ISSN: 0090-1423

NATIONAL LIBRARY of MEDICINE

CUMULATED INDEX MEDICUS

VOLUME 22, 1981

SUBJECT INDEX PI-Sk

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service
National Institutes of Health

NATIONAL LIBRARY OF MEDICINE
8600 Rockville Pike
Bethesda, Maryland 20209

NIH Publication No. 82-259

National Library of Medicine Cataloging in Publication

ZW
1
I384

Cumulated Index medicus.
v. 1- 1960-
Bethesda, Md. [etc.] U. S. Dept. of Health and Human Services, Public Health Service, National Institutes of Health, National Library of Medicine [Washington, for sale by the Supt. of Docs., U. S. Govt. Print. Off., etc.]
v.
Vols. for 1971-78 issued as DHEW publication ; no. (NIH) 72-259, etc.; for 1979- as NIH publication ; no. 80-259, etc.
Annual cumulation of the monthly issues of Index medicus.
Supersedes Quarterly cumulative Index medicus.
Issued 1960-64 by the American Medical Association.
Issues for 1967- include Bibliography of medical reviews.
Key title: Cumulated Index medicus, ISSN 0090-1423.

1. Bibliography of Medicine 2. Medicine - indexes I. American Medical Association. II. National Library of Medicine. III. Title: Bibliography of medical reviews IV. Title: Index medicus V. Series: DHEW publication ; no. (NIH) 72-259, etc. VI. Series: NIH publication ; no. 80-259, etc.

© All or portions of this publication are protected against copying or other reproduction outside of the United States in accordance with the provisions of Article II of the Universal Copyright Convention.

For sale by the Superintendent of Documents, U.S. Government Printing Office
Washington, D.C. 20402

CUMULATED INDEX MEDICUS
CONTENTS

Book 1

PREFACE

INTRODUCTION

ACCESS TO ARTICLES CITED

MEDICAL SUBJECT HEADINGS (Contents) III

Book 2

JOURNALS INDEXED—Abbreviation Listing 879

Full Title Listing 947

BIBLIOGRAPHY OF MEDICAL REVIEWS—

Subject Index 1023

CUMULATED INDEX MEDICUS—

Author Index A-Bs 1343

Book 3	Author Index Bu-Gs
Book 4	Author Index Gu-L
Book 5	Author Index M-R
Book 6	Author Index S-Z
Book 7	Subject Index A-Bli
Book 8	Subject Index Blo-Cu
Book 9	Subject Index Cy-Fo
Book 10	Subject Index Fr-Ins
Book 11	Subject Index Int-Moh
Book 12	Subject Index Mol-Pi
Book 13	Subject Index Pl-Sk
Book 14	Subject Index Sl-Z

al. **Nouv Presse Med** 1981 May 23;10(23):1939 **(Fre)**
[Surgical management of pituitary adenomas with preservation of pituitary function (author's transl)] Wersäll J, et al. **HNO** 1980 Mar;28(3):80–4 (Eng. Abstr.) **(Ger)**
[Pituitary adenomata. Status of diagnosis and therapy (author's transl)] Fahlbusch R, et al. **MMW** 1981 Apr 3; 123(14):549–55 (Eng. Abstr.) **(Ger)**
[A supplementary trans-sphenoidal operation for craniopharyngioma in youth and childhood (author's transl)] Halves E. **Neurochirurgia (Stuttg)** 1980 May;23(3):71–9 (Eng. Abstr.) **(Ger)**
[Remarks on the tactics and technic of transsphenoidal surgery for suprasellar pituitary adenomas] Fusek I. **Zentralbl Neurochir** 1980;41(3):209–14 (Eng. Abstr.) **(Ger)**
[Experience with paraorbital-transethmoidal procedure in pituitary tumors] Goldhahn WE. **Zentralbl Neurochir** 1980; 41(3):177–84 (Eng. Abstr.) **(Ger)**
[Trans-sphenoidal surgery of pituitary adenomas and other forms of pituitary pathology] De Divitiis E, et al. **Acta Neurol (Napoli)** 1981 Feb;36(1):342–53 **(Ita)**
[Trans-sphenoidal surgery of pituitary adenomas and other forms of pituitary pathology] De Divitiis E, et al. **Acta Neurol [Quad] (Napoli)** 1981;42:342–53 (Eng. Abstr.) **(Ita)**
[Vasospasm following removal of a large pituitary adenoma by the subfrontal approach --report of a case and review of the literature (author's transl)] Ono N, et al. **Neurol Med Chir (Tokyo)** 1981 Jun;21(6):609–14 (Eng. Abstr.) **(Jpn)**
[Diabetes insipidus after surgery on craniopharyngiomas (author's transl)] Shibata S, et al. **Neurol Med Chir (Tokyo)** 1981 Jun;21(6):591–4 (Eng. Abstr.) **(Jpn)**
[Rathke's cleft cyst -a case report (author's transl)] Kiya K, et al. **No Shinkei Geka** 1981 Mar;9(4):517–21 (Eng. Abstr.) **(Jpn)**
[A case of craniopharyngioma with hyperprolactinemia in postoperative course (author's transl)] Miwa T, et al. **No Shinkei Geka** 1981 Apr;9(5):559–66 (Eng. Abstr.) **(Jpn)**
[Subdural effusion following radical surgery for chiasmal region tumors in children--report of 4 cases (author's transl)] Mizoi K, et al. **No Shinkei Geka** 1981 Jan; 9(1):99–105 (Eng. Abstr.) **(Jpn)**
[An operated case of giant pituitary adenoma (author's transl)] Takahashi Y, et al. **No Shinkei Geka** 1980 Jul; 8(7):655–8 (Eng. Abstr.) **(Jpn)**
[Rhinoseptoplastic transsphenoidal microsurgery in the treatment of functioning pituitary adenomas: Results of 100 consecutive cases (author's transl)] Fukushima T, et al. **No To Shinkei** 1981 May;33(5):461–7 **(Jpn)**
[Surgical treatment of functioning adenoma--evaluation of the results of Hardy method (sublabial rhinoseptal transsphenoidal approach) in cases of functioning adenomas (author's transl)] Kageyama N, et al. **No To Shinkei** 1981 May;33(5):469–78 **(Jpn)**
[Changes in cerebral and peripheral plethysmograms in the early postoperative period of patients with supratentorial tumors] Dukhin AL, et al. **Zh Vopr Neirokhir** 1980 May-Jun;(3):32–7 (Eng. Abstr.) **(Rus)**
[Diagnosis and surgical treatment of pituitary chromophobe adenomas of the 'embryonal' type] Patsko IaV. **Zh Vopr Neirokhir** 1980 May-Jun;(3):52–8 (Eng. Abstr.) **(Rus)**
[Cortical potentials evoked by photic and acoustic stimuli in patients before and after surgery] Shchekut'ev GA. **Zh Vyssh Nerv Deiat** 1980 May-Jun;30(3):606–8 **(Rus)**
[Pancreatitis induced by steroids. Apropos of a case and review of the literature] Alvarez-Cienfuegos Suárez J, et al. **Rev Clin Esp** 1980 Jul 15-31;158(1-2):81–2 **(Spa)**
[Transphenoidal surgery for Cushing's disease (author's transl)] Michaud P, et al. **Rev Med Chil** 1981 Jan; 109(1):32–5 (Eng. Abstr.) **(Spa)**

THERAPY

Dilemmas in the management of functioning pituitary tumours. McGregor AM, et al. **Br J Hosp Med** 1981 Apr; 25(4):344–7, 349, 351–2 (55 ref.)
Additional antitumoral effects of bromocriptine and radiotherapy in patients with prolactinomas or acromegaly. Coculescu M, et al. **Endocrinologie** 1980 Oct-Dec; 18(4):277–88
Prolactin and placental hormone levels during pregnancy in prolactinomas. Batrinos ML, et al. **Int J Fertil** 1981; 26(2):77–85
Craniopharyngiomas: a critical approach to treatment. Cabezudo JM, et al. **J Neurosurg** 1981 Sep;55(3):371–5
Current treatment of pituitary adenomas: a review. Elkon D. **Va Med** 1980 Sep;107(9):627–9
Therapy for acromegaly, Cushing disease and Nelson syndrome [editorial] Nelson DH. **West J Med** 1980 Sep; 133(3):244–5

ULTRASTRUCTURE

Morphological characterization of the plasma membrane of a pituitary tumor cell line (GH3). Speth V. **Acta Histochem [Suppl] (Jena)** 1981;23:173–80
Correlative ultrastructural morphometry of human prolactin-producing adenomas. McComb DJ, et al. **Acta Neurochir (Wien)** 1980;53(3-4):217–25
Immunohistochemical and electron-microscopic studies of functional and non-functional pituitary adenomas including one TSH secreting tumor in a thyrotoxic patient. Cravioto H, et al. **Acta Neuropathol (Berl)** 1981;53(4):281–92
Early morphological changes following gamma irradiation. A comparison of human pituitary tumours and human acoustic neurinomas (schwannomas). Anniko M. **Acta Pathol Microbiol Scand [A]** 1981 Mar;89(2):113–24
Five different adenomas derived from the rat adenohypophysis: immunocytochemical and ultrastructural study. McComb DJ, et al. **JNCI** 1981 Jun;66(6):1103–11
Morphofunctional studies in bromocriptine-treated prolactinomas. Larraza O, et al. **Rev Invest Clin** 1980 Apr-Jun;32(2):165–71
Ultrastructure, immunohistochemistry and hormone release of pituitary adenomas in relation to prolactin production. Kameya T, et al. **Virchows Arch [Pathol Anat]** 1980; 387(1):31–46
Null cell adenoma of the human pituitary. Kovacs K, et al. **Virchows Arch [Pathol Anat]** 1980;387(2):165–74
[A study of ultrastructure of pituitary adenomas--a preliminary report of 10 cases examined with light and electron microscope (author's transl)] Guo YP, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1980 Jun; 2(2):107–11 (Eng. Abstr.) **(Chi)**
[Plasmacytoma with pituitary localization. Report of a case] Vallat M, et al. **Bull Soc Ophtalmol Fr** 1981 Mar; 81(3):355–6 (Eng. Abstr.) **(Fre)**

VETERINARY

Pituitary tumorigenesis in aging female C57BL/6J mice: a light and electron microscopic study. Schechter JE, et al. **Anat Rec** 1981 Mar;199(3):423–32
Cytological study on pituitary adenomas in senile untreated beagle bitches. Attia MA. **Arch Toxicol** 1980 Dec; 46(3-4):287–93
Ultrastructure of spontaneous pituitary neoplasms in the rat. Majeed SK, et al. **J Comp Pathol** 1980 Apr;90(2):239–46
Acidophil adenoma in the pituitary gland of a sheep. Olson DP, et al. **Vet Pathol** 1981 Jan;18(1):132–5

PITUITRIN see under **PITUITARY HORMONES, POSTERIOR**

PITYRIASIS

COMPLICATIONS

Lymphoma-associated papulosis: lymphomatoid papulosis associated with lymphoma. Scheen SR 3d, et al. **J Am Acad Dermatol** 1981 Apr;4(4):451–7
[Idiopathic eruptive macular pigmentation following pityriasis rosea. Presentation of two cases (author's transl)] Dupré A, et al. **Ann Dermatol Venereol** 1980 May; 107(5):413–7 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Pityriasis rosea. Viral complement fixation studies. Hudson LD, et al. **J Am Acad Dermatol** 1981 May;4(5):544–6
[Dermatology: a young person with a medallion] Panaccio F. **Union Med Can** 1981 Jan;110(1):76–7 **(Fre)**

DRUG THERAPY

[Pityriasis simplex of the scalp] Wirth H. **Ther Umsch** 1980 Jul;37(7):555–8 (Eng. Abstr.) **(Ger)**
[Treatment of pityriasis alba with a combination of coal tar, diiodohydroxyquinolin and hydrocortisone] González Ochoa A, et al. **Med Cutan Iber Lat Am** 1980;8(1-3):69–72 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Is pityriasis rosea an infectious disease? [letter] McPherson A, et al. **Lancet** 1980 Nov 15;2(8203):1077

IMMUNOLOGY

Pityriasis lichenoides, an immune complex disease? Faber WR, et al. **Acta Derm Venereol (Stockh)** 1980;60(3):259–61
Immunofluorescence findings in pityriasis lichenoides [letter] Nieboer C, et al. **Br J Dermatol** 1980 Jul;103(1):120–1
[In vitro blastogenic response of lymphocytes in pityriasis capitis and dermatitis seborrheica (using PHA-mitogen, Pityrosporum ovale and bacteria)] Vignale RA, et al. **Med Cutan Iber Lat Am** 1981;9(1):41–4 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Virus-like particles in the herald patch of pityriasis rosea [letter] Aoshima T, et al. **Dermatologica** 1981;162(1):64–5

OCCURRENCE

Pityriasis rosea in Nigerians. Jacyk WK. **Int J Dermatol** 1980 Sep;19(7):397–9

PATHOLOGY

'Classical' lymphomatoid papulosis. A variant of pityriasis lichenoides. Black MM. **Am J Dermatopathol** 1981 Summer; 3(2):175–6
Lymphomatoid papulosis [letter] Macauley WL. **Am J Dermatopathol** 1980 Spring;2(1):93–4

THERAPY

[Treatment of pityriasis sicca of the scalp] Braun-Falco O. **Hautarzt** 1980 Dec;31(12):678 **(Ger)**

TRANSMISSION

Is pityriasis rosea infectious? [letter] Bosc F. **Lancet** 1981 Mar 21;1(8221):662

PITYRIASIS RUBRA PILARIS

BLOOD

Pityriasis rubra pilaris and and retinol-binding protein. Finzi AF, et al. **Br J Dermatol** 1981 Mar;104(3):253–6

DRUG THERAPY

Treatment of pityriasis rubra pilaris with an oral aromatic retinoid (RO 10--9359). Lauharanta J, et al. **Acta Derm Venereol (Stockh)** 1980;60(5):461–2
Aminonicotinamide in pityriasis rubra pilaris [letter] Griffiths A, et al. **Arch Dermatol** 1981 Mar;117(3):127
Pityriasis rubra pilaris controlled by synergism of vitamins A and E [letter] Ayres S Jr. **J Am Acad Dermatol** 1981 Sep;5(3):350–1
The effect of 13-cis retinoic acid on epidermal lysosomal hydrolase activity in Darier's disease and pityriasis rubra pilaris. Farb RM, et al. **J Invest Dermatol** 1980 Aug; 75(2):133–5

PATHOLOGY

Pityriasis rubra pilaris: epidermal cell kinetics. Ralfs IG, et al. **Br J Dermatol** 1981 Mar;104(3):249–52

PITYRIASIS VERSICOLOR see **TINEA VERSICOLOR**

PITYROSPORUM see **MALASSEZIA**

PIVAMPICILLIN see under **AMPICILLIN**

PIVMECILLINAM see under **PENICILLANIC ACIDS**

PIZOTYLINE see under **THIOPHENES**

PL93-641 see **HEALTH PLANNING**

PLACEBOS

The balanced placebo design: methodological considerations. Rohsenow DJ, et al. **Addict Behav** 1981;6(2):107–22
The effect of placebo and 'aggro' on the weal and flare response to histamine. Cook LJ, et al. **Br J Dermatol** 1981 Jan;104(1):27–9
Placebos in clinical trials of duodenal ulcer: the end of an era? Peterson WL, et al. **Gastroenterology** 1980 Sep; 79(3):585–8
When is a placebo not a placebo in research on the effectiveness of treatment with pollen extracts? [editorial] Abramson HA. **J Asthma Res** 1980 Jan;17(2):vi
Statistics for clinicians. 6. Comparing two samples (the two-sample t test). O'Brien PC, et al. **Mayo Clin Proc** 1981 Jun;56(6):393–4
The placebo and its role in clinical pharmacology. McGillion FB. **Methods Find Exp Clin Pharmacol** 1979 Jun; 1(2):115–20
Patients, pills, and professionals: the ethics of placebo therapy. Phillips WR. **Pharos** 1981 Winter;44(1):21–5

PHARMACODYNAMICS

Motivational factors in placebo responsivity. Gibbons FX, et al. **Psychopharmacol Bull** 1981 Apr;17(2):77–9
Physiological substrates of placebo analgesia. Gordon NC, et al. **Psychopharmacol Bull** 1981 Apr;17(2):76–7

THERAPEUTIC USE

Cimetidine vs. placebo in prepyloric gastric ulcer therapy. Six week controlled double blind investigation without any antacid therapy. Collen M, et al. **Acta Gastroenterol Latinoam** 1980;10(3):199–202
Cimetidine vs placebo: complete gastric ulcer pain relief. Six week controlled double blind study without any antacid therapy. Collen MJ, et al. **Acta Gastroenterol Latinoam** 1980;10(4):291–5
Biology of placebo analgesia [editorial] Fields HL, et al. **Am J Med** 1981 Apr;70(4):745–6
Placebo response: myth and matter. Perry SW, et al. **Am J Nurs** 1981 Apr;81(4):720–5
Naproxen sodium, aspirin, and placebo in primary dysmenorrhea. Reduction of pain and blood levels of prostaglandin F2-alpha metabolite. Rosenwaks Z, et al. **Am J Obstet Gynecol** 1981 Jul 1;140(5):592–8
Isoproterenol challenge during placebo and oral theophylline therapy in chronic obstructive pulmonary disease. Dull WL, et al. **Am Rev Respir Dis** 1981 Mar;123(3):340–2
The placebo concept. Grünbaum A. **Behav Res Ther** 1981; 19(2):157–67
Cancer and placebos [editorial] Cousins N. **CA** 1981 Mar-Apr;31(2):126–8
Comparison of ketotifen, disodium cromoglycate and placebo in the treatment of adult patients with mild extrinsic asthma. Mattson K, et al. **Clin Allergy** 1981 May;11(3):237–42

Verapamil versus placebo in atrial fibrillation and atrial flutter. Aronow WS, et al. **Clin Invest Med** 1980; 3(1–2):35–9

Cimetidine vs placebo in duodenal ulcer therapy. Six-week controlled double-blind investigation without any antacid therapy. Collen MJ, et al. **Dig Dis Sci** 1980 Oct; 25(10):744–9

Assessment of analgesics in dental surgery outpatients. von Graffenried B, et al. **Eur J Clin Pharmacol** 1980 Nov; 18(6):479–82

Symptom relief and the placebo effect in the trial of an anti-peptic drug. MacDonald AJ, et al. **Gut** 1981 Apr; 22(4):323–6

Influence of hospitalization and placebo therapy on blood pressure and sympathetic function in essential hypertension. Hossmann V, et al. **Hypertension** 1981 Jan–Feb;3(1):113–8

The reliability and validity of a placebo test. Shapiro AK, et al. **J Psychiatr Res** 1979;15(4):253–90

Principal and differential effects of haoperidol and placebo treatments upon speech disfluencies in stutterers. Prins D, et al. **J Speech Hear Res** 1980 Sep;23(3):614–29

Human preference comparison of pentobarbital, diazepam, and placebo. Griffiths RR, et al.
Natl Inst Drug Abuse Res Monogr Ser 1980;(34):220–5

The negative placebo response. Havener WH.
Ohio State Med J 1981 Feb;77(2):106–8

Nonspecific factors in drug effects: placebo personality. Buckalew LW, et al. **Psychol Rep** 1981 Feb;48(1):3–8

The placebo response in pain control. Evans FJ.
Psychopharmacol Bull 1981 Apr;17(2):72–o

[The placebo problem] Begemann H. **Med Klin** 1980 Nov 7;75(23):801 **(Ger)**

[Evaluation of pharmacological and placebo effects in long term treatment of chronic cerebrovascular diseases] Martucci N, et al. **Clin Ter** 1980 Feb 15;92(3):279–96 (Eng. Abstr.) **(Ita)**

PLACENTA

see related

MATERNAL–FETAL EXCHANGE

Porencephalic cysts as a result of placental damage at amniocentesis [letter] Schinzel A. **Arch Dis Child** 1981 May; 56(5):405

Does a low-molecular extract of human placenta support ossification? Ackermann G. **Arch Orthop Trauma Surg** 1980;97(4):281–3

Diagnosis and placental management of a viable term abdominal gestation. Petrie RH, et al.
Diagn Gynecol Obstet 1980 Winter;2(4):299–301

Implanted placental tissue simulating uterine fibroids ('inverted placental polyp'). Waxman M, et al.
Diagn Gynecol Obstet 1980 Winter;2(4):287–9

Ultrasonographic placental localization with respect to fetal position in utero. Hoogland HJ, et al.
Eur J Obstet Gynaecol Reprod Biol 1980 Sep;11(1):9–15

Ultrasonographic study of the placenta in vitro. Iwamoto VM, et al. **Gynecol Obstet Invest** 1980;11(5):265–73

Nutrition deprivation: effects on feto-placental unit and fetal brain. Agarwal KN. **Indian J Pediatr** 1980 Jan–Feb; 47(384):19–26

Placental localization by liquid crystal thermography. Liu DT, et al. **Int J Gynaecol Obstet** 1980 May–Jun;17(6):617–9

Volumetric determination of placental and uterine growth relationships from B-mode ultrasound by serial area–volume determinations. Jones TB, et al.
Invest Radiol 1981 Mar–Apr;16(2):101–6

Brief clinical and laboratory observations. Vitamin E in placental blood and its interrelationship to maternal and newborn levels of vitamin E. Martinez FE, et al.
J Pediatr 1981 Aug;99(2):298–300

Analysis of placental structures by ultrasound in normal and complicated pregnancies. Kozlowski P, et al.
J Perinat Med 1981;9 Suppl 1:138–9

Ultrasonography of the placenta. Vandenberghe K.
J Perinat Med 1981;9 Suppl 1:75–7

Effects of placentophagy on serum prolactin and progesterone concentrations in rats after parturition or superovulation. Blank MS, et al. **J Reprod Fertil** 1980 Nov; 60(2):273–8

Sequential changes in placental blood gases and pH during the hour following delivery. Hilger JS, et al.
J Reprod Med 1981 Jun;26(6):305–7

Placentophagia: a biobehavioral enigma (or De gustibus non disputandum est). Kristal MB. **Neurosci Biobehav Rev** 1980 Summer;4(2):141–50 (78 ref.)

Chorioangioma of the placenta: report of 2 cases with ultrasound study in 1. Dao AH, et al. **Obstet Gynecol** 1981 Jun;57(6 Suppl):46S–9S

Placentography: an accurate and simple technique by means of ultrasound. Robertson-Dunn D, et al. **Radiography** 1979 Sep;45(537):187–90

[Choriocarcinoma in mother and child (author's transl)] Kalifa C, et al. **Arch Fr Pediatr** 1981 May;38(5):351–2 (Eng. Abstr.) **(Fre)**

[Premature placental detachment in concomitance with incomplete uterus rupture caused by road accident (author's transl)] Dieminger HJ, et al.
Zentralbl Gynaekol 1980;102(24):1453–7 **(Ger)**

[Evolution of placental morphology using ultrasonics] D'Elia A, et al. **Arch Ostet Ginecol** 1980 Jan–Apr;85(1–2):21–7 **(Ita)**

[Prenatal diagnosis. Indications and risks of early amniocentesis by placental puncture and fetoscopy] Massobrio M, et al. **Minerva Ginecol** 1980 Jun;32(6):527–38 **(Ita)**

[Content of blood group A and B factors in sera of placental and abortive blood, their fractions at different stages of alcoholic fractionation and in immunoglobulin preparations] Volevach EV, et al.
Zh Mikrobiol Epidemiol Immunobiol 1980 Oct;(10):63–7 (Eng. Abstr.) **(Rus)**

ANALYSIS

Characterization of placental luteinizing hormone-releasing factor-like material. Lee JN, et al.
Acta Endocrinol (Copenh) 1981 Mar;96(3):394–7

Large molecular species of chorionic gonadotrophin from human placental tissues: biosynthesis and physico-chemical properties. Maruo T, et al. **Acta Endocrinol (Copenh)** 1980 Jun;94(2):259–67

A study of angiotensin II binding sites in human placenta, chorion, and amnion. Cooke SF, et al.
Am J Obstet Gynecol 1981 Jul 15;140(6):689–92

Comparison of mercury levels in maternal blood, fetal cord blood, and placental tissues. Kuhnert PM, et al.
Am J Obstet Gynecol 1981 Jan 15;139(2):209–13

Evidence for an androgen receptor in the human placenta. McCormick PD, et al. **Am J Obstet Gynecol** 1981 May 1;140(1):8–13

Changes in glycosaminoglycan composition of normal human placentas with maturation. Wasserman L, et al.
Am J Obstet Gynecol 1980 Dec 1;138(7 Pt 1):763–8

Glycosaminoglycan patterns in diabetic and toxemic term placentas. Wasserman L, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 1):769–73

Organochlorine pesticide concentrations in perinatal samples from mothers and babies. Eckenhausen FW, et al.
Arch Environ Health 1981 Mar–Apr;36(2):81–92

Immunohistochemical location of placental proteins (PP8, 9, 10, 11, 12) in human term placentae. Inaba N, et al.
Arch Gynecol 1980;230(2):109–21

Immunohistochemical location of proteins related to pregnancy-specific beta 1-glycoprotein (SP1) and placental tissue proteins (PP5, PP8, PP9, PP10, PP11, PP12) in the afterbirth of Cynomolgus monkeys (Macaca fascicularis). Inaba N, et al. **Arch Gynecol** 1981;230(3):195–204

Characterization of a unique collagenous fraction from limited pepsin digests of human placental tissue: molecular organization of the native aggregate. Furuto DK, et al.
Biochemistry 1981 Mar 17;20(6):1635–40

Enrichment of selected active human gene sequences in the placental deoxyribonucleic acid fraction associated with tightly bound nonhistone chromosomal proteins. Norman GL, et al. **Biochemistry** 1981 Jun 9;20(12):3568–78

Granulocyte and macrophage colony-stimulating factor from human placenta conditioned medium. Wu MC, et al.
Biochemistry 1980 Aug 5;19(16):3846–50

The purification and identification of calmodulin from human placenta. Umeki S, et al. **Biochim Biophys Acta** 1981 May 18;674(3):319–26

Placental and stillbirth tissue lead concentrations in occupationally exposed women. Khera AK, et al.
Br J Ind Med 1980 Nov;37(4):394–6

Prostaglandin E and F concentrations in placentae of normal, hypertensive and pre-eclamptic patients. Hillier K, et al.
Br J Obstet Gynaecol 1981 Mar;88(3):274–7

Biochemical parameters of the placenta: an epidemiological review. Pereira M, et al. **Early Hum Dev** 1981 Jul; 5(3):317–50 (42 ref.)

A cysteine-rich collagenous protein from bovine placenta. Isolation of its constituent polypeptide chains and some properties of the non-denatured protein. Jander R, et al.
Eur J Biochem 1981;114(1):17–25

The similarity of chorionic gonadotrophin and its subunits in term placentae from man, apes, old and New World monkeys and a prosimian. Hobson BM, et al.
Folia Primatol (Basel) 1981;35(1):51–64

Organo chlorine pesticides in human placenta and accompanying fluid. Saxena MC, et al.
Int J Environ Anal Chem 1980;7(3):245–51

The role of lysine-41 of ribonuclease A in the interaction with RNase inhibitor from human placenta. Blackburn P, et al. **J Biol Chem** 1980 Nov 25;255(22):10959–65

Purification and immunohistochemical localization of relaxin in the human term placenta. Fields PA, et al.
J Clin Endocrinol Metab 1981 Jan;52(1):79–85

Relaxin purification from human placental basal plates. Yamamoto S, et al. **J Clin Endocrinol Metab** 1981 Apr; 52(4):601–4

Localization of ovine placental lactogen in sheep placentomes by electron microscope immunocytochemistry. Wooding FB. **J Reprod Fertil** 1981 May;62(1):15–9

Quantitation of progesterone and 20 alpha-dihydroprogesterone in human placenta and fetal membranes. Laatikainen T, et al. **J Steroid Biochem** 1981 Jun;14(6):519–22

Detection of macaque chorionic gonadotropin in the placenta of the cynomolgus monkey (Macaca Fascicularis). Fujiwara T, et al. **Jpn J Med Sci Biol** 1980 Dec; 33(6):303–10

The demonstration of two pregnancy-associated proteins with SP1 determinants in placental extracts. Ahmed AM, et al. **Placenta** 1981 Jan–Mar;2(1):45–51

Isolation of a transferrin receptor structure from sodium deoxycholate-solubilized human placental syncytiotrophoblast plasma membrane. Brown PJ, et al.
Placenta 1981 Jan–Mar;2(1):1–10

Control of RNA content of developing human placenta. Kusamran T, et al. **Placenta** 1980 Apr–Jun;1(2):157–67

Recognition of chemical carcinogen-modified DNA by a DNA-binding protein. Moranelli F, et al.
Proc Natl Acad Sci USA 1980 Jun;77(6):3201–5

Human placentas contain a specific inhibitor of RNA-directed DNA polymerase. Nelson JA, et al.
Proc Natl Acad Sci USA 1981 Mar;78(3):1670–4

Effect of gestational age on the biochemical composition of porcine placental glycosaminoglycans. Steele VS, et al.
Proc Soc Exp Biol Med 1980 Dec;165(3):480–5

Investigations on the PGF2a concentration in maternal and foetal cotyledons of cows with and without retained foetal membranes. Leidl W, et al. **Zentralbl Veterinaermed [A]** 1980;27(9–10):691–6

[Bacteriological peptone obtained from residues of human placenta (author's transl)] Boucaud-Maitre Y, et al.
Ann Pharm Fr 1981 May;39(1):65–76 (Eng. Abstr.) **(Fre)**

[Histological study of chorion frondosum sections for prenatal sex determination in the 1st pregnancy trimester] Kirpátovszkájá NA, et al. **Orv Hetil** 1980 Dec 14; 121(50):3057–9 **(Hun)**

[Relation between maternal fibrinogen and placental fibrin in normal pregnancy at term] Fantoni A, et al.
Arch Sci Med (Torino) 1981 Apr–Jun;138(2):201–2 **(Ita)**

[Preliminary histochemical observations on immature placental villi] Laureti E. **Boll Soc Ital Biol Sper** 1981 Jan 30;57(2):152–8 (Eng. Abstr.) **(Ita)**

[Effect of oxytocin administration on prostaglandin concentrations in uterine and placental tissues of pregnant rabbit (author's transl)] Nagata I, et al.
Acta Obstet Gynaecol Jpn 1981 Apr;33(4):455–60 (Eng. Abstr.) **(Jpn)**

[An immunohistochemical study of HCG and HPL on functional differentiation of human chorionic villi (author's transl)] Hayashi M.
Nippon Sanka Fujinka Gakkai Zasshi 1980 Jan;32(1):94–102 (Eng. Abstr.) **(Jpn)**

[Studies on glutathione of human placenta (author's transl)] Oyake M. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Jan; 33(1):97–106 (Eng. Abstr.) **(Jpn)**

[Behavior of the number of lysosomes in the placenta of pregnant rats subjected to acute stress and previously treated with 1-isopropylamino-3-(1-naphthyloxy)-2-propanol hydrochloride] Kulay MN, et al. **Rev Paul Med** 1980 Nov–Dec;96(5–6):96–9 (Eng. Abstr.) **(Por)**

[Content of sulfhydryl groups in the maternal-fetal system during pregnancy and labor] Grigorian DZ, et al.
Akush Ginekol (Mosk) 1980 Aug;(8):19–20 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Structure and morphogenesis of the uterus, placenta, and paraplacental organs of the neotropical disc-winged bat Thyroptera tricolor spix (Microchiroptera: Thyropteridae). Wimsatt WA, et al. **Am J Anat** 1980 Oct;159(2):209–43

Placental size during early pregnancy and fetal outcome: a preliminary report of a sequential ultrasonographic study. Hoogland HJ, et al. **Am J Obstet Gynecol** 1980 Oct 15; 138(4):441–3

The relationships between maternal HbA1, maternal size and fetoplacental size in Indian pregnancies. Forbat LN, et al.
Early Hum Dev 1981 Jul;5(3):253–65

Sequence of implantation and fetal and placental weights in the rat. Herbert K, et al. **J Reprod Fertil** 1980 Sep; 60(1):29–32

Correlation between the placental and fetal body weight and size of the rat fetuses affected by intra-uterine administration of neuromuscular blocking agents. Shoro AA. **Methods Find Exp Clin Pharmacol** 1981 May–Jun; 3(3):149–54

Recording placental size. Nichols VR, et al. **NZ Med J** 1980 Jul 9;92(663):8–9

Quantitative structural differences within the normal term human placenta: a pilot study. Boyd PA, et al.
Placenta 1980 Oct–Dec;1(4):337–44

Review article: trophoblast invasion and the establishment of haemochorial placentation in man and laboratory animals. Pijnenborg R, et al. **Placenta** 1981 Jan–Mar; 2(1):71–91 (83 ref.)

Effects of placental weight and maternal nutrition on the growth rates of individual fetuses in single and twin bearing ewes during late pregnancy. Mellor DJ, et al.
Res Vet Sci 1981 Mar;30(2):198–204

[A study of the weight of the placenta in normal and pathological pregnancies (author's transl)] Sénécal J, et al.
J Gynecol Obstet Biol Reprod (Paris) 1980;9(5):531–6 (Eng. Abstr.) **(Fre)**

[Size of uteroplacental adhesive area and weight of placenta compared with weight of newborn (author's transl)] Emmrich P, et al. **Z Geburtshilfe Perinatol** 1981 Jun; 185(3):161–4 (Eng. Abstr.) **(Ger)**

[Morphometric studies in placental villi of mature human placentas (author's transl)] Noack EJ, et al.
Z Geburtshilfe Perinatol 1981 Jun;185(3):155–60 (Eng. Abstr.) **(Ger)**

[Examination of placenta by light and electron microscope

in a woman patient with renal transplant (author's transl)] Wang T, et al. **Z Geburtshilfe Perinatol** 1980 Apr; 184(2):162–5 (Eng. Abstr.) **(Ger)**

[Histofluoroscopic aspects of the placenta in prolonged pregnancy] Allocca G, et al. **Arch Ostet Ginecol** 1979 Mar–Jul;84(3–4):133–49 (Eng. Abstr.) **(Ita)**

[Studies on the clinical significance of the placental implantation site and the change of placental volume by uterine contraction (author's transl)] Hirano K. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Jul;32(7):936–44 (Eng. Abstr.) **(Jpn)**

[Ultrasonographic picture of early pregnancy with particular reference to the localization of placenta] Etienne J, et al. **Ginekol Pol** 1980 Jun;51(6):499–504 (Eng. Abstr.) **(Pol)**

[2 Doppler methods of placenta localization – comparison with the ultrasonic picture] Kretowicz J, et al. **Ginekol Pol** 1981;52(4):325–31 (Eng. Abstr.) **(Pol)**

[Influence of the site of insertion of the placenta on the duration of pregnancy] Florido J, et al. **Acta Obstet Ginecol Hisp Lusit** 1980 May;28(5):329–37 **(Spa)**

BLOOD SUPPLY

Adrenergic and cholinergic responses in the uteroplacental vascular bed of the guinea pig. Egund N, et al. **Acta Radiol [Diagn] (Stockh)** 1980;21(3):389–96

An approach to detection of placental separation and expulsion with new clinical signs: a study based on hemodynamic method and ultrasonography. Akiyama H, et al. **Am J Obstet Gynecol** 1981 Jul 1;140(5):505–11

Fetal metabolic response to experimental placental vascular damage. Clapp JF 3d, et al. **Am J Obstet Gynecol** 1981 Jun 15;140(4):446–51

Fatty acid metabolism in human fetal placental vasculature. Tulenko TN, et al. **Am J Physiol** 1981 Jan;240(1):E65–71

Fetal growth retardation and the maternal arterial supply of the human placenta in the absence of sustained hypertension. De Wolf F, et al. **Br J Obstet Gynaecol** 1980 Aug;87(8):678–85

An ultrastructural study of utero-placental spiral arteries in hypertensive and normotensive pregnancy and fetal growth retardation. Sheppard BL, et al. **Br J Obstet Gynaecol** 1981 Jul;88(7):695–705

Effect of terbutaline on the human fetal placental circulation. Soares de Moura RS. **Br J Obstet Gynaecol** 1981 Jul; 88(7):730–3

Epidural analgesia and placental blood flow during labour in pregnancies complicated by hypertension [letter] Van Der Spek AF, et al. **Br J Obstet Gynaecol** 1980 Jul; 87(7):640

Immunofluorescent studies of the uteroplacental arteries in normal pregnancy. Weir PE. **Br J Obstet Gynaecol** 1981 Mar;88(3):301–7

Lecithin Content of amniotic fluid in twin pregnancies with and without long-term tocolytic therapy. Goeschen K, et al. **Gynecol Obstet Invest** 1980;11(5):301–6

The acute effect of smoking on uteroplacental blood flow in normotensive and hypertensive pregnancy. Lehtovirta P, et al. **Int J Gynaecol Obstet** 1980;18(3):208–11

The regulation of the placental blood flows. Rankin JH, et al. **J Dev Physiol** 1979 Feb;1(1):3–30 (121 ref.)

Effect of prostaglandin I2 on ovine placental vasculature. Rankin JH, et al. **J Dev Physiol** 1979 Apr;1(2):151–60

Vascular response of the fetal placenta to local occlusion of the maternal placental vasculature. Stock MK, et al. **J Dev Physiol** 1980 Oct;2(5):339–46

Effects of food restriction on cardiac ouput and blood flow to the uterus and placenta in the pregnant rat. Rosso P, et al. **J Nutr** 1980 Dec;110(12):2350–4

Placental blood flow and epidural analgesia during labour in hypertensive pregnancies. Jouppila R, et al. **J Perinat Med** 1981;9 Suppl 1:164–5

Feto-maternal histoincompatibility and placental blood flow. Auerbach R, et al. **J Physiol (Lond)** 1980 Oct;307:465–74

Placental blood flow and transfer of nutrient analogs in large, average, and small guinea pig littermates. Saintonge J, et al. **Pediatr Res** 1981 Feb;15(2):152–6

Vascular etiology of disruptive structural defects in monozygotic twins. Hoyme HE, et al. **Pediatrics** 1981 Feb; 67(2):288–91

Studies of a single placental cotyledon in vitro: II. The intravascular volume. Drury L, et al. **Placenta** 1981 Apr–Jun;2(2):155–60

Studies of a single placental cotyledon in vitro: III. The dimensions of the villous capillaries. Penfold P, et al. **Placenta** 1981 Apr–Jun;2(2):161–8

Spontaneous contractility of human placental vessels in vitro axipetal and isometric recording. Gonzalez Panizza VH, et al. **Reproduccion** 1980 Oct–Dec;4(4):335–9

Traumatic laceration of the placenta. Ravangard F, et al. **W Va Med J** 1980 Jun;76(6):125–9

[Changes in the amount of blood in the uterus and placenta of rats in prolonged pregnancy] Katsulov A, et al. **Eksp Med Morfol** 1981;20(1):46–50 (Eng. Abstr.) **(Bul)**

[The action of prostaglandin E2 (PGE2) upon the placental blood–vessels in vitro (author's transl)] Jungmannová C, et al. **Cesk Gynekol** 1980 Jul;45(6):309–3 (Eng. Abstr.) **(Cze)**

[The reactivity of placental blood–vessels to prostaglandin F2 alpha (PGF2 alpha) in hypotrophic foetuses in vitro (author's transl)] Jungmannová C, et al. **Cesk Gynekol** 1980 Jul;45(6):394–7 (Eng. Abstr.) **(Cze)**

[Modifications of vascular reactivity. 1. Structural alterations of the utero–placental arteries] Foidart JM, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(1):48–9 **(Fre)**

[Factors contributing to the etiology of hypertension in pregnancy. 3. Placental and renal vascularization with reference to humoral factors or local hormones] Fournie A, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980; 9(1):45–7 **(Fre)**

[Injection of placental blood vessels: technique and the preliminary results (author's transl)] Sénécal J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(4):435–8 (Eng. Abstr.) **(Fre)**

[Improvement of utero–placental perfusion by transcutaneous nerve stimulation (author's transl)] Kubista E, et al. **Wien Med Wochenschr** 1980 Sep 30;130(18):595–7 (Eng. Abstr.) **(Ger)**

[Study of the utero–placental perfusion by means of a circulation model (author's transl)] Leodolter S, et al. **Wien Med Wochenschr** 1980 Sep 30;130(18):598–601 (Eng. Abstr.) **(Ger)**

[Morphology and distribution of venous openings in the human placenta] Göldner HJ. **Z Mikrosk Anat Forsch** 1980; 94(1):33–59 (Eng. Abstr.) **(Ger)**

[Modified measurement of placental blood flow at I Gynaecological Hospital of Vienna University (author's transl)] Philipp K. **Zentralbl Gynaekol** 1980;102(2):65–70 (Eng. Abstr.) **(Ger)**

[Adjuvant anticoagulant therapy in repeated fetal loss] Langer R, et al. **Harefuah** 1980 Aug;99(3–4):65–7 (Eng. Abstr.) **(Heb)**

[The effect of maternal hemodynamic changes on the fetal–placental unit (author's transl)] Murata Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Sep; 32(9):1214–22 **(Jpn)**

[Effect of dolantin and serotonin on the degree of perfusion tension in gestotic placenta] Zrubek H, et al. **Ginekol Pol** 1980 Dec;51(12):1079–85 (Eng. Abstr.) **(Pol)**

[Protein synthesis in different rabbit embryo tissues in the presence of utero–placental ischemia] Zhakhova ZN, et al. **Biull Eksp Biol Med** 1980 Nov;90(11):605–7 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Cytologic findings in postpartum and postabortal smears. Kobayashi TK, et al. **Acta Cytol (Baltimore)** 1980 Jul–Aug; 24(4):328–34

Further evidence for syncytiotrophoblastic localization of beta 1–SP1–glycoprotein. Guaschino S, et al. **Basic Appl Histochem** 1980;24(3):209–12

Cell kinetic analysis of induced choriocarcinoma in rats. Ito H, et al. **Cell Mol Biol** 1980;26(3):319–26

Human placental conditioned medium (from different phase of pregnancy) as a source of colony–stimulating activity for cultures of human and mouse. granulocyte–macrophage colony–forming cells in semisolid agar. Cinátl J, et al. **Folia Biol (Praha)** 1981;27(3):186–93

The use of monoclonal antibodies against human chorionic gonadotropin for immunoperoxidase staining of normal placenta, pituitary gland, and pituitary adenomas. Wahlström T, et al. **J Histochem Cytochem** 1981 Jul; 29(7):864–5

Immunofluorescent localization of placental lactogen, chorionic gonadotrophin and its alpha and beta subunits in organ cultures of human placenta. Gaspard UJ, et al. **Placenta** 1980 Apr–Jun;1(2):135–44

Mononuclear phagocytes in the human placenta. Wood GW. **Placenta** 1980 Apr–Jun;1(2):113–23

Immunohistological identification of macrophages in murine placentae, yolk–sac membranes and pregnant uteri. Wood GW. **Placenta** 1980 Oct–Dec;1(4):309–17

DRUG EFFECTS

Persistence of progesterone secretion after foetal death induced by vasopressin in rabbits. Wilks JW. **Acta Endocrinol (Copenh)** 1981 Aug;97(4):569–72

Effect of adrenergic agonists on progesterone production by human placental cells in culture. Caritis SN, et al. **Am J Obstet Gynecol** 1980 Nov 15;138(6):677–80

Suppression of human chorionic gonadotropin by progestational steroids. Wilson EA, et al. **Am J Obstet Gynecol** 1980 Nov 15;138(6):708–13

Do oestrogens regulate placental growth in the mouse? Miller BG. **Aust J Biol Sci** 1980 Jun;33(3):341–7

Placental changes due to administration of diethylstilbestrol (DES). Scott JN, et al. **Virchows Arch [Cell Pathol]** 1980; 34(3):261–7

[The effect of prednisolone and ACTH on the in vitro metabolism of human placenta from early pregnancy (author's transl)] Nagy P, et al. **Z Geburtshife Perinatol** 1981 Jun;185(3):165–7 (Eng. Abstr.) **(Ger)**

[Effects of immunosuppressive drugs on the fetal–placental unit] Miccolis N. **Minerva Ginecol** 1980 Sep;32(9):787–90 (Eng. Abstr.) **(Ita)**

[Transplacental passage of sodium oxybutyrate in parturients] Manelis ES. **Anesteziol Reanimatol** 1980 Aug;(4):12–4 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

AMP phosphatase activity in human term placenta: studies on placental 5'–nucleotidase. Maguire MH, et al. **Adv Exp Med Biol** 1980;122A:393–5

Steroid concentrations and delta 5, 3 beta–hydroxysteroid dehydrogenase activity in human placenta. Comparison between elective cesarean section and spontaneous vaginal delivery. Ferre F, et al. **Am J Obstet Gynecol** 1980 Nov 1;138(5):500–3

Apparent immunologic nonidentity of human placental and endometrial 17beta–estradiol dehydrogenase. Marovitz W, et al. **Am J Obstet Gynecol** 1980 Nov 15;138(6):643–7

Acid and alkaline phosphatases in histologically defined areas of the sheep uterus and placenta: histochemical and microfluorometric analyses. Zamiri MJ. **Aust J Biol Sci** 1980 Oct;33(5):549–55

Specificity of allozyme–absorbed antisera to human placental alkaline phosphatase for individual phenotypes. Wei SC, et al. **Biochem Genet** 1980 Dec;18(11–12):1097–107

Hexokinase activity and isozyme pattern in human placenta: a population study. Aguiar ME, et al. **Biochem Med** 1980 Oct;24(2):190–3

Molecular and catalytic properties of purified glutathione S–transferase from human placenta. Polidoro G, et al. **Biochem Med** 1981 Jun;25(3):247–59

Molecular weight differences between human platelet and placental monoamine oxidase. Brown GK, et al. **Biochem Pharmacol** 1980 Oct 1;29(19):2595–603

Range of environmentally responsive monooxygenase activities in human placental microsomes determined by direct fluorescence techniques. Manchester DK. **Biochem Pharmacol** 1981 Apr 1;30(7):757–62

Uptake and distribution of placental glucocerebrosidase in rat hepatic cells and effects of sequential deglycosylation. Furbish FS, et al. **Biochim Biophys Acta** 1981 Apr 3; 673(4):425–34

Purification and properties of human N–acetylgalactosamine–6–sulfate sulfatase. Lim CT, et al. **Biochim Biophys Acta** 1981 Feb 13;657(2):344–55

Large scale purification of glucocerebrosidase from human placentas. Dale GL, et al. **Birth Defects** 1980;16(1):33–41

'GOT' and/or 'LDH' activity as a 'titer' of commercial organ extracts from liver and placenta. De Arcangelis A, et al. **Boll Chim Farm** 1980 Dec;119(12):710–8

Biological assaying of animal organ extracts by means of enzymatic activities. De Arcangelis A, et al. **Boll Chim Farm** 1980 Dec;119(12):702–9

Sex–linked ichthyosis and placental sulphatase C deficiency. de Groot WP, et al. **Br J Dermatol** 1980 Jul;103(1):73–9

A structural difference between the beta–chains in hexosaminidase B and hexosaminidase A. Mahuran D, et al. **Can J Biochem** 1981 Apr;59(4):237–41

Binding of specific peroxidase–labeled antibody to placental–type phosphatase on tumor–derived membrane fragments. Taylor DD, et al. **Cancer Res** 1980 Nov; 40(11):4064–9

Angiotensin–converting enzyme activity and its modulation by oxygen tension in the guinea pig fetal–placental unit. Davidson D, et al. **Circ Res** 1981 Feb;48(2):286–91

A fluorometric assay for total diamines in human urine using human placental diamine oxidase. Matsumoto T, et al. **Clin Chim Acta** 1981 May 5;112(2):141–8

Enzyme–generated intermediates derived from 4–androstene–3,6,17–trione and 1,4,6–androstatriene–3,17–dione cause a time–dependent decrease in human placental aromatase activity. Covey DF, et al. **Endocrinology** 1981 Apr;108(4):1597–9

Comparative studies of the aromatization of testosterone and epitestosterone by human placental aromatase. Finkelstein M, et al. **Endocrinology** 1981 Mar;108(3):943–7

Comparative studies on acid phosphatase isozymes of developing human placenta and fetal liver. Kushari J, et al. **Enzyme** 1980;25(5):316–21

Activities of enzymes involved in amino–acid metabolism in developing rat placenta. Remesar X, et al. **Eur J Biochem** 1980 Sep;110(1):289–93

Studies on beta–glucuronidase of the developing human placenta. Kushari J, et al. **Gynecol Obstet Invest** 1980; 11(2):119–27

Microsomal ATPases from developing human placenta. Chakraborti AS, et al. **Indian J Exp Biol** 1980 Jun; 18(6):636–7

Affinity purification of alpha–galactosidase A from human spleen, placenta, and plasma with elimination of pyrogen contamination. Properties of the purified splenic enzyme compared to other forms. Bishop DF, et al. **J Biol Chem** 1981 Feb 10;256(3):1307–16

Mechanism of estrogen biosynthesis. Participation of multiple enzyme sites in placental aromatase hydroxylations. Fishman J, et al. **J Biol Chem** 1981 May 10;256(9):4466–71

Purification and characterization of DNase VII, a 3' leads to 5'–directed exonuclease from human placenta. Hollis GF, et al. **J Biol Chem** 1981 Aug 10;256(15):8074–9

Synthesis of first trimester placental alkaline phosphatase in cultured human term placental cells. Sakiyama T, et al. **J Biol Chem** 1980 Oct 10;255(19):9399–403

Human placental 17 beta–estradiol dehydrogenase and 20 alpha–hydroxysteroid dehydrogenase. Two activities at a single enzyme active site. Strickler RC, et al. **J Biol Chem** 1981 Jan 10;256(1):316–21

Hydrolysis of some cystine amniopeptidase and aminopeptidase substrates by human placental enzymes after isoelectric focusing. Unger T, et al. **J Clin Chem Clin Biochem** 1980 Oct;18(10):631–5

Transamidating enzymes in maternal plasma and placenta in human pregnancies complicated by intrauterine growth retardation. Persson BL, et al. **J Dev Physiol** 1980 Feb–Apr; 2(1–2):37–46

Activation by corticosteroids of steriod metabolizing enzymes in ovine placental explans in vitro. Ricketts AP, et al. **J Endocrinol** 1980 Jun;85(3):457–69

Uptake of lysosomal enzymes by human fibroblasts: lack of uptake of fungal or plant glycosidases in comparison with a mammalian enzyme. Dooley KC, et al. **J Inherited Metab Dis** 1980;3(4):145–7

Purification and properties of two superoxide dismutases from human placenta. Sugiura M, et al. **J Pharmacobiodyn** 1981 Apr;4(4):235–44

Purification of superoxide dismutases from human placenta using immunoadsorbent columns. Sugiura M, et al. **J Pharmacobiodyn** 1981 Apr;4(4):245–50

High–affinity steroid binding to rat testis 17 alpha–hydroxylase and human placental aromatase. Barbieri RL, et al. **J Steroid Biochem** 1981 Apr;14(4):387–93

11 beta–Hydroxyteroid dehydrogenase activity (E.C. 1.1.1.146) in human placenta and decidua. Bernal AL, et al. **J Steroid Biochem** 1980 Sep;13(9):1081–7

Studies of the biochemical basis of steroid sulphatase deficiency.––II. A finding of decreased phospholipid content in sulphatase deficient placental microsomes. McKee JW, et al. **J Steroid Biochem** 1981 Feb;14(2):195–8

Ascorbic acid inhibition of aromatase activity in human placenta tissue. Milewich L, et al. **J Steroid Biochem** 1981 Feb;14(2):185–93

Human placental phosphoglucomutase locus 3 studies in the Italian population. Corbo RM, et al. **Jinrui Idengaku Zasshi** 1980 Dec;25(4):325–8

Studies on human placental monoamine oxidase using mixed substrates. Oguchi K, et al. **Jpn J Pharmacol** 1980 Apr; 30(2):157–64

Studies on beta–phenylethylamine deamination by human placental monoamine oxidase. Oguchi K, et al. **Jpn J Pharmacol** 1981 Feb;31(1):7–14

Sex specific difference in placental steroid sulphatase activity [letter] Lykkesfeldt G, et al. **Lancet** 1981 Aug 1; 2(8240):255–6

Transcription of adenovirus 2 DNA by human RNA polymerase II in vitro. Seidman SL, et al. **MGG** 1980; 179(3):647–59

Secretion of lysosomal enzymes by human placental villi in vitro. Douglas GC, et al. **Mol Cell Biochem** 1980 Dec 10; 33(1–2):93–6

Inhibitors of platelet aggregation in the fetoplacental unit and myometrium with particular reference to the ADP–degrading property of placenta. Hutton RA, et al. **Placenta** 1980 Apr–Jun;1(2):125–30

Placental alkaline phosphatase in nonmalignant human cervix. Goldstein DJ, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4226–8

Detection of enzyme polymorphism by using monoclonal antibodies. Slaughter CA, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):1124–8

Substrate specificity of the placental microsomal aromatase. Gibb W, et al. **Steroids** 1980 Nov;36(5):507–19

Substrate and nucleotide specificity of placental microsomal 3 beta–hydroxysteroid dehydrogenase. Gibb W. **Steroids** 1981 Jan;37(1):23–31

Estradiol 17 beta–dehydrogenase and 20 alpha–hydroxysteroid dehydrogenase from human placental cytosol: one enzyme with two activities? Strickler RC, et al. **Steroids** 1980 Aug;36(2):243–53

On the capacity of human placental enzymes to catalyze the formation of diols from benzo[a]pyrene. Namkung MJ, et al. **Toxicol Appl Pharmacol** 1980 Sep 15;55(2):253–9

The influence of patulin on rat fetus and rat and human placenta enzymes. Fuks–Holmberg D. **Toxicon** 1980; 18(4):437–42

[Placental fraction of leucine–aminopeptidase in physiological pregnancy (author's transl)] Nesit V, et al. **Cesk Gynekol** 1981 Jul;46(6):436–42 (Eng. Abstr.) **(Cze)**

[Instability of serum 17 beta–hydroxysteroid dehydrogenases of placental origin] Nicol M, et al. **C R Soc Biol (Paris)** 1980;174(1):33–9 (Eng. Abstr.) **(Fre)**

[Variations of placental enzymes in hypoxia (author's transl)] Prinz W, et al. **Zentralbl Gynaekol** 1980;102(10):542–49 (Eng. Abstr.) **(Ger)**

[Localization of B–glycuronidase activity in homogenates of placentas at different gestational ages and in different subcellular organelles] Laureti E. **Boll Soc Ital Biol Sper** 1980 Oct 30;56(20):2056–61 **(Ita)**

[Preliminary study of the physical chemistry and catalytic properties of glutathione–S–transferase from human placenta] Polidoro G, et al. **Boll Soc Ital Biol Sper** 1979 May 15;55(9):840–3 (Eng. Abstr.) **(Ita)**

[Case of placental sulfatase deficiency––its relation to x–linked ichthyosis] Fukushima Y, et al. **Acta Obstet Gynaecol Jpn** 1981 Mar;33(3):420–3 **(Jpn)**

[Monoamine oxidase in human placenta in normal and pathological pregnancy] Turzański L. **Ginekol Pol** 1980 May;51(5):379–88 (Eng. Abstr.) **(Pol)**

[Enzyme activity in the placenta in pregnancies at risk] Zhantieva EM. **Akush Ginekol (Mosk)** 1980 Aug;(8):48–51 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunological aspects of the materno–fetal relationship in human pregnancy. Role of the placenta. Faulk WP, et al. **Acta Paediatr Belg** 1980 Apr–Jun;33(2):77–90

Why didn't your mother reject you? Wegmann TG. **Can Med Assoc J** 1980 Nov 22;123(10):991–3

Immunohistochemical demonstration of luteinizing hormone–releasing factor–like material in human syncytiotrophoblast and trophoblastic tumours. Seppälä M, et al. **Clin Endocrinol (Oxf)** 1980 May;12(5):441–51

Immunological studies of human placentae: complement components in immature and mature chorionic villi. Faulk WP, et al. **Clin Exp Immunol** 1980 May;40(2):299–305

Mechanisms of non–rejection of foeto–placental allografts. Beer AE, et al. **Folia Biol (Praha)** 1980;26(4):225–43

Epithelium of mouse yolk sac placenta lacks H–2 complex alloantigens. Parr EL, et al. **J Exp Med** 1980 Oct 1; 152(4):945–55

Ia antigen expression on the developing mouse embryo and placenta. Jenkinson EJ, et al. **J Reprod Immunol** 1979 Jan–Feb;1(1):3–10

Expression of retrovirus–related antigen in pregnancy. II. Cytotoxic and blocking specificities of immunoglobulins eluted from the placenta. Thiry L, et al. **J Reprod Immunol** 1981 Mar;2(6):323–30

Human placental membrane receptor for IgG–I. Studies on properties and solubilization of the receptor. Niezgódka M, et al. **Mol Immunol** 1981 Mar;18(3):163–72

Murine embryonic B lymphocyte development in the placenta. Melchers F. **Nature** 1979 Jan 18;277(5693):219–21

Trophoblast survival. Faulk WP, et al. **Transplantation** 1981 Jul;32(1):1–5

[Activity of proteolytic enzymes contaminating human placental immunoglobulin preparations] Iskierko J, et al. **Med Dosw Mikrobiol** 1980;32(1):63–8 (Eng. Abstr.) **(Pol)**

METABOLISM

Inhibition by fatty acids of the cholesterol side–chain cleavage in the course of progesterone biosynthesis in the mitochondrial fraction of human term placenta. Tialowska B, et al. **Acta Biochim Pol** 1980;27(3–4):257–64

Cell–free synthesis of alpha and beta subunits of human chorionic gonadotrophin with polyribosomes from early placenta. Maruo T, et al. **Acta Endocrinol (Copenh)** 1980 Sep;95(1):90–6

Polyamine levels in rat placenta during pregnancy. Vanella A, et al. **Acta Eur Fertil** 1980 Mar;11(1):95–8

The placenta in intrauterine fetal deprivation. I. The biochemical profile of placentas from cases of intrauterine growth–retarded gestation of toxemic and non–toxemic origin. Diamant YZ, et al. **Acta Obstet Gynecol Scand** 1981; 60(2):141–7

Early steps in prostaglandin metabolism in the human placenta. Jarabak J. **Am J Obstet Gynecol** 1980 Nov 1; 138(5):534–40

Induced fetal hyperthyroidism: cardiac output and oxygen consumption. Lorijn RH, et al. **Am J Physiol** 1980 Sep; 239(3):H302–7

Fetal bile salt metabolism: placental transfer of taurocholate in sheep. Sewell RB, et al. **Am J Physiol** 1980 Nov; 239(5):G354–7

Transfer of tritium–labeled vitamin D3 and 25–hydroxyvitamin D3 in ovine placenta. Hidiroglou M, et al. **Am J Vet Res** 1981 Jan;42(1):140–1

Caesarean section and placental transfer of alcuronium. Ho PC, et al. **Anaesth Intensive Care** 1981 May;9(2):113–8

Human placental receptors for luteinizing hormone releasing hormone. Currie AJ, et al. **Biochem Biophys Res Commun** 1981 Mar 16;99(1):332–8

De novo biosynthesis of enkephalins and their homologues in the human placenta. Tan L, et al. **Biochem Biophys Res Commun** 1981 Feb 12;98(3):752–60

Regulation of progesterone from 20 alpha–dihydroprogesterone biosynthesis by phosphopyridine nucleotides in the human placental mitochondrial fraction. Klimek J, et al. **Biochem Med** 1980 Jun;23(3):257–62

Specific binding for opiate–like drugs in the placenta. Valette A, et al. **Biochem Pharmacol** 1980 Oct 1;29(19):2657–61

Insulin inhibition of calcium binding by human placental membrane. Williams PF, et al. **Biochim Biophys Acta** 1981 Aug 5;676(1):113–7

Lipid peroxidation system in human placental tissue: general properties and the influence of gestational age. Diamant S, et al. **Biol Reprod** 1980 Nov;23(4):776–81

Tissue and species–specific effects of small molecular weight nuclear RNA's on transcription in isolated mammalian nuclei. Liu WC, et al. **Can J Biochem** 1981 May; 59(5):343–52

Placental transfer of indomethacin in the rabbit and sheep. Harris WH, et al. **Can J Physiol Pharmacol** 1981 Apr; 59(4):342–6

Effects of adenosine cyclic nucleotides on the synthesis of human chorionic gonadotropin in transformed human placental cells. Chou JY. **Cancer Res** 1980 Nov; 40(11):4025–30

Presence of alpha 2–macroglobulin in normal but not in malignant human syncytiotrophoblasts. Saksela O, et al. **Cancer Res** 1981 Jun;41(6):2507–13

Catechol estrogen formation in placental and fetal tissues of humans, macaques, rats and rabbits. Chao ST, et al. **Dev Pharmacol Ther** 1981;2(1):1–16

Steroid metabolism in pregnant hamster. II. The metabolism of androgens by the hamster placenta. Marchut M. **Endocrinol Exp (Bratisl)** 1981;15(2):111–28

Effects of sodium butyrate and 5–bromo–2'–deoxyuridine on the synthesis of human chorionic gonadotropin in human placental cells transformed by tsA mutants of simian virus 40. Chou JY. **Endocrinology** 1980 Nov;107(5):1327–32

Vitamin D3 metabolite injections to thyroparathyroidectomized pregnant rats: effects on calcium–binding proteins of maternal duodenum and of fetoplacental unit. Garel JM, et al. **Endocrinology** 1981 Jul; 109(1):284–9

Binding of [3H]dexamethasone by rat placenta. Heller C, et al. **Endocrinology** 1981 May;108(5):1697–702

Regulation of human chorionic gonadotropin synthesis in cultured human placental cells by glucocorticoids. Mano T, et al. **Endocrinology** 1981 Sep;109(3):888–92

Binding properties of the insulin receptor of human placenta under different conditions of incubation. Spallone L, et al. **Endokrinologie** 1981 Apr;77(2):226–32

On the pharmacokinetics of domperidone in animals and man II. Tissue distribution, placental and milk transfer of domperidone in the Wistar rat. Michiels M, et al. **Eur J Drug Metab Pharmacokinet** 1981;6(1):37–48

The influence of culture conditions on the production of colony–stimulating activity by human placenta. Schlunk T, et al. **Exp Hematol** 1980 Feb;8(2):179–84

Pyruvate dehydrogenase and the regulation of glucose metabolism in ruminant tissues. Robertson JP, et al. **FEBS Lett** 1980 Nov 3;120(2):192–4

Relationship between mitochondrial ATPase and membrane lipids from developing human placenta. Chakraborti AS, et al. **Gynecol Obstet Invest** 1980;11(5):294–300

In vitro effect of human placental lactogen on steroidogenesis in human placental tissue from early pregnancy. Galhotra MM, et al. **Indian J Physiol Pharmacol** 1980 Jul–Sep; 24(3):183–9

Supply of polyenoic fatty acids to the mammalian brain: the ease of conversion of the short–chain essential fatty acids to their longer chain polyunsaturated metabolites in liver, brain, placenta and blood. Naughton JM. **Int J Biochem** 1981;13(1):21–32 (139 ref.)

Androgen receptor in human placental villi. Hirota K, et al. **J Biochem (Tokyo)** 1981 Jan;89(1):153–60

A single gonadotropin alpha–subunit gene in normal tissue and tumor–derived cell lines. Boothby M, et al. **J Biol Chem** 1981 May 25;256(10):5121–7

Vitamin D–dependent calcium–binding protein. Immunochemical studies and synthesis by placental tissue in vitro. Bruns ME, et al. **J Biol Chem** 1981 May 10; 256(9):4649–53

Purification of the insulin receptor from human placenta by chromatography on immobilized wheat germ lectin and receptor antibody. Harrison LC, et al. **J Biol Chem** 1980 Dec 25;255(24):12066–72

Solubilization and isolation of the human placenta receptor for epidermal growth factor–urogastrone. Hock RA, et al. **J Biol Chem** 1980 Nov 25;255(22):10737–43

Characterization of the receptor for epidermal growth factor–urogastrone in human placenta membranes. Hock RA, et al. **J Biol Chem** 1980 Nov 25;255(22):10731–6

Synthetic pre–proparathyroid hormone leader sequence inhibits cell–free processing of placental, parathyroid, and pituitary prehormones. Majzoub JA, et al. **J Biol Chem** 1980 Dec 10;255(23):11478–83

Affinity labeling of multiplication stimulating activity receptors in membranes from rat and human tissues. Massague J, et al. **J Biol Chem** 1981 Mar 10;256(5):2122–5

Purification and properties of the human placental insulin receptor. Siegel TW, et al. **J Biol Chem** 1981 Sep 10; 256(17):9266–73

Production of pregnancy–specific beta 1–glycoprotein by cultured placental cells. Chou JY, et al. **J Clin Endocrinol Metab** 1981 Aug;53(2):239–45

A preferential binding site for insulin–like growth factor II in human and rat placental membranes. Daughaday WH, et al. **J Clin Endocrinol Metab** 1981 Aug;53(2):282–8

Evidence for somatostatin precursors in human stomach, placenta, and amniotic fluid. Fitz–Patrick D, et al. **J Clin Endocrinol Metab** 1981 Aug;53(2):372–6

Human placenta is an active site of thyroxine and 3,3'5–triiodothyronine tyrosyl ring deiodination. Roti E, et al. **J Clin Endocrinol Metab** 1981 Sep;53(3):498–501

Synthesis of 1,25–dihydroxyvitamin D3 by human placenta in vitro. Whitsett JA, et al. **J Clin Endocrinol Metab** 1981 Sep;53(3):484–8

Disulfide reduction converts the insulin receptor of human placenta to a low affinity form. Jacobs S, et al. **J Clin Invest** 1980 Dec;66(6):1424–7

Placental transfer of dexamethasone in near–term sheep. Anderson DF, et al. **J Dev Physiol** 1979 Dec;1(6):431–6

Glucose transfer across the intact guinea–pig placenta. Bissonnette JM, et al. **J Dev Physiol** 1979 Dec;1(6):415–26

Transplacental diffusion of ethanol under steady state conditions. Bonds DR, et al. **J Dev Physiol** 1980 Dec; 2(6):409–16

The transfer of fatty acids across the sheep placenta. Elphick MC, et al. **J Dev Physiol** 1979 Feb;1(1):31–45

Plasma free fatty acid umbilical venous–arterial concentration differences and placental transfer of [14C]palmitic acid in

pigs. Elphick MC, et al. **J Dev Physiol** 1980 Oct;2(5):347–56
Diffusion permeability and ultrafiltration–reflection–coefficients of Narand Cl– in the near–term placenta of the sheep. Thornburg KL, et al. **J Dev Physiol** 1979 Feb;1(1):47–60
Onset of synthesis of progesterone by ovine placenta. Ricketts AP, et al. **J Endocrinol** 1980 Aug;86(2):337–47
Placental production of 5 beta–pregnane–3 alpha,20 alpha–diol in goats. Sheldrick EL, et al. **J Endocrinol** 1981 Aug;90(2):151–8
Placental transfer of aldosterone in the sheep. Wintour EM, et al. **J Endocrinol** 1980 Aug;86(2):305–10
Metabolism and distribution of 2,4,5–trichlorophenoxyacetic acid (2,4,5–T) in pregnant mice. Koshakji RP, et al. **J Environ Sci Health [C]** 1979;13(4):315–34
Short–term and long–term ethanol administration inhibits the placental uptake and transport of valine in rats. Patwardhan RV, et al. **J Lab Clin Med** 1981 Aug;98(2):251–62
Glucose uptake into plasma membrane vesicles from the maternal surface of human placenta. Bissonnette JM, et al. **J Membr Biol** 1981 Jan 30;58(1):75–80
Inhibition of placental valine uptake after acute and chronic maternal ethanol consumption. Henderson GI, et al. **J Pharmacol Exp Ther** 1981 Mar;216(3):465–72
Human placental cholinergic system: depression of the uptake of alpha–aminoisobutyric acid in isolated human placental villi by choline acetyltransferase inhibitors. Rowell PP, et al. **J Pharmacol Exp Ther** 1981 Feb;216(2):232–8
Placental production of progesterone in ovariectomized goats treated with a synthetic progestagen to maintain pregnancy. Sheldrick EL, et al. **J Reprod Fertil** 1980 Nov;60(2):339–48
Ovine placental lactogen in the cotyledonary and intercotyledonary placenta of the ewe. Watkins WB, et al. **J Reprod Fertil** 1980 Mar;58(2):411–4
Regulation of steroidogenesis in the human placenta. Bedin M, et al. **J Steroid Biochem** 1980 Jan;12:17–24
Proteolytic domains of the epidermal growth factor receptor of human placenta. O'Keefe EJ, et al. **J Supramol Struct** 1981;15(1):15–27
Effect of ethanol feeding during pregnancy on placental transfer of alpha–aminoisobutyric acid in the rat. Lin GW. **Life Sci** 1981 Feb 9;28(6):595–601
Placental transport of trans fatty acids in the rat. Moore CE, et al. **Lipids** 1980 Dec;15(12):1023–8
The metabolism of 18:0 and 18:2(n–6) by the ovine placenta at 120 and 150 days of gestation. Shand JH, et al. **Lipids** 1981 Jan;16(1):68–71
The transplacental micronucleus test. Stoyel CJ, et al. **Mutat Res** 1980 Oct;74(5):393–8
Isolation of the human placenta receptor for epidermal growth factor–urogastrone. Hock RA, et al. **Nature** 1979 Feb 1;277(5695):403–5
1 alpha, 25–Dihydroxyvitamin D3 and 24,25–dihydroxyvitamin D3 in vitro synthesis by human decidua and placenta. Weisman Y, et al. **Nature** 1979 Sep 27;281(5729):317–9
Study of amino acid and sugar transfer across the placenta using isolated vesicles. **Nutr Rev** 1980 Nov;38(11):382–4
Placental concentrations of progesterone, estradiol–17 beta, and cyclic AMP at delivery. Lahav M, et al. **Obstet Gynecol** 1980 Nov;56(5):616–20
Hydrolysis of dipeptides by human and ovine placentas. Crandell SS, et al. **Pediatr Res** 1981 Apr;15(4 Pt 1):357–61
L–Lactate and D–Lactate carriers on the fetal and the maternal side of the trophoblast in the isolated guinea pig placenta. Leichtweiss HP, et al. **Pfluegers Arch** 1981 Apr; 390(1):80–5
Drug disposition and pharmacokinetics in the maternal–placental–fetal unit. Krauer B, et al. **Pharmacol Ther** 1980;10(2):301–28
Lipid deposition and metabolism in rat placenta during gestation. Diamant YZ, et al. **Placenta** 1980 Oct–Dec; 1(4):319–25
Transport of polar non–electrolytes across the intact and perfused guinea–pig placenta. Hedley R, et al. **Placenta** 1980 Oct–Dec;1(4):277–85
Ornithine decarboxylase activity and polyamine content of the placenta and decidual tissue in the rat. Hoshiai H, et al. **Placenta** 1981 Apr–Jun;2(2):105–16
The uptake of IgG by human placental chorionic villi: a correlated autoradiographic and wide aperture counting study. Ockleford CD, et al. **Placenta** 1980 Apr–Jun; 1(2):91–111
Foetal and placental metabolisms: their interrelationship and impact upon maternal metabolism. Battaglia FC, et al. **Proc Nutr Soc** 1981 Jan;40(1):99–113 (24 ref.)
Placental metabolism and enzyme activities in diabetic pigs. Martin RJ, et al. **Proc Soc Exp Biol Med** 1980 Oct; 165(1):39–43
Placental development and fatty acid metabolism in pigs fed ad libitum or restricted during gestation. Martin RJ, et al. **Proc Soc Exp Biol Med** 1981 Apr;166(4):472–8
Quantitative investigations on the diaplacental transfer of thallium by field desorption mass spectrometry. Ziskoven R, et al. **Z Naturforsch [C]** 1980 Nov–Dec;35(11–12):902–6
[The ATP concentration in the umbilical blood during a decreased respiratory activity of placental mitochondria (author's transl)] Horská S, et al. **Cesk Gynekol** 1980 Sep 45(8):563–6 (Eng. Abstr.) **(Cze)**
[In vitro aromatization of androgens in the presence of testosterone binding proteins from human placenta or serum] Le Guern A, et al. **Biochimie** 1980;62(10):747–9 (Eng. Abstr.) **(Fre)**
[Trans–placental transfer of four anti–inflammatory agents. A study carried out by in vitro perfusion (author's transl)] Akbaraly R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(1):7–11 (Eng. Abstr.) **(Fre)**
[Partial purification of bilirubin binding protein from the human term placenta (author's transl)] Goto S. **Acta Obstet Gynaecol Jpn** 1981 Feb;33(2):178–86 (Eng. Abstr.) **(Jpn)**
[Production and localization of human prolactin in the tissues associated with pregnancy (Report I) (author's transl)] Kasai K, et al. **Nippon Naibunpi Gakkai Zasshi** 1980 Nov; 56(11):1574–80 (Eng. Abstr.) **(Jpn)**
[Prostaglandins in human pregnancy and labor––studies on the levels of PGF2 alpha metabolites and in vitro production of PGE and PGF by uterus and placenta during human pregnancy and labor (author's transl)] Yasumizu T. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Jan;33(1):1–10 (Eng. Abstr.) **(Jpn)**
[Placental transfer and distribution of betamethasone 17,21–dipropionate in various regions of the brain of pregnant rats and mice (author's transl)] Nakano M, et al. **Nippon Yakurigaku Zasshi** 1981 Feb;77(2):165–76 (Eng. Abstr.) **(Jpn)**
[In vitro metabolism of dehydroepiandrosterone sulfate. I. Metabolism in human and monkey term–placentas (author's transl)] Midorikawa T, et al. **Yakugaku Zasshi** 1980 Nov; 100(11):1137–42 (Eng. Abstr.) **(Jpn)**
[Concentration of serotonin (5–HT) and monoamine oxidase activity in the placentas of women with pregnancy toxemias] Doraczyński H. **Ginekol Pol** 1980 Dec; 51(12):1093–7 (Eng. Abstr.) **(Pol)**
[Behavior of total lipids in placenta of rats subjected to acute stress induced by formaldehyde and previously treated with different doses of 1–isopropylamin–3–(1–naphthyl–oxy)–2–propanol hydrochloride: a histochemical and biochemical study] Kulay Júnior L, et al. **Rev Paul Med** 1980 May–Jun; 95(5–6):85–8 (Eng. Abstr.) **(Por)**
[Transplacental transport of trimecaine during the management of labor under prolonged peridural anesthesia] Babaev VA. **Akush Ginekol (Mosk)** 1980 Dec;(12):16–9 (Eng. Abstr.) **(Rus)**
[RNA content and glucose–6–phosphatase activity in subcellular placental fractions in women with an uncomplicated pregnancy] Bulienko SD, et al. **Akush Ginekol (Mosk)** 1980 Dec;(12):9–11 (Eng. Abstr.) **(Rus)**
[Effect of hyperbaric oxygenation on catecholamine metabolism in the placenta in late pregnancy toxicosis] Drel' IK, et al. **Akush Ginekol (Mosk)** 1981 Mar;(3):16–9 (Eng. Abstr.) **(Rus)**
[Transplacental transport of staphylococcal anatoxin (an experimental study)] Voropaeva SD, et al. **Akush Ginekol (Mosk)** 1981 Jan;(1):47–8 **(Rus)**

MICROBIOLOGY

Does transplacental spread of coccidioidomycosis occur? Report of a neonatal fatality and review of the literature. Spark RP. **Arch Pathol Lab Med** 1981 Jul;105(7):347–50 (27 ref.)
Colonization of mouse placentas by Brucella abortus inoculated during pregnancy. Bosseray N. **Br J Exp Pathol** 1980 Aug;61(4):361–8
Transplacental infection with adeno–associated virus type 1 in mice. Lipps BV, et al. **Intervirology** 1980;14(2):118–23
Epstein–Barr viral DNA: infectivity for human placental cells. Miller G, et al. **Science** 1981 Apr 24;212(4493):452–5
Preferential expression of endogenous type C viral antigen in Rhesus placenta during ontogenesis. Stromberg K, et al. **Virology** 1981 Jul 15;112(1):365–9
[Clinical significance of placental inflammatory infiltrates] Fête R, et al. **Helv Paediatr Acta** 1981 Feb;36(1):31–41 (Eng. Abstr.) **(Fre)**

PARASITOLOGY

The human materno–foetal relationship in malaria: I. Identification of pigment and parasites in the placenta. Galbraith RM, et al. **Trans R Soc Trop Med Hyg** 1980; 74(1):52–60
[Congenital Chagas disease: anatomopathological findings in the placenta and umbilical cord] Moya PR, et al. **Rev Fac Cienc Med Cordoba** 1979 Jan–Dec;37(1–4):21–7 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Intravillous hemorrhage [letter] Aladjem S, et al. **Arch Pathol Lab Med** 1981 Sep;105(9):499–500
Pathology of the placenta and cord in ascending and in haematogenous infection. Blanc WA. **Ciba Found Symp** 1979;(77):17–38
Placental tissue registry. Analysis of the first 500 cases. Cipresone JR, et al. **Diagn Gynecol Obstet** 1981 Spring; 3(1):19–26
Choriocarcinoma occurring within the normal placenta with breast metastasis. Tsukamoto N, et al. **Gynecol Oncol** 1981 Jun;11(3):348–63
Placental and fetal alterations due to Venezuelan equine encephalitis virus in rats. García–Tamayo J, et al. **Infect Immun** 1981 May;32(2):813–21
Placentas I have known. Driscoll SG. **Ir Med J** 1980 Jul; 73(7):255–7
Placental involvement in congenital neuroblastoma. Smith CR, et al. **J Clin Pathol** 1981 Jul;34(7):785–9
Intrauterine infection with mumps virus. Garcia AG, et al. **Obstet Gynecol** 1980 Dec;56(6):756–9
Invited review. A contemporary approach to placental pathology. Fox H. **Pathology** 1981 Apr;13(2):207–23
Morphological study of placental terminal villi in intrahepatic cholestasis of pregnancy: histochemistry, light and electron microscopy. Costoya AL, et al. **Placenta** 1980 Oct–Dec; 1(4):361–8
A study of placental villi in extrauterine gestation: a guide to the frequency of blighted ova. Emmrich P, et al. **Placenta** 1981 Jan–Mar;2(1):63–70
Morphologic considerations on the placenta in congenital nephrotic syndrome of Finnish type. Inferrera C, et al. **Virchows Arch [Pathol Anat]** 1980;389(1):13–26
[Morphological changes in the placentas of premature and small–for–gestational–age infants] Marinov E, et al. **Akush Ginekol (Sofiia)** 1980;19(5–6):433–6 **(Bul)**
[Morphological observations of placenta in 56 cases of mid–term abortion induced by Yuanhua preparations (author's transl)] Liang YG. **Chung Hua Fu Chan Ko Tsa Chih** 1979;14(4):290–2 **(Chi)**
[Chorioangioma] Hansen B, et al. **Ugeskr Laeger** 1981 Feb 16;143(8):490 (Eng. Abstr.) **(Dan)**
[The placenta of premature births (author's transl)] Kérisit J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980; 9(8):843–8 (Eng. Abstr.) **(Fre)**
[Morphological and stereological examinations of placenta of patient with unruptured tubal pregnancy at full term (author's transl)] Kaltenbach FJ, et al. **Zentralbl Gynaekol** 1981;103(10):577–82 (Eng. Abstr.) **(Ger)**
[Anatomo–pathological and immunofluorescence investigation of the toxemic placenta] Cesone P, et al. **Minerva Ginecol** 1980 Sep;32(9):735–43 (Eng. Abstr.) **(Ita)**
[Morphological changes in the mature placenta in anemia in pregnant women] Aver'ianova SG. **Akush Ginekol (Mosk)** 1980 Dec;(12):12–6 (Eng. Abstr.) **(Rus)**
[The weight of the placenta and of the newborn in premature delivery (author's transl)] Pačin J, et al. **Cesk Gynekol** 1980 Sep;45(8):558–62 (Eng. Abstr.) **(Slo)**

PHYSIOLOGY

Assessment of placental function by estimation of testosterone in plasma after an intravenous injection of dehydroepiandrosterone sulphate (DHAS). Axelsson O, et al. **Acta Obstet Gynecol Scand** 1981;60(3):301–4
Placental factors conditioning fetal nutrition and growth. Morriss FH Jr. **Am J Clin Nutr** 1981 Apr;34(Suppl 4):760–8
Placental factors conditioning fetal nutrition and development. Munro HN. **Am J Clin Nutr** 1981 Apr; 34(Suppl 4):756–9
Placental factors and fetal nutrition. Young M. **Am J Clin Nutr** 1981 Apr;34(Suppl 4):738–43
Failure of lactogenesis associated with placental retention. Neifert MR, et al. **Am J Obstet Gynecol** 1981 Jun 15; 140(4):477–8
Regulation of placental growth and chorionic somatomammotropin in the rhesus monkey: effects of protein deprivation, fetal anencephaly, and placental vessel ligation. Novy MJ, et al. **Am J Obstet Gynecol** 1981 Jul 1;140(5):552–62
Ontogenesis of beta–adrenergic receptors in the ovine placenta. Padbury JF, et al. **Am J Obstet Gynecol** 1981 Feb 15;139(4):459–64
'Aging' pigments in term human placenta. Parmley TH, et al. **Am J Obstet Gynecol** 1981 Apr 1;139(7):760–6
Vascular volumes in isolated perfused guinea pig placenta. Schröder H, et al. **Am J Physiol** 1981 Jul;241(1):H73–7
Placental permeability during early gestation in the hamster. Electron microscopic observations using horseradish peroxidase as a macromolecular tracer. Carpenter SJ. **Anat Rec** 1980 Jun;197(2):221–38
Placenta on pups' skin accelerates onset of maternal behaviour in non–pregnant rats. Kristal MB, et al. **Anim Behav** 1981 Feb;29(1):81–5
Endocrinology of the placenta. Everett RB, et al. **Annu Rev Med** 1979;30:473–88 (75 ref.)
Endocrine physiology of the placenta. Simpson ER, et al. **Annu Rev Physiol** 1981;43:163–88 (202 ref.)
The placenta as an experimental model. Fox H, et al. **Clin Endocrinol Metab** 1981 Mar;10(1):57–72 (86 ref.)
Placental trophic hormones. Marrs RP, et al. **Clin Obstet Gynecol** 1980 Sep;23(3):721–35 (42 ref.)
The uteroplacental renin–angiotensin system in normal and hypertensive pregnancy. Pipkin FB, et al. **Contrib Nephrol** 1981;25:49–52
Effect of the placenta on the growth and function of artificially formed secondary corpora lutea of pregnancy in rats. Nakamura Y, et al. **Endocrinol Jpn** 1980 Oct; 27(5):607–12
Placental control of ovarian immunoreactive relaxin secretion in the pregnant rat. Goldsmith LT, et al. **Endocrinology** 1981 Aug;109(2):548–52
Effects of food restriction on fetal and placental growth and maternal body composition. Lederman SA, et al.

Growth 1980 Jun;44(2):77–88

Placental diffusing capacity and its relation to fetal growth. Bissonnette JM, et al. **J Dev Physiol** 1979 Oct;1(5):351–9

Studies on the growth of the fetal sheep. The effects of reduction of placental size on hormone concentration in fetal plasma. Robinson JS, et al. **J Dev Physiol** 1980 Aug; 2(4):239–48

Evidence that a placental factor other than androsterone or dihydrotestosterone inhibits oestrogen-induced lordosis behaviour in pregnant rats. de Greef WJ, et al. **J Endocrinol** 1981 Apr;89(1):13–23

Development of the intercaruncular areas during early gestation and establishment of the bovine placenta. King GJ, et al. **J Reprod Fertil** 1981 Mar;61(2):469–74

Divergent sensitivities of leukaemic cells to human placental conditioned medium and leucocyte feeder layers. Francis GE, et al. **Leuk Res** 1980;4(6):531–6

The human placenta in cell and organ culture. Stromberg K. **Methods Cell Biol** 1980;21:227–52 (61 ref.)

On the trophoblast-stroma relationships during the chorial villosity functioning. A morphometric study. Ciobotaru C, et al. **Morphol Embryol (Bucur)** 1980 Jul–Sep;26(3):241–9

Effects of reduction of placental size in sheep. Worthington D, et al. **Obstet Gynecol** 1981 Aug;58(2):215–21

Insulin receptors in human placenta in relation to fetal weight and gestational age. Potau N, et al. **Pediatr Res** 1981 May; 15(5):798–802

Synthesis and processing of RNA by isolated human placental nuclei. Lau AS, et al. **Placenta** 1980 Apr–Jun; 1(2):169–81

Studies of a single placental cotyledon in vitro: I. The preparation and its viability. Penfold P, et al. **Placenta** 1981 Apr–Jun;2(2):149–54

The placenta. Beaconsfield P, et al. **Sci Am** 1980 Aug; 243(2):94–102

[Biological rhythms of the fetoplacental system in normal and prolonged pregnancy] Timoshenko LV, et al. **Akush Ginekol (Sofiia)** 1980;19(5–6):416–20 **(Bul)**

[Prostaglandins and their function in the fetoplacental unit] Jungmannová C. **Cesk Gynekol** 1980 Jul;45(6):424–33 **(Cze)**

[Regulation of the endocrine function of the placenta] Presl J. **Cesk Gynekol** 1981 Jul;46(6):466–7 **(Cze)**

[SP1--a further index to placental function?] Vetter K, et al. **Gynaekol Rundsch** 1980 Jun;20 Suppl 1:72–4 **(Ger)**

[A study on the mechanism of production and secretion of HPL (author's transl)] Shiotsuka Y, et al. **Acta Obstet Gynaecol Jpn** 1981 Jun;33(6):819–24 (Eng. Abstr.) **(Jpn)**

[Our model of the apparatus for in vitro perfusion of the placenta] Spaczyński M, et al. **Ginekol Pol** 1981;52(4):313–7 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

[Change test with DHEA-S in vivo and in vitro. Hypotrophy and utero-placental blood flow (author's transl)] Thoumsin HJ, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980; 9(2):205–10 (Eng. Abstr.) **(Fre)**

[Fetoplacental system functional state in the protracted course of late pregnancy toxicosis] Vikhliaeva EM, et al. **Akush Ginekol (Mosk)** 1981 Mar;(3):9–12 (Eng. Abstr.) **(Rus)**

[Placental structural and histochemical changes in late pregnancy toxicosis] Zheleznov BI, et al. **Akush Ginekol (Mosk)** 1981 Mar;(3):13–6 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

131I isotope placentography: simple counting equipment in obstetric practice. Knox-Macaulay HH, et al. **Int J Gynaecol Obstet** 1980 Sep–Oct;18(2):136–9

[Assessment of increased perinatal risk by radioimmunological measurement of chorionic somatomammotropin and plasma renin activity and by localization of the placenta (scintigraphically) and study of ureteroplacental blood circulation] Teodoru GK, et al. **Akush Ginekol (Sofiia)** 1981;20(1):26–34 (Eng. Abstr.) **(Bul)**

[Placental scanning with 113mIn (author's transl)] **Chung Hua Fu Chan Ko Tsa Chih** 1979;14(3):157–8 **(Chi)**

SECRETION

Serum prolactin during pregnancy induced by pituitary gonadotrophins in a patient with post partum hypopituitarism (Sheehan syndrome). Lee D, et al. **Arch Invest Med (Mex)** 1981;12(1):29–41 **(Eng, Spa)**

Evidence for a biphasic pattern in gonadotrophin secretion by the mouse placenta in vitro. Okker-Reitsma GH, et al. **J Steroid Biochem** 1980 Jan;12:97–9

Studies of human chorionic gonadotrophin, placental lactogen, and progesterone secretion in vitro. Shutt DA, et al. **Placenta** 1980 Oct–Dec;1(4):355–9

TRANSPLANTATION

Renal damage following transplantations of heterologous placental tissue. Toder V, et al. **Gynecol Obstet Invest** 1981; 12(1):21–8

ULTRASTRUCTURE

Ultrastructure of the epithelium of the chorionic villi of the human placenta. Demir R. **Acta Anat (Basel)** 1980; 106(1):18–29

The fine structure of placental junctional zone cells during prolonged pregnancy in rats. Jollie WP, et al. **Acta Anat (Basel)** 1979;105(4):386–400

A morphometric study of placenta in fetal congenital nephrotic syndrome of Finnish type. Autio-Harmainen H. **Acta Pathol Microbiol Scand [A]** 1981 Mar;89(2):173–8

On the developing rat placenta. I. Differentiation and junctional alterations of labyrinthine layers II and III. Metz J. **Anat Embryol (Berl)** 1980;159(3):289–305

Isolation of ribonuclease-free polysomes from human placenta. Kelly S, et al. **Biochim Biophys Acta** 1980 Sep 19;609(2):278–85

A three-dimensional study of the normal human placental villous core. I. The Hofbauer cells. Castellucci M, et al. **Cell Tissue Res** 1980;210(2):235–47

Binucleate cell migration in the bovine placentome. Wooding FB, et al. **J Reprod Fertil** 1980 Jul;59(2):425–30

Lamella-particle complexes in the human placenta. Sutherland JC, et al. **Pathol Res Pract** 1980;169(3–4):323–9

An electron microscopic study of histiotrophe in the interareolar part of the porcine placenta. Dantzer V, et al. **Placenta** 1981 Jan–Mar;2(1):19–28

An ultrastructural and ultrahistochemical study of the human placenta in maternal pre-eclampsia. Jones CJ, et al. **Placenta** 1980 Jan–Mar;1(1):61–76

Junctions on the maternal blood surface of the human placental syncytium. Reale E, et al. **Placenta** 1980 Jul–Sep; 1(3):245–58

Regional ultrastructural differences in placental villi in cotyledons of a mature human placenta. Schuhmann RA, et al. **Placenta** 1980 Oct–Dec;1(4):345–53

Ultrastructural abnormalities of placental villi in placentae from pregnancies complicated by intrauterine fetal growth retardation: their relationship to decidual spiral arterial lesions. Sheppard BL, et al. **Placenta** 1980 Apr–Jun; 1(2):145–56

Ultrastructural observations on the placenta of the alpaca (Lama pacos). Steven DH, et al. **Placenta** 1980 Jan–Mar; 1(1):21–32

Morphogenesis of human placental chorionic villi: cytoskeletal, syncytioskeletal and extracellular matrix proteins. Ockleford CD, et al. **Proc R Soc Lond [Biol]** 1981 Jul 14;212(1188):305–16

The human materno-foetal relationship in malaria. II. Histological, ultrastructural and immunopathological studies of the placenta. Galbraith RM, et al. **Trans R Soc Trop Med Hyg** 1980;74(1):61–72

[Morphometric studies on the placentas in high-risk pregnancies] Estel C, et al. **Gegenbaurs Morphol Jahrb** 1980;126(3):287–92 (Eng. Abstr.) **(Ger)**

[Morphometric studies in placental villi of mature human placentas (author's transl)] Noack EJ, et al. **Z Geburtshife Perinatol** 1981 Jun;185(3):155–60 (Eng. Abstr.) **(Ger)**

[Correlation between the placental surface and the maturity of the newborn] Cseh I, et al. **Morphol Igazsagugyi Orv Sz** 1981 Jan;21(1):51–5 (Eng. Abstr.) **(Hun)**

[Comparison of free and membrane-bound polyribosomes of human placenta in different periods of pregnancy] Radzinskiĭ VE, et al. **Ukr Biokhim Zh** 1981 May–Jun; 53(3):38–42 (Eng. Abstr.) **(Rus)**

PLACENTA ACCRETA

COMPLICATIONS

Spontaneous rupture of uterus caused by placenta percreta. Camlibel FT. **NY State J Med** 1981 Aug;81(9):1373–6

[Placenta percreta and rupture of the uterus (author's transl)] Quakernack K, et al. **Geburtshilfe Frauenheilkd** 1980 Jun; 40(6):520–3 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Placental accreta. Chew SY. **Singapore Med J** 1980 Oct; 21(5):699–702

PLACENTA DISEASES

Prolapse of the placenta. Pal SK. **J Indian Med Assoc** 1980 Sep 1;75(5):94–5

Placental metastasis from maternal carcinoma of the lung. Read EJ Jr, et al. **Obstet Gynecol** 1981 Sep;58(3):387–91

[Congenital neuroblastoma with placental metastases] Støvring S. **Ugeskr Laeger** 1980 Nov 3;142(45):2977–8 (Eng. Abstr.) **(Dan)**

[The placental insufficiency syndrome (a clinical concept) (author's transl)] Wulf KH. **Z Geburtshife Perinatol** 1981 Feb;185(1):2–11 (79 ref.) (Eng. Abstr.) **(Ger)**

BLOOD

[Concentrations of polyamines in maternal and umbilical-cord blood and in the amniotic fluid during normal human pregnancy and in feto-placental insufficiency] Casti A, et al. **Ateneo Parmense [Acta Biomed]** 1979;50(1):15–26 (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

Fetal toxicity of cadmium in the rat: decreased utero-placental blood flow. Levin AA, et al. **Toxicol Appl Pharmacol** 1981 Apr;58(2):297–306

[Placental histological findings in women from the area polluted with TCDD] Cattaneo M, et al. **Ann Ostet Ginecol Med Perinat** 1981 May–Jun; 102(3):155–64 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Short-term variability of fetal heart rate during pregnancies with normal and insufficient placental function. Kariniemi V, et al. **Am J Obstet Gynecol** 1981 Jan;139(1):33–7

Placental abscess as a cause of fever of unknown origin. Levy DL. **Am J Obstet Gynecol** 1981 Jun 1;140(3):338–9

Infant size and relative placental weight at birth. Woods DL, et al. **Early Hum Dev** 1980 Jun;4(2):139–43

Circumvallate placenta and congenital malformation [letter] Lademacher DS, et al. **Lancet** 1981 Mar 28;1(8222):732

Placental infection with Mycoplasma homonis and Ureaplasma urealyticum: clinical correlation. Embree JE, et al. **Obstet Gynecol** 1980 Oct;56(4):475–81

[Studies on the placental damage and IUGR caused by intravaginally inoculated herpes simplex virus type-2 (HSV-2) during pregnancy (author's transl)] Ando Y. **Acta Obstet Gynaecol Jpn** 1981 May;33(5):681–9 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Incorrect diagnosis of placental insufficiency in a patient with pre-eclampsia. Axelsson O, et al. **Acta Obstet Gynecol Scand** 1980;59(3):281–2

Antenatal diagnosis of chorioangioma of the placenta. Spirt BA, et al. **AJR** 1980 Dec;135(6):1273–5

Morbid adhesion of placenta. Pal SK, et al. **J Indian Med Assoc** 1980 Oct 16;75(8):163–5

Intrauterine malnutrition and urinary hydroxyproline excretion. Walther FJ, et al. **J Perinat Med** 1980;8(6):272–7

Subsequent physical and mental development in infants with positive contraction stress tests. Crane J, et al. **J Reprod Med** 1981 Mar;26(3):113–8

Ultrasonic diagnosis of placental abnormalities in situ. Mulhern CB Jr, et al. **JAMA** 1980 Nov 21;244(20):2339–41

Antepartum diagnosis of a succenturiate lobe: sonographic and pathologic correlation. Spirt BA, et al. **JCU** 1981 Mar; 9(3):139–40

Ultrasound appearances of placental chorioangioma. O'Malley BP, et al. **Radiology** 1981 Jan;138(1):159–60

Prospects of the laboratory diagnosis of intrauterine foetal distress. Donát J, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1980;23(5):569–622

[Importance of maturity diagnosis using amniotic fluid components for determining the probable term of delivery in nutritional insufficiency of the placenta] Schröder M, et al. **Akush Ginekol (Sofiia)** 1981;20(1):43–4 **(Bul)**

[Ultrasonographic detection and clinical importance of placental migration (author's transl)] Zanke S, et al. **Zentralbl Gynaekol** 1980;102(22):1301–7 (Eng. Abstr.) **(Ger)**

[Evolution of placental morphology using ultrasonics] D'Elia A, et al. **Arch Ostet Ginecol** 1980 Jan–Apr;85(1–2):21–7 **(Ita)**

[Prolonged pregnancy, fetal and neonatal distress. Clinical example of diagnostic detection] Santi F, et al. **Minerva Ginecol** 1981 Jan;33(1):91–6 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

[Therapy of the malnourished fetus. Organ distribution of intraamniotic alpha-amino-isobutyric acid] Husstedt W. **Fortschr Med** 1981 Mar 12;99(10):354–6 (Eng. Abstr.) **(Ger)**

[Circulatory effects of xanthinol nicotinate in advanced pregnancy (author's transl)] Schwarz R, et al. **Zentralbl Gynaekol** 1980;102(8):446–51 (Eng. Abstr.) **(Ger)**

[Beta-mimetic and anabolic drugs in the therapy of experimental placental lesions] Garzetti GG, et al. **Ann Ostet Ginecol Med Perinat** 1980 Jul–Aug;101(4):244–8 (Eng. Abstr.) **(Ita)**

[Personal experience in the treatment of placental insufficiency with cytidine diphosphocholine] Zardini E, et al. **Minerva Ginecol** 1980 Nov;32(11):1057–64 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Gestational choriocarcinoma. Its origin in the placenta during seemingly normal pregnancy. Brewer JI, et al. **Am J Surg Pathol** 1981 Apr;5(3):267–77

Placental infiltration in congenital neuroblastoma: a case study with ultrastructure. Perkins DG, et al. **Histopathology** 1980 Jul;4(4):383–9

Placentomegaly due to fetal congestive failure in a pregnancy with a sacrococcygeal teratoma. Cousins L, et al. **J Reprod Med** 1980 Sep;25(3):142–4

[Alpha fetoprotein and fetoplacental hydrops. Description of a clinical case] Manganelli F, et al. **Ann Ostet Ginecol Med Perinat** 1981 May–Jun;102(3):212–6 **(Ita)**

METABOLISM

Raised maternal serum and amniotic fluid alpha-fetoprotein levels associated with a placental haemangioma. Case report. Schnittger A, et al. **Br J Obstet Gynaecol** 1980 Sep; 87(9):824–6

Effects of malnutrition and quipazine on rat cerebral cortex ATPase activity during development. Hernández RJ. **Dev Neurosci** 1980;3(4–6):277–82

Arginine deficiency during gestation and lactation in the rat. Pau MY, et al. **J Nutr** 1981 Jan;111(1):184–93

Decrease prostacyclin production: a characteristic of chronic placental insufficiency syndromes. Stuart MJ, et al. **Lancet** 1981 May 23;1(8230):1126–8

PATHOLOGY

Hydrop degeneration. A histopathological investigation of 260 early abortions. Ladefoged C. **Acta Obstet Gynecol Scand** 1980;59(6):505–12

A morphometric study of placenta in fetal congenital nephrotic syndrome of Finnish type. Autio-Harmainen H. **Acta Pathol Microbiol Scand** [A] 1981 Mar;89(2):173–8

Intravillous hemorrhage [letter] Aladjem S, et al. **Arch Pathol Lab Med** 1981 Sep;105(9):499–500

Invited review. A contemporary approach to placental pathology. Fox H. **Pathology** 1981 Apr;13(2):207–23

Heterotopic adrenocortical tissue within a placenta. Cox JN, et al. **Placenta** 1980 Apr–Jun;1(2):131–3

Inflammatory lesions of the human placenta. III. The histopathology of villitis of unknown aetiology. Russell P. **Placenta** 1980 Jul–Sep;1(3):227–44

The importance of placental examination in newborns with single umbilical artery. Matheus M, et al. **Z Geburtshilfe Perinatol** 1980 Jun;184(3):231–2

[Feto-placentopathies in practice (author's transl)] Philippe E. **Arch Anat Cytol Pathol** 1980;28(5):286–93 (Eng. Abstr.) **(Fre)**

[Amnion nodosum and fetal erythrocytes (author's transl)] Babala J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980; 9(2):201–3 (Eng. Abstr.) **(Fre)**

[Granulomatous placentitis in toxoplasmosis (author's transl)] Susani M. **Wien Klin Wochenschr** 1981 Jan 9;93(1):24–8 (Eng. Abstr.) **(Ger)**

[Correlation between the placental surface and the maturity of the newborn] Cseh I, et al. **Morphol Igazsagugyi Orv Sz** 1981 Jan;21(1):51–5 (Eng. Abstr.) **(Hun)**

[Congenital heart disease and pregnancy] Avar Z, et al. **Orv Hetil** 1980 Aug 3;121(31):1881–90 **(Hun)**

PHYSIOPATHOLOGY

Influence of intrauterine malnutrition on brain development: alteration of myelination. Bourre JM, et al. **Biol Neonate** 1981;39(1–2):96–9

HPL and estriol serum levels of placental perfusion as indexes of placental function in EPH gestosis and placental insufficiency. Gitsch E, et al. **Gynecol Obstet Invest** 1980; 11(2):102–12

Vascular response of the fetal placenta to local occlusion of the maternal placental vasculature. Stock MK, et al. **J Dev Physiol** 1980 Oct;2(5):339–46

RADIONUCLIDE IMAGING

[Role and results of placental scintigraphy in modern obstetrics (author's transl)] Renziehausen K, et al. **Zentralbl Gynaekol** 1980;102(16):889–96 (Eng. Abstr.) **(Ger)**

[Clinical significance of radioisotope measurement of placental perfusion] Doszpod J, et al. **Orv Hetil** 1980 Dec 28;121(52):3177–9 **(Hun)**

THERAPY

A new way for the paraplacental supply of substances to the fetus. Saling E, et al. **J Perinat Med** 1981;9 Suppl 1:144–6

[Improvement of utero-placental perfusion by transcutaneous nerve stimulation (author's transl)] Kubista E, et al. **Wien Med Wochenschr** 1980 Sep 30;130(18):595–7 (Eng. Abstr.) **(Ger)**

[The influence of Transcutaneous nerve stimulation (TNS) on hormonal parameters of placental function in cases of placental insufficiency (author's transl)] Kubista E. **Z Geburtshife Perinatol** 1981 Jun;185(3):151–4 (Eng. Abstr.) **(Ger)**

[Improvement of the antepartal CTG by transcutaneous electric stimulation (author's transl)] Kubista E, et al. **Z Geburtshilfe Perinatol** 1980 Aug;184(4):290–4 (Eng. Abstr.) **(Ger)**

VETERINARY

Placental lesions caused by pseudorabies virus in pregnant sows. Hsu FS, et al. **J Am Vet Med Assoc** 1980 Oct 1; 177(7):636–41

Involution abnormalities in the postpartum uterus of the bitch. Al-Bassam MA, et al. **Vet Pathol** 1981 Mar; 18(2):208–18

PLACENTA PRAEVIA

[Placenta praevia. A retrospective evaluation of 55 cases from cesarean section records] Henriksen HM, et al. **Ugeskr Laeger** 1980 Dec 1;142(49):3236–7 (Eng. Abstr.) **(Dan)**

COMPLICATIONS

Placenta previa followed by total placental abruption. Remer HI. **JAOA** 1980 Oct;80(2):146–8

[Prevention of pregnancy disorders in the pathological placement of the placenta] Ivanova S. **Akush Ginekol (Sofiia)** 1980;19(5–6):431–2 **(Bul)**

DIAGNOSIS

The implication of a low implantation of the placenta detected by ultrasonography in early pregnancy. Varma TR. **Acta Obstet Gynecol Scand** 1981;60(3):265–8

Placenta previa: avoiding false-negative diagnoses. Laing FC. **JCU** 1981 Mar;9(3):109–13

The mid-trimester low lying placenta: a prospective study. Tremewan RN, et al. **NZ Med J** 1980 Aug 27;92(666):151–3

ETIOLOGY

Recurrent placenta previa. Gorodeski IG, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Jun;12(1):7–11

RADIONUCLIDE IMAGING

131I isotope placentography: simple counting equipment in obstetric practice. Knox-Macaulay HH, et al. **Int J Gynaecol Obstet** 1980 Sep–Oct;18(2):136–9

SURGERY

Caesarean section in placenta praevia in rural obstetric practice. Dutta DC, et al. **J Indian Med Assoc** 1980 Nov 1;75(9):176–9

VETERINARY

A case of placenta praevia in a common marmoset (Callithrix jacchus). Lunn SF. **Vet Rec** 1980 May 3–17;106(18–20):414

PLACENTAL EXTRACTS

METABOLISM

Substance P in human cord blood and its degradation by placenta in vitro. Skrabanek P, et al. **Eur J Obstet Gynaecol Reprod Biol** 1980 Dec;11(3):157–61

PLACENTAL FUNCTION TESTS

Racial variations in tests of fetoplacental function. Bissenden JG, et al. **Br J Obstet Gynaecol** 1981 Feb;88(2):109–14

Neurology and behaviour of growth-retarded neonates. Relation to biochemical placental function tests in late pregnancy. Leijon I, et al. **Early Hum Dev** 1980 Sep; 4(3):257–70

An 18-month follow-up study of growth-retarded neonates. Relation to biochemical tests of placental function in late pregnancy and neurobehavioural condition in the newborn period. Leijon I, et al. **Early Hum Dev** 1980 Sep;4(3):271–85

Total maternal urinary estrogen excretion and estrogen/creatinine ratio as placental function tests. Varma TR. **Int J Gynaecol Obstet** 1980;18(5):357–62

Variations in some of the body fluid hormone levels currently used for endocrine monitoring during the third trimester of pregnancy. Pedretti E, et al. **J Perinat Med** 1981; 9(1):40–7

Prognostic value of fetoplacental function tests: a review. Curzen P. **J R Soc Med** 1979 Feb;72(2):118–22 (42 ref.)

Reduced urinary estriol levels with erythromycin therapy. Gallagher JC, et al. **Obstet Gynecol** 1980 Sep;56(3):381–2

[Clinical significance of feto-placental unit function test—maternal urinary estrogen/creatine (E/C) ratio (author's transl)] **Chung Hua Fu Chan Ko Tsa Chih** 1979; 14(3):139–45 **(Chi)**

[Serum alpha-fetoprotein and urinary estrogen/creatinine ratio during pregnancy in the assessment of feto-placental function (author's transl)] **Chung Hua Fu Chan Ko Tsa Chih** 1979;14(3):146–50 **(Chi)**

[Possibilities in evaluation of endocrine functions of the foetoplacental unit in risk pregnancies (author's transl)] Donát J, et al. **Cesk Gynekol** 1980 Jul;45(6):371–8 (Eng. Abstr.) **(Cze)**

[Clinical significance of radioisotope measurement of placental perfusion] Doszpod J, et al. **Orv Hetil** 1980 Dec 28;121(52):3177–9 **(Hun)**

[Studies on the relation between the uterine contraction and the fetoplacental function (author's transl)] Saito N. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Nov; 32(11):1801–10 (Eng. Abstr.) **(Jpn)**

INSTRUMENTATION

[Our model of the apparatus for in vitro perfusion of the placenta] Spaczyński M, et al. **Ginekol Pol** 1981;52(4):313–7 (Eng. Abstr.) **(Pol)**

METHODS

[Measurement of heat-stable alkaline phosphatase in pregnant woman's serum by an improved measuring method, and re-investigation of its clinical significance as a parameter of placental function (author's transl)] Hayashi S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Jun;32(6):793–8 (Eng. Abstr.) **(Jpn)**

[Is it sufficient to determine estriol and creatinine in a small amount of urine rather than the whole-day collection?] Toldy M, et al. **Cesk Gynekol** 1980 Jul;45(6):410–2 **(Slo)**

PLACENTAL HORMONES

ANALYSIS

Placental proteins and steroid hormones in the soluble fraction of human syncytiotrophoblast plasma membrane. Johnson PM, et al. **J Reprod Fertil** 1980 Jul;59(2):437–40

BIOSYNTHESIS

Synthetic pre-proparathyroid hormone leader sequence inhibits cell-free processing of placental, parathyroid, and pituitary prehormones. Majzoub JA, et al. **J Biol Chem** 1980 Dec 10;255(23):11478–83

BLOOD

Ovarian and placental hormones during prolactin suppression and stimulation in early human pregnancy. Andersen AN, et al. **Clin Endocrinol (Oxf)** 1980 Aug;13(2):151–5

[The hormonology of pregnancy] Lambotte R. **Rev Med Liege** 1980 Sep 1;35(17):575–7 **(Fre)**

METABOLISM

Prolactin and placental hormone levels during pregnancy in prolactinomas. Batrinos ML, et al. **Int J Fertil** 1981; 26(2):77–85

PHARMACODYNAMICS

Embryo development under the effects of a new placental protein (UTPH) and its antiserum. Roblero L, et al. **Horm Metab Res** 1981 Feb;13(2):124–5

Uptake and incorporation of uridine-3H, leucine-3H and thymidine-3H by delayed mouse blastocysts under the effect of a human placental protein (UTPH) and its antiserum. Roblero L, et al. **Horm Metab Res** 1981 Mar; 13(3):188–9

PHYSIOLOGY

Evidence that a placental factor other than androsterone or dihydrotestosterone inhibits oestrogen-induced lordosis behaviour in pregnant rats. de Greef WJ, et al. **J Endocrinol** 1981 Apr;89(1):13–23

PLACENTAL INSUFFICIENCY see under **PLACENTA DISEASES**

PLACENTAL LACTOGEN

Determination and properties of proteohormone receptors in malignant gynecological tumors with special reference to lactogen receptors in human breast cancer. Bohnet HG. **Arch Gynecol** 1980;229(4):333–44

Recombinant hormones from fragments of human growth hormone and human placental lactogen. Russell J, et al. **J Biol Chem** 1981 Jan 10;256(1):296–300

The single tryptophan residue of human placental lactogen. Effects of modification and cleavage on biologic activity and protein conformation. Russell J, et al. **J Biol Chem** 1981 Jan 10;256(1):304–7

Conformation of biologically active derivatives of human placental lactogen. Schneider AB, et al. **J Biol Chem** 1981 Jan 10;256(1):301–3

ANALYSIS

Ratio of human placental lactogenic hormone (hPL) in amniotic fluid/maternal serum. Nielsen PV, et al. **Acta Obstet Gynecol Scand** 1981;60(1):9–12

Paraendocrine behaviour of tumours of the gastrointestinal tract with reference to human placental lactogen. Sheth NA, et al. **Br J Cancer** 1980 Oct;42(4):610–2

Plasma steroids and human placental lactogen level changes in late pregnancy in association with intravenous ritodrine administration. Schreyer P, et al. **Gynecol Obstet Invest** 1981;12(2):99–106

Immunoperoxidase localisation of human placental lactogen: a marker for the placental origin of the giant cells in 'syncytial endometritis' of pregnancy. Heyderman E, et al. **J Clin Pathol** 1981 Mar;34(3):303–7

Localization of ovine placental lactogen in sheep placentomes by electron microscope immunocytochemistry. Wooding FB. **J Reprod Fertil** 1981 May;62(1):15–9

Ectopic human placental lactogen and beta-human chorionic gonadotropin in gastric fluid of patients with malignant and non-malignant conditions of the stomach. Shinde SR, et al. **Oncology** 1981;38(5):277–80

Immunofluorescent localization of placental lactogen, chorionic gonadotrophin and its alpha and beta subunits in organ cultures of human placenta. Gaspard UJ, et al. **Placenta** 1980 Apr–Jun;1(2):135–44

[Serial levels of HLP, SP1, SP3, and different proteins in pregnancy compared for their prognostic value (author's transl)] Viala JL, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(4):419–24 (Eng. Abstr.) **(Fre)**

[Placental lactogen (HPL) in amniotic fluid] Diani F, et al.

Boll Soc Ital Biol Sper 1980 Apr 15;56(7):658–61 (Eng. Abstr.) **(Ita)**

[An immunohistochemical study of HCG and HPL on functional differentiation of human chorionic villi (author's transl)] Hayashi M.
Nippon Sanka Fujinka Gakkai Zasshi 1980 Jan;32(1):94–102 (Eng. Abstr.) **(Jpn)**

[Rapid method of radioimmunologic determination of placental hormones] Szymanski W. **Ginekol Pol** 1980 Dec; 51(12):1105–9 (Eng. Abstr.) **(Pol)**

[Placental lactogen in a group of normal pregnant women] dos Santos RD, et al. **Rev Paul Med** 1980 Nov–Dec; 96(5–6):100–2 (Eng. Abstr.) **(Por)**

BIOSYNTHESIS

Feto–placental hormones in fetal growth and in birth. Porter DG. **Acta Paediatr Belg** 1980 Apr–Jun;33(2):91–4

[A study on the mechanism of production and secretion of HPL (author's transl)] Shiotsuka Y, et al.
Acta Obstet Gynaecol Jpn 1981 Jun;33(6):819–24 (Eng. Abstr.) **(Jpn)**

BLOOD

Bromocriptine treatment during early human pregnancy: effect on the levels of prolactin, sex steroids and placental lactogen. Ylikorkala O, et al. **Acta Endocrinol (Copenh)** 1980 Nov;95(3):412–5

Interrelationships of human chorionic gonadotropin, human placental lactogen, and pregnancy–specific beta 1–glycoprotein throughout normal human gestation. Braunstein GD, et al. **Am J Obstet Gynecol** 1980 Dec 15; 138(8):1205–13

Serum placental lactogen in mice in relation to day of gestation and number of conceptuses. Markoff E, et al. **Biol Reprod** 1981 May;24(4):846–51

Measurement of placental protein 5, placental lactogen and pregnancy–specific beta 1 glycoprotein in mid–trimester as a predictor of outcome of pregnancy. Salem HT, et al. **Br J Obstet Gynaecol** 1981 Apr;88(4):371–4

Column affinity chromatography for bound/free separation in ligand assays. I. Radioimmunoassay of choriomammotropin (human placental lactogen). Cornale P, et al. **Clin Chem** 1981 Jun;27(6):896–900

Kinetic immunoturbidimetry of human choriomammotropin in serum. Price CP, et al. **Clin Chem** 1981 Jun;27(6):882–7

A two–site immunofluorometric assay for human placental lactogen. Viinikka L, et al. **Clin Chim Acta** 1981 Jul 18; 114(1):1–9

Serial plasma levels of oestriol and HPL in high risk pregnancies. Tolino A, et al. **Clin Exp Obstet Gynecol** 1980; 7(2):89–93

Two forms of rat placental lactogen revealed by radioimmunoassay. Robertson MC, et al. **Endocrinology** 1981 Jun;108(6):2388–90

HPL and estriol serum levels of placental perfusion as indexes of placental function in EPH gestosis and placental insufficiency. Gitsch E, et al. **Gynecol Obstet Invest** 1980; 11(2):102–12

Increase in placental lactogen and somatomedins after nephrectomy. Brinsmead MW, et al. **J Dev Physiol** 1980 Aug;2(4):205–18

Placental lactogen in the goat in relation to stage of gestation, number of fetuses, metabolites, progesterone and time of day. Hayden TJ, et al. **J Endocrinol** 1980 Aug;86(2):279–90

Variations in some of the body fluid hormone levels currently used for endocrine monitoring during the third trimester of pregnancy. Pedretti E, et al. **J Perinat Med** 1981; 9(1):40–7

Comparison of fetal movements and human placental lactogen as predictors of fetal outcome. A prospective study. Leader LR, et al. **S Afr Med J** 1980 Oct 11; 58(15):609–10

Hormonal placental functions and intrauterine growth retardation in patients with positive contraction stress tests. Odendaal HJ, et al. **S Afr Med J** 1981 May 30;59(23):822–4

[Assessment of increased perinatal risk by radioimmunological measurement of chorionic somatomammotropin and plasma renin activity and by localization of the placenta (scintigraphically) and study of ureteroplacental blood circulation] Teodoru GK, et al. **Akush Ginekol (Sofiia)** 1981;20(1):26–34 (Eng. Abstr.) **(Bul)**

[Enzyme–immuno assay for total estrogens and human placental lactogen. Comparison with radio–immuno–assay in normal pregnancy–monitoring (author's transl)] Raichvarg D, et al. **Ann Endocrinol (Paris)** 1980 Sep–Oct; 41(5):387–98 **(Fre)**

[The influence of mode of delivery on retroplacental and peripheral serum concentrations of HPL and SP–1 (author's transl)] Tatra G, et al. **Arch Gynecol** 1980;229(3):253–8 (Eng. Abstr.) **(Ger)**

[Human placental lactogen and free estriol in maternal blood before and after external version of the fetus from breech to vertex presentation near to term (author's transl)] Dudenhausen JW, et al. **Geburtshilfe Frauenheilkd** 1981 Jun; 41(6):407–9 (Eng. Abstr.) **(Ger)**

[The influence of Transcutaneous nerve stimulation (TNS) on hormonal parameters of placental function in cases of placental insufficiency (author's transl)] Kubista E.
Z Geburtshife Perinatol 1981 Jun;185(3):151–4 (Eng. Abstr.) **(Ger)**

[Human placental lactogen, total oestrogen and pregnanediol. a comparison of the clinical relevance on a quantitative basis (author's transl)] Wolfrum R.
Z Geburtshife Perinatol 1980 Feb;184(1):64–9 (Eng. Abstr.) **(Ger)**

[Human placental lactogen (HPL) levels in the maternal serum following long–term intake of xantinol nicotinate (Complamin Retard) (author's transl)] Sérey CT, et al.
Z Geburtshilfe Perinatol 1980 Aug;184(4):283–9 (Eng. Abstr.) **(Ger)**

[Behaviour of human placental lactogen (HPL) following continuous glucose infusion in late pregnancy (author's transl)] Fuhrmann K, et al. **Zentralbl Gynaekol** 1980; 102(18):1031–4 (Eng. Abstr.) **(Ger)**

[Comparative value of biophysical and biochemical parameters in threatened abortion] Tolino A, et al.
Arch Ostet Ginecol 1980 Jan–Apr;85(1–2):13–20 (Eng. Abstr.) **(Ita)**

[Behavior of placental lactogen in vesicular mole] Tolino A, et al. **Arch Ostet Ginecol** 1980 Jan–Apr;85(1–2):39–44 **(Ita)**

[The laboratory in monitoring high–risk pregnancy] Radillo L, et al. **Quad Sclavo Diagn** 1981 Jun;17(2):164–71 (Eng. Abstr.) **(Ita)**

[Serum hCG, hPL and progesterone levels in threatened abortions (author's transl)] Sugita N, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1980 Jul;32(7):851–8 (Eng. Abstr.) **(Jpn)**

[Determination of chorionic gonadotropins and placental lactogen in monitoring of early pregnancy in women with pregestational ovarian insufficiency] Adamcio–Deptulska M, et al. **Ginekol Pol** 1980 May;51(5):411–23 (Eng. Abstr.) **(Pol)**

[Human placental lactogen in the blood in fetal growth retardation] Bila S, et al. **Srp Arh Celok Lek** 1980 Apr; 108(4):317–24 (Eng. Abstr.) **(Scc)**

[Relationship between the biparietal diameter of the fetal head, human placental lactogen (HPL), thermostable alkaline phosphatase, and blood oxytocinase in risk pregnancy] Lukačín S, et al. **Bratisl Lek Listy** 1981 Feb; 75(2):179–84 (Eng. Abstr.) **(Slo)**

DEFICIENCY

Isolated defect in human placental lactogen synthesis in a normal pregnancy. Case report. Borody IB, et al.
Br J Obstet Gynaecol 1981 Apr;88(4):447–9

hPL deficiency with normal estriol levels in a normal pregnancy. Moshirpur J, et al. **Obstet Gynecol** 1981 Jun; 57(6 Suppl):6S–8S

GENETICS

The genes for growth hormone and chorionic somatomammotropin are on the long arm of human chromosome 17 in region q21 to qter. George DL, et al. **Hum Genet** 1981;57(2):138–41

ISOLATION & PURIFICATION

Removal of heme from preparations of human chorionic somatomammotropin. Severini R, et al. **Ital J Biochem** 1980 Jul–Aug;29(4):260–5

Purification and crystallization of the polypeptide hormone human chorionic somatomammotropin. Hunt RE, et al.
J Biol Chem 1981 Jul 10;256(13):7042–5

METABOLISM

Uterine and peripheral blood concentrations of human chorionic gonadotropin and human placental lactogen. Gusdon JP Jr, et al. **Am J Obstet Gynecol** 1981 Mar 15; 139(6):705–7

Induction and maintenance of gonadotropin and lactogen receptors in hypoprolactinemic rats. Huhtaniemi IT, et al. **Endocrinology** 1981 Aug;109(2):483–90

Ovine placental lactogen in the cotyledonary and intercotyledonary placenta of the ewe. Watkins WB, et al. **J Reprod Fertil** 1980 Mar;58(2):411–4

HPL, beta 1SP1–glycoprotein and LAP in the normal and pathological pregnancy. Gamberini G, et al.
Ric Clin Lab 1980 Jan–Mar;10(1):233–7

PHARMACODYNAMICS

Maintenance of receptors for luteinizing hormone by ovine placental lactogen in pseudopregnant rats. Chan JS, et al. **Biol Reprod** 1980 Aug;23(1):60–3

[Effect of human chorionic somatomammotropin on release of glucose by perfused rat liver (author's transl)] Deguchi M, et al. **Acta Obstet Gynaecol Jpn** 1980 Dec; 32(12):1889–906 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Stimulation of 1,25–dihydroxycholecalciferol production by prolactin and related peptides in intact renal cell preparations in vitro. Spanos E, et al.
Biochim Biophys Acta 1981 Jan 7;672(1):7–15

Placental trophic hormones. Marrs RP, et al.
Clin Obstet Gynecol 1980 Sep;23(3):721–35 (42 ref.)

Changing role of placental lactogen and prolactin in human gestation. Tyson JE. **Clin Obstet Gynecol** 1980 Sep; 23(3):737–47 (82 ref.)

In vitro effect of human placental lactogen on steroidogenesis in human placental tissue from early pregnancy. Galhotra MM, et al. **Indian J Physiol Pharmacol** 1980 Jul–Sep; 24(3):183–9

Differential effects of placental lactogen, growth hormone and prolactin on rat liver ornithine decarboxylase activity in the perinatal period. Hurley TW, et al. **Life Sci** 1980 Dec 8;27(23):2269–75

Feto–maternal relationships: the actions and the control of certain placental hormones. Porter DG. **Placenta** 1980 Jul–Sep;1(3):259–74 (85 ref.)

SECRETION

Regulation of placental growth and chorionic somatomammotropin in the rhesus monkey: effects of protein deprivation, fetal anencephaly, and placental vessel ligation. Novy MJ, et al. **Am J Obstet Gynecol** 1981 Jul 1;140(5):552–62

Human placental lactogen release in vitro: paradoxical effects of calcium. Handwerger S, et al. **Am J Physiol** 1981 May; 240(5):E550–5

Inappropriate secretion of human placental lactogen and beta–subunit of human chorionic gonadotropin by cancer of the uterine cervix. Sheth NA, et al. **Gynecol Oncol** 1981 Jun;11(3):321–9

Stimulation by ornithine of ovine placental lactogen secretion. Handwerger S, et al. **J Endocrinol** 1981 Feb; 88(2):283–8

Studies of human chorionic gonadotrophin, placental lactogen, and progesterone secretion in vitro. Shutt DA, et al. **Placenta** 1980 Oct–Dec;1(4):355–9

PLACENTAL PROTEINS see **PREGNANCY PROTEINS**

PLACENTATION

Sex ratio and placentation in twins. James WH.
Ann Hum Biol 1980 May–Jun;7(3):273–6

Luteal development, placentation, and plasma progesterone concentration in the viviparous lizard Sceloporus jarrovi. Guillette LJ Jr, et al. **Gen Comp Endocrinol** 1981 Jan; 43(1):20–9

Early placentation in the dusky leaf monkey (Presbytis obscura). Burton GJ. **Placenta** 1980 Jul–Sep;1(3):187–95

Review article: trophoblast invasion and the establishment of haemochorial placentation in man and laboratory animals. Pijnenborg R, et al. **Placenta** 1981 Jan–Mar; 2(1):71–91 (83 ref.)

[Size of uteroplacental adhesive area and weight of placenta compared with weight of newborn (author's transl)] Emmrich P, et al. **Z Geburtshife Perinatol** 1981 Jun; 185(3):161–4 (Eng. Abstr.) **(Ger)**

[Studies on the clinical significance of the placental implantation site and the change of placental volume by uterine contraction (author's transl)] Hirano K.
Nippon Sanka Fujinka Gakkai Zasshi 1980 Jul;32(7):936–44 (Eng. Abstr.) **(Jpn)**

PLAGUE

DIAGNOSIS

Plague in a neonate. White ME, et al. **Am J Dis Child** 1981 May;135(5):418–9

The use of solid–phase radioimmunoassay techniques for serodiagnosis of human plague infection. Hudson BW, et al. **Bull Pan Am Health Organ** 1980;14(3):244–50

Bubonic plague in pregnancy. Coppes JB. **J Reprod Med** 1980 Aug;25(2):91–5

HISTORY

The extinction of bubonic plague in Britain. Bayliss JH. **Endeavour** 1980;4(2):58–66

Ivan Vien and the first comprehensive plague tractate in Russian. Alexander JT. **Med Hist** 1980 Oct;24(4):419–31

Seasonality of plague in early modern Europe: Swiss epidemic of 1628—1630. Eckert EA. **Rev Infect Dis** 1980 Nov–Dec;2(6):952–9

The Black Death in England. Sloan AW. **S Afr Med J** 1981 Apr 25;59(18):646–50

[August Hirsch's epidemiological trip on the Volga in 1879 (an example of Russian–German cooperation in the medical field)] Wagner D. **Z Gesamte Hyg** 1980;26(5):377–8 (Eng. Abstr.) **(Ger)**

[The greatest enemy of mankind: the plague] Caffaratto TM. **Minerva Ginecol** 1980 Oct;32(10):945–7 **(Ita)**

[Quarantine service and anti–epidemic measures in the Ukraine during the 18th century] Borodil NK.
Zh Mikrobiol Epidemiol Immunobiol 1980 May;(5):117–20 **(Rus)**

IMMUNOLOGY

[Valency of antigenic erythrocyte diagnosticums and serum antibody affinity] Levi MI.
Zh Mikrobiol Epidemiol Immunobiol 1980 May;(5):90–7 (Eng. Abstr.) **(Rus)**

[Patterns in the reactions between monovalent antigens and antibodies] Levi MI.
Zh Mikrobiol Epidemiol Immunobiol 1980 Oct;(10):76–84 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

[Lysogeny by phages specific to Yersinia pestis in bacteria

of the microbiocenoses of wild plague-carrying rodents] Dorozhko OV, et al.
Zh Mikrobiol Epidemiol Immunobiol 1980 Aug;(8):38–46 (Eng. Abstr.) **(Rus)**
[Persistence of L-forms of plague bacteria in experimental animals] Dunaev GS, et al.
Zh Mikrobiol Epidemiol Immunobiol 1981 Feb;(2):19–22 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Plague in Central Java, Indonesia. Williams JE, et al.
Bull WHO 1980;58(3):459–65
Surveillance of small mammals and their flea-indices in plague endemic area at Boyolali, Central Java, Indonesia. Kusharyono C, et al. **Int J Zoonoses** 1980 Jun;7(1):1–14
Human plague cases increasing slightly in US [news]
JAMA 1980 Oct 17;244(16):1764
Human plague -- Texas, New Mexico. **MMWR** 1981 Apr 3;30(12):137–8

PREVENTION & CONTROL

Recommendations for the control of Yersinia pestis infections. Recommendations from the CDC. White ME, et al. **IC Infect Control** 1980 Sep–Oct;1(5):324–9
[Methodological problems of assessing rodent eradication as measures of plague prevention] Soldatkin IS, et al.
Med Parazitol (Mosk) 1981 May–Jun;50(3):44–8 **(Rus)**
[Immunologic activity of the 'murine' toxin of the plague microbe in experiments on animals] Evstigneev VI, et al.
Zh Mikrobiol Epidemiol Immunobiol 1981 Mar;(3):39–42 **(Rus)**
[Experimental basis for associated subcutaneous jet injection immunization against plague and smallpox] Gapochko KG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jan;(1):65–9 (Eng. Abstr.) **(Rus)**
[Jet immunization with polyvalent vaccine against plague, tularemia, and anthrax] Loktev NA, et al.
Zh Mikrobiol Epidemiol Immunobiol 1980 Jun;(6):109–10 **(Rus)**

RADIOGRAPHY

Radiographic manifestations of plaque in New Mexico, 1975–1980. A review of 42 proved cases. Alsofrom DJ, et al. **Radiology** 1981 Jun;139(3):561–5

TRANSMISSION

Interhuman transmission of medieval plague. Ell SR.
Bull Hist Med 1980 Winter;54(4):497–510
Human plague associated with domestic cats--California, Colorado. **MMWR** 1981 Jun 12;30(22):265–6
Some evidence for interhuman transmission of medieval plague. Ell SR. **Rev Infect Dis** 1979 May–Jun;1(3):563–6

VETERINARY

[Discovery of a new focus of zoonotic plague in the eastern Azarbaidjan region of Iran] Karimi P.
Bull Soc Pathol Exot Filiales 1980 Jan–Feb;73(1):28–35 (Eng. Abstr.) **(Fre)**

PLAGUE VACCINE

ADMINISTRATION & DOSAGE

[Experimental basis for associated subcutaneous jet injection immunization against plague and smallpox] Gapochko KG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jan;(1):65–9 (Eng. Abstr.) **(Rus)**

PLANIGRAPHY, X-RAY see **TOMOGRAPHY, X-RAY**

PLANKTON

see related
EUTROPHICATION

Electronic flash sources and films for plankton photography. Edgerton HE. **J Biol Photogr** 1981 Jan;49(1):25–6
[Effect of krill feeding on the animal organism] Mróz K.
Czas Stomatol 1981 Feb;34(2):155–8 (15 ref.) **(Pol)**
[Seawater microflora study in regions of the Antarctic krill trade] Grigor'ev IuI. **Gig Sanit** 1981 Jan;(1):61–2 **(Rus)**

ANALYSIS

Molecular weight fractionation of dissolved organic matter (DOM) released by phytoplankton. Chróst RJ, et al.
Acta Microbiol Pol 1980;29(2):79–88

ANATOMY & HISTOLOGY

[Interrelation between the sexual and digestive systems of chaetognaths (Chaetognatha)] Mishin VL.
Arkh Anat Gistol Embriol 1980 Dec;79(12):63–7 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Acute impact of an organophosphorus insecticide on microbes and small invertebrates of a mangrove estuary. Newell SY, et al. **Arch Environ Contam Toxicol** 1981 Jul; 10(4):427–35
Effects of heavy metals in combination with NTA, humic acid, and suspended sediment on natural phytoplankton photosynthesis. Hongve D, et al.
Bull Environ Contam Toxicol 1980 Oct;25(4):594–600
An interpretative literature analysis evaluating the effects of power plant chlorination on freshwater organisms. Hall LW Jr, et al. **CRC Crit Rev Toxicol** 1981;9(1):1–20 (80 ref.)
Fate and effects of mercury in marine plankton communities in experimental enclosures. Kuiper J.
Ecotoxicol Environ Safety 1981 Mar;5(1):106–34

GROWTH & DEVELOPMENT

The effect of inorganic and organic mercury on growth kinetics of Nitzschia accicularis W. Sm. and Tetraselmis suecica Butch. Mora B, et al. **Can J Microbiol** 1980 Aug; 26(8):930–7
[Planktonic and bacterial population dynamics during experimental production of natural marine phytoplankton. II. Structure and physiology of populations and their interactions.] Lelong PP, et al. **Can J Microbiol** 1980 Mar; 26(3):297–307 (Eng. Abstr.) **(Fre)**

METABOLISM

Oxygen consumption of zooplankton as affected by laboratory and field cadmium exposures. Kettle WD, et al. **Bull Environ Contam Toxicol** 1980 Oct;25(4):547–53
Photosynthetic activities of phytoneuston and phytoplankton. Albright LJ. **Can J Microbiol** 1980 Mar;26(3):389–92
Heterotrophic activities of bacterioplankton and bacteriobenthos. Chocair JA, et al. **Can J Microbiol** 1981 Mar;27(3):259–66
[Model of metabolic regulation in a system of 2 competitive populations and a possible mechanism for maintaining species differences among phytoplankton] Dombrovskii IuA. **Biofizika** 1981 Jan–Feb;26(1):124–8 **(Rus)**

PLANNED PARENTHOOD see **FAMILY PLANNING**

PLANNING, HEALTH AND WELFARE see **HEALTH PLANNING**

PLANNING, HEALTH FACILITY see **HEALTH FACILITY PLANNING**

PLANNING TECHNICS

see related
HEALTH PLANNING
SOCIAL PLANNING

Organizational development through strategic management planning. Smith CM, et al. **Ala J Med Sci** 1981 Jan; 18(1):23–5
Planning is the key to successful QA programs. Marshik-Gustafson J, et al. **Hospitals** 1981 Jun 1; 55(11):67–8, 71–3

PLANNING THEORIES see **PLANNING TECHNICS**

PLANT AGGLUTININS see **LECTINS**

PLANT DISEASES

Cytopathic effects of oat sterile dwarf virus in enation cells of oat leaves. Brčák J, et al. **Acta Virol (Praha)** 1980 Sep; 24(5):346–50
Plant-virus interactions related to resistance and localization of viral infections. Sela I. **Adv Virus Res** 1981;26:201–37
Nutritional requirements and biochemical activities of pineapple pink disease bacterial strains from Hawaii. Cho JJ, et al. **Antonie Van Leeuwenhoek** 1980;46(2):191–204
Differences in the biochemical compositions and elicitor activity of extracellular components produced by three races of a fungal plant pathogen, Colletotrichum lindemuthianum. Anderson AJ. **Can J Microbiol** 1980 Dec; 26(12):1473–9
Morphological comparison of isolates of Phakopsora pachyrhizi from different areas of the world. Bonde MR, et al. **Can J Microbiol** 1980 Dec;26(12):1443–9
Recommended practices for the prevention of mycotoxins in food, feed and their products.
FAO Food Nutr Pap Ser 1979;(10):1–71
Effect of foliar application of antibiotics and gibberellic acid on the rhizosphre microflora of pea, infected with Verticillium dahliae. Ramarao P, et al.
Folia Microbiol (Praha) 1980;25(4):337–40
Surface layers of Xanthomonas malvacearum, the cause of bacterial blight of cotton. Verma JP, et al.
Folia Microbiol (Praha) 1981;26(2):120–3
Nutritional & toxicological evaluation of 'karnal bunt' affected wheat. Bhat RV, et al. **Indian J Exp Biol** 1980 Nov;18(11):1333–5
Persistence of chlorothalonil on grapes and its effect on disease control and fruit quality. Northover J, et al.
J Agric Food Chem 1980 Sep–Oct;28(5):971–4
Relationship of plasmids responsible for hairy root and crown gall tumorigenicity. White FF, et al. **J Bacteriol** 1980 Nov; 144(2):710–20
Extracytoplasmic tubules in leafroll-infected and leafroll-free potato leaf tissue. Shepardson S, et al.
J Ultrastruct Res 1980 Jul;72(1):47–51
Immunochemical detection of ds-RNA in healthy and virus-infected plants and specific detection of viral ds-RNA by hybridization to labelled complementary DNA. Gould AR, et al. **J Virol Methods** 1981 Apr; 2(5):277–86
Effect of pigeon pea (Arhar) mosaic virus strains (AMM & ASM) on the extractable leaf protein of Arhar, Cajanus cajan L. Millisp. Singh AK. **Riv Biol** 1980 Winter; 73(4):585–8
Influence of mung bean severe mosaic virus infection on growth, nodulation, nodular physiology and nitrogen fixation of mung bean. Singh R, et al. **Riv Biol** 1979 Jul–Dec;72(3–4):203–17
Changes in chlorophyll and primary productivity of pea (Pisum sativum l.) leaves as influenced by arhar (pigeon pea) mosaic virus infection. Singh RB, et al. **Riv Biol** 1979 Jul–Dec;72(3–4):183–8
Viroids. Diener TO. **Sci Am** 1981 Jan;244(1):66–73
Amino acid constituents of inflorescence tissue of crucifers in health and disease, due to Albugo candida (Pers.) Kuntze. Lal BB, et al. **Zentralbl Bakteriol [Naturwiss]** 1980; 135(3):240–5
The dynamics of amino acid variations during pathogenesis and host resistance. Prasad M.
Zentralbl Bakteriol [Naturwiss] 1980;135(2):162–84 (157 ref.)
[Mechanisms of plant resistance against virus infection (author's transl)] Bujarski JJ. **Postepy Biochem** 1980; 26(3):477–97 **(Pol)**
[Pseudomonas atrofaciens, the main causative agent of spring wheat rot in the Ukrainian forest steppe] Min'ko ND, et al. **Mikrobiol Zh** 1980 Jul–Aug;42(4):415–9 **(Rus)**
[Testing the virulence of nodule bacteria cultivated on the embryos of leguminous plants] Maistrenko GG.
Mikrobiologiia 1980 Sep–Oct;49(5):825–7 (Eng. Abstr.) **(Rus)**
[Induction of plant resistance to the tobacco mosaic virus with a double-stranded poly(G)-poly(C) complex] Kovalenko AG, et al. **Vopr Virusol** 1980 May–Jun;(3):364–8 (Eng. Abstr.) **(Rus)**

PLANT EXTRACTS

Selected bibliography on khat. **Bull Narc** 1980;32(3):95–9
Catha edulis (khat): some introductory remarks. **Bull Narc** 1980;32(3):1–3
Khat: pharmacognostical aspects. Nordal A. **Bull Narc** 1980; 32(3):51–64
New trends in the separation of active principles from plants. Galeffi C. **J Ethnopharmacol** 1980 Jun;2(2):129–34
Traditional medicine in health care. Sayed MD.
J Ethnopharmacol 1980 Mar;2(1):19–22
[Phytochemical investigation of Coronilla varia L. II. Other substances form the genus Coronilla] Sovová M, et al.
Cesk Farm 1979 Dec;28(9–10):421–4 **(Cze)**
[Comparative neurophysiologic studies using valtratum/isovaltratum and valerian extract in cats] Holm E, et al. **Med Welt** 1980 Jun 27;31(26):982–90 **(Ger)**
[Teecura – tea for the prevention of urinary calculi recurrence] Bach D, et al. **ZFA (Stuttgart)** 1981 May 20; 57(14):1113–8 **(Ger)**
[Prevention of upper respiratory tract infections by means of drug aerosols] Rodin VI, et al. **Vestn Otorinolaringol** 1980 Nov–Dec;(6):60–4 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Preseasonal intranasal immunotherapy with nebulized short ragweed extract. Welsh PW, et al.
J Allergy Clin Immunol 1981 Mar;67(3):237–42
[Increased effectiveness of high-dose salicylate cream by iontophoresis] Mayerhofer H. **ZFA (Stuttgart)** 1981 Mar 20;57(8):633–6 **(Ger)**

ADVERSE EFFECTS

Miraa (catha edulis) as a cause of psychosis. Dhadphale M, et al. **East Afr Med J** 1981 Feb;58(2):130–5

ANALYSIS

Acetylcholine-like activity in the fruit of the black nightshade (Solanaceae). de Melo AC, et al.
Acta Physiol Lat Am 1978;28(4–5):19–26
Rapid gas-liquid chromatography of phosphate and plant organic acids. Janauer GA, et al. **Anal Biochem** 1980 Sep 1;107(1):136–9
Fractionation of plant extracts using ion-exchange Sephadex. Redgwell RJ. **Anal Biochem** 1980 Sep 1;107(1):44–50
Conclusions and recommendations of the Expert Group on the Botany and Chemistry of Khat. **Bull Narc** 1980; 32(3):65–6
The cathedulin alkaloids. Crombie L. **Bull Narc** 1980; 32(3):37–50
The chemistry of khat. Szendrei K. **Bull Narc** 1980;32(3):5–35
Analysis of psilocybin and psilocin in mushroom extracts by reversed-phase high performance liquid chromatography. Thomson BM. **J Forensic Sci** 1980 Oct;25(4):779–85
Plant anticancer agents. X. Lignans from Juniperus phoenicea. Cairnes DA, et al. **J Nat Prod** 1980 Jul–Aug; 43(4):495–7
Chemical investigation and biological screening of the stem of Rhododendron anthopogon (D. Don.). Joshi YC, et al.
Pharmazie 1981 May;36(5):381
[Chemical studies of san-chi Panax notoginseng (Burk.) F. H. Chen. I. Studies on the constituents of San-Chi root hairs] Wei JX, et al. **Yao Hsueh Hsueh Pao** 1980 Jun;

15(6):359–64 (Eng. Abstr.) **(Chi)**

[Chemical investigation of Chinese medicinal herb, bao gong teng. I. The isolation and preliminary study on a new miotic constituent, bao gong teng A (author's transl)] Yao TR, et al. **Yao Hsueh Hsueh Pao** 1979 Dec;14(12):731–5 (Eng. Abstr.) **(Chi)**

[Morphological and histological studies on the Chinese drug tien–hwa–feng(radix trichosanthis), its adulterants and substitutes (author's transl)] Yue CX, et al. **Yao Hsueh Hsueh Pao** 1979 Nov;14(11):641–54 (Eng. Abstr.) **(Chi)**

[Preparation and determinations of galenical forms from Anemone pulsatilla (author's transl)] Pourrat A, et al. **J Pharm Belg** 1980 Jul–Aug;35(4):277–80 (Eng. Abstr.) **(Fre)**

[Studies on the constituents in the water extracts of crude drugs. III. On the roots of Stellaria dichotoma L. var. lanceolata Bge. (author's transl)] Yasukawa K, et al. **Yakugaku Zasshi** 1981 Jan;101(1):64–6 (Eng. Abstr.) **(Jpn)**

[Antigenic properties of the allergoid from ragweed pollen] Raĭkis BN, et al. **Biull Eksp Biol Med** 1980 Aug;90(8):197–8 (Eng. Abstr.) **(Rus)**

[Macro– and microelement composition of root extracts of Rhodiola rosea (golden root)] Komar VV, et al. **Farm Zh** 1980 Jun;(3):58–60 (Eng. Abstr.) **(Ukr)**

BIOSYNTHESIS

Lignan formation in man––microbial involvement and possible roles in relation to cancer. Setchell KD, et al. **Lancet** 1981 Jul 4;2(8236):4–7

CHEMICAL SYNTHESIS

[Synthesis of Schizandrin C analogs (author's transl)] Xie JX, et al. **Yao Hsueh Hsueh Pao** 1981 Apr;16(4):306–9 (Eng. Abstr.) **(Chi)**

IMMUNOLOGY

[The immuno–pharmacology of flores Gonatanthus pumilus (author's transl)] Yu YW, et al. **Yao Hsueh Hsueh Pao** 1980 Jan;15(1):7–17 (Eng. Abstr.) **(Chi)**

[Plant antigens with immunological properties. III. Separation of a biologically active fraction in a grass pollen extract] Giuliani A, et al. **Ann Sclavo** 1980 Jul–Aug; 22(4):681–9 (Eng. Abstr.) **(Ita)**

ISOLATION & PURIFICATION

Template–specific inhibitor for DNA polymerase isolated from cauliflower inflorescence. Chou MY, et al. **Biochim Biophys Acta** 1981 Jan 29;652(1):48–54

Problems involved in structure determination of active principles of plants used in traditional medicine: extraction, separation and determination of characteristics of active principles. Salemink CA. **J Ethnopharmacol** 1980 Jun; 2(2):135–43

Medicinal and toxic plants from Equato:ial Africa: a pharmacologic approach. Sandberg F. **J Ethnopharmacol** 1980 Jun;2(2):105–8

[A pharmacological study of the Chinese drug lingzhi (ganoderma) (author's transl)] Chen JH, et al. **Yao Hsueh Hsueh Pao** 1980 Apr;15(4):234–44 (Eng. Abstr.) **(Chi)**

[Botanical and pharmacognostical studies of the Chinese drug Wei–ling–xian (author's transl)] Li JS, et al. **Yao Hsueh Hsueh Pao** 1980;15(5):288–97 (Eng. Abstr.) **(Chi)**

[A study on the chemical constituents of the leaves of the Ilex pubescens Hook et Arn var glaber Chang. III. Elucidation of the structure of glaberide I. A new lignan compound (author's transl)] Qin WJ, et al. **Yao Hsueh Hsueh Pao** 1980 Nov;15(11):699–73 (Eng. Abstr.) **(Chi)**

[Chemical investigation of Chinese medicinal herb, bao gong teng. I. The isolation and preliminary study on a new miotic constituent, bao gong teng A (author's transl)] Yao TR, et al. **Yao Hsueh Hsueh Pao** 1979 Dec;14(12):731–5 (Eng. Abstr.) **(Chi)**

[Studies on chemical constituents of dengzhanhua (Erigeron breviscapus (Vant.) Hand–Mazz). I. The isolation and identification of pyromeconic acid and a new glucoside (author's transl)] Zhang RW, et al. **Yao Hsueh Hsueh Pao** 1981 Jan;16(1):68–9 (Eng. Abstr.) **(Chi)**

[Optimization of the extraction process in obtaining a dry extract of the leaves of Aralia mandshurica] Dzhumaeva TI. **Farmatsiia** 1980 May–Jun;29(3):17–21 **(Rus)**

METABOLISM

The excretion of lignans in rats –– evidence for an intestinal bacterial source for this new group of compounds. Axelson M, et al. **FEBS Lett** 1981 Jan 26;123(2):337–42

A pharmacological aspect of the aqueous extract of Alstonia boonei (De Wild). Faparusi SI, et al. **Rev Bras Biol** 1980 Aug;40(3):639–42

PHARMACODYNAMICS

Screening of Iranian plants for antimicrobial activity. Aynehchi Y, et al. **Acta Pharm Suec** 1980;17(6):341–6

Pharmacological screening of the aqueous extracts of Magnolia grandiflora L. Mellado V, et al. **Arch Invest Med (Mex)** 1980;11(3):335–46 **(Eng, Spa)**

Influence of mustard oil on cholesterol–induced atherosclerosis in albino rabbits [letter] Thakur CP, et al. **Atherosclerosis** 1981 Jun;39(3):437–8

Experiments with banana trunk juice as a neuromuscular blocker. Lee SK, et al. **Aust J Exp Biol Med Sci** 1980 Dec;58(6):591–4

Effects of hypercholesterolemia and onions on rheology of blood in rabbits. Vatsala TM, et al. **Biorheology** 1980; 17(3):261–6

Review of the pharmacology of khat. Report of a WHO advisory group. **Bull Narc** 1980;32(3):83–93

Behavioural effects of cathinone, an amine obtained from Catha edulis Forsk.: comparisons with amphetamine, norpseudoephedrine, apomorphine and nomifensine. Zelger JL, et al. **Bull Narc** 1980;32(3):67–81

Effect of extract from Rhei rhizoma on urea–nitrogen concentration in rat serum. Nagasawa T, et al. **Chem Pharm Bull (Tokyo)** 1980 Jun;28(6):1736–9

Effect of extract from Paeoniae Radix on urea–nitrogen concentration in rat serum. I. Shibutani S, et al. **Chem Pharm Bull (Tokyo)** 1981 Mar;29(3):874–8

A purified extract from cotton bracts induces airway constriction in humans. Buck MG, et al. **Chest** 1981 Apr; 79(4 Suppl):43S–49S

The antigonadotropic activity of Lithospermum ruderale. II. The inhibition of LRF–induced gonadotropin release in vitro. Findley WE. **Contraception** 1981 Feb;23(2):157–62

Antifertility activity of Montanoa tomentosa (Zoapatle). Hahn DW, et al. **Contraception** 1981 Feb;23(2):133–40

Deglycyrrhizinised liquorice (DGL) and the renewal of rat stomach epithelium. van Marle J, et al. **Eur J Pharmacol** 1981 Jun 19;72(2–3):219–25

The effect of extracts from Radix saponariae on Paramecium primaurelia and Lepidium sativum L. Oświecimska M, et al. **Folia Biol (Krakow)** 1980;28(2):163–9

Sensitivity of Paramecium primaurelia and Lepidium sativum to extracts from Folium urticae. Oświecimska M, et al. **Folia Biol (Krakow)** 1980;28(3):245–51

Histological evidence of protection by Indigofera tinctoria Linn. against carbontetrachloride induced hepatotoxicity––an experimental study. Anand KK, et al. **Indian J Exp Biol** 1981 Mar;19(3):298–300

Hypocholesterolemic effect of red pepper & capsaicin. Sambaiah K, et al. **Indian J Exp Biol** 1980 Aug;18(8):898–9

Effect of LIV–52 on liver lipids. Saxena A, et al. **Indian J Exp Biol** 1980 Nov;18(11):1330–1

Effect of feeding mustard oil to rats on mitochondrial lipid profile of heart tissue. Sen A, et al. **Indian J Exp Biol** 1980 Sep;18(9):1012–5

Tumorigenic effect of aqueous & polyphenolic fractions of betel nut in Swiss strain mice. Shivapurkar NM, et al. **Indian J Exp Biol** 1980 Oct;18(10):1159–61

Antifertility effects of Malvaviscus conzattii greenm flower extract (sc) on male albino mice. Verma OP, et al. **Indian J Exp Biol** 1980 Jun;18(6):561–4

Antifertility activity of Lygodium flexosum. Gaitonde BB, et al. **Indian J Med Res** 1980 Oct;72:597–604

Cucumis trigonus Roxb. II. Diuretic activity. Naik VR, et al. **J Ethnopharmacol** 1981 Jan;3(1):15–9

Antifungal activity of the alcoholic extract of coconut shell – Cocos nucifera Linn. Venkataraman S, et al. **J Ethnopharmacol** 1980 Sep;2(3):291–3

Phototoxic and antibiotic activities of plants of the Asteraceae used in folk medicine. Wat CK, et al. **J Ethnopharmacol** 1980 Sep;2(3):279–90

Chemical composition and biological activity of the Tanzanian plant Ocimum suave. Chogo JB, et al. **J Nat Prod** 1981 May–Jun;44(3):308–11

Antibiotic principle of Eupatorium capillifolium. Rao KV, et al. **J Nat Prod** 1981 May–Jun;44(3):252–6

A preliminary study of hypoglycemic activity of Lythrum salicaria. Torres IC, et al. **J Nat Prod** 1980 Sep–Oct; 43(5):559–63

Biological and phytochemical investigation of plants XVI: Strumpfia maritima (Rubiaceae). Hsu CC, et al. **J Pharm Sci** 1981 Jun;70(6):682–3

Antiinflammatory principles of Aconitum roots. Hikino H, et al. **J Pharmacobiodyn** 1980 Oct;3(10):514–25

Studies on the effect of plant seed extracts on different isolates of Pseudomonas aeruginosa. Chatterjee PC, et al. **Jpn J Exp Med** 1980 Aug;50(4):263–5

Biologic properties of iscador: a Viscum album preparation I. Hyperplasia of the thymic cortex and accelerated regeneration of hematopoietic cells following X–irradiation. Rentea R, et al. **Lab Invest** 1981 Jan; 44(1):43–8

Experiments with banana trunk juice as a neuromuscular blocker. Lee Siew Kheong, et al. **Med J Malaysia** 1980 Jun;34(4):423–5

Depressant action of averrhoa carambola. Muir CK, et al. **Med J Malaysia** 1980 Mar;34(3):279–80

Identification of the antiplatelet substance in chinese black tree fungus [letter] Markheja AN, et al. **N Engl J Med** 1981 Jan 15;304(3):175

Influence of lipidic plant extracts on cells kinetics during carrageenin–induced inflammation of guinea pig palatal mucosa. Daniel A, et al. **Pathol Biol (Paris)** 1980 Dec; 28(10):661–4

The anorexic and actometric effects of cocaine and two coca extracts. Bedford JA, et al. **Pharmacol Biochem Behav** 1980 Sep;13(3):403–8

The effects cocaine free extracts of the coca leaf on food consumption and locomotor activity. Bedford JA, et al. **Pharmacol Biochem Behav** 1981 May;14(5):725–8

Antifertility effects of fruits of Juniperus communis. Agrawal OP, et al. **Planta Med** 1980;Suppl:98–101

A preliminary study of hypoglycemic activity of Rubus fruticosus. Alonso R, et al. **Planta Med** 1980;Suppl:102–6

Effects of Cannabis sativa extract on testicular function of Presbytis entellus entellus. Dixit VP. **Planta Med** 1981 Mar; 41(3):288–94

Antispasmodic effects of some medicinal plants. Forster HB, et al. **Planta Med** 1980 Dec;40(4):309–19

Hypotensive principle of Laminaria and allied seaweeds. Funayama S, et al. **Planta Med** 1981 Jan;41(1):29–33

Antifertility effects of chronically administered Malvaviscus conzattii flower extract on male albino mice. Joshi BC, et al. **Planta Med** 1981 Mar;41(3):274–80

Inhibition of passive cutaneous anaphylaxis by compounds of Camellia sinensis. Kar K, et al. **Planta Med** 1981 May; 42(1):75–8

An insect antifeedant and antimicrobial agent from Plumbago capensis. Kubo I, et al. **Planta Med** 1980;Suppl:185–7

Anti–inflammatory and antipyretic activities of Azadirachta indica. Okpanyi SN, et al. **Planta Med** 1981 Jan;41(1):34–9

Bioassay of crude drugs for hair growth promoting activity in mice by a new simple method. Tanaka S, et al. **Planta Med** 1980;Suppl:84–90

Pharmacological and chemical investigation of thyme liquid extracts. Van den Broucke CO, et al. **Planta Med** 1981 Feb;41(2):129–35

Study of a cardiotonic fraction from an extract of the seaweed. Undaria pinnatifida. Searl PB, et al. **Proc West Pharmacol Soc** 1981;24:63–5

Smooth muscle stimulating substances in the stinging nettle tree Obetia pinnatifida. Maitai CK, et al. **Toxicon** 1981; 19(1):186–8

[Electrophysiological studies on the antiarrhythmic effect of the water extract of valerian (author's transl)] Wang YL, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1979; 7(4):275–82 (Eng. Abstr.) **(Chi)**

[Effect of Radix salviae miltiorrhize on blood volume of forearm following fracture of radius in rabbits (author's transl)] Hu MZ. **Chung Hua Wai Ko Tsa Chih** 1979; 17(1):33–6 **(Chi)**

[Cardiotonic action of Periploca calophylla (Wight.) Falconer] Deng SX, et al. **Yao Hsueh Hsueh Pao** 1980 Apr; 15(4):245–7 (Eng. Abstr.) **(Chi)**

[Pharmacology of Corchorus Linn. I. Alcoholic extract and glycoside of the seeds of Corchorus acutangulus] Huang QZ, et al. **Yao Hsueh Hsueh Pao** 1980 Apr;15(4):193–7 (Eng. Abstr.) **(Chi)**

[Study of beta–adrenergic receptor blocking effect of extract of root Pueraria pseudo–hirsuta (author's transl)] Lu XR, et al. **Yao Hsueh Hsueh Pao** 1980 Apr;15(4):218–22 (Eng. Abstr.) **(Chi)**

[Studies on the constituents of hong han lian (Hypericum ascyron L.)] Wang ZQ, et al. **Yao Hsueh Hsueh Pao** 1980 Jun;15(6):365–7 (Eng. Abstr.) **(Chi)**

[The effect of Dang–Gui (Angelica sinensis) and its ingredient ferulic acid on rat platelet aggregation and release of 5–HT (author's transl)] Yin ZZ, et al. **Yao Hsueh Hsueh Pao** 1980 Jun;15(6):321–6 (Eng. Abstr.) **(Chi)**

[Pharmacological effects of an extract of Panax notogienseng (Burk.) F H Chen on the heart (author's transl)] Zhuang ZZ, et al. **Yao Hsueh Hsueh Pao** 1980 Jul;15(7):385–90 (Eng. Abstr.) **(Chi)**

[Preliminary pharmacological studies on Feretia apodanthera Del (author's transl)] Bailleul F, et al. **Ann Pharm Fr** 1981 Jun;39(2):111–7 **(Fre)**

[Capillary permeability in the objective evaluation of a venotonic agent] Gounon P. **Phlebologie** 1980 Jul–Sep; 33(3):569–74 **(Fre)**

[Stimulation of the phagocytic activity of R.E.S. by plant extracts (author's transl)] Delaveau P, et al. **Planta Med** 1980 Sep;40(1):49–54 (Eng. Abstr.) **(Fre)**

[Muscle relaxant and cardiac effects of an alkaloidal extract from Strychnos icaja (author's transl)] Kambu K, et al. **Planta Med** 1980 Dec;40(4):356–60 (Eng. Abstr.) **(Fre)**

[Antihemolytic effect of xylitol isolated from the bark of Carica papaya] Pousset JL, et al. **Planta Med** 1981 Jan; 41(1):40–7 (Eng. Abstr.) **(Fre)**

[Reactions of in vitro cultures of human fibroblasts, of HeLa–cells and of murine L–cells on application of a drug from Viscum album L. (author's transl)] Ulrich W, et al. **Arzneimittelforsch** 1980;30(10):1722–5 (Eng. Abstr.) **(Ger)**

[Spasmolytic and contractile effects of a combination product from plants on the smooth muscle of the guinea pigs] Westendorf J, et al. **Arzneimittelforsch** 1981;31(1):40–3 (Eng. Abstr.) **(Ger)**

[Comparative studies on the sedative action of Valeriana extracts, valepotriates and their degradation products (author's transl)] Wagner H, et al. **Planta Med** 1980 Aug; 39(4):358–65 (Eng. Abstr.) **(Ger)**

[A new antiphlogistic principle from Sabal serrulata, I (author's transl)] Wagner H, et al. **Planta Med** 1981 Mar; 41(3):244–51 (Eng. Abstr.) **(Ger)**

[Activity and metabolism in the rat of compounds from the bark of and synthetic products with anthraquinone structures] Longo R. **Boll Chim Farm** 1980 Nov; 119(11):669–89 (Eng. Abstr.) **(Ita)**

[Influence of food browning on nutrition. IV. Effect on trypsin action on a synthetic substrate (author's transl)]

Kaga A. **Hokkaido Igaku Zasshi** 1980 Jan;55(1):41–5 (Eng. Abstr.) **(Jpn)**

[Anti-tumor activities of some lichen products and their degradation products (author's transl)] Hirayama T, et al. **Yakugaku Zasshi** 1980 Jul;100(7):755–9 (Eng. Abstr.) **(Jpn)**

[Antimicrobial action of cranberry bush, common yarrow and Achillea biebersteinii] Ibragimov DI, et al. **Antibiotiki** 1981 Feb;26(2):108–9 **(Rus)**

[Antimicrobial activity and toxicity of the antibiotic, bakuchiol] Prikhod'ko VA, et al. **Mikrobiol Zh** 1980 Sep–Oct;42(5):646–50 (Eng. Abstr.) **(Rus)**

[Comparative activity and mechanism of action of petroctin and flamin] Iesypenko BIe, et al. **Farm Zh** 1980 Jun; (3):49–55 **(Ukr)**

POISONING

Toxicity with intravenous injection of crude marijuana extract. Vaziri ND, et al. **Clin Toxicol** 1981;18(3):353–66

[Atropine poisoning from 'health tea'] Scholz H, et al. **Fortschr Med** 1980 Oct 16;98(39):1525–6 (Eng. Abstr.) **(Ger)**

[Pseudo-Conn's syndrome after habitual ingestion of liquorice. Report on various clinical cases] Cuspidi C, et al. **Minerva Med** 1981 Apr 2;72(13):825–30 (Eng. Abstr.) **(Ita)**

STANDARDS

Effect of preservatives and conditions of storage on the potency of allergy extracts. Nelson HS. **J Allergy Clin Immunol** 1981 Jan;67(1):64–9

THERAPEUTIC USE

A study of bulking agents in elderly patients. Smith RG, et al. **Age Ageing** 1980 Nov;9(4):267–71

Hyposensitization in childhood hay fever. A comparison of refined and whole timothy extracts. Kjellman NI, et al. **Allergy** 1980 Jun;35(4):323–34

Effect of Radix Astragali seu Hedysari on the interferon system. Hou YD, et al. **Chin Med J [Engl]** 1981 Jan; 94(1):35–40

Influence of an Indian medicine (Ashwagandha) on acute-phase reactants in inflammation. Anbalagan K, et al. **Indian J Exp Biol** 1981 Mar;19(3):245–9

Screening of Indian plants for biological activity: Part IX. Dhawan BN, et al. **Indian J Exp Biol** 1980 Jun; 18(6):594–606

A double-blind clinical trial of Arogya-wardhani—an ayurvedic drug—in acute viral hepatitis. Antarkar DS, et al. **Indian J Med Res** 1980 Oct;72:588–93

Evaluation of neoalleviase (NA–1700) in heroin detoxification: preliminary report on toxicity and efficacy including prophylactic measure in mice and clinical study. Sang JB, et al. **Int J Addict** 1980;15(6):883–7

Effects of Commiphora Mukul (Guggul) in experimentally induced hyperlipemia and atherosclerosis. Baldwa VS, et al. **J Assoc Physicians India** 1981 Jan;29(1):13–7

Oral hypoglycaemic plants in West Africa. Bever BO. **J Ethnopharmacol** 1980 Jun;2(2):119–27 (17 ref.)

The present status of knowledge of the plants used in traditional medicine in Western Africa: a medical approach and a chemical evaluation. Sofowora A. **J Ethnopharmacol** 1980 Jun;2(2):109–18

Studies on Sudanese medicinal plants. II. Evaluation of an extract of Lupinus termis seeds in chronic eczema. Antoun MD, et al. **J Nat Prod** 1981 Mar–Apr;44(2):179–83

Some remarks on Pityriasis versicolor and its treatment in Liberia (West-Africa). Lazar V. **Mykosen** 1980 Mar; 23(3):140

Effect of a hydrophilic mucilage in the treatment of obese patients. Enzi G, et al. **Pharmatherapeutica** 1980;2(7):421–8

The antirachitic activity of Solanum glaucophyllum leaves. Puche RC, et al. **Planta Med** 1980 Dec;40(4):378–81

Extracts of virus-inhibiting plants active against Ehrlich tumor. de Oliveira MM, et al. **Rev Bras Biol** 1980 Aug; 40(3):519–24

[Therapy of severe epithelial dysplasia of esophagus. I. Therapeutic effects of Antitumor B III, Antitumor B and tilorone (author's transl)] Cai HY, et al. **Chung Hua Chung Liu Tsa Chih** 1980;2(2):92–5 **(Chi)**

[A comparison of compositus yiqi huoxue. Huang Qi (Astragalus monogholicus Bunge) and daidzein on acute mountain sickness (author's transl)] Xu LN, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1979 Dec; 1(3):274–7 (Eng. Abstr.) **(Chi)**

[Some pharmacologic effects of the 'Styrax pill for coronary disease' and the pharmacological basis of a simplified styrax-borneol preparation (author's transl)] Jiang WD, et al. **Yao Hsueh Hsueh Pao** 1979 Nov;14(11):655–61 (Eng. Abstr.) **(Chi)**

[Experiment in affecting cancer biologically with an intramuscular and local administration of the seaweed, Scenedesmus obliquus] Drnek F, et al. **Cesk Gynekol** 1981 Jul;46(6):463–5 **(Cze)**

[Effects of Coronilla varia Linné extract and lanatoside C in rabbits with experimental acute heart overloading in vivo] Geršl V. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1980;23(4):445–57 (Eng. Abstr.) **(Cze)**

[Immunostimulant properties of an extract isolated and partially purified from Aloe vahombe] Solar S, et al. **Arch Inst Pasteur Madagascar** 1980;47(1):9–39 (Eng. Abstr.) **(Fre)**

[Experimental model of cerebral ischemia preventive activity of Ginkgo biloba extract (author's transl)] Rapin JR, et al. **Sem Hop Paris** 1979 Dec 18–25;55(43–44):2047–50 (Eng. Abstr.) **(Fre)**

[A controlled clinical trial for testing the efficacy of the homeopathic drug eupatorium perfoliatum D2 inthe treatment of common cold (author's transl)] Gassinger CA, et al. **Arzneimittelforsch** 1981;31(4):732–6 (Eng. Abstr.) **(Ger)**

[Long-term treatment of circulatory disturbances of the retina and optic (author's transl)] Merté HJ, et al. **Klin Monatsbl Augenheilkd** 1980 Nov;177(5):577–83 (Eng. Abstr.) **(Ger)**

[Clinical experiences with phyto-therapy of benign prostatic hypertrophy] Bauer KM. **Med Welt** 1980 Aug 22; 31(34):1211–4 **(Ger)**

[Old and new methods of chamomile therapy. Chamomile as example for modern research of medicinal plants] Isaac O, et al. **Med Welt** 1980 Aug 8;31(31–32):1145–9 **(Ger)**

[Medicinal teas in the prophylaxis of urinary calculus. Effect of solubitrat on the excretion of lithogenic and inhibitory substances (author's transl)] Hesse A, et al. **MMW** 1981 Mar 27;123(13):521–4 (Eng. Abstr.) **(Ger)**

[The cholesterol-lowering effect of the unicellular green alga Scenedesmus acutus 276–3a. II. Effect of alga fractions] Rolle I, et al. **Nutr Metab** 1980;24(5):302–13 (Eng. Abstr.) **(Ger)**

[The cholesterol-lowering effect of the unicellular green alga Scenedesmus acutus 276–3a. I. Effect of drum-dried algal material] Rolle I, et al. **Nutr Metab** 1980;24(5):291–301 (Eng. Abstr.) **(Ger)**

[Conservative treatment of mastopathy with Mastodynon] Opitz G, et al. **Ther Ggw** 1980 Jul;119(7):804–9 **(Ger)**

[Treatment of chronic sinusitis with Sinupret] Richstein A, et al. **Ther Ggw** 1980 Sep;119(9):1055–60 **(Ger)**

[The effectiveness of a Ginkgobiloba preparation in arterial ischemic diseases of the leg. Controlled double-blind cross-over study] Salz H. **Ther Ggw** 1980 Nov; 119(11):1345–56 **(Ger)**

[Myrtillus oligoplex and acne vulgaris. Favorable effect of plant drug (Myrtillus oligoplex) on acne vulgaris] Amann W. **ZFA (Stuttgart)** 1981 Apr 20;57(11):872–6 **(Ger)**

[Mistletoe therapy in modern cancer treatment?] Becker R. **ZFA (Stuttgart)** 1981 Feb 20;57(5):345 **(Ger)**

[Autonomic disorders in general practice. Possibilities of drug therapy with Baldrisedon] Bettermann AA. **ZFA (Stuttgart)** 1981 Feb 10;57(4):288–94 **(Ger)**

[Prostatic syndrome. Long term therapy with Prostamed] Djulepa J. **ZFA (Stuttgart)** 1980 Apr 20;56(11):813–6 **(Ger)**

[Mistletoe therapy of breast cancer in comparison with chemotherapy and radiotherapy] Kienle G. **ZFA (Stuttgart)** 1981 Feb 20;57(5):328–37 **(Ger)**

[The possibilities of mistletoe therapy in cancer] Leroi R. **ZFA (Stuttgart)** 1981 Feb 20;57(5):316–22 **(Ger)**

[Echinacin in primary chronic polyarthritis therapy] Reuss D. **ZFA (Stuttgart)** 1981 Apr 20;57(11):865 **(Ger)**

[Adjuvant mistletoe therapy in cancer. Experiences at the Ludwig-Boltzmann Institute for Clinical Oncology] Salzer G. **ZFA (Stuttgart)** 1981 Feb 20;57(5):323–7 **(Ger)**

[Cynarix. Therapeutic experiences with Cynarix in disorders of fat metabolism in general practice] Vorberg G. **ZFA (Stuttgart)** 1980 Sep 10;56(25):1598–602 **(Ger)**

[Conservative treatment of micturition disorders] Zamfirescu C. **ZFA (Stuttgart)** 1980 Nov 20;56(32):2244–7 **(Ger)**

[Comparative clinical study of 3 drugs with laxative action] Baldassarri R, et al. **Clin Ter** 1980 Jul 15;94(1):67–75 **(Ita)**

[Biologically active principles of crude drugs. Antidiabetic principles of corni fructus in experimental diabetes induced by streptozotocin (author's transl)] Yamahara J, et al. **Yakugaku Zasshi** 1981 Jan;101(1):86–90 (Eng. Abstr.) **(Jpn)**

[Anti-ulcer action of a decoction of the flowers of the dropwort, Filipendula ulmaria (L.) Maxim] Barnaulov OD, et al. **Farmakol Toksikol** 1980 Nov–Dec;43(6):700–5 (Eng. Abstr.) **(Rus)**

[Experience in using sugar and an Eleutherococcus extract with the workers of the hot shops and the nigh shifts of the Raichikhinsk Glass Plant] Batin VV, et al. **Gig Tr Prof Zabol** 1981 May;(5):36–8 **(Rus)**

[Characteristics of specific desensitization in pollinoses in children of the Stavropol area] Sadovnichaia LT. **Pediatriia** 1980 Dec;(12):39–41 **(Rus)**

[Use of a golden root (Rhodiola rosea) tincture in treating periodontosis] Frolova GI, et al. **Stomatologiia (Mosk)** 1981 Jan–Feb;60(1):81–2 **(Rus)**

[Use of salvin in stomatological practice] Smirnov VV, et al. **Stomatologiia (Mosk)** 1980 Sep–Oct;59(5):65–6 **(Rus)**

[Effect of the long-term intake of Eleutherococcus on the adaptation of sailors in the tropics] Berdyshev VV. **Voen Med Zh** 1981 May;(5):57–8 **(Rus)**

[Effect of Eleutherococcus on body functions and the work capacity of sailors on a cruise] Berdyshev VV. **Voen Med Zh** 1981 Feb;(2):48–51 **(Rus)**

[Phytotherapy of cerebral venous insufficiency] Ludianskii EA. **Vrach Delo** 1981 Feb;(2):19–21 (Eng. Abstr.) **(Rus)**

[Preliminary communication on the treatment of psoriasis with anapsos] Mercadal Peyri O, et al. **Actas Dermosifiliogr** 1981 Jan–Feb;72(1–2):65–8 **(Spa)**

[Treatment of prostatic disorders with a combination of Prunus africana and benzidamine] Ahmad Samhan K. **Arch Esp Urol** 1980 Jul–Aug;33(4):417–24 (Eng. Abstr.) **(Spa)**

[Phytotherapy of functional stomach diseases] Stakhiv IV. **Farm Zh** 1980 Jun;(3):67–9 **(Ukr)**

TOXICITY

Experimental studies on the toxicity of bagasse. Bhattacharjee JW, et al. **Environ Res** 1980 Oct;23(1):68–76

Cytostatic & cytotoxic effects of flower extract of Hibiscus rosa sinensis on spermatogenically & androgenically active testes of a non-scrotal bat Rhinopoma kinneari Wroughton. Singwi MS, et al. **Indian J Exp Biol** 1980 Dec;18(12):1405–7

Effect of feeding different levels of mustard oil in monkeys. Shenolikar IS, et al. **Nutr Metab** 1980;24(3):199–208

Improvement in detecting the carcinogenicity of bracken fern using an Egyptian toad. El-Mofty MM, et al. **Oncology** 1980;37(6):424–5

Toxicity of methanol extract of Lasiosiphon kraussianus root. Ebong OO, et al. **Planta Med** 1981 Mar;41(3):267–73

Hepatic and renal toxicity of lantana in the guinea pig. Sharma OP, et al. **Toxicol Lett** 1981 Feb;7(4–5):347–51

URINE

Conjugation of lignans in human urine. Axelson M, et al. **FEBS Lett** 1980 Dec 15;122(1):49–53

Lignans in man and in animal species. Setchell KD, et al. **Nature** 1980 Oct 23;287(5784):740–2

PLANT GROWTH REGULATORS

ANALYSIS

Residue analysis of beta-naphthoxyacetic acid and beta-naphthol on field-sprayed tomatoes by high-pressure liquid chromatography. Archer TE, et al. **J Agric Food Chem** 1980 Jul–Aug;28(4):877–80

Mass spectral identification and gas-liquid chromatographic determination of methyl 4-chloroindolyl-3-acetate in canned and frozen peas. Heikes DL. **J Assoc Off Anal Chem** 1980 Nov;63(6):1224–5

[Plant hormones as bioregulators (author's transl)] Bruinsma J. **Arzneimittelforsch** 1980;30(11a):1965–9 (Eng. Abstr.) **(Ger)**

[Bioregulators. Introduction to the topic from the general and clinical point of view] Gillmann H. **Arzneimittelforsch** 1980;30(11a):1963–4 **(Ger)**

[The practical application of plant bioregulators (author's transl)] Jung J. **Arzneimittelforsch** 1980;30(11a):1974–80 (Eng. Abstr.) **(Ger)**

[Control of flower formation (author's transl)] Schwemmle B. **Arzneimittelforsch** 1980;30(11a):1970–4 (Eng. Abstr.) **(Ger)**

[Determination of chlorocholine chloride in environmental objects by thin-layer chromatography] Vasilenko VE. **Gig Sanit** 1980 Oct;(10):54–6 **(Rus)**

BIOSYNTHESIS

The synthesis of cytokinin-like substances by coryneform bacteria isolated from the roots of pine seedlings (Pinus silvestris L.). Kampert M, et al. **Acta Microbiol Pol** 1980; 29(2):117–24

Auxin and gibberellin-like substances synthesis by Fusarium isolates pathogenic to corn seedlings. Mańka M. **Acta Microbiol Pol** 1980;29(4):365–74

CHEMICAL SYNTHESIS

An alternative synthesis of deuterated cytokinins. Sugiyama T, et al. **Nucleic Acids Symp Ser** 1980;(8):s27–30

METABOLISM

Interaction of a radiolabeled cytokinin photoaffinity probe with a receptor protein. Keim P, et al. **Biochem Biophys Res Commun** 1980 Oct 16;96(3):1325–34

Excited indole-3-aldehyde from the peroxidase-catalyzed aerobic oxidation of indole-3-acetic acid. Reaction with and energy transfer to transfer ribonucleic acid. De Mello MP, et al. **Biochemistry** 1980 Nov 11;19(23):5270–5

Growth, activity of phytohormones and inhibitors, and photosynthesis of dwarf pea mutants under different conditions of illumination. Protasova NN, et al. **Biol Bull Acad Sci USSR** 1980 Jan–Feb;7(1):62–8

Isolation of cytokinin-binding protein from plant tissues by affinity chromatography. Chen C, et al. **Eur J Biochem** 1980 Jul;108(2):379–87

Fate of the plant growth regulator mefluidide [N-[2,4-dimethyl-5-[[(trifluoromethyl)sulfonyl]amino]phe in a cow and sheep. Ivie GW. **J Agric Food Chem** 1980 Nov–Dec;28(6):1286–8

Transport of auxin (indoleacetic acid) through lipid bilayer membranes. Gutknecht J, et al. **J Membr Biol** 1980 Aug 21;56(1):65–72

PHARMACODYNAMICS

Cytoplasmic regulation of tight-junction permeability: effect of plant cytokinins. Bentzel CJ, et al. **Am J Physiol** 1980 Sep;239(3):C75–89

Mutants of Arabidopsis thaliana with altered responses to auxins and gravity. Maher EP, et al. **Biochem Genet** 1980

Dec;18(11-12):1041-53

A decrease in intercellular space accompanies auxin-induced abortion in somatic carrot embryos. Warren GS. **Biochem Soc Trans** 1980 Oct;8(5):627-8

Auxin-induced deoxyribonucleic acid dependent ribonucleic acid polymerase activities in mature soybean hypocotyl. Guilfoyle TJ. **Biochemistry** 1980 Dec 23;19(26):6112-8

Effect of inhibitors of plant cell division on mammalian tumor cells in vitro. Zilkah S, et al. **Cancer Res** 1981 May; 41(5):1879-83

The effect of phytohormones produced by Arthrobacter sp. on the phosphatase activity in plant roots. Grappelli A, et al. **Folia Microbiol (Praha)** 1981;26(2):137-41

Inhibitory effect of gibberellic acid & benzylaminopurine on development photosynthetic apparatus. Chetverikov AG, et al. **Indian J Biochem Biophys** 1980 Aug;17(4):324-6

Polyadenylated RNA sequences which are reduced in concentration following auxin treatment of soybean hypocotyls. Baulcombe DC, et al. **J Biol Chem** 1980 Sep 25;255(18):88907-13

The mode of action of 2,4-D in counteracting the elongation of carrot cells grown in culture. Lloyd CW, et al. **J Cell Sci** 1980 Oct;45:257-68

Sexual spheroid formation in Volvox carteri f. nagariensis Iyengar induced by phenolic extracts. Zeikus JA, et al. **Microbios** 1980;28(113-114):173-84

[Replication and methylation of DNA in cells of tobacco suspension culture and the effect of auxin] Bashkite EA, et al. **Biokhimiia** 1980 Aug;45(8):1448-56 (Eng. Abstr.) **(Rus)**

[DNA methylation in wheat seedling and influence of phytohormones] Vaniushin BF, et al. **Biokhimiia** 1981 Jan; 46(1):47-54 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Identification of a spathe regreening factor in Zantedeschia aethiopica. Chaves das Neves HJ, et al. **Biochem Biophys Res Commun** 1980 Aug 29;95(4):1387-92

TOXICITY

Subtoxic effects of certain chemicals on food crops. Kadam SS, et al. **CRC Crit Rev Food Sci Nutr** 1981;14(1):49-109 (250 ref.)

PLANT HORMONES see **PLANT GROWTH REGULATORS**

PLANT LICE see **APHIDS**

PLANT POISONING

Eucalyptus oil poisoning. Patel S, et al. **Arch Dis Child** 1980 May;55(5):405-6

Yellow oleander seed poisoning with cardiotoxicity. A case report. Kakrani AL, et al. **Indian Heart J** 1981 Jan-Feb; 33(1):31-3

[Henbane as a narcotic substitute] Nagy L, et al. **Morphol Igazsagugyi Orv Sz** 1980 Oct;20(4):312 **(Hun)**

[Foxglove poisoning] Omvik P. **Tidsskr Nor Laegeforen** 1981 May;101(15):949-50 (Eng. Abstr.) **(Nor)**

COMPLICATIONS

Adverse reactions to maple leaf smoking. Milner M, et al. **J Fam Pract** 1981 May;12(5):931-2

Visual hallucinations and psychosis associated with the leaf of the castor oil tree [letter] Hemphill RE. **S Afr Med J** 1981 Jan 24;59(4):96

[Suitability of coarse rapeseed meals from various procedures for fattening broiler chickens. 2. Goitrogenic effect of rapeseed meals] Rotkiewicz T, et al. **Nahrung** 1981; 25(4):371-8 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

[Castor bean poisoning] Maretić Z. **Arh Hig Rada Toksikol** 1980;31(3):251-7 (Eng. Abstr.) **(Scr)**

ETIOLOGY

Erythema multiforme due to pyrethrum. Shnaps Y, et al. **Clin Pediatr (Phila)** 1981 Jan;20(1):68

Fatal oleander poisoning. Ansford AJ, et al. **Med J Aust** 1981 Apr 4;1(7):360-1

Pokeweed poisoning. Jaeckle KA, et al. **South Med J** 1981 May;74(5):639-40

Study of Dieffenbachia-induced edma in mouse and rat hindpaw: respective role of oxalate needles an trypsin-like protease. Kuballa B, et al. **Toxicol Appl Pharmacol** 1981 May;58(3):444-51

Cassava diet, chronic cyanide intoxication and neuropathy in the Nigerian Africans. Osuntokun BO. **World Rev Nutr Diet** 1981;36:141-73 (156 ref.)

[Wenckebach-type H-V bloch in digitalis poisoning] Rostós L. **Orv Hetil** 1980 Aug 10;121(32):1953-4 **(Hun)**

HISTORY

Bishydroxycoumarin and moldy sweet clover poisoning [letter] Loew FM. **Bull Hist Med** 1981 Summer;55(2):263-4

OCCURRENCE

Qat use in North Yemen and the problem of addiction: a study in medical anthropology. Kennedy JG, et al. **Cult Med Psychiatry** 1980 Dec;4(4):311-44

Plant poisonings--New Jersey. **MMWR** 1981 Feb 20; 30(6):65-7

Herbal teas and toxins: novel aspects of pyrrolizidine poisoning in the United States. Huxtable RJ. **Perspect Biol Med** 1980 Autumn;24(1):1-14

PATHOLOGY

Histopathological and ultrastructural alterations in the aorta in experimental Solanum malacoxylon poisoning. De Barros S, et al. **Virchows Arch [Cell Pathol]** 1981; 35(2):169-75

PHYSIOPATHOLOGY

Effects of extracts of toxic fescue given orally to rats. Daniels LB, et al. **Can J Comp Med** 1981 Apr;45(2):173-6

THERAPY

Abrus and ricinus ingestion: management of three cases. Kinamore PA, et al. **Clin Toxicol** 1980 Oct;17(3):401-5

[A rare case of acute mandragora poisoning. Diagnostic and therapeutic criteria] De Salvo R, et al. **Minerva Anestesiol** 1980 Dec;46(12):1265-72 (Eng. Abstr.) **(Ita)**

VETERINARY

Effect of pyrrolizidine alkaloid-induced hepatic disease on plasma amino acid patterns in the horse. Gulick BA, et al. **Am J Vet Res** 1980 Nov;41(11):1894-8

Nicotiana glauca-induced congenital deformities in calves: clinical and pathologic aspects. Keeler RF, et al. **Am J Vet Res** 1981 Jul;42(7):1231-4

Central nervous system changes in sheep and cattle affected with natural or experimental annual ryegrass toxicity [letter] Berry PH, et al. **Aust Vet J** 1980 Aug;56(8):402-3

Urochloa panicoides (liverseed grass) as a cause of nitrate poisoning [letter] Hill BD, et al. **Aust Vet J** 1980 May; 56(5):256

Experimental poisoning of horses and cattle with Swainsona canescens var horniana. Locke KB, et al. **Aust Vet J** 1980 Aug;56(8):379-83

Stypandra imbricata ('blindgrass') toxicosis in goats and sheep - clinical and pathologic findings in 4 field cases. Main DC, et al. **Aust Vet J** 1981 Mar;57(3):132-5

Oedema disease in chickens caused by Mexican poppy (Argemone mexicana) seed. Norton JH, et al. **Aust Vet J** 1980 Apr;56(4):187-9

Suspected poisoning of sheep by Ixiolaena brevicompta. Walker KH, et al. **Aust Vet J** 1980 Feb;56(2):64-6

Senecio lautus toxicity in cattle. Walker KH, et al. **Aust Vet J** 1981 Jan;57(1):1-7

Naturally occurring and experimentally induced castor bean (Ricinus communis) poisoning in ducks. Jensen WI, et al. **Avian Dis** 1981 Jan-Mar;25(1):184-94

Bracken fern and papilloma virus in bovine alimentary cancer. Jarrett WF. **Br Med Bull** 1980 Jan;36(1):79-81

Moldy sweetclover poisoning in a horse. McDonald GK. **Can Vet J** 1980 Sep;21(9):250-1

Moldy sweetclover poisoning in cattle. Radostits OM, et al. **Can Vet J** 1980 May;21(5):156-8

Fragility of erythrocytes in animals affected by lantana poisoning. Sharma OP, et al. **Clin Toxicol** 1981 Jan; 18(1):25-35

Teratogenic effects of Nicotiana glauca and concentration of anabasine, the suspect teratogen in plant parts. Keeler RF, et al. **Cornell Vet** 1981 Jan;71(1):47-53

Embryo resorptions in mice induced by diterpene resin acids of Pinus ponderosa needles. Kubik YM, et al. **Cornell Vet** 1981 Jan;71(1):34-42

The enigma of grass sickness [editorial] **Equine Vet J** 1981 Jan;13(1):1-2

A negative serological relationship between cases of grass sickness in Scotland and Clostridium perfringens type A enterotoxin. Gilmour JS, et al. **Equine Vet J** 1981 Jan; 13(1):56-8

Syndromes of astragalus poisoning in livestock. James LF, et al. **J Am Vet Med Assoc** 1981 Jan 15;178(2):146-50

Halogeton poisoning in range cattle. Lincoln SD, et al. **J Am Vet Med Assoc** 1980 Apr 15;176(8):717-8

Acute hemolytic anemia, methemoglobinemia, and heinz body formation associated with ingestion of red maple leaves by horses. Tennant B, et al. **J Am Vet Med Assoc** 1981 JUl 15;179(2):143-50

Interaction of environmental temperature and anti-quality factors on the severity of summer fescue toxicosis. Hemken RW, et al. **J Anim Sci** 1981 Apr;52(4):710-4

Bovine prolactin, TSH, T and T concentrations as affected by tall fescue summer toxicosis and temperature. Hurley WL, et al. **J Anim Sci** 1980 Aug;51(2):374-9

The toxicity of Capparis tomentosa in goats. Ahmed OM, et al. **J Comp Pathol** 1980 Apr;90(2):187-95

Plant poisoning in livestock. Management strategies for prevention. James LF. **Mod Vet Pract** 1980 Nov; 61(11):895-900

Photosensitivity in South Africa. II. The experimental production of the ovine hepatogenous photosensitivity disease geeldikkop (Tribulosis ovis) by the simultaneous ingestion of Tribulus terrestris plants and cultures of Pithomyces chartarum containing the mycotoxin sporidesmin. Kellerman TS, et al. **Onderstepoort J Vet Res** 1980 Dec;47(4):231-61

Management for the prevention of livestock poisoning by plants. James LF. **Proc Annu Meet US Anim Health Assoc** 1979;(83):422-5

The acute oral toxicity of hymenoxon in sheep. Terry MK, et al. **Res Commun Chem Pathol Pharmacol** 1981 Jan; 31(1):181-4

Performance and pathophysiological changes in pregnant pigs fed cassava diets containing different levels of cyanide. Tewe OO, et al. **Res Vet Sci** 1981 Mar;30(2):147-51

Toxicity of Leucaena leucocephala for steers in the wet tropics. Holmes JH. **Trop Anim Health Prod** 1981 May; 13(2):94-100

The ultrastructure of nephrocalcinosis induced in chicks by Cestrum diurnum leaves. Sarkar K, et al. **Vet Pathol** 1981 Jan;18(1):62-70

Cocklebur (Xanthium strumarium, L. var. strumarium) intoxication in swine: review and redefinition of the toxic principle. Stuart BP, et al. **Vet Pathol** 1981 May; 18(3):368-83

Tremorgenic forage and ryegrass staggers. Day JB, et al. **Vet Rec** 1980 May 31;106(22):463-4 (8 ref.)

Kale poisoning: the brassica anaemia factor. Smith RH. **Vet Rec** 1980 Jul 5;107(1):12-5

Toxicity of thornapple (Datura stramonium L) seeds to the pig. Worthington TR, et al. **Vet Rec** 1981 Mar 7; 108(10):208-11

Cassia obtusfolia (sicklepod) toxicity in a dairy herd. McCormack JE, et al. **VM SAC** 1980 Dec;75(12):1849-51

Azalea poisoning in a Llama: a case report. Miller RM. **VM SAC** 1981 Jan;76(1):104

[Army-worm disease, a form of poisoning occurring in cattle and sheep on the North Island of New Zealand and some other areas of the southern hemisphere, due to grazing on pastures showing a luxuriant growth of Kikuyu grass (author's transl)] van der Schaaf A. **Tijdschr Diergeneeskd** 1981 Feb 1;106(3):119-24 (Eng. Abstr.) **(Dut)**

PLANT PROTEINS

Difference in the degree of exposure of chromophores in the Pr and Pfr forms of phytochrome. Hahn TR, et al. **Biochem Biophys Res Commun** 1980 Dec 31;97(4):1317-23

Hydrophobic properties of phytochrome as probed by 8-anilinonaphthalene-1-sulfonate fluorescence. Hahn TR, et al. **Biochemistry** 1981 Apr 28;20(9):2602-9

Physicochemical differences between the red- and the far-red-absorbing forms of phytochrome. Hunt RE, et al. **Biochemistry** 1981 Feb 17;20(4):941-5

Structural characterization of the cyanophycin granule polypeptide of Anabaena cylindrica by circular dichroism and Raman spectroscopy. Simon RD, et al. **Biochim Biophys Acta** 1980 Dec 16;626(2):277-81

Abrogation of the non-specific toxicity of abrin conjugated to anti-lymphocyte globulin. Thorpe PE, et al. **Clin Exp Immunol** 1981 Jan;43(1):195-200

Phytoalexins of leguminous plants. Rizk AF, et al. **CRC Crit Rev Food Sci Nutr** 1980;13(3):245-95 (267 ref.)

Protein solubility characteristics of an ultrafiltered full-fat soybean product. Lah CL, et al. **J Agric Food Chem** 1980 Sep-Oct;28(5):911-6

The three-dimensional structure of canavalin at 3.0 A resolution by X-ray diffraction analysis. McPherson A. **J Biol Chem** 1980 Nov 10;255(21):10472-80

[Nutritional-physiological studies on acetylated fractions of protein from Vicia faba] Uhlig J, et al. **Nahrung** 1980; 24(9):899-906 (Eng. Abstr.) **(Ger)**

[Electron microscopic studies of globulin gels of soybeans] Belavtseva EM, et al. **Biofizika** 1981 May-Jun;26(3):439-41 (Eng. Abstr.) **(Rus)**

[Dark and photo-induced changes in absorption and fluorescence spectra of phycobilisomes in the presence of dithionite] Bekasova OD, et al. **Biokhimiia** 1981 Feb; 46(2):287-95 (Eng. Abstr.) **(Rus)**

[Chromophore composition and nature of the absorption spectra of phycobiliproteins] Stadnichuk IN, et al. **Biokhimiia** 1980 Sep;45(9):1560-7 (Eng. Abstr.) **(Rus)**

[Methods of eliminating alkaloids from the seeds of Lupinus mutabilis Sweet] Torres Tello F, et al. **Arch Latinoam Nutr** 1980 Jun;30(2):200-9 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Depressed neutrophil chemotaxis in infants with cow's milk and/or soy protein intolerance. Butler HL, et al. **Pediatrics** 1981 Feb;67(2):264-8

ANALYSIS

A simple electrophoretic procedure for the determination of the polypeptide composition of the subunits of fraction 1 protein. Cammaerts D, et al. **Anal Biochem** 1980 Dec; 109(2):317-20

Alkaline urea solubilization, two-dimensional electrophoresis and lectin staining of mammalian cell plasma membrane and plant seed proteins. Horst MN, et al. **Anal Biochem** 1980 Mar 1;102(2):399-408

Plant pyruvate dehydrogenase complex: inactivation and

reactivation by phosphorylation and dephosphorylation. Rao KP, et al. **Arch Biochem Biophys** 1980 Apr 1; 200(2):461-6

Lateral heterogeneity in the distribution of chlorophyll-protein complexes of the thylakoid membranes of spinach chloroplasts. Andersson B, et al. **Biochim Biophys Acta** 1980 Dec 3;593(2):427-40

Isolation and characterization of beta-gliadin fractions. Tercé-Laforgue T, et al. **Biochim Biophys Acta** 1980 Sep 23;625(1):118-26

The stigma of Euglena gracilis strain Z: an investigation into the possible occurrence of carotenoproteins and nucleic acids. Heelis DV, et al. **Cytobios** 1980;29(115-116):135-43

The relationship between protein content and dry weight of guard cells and other single cell samples of Vicia faba L. leaflet. Outlaw WH, et al. **Histochem J** 1981 Mar; 13(2):329-34

Hydrodynamic and quasi-elastic light scattering studies on the 12S globulin from rapeseed. Schwenke KD, et al. **Int J Pept Protein Res** 1980 Jul;16(1):12-8

Studies on the proteins of mass-cultivated, blue-green alga (Spirulina platensis). Devi MA, et al. **J Agric Food Chem** 1981 May-Jun;29(3):522-5

Relationship between durum wheat protein properties and pasta dough rheology and spaghetti cooking quality. Dexter JE, et al. **J Agric Food Chem** 1980 Sep-Oct; 28(5):899-902

Condensed tannin purification and characterization of tannin-associated proteins. Hagerman AE, et al. **J Agric Food Chem** 1980 Sep-Oct;28(5):947-52

Determination of protein in tannin-protein precipitates. Hagerman AE, et al. **J Agric Food Chem** 1980 Sep-Oct; 28(5):944-7

Protein and amino acid compositions of ten tropical fruits by gas-liquid chromatography. Hall NT, et al. **J Agric Food Chem** 1980 Nov-Dec;28(6):1217-21

Heterogeneity of soybean seed proteins: one-dimensional electrophoretic profiles of six different solubility fractions. Hu B, et al. **J Agric Food Chem** 1981 May-Jun; 29(3):497-501

2S globulins of soybean seeds. 1. Isolation and characterization of protein components. Koshiyama I, et al. **J Agric Food Chem** 1981 Mar-Apr;29(2):336-40

Distribution and amino acid composition of protein groups located in different histological parts of maize grain. Landry J, et al. **J Agric Food Chem** 1980 Nov-Dec; 28(6):1186-91

Methionine-rich protein fraction by cryoprecipitation from extracts of corn meal. Melcher U, et al. **J Agric Food Chem** 1980 Nov-Dec;28(6):1334-6

Comparative study of whole seed protein and starch content via cross polarization-magic angle spinning carbon-13 nuclear magnetic resonance spectroscopy. O'Donnell DJ, et al. **J Agric Food Chem** 1981 May-Jun;29(3):514-8

Isolation and characterization of the major protein fraction of sunflower seeds. Rahma EH, et al. **J Agric Food Chem** 1981 May-Jun;29(3):518-21

Duckweeds (Lemnaceae family): a potential source of protein and amino acids. Rusoff LL, et al. **J Agric Food Chem** 1980 Jul-Aug;28(4):848-50

Relationship between nonprotein nitrogen and total nitrogen in chickpea (Cicer arietinum L.) seed. Singh U, et al. **J Agric Food Chem** 1981 Mar-Apr;29(2):423-4

Protein accumulation and protein quality of bengal Gram (Cicer arietinum) cotyledons during development. Srivastava KN, et al. **J Agric Food Chem** 1981 Jan-Feb; 29(1):24-7

Protein quality of rice as affected by application of nitrogen fertilizer. Vaughan DA, et al. **J Agric Food Chem** 1980 Sep-Oct;28(5):894-6

Soybean protein agglomeration: promotion by ultrasonic treatment. Wang LC. **J Agric Food Chem** 1981 Jan-Feb; 29(1):177-80

Molecular architecture of a light-harvesting antenna. In vitro assembly of the rod substructures of Synechococcus 6301 phycobilisomes. Lundell DJ, et al. **J Biol Chem** 1981 Apr 10;256(7):3580-92

Molecular architecture of a light-harvesting antenna. Comparison of wild type and mutant Synechococcus 6301 phycobilisomes. Yamanaka G, et al. **J Biol Chem** 1980 Nov 25;255(22):11104-10

Radial spokes of Chlamydomonas flagella: polypeptide composition and phosphorylation of stalk components. Piperno G, et al. **J Cell Biol** 1981 Jan;88(1):73-9

Evaluation of local varieties of Egyptian rice. Awadalla MZ, et al. **Z Ernaehrungswiss** 1981 Jun;20(2):152-5

[Biochemical basis for the determination of soybean protein with immunological methods] Menzel EJ. **Z Ernaehrungswiss** 1981 Mar;20(1):55-68 (Eng. Abstr.) **(Ger)**

[A comparative analysis of the proteins of wheat, rye and Triticale T275 and T294. III. Content of tryptophan and tyrosine in gliadines and glutenines and N-end amino acids of gliadine fraction (author's transl)] Górski A, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 1979;34:311-6 (Eng. Abstr.) **(Pol)**

[A comparative analysis of the proteins of wheat, rye and two kinds of triticale T275 and T294. II. Separation of gliadines and glutenines in polyacrylamide gel (author's transl)] Górski A, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 1979;34:297-302 (Eng. Abstr.) **(Pol)**

[Electrophoretic study of Potato tuber plasmolemmal proteins] Ladyzhenskaia EP, et al. **Biokhimiia** 1980 Sep; 45(9):1619-29 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Distinctive characteristics of protein synthesis in maize embryos during the early stages of germination. Sanchez de Jimenez E, et al. **Biochem Biophys Res Commun** 1981 Mar 31;99(2):445-50

Synthesis of complementary DNAs to partially purified mRNAs coding for the storage proteins of Pisum sativum (L). Evans IM, et al. **Biochim Biophys Acta** 1980 Nov 14; 610(1):81-95

Microbiological synthesis of protein. State of the problem and developmental trends. Popova TE. **Biol Bull Acad Sci USSR** 1980 Jul-Aug;7(4):311-22

Peroxidase biosynthesis as part of protein synthesis by cultured peanut cells. Stephan D, et al. **Can J Biochem** 1980 Sep;58(9):715-9

The anaerobic proteins of maize. Sachs MM, et al. **Cell** 1980 Jul;20(3):761-7

Protein synthesis during the onset of cell proliferation in root meristems. Sans J, et al. **Cell Biol Int Rep** 1981 Mar; 5(3):287-95

Algal single cell protein production from sewage effluent with high salinity. Wong PK, et al. **Experientia** 1980 Sep 15;36(9):1065-6

Effects of gamma-radiation & gibberellin on nucleic acid & protein syntheses in germinating wheat. Machaiah JP, et al. **Indian J Biochem Biophys** 1980 Apr;17(2):85-90

Influence of streptomycin on alpha-amylase formation isolated endosperms & protein pattern in intact seedlings of rice Oryza sativa L. Bag A, et al. **Indian J Exp Biol** 1980 Jul;18(7):768-70

SCP production from rice stover: solid state Vs. submerged fermentation. Ghai SK, et al. **Indian J Exp Biol** 1981 Jan; 19(1):61-4

Local biosynthesis rates of cytoplasmic constituents in growing tissue. Silk WK, et al. **J Theor Biol** 1980 Apr 21;83(4):701-3

Fraction I protein. Bottomley W. **Results Probl Cell Differ** 1980;10:179-99 (133 ref.)

RNA and protein synthesis in plastid differentiation. Wollgiehn R, et al. **Results Probl Cell Differ** 1980;10:97-145 (257 ref.)

[Single cell protein. I -- Introduction, the use of algae, fungi and yeasts for SCP production (author's transl)] Akman M. **Mikrobiyol Bul** 1980 Apr;14(2):141-55 (Eng. Abstr.) **(Tur)**

GENETICS

The ra locus and legumin synthesis in Pisum sativum. Davies DR. **Biochem Genet** 1980 Dec;18(11-12):1207-19

Polypeptide composition of fraction I protein of the somatic hybrid between Petunia parodii and Petunia parviflora. Kumar A, et al. **Biochem Genet** 1981 Apr;19(3-4):255-61

Inheritance of electrophoretic variants of tuber proteins in Solanum tuberosum haploids. Simon PW, et al. **Biochem Genet** 1980 Dec;18(11-12):1055-63

Effects of an Agropyron chromosome on endosperm proteins in common wheat Triticum aestivum L.). Soliman KM, et al. **Biochem Genet** 1980 Jun;18(5-6):465-82

Genetic and biochemical characterization of waxy mutants in cereals. Amano E. **Environ Health Perspect** 1981 Jan; 37:35-41

Origins and genetic nonvariability of the proteins which diffuse from maize pollen. Porter EK. **Environ Health Perspect** 1981 Jan;37:53-9

Adh locus in maize for detection of mutagens in the environment. Schwartz D. **Environ Health Perspect** 1981 Jan;37:75-7

Radial spokes of Chlamydomonas flagella: genetic analysis of assembly and function. Huang B, et al. **J Cell Biol** 1981 Jan;88(1):80-8

Structure and evolution of photosynthetic accessory pigment systems with special reference to phycobiliproteins. Glazer AN. **UCLA Forum Med Sci** 1979;(21):221-44 (89 ref.)

Genetic factors affecting protein content and composition of cereal grains. Pomeranz Y. **World Rev Nutr Diet** 1981; 36:174-205 (61 ref.)

IMMUNOLOGY

Usefulness of measurement of antibodies in serum in diagnosis of sensitivity to cow milk and soy proteins in early childhood. May CD, et al. **Allergy** 1980 Jun;35(4):301-10

Antigenic determinants of a plant proteoglycan, the Gladiolus style arabinogalactan-protein. Gleeson PA, et al. **Biochem J** 1980 Nov 1;191(2):437-47

Cytotoxicity acquired by conjugation of an anti-Thy1.1 monoclonal antibody and the ribosome-inactivating protein, gelonin. Thorpe PE, et al. **Eur J Biochem** 1981 Jun 1;116(3):447-54

Serum antibodies against gliadin and reticulin in a family study of coeliac disease. Stern M, et al. **Eur J Pediatr** 1980 Oct;135(1):31-6

Gluten-sensitive enteropathy. I. The T-dependent anti-A-gliadin antibody response maps to the murine major histocompatibility locus. Trefts PE, et al. **J Immunol** 1981 Jun;126(6):2249-52

Serum antibodies (measured by MRSPAH) to alcohol-soluble gliadins in adult coeliac patients. Kieffer M, et al. **J Immunol Methods** 1981;42(2):129-36

Anti-gliadin antibodies in dermatitis herpetiformis. Swain AF, et al. **J R Soc Med** 1981 Jun;74(6):458-9

[Gliadin antibodies in immunofluorescence. Use of an immunologic test in diagnosis and follow-up of celiac disease, in family screening and in the study of gastrointestinal metabolism of food antigens] Stern M, et al. **Kinderaerztl Prax** 1981 Jan;49(1):9-19 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Separation of chloroplast lamella proteins dissolved in chloral by gel electrophoresis. Burghoffer C, et al. **Anal Biochem** 1980 Nov 1;108(2):335-42

Calmodulin-activated plant microsomal Ca2+ uptake and purification of plant NAD kinase and other proteins by calmodulin-Sepharose chromatography. Dieter P, et al. **Ann NY Acad Sci** 1980;356:371-3

Proteolysis of chloroplast thylakoid membranes. II. Evidence for the involvement of the light-harvesting chlorophyll a/b-protein complex in thylakoid stacking and for effects of magnesium ions on photosystem II-light-harvesting complex aggregates in the absence of membrane stacking. Carter DP, et al. **Arch Biochem Biophys** 1980 Apr 1; 200(2):374-86

Proteolysis of chloroplast thylakoid membranes. I. Selective degradation of thylakoid pigment--protein complexes at the outer membrane surface. Carter DP, et al. **Arch Biochem Biophys** 1980 Apr 1;200(2):364-73

Highly purified 'flavanone synthase' from parsley catalyzes the formation of naringenin chalcone. Heller W, et al. **Arch Biochem Biophys** 1980 Apr 1;200(2):617-9

Purification and properties of a second antiviral protein from Phytolacca americana which inactivates eukaryotic ribosomes. Irvin JD, et al. **Arch Biochem Biophys** 1980 Apr 1;200(2):418-25

Prenyltransferase from Gossypium hirsutum. Widmaier R, et al. **Arch Biochem Biophys** 1980 Apr 1;200(2):609-16

Electrochemical gradient induced displacement of the natural ATPase inhibitor protein from mitochondrial ATPase as directed by antibodies against the inhibitor protein. Dreyfus G, et al. **Biochem Biophys Res Commun** 1981 May 15; 100(1):400-6

Purification and some properties of a 7S seed storage protein from Pisum (pea). Casey R, et al. **Biochem Soc Trans** 1980 Oct;8(5):658

Five structurally related proteins from affinity-purified Maclura pomifera lectin. Bausch JN, et al. **Biochemistry** 1981 Apr 28;20(9):2618-20

Studies on plantacyanin. I. Distribution in the plant kingdom, subcellular localization and physicochemical properties. Aikazyan VTs, et al. **Biochim Biophys Acta** 1981 Feb 27; 667(2):421-32

Light-harvesting systems of brown algae and diatoms. Isolation and characterization of chlorophyll a/c and chlorophyll a/fucoxanthin pigment-protein complexes. Alberte RS, et al. **Biochim Biophys Acta** 1981 Apr 13; 635(2):304-16

Purification and characterization of histidyl-transfer RNA synthetase from Neurospora crassa. Chen CC, et al. **Biochim Biophys Acta** 1980 Jun 13;613(2):514-25

A characterization of abrin A from the seeds of the Abrus precatorius plant. Herrmann MS, et al. **Biochim Biophys Acta** 1981 Feb 27;667(2):397-410

Purification and properties of an alpha-amylase protein-inhibitor from Arachis hypogaea seeds. Irshad M, et al. **Biochim Biophys Acta** 1981 Jun 15;659(2):326-33

Crystallization of water-soluble chlorophyll-proteins from Lepidium virginicum. Murata T, et al. **Biochim Biophys Acta** 1980 Nov 5;593(1):167-70

Purification and some properties of two proteinase inhibitors (DE-1 and DE-3) from Erythrina latissima (broad-leaved erythrina) seed. Joubert FJ, et al. **Hoppe Seylers Z Physiol Chem** 1981 May;362(5):531-8

Reversible modification of lysine in soybean proteins, using citraconic anhydride: characterization of physical and chemical changes in soy protein isolate, the 7S globulin, and lipoxygenase. Brinegar AC, et al. **J Agric Food Chem** 1980 Jul-Aug;28(4):818-24

Purification and characterization of a corn (Zea mays) protein similar to purothionins. Jones BL, et al. **J Agric Food Chem** 1980 Sep-Oct;28(5):904-8

Isolation and characterization of the major fraction of guar proteins. Nath JP, et al. **J Agric Food Chem** 1980 Jul-Aug; 28(4):844-7

Electrophoretic purification of chlorophyll a/b-protein complexes from Chlamydomonas reinhardtii and spinach and analysis of their polypeptide compositions. Delepelaire P, et al. **J Biol Chem** 1981 Sep 10;256(17):9300-7

Isolation of four isotoxic proteins and one agglutinin from jequiriti bean (Abrus precatorius). Lin JY, et al. **Toxicon** 1981;19(1):41-51

[Comparative studies of the preparation of alpha-gliadin] Mühle W, et al. **Acta Biol Med Ger** 1979;38(11-12):1543-8 (Eng. Abstr.) **(Ger)**

[Isolation and properties of the pigment-protein complex (protochlorophyllide - holochrome) from etiolated leaves of corn sprouts] Nikolaeva LF, et al. **Biokhimiia** 1981 Jan; 46(1):22-8 (Eng. Abstr.) **(Rus)**

METABOLISM

Specificity of the chlorophyll-to-protein binding in the chlorophyll-protein complexes of the thylakoid. Argyroudi-Akoyunoglou JH, et al. **Arch Biochem Biophys** 1980 Apr 1;200(2):326-35

Modulation of proton efflux from chloroplasts in the light by external pH. Underwood C, et al. **Arch Biochem Biophys** 1980 Oct 1;204(1):241-6

Interaction of a new gamma-glutamyl-phosphate analog, 4-(phosphonoacetyl)-L-alpha-aminobutyrate, with glutamine synthetase enzymes from Escherichia coli, plant, and mammalian sources. Wedler FC, et al. **Arch Biochem Biophys** 1980 Jul;202(2):482-90

The DNA, RNA and protein composition of the cyanobacterium Anacystis nidulans grown in light- and carbon dioxide-limited chemostats. Parrott LM, et al. **Arch Microbiol** 1980 Aug 1;127(1):53-8

Decrease in phytochrome pelletability induced by green + far-red light in Trifolium repens. Vicente C, et al. **Biochem Biophys Res Commun** 1981 May 15;100(1):17-22

General characteristics of normal and stress-enhanced protein degradation in Lemna minor (duckweed). Cooke RJ, et al. **Biochem J** 1980 Nov 15;192(2):499-506

Mitochondrial adenosinetriphosphatase inhibitor protein: reversible interaction with complex V (ATP synthetase complex). Galante YM, et al. **Biochemistry** 1981 Apr 28; 20(9):2671-8

Evidence for complexed plastocyanin as the immediate electron donor of P-700. Haehnel W, et al. **Biochim Biophys Acta** 1980 Dec 3;593(2):384-99

Covalent modification of chloroplast photosystem II polypeptides by p-nitrothiophenol. Mullet JE, et al. **Biochim Biophys Acta** 1981 Apr 13;635(2):215-24

Chemical, physicochemical and spectrophotometric properties of crystalline chlorophyll-protein complexes from Lepidium virginicum L. Murata T, et al. **Biochim Biophys Acta** 1981 Apr 13;635(2):341-7

Energy transfer from phycobiliproteins to photosystem I in vegetative cells and heterocysts of Anabaena variabilis. Peterson RB, et al. **Biochim Biophys Acta** 1981 Feb 12; 634(2):237-48

Fluorescence and energy transfer in phycobiliprotein-containing algae at low temperature. Rijgersberg CP, et al. **Biochim Biophys Acta** 1980 Dec 3; 593(2):261-71

Reaction center triplet states in photosystem I and photosystem II. Rutherford AW, et al. **Biochim Biophys Acta** 1981 Apr 13;635(2):225-35

Binding of cesalin, an antitumor protein, to cultured mammalian cells. Shepherd VL, et al. **Biochim Biophys Acta** 1980 Sep 2;601(1):101-12

Primary photoprocesses of undegraded phytochrome excited with red and blue light at 77 K. Song PS, et al. **Biochim Biophys Acta** 1981 Apr 13;635(2):369-82

Magnetic field-induced fluorescence changes in chlorophyll-proteins enriched with P-700. Voznyak VM, et al. **Biochim Biophys Acta** 1980 Sep 5;592(2):364-8

Availability of lysine in vegetable protein concentrates as determined by the slope-ratio assay with growing pigs and rats and by chemical techniques. Batterham ES, et al. **Br J Nutr** 1981 Mar;45(2):401-10

Digestion in the pig between 7 and 35 d of age. 6. The digestion of hydrolyzed milk and soya-bean proteins. Leibholz J. **Br J Nutr** 1981 Jul;46(1):59-69

Degradation of maize protein in rumen contents. Influence of ammonia concentration. Nikolić JA, et al. **Br J Nutr** 1981 Jan;45(1):111-6

Characteristics of the rumen proteolysis of fraction I (18S) leaf protein from lucerne (Medicago sativa L). Nugent JHU, et al. **Br J Nutr** 1981 Jul;46(1):39-58

Availability to pigs of amino acids in cereal grains. 1. Endogenous levels of amino acids in ileal digesta and faeces of pigs given cereal diets. Taverner MR, et al. **Br J Nutr** 1981 Jul;46(1):149-58

Digestion in the pig between 7 and 35 d of age. 1. The performance of pigs given milk and soya-bean proteins. Wilson RH, et al. **Br J Nutr** 1981 Mar;45(2):301-19

Digestion in the pig between 7 and 3 d of age. 3. The digestion of nitrogen in pigs given milk and soya-bean proteins. Wilson RH, et al. **Br J Nutr** 1981 Mar; 45(2):337-46

Digestion in the pig between 7 and 35 d of age. 5. The incorporation of amino acids absorbed in the small intestines into the empty-body gain of pigs given milk or soya-bean proteins. Wilson RH, et al. **Br J Nutr** 1981 Mar; 45(2):359-66

Digestion in the pigs between 7 and 35 d of age. 4. The digestion of amino acids in pigs given milk and soya-bean proteins. Wilson RH, et al. **Br J Nutr** 1981 Mar; 45(2):347-57

Digestion in the pig between 7 and 3 d of age. 2. The digestion of dry matter and the pH of digesta in pigs given milk and soya-bean proteins. Wilson RH, et al. **Br J Nutr** 1981 Mar;45(2):321-36

Viral infection permeabilizes mammalian cells to protein toxins. Fernández-Puentes C, et al. **Cell** 1980 Jul; 20(3):769-75

Degradation of early synthesized proteins in imbibed dormant and afterripened Agrostemma githago L. embryos. de Klerk GJ. **Dev Biol** 1981 Apr 15;83(1):183-7

Malathion exposed seeds of Vigna sinensis (L): changes at protein & nucleic acid levels. Chakrabarti S, et al. **Indian J Exp Biol** 1980 Aug;18(8):896-8

Ferrocyanide carbon-13 NMR line broadening as a probe of electron transfer reactions. Kurland RJ, et al. **J Biochem Biophys Methods** 1981 Mar;4(3-4):215-25

Electron transfer reactions between cytochrome f and plastocyanin from Brassica komatsuna. Niwa S, et al. **J Biochem (Tokyo)** 1980 Oct;88(4):1177-83

Control of beef heart submitochondrial particle-catalyzed Pi goes to and comes from ATP exchange by nucleotides and the ATPase inhibitor protein. Krull KW, et al. **J Biol Chem** 1981 Jul 10;256(13):6641-5

Binding of wheat gliadin in vitro to reticulum in normal and dermatitis herpetiformis skin. Unsworth DJ, et al. **J Invest Dermatol** 1981 Feb;76(2):88-93

Linear and nonlinear models for measuring protein nutritional quality. Phillips RD. **J Nutr** 1981 Jun;111(6):1058-66

Protein quality of high and low saponin alfalfa protein concentrate. Hegsted M, et al. **J Sci Food Agric** 1980 Aug; 31(8):777-81

Studies of abrin toxic action on tumor cells by immunoelectron microscopy. Lin CT, et al. **J Ultrastruct Res** 1980 Dec;73(3):310-7

Aflatoxin - induced alteration in the levels of membrane chemical of subcellular organelles isolated from excised, incubated glycine max, cv. 'Essex' roots. I. Non-enriched organelles. Danley JM, et al. **Mycopathologia** 1981 Jun 5; 74(3):149-61

The rapidly metabolized 32,000-dalton polypeptide of the chloroplast is the 'proteinaceous shield' regulating photosystem II electron transport and mediating diuron herbicide sensitivity. Mattoo AK, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1572-6

Effect of pigeon pea (Arhar) mosaic virus strains (AMM & ASM) on the extractable leaf protein of Arhar, Cajanus cajan L. Millisp. Singh AK. **Riv Biol** 1980 Winter; 73(4):585-8

Nutritional evaluation of sunflower-seed protein products. Taha FS, et al. **Z Ernaehrungswiss** 1980 Sep;19(3):191-202

[N-metabolism as modelled by metabolism of 15N-labelled wheat in rat experiment] Pahle T, et al. **Arch Tierernaehr** 1981 Feb;31(2):127-40 (Eng. Abstr.) **(Ger)**

[Effect of amino acid supplements to barley meal on the nitrogen metabolism of growing castrated male swine (20-65 kg live weight)] Wecke C, et al. **Arch Tierernaehr** 1981 Mar;31(3):195-201 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Effects of soy protein and saponins on serum and liver cholesterol in rats [letter] Pathirana C, et al. **Atherosclerosis** 1980 Aug;36(4):595-6

Reversal of the inhibitory effects of the pokeweed antiviral protein upon protein synthesis. Rodes TL 3d, et al. **Biochim Biophys Acta** 1981 Jan 29;652(1):160-7

Further studies on the hypocholesterolaemic effect of soya-bean protein in rats. Nagata Y, et al. **Br J Nutr** 1981 Mar;45(2):233-41

Thionins: plant peptides that modify membrane permeability in cultured mammalian cells. Carrasco L, et al. **Eur J Biochem** 1981 May;116(1):185-9

Purification and properties of a DNase inhibitor from Nicotiana tabacum cell cultures. Szopa J, et al. **Eur J Biochem** 1980 Oct;111(1):211-5

Modification of cell membrane in variants of Chinese hamster cells resistant to abrin. Li IC, et al. **Exp Cell Res** 1980 Oct;129(2):351-60

The effect of abrin, anti-lymphocyte globulin and their conjugates on the immune response of mice to sheep red blood cells. Edwards DC, et al. **Experientia** 1981 Mar 15; 37(3):256-7

2S globulins of soybean seeds. 2. Physicochemical and biological properties of protease inhibitors in 2S globulins. Koshiyama I, et al. **J Agric Food Chem** 1981 Mar-Apr; 29(2):340-3

(Na+ + K+)-stimulated ATPase inhibition by cesalin and macromomycin. Zaheer A, et al. **J Biol Chem** 1981 Feb 25;256(4):1786-92

Effect of dietary protein and sunflower meal on blood serum cholesterol of dairy heifers. Park CS, et al. **J Dairy Sci** 1980 Sep;63(9):1451-61

Inhibition of ellagic acid-activated Hageman factor (factor XII) and Hageman factor fragments by popcorn inhibitor. Ratnoff OD, et al. **Proc Soc Exp Biol Med** 1981 Feb; 166(2):297-9

Effects of prostaglandin-F2 alpha and a plant protein 'Trichosanthin', on 10-day pregnant rabbits. Saksena SK, et al. **Prostaglandins Med** 1980 Nov;5(5):383-90

PHYSIOLOGY

Determination of molecular weight of a polypeptide inducing resistance against viruses. Verma HN, et al. **Naturwissenschaften** 1980 Jul;67(7):364-5

Variations in the satellite DNA content of Cucumis melo in relation to dedifferentiation and hormone concentration. Grisvard J, et al. **Nucleic Acids Res** 1980 Jun 25; 8(12):2843-58

RADIATION EFFECTS

Alkyl and omega-amino alkyl agaroses as probes of light-induced changes in phytochrome from pea seedlings (Pisum sativum cv. Alaska). Yamamoto KT, et al. **Biochim Biophys Acta** 1981 Mar 27;668(1):27-34

TOXICITY

Effect of heat treatment on the toxicity and nutritive value of dry bean (Phaseolus vulgaris var. Rosinha G2) proteins. Antunes PL, et al. **J Agric Food Chem** 1980 Sep-Oct; 28(5):935-8

Effect of detoxification treatments on the proteins of guar meal. Nath JP, et al. **J Agric Food Chem** 1981 May-Jun; 29(3):529-32

An in vitro model for gluten enteropathy. **Nutr Rev** 1980 Apr;38(4):161-3

PLANT STEROLS see **PHYTOSTEROLS**

PLANT TUMORS

Retention of tumor markers in F1 progeny plants from in vitro induced octopine and nopaline tumor tissues. Wullems GJ, et al. **Cell** 1981 Jun;24(3):719-27

Grown gall plant tumors of abnormal morphology, induced by Agrobacterium tumefaciens carrying mutated octopine Ti plasmids; analysis of T-DNA functions. Ooms G, et al. **Gene** 1981 Jun-Jul;14(1-2):33-50

Internal organization, boundaries and integration of Ti-plasmid DNA in nopaline grown gall tumours. Lemmers M, et al. **J Mol Biol** 1980 Dec 15;144(3):353-76

An epigenetic model for the origin of cancer. Braun AC. **Q Rev Biol** 1981 Mar;56(1):33-60 (145 ref.)

ANALYSIS

[Electron paramagnetic resonance spectra of iron-sulfur proteins in the mitochondria of bacterial tumors of peas] Burbaev DSh, et al. **Biofizika** 1980 Jul-Aug;25(4):738-40 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Agrobacterium tumefaciens mutants affected in crown gall tumorigenesis and octopine catabolism. Garfinkel DJ, et al. **J Bacteriol** 1980 Nov;144(2):732-43

Relationship between the limited and wide host range octopine-type Ti plasmids of Agrobacterium tumefaciens. Thomashow MF, et al. **J Bacteriol** 1981 May;146(2):484-93

Relationship of plasmids responsible for hairy root and crown gall tumorigenicity. White FF, et al. **J Bacteriol** 1980 Nov; 144(2):710-20

[Tumoral transformations in plants] Gautheret R. **Bull Acad Natl Med (Paris)** 1980 Apr;164(4):358-74 (Eng. Abstr.) **(Fre)**

[Ti plasmids of Agrobacterium tumefaciens and their role in the formation of plant tumors] Poglazov AB, et al. **Mol Biol (Mosk)** 1980 Jul-Aug;14(4):725-33 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Cell surface carbohydrates of Agrobacterium tumefaciens involved in adherence during crown gall tumor initiation. Banerjee D, et al. **Biochem Biophys Res Commun** 1981 Jun 16;100(3):1384-8

Relationship of siderophore-mediated iron assimilation to virulence in crown gall disease. Leong SA, et al. **J Bacteriol** 1981 Aug;147(2):482-91

Anatomical studies on abnormal growth caused by Puccinia butleri on Launaea asplenifolia Hook. Srivastava RC, et al. **Mykosen** 1980 Mar;23(3):134-40

Tumor DNA structure in plant cells transformed by A. tumefaciens. Zambryski P, et al. **Science** 1980 Sep 19; 209(4463):1385-91

PLANT VIRUSES

Virus-like particles of yeast. Bruenn JA. **Annu Rev Microbiol** 1980;34:49-68 (111 ref.)

Antitumor effect of virus-like particles from Lentinus edodes (Shiitake) on Ehrlich ascites carcinoma in mice. Takehara M, et al. **Arch Virol** 1981;68(3-4):297-301

Phosphorescence and optical detection of magnetic resonance of cowpea chlorotic mottle virus. Krüse J, et al. **Biochim Biophys Acta** 1981 Mar 27;668(1):35-45

Electron-paramagnetic-resonance spectroscopy of spin-labelled cowpea-chlorotic-mottle virus. Krüse J, et al. **Eur J Biochem** 1981 Jan;113(3):575-9

How ancient are the tobamoviruses? Gibbs A. **Intervirology** 1980;14(2):101-8

On the rigidity of RNA in tomato bushy stunt virus. Munowitz MG, et al. **J Mol Biol** 1980 Aug 15; 141(3):327-33

Immunochemical detection of ds-RNA in healthy and virus-infected plants and specific detection of viral ds-RNA by hybridization to labelled complementary DNA. Gould AR, et al. **J Virol Methods** 1981 Apr; 2(5):277-86

ANALYSIS

Electrophoretic fractionation of the double-stranded RNA genome of rice ragged stunt virus. Boccardo G, et al. **Intervirology** 1980;14(1):57-60

Localization of DNA phosphorus in Tipula iridescent virus by oxygen plasma microincineration. II. Electron probe

X-ray microanalysis of ash constituents. Thomas RS, et al. **J Histochem Cytochem** 1981 Mar;29(3):394–407

ENZYMOLOGY

Transcriptase activity associated with a type 2 double-stranded RNA mycovirus. McGinty RM, et al. **Biochem Biophys Res Commun** 1981 Jan 30;98(2):501–6

GENETICS

Near identity of 3– RNA secondary structure in bromoviruses and cucumber mosaic virus. Ahlquist P, et al. **Cell** 1981 Jan;23(1):183–9

Restriction map of native and cloned cauliflower mosaic virus DNA. Hohn T, et al. **Gene** 1980 Oct;11(1–2):21–31

Construction and characterization of a plasmid containing a nearly full-size DNA copy of satellite tobacco necrosis virus RNA. van Emmelo J, et al. **J Mol Biol** 1980 Nov 5;143(3):259–71

Total nucleotide sequence of a nearly full-size DNA copy of satellite tobacco necrosis virus RNA. Ysebaert M, et al. **J Mol Biol** 1980 Nov 5;143(3):273–87

Nucleotide sequence of the putative recognition site for coat protein in the RNAs of alfalfa mosaic virus and tobacco streak virus. Koper-Zwarthoff EC, et al. **Nucleic Acids Res** 1980 Aug 11;8(15):3307–18

GROWTH & DEVELOPMENT

Effects of monoparacoumarylputrescinium chloride on the hypersensitive reaction of Gomphrena globosa leaves to tomato bushy stunt virus. Pennazio S, et al. **Acta Virol (Praha)** 1981 Mar;25(2):115–21

ISOLATION & PURIFICATION

Identification of small polyhedral virus particles in thin sections of plant cells by an enzyme cytochemical technique. Hatta T, et al. **J Ultrastruct Res** 1981 Jan; 74(1):116–29

Improved ELISA conditions for detection of plant viruses. McLaughlin MR, et al. **J Virol Methods** 1981 Jul;3(1):13–25

Electro-extraction of viruses from infected plant tissue. Polson A, et al. **Prep Biochem** 1981;11(3):321–38

[Immune electron microscopic investigations of plant viruses (author's transl)] Schmidt HB, et al. **Acta Histochem [Suppl] (Jena)** 1980;22:339–46 (Eng. Abstr.) **(Ger)**

METABOLISM

Specific binding of eukaryotic initiation factor 2 to satellite tobacco necrosis virus RNA at a 5'-terminal sequence comprising the ribosome binding site. Kaempfer R, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1542–6

PATHOGENICITY

Infectivities of native and cloned DNA of cauliflower mosaic virus. Lebeurier G, et al. **Gene** 1980 Dec;12(1–2):139–46

[Mechanisms of plant resistance against virus infection (author's transl)] Bujarski JJ. **Postepy Biochem** 1980; 26(3):477–97 **(Pol)**

[Degradation of Anacystis nidulans cells by the action of cyanophage AS-1] Gusev MV, et al. **Vopr Virusol** 1980 May–Jun;(3):330–3 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Cytopathic effects of oat sterile dwarf virus in enation cells of oat leaves. Brčák J, et al. **Acta Virol (Praha)** 1980 Sep; 24(5):346–50

Plant-virus interactions related to resistance and localization of viral infections. Sela I. **Adv Virus Res** 1981;26:201–37

The mechanism of entry of viruses into plant protoplasts. Watts JW, et al. **Ciba Found Symp** 1980 May 13–15; 80:56–71 (24 ref.)

Determination of molecular weight of a polypeptide inducing resistance against viruses. Verma HN, et al. **Naturwissenschaften** 1980 Jul;67(7):364–5

ULTRASTRUCTURE

Protein interfaces and intersubunit bonding. The case of tomato bushy stunt virus. Harrison SC. **Biophys J** 1980; 32(1):139–53

Does rice ragged stunt virus lack the typical double shell of the Reoviridae? Milne RG. **Intervirology** 1980; 14(5–6):331–6

Further studies on the use of protein A in immune electron microscopy for detecting virus particles. Gough KH, et al. **J Gen Virol** 1980 Dec;51(Pt 2):415–9

Particle and crystal symmetry of Erysimum latent virus. Colman PM, et al. **J Mol Biol** 1980 Sep 15;142(2):263–8

[Effect of photosynthesis on the ultrastructure of a cyanophage during intracellular development] Mamkaeva KA, et al. **Mikrobiologiia** 1980 Jul–Aug;49(4):631–3 (Eng. Abstr.) **(Rus)**

PLANTAGO see under **PLANTS, MEDICINAL**

PLANTAR PRINTS see **DERMATOGLYPHICS**

PLANTS

Sporotrichosis associated with sphagnum moss exposure. Grotte M, et al. **Arch Pathol Lab Med** 1981 Jan;105(1):50–1

Cactus thorn injuries to the extremities: their management and etiology. Karpman RR, et al. **Ariz Med** 1980 Dec; 37(12):849–51

Does ruminal metabolism of mimosine explain the absence of Leucaena toxicity in Hawaii? [letter] Jones RJ. **Aust Vet J** 1981 Jan;57(1):55–6

Fermentation of plant polysaccharides: role of biochemical genetics. Detroy RW. **Basic Life Sci** 1981;18:183–5

Microbial enzymes attacking plant polymeric materials. Mandels M. **Basic Life Sci** 1981;18:85–8

Biochemical properties of duplicated isozymes of phosphoglucose isomerase in the plant Clarkia xantiana. Gottlieb LD, et al. **Biochem Genet** 1981 Feb;19(1–2):155–72

Alopecia areata regrowth induced by Primula obconica. Rhodes EL, et al. **Br J Dermatol** 1981 Mar;104(3):339–40

Sheep tumours in North East Yorkshire. II. Experimental production of tumours. McCrea CT, et al. **Br Vet J** 1981 Jan;137(1):21–30

Nitrogen fixation and methane metabolism in a stream sediment–water system amended with leaf material. Tam TY, et al. **Can J Microbiol** 1981 May;27(5):511–6

Allergic contact dermatitis from Schefflera. Hammershøy O. **Contact Dermatitis** 1981 Jan;7(1):57–8

A survey of orchid growers. Hardie RA, et al. **Contact Dermatitis** 1981 Mar;7(2):122–3

Leaves of Ginkgo biloba not allergenic for Toxicodendron-sensitive subjects. Mitchell JC, et al. **Contact Dermatitis** 1981 Jan;7(1):47–8

Dermatitis from ammonium rhodanate. Rudzki E. **Contact Dermatitis** 1981 Mar;7(2):124

Psoralen-like photoactivity of the alkaloid dictamine. Towers GH, et al. **Contact Dermatitis** 1980 Dec;6(7):508

Compositae dermatitis in South Australia: contact dermatitis from Ixodia achillaeoides and Cynara cardunculus or the tribulations of a dry flower arranger. Turner T. **Contact Dermatitis** 1980 Oct;6(6):444

Irritant contact dermatitis from an ornamental Euphorbia. Worobec SM, et al. **Contact Dermatitis** 1981 Jan;7(1):19–22

Blumea species (compositae) : insecticides from plants. Dongre TK, et al. **J Commun Dis** 1980 Mar;12(1):39–41

Effects of phyto-oestrogens on progesterone synthesis by isolated bovine granulosa cells. Kaplanski O, et al. **J Endocrinol** 1981 Jun;89(3):343–8

The relationship between pasture herbage and the development and survival of the free-living stages of Oesophagostomum dentatum. Rose JH, et al. **J Helminthol** 1981 Jun;55(2):109–13

Simple cactus spine removal [letter] Putnam MH. **J Pediatr** 1981 Feb;98(2):333

Male antifertility activity of Azadirachta Indica in mice. Deshpande VY, et al. **J Postgrad Med** 1980 Jul;26(3):167–70

Dynamics of horticultural therapy. Relf D. **Rehabil Lit** 1981 May–Jun;42(5–6):147–50

Effects of plant ingestion in rats determined by the conditioned taste aversion procedure. Yokel RA, et al. **Toxicon** 1981;19(2):223–32

[Mortality in lambs due to impaction of the abomasum by an Ornithopus sativus Brot. (seredella) bezoar] Schneider DJ, et al. **J S Afr Vet Assoc** 1980 Dec;51(4):245–7 (Eng. Abstr.) **(Afr)**

[The pollinated plants and their pollens in the Taipei area] Han SH, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1980 Jun;13(2):174–200 **(Chi)**

[Occupational skin diseases in gardening and flower growing (author's transl)] Kadlec K. **Cesk Dermatol** 1980 Oct; 55(5):334–8 (Eng. Abstr.) **(Cze)**

[Phytodermatoses sensu lato (author's transl)] Krauskopf J. **Cesk Dermatol** 1980;55(6):410–6 **(Cze)**

[Use of fresh water hyacinth by broiler rabbit] Gérard C, et al. **Rev Elev Med Vet Pays Trop** 1980;33(1):91–6 (Eng. Abstr.) **(Fre)**

[Molluscicidal effect of a Senegalese stock of Ambrosia maritima. Laboratory trials] Vassiliades G, et al. **Rev Elev Med Vet Pays Trop** 1980;33(4):401–6 (Eng. Abstr.) **(Fre)**

[Dermatoses resulting from contact with plants] Bork K. **Med Welt** 1981 May 1;32(18):680–1 **(Ger)**

[New pharmacologically interesting natural substances (author's transl)] Baumgarth M. **Planta Med** 1980 Aug; 39(4):297–335 (182 ref.) (Eng. Abstr.) **(Ger)**

[Process of water crystallization in plant tissues] Bakradze NG, et al. **Biofizika** 1981 Jan–Feb;26(1):119–23 (Eng. Abstr.) **(Rus)**

[Occupational hygiene of agricultural workers in kenaf cultivation in Uzbekistan] Atabaev ShT, et al. **Gig Tr Prof Zabol** 1980 Oct;(10):13–6 (Eng. Abstr.) **(Rus)**

[Allergenic flora in the state of Yucatan] Molina Medina C. **Alergia** 1980 Jul;27(3):101–9 (Eng. Abstr.) **(Spa)**

[Production of bacterial protein using pressed sugar-cane pulp] Molina OE, et al. **Rev Latinoam Microbiol** 1980 Jul–Sep;22(3):123–9 (Eng. Abstr.) **(Spa)**

ANALYSIS

Double-standard isotope dilution assay. I. Quantitative assay of indole-3-acetic acid. Cohen JD, et al. **Anal Biochem** 1981 Apr;112(2):249–57

Analytical prenyl pigment separation from a total green-plant lipid extract. Janero DR, et al. **Anal Biochem** 1981 Mar 1;111(2):283–90

Plant pyruvate dehydrogenase complex: inactivation and reactivation by phosphorylation and dephosphorylation. Rao KP, et al. **Arch Biochem Biophys** 1980 Apr 1; 200(2):461–6

Carbohydrate binding activity of a lectin-like glycoprotein from stems and leaves of Dolichos biflorus. Etzler ME, et al. **Biochem Biophys Res Commun** 1980 Sep 16;96(1):92–7

A phytohaemaghlutinin from the Azolla-Anabaena symbiosis. Mellor RB, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1348–53

A prolactin inhibitory factor with immunocharacteristics similar to thyrotropin releasing factor (TRH) is present in rat pituitary tumors (GH3 and W5), testicular tissue and a plant material, alfalfa. Morley JE, et al. **Biochem Biophys Res Commun** 1980 Sep 16;96(1):47–53

Isolation of a lectin from the pericarp of potato (Solanum tuberosum) fruits. Kilpatrick DC. **Biochem J** 1980 Oct 1; 191(1):273–5

Presence in a plant of a compound similar to the dolichyl diphosphate oligosaccharide of animal tissue. Staneloni RJ, et al. **Biochem J** 1980 Oct 1;191(1):257–60

Amino acid sequence of a carboxypeptidase inhibitor from tomato fruit. Hass GM, et al. **Biochemistry** 1981 Apr 14; 20(8):2256–60

Spinach calmodulin: isolation, characterization, and comparison with vertebrate calmodulins. Watterson DM, et al. **Biochemistry** 1980 Dec 9;19(25):5762–8

Studies on plantacyanin. I. Distribution in the plant kingdom, subcellular localization and physicochemical properties. Aikazyan VTs, et al. **Biochim Biophys Acta** 1981 Feb 27; 667(2):421–32

Localization of prenylquinones in the envelope of spinach chloroplasts. Lichtenthaler HK, et al. **Biochim Biophys Acta** 1981 Feb 20;641(1):99–105

A modified nucleotide in the poly(A) tract of maize RNA. Nichols JL, et al. **Biochim Biophys Acta** 1981 Jan 29; 652(1):99–108

Comparison of the EPR properties of photosystem I iron-sulphur centres A and B in spinach and barley. Nugent JH, et al. **Biochim Biophys Acta** 1981 Feb 12;634(2):249–55

The structure and thermotropic properties of pure 1,2-diacylgalactosylglycerols in aqueous systems. Sen A, et al. **Biochim Biophys Acta** 1981 Feb 23;663(2):380–9

Drift from a commercial, aerial application of methyl and ethyl parathion: an estimation of potential human exposure. Draper WM, et al. **Bull Environ Contam Toxicol** 1981 Apr; 26(4):530–6

Conformations of calf thymus and rye histones H3 and H4 in aqueous solution by laser Raman spectroscopy. Pézolet M, et al. **Can J Biochem** 1980 Aug;58(8):633–40

Yeast, rye, and calf histones. Similarities and differences detected by electrophoretic and immunological methods. Tessier A, et al. **Can J Biochem** 1980 May;58(5):405–9

Isolation of cytokinin-binding protein from plant tissues by affinity chromatography. Chen C, et al. **Eur J Biochem** 1980 Jul;108(2):379–87

The physicochemical properties of the galactose-specific lectin from Momordica charantia. Mazumder T, et al. **Eur J Biochem** 1981 Jan;113(3):463–70

Purification and properties of a DNase inhibitor from Nicotiana tabacum cell cultures. Szopa J, et al. **Eur J Biochem** 1980 Oct;111(1):211–5

Isolation and partial characterization of flagellar tubulin from Marsilea vestita. Ludueña RF, et al. **Exp Cell Res** 1980 Dec;130(2):455–9

Constituents of Egyptian Euphorbiaceae. IX. Irritant and cytotoxic ingenane esters from Euphorbia paralias L. Sayed MD, et al. **Experientia** 1980 Oct 15;36(10):1206–7

The quantitation of adenosine 3':5'-cyclic monophosphate in cultured tobacco tissue by mass spectrometry. Johnson LP, et al. **FEBS Lett** 1981 Feb 9;124(1):119–21

A toxin from the palmyra palm, Borassus flabellifer: partial purification and effects in rats. Greig JB, et al. **Food Cosmet Toxicol** 1980 Oct;18(5):483–8

An examination of the effect in radiological assessments of high soil-plant concentration ratios for harvested vegetation. Schwarz G, et al. **Health Phys** 1980 Dec; 39(6):983–6

Repetitive DNA in three Gramineae species with low DNA content. Deshpande VG, et al. **Hoppe Seylers Z Physiol Chem** 1980 Aug;361(8):1223–33

Denaturation and reassociation properties of the genome of Phaseolus vulgaris. Seshadri M, et al. **Hoppe Seylers Z Physiol Chem** 1980 Jul;361(7):1041–8

A rapid method for quantification & elucidation of the anomeric sugar specificity of lectins: demonstration with the lectins from Bandeiraea simplicifolia & Ricinus communis. Ghosh M, et al. **Indian J Biochem Biophys** 1980 Oct;17(5):344–6

Comparison of Phaseolus vulgaris cultivars on the basis of isolectin differences. Felsted RL, et al. **Int J Biochem** 1981; 13(5):549–57

Fingerprint analyses of plant and animal tissues with respect to the occurrence of foreign compounds. Vollner L, et al. **Int J Environ Anal Chem** 1980;7(3):191–204

High-pressure liquid chromatographic determination of captan, captafol, and folpet residues in plant material. Büttler B, et al. **J Agric Food Chem** 1981 Mar–Apr; 29(2):257–60

Determination of chlorpyrifos and 3,5,6-trichloro-2-pyridinol residues in peppermint hay and peppermint oil. Inman RD, et al. **J Agric Food Chem** 1981

Mar-Apr;29(2):321-3
Prospect of a specific enzymatic assay for ascorbic acid (vitamin C). Kelly GJ, et al. **J Agric Food Chem** 1980 Nov-Dec;28(6):1320-1
Determination of terbutryn and its degradation products in water, sediments, aquatic plants, and fish. Muir DC. **J Agric Food Chem** 1980 Jul-Aug;28(4):714-9
Modification of official method for analysis of carotenes and xanthophylls in dried plant materials and mixed feeds. Gimeno A. **J Assoc Off Anal Chem** 1980 May;63(3):653-6
Isolation of plant tubulin from azuki bean epicotyls by ethyl N-phenylcarbamate-Sepharose affinity chromatography. Mizuno K, et al. **J Biochem (Tokyo)** 1981 Jan;89(1):329-32
Electrophoretic purification of chlorophyll a/b-protein complexes from Chlamydomonas reinhardtii and spinach and analysis of their polypeptide compositions. Delepelaire P, et al. **J Biol Chem** 1981 Sep 10;256(17):9300-7
The nucleotide sequence of spinach cytoplasmic 5 S ribosomal RNA. Delihas N, et al. **J Biol Chem** 1981 Jul 25;256(14):7515-7
Glycophosphoceramides from plants. Purification and characterization of a novel tetrasaccharide derived from tobacco leaf glycolipids. Hsieh TC, et al. **J Biol Chem** 1981 Aug 10;256(15):7747-55
Nucleotide sequence of wheat chloroplastid 4.5 S ribonucleic acid. Sequence homologies in 4.5 S RNA species. Wildeman AG, et al. **J Biol Chem** 1980 Dec 25; 255(24):11896-900
Analytical characterization of beetroot vacuole membrane. Marty F, et al. **J Cell Biol** 1980 Oct;87(1):72-83
An ultracytochemical study of nucleolar organization in meristematic plant cells (Allium porrum). Luck BT, et al. **J Cell Sci** 1980 Jun;43:37-58
Simplified method for the analysis of some carbamate insecticides in foliage, forest soil and fish tissue by direct gas-liquid chromatography. Szeto SY, et al. **J Chromatogr** 1980 Nov 21;200:179-84
The sorption of Zectran on bottom sediments and peat moss. Matthews EW, et al. **J Environ Sci Health [B]** 1981; 16(3):325-36
Major skin-irritant principle from Synadenium grantii. Kinghorn AD. **J Pharm Sci** 1980 Dec;69(12):1446-7
The dietary potential of the common nettle. Hughes RE, et al. **J Sci Food Agric** 1980 Dec;31(12):1279-86
Phylogenetic tree derived from bacterial, cytosol and organelle 5S rRNA sequences. Küntzel H, et al. **Nucleic Acids Res** 1981 Mar 25;9(6):1451-61
Rapid isolation of high molecular weight plant DNA. Murray MG, et al. **Nucleic Acids Res** 1980 Oct 10;8(19):4321-5
The nucleotide sequence of 4.5S ribosomal RNA from tobacco chloroplasts. Takaiwa F, et al. **Nucleic Acids Res** 1980 Sep 25;8(18):4125-9
Residue dynamics of acephate and methamidophos in urban dooryard citrus foliage, Pompano Beach, Florida--August-September 1978. Fitzpatrick GE, et al. **Pestic Monit J** 1980 Jun;14(1):3-6
The cytostatic activity of the chlorchyssopifolins, chlorinated sesquiterpene lactones from Centaurea. González AG, et al. **Planta Med** 1980 Oct;40(2):179-84
Electro-extraction of viruses from infected plant tissue. Polson A, et al. **Prep Biochem** 1981;11(3):321-38
Configurational assignments to spirostan-3-ols by mass spectrometry. Blunden G, et al. **Steroids** 1980 Sep; 36(3):299-303
Isolation and characterization of some proteinase inhibitors from Phaseolus vulgaris var. nanus. Gerstenberg H, et al. **Z Lebensm Unters Forsch** 1980 Jul;171(1):28-34
[TLC separation and densitometry of alpha-and beta-santonin in Artemisia (author's transl)] Luo SR, et al. **Yao Hsueh Hsueh Pao** 1980 Nov;15(11):693-5 (Eng. Abstr.) **(Chi)**
[Nitrates and nitrites in plant tissues. Analytical methods] Brugel P. **Ann Nutr Aliment** 1980;34(5-6):757-64 (Eng. Abstr.) **(Fre)**
[Structure of chrysantellin B, a new saponin isolated from Chrysanthellum procumbens Rich (author's transl)] Becchi M, et al. **Eur J Biochem** 1980;108(1):271-7 (Eng. Abstr.) **(Fre)**
[On the inhibitory activity of Polemonium saponin against fungi (author's transl)] Hiller K, et al. **Pharmazie** 1981; 36(2):133-4 (Eng. Abstr.) **(Ger)**
[Chemical study of Cymbaria dahurica L] Szigeti J, et al. **Acta Pharm Hung** 1981 Mar;51(2):78-85 (Eng. Abstr.) **(Hun)**
[Methods of detection of contamination levels of a territory: application to a case of arsenic pollution] Zapponi GA, et al. **Ann Ist Super Sanita** 1980;16(2):295-315 (Eng. Abstr.) **(Ita)**
[Studies on the constituents of Farfugium japonicum (L.) Kitam. III. On the components of the rhizome (author's transl)] Kurihara T, et al. **Yakugaku Zasshi** 1980 Jun; 100(6):681-4 (Eng. Abstr.) **(Jpn)**
[Studies on sesquiterpenelactones. VI. Chemical constitution of Artemisia feddei Lev. et Van (author's transl)] Matsueda S, et al. **Yakugaku Zasshi** 1980 Jun;100(6):615-8 (Eng. Abstr.) **(Jpn)**
[Chromatographic determination of propisamide (kerba) in water, soil and plants] Kislushko PM, et al. **Gig Sanit** 1981 May;(5):37-8 **(Rus)**
[Properties of satellite DNA of Citrus limon] Beridze TG. **Mol Biol (Mosk)** 1980;14(1):126-35 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Anatomical studies on abnormal growth caused by Puccinia butleri on Launaea asplenifolia Hook. Srivastava RC, et al. **Mykosen** 1980 Mar;23(3):134-40
Methods for the study of leaf anatomy in palms. Martens J, et al. **Stain Technol** 1980 Jul;55(4):241-6

CLASSIFICATION

[Flora of Tanegashima (author's transl)] Kaburagi K, et al. **Eisei Shikenjo Hokoku** 1980;98:154-72 (Eng. Abstr.) **(Jpn)**

CYTOLOGY

Vegetable cell contaminants in cytologic specimens: their resemblance to cells associated with various normal and pathologic states. Weaver KM, et al. **Acta Cytol (Baltimore)** 1981 May-Jun;25(3):210-4
Fusion of Avena sativa mesophyll cell protoplasts by electrical breakdown. Zimmermann U, et al. **Biochim Biophys Acta** 1981 Feb 20;641(1):160-5
Protein synthesis during the onset of cell proliferation in root meristems. Sans J, et al. **Cell Biol Int Rep** 1981 Mar; 5(3):287-95
The mechansim of cytokinesis in plant cells: action of caffeine on the kinetics of a root meristem cell population. Pareyre C, et al. **Cytobios** 1979;26(103-104):153-66
G2 arrest and differentiation in the petal of tradescantia clone 4430. Kudirka DT, et al. **Exp Cell Res** 1980 Dec; 130(2):443-50
Botanical immunocytochemistry: a review with special reference to pollen antigens and allergens. Knox RB, et al. **Histochem J** 1980 May;12(3):247-72 (68 ref.)
The relationship between protein content and dry weight of guard cells and other single cell samples of Vicia faba L. leaflet. Outlaw WH, et al. **Histochem J** 1981 Mar; 13(2):329-34
Role of ascorbic acid in auxin induced cell elongation--a cytochemical study. Dhar AC, et al. **Histochemistry** 1980; 69(1):101-9
Measurement and characteristics of fusion of isolated membrane fractions from maize root tips. Baydoun EA, et al. **J Cell Sci** 1980 Oct;45:169-86
Pollen tube development in Petunia hybrida following compatible and incompatible intraspecific matings. Herrero M, et al. **J Cell Sci** 1981 Feb;47:365-83
Investigations on ploidy levels of haploid and diploid callus and cell suspension cultures of Datura innoxia Mill. Kibler R, et al. **J Cell Sci** 1980 Aug;44:365-73
Physiological requirements for ciliary reactivation of bracken fern spermatozoids. Wolniak SM, et al. **J Cell Sci** 1980 Jun;43:195-207
The mechanical properties of plant cell walls. Sellen DB. **Symp Soc Exp Biol** 1980;34:315-29

DRUG EFFECTS

Effect of microorganisms on the phytotoxicity of herbicides. VI. Modification of venzar activity by bacterial cultures. Balicka N, et al. **Acta Microbiol Pol** 1981;30(2):195-201
Structural features required for inhibition of cyanide-insensitive electron transfer by propyl gallate. Siedow JN, et al. **Arch Biochem Biophys** 1981 Mar; 207(1):32-9
Lemna (duckweed) as an indicator of water pollution. I. The sensitivity of Lemna paucicostata to heavy metals. Nasu Y, et al. **Arch Environ Contam Toxicol** 1981;10(2):159-69
Interaction of antioxidants with ozone and herbicide stress. Rubin B, et al. **Bull Environ Contam Toxicol** 1980 Oct; 25(4):623-9
Protocol for measuring the relative toxicity of substance of plant foliage. Thompson CR, et al. **Bull Environ Contam Toxicol** 1981 Feb;26(2):281-7
Pollen systems to detect phytotoxicants in the environment: an introduction. Rosen WG. **Environ Health Perspect** 1981 Jan;37:105
Ten-fold enhancement of 2,4-D effect on water hyacinth by addition of gibberellic acid. Pieterse AH, et al. **Experientia** 1980 Jun 15;36(6):650-1
The effect of phytohormones produced by Arthrobacter sp. on the phosphatase activity in plant roots. Grappelli A, et al. **Folia Microbiol (Praha)** 1981;26(2):137-41
Dibutylchloromethyltin chloride, a potent inhibitor of electron transport in plant mitochondria. Moore AL, et al. **J Bioenerg Biomembr** 1980 Aug;12(3-4):309-23
Fluorescence studies on modes of cytochalasin B and phallotoxin action on cytoplasmic streaming in Chara. Nothnagel EA, et al. **J Cell Biol** 1981 Feb;88(2):364-72
The mode of action of 2,4-D in counteracting the elongation of carrot cells grown in culture. Lloyd CW, et al. **J Cell Sci** 1980 Oct;45:257-68
Effects of pesticides on plant nutrition. Hance RJ. **Residue Rev** 1981;78:13-41 (135 ref.)
Effects of a 4-deoxyphorbol triester from the latex sap of Euphorbia biglandulosa Desf. on isolated spinach chloroplasts. Santarius KA, et al. **Toxicon** 1981; 19(3):383-92
[Studies of the effect of tetrazine derivatives on the phanerogame germination and plantlet growth (author's transl)] Tam HD, et al. **Toxicol Eur Res** 1978;1(5):321-8 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

The plant aminoacyl-tRNA synthetases. 2'-DeoxyATP and ATP in reactions catalysed by yellow lupin aminoacyl-tRNA synthetases. Jakubowski H. **Acta Biochim Pol** 1980;27(3-4):321-33
Valyl-tRNA and leucyl-tRNA synthetases in wheat germ and seedlings. Rudzińska M, et al. **Acta Biochim Pol** 1980; 27(3-4):309-19
A simple electrophoretic procedure for the determination of the polypeptide composition of the subunits of fraction 1 protein. Cammaerts D, et al. **Anal Biochem** 1980 Dec; 109(2):317-20
A continuous spectrophotometric assay for sucrose phosphate synthetase. Harbron S, et al. **Anal Biochem** 1980 Sep 1;107(1):56-9
A new assay for ferredoxin-dependent glutamine oxoglutarate amino transferase (glutamate synthase) using electrolytically reduced methyl viologen. Hucklesby DP, et al. **Anal Biochem** 1980 Dec;109(2):357-61
Plant calmodulin and the regulation of NAD kinase. Jarrett HW, et al. **Ann NY Acad Sci** 1980;356:119-29
Isolation and characterization of the cytosolic and mitochondrial superoxide dismutases of maize. Baum JA, et al. **Arch Biochem Biophys** 1981 Feb;206(2):249-64
Biosynthesis of monoterpenes: conversion of the acyclic precursors geranyl pyrophosphate and neryl pyrophosphate to the rearranged monoterpenes fenchol and fenchone by a soluble enzyme preparation from fennel (Foeniculum vulgare). Croteau R, et al. **Arch Biochem Biophys** 1980 Apr 1;200(2):524-33
Biosynthesis of monoterpenes: preliminary characterization of i-endo-fenchol synthetase from fennel (Foeniculum vulgare) and evidence that no free intermediate is involved in the cyclization of geranyl pyrophosphate to the rearranged product. Croteau R, et al. **Arch Biochem Biophys** 1980 Apr 1;200(2):534-46
Plastid and cytosolic phosphofructokinases from the developing endosperm of Ricinus communis. II. Comparison of the kinetic and regulatory properties of the isoenzymes. Garland WJ, et al. **Arch Biochem Biophys** 1980 Oct 1;204(1):310-7
Plastid and cytosolic phosphofructokinase from the developing endosperm of Ricinus communis. I. Separation, purification, and initial characterization of the isozymes. Garland WJ, et al. **Arch Biochem Biophys** 1980 Oct 1; 204(1):302-9
Regulation of ribulose-1,5-bisphosphate carboxylase from tobacco: changes in pH response and affinity for CO2 and Mg2+ induced by chloroplast intermediates. Hatch AL, et al. **Arch Biochem Biophys** 1980 Dec;205(2):587-94
Highly purified 'flavanone synthase' from parsley catalyzes the formation of naringenin chalcone. Heller W, et al. **Arch Biochem Biophys** 1980 Apr 1;200(2):617-9
Two flavonoid-specific malonyltransferases from cell suspension cultures of Petroselinum hortense: partial purification and some properties of malonyl-coenzyme A: flavone/flavonol-7-O-glycoside malonyltransferase and malonyl-coenzyme A: flavonol-3-O-glucoside malonyltransferase. Matern U, et al. **Arch Biochem Biophys** 1981 Apr 15;208(1):233-41
Isolation, crystallization, and properties of calotropins DI and DII from Calotropis gigantea. Pal G, et al. **Arch Biochem Biophys** 1980 Jul;202(2):321-9
The citrate-stimulated starch synthase of starchy maize kernels: purification and properties. Pollock C, et al. **Arch Biochem Biophys** 1980 Oct 15;204(2):578-88
Radioiodinated antibodies, a tool in studies on the presence and role of inactive enzyme forms: regulation of chalcone synthase in parsley cell suspension cultures. Schröder J, et al. **Arch Biochem Biophys** 1980 Sep;203(2):800-8
Ferredoxin-NADP+ oxidoreductase is active as a monomer with molecular weight 33,000-36,000. Sheriff S, et al. **Arch Biochem Biophys** 1980 Dec;205(2):499-502
Characterisation of heparin-resistant complex formation and RNA synthesis by wheat germ RNA polymerases I, II and III, in vitro on cauliflower mosaic virus DNA. Cooke R, et al. **Biochem Biophys Res Commun** 1981 Jan 15; 98(1):36-42
Cleavage of the carboxypeptidase inhibitor from potatoes by carboxypeptidase A. Hass GM, et al. **Biochem Biophys Res Commun** 1980 Dec 31;97(4):1481-6
Evidence for a single catalytic and two binding sites in the almond emulsin beta-D-glucosidase molecule. Kiss L, et al. **Biochem Biophys Res Commun** 1981 Feb 12;98(3):792-9
Developmental modification and hybridization of allelic acid phosphatase isozymes in homo- and heterozygotes for the Acp- 1 locus in rice. Endo T. **Biochem Genet** 1981 Apr; 19(3-4):373-84
Nitrate reductase activity (in vivo and in vitro) of ditelosomic stocks of wheat (Triticum aestivum L.). Jones PW, et al. **Biochem Genet** 1981 Apr;19(3-4):263-76
Effects of O2 stress on tomato alcohol dehydrogenase activity: description of a second ADH coding genes. Tanksley SD, et al. **Biochem Genet** 1981 Apr; 19(3-4):397-409
Purification and characterization of chromatin-bound DNA-dependent RNA polymerase I from parsley (Petroselinum crispum). Influence of nucleoside triphosphates. Grossmann K, et al. **Biochem J** 1980 Oct 1;191(1):165-71
A comparison of potato and vertebrate lactate dehydrogenases. Poerio E, et al. **Biochem J** 1980 Nov 1;

191(2):341–8
Solubilization of UDP–glucose–specific starch synthetase in sweet–potato (Ipomoea batatas) starch granules by the urea/pullulanase method. Sasaki T, et al. **Biochem J** 1980 Aug 1;189(2):381–3
Enzymic synthesis of sym–homospermidine in Lathyrus sativus (grass pea) seedlings. Srivenugopal KS, et al. **Biochem J** 1980 Aug 15;190(2):461–4
Partial purification and properties of a transamidinase from Lathyrus sativus seedlings. Involvement in homoarginine metabolism and amine interconversions. Srivenugopal KS, et al. **Biochem J** 1980 Sep 1;189(3):553–60
Energy conservation by the plant mitochondrial cyanide–insensitive oxidase. Some additional evidence. Wilson SB. **Biochem J** 1980 Aug 15;190(2):349–60
Third–harmonic detection of electron–paramagnetic–resonance spectra: resolution of the hyperfine splitting in nitrosylated nitrite reductase from vegetable marrow (Cucurbita pepo). Cammack R, et al. **Biochem Soc Trans** 1980 Oct;8(5):642
Some properties of nitrite reductase isolated from non–photosynthetic cells of Acer pseudoplatanus L. (sycamore). Grey D, et al. **Biochem Soc Trans** 1980 Oct; 8(5):628–9
Kinetic mechanism of the hydrogen–oxidizing hydrogenase from soybean nodule bacteroids. Arp DJ, et al. **Biochemistry** 1981 Apr 14;20(8):2234–40
Nuclear magnetic resonance study of the exchangeable histidine protons in bovine and wheat germ superoxide dismutases. Burger AR, et al. **Biochemistry** 1980 Sep 2; 19(18):4139–43
Proton and oxygen–17 magnetic resonance relaxation in Rhus laccase solutions: proton exchange with type 2 copper(II) ligands. Goldberg M, et al. **Biochemistry** 1980 Nov 11; 19(23):5181–9
Purification, subunit structure, and immunological properties of chromatin–bound ribonucleic acid polymerase I from cauliflower inflorescence. Guilfoyle TJ. **Biochemistry** 1980 Dec 23;19(26):5966–72
Valyl–tRNA synthetase form yellow lupin seeds: hydrolysis of the enzyme–bound noncognate aminoacyl adenylate as a possible mechanism of increasing specificity of the aminoacyl–tRNA synthetase. Jakubowski H. **Biochemistry** 1980 Oct 28;19(22):5071–8
Wheat germ protein kinase affects the translation of Brome Mosaic virus ribonucleic acid in vitro. Rychlik W, et al. **Biochemistry** 1980 Nov 11;19(23):5249–55
Glycolate formation catalyzed by spinach leaf transketolase utilizing the superoxide radical. Takabe T, et al. **Biochemistry** 1980 Aug 19;19(17):3985–9
Comparative properties of genetically defined peptidases in maize. Vodkin LO, et al. **Biochemistry** 1980 Sep 30; 19(20):4660–7
The rapid purification of a phosphotransferase from wheat shoots. Ademola JI, et al. **Biochim Biophys Acta** 1980 Sep 9;615(1):283–6
Glutamate synthase (NADH) from lupin nodules. Specificity of the 2–oxoglutarate site. Boland MJ, et al. **Biochim Biophys Acta** 1981 Feb 13;657(2):539–42
Inhibition of ribulose–1,5–bisphosphate carboxylase–oxygenase activities by hydroxylamine. Brown HM, et al. **Biochim Biophys Acta** 1980 Aug 7;614(2):545–52
The effect of protein concentration on the activity of beta–fructosidase from radish seedlings. Faye L, et al. **Biochim Biophys Acta** 1980 Oct;615(2):392–401
Properties of L–phenylalanine ammonia–lyase and turnover rate in etiolated and far–red illuminated seedlings of radish. Fourcroy P. **Biochim Biophys Acta** 1980 Jun 13; 613(2):488–98
The oxygen–dependent deactivation and reactivation of spinach ribulose–1,5–bisphosphate carboxylase. Henkel J, et al. **Biochim Biophys Acta** 1980 Aug 7;614(2):564–76
Purification of maize alcohol dehydrogenase–1 allozymes and comparison of their tryptic peptides. Kelly J, et al. **Biochim Biophys Acta** 1980 Jul 24;624(1):102–10
Density labelling characterisation of the effects of cordycepin and cycloheximide on the turnover of phenylalanine ammonia–lyase. Lamb CJ, et al. **Biochim Biophys Acta** 1981 Jun 11;675(1):1–8
Elicitor modulation of the turnover of L–phenylalanine ammonia–lyase in French bean cell suspension cultures. Lawton MA, et al. **Biochim Biophys Acta** 1980 Dec 1; 633(2):162–75
Peroxidase content of soybean root nodules. Puppo A, et al. **Biochim Biophys Acta** 1980 Aug 7;614(2):303–12
Purification and some properties of urate oxidase from nitrogen–fixing nodules of cowpea. Rainbird RM, et al. **Biochim Biophys Acta** 1981 May 14;659(1):132–40
Evidence for an electrogenic ATPase in microsomal vesicles from pea internodes. Rasi–Caldogno F, et al. **Biochim Biophys Acta** 1981 Mar 20;642(1):37–45
Effect of NH4+ on nitrogenase activity in nodule breis and bacteroides from Pisum sativum L. Salminen SO. **Biochim Biophys Acta** 1981 Mar 13;658(1):1–9
Electrochemical titrations of a ferredoxin–ferredoxin:NADP+ oxidoreductase complex. Smith JM, et al. **Biochim Biophys Acta** 1981 Apr 13; 635(2):405–11
Purification of chloroplast alpha–1,4–glucan phosphorylase from spinach leaves by chromatography on Sepharose–bound starch. Steup M. **Biochim Biophys Acta** 1981 May 14;659(1):123–31
Almond glycopeptidase acting on aspartylglycosylamine linkages. Multiplicity and substrate specificity. Takahashi T, et al. **Biochim Biophys Acta** 1981 Feb 13;657(2):457–67
Purification and characterization of a divalent cation–activated ATP–ADPase from pea stem microsomes. Tognoli L, et al. **Biochim Biophys Acta** 1981 Mar 20; 642(1):1–14
Electron microscopy of glutamine synthetase from pea leaf chloroplasts. Tsuprun VL, et al. **Biochim Biophys Acta** 1980 Nov 20;626(1):1–4
Double dioxygenation of arachidonic acid by soybean lipoxygenase–1. Kinetics and regio–stereo specificities of the reaction steps. Van Os CP, et al. **Biochim Biophys Acta** 1981 Jan 26;663(1):177–93
Comparison of the structure and function of ribulosebisphosphate carboxylase––oxygenase from a cold–hardy and nonhardy potato species. Huner NP, et al. **Can J Biochem** 1981 Apr;59(4):280–9
Purification and characterisation of limit dextrinase from Pisum sativum L. Yellowlees D. **Carbohydr Res** 1980 Aug 1;83(1):109–18
The protochlorophyllide holochrome of barley (Hordeum vulgare L.). Isolation and characterization of the NADPH:protochlorophyllide oxidoreductase. Apel K, et al. **Eur J Biochem** 1980 Oct;111(1):251–8
NADH–dependent glutamate synthase from lupin nodules. Reactions with oxidised and reduced 3–acetylpyridine–adenine dinucleotide. Boland MJ. **Eur J Biochem** 1981 Apr;115(3):485–9
Properties and characterization of a spinach chloroplast RNA polymerase isolated from a tanscriptionally active DNA–protein complex. Briat JF, et al. **Eur J Biochem** 1980 Oct;111(2):503–9
Induction by hormones of phenylalanine ammonia–lyase in bean–cell suspension cultures. Inhibition of superinduction by actinomycin D. Jones DH, et al. **Eur J Biochem** 1981 May;116(1):117–25
Glutamate dehydrogenase from peas: isolation, quaternary structure, and influence of cations on activity. Kindt R, et al. **Eur J Biochem** 1980 Dec;112(3):533–40
Covalent structure of turnip peroxidase 7. Cyanogen bromide fragments, complete structure and comparison to horseradish peroxidase C. Mazza G, et al. **Eur J Biochem** 1980 Jul;108(2):481–9
Covalent structure of turnip peroxidase 7. Tryptic peptides. Mazza G, et al. **Eur J Biochem** 1980 Jul;108(2):473–9
Detection and partial characterization of activity of chlorophyll synthetase in etioplast membranes. Rüdiger W, et al. **Eur J Biochem** 1980 Aug;109(1):193–200
Cooperative effects of RNA polymerase from higher plant cells and Escherichia coli: a comparison. Grossmann K, et al. **FEBS Lett** 1980 Jul 28;116(2):193–5
The effects of sulfhydryl reagents on the activity of wheat germ uroporphyrinogen I synthase. Russell CS, et al. **FEBS Lett** 1980 Jul 28;116(2):199–202
Specific and reversible inhibition by aphidicolin in the alpha–like DNA polymerase of plant cells. Sala F, et al. **FEBS Lett** 1980 Aug 11;117(1):93–8
Functional roles of the plant alpha–like and gamma–like DNA polymerases. Sala F, et al. **FEBS Lett** 1981 Feb 9; 124(1):112–8
The enzymology of lysine biosynthesis in higher plants: complete localization of the regulatory enzyme dihydrodipicolinate synthase in the chloroplasts of spinach leaves. Wallsgrove RM, et al. **FEBS Lett** 1980 Jul 28; 116(2):189–92
19S cytosolic malate synthase. A small pool characterized by rapid turnover. Köller W, et al. **Hoppe Seylers Z Physiol Chem** 1980 Sep;361(9):1437–44
Purification & characterization of a nucleoside triphosphatase from Mimosa pudica. Mukherjee J, et al. **Indian J Biochem Biophys** 1980 Dec;17(6):452–6
Changes in glutamate dehydrogenase & glutamate oxaloacetate transaminase activity in developing pods of groundnut. Sengupta UK, et al. **Indian J Exp Biol** 1980 Jul;18(7):773–4
Porphyrin biosynthesis in the soybean callus tissue system–XVIII. Levels of succinyl CoA synthetase, cysthationase, rhodanese, aminolevulinate synthetase and aminolevulinate dehydratase in clones of different age. Vazquez E, et al. **Int J Biochem** 1980;12(5–6):721–4
Porphyrin biosynthesis in the soybean callus system–XVII. Effect of monovalent and divalent cations on the activity of succinyl CoA synthetase. Wider de Xifra EA, et al. **Int J Biochem** 1980;12(5–6):717–9
Apparent subunit heterogeneity of NAD–dependent glyceraldehyde–3–phosphate dehydrogenase from spinach leaves. Speranza ML, et al. **Ital J Biochem** 1980 Mar–Apr; 29(2):113–20
Allergic reactions to enzymes used in plant cloning experiments. Ransom JH, et al. **J Allergy Clin Immunol** 1981 May;67(5):412–5
Biosynthesis of xyloglucan in suspension–cultured soybean cells. An assay method for xyloglucan xylosyltransferase and attempted synthesis of xyloglucan from UDP–D–xylose. Hayashi T, et al. **J Biochem (Tokyo)** 1981 Jan;89(1):325–8
Chemical modification of sulfhydryl groups in soybean beta–amylase. Mikami B, et al. **J Biochem (Tokyo)** 1980 Jul;88(1):103–11
Crystallization and characterization of ribulose 1,5–bisphosphate carboxylase/oxygenase from eight plant species. Johal S, et al. **J Biol Chem** 1980 Sep 25; 255(18):8873–80
Stereochemistry of the myo–inositol–1–phosphate synthase reaction. Loewus MW, et al. **J Biol Chem** 1980 Dec 25; 255(24):11710–2
On the mechanism of effector–mediated activation of ribulose bisphosphate carboxylase/oxygenase. McCurry SD, et al. **J Biol Chem** 1981 Jul 10;256(13):6623–8
Structural basis for the difference of the regulatory properties between potato and rabbit muscle phosphrylases. The NH2–terminal sequence of the potato enzyme. Nakano K, et al. **J Biol Chem** 1980 Oct 10;255(19):9255–61
Enzyme regulation in C4 photosynthesis. Purification and properties of thioredoxin–linked fructose bisphosphatase and sedoheptulose bisphosphatase from corn leaves. Nishizawa AN, et al. **J Biol Chem** 1981 Jun 25; 256(12):6119–26
Light–induced increase of mRNA activity coding for the small subunit of ribulose–1,5–bisphosphate carboxylase. Sasaki Y, et al. **J Biol Chem** 1981 Mar 10;256(5):2315–20
Light–stimulated increase of translatable mRNA for phosphoenolpyruvate carboxylase in leaves of maize. Sims TL, et al. **J Biol Chem** 1981 Aug 25;256(16):8252–5
Deuterium nuclear magnetic resonance study of the interaction of substrates and inhibitors with soybean lipoxygenase. Viswanathan TS, et al. **J Biol Chem** 1981 Jul 25;256(14):7155–60
Structure of glycolate oxidase from spinach at a resolution of 5.5 A. Lindqvist Y, et al. **J Mol Biol** 1980 Oct 25; 143(2):201–11
Optimized preparation and determination of pea seedling diamine oxidase. Kluetz MD, et al. **Prep Biochem** 1980; 10(5):615–31
Preparation of a homogeneous tomato fruit peroxidase. Thomas RL, et al. **Prep Biochem** 1980;10(5):581–96
Malate dehydrogenase: viability of cytosolic nulls and lethality of mitochondrial nulls in maize. Goodman MM, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1783–5
ATP–dependent proton transport into vesicles of microsomal membranes of Zea mays coleoptiles. Hager A, et al. **Z Naturforsch [C]** 1980 Sep–Oct;35(9–10):783–93
Application of liquid chromatography to a study on 4–coumarate: coenzyme A ligase activity. Knogge W, et al. **Z Naturforsch [C]** 1981 Mar–Apr;36(3–4):197–9
Highly efficient purificaton of the labile plant enzyme 5–aminolevulinate dehydratase (EC 4.2.1.24) by means of monoclonal antibodies. Liedgens W, et al. **Z Naturforsch [C]** 1980 Nov–Dec;35(11–12):958–62
Evidence for the participation of a 5–oxo–prolinase in degradation of glutathione in Nicotiana tabacum. Rennenberg H, et al. **Z Naturforsch [C]** 1980 Sep–Oct; 35(9–10):708–11
[Effects of molecular parameters of galacturonan substrate on the activity of a polygalacturonase from tomatoes] Dongowski G, et al. **Nahrung** 1980;24(7):619–26 (Eng. Abstr.) **(Ger)**
[Cyclic nucleotide phosphodiesterase from wheat sprouts. Purification, properties, effect of systemic fungicides] Igumenov BL, et al. **Biokhimiia** 1980 Oct;45(10):1797–803 (Eng. Abstr.) **(Rus)**
[Carboanhydrase from bean leaves] Komarova IuM, et al. **Biokhimiia** 1981 Jun;46(6):1096–101 (Eng. Abstr.) **(Rus)**
[Properties of phospholipase D from Raphanus sativus] Rakhimov MM, et al. **Biokhimiia** 1981 Feb;46(2):240–9 (Eng. Abstr.) **(Rus)**
[Kinetic properties of plant malate dehydrogenase] Tkemaladze GSh. **Biokhimiia** 1981 Jun;46(6):1133–41 (Eng. Abstr.) **(Rus)**
[Properties of metlegoglobin reductase from lupine nodules] Topunov AF, et al. **Biokhimiia** 1980 Nov;45(11):2053–8 (Eng. Abstr.) **(Rus)**
[Some properties of cotton plant phytase] Valikhanov MN, et al. **Biokhimiia** 1981 Jan;46(1):100–2 (Eng. Abstr.) **(Rus)**
[Beta–glycosidase system of sunflowers. Isolation of enzyme and study of their substrate specificity] Zhdanov IuA, et al. **Biokhimiia** 1980 Dec;45(12):2158–64 (Eng. Abstr.) **(Rus)**

GENETICS

Some milestones, approaches and prospects in modern plant genetics. Knopf UC. **Arch Genet (Zur)** 1978;51(3):117–34 (91 ref.)
Inheritance behavior of information coding for small subunit polypeptides of fraction 1 protein. Chen K, et al. **Biochem Genet** 1980 Dec;18(11–12):1175–84
Trisomic analysis of isozymic loci in tomato species: segregation and dosage effects. Fobes JF. **Biochem Genet** 1980 Apr;18(3–4):401–21
Genetic control of chalcone isomerase activity in flowers of Dianthus caryophyllus. Forkmann G, et al. **Biochem Genet** 1980 Jun;18(5–6):519–27
Polypeptide composition of fraction 1 protein of the somatic hybrid between Petunia parodii and Petunia parviflora. Kumar A, et al. **Biochem Genet** 1981 Apr;19(3–4):255–61
Mutants of Arabidopsis thaliana with altered responses to auxins and gravity. Maher EP, et al. **Biochem Genet** 1980 Dec;18(11–12):1041–53
Individual quantitative rDNA variation in three species of the Cucurbitaceae family. Marazia T, et al. **Biochem Genet** 1980 Jun;18(5–6):509–17
Isozymes in wheat–barley hybrid derivative lines. Powling

A, et al. **Biochem Genet** 1981 Apr;19(3-4):237-54
Biochemical properties and level of expression of alcohol dehydrogenases in the allotetraploid plant Tragopogon miscellus and its diploid progenitors. Roose ML, et al. **Biochem Genet** 1980 Dec;18(11-12):1065-85
Inheritance of electrophoretic variants of tuber proteins in Solanum tuberosum haploids. Simon PW, et al. **Biochem Genet** 1980 Dec;18(11-12):1055-63
DNA sequence organization in the flax genome. Cullis CA. **Biochim Biophys Acta** 1981 Jan 29;652(1):1-15
Evidence for the involvement of recombination and amplification events in the evolution of Secale chromosomes. Bedbrook J, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 2:755-60
Nucleotide sequence organization in plant chromosomes and evidence for sequence translocation during evolution. Flavell RB, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 2:501-8
The role of controlling elements in the instability of flower color in Antirrhinum majus and Impatiens balsamina. Sastry GR, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 2:477-86
Chromosome behaviour in Rhoeo spathacea var. variegata. Lin YJ. **Cytobios** 1980;27(106):113-28
Genetic control of plastid differentiation. 3 ultrastructure of plastids in different green revertant spots of the plastom mutant Pl-alb1 of Lycopersicon esculentum. Samsonova IA, et al. **Cytobios** 1981;30(117):41-8
Ultrastructure and biochemistry of two mutants in Hosta (Liliaceae). Vaughn KC, et al. **Cytobios** 1980;27(106):71-80
An ultrastructural survey of plastome mutants of Hosta (Liliaceae). Vaughn KC, et al. **Cytobios** 1980;28(110):71-83
Induced mutagenesis in Vicia faba L. 1 Chlorophyll mutations induced by gamma rays, ethyl methane sulphonate and hydrazine. Vishnoi AK, et al. **Cytobios** 1980;27(106):81-7
In situ monitoring with Tradescantia around nuclear power plants. Ichikawa S. **Environ Health Perspect** 1981 Jan; 37:145-64
Self-incompatibility system of Oenothera organensis for the detection of genetic effects at low radiation doses. Ramulu KS, et al. **Environ Health Perspect** 1981 Jan;37:43-51
Maternal inheritance of cytochrome f in interspecific Nicotiana hybrids. Gray JC. **Eur J Biochem** 1980 Nov; 112(1):39-46
Arrangement of chromosomes in the interphase nucleus of plants. Avivi L, et al. **Hum Genet** 1980;55(3):281-95 (188 ref.)
Sequence specificity of methylation in higher plant DNA. Gruenbaum Y, et al. **Nature** 1981 Aug 27;292(5826):860-2
A cDNA clone from Zea mays endosperm sucrose synthetase mRNA. Geiser M, et al. **Nucleic Acids Res** 1980 Dec 20; 8(24):6175-88
Characterisation of the genes for ribosomal RNA in flax. Goldsbrough PB, et al. **Nucleic Acids Res** 1981 Mar 25; 9(6):1391-9
Elimination of plastids during spermatogenesis and fertilization in the plant kingdom. Sears BB. **Plasmid** 1980 Nov;4(3):233-55 (175 ref.)
The interaction of Agrobacterium Ti-plasmid DNA and plant cells. Van Montagu M, et al. **Proc R Soc Lond [Biol]** 1980 Nov 19;210(1180):351-65
Structure and evolution of photosynthetic accessory pigment systems with special reference to phycobiliproteins. Glazer AN. **UCLA Forum Med Sci** 1979;(21):221-44 (89 ref.)
[Coincidence of Feulgen-achromasia, in situ hybridization and silver banding in four nucleolus organizers of Vicia sativa (author's transl)] Burger EC, et al. **Eur J Cell Biol** 1980 Aug;21(3):313-8 (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

Economic and technological problems associated with bulk production of plants from tissue culture. Holdgate DP. **Biochem Soc Trans** 1980 Aug;8(4):477-9
A decrease in intercellular space accompanies auxin-induced abortion in somatic carrot embryos. Warren GS. **Biochem Soc Trans** 1980 Oct;8(5):627-8
Linear dichroism of microalgae, developing thylakoids and isolated pigment-protein complexes in stretched poly(vinyl alcohol) films at 77 K. Biggins J, et al. **Biochim Biophys Acta** 1980 Oct 3;592(3):565-76
[1H]Spin-echo nuclear magnetic resonance in plant tissue. I. The effect of Mn(II) and water content in wheat leaves. van As H, et al. **Biophys J** 1980 Dec;32(3):1043-9
Changes in polygalacturonase isoenzymes during the 'ripening' of normal and mutant tomato fruit. Tucker GA, et al. **Eur J Biochem** 1980 Nov;112(1):119-24
The effect of extracts from Radix saponariae on Paramecium primaurelia and Lepidium sativum L. Oświecimska M, et al. **Folia Biol (Krakow)** 1980;28(2):163-9
Sensitivity of Paramecium primaurelia and Lepidium sativum to extracts from Folium urticae. Oświecimska M, et al. **Folia Biol (Krakow)** 1980;28(3):245-51
Pteridine excretion from cells as indicator of cell proliferation. Wachter H, et al. **Naturwissenschaften** 1980 Dec;67(12):610-1
[Plant hormones as bioregulators (author's transl)] Bruinsma J. **Arzneimittelforsch** 1980;30(11a):1965-9 (Eng. Abstr.) **(Ger)**
[Bioregulators. Introduction to the topic from the general and clinical point of view] Gillmann H. **Arzneimittelforsch** 1980;30(11a):1963-4 **(Ger)**
[The practical application of plant bioregulators (author's transl)] Jung J. **Arzneimittelforsch** 1980;30(11a):1974-80 (Eng. Abstr.) **(Ger)**
[Control of flower formation (author's transl)] Schwemmle B. **Arzneimittelforsch** 1980;30(11a):1970-4 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Purification of lectin from a tropical plant Momordica dioica Roxb. Ghosh BN, et al. **Indian J Exp Biol** 1981 Mar; 19(3):253-5

METABOLISM

Calmodulin-activated plant microsomal Ca2+ uptake and purification of plant NAD kinase and other proteins by calmodulin-Sepharose chromatography. Dieter P, et al. **Ann NY Acad Sci** 1980;356:371-3
Partial characterization of cyclic electron transport in intact chloroplasts. Crowther D, et al. **Arch Biochem Biophys** 1980 Oct 15;204(2):568-77
Intracellular metabolite gradients and flow of carbon during photosynthesis of leaf protoplasts. Giersch C, et al. **Arch Biochem Biophys** 1980 Nov;205(1):246-59
Compartmentation and export of 14CO2 fixation products in mesophyll protoplasts from the C4-plant Digitaria sanguinalis. Hallberg M, et al. **Arch Biochem Biophys** 1981 Apr 15;208(1):121-30
In vitro biosynthesis of the cyanogenic glucoside taxiphyllin in Triglochin maritima. Hösel W, et al. **Arch Biochem Biophys** 1980 Sep;203(2):753-7
Increase of degree of spermidine stimulation of polypeptide synthesis in the presence of phosphate. Igarashi K, et al. **Arch Biochem Biophys** 1981 Mar;207(1):128-34
The oxidation-reduction potential of P-700 in chloroplast lamellae and subchloroplast particles. Setif P, et al. **Arch Biochem Biophys** 1980 Oct 15;204(2):477-85
Tocopherol and plastoquinone synthesis in spinach chloroplasts subfractions. Soll J, et al. **Arch Biochem Biophys** 1980 Oct 15;204(2):544-50
Inhibition of polypeptide synthesis initiation by a change of Mg++ concentration in wheat germ cell-free systems. Algranati ID. **Biochem Biophys Res Commun** 1980 Sep 16; 96(1):54-60
Spectroelectrochemical determination of the heterogeneous electron transfer kinetics of soluble spinach ferredoxin. Crawley CD, et al. **Biochem Biophys Res Commun** 1981 Mar 31;99(2):516-22
Inhibition of stable RNA synthesis and production of a novel RNA in heat-stressed plants. Dawson WO, et al. **Biochem Biophys Res Commun** 1981 May 15;100(1):23-30
Recycling of methionine sulfur in a higher plant by two pathways characterized by either loss or retention of the 4-carbon moiety. Giovanelli J, et al. **Biochem Biophys Res Commun** 1981 May 29;100(2):831-9
Stimulation of polypeptide synthesis by spermidine at the level of initiation in rabbit reticulocyte and wheat germ cell-free systems. Igarashi K, et al. **Biochem Biophys Res Commun** 1980 Nov 28;97(2):480-6
The occurrence of phosphatidyl choline exchange protein in leaves. Tanaka T, et al. **Biochem Biophys Res Commun** 1980 Sep 16;96(1):394-9
Decrease in phytochrome pelletability induced by green + far-red light in Trifolium repens. Vicente C, et al. **Biochem Biophys Res Commun** 1981 May 15;100(1):17-22
Biosynthesis of glycoproteins by membranes of Acer pseudoplatanus. Incorporation of mannose and N-acetylglucosamine. Barr J, et al. **Biochem J** 1980 Nov 15;192(2):569-77
Partial characterization of the polyisoprenoid carrier of N-acetylglucosamine in Glycine max (soya bean). Chadwick CM, et al. **Biochem J** 1980 Aug 15;190(2):255-61
General characteristics of normal and stress-enhanced protein degradation in Lemna minor (duckweed). Cooke RJ, et al. **Biochem J** 1980 Nov 15;192(2):499-506
Mechanism of formation of the A/B cis ring junction of ecdysteroids in Polypodium vulgare. Davies TG, et al. **Biochem J** 1980 Sep 15;190(3):537-44
A biotechnology of photosynthetic cells based on the use of solar energy. Gudin C, et al. **Biochem Soc Trans** 1980 Aug;8(4):481-2
Inhibition of fatty acid biosynthesis by metronidazole. Harwood JL, et al. **Biochem Soc Trans** 1980 Oct;8(5):535-6
Sucrose utilization by cell suspension cultures of Catharanthus roseus G. Don. Morris P, et al. **Biochem Soc Trans** 1980 Oct;8(5):630-1
Lipid metabolism in developing wheat (Triticum aestivum) seeds. Stokes DN, et al. **Biochem Soc Trans** 1980 Oct; 8(5):533
Growth characteristics of carbohydrate-limited cultures of sycamore (Acer pseudoplatanus L.) cells. Watson R, et al. **Biochem Soc Trans** 1980 Oct;8(5):629-30
Induction and expression of nodule-specific host genes in effective and ineffective root nodules of soybean. Auger S, et al. **Biochemistry** 1981 Mar 3;20(5):1300-6
Effect of cations on the linear dichroism and selective polarized light scattering of thylakoids. Biggins J. **Biochim Biophys Acta** 1981 Apr 13;635(2):259-66
Kinetic models for the electron donors of photosystem II of photosynthesis. Bouges-Bocquet B. **Biochim Biophys Acta** 1980 Dec;594(2-3):85-103 (112 ref.)
Factors regulating the slow electrogenic phase in green algae and higher plants. Bouges-Bocquet B. **Biochim Biophys Acta** 1981 Apr 13;635(2):327-40
Analysis of the slow phases of the in vivo chlorophyll fluorescence induction curve. Changes in the redox state of photosystem II electron acceptors and fluorescence emission from photosystems I and II. Bradbury M, et al. **Biochim Biophys Acta** 1981 May 13;635(3):542-51
Picosecond fluorescence kinetics and fast energy transfer processes in photosynthetic membranes. Breton J, et al. **Biochim Biophys Acta** 1980 Dec 22;594(1):1-32 (105 ref.)
Purification and characterization of protein synthesis initiation factor eIF-3 from wheat germ. Ceglarz E, et al. **Biochim Biophys Acta** 1980 Nov 14;610(1):181-8
Uniparental inheritance of a chloroplast photosystem II polypeptide controlling herbicide binding. Darr S, et al. **Biochim Biophys Acta** 1981 Jan 14;634(1):219-28
Metabolic regulation by pH gradients. Inhibition of photosynthesis by indirect proton transfer across the chloroplast envelope. Enser U, et al. **Biochim Biophys Acta** 1980 Oct 3;592(3):577-91
Synthesis of complementary DNAs to partially purified mRNAs coding for the storage proteins of Pisum sativum (L). Evans IM, et al. **Biochim Biophys Acta** 1980 Nov 14; 610(1):81-95
Amine transport at the plasmalemma of Riccia fluitans. Felle H. **Biochim Biophys Acta** 1980 Oct 16;602(1):181-95
Inverse relationship of protein concentration and binding activity of alpha-galactoside receptors from sugarcane membranes. Kenfield DS, et al. **Biochim Biophys Acta** 1980 Aug 14;600(3):705-12
A comparison of the phosphorylation potential and electrochemical proton gradient in mung bean mitochondria and phosphorylating sub-mitochondrial particles. Moore AL, et al. **Biochim Biophys Acta** 1981 Jan 14;634(1):117-28
Chemical, physicochemical and spectrophotometric properties of crystalline chlorophyll-protein complexes from Lepidium virginicum L. Murata T, et al. **Biochim Biophys Acta** 1981 Apr 13;635(2):341-7
Transmembrane distribution of phospholipids and their involvement in electron transport, as revealed by phospholipids A2 treatment of spinach thylakoids. Rawyler A, et al. **Biochim Biophys Acta** 1981 Apr 13;635(2):348-58
Relative activities of linear and cyclic electron flows during chloroplast CO2-fixation. Slovacek RE, et al. **Biochim Biophys Acta** 1980 Oct 3;592(3):495-505
Effect of surface potential on P-700 reduction in chloroplasts. Tamura N, et al. **Biochim Biophys Acta** 1980 Oct 3; 592(3):536-45
Compartmental analysis of sulphate transport in Lemna minor L., taking plant growth and sulphate metabolization into consideration. Thoiron A, et al. **Biochim Biophys Acta** 1981 Jun 9;644(1):24-35
Effects of bulk pH and of monovalent and divalent cations on chlorophyll a fluorescence and electron transport in pea thylakoids. Wong D, et al. **Biochim Biophys Acta** 1980 Oct 3;592(3):546-58
Biochemical aspects of DNA replication with particular reference to plants. Bryant JA. **Biol Rev** 1980 Aug; 55(3):237-84 (231 ref.)
Accumulation of copper in fluvial sediments and yellow water lilies (Nuphar lutea) at varying distances from a metal processing plant. Aulio K. **Bull Environ Contam Toxicol** 1980;25(5):713-7
Disappearance of acephate, methamidophos, and malathion from citrus foliage. Nigg HN, et al. **Bull Environ Contam Toxicol** 1981 Feb;26(2):267-72
Synthesis of very high molecular weight thyroglobulin in three heterologous systems. Eggo MC, et al. **Can J Biochem** 1980 May;58(5):446-55
ADP-ribosylation of rye histones. Laroche A, et al. **Can J Biochem** 1980 Sep;58(9):692-5
Effect of freezing on the release and inactivation of chloroplast coupling factor 1. Lineberger RD, et al. **Cryobiology** 1980 Oct;17(5):486-94
Wound-regulated synthesis and vacuolar compartmentation of proteinase inhibitors in plant leaves. Ryan CA. **Curr Top Cell Regul** 1980;17:1-23 (58 ref.)
Coupling of replication, transcription and translation under two different steady state conditions in Allium cepa meristems. de la Torre C, et al. **Cytobios** 1981;30(117):7-18
Accumulation and depuration of metals by duckweed (Lemna perpusilla). Clark JR, et al. **Ecotoxicol Environ Safety** 1981 Mar;5(1):87-96
Turnover of the poly(A) moiety of mRNA in wheat-germ extract. Abraham AK, et al. **Eur J Biochem** 1980 Sep; 110(1):1-5
Reconstitution of photosynthetic energy conservation. II. Photophosphorylation in liposomes containing photosystem-I reaction center and chloroplast coupling-factor complex. Hauska G, et al. **Eur J Biochem** 1980 Oct;111(2):535-43
Light-induced appearance of polysomal poly(A)-rich messenger RNA during greening of barley plants. Heinze H, et al. **Eur J Biochem** 1980 Oct;111(1):137-44
Mechanism of uptake of L-arginine by sugar-cane cells. Komor E, et al. **Eur J Biochem** 1981 Jun 1;116(3):527-33
Comparative study of levels of secondary processing in bulk mRNA from dry and germinating wheat embryos. Lane BG, et al. **Eur J Biochem** 1981 Mar;114(3):457-63
Reconstitution of photosynthetic energy conservation. I.

Proton movements in liposomes containing reaction center of photosystem I from spinach chloroplasts. Orlich G, et al. **Eur J Biochem** 1980 Oct;111(2):525–33

Role of lipids in functions of photosynthetic membranes revealed by treatment with lipolytic acyl hydrolase. Rawyler A, et al. **Eur J Biochem** 1980 Sep;110(1):179–87

Oxygenation of benzo[a]pyrene by plant microsomal fractions. v.d. Trenck T, et al. **FEBS Lett** 1980 Oct 6; 119(2):227–31

Naturally occurring phenalenones and related compounds. Cooke RG, et al. **Fortschr Chem Org Naturst** 1981; 40:153–90 (84 ref.)

Increased cesium uptake by water tupelo under inundated conditions. McLeod KW, et al. **Health Phys** 1980 Nov; 39(5):809–12

The biochemistry of of phenolic compounds in higher plants. Abstracts. **Hoppe Seylers Z Physiol Chem** 1981 Jan; 362(1):1–16

Trans-cellular osmosis in internodal Characean cells. Srivastava RC, et al. **Indian J Biochem Biophys** 1980 Oct; 17(5):377–9

Influence of streptomycin on alpha-amylase formation isolated endosperms & protein pattern in intact seedlings of rice Oryza sativa L. Bag A, et al.
Indian J Exp Biol 1980 Jul;18(7):768–70

Malathion exposed seeds of Vigna sinensis (L): changes at protein & nucleic acid levels. Chakrabarti S, et al.
Indian J Exp Biol 1980 Aug;18(8):896–8

Enzymatic degradation of the plant cell wall by a Bacteroides of human fecal origin. Dekker J, et al.
J Agric Food Chem 1981 May–Jun;29(3):480–4

Metal uptake by crops grown over entrenched sewage sludge. Sikora LJ, et al. **J Agric Food Chem** 1980 Nov–Dec; 28(6):1181–5

Reduction of polychlorinated biphenyl toxicity and uptake of carbon-14 activity by plants through the use of activated carbon. Strek HJ, et al. **J Agric Food Chem** 1981 Mar–Apr; 29(2):288–93

Electron transfer reactions between cytochrome f and plastocyanin from Brassica komatsuna. Niwa S, et al.
J Biochem (Tokyo) 1980 Oct;88(4):1177–83

Electron transfer reactions of cytochrome f from Brassica komatsuna with hexacyanoferrate. Takabe T, et al.
J Biochem (Tokyo) 1980 Oct;88(4):1167–76

Polyadenylated RNA sequences which are reduced in concentration following auxin treatment of soybean hypocotyls. Baulcombe DC, et al. **J Biol Chem** 1980 Sep 25;255(18):88907–13

Homology between chloroplast and prokaryotic initiator tRNA. Nucleotide sequence of spinach chloroplast methionine initiator tRNA. Calagan JL, et al.
J Biol Chem 1980 Oct 25;255(20):9981–4

Concentration and metabolic turnover of UDP-glucose in developing cotton fibers. Carpita NC, et al.
J Biol Chem 1981 Jan 10;256(1):308–15

Characterization of initiation factor eIF-3 from wheat germ. Checkley JW, et al. **J Biol Chem** 1981 Feb 25;256(4):1582–6

The in vitro biosynthesis of taxiphyllin and the channeling of intermediates in Triglochin maritima. Cutler AJ, et al. **J Biol Chem** 1981 May 10;256(9):4253–8

Cotton messenger RNA sequences exist in both polyadenylated and nonpolyadenylated forms. Galau GA, et al. **J Biol Chem** 1981 Mar 10;256(5):2551–60

Structural integrity of DNA and translational integrity of ribosomes in nuclease-treated cell-free protein synthesizing systems prepared from wheat germ and rabbit reticulocytes. Kennedy TD, et al. **J Biol Chem** 1981 Jun 10; 256(11):5802–9

In vivo synthesis of 6-azauridine 5'-triphosphate and incorporation of 6-azauridine into RNA of germinating wheat embryonic axes. Rodaway S, et al. **J Biol Chem** 1980 Sep 25;255(18):8402–4

The steady state kinetics of photophosphorylation. Selman BR, et al. **J Biol Chem** 1981 Feb 25;256(4):1722–6

Wall regeneration by plasmolysed cells from tissue suspension cultures of Sphaerocarpos donnellii. Grusak MA, et al.
J Cell Sci 1980 Jun;43:167–75

Local biosynthesis rates of cytoplasmic constituents in growing tissue. Silk WK, et al. **J Theor Biol** 1980 Apr 21;83(4):701–3

Organization and expression of the mitochondrial genome of plants. I. The genes for wheat mitochondrial ribosomal and transfer RNA: evidence for an unusual arrangement. Bonen L, et al. **Nucleic Acids Res** 1980 Jan 25;8(2):319–35

Variations in the satellite DNA content of Cucumis melo in relation to dedifferentiation and hormone concentration. Grisvard J, et al. **Nucleic Acids Res** 1980 Jun 25; 8(12):2843–58

Mapping of rRNA genes in an inverted repeat in Nicotiana tabacum chloroplast DNA. Jurgenson JE, et al.
Nucleic Acids Res 1980 Aug 25;8(16):3505–16

Effects of protectants on the activity of wheat mitochondria. Goldstein AH, et al. **Prep Biochem** 1981;11(1):33–47

Preferential replication of repeated DNA sequences in nuclei isolated from soybean cells grown in suspension culture. Caboche M, et al. **Proc Natl Acad Sci USA** 1981 Mar; 78(3):1731–5

The rapidly metabolized 32,000-dalton polypeptide of the chloroplast is the 'proteinaceous shield' regulating photosystem II electron transport and mediating diuron herbicide sensitivity. Mattoo AK, et al.
Proc Natl Acad Sci USA 1981 Mar;78(3):1572–6

The synthesis of acyl lipids in plant tissues. Harwood JL. **Prog Lipid Res** 1979;18(2):55–86 (288 ref.)

Fate of polychlorinated biphenyls (PCBs) in soil-plant systems. Pal D, et al. **Residue Rev** 1980;74:45–98 (79 ref.)

Fraction I protein. Bottomley W.
Results Probl Cell Differ 1980;10:179–99 (133 ref.)

Biosynthesis of thylakoids and the membrane-bound enzyme systems of photosynthesis. Herrmann FH, et al.
Results Probl Cell Differ 1980;10:147–77 (224 ref.)

Plastid DNA-the plastome. Herrmann RG, et al.
Results Probl Cell Differ 1980;10:45–96 (268 ref.)

RNA and protein synthesis in plastid differentiation. Wollgiehn R, et al. **Results Probl Cell Differ** 1980;10:97–145 (257 ref.)

Evidence for uptake of plamid DNA into intact plants (Lemna perpusilla) proved by an E. coli transformation assay. Frey M, et al. **Z Naturforsch [C]** 1980 Nov–Dec; 35(11–12):1104–6

The dynamics of amino acid variations during pathogenesis and host resistance. Prasad M.
Zentralbl Bakteriol [Naturwiss] 1980;135(2):162–84 (157 ref.)

[Nitrates of agricultural origin: their accumulation in plants and their effect on the environment] Blanc D, et al.
Ann Nutr Aliment 1980;34(5–6):791–806 (Eng. Abstr.) **(Fre)**

[Determination of the accumulation of nitrates in plant tissues] Coïc Y, et al. **Ann Nutr Aliment** 1980; 34(5–6):929–36 (Eng. Abstr.) **(Fre)**

[Formation of polyunsaturated fatty acids in plants] Mazliak P. **Ann Nutr Aliment** 1980;34(2):189–206 (23 ref.) (Eng. Abstr.) **(Fre)**

[Adjustment of nitrogen fertilization to the needs of plants and limitations posed by the risk of nitrate accumulation and pollution of the soil and subsoil] Muller JC.
Ann Nutr Aliment 1980;34(5–6):937–46 (Eng. Abstr.) **(Fre)**

[Role of 'Laro' in the manufacturing of 'toaka gasy' (artisanal rum)] Rasolofonirina N, et al.
Arch Inst Pasteur Madagascar 1980;47(1):309–23 **(Fre)**

[Biosynthesis of alpha-tocopherol (vitamin E), phylloquinone (2-methyl-3-phytylnaphtoquinone, vitamin K1) and other prenylquinones in plants. On the problem of inability of the biosynthesis in animals--a survey (author's transl)] Schultz G, et al. **DTW** 1980 Nov 5;87(11):410–2 (19 ref.) (Eng. Abstr.) **(Ger)**

[Utilization of Eichornia crassipes to improve certain characteristics of water (preliminary note)] Forgione P, et al. **Boll Soc Ital Biol Sper** 1980 Oct 30;56(20):2145–50 (Eng. Abstr.) **(Ita)**

[Determination of the cavitation threshold in biological tissues by the luminescence developing on exposure to ultrasound] Akopian VB. **Biofizika** 1980 Sep–Oct; 25(5):873–6 **(Rus)**

[Replication and methylation of DNA in cells of tobacco suspension culture and the effect of auxin] Bashkite EA, et al. **Biokhimiia** 1980 Aug;45(8):1448–56 (Eng. Abstr.) **(Rus)**

[Glycerolipid biosynthesis in vivo in subcellular fractions of greening wheat sprouts] Grechkin AN, et al. **Biokhimiia** 1980 Oct;45(10):1804–9 (Eng. Abstr.) **(Rus)**

[Isolation and properties of the pigment-protein complex (protochlorophyllide - holochrome) from etiolated leaves of corn sprouts] Nikolaeva LF, et al. **Biokhimiia** 1981 Jan; 46(1):22–8 (Eng. Abstr.) **(Rus)**

[DNA methylation in wheat seedling and influence of phytohormones] Vaniushin BF, et al. **Biokhimiia** 1981 Jan; 46(1):47–54 (Eng. Abstr.) **(Rus)**

[Nitrogen fixation productivity in the plant phyllosphere] Sadykov BF, et al. **Mikrobiologiia** 1980 Nov–Dec; 49(6):998–1002 (Eng. Abstr.) **(Rus)**

[Model of water participation in stabilization of charges in primary photosynthesis events] Fok MV, et al.
Mol Biol (Mosk) 1981 May–Jun;15(3):575–82 **(Rus)**

[Electron spin resonance of electron transport in photosynthetic systems. IX. Temperature dependence of the kinetics of P700 redox transients in bean chloroplasts induced by flashes of different duration] Tikhonov AN, et al. **Mol Biol (Mosk)** 1980;14(1):157–72 (Eng. Abstr.) **(Rus)**

[Change in the state of DNP during the course of endothecium cell differentiation in lily anthers] Reznikova SA, et al. **Tsitol Genet** 1980 May–Jun;14(3):31–6 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Intraspecies variability in transmission efficiency of stylet-borne viruses by the pea aphid (Acyrthosiphon pisum). Jurik M, et al. **Acta Virol (Praha)** 1980 Sep; 24(5):351–7

Effects of monoparacoumarylputrescinium chloride on the hypersensitive reaction of Gomphrena globosa leaves to tomato bushy stunt virus. Pennazio S, et al.
Acta Virol (Praha) 1981 Mar;25(2):115–21

Characterization of an effective actinorhizal microsymbiont, Frankia sp. AvcI1 (Actinomycetales). Baker D, et al.
Can J Microbiol 1980 Sep;26(9):1066–71

Characterization of an ineffective actinorhizal microsymbiont, Frankia sp. EuI1 (Actinomycetales). Baker D, et al. **Can J Microbiol** 1980 Sep;26(9):1072–89

N2 fixation in the rhizosphere of Thalassia testudinum. Capone DG, et al. **Can J Microbiol** 1980 Aug; 26(8):998–1005

Evidence that associated soil bacteria may influence root hair infection of actinorhizal plants by Frankia. Knowlton S, et al. **Can J Microbiol** 1980 Aug;26(8):971–7

Isolation of a nitrogen-fixing Campylobacter species from the roots of Spartina alterniflora Loisel. McClung CR, et al. **Can J Microbiol** 1980 Aug;26(8):881–6

Helical, motile mycoplasmas associated with flowers and honey bees in California. Raju BC, et al.
Can J Microbiol 1981 Feb;27(2):249–53

The mechanism of entry of viruses into plant protoplasts. Watts JW, et al. **Ciba Found Symp** 1980 May 13–15; 80:56–71 (24 ref.)

Elaboration of cellulose fibrils by Agrobacterium tumefaciens during attachment to carrot cells. Matthysse AG, et al.
J Bacteriol 1981 Jan;145(1):583–95

Identification of small polyhedral virus particles in thin sections of plant cells by an enzyme cytochemical technique. Hatta T, et al. **J Ultrastruct Res** 1981 Jan; 74(1):116–29

Immunochemical detection of ds-RNA in healthy and virus-infected plants and specific detection of viral ds-RNA by hybridization to labelled complementary DNA. Gould AR, et al. **J Virol Methods** 1981 Apr; 2(5):277–86

Specific adsorption of bacteria to clover root hairs, related to the presence of the plasmid pWZ2 in cells of Rhizobium trifolii. Zurkowski W. **Microbios** 1980;27(107):27–32

Rhizo-zoogleae at the soil-plant interface: (Fluorescence- and polarization-microscopical insight). Pauli FW.
Mikroskopie 1980 Oct;36(7–8):213–21

Variation in Rhizoctonia bataticola isolates. Anilkumar TB, et al. **Zentralbl Bakteriol [Naturwiss]** 1980;135(3):246–51

[Some observations on the influence of ecological factors on the occurrence and the distribution of plant parasitic nematodes in the Democratic Republic of Sudan] Decker H, et al. **Beitr Trop Landwirtsch Veterinaermed** 1980; 18(2):181–7 (Eng. Abstr.) **(Ger)**

[The importance of weeds for the transmission of Rhizoctonia solani Kühn. IV. The role of weeds in the overwintering of the pathogen (author's transl)] Griesbach E.
Zentralbl Bakteriol [Naturwiss] 1980;135(3):195–200 (Eng. Abstr.) **(Ger)**

[Mechanisms of plant resistance against virus infection (author's transl)] Bujarski JJ. **Postepy Biochem** 1980; 26(3):477–97 **(Pol)**

[Isolation of the causative agent of chromomycosis from environmental objects and the experimental study of its pathogenic properties] Agarunova IuS, et al.
Med Parazitol (Mosk) 1980 Nov–Dec;49(6):57–61 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

Rhizosphere fungi of five plants in Egypt. El-Hissy FT, et al. **Z Allg Mikrobiol** 1980;20(3):177–84

[Epidemiological data on human distomatosis (Fasciola hepatica L.) in the Limousin region of France. The species of plants eaten and snail hosts] Rondelaud D.
Ann Parasitol Hum Comp 1980 Jul–Aug;55(4):393–405 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Identification of a spathe regreening factor in Zantedeschia aethiopica. Chaves das Neves HJ, et al.
Biochem Biophys Res Commun 1980 Aug 29;95(4):1387–92

The effect of carbohydrates on the greening of plant cultures. Dalton C. **Biochem Soc Trans** 1980 Aug;8(4):475–7

Metabolism of lipids during chloroplast differentiation in barley (Hordeum vulgare). Davies AO, et al.
Biochem Soc Trans 1980 Oct;8(5):534

Nascent replicons are synchronously joined at the end of S phase or during G2 phase in peas. Schvartzman JB, et al. **Biochim Biophys Acta** 1981 Apr 27;653(2):185–92

Electrochemical healing similarities between animals and plants. Gensler W. **Biophys J** 1979 Sep;27(3):461–6

Measurement of the pyroelectric coefficient and permittivity on Rhododendron and Encephalartos leaves and on the insect Periplaneta americana. Simhony M, et al.
Biophys J 1980 Feb;29(2):331–7

Common and disparate elements in the processes of adaption of herbaceous and woody plants to freezing--a perspective. Siminovitch D. **Cryobiology** 1981 Apr;18(2):166–85 (73 ref.)

Intergeneric hybridization and speciation between two leptosporangiate ferns. Vaudois B. **Cytobios** 1980; 29(114):69–79 **(Eng, Fre)**

A transient accumulation of poly(A)-containing RNA in the tapetum of Hyoscyamus niger during microsporogenesis. Raghavan V. **Dev Biol** 1981 Jan 30;81(2):342–8

Correlation of nucleolar activity and nucleolar vacuolation in plant cells. Morena-Días de la Espina S, et al.
Eur J Cell Biol 1980 Oct;22(2):724–9

PEA (Pisum sativum) cells arrested in G2 have nascent DNA with breaks between replicons and replication clusters. Van't Hof J. **Exp Cell Res** 1980 Sep;129(1):231–7

Effects of mercury, copper & zinc on the growth, cell division, GA-induced alpha-amylase synthesis & membrane permeability of plant tissues. Nag P, et al.
Indian J Exp Biol 1980 Aug;18(8):822–7

The use of alpha-amanitin to inhibit in vivo RNA synthesis and germination in wheat embryos. Jendrisak J.
J Biol Chem 1980 Sep 25;255(18):8529–33

The effect of tumour sera on the growth of plant tissues. Ruppel HG, et al. **Naturwissenschaften** 1981 May; 68(5):271–2

Relationship of 60-Hz electric-field parameters to the inhibition of growth of Pisum sativum roots. Robertson D, et al. **Radiat Environ Biophys** 1981;19(3):227–33

The continuity of plastids and the differentiation of plastid populations. Butterfass T. **Results Probl Cell Differ** 1980; 10:29–44 (52 ref.)

The survival, division and differentiation of higher plant plastids outside the leaf cell. Leech RM. **Results Probl Cell Differ** 1980;10:225–35 (46 ref.)

Factors in chloroplast differentiation. Sundqvist C, et al. **Results Probl Cell Differ** 1980;10:201–24 (251 ref.)

Combined bright field and fluorescence staining of paraffin sections for studying the fertilization process in plants. Polito VS, et al. **Stain Technol** 1981 May;56(3):195–8

[Dependence of the shape of variable electric potential on plant constant electric field] Tsaplev IuB, et al. **Biofizika** 1981 May–Jun;26(3):522–6 (Eng. Abstr.) **(Rus)**

[Electrical nature of the spread of the variable potential of Tradescantia] Tsaplev IuB, et al. **Biofizika** 1980 Jul–Aug; 25(4):708–12 (Eng. Abstr.) **(Rus)**

[Similarity of non-histone proteins of chromatin from the differentiation zone of pea root and stem. Lack of pronounced organ specificity] Mel'nichuk IuP. **Biokhimiia** 1980 Jun;45(6):1027–32 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

On the origin of light-induced changes in the proton magnetic relaxation rate of chloroplast thylakoid membrane suspensions. Robinson HH, et al. **Arch Biochem Biophys** 1981 Mar;207(1):1–8

Effects of dose fractionation after irradiation with neutrons produced by 600 MeV protons. Bianchi M, et al. **Br J Radiol** 1981 Jun;54(642):532–4

The biological effect of very high energy hadrons. Baarli J, et al. **Int J Radiat Biol** 1981 May;39(5):559–63

The regeneration of epidermal cells of Saintpaulia leaves as a new plant-tissue system for cellular radiation biology. Engels FM, et al. **Int J Radiat Biol** 1980 Sep;38(3):309–21

Somatic aberrations in relation to lethality in Tradescantia stamen hairs: the influence of radiation dose and quality. Underbrink AG, et al. **Int J Radiat Biol** 1980 Oct; 38(4):417–26

mRNA-dependent regulation of UDP-apiose synthase activity in irradiated plant cells. Gardiner SE, et al. **J Biol Chem** 1980 Nov 25;255(22):10752–7

Effects of 1.9 MeV monoenergetic neutrons on Vicia faba chromosomes: microdosimetric considerations. Geard CR. **Radiat Environ Biophys** 1980;18(2):79–89

RBE of 650-MeV helium ions at different depths for chromosome aberrations in Allium cepa. Laublin G, et al. **Strahlentherapie** 1980 Jul;156(7):492–501

[Correlation of the radiosensitivity of plants with their metabolic indices] Magomedov MA, et al. **Radiobiologiia** 1980 Nov–Dec;20(6):897–901 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Redifferentiation of the stigma cells in some plant species. Kadej F, et al. **Acta Med Pol** 1980;21(4):345–6

Dissociation of supramolecular complexes in chloroplast membranes. A manifestation of heat damage to the photosynthetic apparatus. Armond PA, et al. **Biochim Biophys Acta** 1980 Oct 2;601(3):433–43

Factor-dependent dissociation of wheat germ ribosomes. Goldstein LA, et al. **Biochim Biophys Acta** 1981 Feb 26; 652(2):303–13

Metabolite levels during induction in the chloroplast and extrachloroplast compartments of spinach protoplasts. Stitt M, et al. **Biochim Biophys Acta** 1980 Nov 5;593(1):85–102

Light and electron microscopic investigation of in vitro starch synthesis in chromoplasts. Keresztes A, et al. **Cytobios** 1979;26(103–104):185–91

Application of lanthanum and uranyl salts as tracers to demonstrate apoplastic pathways for transport in glands of the carnivorous plant Utricularia monanthos. Fineran BA, et al. **Eur J Cell Biol** 1980 Dec;23(1):66–72

Spatial and temporal regulation of nucleating sites for arrays of cortical microtubules in root tip cells of the water fern Azolla pinnata. Gunning BS. **Eur J Cell Biol** 1980 Dec; 23(1):53–65

Interrelationship of mitochondria with cytoplasmic 10 nm filaments in tapetal cells of Hyacinthoides non-scripta (L.) Chouard. Jordan EG, et al. **Eur J Cell Biol** 1980 Oct; 22(2):766–71

Endoplasmic reticulum-dictyosome interconnections in ligula cells of Isoetes lacustris. Kristen U. **Eur J Cell Biol** 1980 Dec;23(1):16–21

Dictyosome-endoplasmic reticulum associations in higher plant cells? A serial-section analysis. Robinson DG. **Eur J Cell Biol** 1980 Dec;23(1):22–36

Silver staining test of nucleolar suppression in the Lilium hybrid 'Black Beauty'. von Kalm L, et al. **Exp Cell Res** 1980 Oct;129(2):481–5

Effect of low temperature on the nucleolus of larkspur (Delphinium Ajacis L.) meiocytes. Gabara B. **Folia Histochem Cytochem (Krakow)** 1980;18(4):259–66

Immunofluorescence microscopy of organized microtubule arrays in structurally stabilized meristematic plant cells. Wick SM, et al. **J Cell Biol** 1981 Jun;89(3):685–90

Isolation and characterization of membranes from the cells of maize root tips. Baydoun EA, et al. **J Cell Sci** 1980 Oct;45:147–67

The relationship between nuclear DNA content and centromere volume in higher plants. Bennett MD, et al. **J Cell Sci** 1981 Feb;47:91–115

Chloroplast division in spinach leaves examined by scanning electron microscopy and freeze-etching. Chaly N, et al. **J Cell Sci** 1980 Dec;46:87–96

Microtubules and guard-cell morphogenesis in Zea mays L. Galatis B. **J Cell Sci** 1980 Oct;45:211–44

The intranuclear relationship between centromere volume and chromosome size in Festuca scariosa X drymeja. Jenkins G, et al. **J Cell Sci** 1981 Feb;47:117–25

High voltage electron microscopy of membrane interactions in wheat. Marty F. **J Histochem Cytochem** 1980 Oct; 28(10):1129–32

Organization of the wall layers of the stigmatic papillae of Gladiolus gandavensis: a freeze-fracture study. Clarke AE, et al. **J Ultrastruct Res** 1980 Dec;73(3):269–81

Extracytoplasmic tubules in leafroll-infected and leafroll-free potato leaf tissue. Shepardson S, et al. **J Ultrastruct Res** 1980 Jul;72(1):47–51

Changes in the endoplasmic reticulum during differentiation of a sieve element in Gossypium hirsutum. Thorsch J, et al. **J Ultrastruct Res** 1981 Feb;74(2):183–94

Nuclear degeneration and the association of endoplasmic reticulum with the nuclear envelope and microtubules in maturing sieve elements of Gossypium hirsutum. Thorsch J, et al. **J Ultrastruct Res** 1981 Feb;74(2):195–204

Types of plastids: their development and interconversions. Schnepf E. **Results Probl Cell Differ** 1980;10:1–27 (176 ref.)

A technique for C-banding chromosomes with pinacyanol chloride. Narayan RK. **Stain Technol** 1980 Jan;55(1):9–11

The use of thionin and acridine orange in staining semithin sections of plant material embedded in epoxy resin. Paul RN. **Stain Technol** 1980 May;55(3):195–6

Abnormal structures in the flagellar apparatus of the spermatozoa of two ferns. Tourte Y, et al. **Cytobios** 1979; 26(103–104):175–84 (Eng. Abstr.) **(Fre)**

[Ultrastructural details of amylogenesis induced in vitro in leaf explants of Datura innoxia Mill] Brossard-Chriqui D, et al. **J Ultrastruct Res** 1980 Sep;72(3):264–71 (Eng. Abstr.) **(Fre)**

[On the homology of the viscin threads in angiosperms (author's transl)] Hesse M. **Mikroskopie** 1981;38(3–4):85–9 (Eng. Abstr.) **(Ger)**

PLANTS, EDIBLE

Tumor induction in germ-free rats fed bracken (Pteridium aquilinum). Sumi Y, et al. **Cancer Res** 1981 Jan;41(1):250–2

Application of low-cost extrusion cooking to weaning foods in feeding programmes. Part 1. Jansen R, et al. **Food Nutr (Roma)** 1980;6(1):2–9

Duckweeds (Lemnaceae family): a potential source of protein and amino acids. Rusoff LL, et al. **J Agric Food Chem** 1980 Jul–Aug;28(4):848–50

Detoxification of jojoba meal by lactobacilli. Verbiscar AJ, et al. **J Agric Food Chem** 1981 Mar–Apr;29(2):296–302

The ethnobotany of the Northern Cheyenne Indians of Montana. Hart JA. **J Ethnopharmacol** 1981 Jul;4(1):1–55

[General characteristics of saffron] Corradi C, et al. **Boll Chim Farm** 1979 Sep;118(9):537–52 **(Ita)**

[Vegetable fiber in child nutrition] Zoppi G. **Minerva Pediatr** 1980 Oct 15;32(19):1127–32 (30 ref.) (Eng. Abstr.) **(Ita)**

[Medical aspects of using pesticides and mineral fertilizers in sugar beet cultivation] Tsapko VG, et al. **Gig Sanit** 1981 Jan;(1):64–5 **(Rus)**

[Role of pesticides in creating unfavorable working conditions in sugar beet weeding] Gromov VL, et al. **Gig Tr Prof Zabol** 1980 Nov;(11):43–4 **(Rus)**

ANALYSIS

Forage: a sensitive indicator of airborne radioactivity. Jackson MW, et al. **Health Phys** 1981 Jan;40(1):84–91

Analysis of neutral carbohydrates in agricultural residues by gas–liquid chromatography. Krull LH, et al. **J Agric Food Chem** 1980 Sep–Oct;28(5):917–9

a radioimmunoassay for benomyl and methyl 2-benzimidazolecarbamate on food crops. Newsome WH, et al. **J Agric Food Chem** 1981 Mar–Apr;29(2):220–2

Cycloproprene fatty acids in Gnetum gnemon (L.) seeds and leaves. Berry SK. **J Sci Food Agric** 1980 Jul;31(7):657–62

[Pharmacological study of Zingiber mioga Roscoe: effects on thiopental sleeping time and intracranial self-stimulation behavior (author's transl)] Gomita Y, et al. **Yakugaku Zasshi** 1980 Apr;100(4):452–6 (Eng. Abstr.) **(Jpn)**

[Chemical makeup of cucurbit crops] Baratov KB. **Gig Sanit** 1981 Jan;(1):75–6 **(Rus)**

[Determination of arsenic in products of animal and plant origin] Polishchuk LR. **Gig Sanit** 1981 May;(5):42–3 **(Rus)**

[Determination of the herbicide, lenacil, in plant material and grain by a thin-layer chromatographic method] Shustrov VS, et al. **Vopr Pitan** 1980 Nov–Dec;(6):70–1 **(Rus)**

DRUG EFFECTS

Subtoxic effects of certain chemicals on food crops. Kadam SS, et al. **CRC Crit Rev Food Sci Nutr** 1981;14(1):49–109 (250 ref.)

ENZYMOLOGY

A continuous spectrophotometric assay for sucrose phosphate synthetase. Harbron S, et al. **Anal Biochem** 1980 Sep 1;107(1):56–9

METABOLISM

Incorporation of foreign compound metabolites into plant and soil constituents. Honeycutt RC, et al. **J Environ Pathol Toxicol** 1980 Jun–Jul;3(5–6):21–33

[Bacteriological aspects of holding freshly prepared spinach at warm temperatures. Relation between bacterial count and nitrate reduction] Bomar MT, et al. **Nutr Metab** 1980; 24(2):65–75 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Ecological distribution of Fusarium solani and its opportunistic action related to mycotic keratitis in Cali, Colombia. Cuero RG. **J Clin Microbiol** 1980 Sep; 12(3):455–61

[Effectiveness of the aerobic decomposition of plant wastes by microorganisms] Chernovich IL, et al. **Kosm Biol Aviakosm Med** 1981 Jun–Jul;15(4):44–5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Bananas--physiology and biochemistry of storage and ripening for optimum quality. Marriott J. **CRC Crit Rev Food Sci Nutr** 1980;13(1):41–88 (287 ref.)

The physiological basis for the conservation of food crops. Rhodes MJ. **Prog Food Nutr Sci** 1980;4(3–4):11–20

RADIATION EFFECTS

[Effect of radiation on pepper plants and ascorbate oxidase] Maltseva S, et al. **Radiobiologiia** 1980 Sep–Oct;20(5):729–32 (Eng. Abstr.) **(Rus)**

PLANTS, MEDICINAL

see related
ALKALOIDS
MEDICINE, HERBAL
PHARMACOGNOSY

The use of herbs as anticancer agents. Hsu B. **Am J Chin Med** 1980 Winter;8(4):301–6

Juzam (leprosy) and its treatment in Unani medicine. Zafarullah M, et al. **Am J Chin Med** 1980 Winter; 8(4):370–84

Pharmacological screening of the aqueous extracts of Magnolia grandiflora L. Mellado V, et al. **Arch Invest Med (Mex)** 1980;11(3):335–46 **(Eng, Spa)**

Coccinia indica in the treatment of patients with diabetes mellitus. Azad Khan AK, et al. **Bangladesh Med Res Counc Bull** 1979 Dec;5(2):60–6

Treatment of diabetes mellitus with Coccinia indica. Khan AK, et al. **Br Med J** 1980 Apr 12;280(6220):1044

Conclusions and recommendations of the Expert Group on the Botany and Chemistry of Khat. **Bull Narc** 1980; 32(3):65–6

Khat: pharmacognostical aspects. Nordal A. **Bull Narc** 1980; 32(3):51–64

Antiinflammatory principle of Ephedra Herbs. Hikino H, et al. **Chem Pharm Bull (Tokyo)** 1980 Oct;28(10):2900–4

Effect of extract from Rhei rhizoma on urea-nitrogen concentration in rat serum. Nagasawa T, et al. **Chem Pharm Bull (Tokyo)** 1980 Jun;28(6):1736–9

Effect of Radix Astragali seu Hedysari on the interferon system. Hou YD, et al. **Chin Med J [Engl]** 1981 Jan; 94(1):35–40

Cytological effects of medicinal plants in Qatar. II. Mitotic effect of water extract of Teucrium pilosum on Allium cepa. Shehab AS. **Cytologia (Tokyo)** 1980 Jun;45(1–2):57–64

Yellow oleander seed poisoning with cardiotoxicity. A case report. Kakrani AL, et al. **Indian Heart J** 1981 Jan–Feb; 33(1):31–3

Histological evidence of protection by Indigofera tinctoria Linn. against carbontetrachloride induced hepatotoxicity--an experimental study. Anand KK, et al. **Indian J Exp Biol** 1981 Mar;19(3):298–300

Influence of an Indian medicine (Ashwagandha) on acute-phase reactants in inflammation. Anbalagan K, et al. **Indian J Exp Biol** 1981 Mar;19(3):245–9

Antifertility properties of Embelia ribes : (embelin). Krishnaswamy M, et al. **Indian J Exp Biol** 1980 Nov; 18(11):1359–60

Antiulcer activity of some plant triterpenoids. Gupta MB, et al. **Indian J Med Res** 1981 Apr;73:649–52

Effect of biflavonoids of Taxus baccata on the central nervous system. Vohora SB, et al. **Indian J Med Res** 1980 May;71:815–20

Traditional medicine. A world survey on medicinal plants and herbs. **J Ethnopharmacol** 1980 Mar;2(1):1–92

Fennel and anise as estrogenic agents. Albert-Puleo M. **J Ethnopharmacol** 1980 Dec;2(4):337–44

Plants used in traditional medicine in lower Zambesia. Amico A. **J Ethnopharmacol** 1980 Mar;2(1):33–4

Maya medicinal plants of San Jose Succotz, Belize. Arnason T, et al. **J Ethnopharmacol** 1980 Dec;2(4):345–64

Organization and cooperation for the development of studies on plants used in traditional medicine: some guidelines for research and studies. Bannerman RH. **J Ethnopharmacol** 1980 Jun;2(2):189–92

An anthropological approach: the problem of plants in traditional medicine. Bernardi B. **J Ethnopharmacol** 1980 Jun;2(2):95–8

Medicinal plants and industry. Bonati A. **J Ethnopharmacol** 1980 Jun;2(2):167–71

Medicinal plants of Madagascar and Senegal: a comment. Bonati A. **J Ethnopharmacol** 1980 Mar;2(1):91–2

A study of the medical ethnobotany of the Zuni Indians of New Mexico. Camazine S, et al. **J Ethnopharmacol** 1980 Dec;2(4):365–88

Phytotherapy in the Subequana Valley, Abruzzo, central Italy. Chichiriccò G, et al. **J Ethnopharmacol** 1980 Sep; 2(3):247–57

Plants in traditional medicine in Brazil. de Mello JF. **J Ethnopharmacol** 1980 Mar;2(1):49–55

Present state of knowledge and research on the plants used in traditional medicine in Somalia. Elmi AS. **J Ethnopharmacol** 1980 Mar;2(1):23–7

Transcultural use of narcotic water lilies in ancient Egyptian and Maya drug ritual. Emboden WA. **J Ethnopharmacol** 1981 Jan;3(1):39–83

Active principles of plants of traditional medicine as models of new drugs. Farkas L. **J Ethnopharmacol** 1980 Jun; 2(2):145–8

The development of pharmacological and chemical research for application to traditional medicine in developing countries. Farnsworth NR. **J Ethnopharmacol** 1980 Jun; 2(2):173–81

Medicinal plants in Colombia. Gonzalez J. **J Ethnopharmacol** 1980 Mar;2(1):43–7

The knowledge of medicinal plants in Africa today. Lantum DN. **J Ethnopharmacol** 1980 Mar;2(1):9–17

Present aspects of the use of plants in traditional medicine. Marini-Bettòlo GB. **J Ethnopharmacol** 1980 Mar;2(1):5–7

'Sugar bowls' (Clematis hirsutissima): a horse restorative of the Nez Perces. Morgan GR. **J Ethnopharmacol** 1981 Jul; 4(1):117–20

Plants used in traditional medicine in West Africa. Oguakwa JU. **J Ethnopharmacol** 1980 Mar;2(1):29–31

Some current study and research approaches relating to the use of plants in the traditional Chinese medicine. Qicheng F. **J Ethnopharmacol** 1980 Mar;2(1):57–63

Plants in Ethiopian traditional medicine. Ricci L. **J Ethnopharmacol** 1980 Mar;2(1):35–6

Traditional medicine in health care. Sayed MD. **J Ethnopharmacol** 1980 Mar;2(1):19–22

The traditional system on medicine in Sri Lanka. Weragoda PB. **J Ethnopharmacol** 1980 Mar;2(1):71–3

Traditional medicine in Latin America, with particular reference to Mexico. Zolla C. **J Ethnopharmacol** 1980 Mar; 2(1):37–51

A preliminary study of hypoglycemic activity of Lythrum salicaria. Torres IC, et al. **J Nat Prod** 1980 Sep–Oct; 43(5):559–63

Pharmacological studies of gardenia fruit. V. Mechanisms of inhibitory effect of genipin on gastric acid secretion and its facilitatory effect on bile secretion in rats. Aburada M, et al. **J Pharmacobiodyn** 1980 Aug;3(8):423–33

Antiinflammatory principles of Aconitum roots. Hikino H, et al. **J Pharmacobiodyn** 1980 Oct;3(10):514–25

Effects of herbs and drugs during pregnancy and lactation. Boon WH. **J Singapore Paediatr Soc** 1979 Sep–Dec; 21(3–4):169–78

Medicinal plants as hypocholesterolemic agents. Ikram M. **JPMA** 1980 Dec;30(12):278–81

Extract of feverfew inhibits prostaglandin biosynthesis [letter] Collier HO, et al. **Lancet** 1980 Oct 25;2(8200):922–3

Some plants used in the treatment of leprosy in Africa. Nwude N, et al. **Lepr Rev** 1980 Mar;51(1):11–8

Relative potencies of two phenylalkylamines found in the abused plant Catha edulis, khat. Peterson DW, et al. **Life Sci** 1980 Dec 1;27(22):2143–7

Fatal oleander poisoning. Ansford AJ, et al. **Med J Aust** 1981 Apr 4;1(7):360–1

Some remarks on Pityriasis versicolor and its treatment in Liberia (West-Africa). Lazar V. **Mykosen** 1980 Mar; 23(3):140

Effect of a hydrophilic mucilage in the treatment of obese patients. Enzi G, et al. **Pharmatherapeutica** 1980;2(7):421–8

Pharmacological actions of saikosaponins isolated from Bupleurum falcatum. 1. Effects of saikosaponins on liver function. Abe H, et al. **Planta Med** 1980 Dec;40(4):366–72

A preliminary study of hypoglycemic activity of Rubus fruticosus. Alonso R, et al. **Planta Med** 1980;Suppl:102–6

Antispasmodic effects of some medicinal plants. Forster HB, et al. **Planta Med** 1980 Dec;40(4):309–19

Studies on African medicinal plants. Part I. Preliminary screening of medicinal plants for antibacterial activity. Khan MR, et al. **Planta Med** 1980;Suppl:91–7

Inhibitory effect of Chinese crude drugs on tyrosinase. Masamoto Y, et al. **Planta Med** 1980 Dec;40(4):361–5

Mechanism of the hypotensive effect of tetramethylpyrazine, an amide alkaloid from the stem of Jatropha podagrica. Ojewole JA, et al. **Planta Med** 1981 Mar;41(3):281–7

Antifertility investigations on embelin — an oral contraceptive of plant origin. Part I — Biological properties. Prakash AO. **Planta Med** 1981 Mar;41(3):259–66

A pharmacological aspect of the aqueous extract of Alstonia boonei (De Wild). Faparusi SI, et al. **Rev Bras Biol** 1980 Aug;40(3):639–42

Soma: an attempt to classify the plant and the drug [1]. Mulholland J. **Soc Sci Med [Med Anthropol]** 1980 Apr; 14B(3):181–4

Effect of plant alkaloid against the action of herpes simplex type 1 in experimental corneal herpes in rabbits: the effect of an aqueous extract of Coptis japonica Makino against herpes simplex. Mikuni I, et al. **Tokai J Exp Clin Med** 1981 Jan;6(1):77–83

Studies on erythrocyte membrane IV: in vitro haemolytic activity of oleander extract. Murugesh N, et al. **Toxicol Lett** 1981 Apr;8(1–2):33–8

Aloe vera--fact or quackery. Spoerke DG, et al. **Vet Hum Toxicol** 1980 Dec;22(6):418–24

Cassia obtusfolia (sicklepod) toxicity in a dairy herd. McCormack JE, et al. **VM SAC** 1980 Dec;75(12):1849–51

[Pharmacological studies of Centranthus ruber] Manolov P, et al. **Eksp Med Morfol** 1981;20(1):43–6 (Eng. Abstr.) **(Bul)**

[Treatment of lobar pneumonia with a compound decoction for 'detoxication and relieving stasis': a preliminary report (author's transl)] Gao WW. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1979;2(1):28–9 **(Chi)**

[Effect of dan-shen and anticancer drugs on the cancer cell surface agglutination induced by phytoagglutinin (author's transl)] Fu NW, et al. **Chung Hua Chung Liu Tsa Chih** 1980 Mar;2(1):24–8 (Eng. Abstr.) **(Chi)**

[Clinical observations on the effects of Lactoni Coriariae and Tutin in the treatment of schizophrenia (report of 140 cases) (author's transl)] Yuan DJ. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1979; 12(4):196–200 **(Chi)**

[Thunder god vine in treatment of rheumatoid arthritis and ankylosing spondylitis (author's transl)] Guo JL. **Chung Hua Wai Ko Tsa Chih** 1981 May;19(5):289–92 (Eng. Abstr.) **(Chi)**

[Effect of Radix salviae miltiorrhize on blood volume of forearm following fracture of radius in rabbits (author's transl)] Hu MZ. **Chung Hua Wai Ko Tsa Chih** 1979; 17(1):33–6 **(Chi)**

[Application of Liang Xue San Yu Tang (blood-cooling and stasis-relieving decoction) in ocular fundus hemorrhage (author's transl)] Pang WM. **Chung Hua Yen Ko Tsa Chih** 1980;16(1):74–7 **(Chi)**

[Two poisoning case reports on heavy metal medicinal herb preparation (author's transl)] Gao ZJ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1980 May; 14(2):117–8 **(Chi)**

[A comparison of compositus yiqi huoxue. Huang Qi (Astragalus monogholicus Bunge) and daidzein on acute mountain sickness (author's transl)] Xu LN, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1979 Dec; 1(3):274–7 (Eng. Abstr.) **(Chi)**

[The antihypertensive effect of Uncaria rhynchophylla in essential hypertension (author's transl)] Wu CC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1980 Sep;79(9):749–52 (Eng. Abstr.) **(Chi)**

[Summary of the research on Chinese traditional and herbal medicine (author's transl)] **Yao Hsueh Hsueh Pao** 1979 Dec; 14(12):746–68 (427 ref.) (Eng. Abstr.) **(Chi)**

[A pharmacological study of the Chinese drug lingzhi (ganoderma) (author's transl)] Chen JH, et al. **Yao Hsueh Hsueh Pao** 1980 Apr;15(4):234–44 (Eng. Abstr.) **(Chi)**

[The effects of Citrus aurantium and its active ingredient N-methyltyramine on the cardiovascular receptors (author's transl)] Chen X, et al. **Yao Hsueh Hsueh Pao** 1981 Apr;16(4):253–9 (Eng. Abstr.) **(Chi)**

[Preliminary studies on Chinese Curcuma. I. Identification of the plants (author's transl)] Chen YH. **Yao Hsueh Hsueh Pao** 1981 May;16(5):385–9 (Eng. Abstr.) **(Chi)**

[Some pharmacologic effects of the 'Styrax pill for coronary disease' and the pharmacological basis of a simplified styrax-borneol preparation (author's transl)] Jiang WD, et al. **Yao Hsueh Hsueh Pao** 1979 Nov;14(11):655–61 (Eng. Abstr.) **(Chi)**

[Comparison of bioavailability of two miotic solutions of Bao Gong Teng A (author's transl)] Li D, et al. **Yao Hsueh Hsueh Pao** 1981 Jun;16(6):454–9 **(Chi)**

[Studies on analogs of artemisinine. I. The synthesis of ethers, carboxylic esters and carbonates of dihydroartemisinine (author's transl)] Li Y, et al. **Yao Hsueh Hsueh Pao** 1981 Jun;16(6):429–39 **(Chi)**

[The influence of total alkaloid of Aconitum kusnezoffii Reichb and aconitine on changes of ECG induced by several drugs (author's transl)] Liu SF, et al. **Yao Hsueh Hsueh Pao** 1980 Sep;15(9):520–5 (Eng. Abstr.) **(Chi)**

[Some pharmacological properties of Jin Qiao Mai [Fagopyrum cymosum (Trev.) Meisn.] (author's transl)] Liu WF, et al. **Yao Hsueh Hsueh Pao** 1981 Apr;16(4):247–52 (Eng. Abstr.) **(Chi)**

[Study of the Chinese drug shi-hu(Dendrobium). I. Investigation of botanical origin and the drug (author's transl)] Sha WL, et al. **Yao Hsueh Hsueh Pao** 1980 Jun; 15(6):351–7 (Eng. Abstr.) **(Chi)**

[A pharmacognostical study on the Chinese drug 'Qing Feng Teng' (Sinomenium acutum) (author's transl)] Shi DW, et al. **Yao Hsueh Hsueh Pao** 1981 Mar;16(3):168–76 (Eng. Abstr.) **(Chi)**

[Studies on the neuromuscular blocking activity of alkaloids of Cyclea barbata (Wall) Miers (author's transl)] Tang XC, et al. **Yao Hsueh Hsueh Pao** 1980 Sep;15(9):513–9 (Eng. Abstr.) **(Chi)**

[Botanical and pharmacognostical studies of the Chinese medicinal drug 'Ma Wei-lian' (author's transl)] Tong YY, et al. **Yao Hsueh Hsueh Pao** 1980 Sep;15(9):563–70 (Eng. Abstr.) **(Chi)**

[Determination of artemisinine and its derivatives by high pressure liquid chromatography (author's transl)] Wang ZS, et al. **Yao Hsueh Hsueh Pao** 1981 Jun;16(6):466–70 **(Chi)**

[Medicinal lichens in Qin Ling Mountain (author's transl)] Wu JL. **Yao Hsueh Hsueh Pao** 1981 Mar;16(3):161–7 (Eng. Abstr.) **(Chi)**

[The identification and total synthesis of aichasu, an antitussive agent (author's transl)] Xie JX, et al. **Yao Hsueh Hsueh Pao** 1981 Jun;16(6):425–8 **(Chi)**

[The effect of Dang-Gui (Angelica sinensis) and its constituent ferulic acid on phagocytosis in mice (author's transl)] Xu LN, et al. **Yao Hsueh Hsueh Pao** 1981 Jun; 16(6):411–4 **(Chi)**

[Botanical and pharmacognostical studies of the Chinese drug 'Shan-Yao-Gui' (author's transl)] Yang HM, et al. **Yao Hsueh Hsueh Pao** 1980 Nov;15(11):674–83 (Eng. Abstr.) **(Chi)**

[The effect of Dang-Gui (Angelica sinensis) and its ingredient ferulic acid on rat platelet aggregation and release of 5-HT (author's transl)] Yin ZZ, et al. **Yao Hsueh Hsueh Pao** 1980 Jun;15(6):321–6 (Eng. Abstr.) **(Chi)**

[The immuno-pharmacology of flores Gonatanthus pumilus (author's transl)] Yu YW, et al. **Yao Hsueh Hsueh Pao** 1980 Jan;15(1):7–17 (Eng. Abstr.) **(Chi)**

[Separation of artemisinine and its derivatives by reversed phase high performance liquid chromatography (author's transl)] Zhang RB, et al. **Yao Hsueh Hsueh Pao** 1981 Jun; 16(6):460–5 **(Chi)**

[Studies on the physiological disposition of Qing-Hao-Sou. I. Biotransformation of Qing-Hao-Sou after oral medication in human (author's transl)] Zhu DY, et al. **Yao Hsueh Hsueh Pao** 1980;15(8):509–12 (Eng. Abstr.) **(Chi)**

[Phytochemical investigation of Coronilla varia L. II. Other substances form the genus Coronilla] Sovová M, et al. **Cesk Farm** 1979 Dec;28(9–10):421–4 **(Cze)**

[Alkaloids of melodinus celastroïdes Baill (author's transl)] Baassou S, et al. **Ann Pharm Fr** 1981 Jun;39(2):167–70 (Eng. Abstr.) **(Fre)**

[Preliminary pharmacological studies on Feretia apodanthera Del (author's transl)] Bailleul F, et al. **Ann Pharm Fr** 1981 Jun;39(2):111–7 **(Fre)**

[Microbiological quality control of different samples of Mentha piperita (author's transl)] Lenoble M, et al. **Ann Pharm Fr** 1980 Oct;38(4):333–42 (Eng. Abstr.) **(Fre)**

[Comparative effect of vitamin D3 and Solanum malacoxylon on blood calcium, cytochrome P-450 induction and use of retinol in rats receiving a rachitogenic diet] Ferrando R, et al. **C R Acad Sci [D] (paris)** 1981 Mar 16; 292(11):713–5 (Eng. Abstr.) **(Fre)**

[The effect of the sap of Euphorbiaceae on the eye] Lisch K. **Klin Monatsbl Augenheilkd** 1980 Mar;176(3):469–71 (Eng. Abstr.) **(Ger)**

[Old and new methods of chamomile therapy. Chamomile as example for modern research of medicinal plants] Isaac O, et al. **Med Welt** 1980 Aug 8;31(31–32):1145–9 **(Ger)**

[Medicinal teas in the prophylaxis of urinary calculus. Effect of solubitrat on the excretion of lithogenic and inhibitory substances (author's transl)] Hesse A, et al. **MMW** 1981 Mar 27;123(13):521–4 (Eng. Abstr.) **(Ger)**

[From phytotherapeuticum to phytopharmacon] Zimmermann W. **MMW** 1981 Jul 31;123(31):1195–6 **(Ger)**

[The importance of the passionflower in medicine] Lutomski J, et al. **Pharm Unserer Zeit** 1981 Mar;10(2):45–9 **(Ger)**

[New findings from research on arnica] Willuhn G. **Pharm Unserer Zeit** 1981 Jan;10(1):1–7 **(Ger)**

[New drugs with cardiotonic activity I. Chemistry and pharmacology of the cardiotonic active principle of Annona squasmosa L. (author's transl)] Wagner H, et al. **Planta Med** 1980 Sep;40(1):77–85 (Eng. Abstr.) **(Ger)**

[Myrtillus oligoplex and acne vulgaris. Favorable effect of plant drug (Myrtillus oligoplex) on acne vulgaris] Amann W. **ZFA (Stuttgart)** 1981 Apr 20;57(11):872–6 **(Ger)**

[Teecura – tea for the prevention of urinary calculi recurrence] Bach D, et al. **ZFA (Stuttgart)** 1981 May 20; 57(14):1113–8 **(Ger)**

[Pharmacological and toxicological aspects of phytotherapy. Information on the scientific phytotherapy] Gracza L. **ZFA (Stuttgart)** 1980 Nov 30;56(33):2309–17 **(Ger)**

[General characteristics of saffron] Corradi C, et al. **Boll Chim Farm** 1979 Sep;118(9):537–52 **(Ita)**

[Milk thistle (Silybum marianum) derivatives in the therapy of chronic hepatopathies] De Martiis M, et al. **Clin Ter** 1980 Aug 15;94(3):283–315 (Eng. Abstr.) **(Ita)**

[Pharmacological studies on prescriptions containing Bupleuri Radix. II. Effects on function and ultrastructure of liver (author's transl)] Abe H, et al. **Yakugaku Zasshi** 1980 Jun;100(6):607–10 (Eng. Abstr.) **(Jpn)**

[Pharmacological studies on prescriptions containing Bupleuri Radix. I. Effects on weights of various organs and histological changes (author's transl)] Abe H, et al. **Yakugaku Zasshi** 1980 Jun;100(6):602–6 (Eng. Abstr.) **(Jpn)**

[Effect of rhubarb (Rhei rhizoma) extract on urea nitrogen and amino acid metabolism after administration (author's transl)] Shibutani S, et al. **Yakugaku Zasshi** 1980 Apr; 100(4):434–42 (Eng. Abstr.) **(Jpn)**

[Biologically active principles of crude drugs. Antidiabetic principles of corni fructus in experimental diabetes induced by streptozotocin (author's transl)] Yamahara J, et al. **Yakugaku Zasshi** 1981 Jan;101(1):85–90 (Eng. Abstr.) **(Jpn)**

[Studies on the constituents in the water extracts of crude drugs. III. On the roots of Stellaria dichotoma L. var. lanceolata Bge. (author's transl)] Yasukawa K, et al. **Yakugaku Zasshi** 1981 Jan;101(1):64–6 (Eng. Abstr.) **(Jpn)**

[Abstracts of short reports and posters. 29th meeting of the Society for Medicinal Plant Research. Marburg/Lahn, 9–13 June 1981] **Planta Med** 1981 Jun;42(2):102–43 **(Mul)**

[Antimicrobial action of cranberry bush, common yarrow and Achillea biebersteinii] Ibragimov DI, et al. **Antibiotiki** 1981 Feb;26(2):108–9 **(Rus)**

[Study of the possibility of intercalation of the alkaloid sanguinarine into native DNA] Faddeeva MD, et al. **Dokl Akad Nauk SSSR** 1980;253(2):491–4 **(Rus)**

[Hypoglycemic action of Bryonia alba L. unsaturated fatty trihydroxy acids in alloxan diabetes] Panosian AG, et al. **Dokl Akad Nauk SSSR** 1981;256(5):1267–9 **(Rus)**

[Anti-ulcer action of a decoction of the flowers of the dropwort, Filipendula ulmaria (L.) Maxim] Barnaulov OD, et al. **Farmakol Toksikol** 1980 Nov–Dec;43(6):700–5 (Eng. Abstr.) **(Rus)**

[Effect of Anabasis aphylla alkaloids on the development of compensatory adrenal cortical hypertrophy] Khnychenko LK, et al. **Farmakol Toksikol** 1980 Mar–Apr;43(2):164–6 (10 ref.) **(Rus)**

[Optimization of the extraction process in obtaining a dry extract of the leaves of Aralia mandshurica] Dzhumaeva TI. **Farmatsiia** 1980 May–Jun;29(3):17–21 **(Rus)**

[Chamber for drying drug plants with automatic maintenance of a preset operating temperature mode] Igonin PI, et al. **Farmatsiia** 1980 May–Jun;29(3):57–9 **(Rus)**

[Experience in using sugar and an Eleutherococcus extract with the workers of the hot shops and the nigh shifts of the Raichikhinsk Glass Plant] Batin VV, et al. **Gig Tr Prof Zabol** 1981 May;(5):36–8 **(Rus)**

[Effect of Eleutherococcus on body functions and the work capacity of sailors on a cruise] Berdyshev VV. **Voen Med Zh** 1981 Feb;(2):48–51 **(Rus)**

[Use of an oxygen–herb cocktail in the overall treatment of late pregnancy toxicosis] Novikov IuI, et al. **Vopr Okhr Materin Det** 1980 Jul;25(7):50–3 (Eng. Abstr.) **(Rus)**

ANALYSIS

A uterotonic substance from Annona cherimola seeds. Lozoya M, et al. **Am J Chin Med** 1980 Autumn;8(3):268–70

Variability of alkaloid spectrum in early stages of development of Glaucium flavum Crantz. Lovkova YaY, et al. **Biol Bull Acad Sci USSR** 1980 Jan–Feb;7(1):77–82

Antitumor active glycosides from Condurango Cortex. Hayashi K, et al. **Chem Pharm Bull (Tokyo)** 1980 Jun; 28(6):1954–8

Determination of germanium in medicinal plants by atomic absorption spectrometry with electrothermal atomization. Mino Y, et al. **Chem Pharm Bull (Tokyo)** 1980 Sep; 28(9):2687–91

Antifertility activity of Montanoa tomentosa (Zoapatle). Hahn DW, et al. **Contraception** 1981 Feb;23(2):133–40

Screening of Indian plants for biological activity: Part IX. Dhawan BN, et al. **Indian J Exp Biol** 1980 Jun; 18(6):594–606

Histochemical studies of Costus speciosus Sim. growing in Darjeeling hills in relation to diosgenin content. Panda PK, et al. **Indian J Exp Biol** 1980 Aug;18(8):920–2

Petunia violacea: hallucinogen or not? Butler EG, et al. **J Ethnopharmacol** 1981 Jul;4(1):11–4

Antineoplastic constituents of some Southern African plants. Charlson AJ. **J Ethnopharmacol** 1980 Dec;2(4):323–35

Active components in Perezia roots. Enriquez R, et al. **J Ethnopharmacol** 1980 Dec;2(4):389–93

Chemical composition and biological activity of the Tanzanian plant Ocimum suave. Chogo JB, et al. **J Nat Prod** 1981 May–Jun;44(3):308–11

Uterotonic effect of Evodia rutaecarpa alkaloids. King CL, et al. **J Nat Prod** 1980 Sep–Oct;43(5):577–82

19-Hydroxybaccatin III, 10-deacetylcephalomannine, and 10-deacetyltaxol: new antitumor taxanes from Taxus wallichiana. McLaughlin JL, et al. **J Nat Prod** 1981 May–Jun;44(3):312–9

Catharanthus alkaloids. XXXVI. Isolation of vincaleukoblastine (VLB) and periformyline from Catharanthus trichophyllus and pericyclivine from Catharanthus roseus. Mukhopadhyay S, et al. **J Nat Prod** 1981 May–Jun;44(3):335–9

The antineoplastic quassinoids of Simaba cuspidata spruce and Ailanthus grandis Prain. Polonsky J, et al. **J Nat Prod** 1980 Jul–Aug;43(4):503–9

Constituents of West African medicinal plants. XXX. Tridictyophylline, a new morphinan alkaloid from Triclisia dictyophylla. Spiff AI, et al. **J Nat Prod** 1981 Mar–Apr; 44(2):160–5

Dry column chromatographic procedure for rapid concentration of biological activity in natural products fractionation. Hokanson GC, et al. **J Pharm Sci** 1981 Mar; 70(3):329–31

Biological and phytochemical investigation of plants XVI: Strumpfia maritima (Rubiaceae). Hsu CC, et al. **J Pharm Sci** 1981 Jun;70(6):682–3

Antitumor agents XXXVI: Structural elucidation of sesquiterpene lactones microhelenins-A, B, and C, microlenin acetate, and plenolin from Helenium microcephalum. Imakura Y, et al. **J Pharm Sci** 1980 Sep; 69(9):1044–9

Antitumor agents XXXVIII: Isolation and structural elucidation of novel germacranolides and triterpenes from Elephantopus mollis. Lee KH, et al. **J Pharm Sci** 1980 Sep; 69(9):1050–6

Hemolytic action and surface activity of triterpene saponins from Anchusa officinalis L. Part 21: On the costituents of Boraginaceae. Romussi G, et al. **Pharmazie** 1980 Aug; 35(8):498–9

Bruceolides from Filjian Brucea javanica. Phillipson JD, et al. **Planta Med** 1981 Mar;41(3):209–20

[Studies on the structure of a phthalide compound (author's transl)] **Yao Hsueh Hsueh Pao** 1979 Nov;14(11):670–5 (Eng. Abstr.) **(Chi)**

[Studies on an antiasthmatic principles of Gnetum parvifolium (author's transl)] **Yao Hsueh Hsueh Pao** 1980 Jul;15(7):434–6 (Eng. Abstr.) **(Chi)**

[Studies on the Chinese drug, Aconitum spp. XVII. Alkaloids from Aconitum flavum Hand. -Mazz (author's transl)] Chang XR, et al. **Yao Hsueh Hsueh Pao** 1981 Jun; 16(6):474–6 **(Chi)**

[Studies on the chemical constituents of Zanthoxylum simulans Hance (author's transl)] Chang ZQ, et al. **Yao Hsueh Hsueh Pao** 1981 May;16(5):394–6 (Eng. Abstr.) **(Chi)**

[Alkaloids of Aconitum finetianum Hand-Mazz I. Isolation and identification of alkaloids from Aconitum finetianum Hand-Mazz (author's transl)] Chen BR, et al. **Yao Hsueh Hsueh Pao** 1981 Jan;16(1):70–2 (Eng. Abstr.) **(Chi)**

[Identification of cardiac glycosides from the seeds of Descurainia sophia L. Webb (author's trensl)] Chen YQ, et al. **Yao Hsueh Hsueh Pao** 1981 Jan;16(1):62–4 (Eng. Abstr.) **(Chi)**

[Studies on the components of essential oils. III. Studies of chemical constituents of the essential oil from Rhododendron racemosum Franch. (I) Comparison of the constituents of Vitex negundo L. var. Cannabifolia (Sieb. et Zucc.) Hand-Mazz. (II) and V. Negundo L. var. Heterophylla (Franch.) Rehd. (III) (author's transl)] Fang HJ, et al. **Yao Hsueh Hsueh Pao** 1980;15(5):284–7 (Eng. Abstr.) **(Chi)**

[Studies on the chemical components of Dan-shen (Salvia miltiorrhiza Bunge) (author's transl)] Feng BS, et al. **Yao Hsueh Hsueh Pao** 1980;15(8):489–94 (Eng. Abstr.) **(Chi)**

[Studies on constituents of wenezhu (Curcuma aromatica Salise) (author's transl)] Guo YT, et al. **Yao Hsueh Hsueh Pao** 1980 Apr;15(4):251–2 (Eng. Abstr.) **(Chi)**

[Studies on an aqueous soluble active constituent of Chuan-Shan-Long (Dioscorea nipponica Makino). I. Isolation and identification of p-hydroxy benzyl tartaric acid (piscidic acid) (author's transl)] He BJ, et al. **Yao Hsueh Hsueh Pao** 1980 Dec;15(12):764–5 **(Chi)**

[Botanical investigation and chemical analysis of Chinese herbal medicines derived from the genus Rumex (author's transl)] He LY, et al. **Yao Hsueh Hsueh Pao** 1981 Apr; 16(4):289–93 (Eng. Abstr.) **(Chi)**

[Studies on the analysis of anthraquinone derivatives of Chinese medicinal herbs. I. Separation and determination of constituents of Chinese rhubarb (author's transl)] He LY, et al. **Yao Hsueh Hsueh Pao** 1980 Sep;15(9):555–62 (Eng. Abstr.) **(Chi)**

[The occurrence of paeoniflorine in the genus Paeonia (author's transl)] Ho LY, et al. **Yao Hsueh Hsueh Pao** 1980 Jul;15(7):429–33 (Eng. Abstr.) **(Chi)**

[A study on the chemical constituents of Ardisia japonica (Hornsted) Blume (author's transl)] Huang BH, et al. **Yao Hsueh Hsueh Pao** 1981 Jan;16(1):27–30 (Eng. Abstr.) **(Chi)**

[GC/MS analysis of the essential oil of Backea frutrescens Linn (author's transl)] Ji XD, et al. **Yao Hsueh Hsueh Pao** 1980 Dec;15(12):766–8 (Eng. Abstr.) **(Chi)**

[Studies on chemical constituents of Stephania longa L. (Menispermaceae) (I) (author's transl)] Lao AN, et al. **Yao Hsueh Hsueh Pao** 1980 Nov;15(11):696–8 (Eng. Abstr.) **(Chi)**

[Studies on pharmacological actions of Saussurea involucrata Kar et Kir ex Maxim (author's transl)] Li GH, et al. **Yao Hsueh Hsueh Pao** 1980 Jun;15(6):368–70 (Eng. Abstr.) **(Chi)**

[Botanical and pharmacognostical studies of the Chinese drug Wei-ling-xian (author's transl)] Li JS, et al. **Yao Hsueh Hsueh Pao** 1980;15(5):288–97 (Eng. Abstr.) **(Chi)**

[The separation and identification of cardiac glycosides in the kernal of Cerbera odollam (author's transl)] Li RZ, et al. **Yao Hsueh Hsueh Pao** 1981 May;16(5):361–5 (Eng. Abstr.) **(Chi)**

[Studies on the constituents of Qing-hao (Artemisia annua L.) (author's transl)] Liu HM, et al. **Yao Hsueh Hsueh Pao** 1981 Jan;16(1):65–7 (Eng. Abstr.) **(Chi)**

[A note on the identification of fibralactone from the root of Fibraurea recisa Pierre (author's transl)] Liu RM, et al. **Yao Hsueh Hsueh Pao** 1981 Jun;16(6):479–80 **(Chi)**

[Thin layer chromatography and densitometry of ligustilide in umbelliferous plants] Lü RM, et al. **Yao Hsueh Hsueh Pao** 1980 Jun;15(6):371–4 (Eng. Abstr.) **(Chi)**

[Analysis of andrographolide compounds. I. Ion pair high performance liquid chromatographic analysis of andrographolide derivatives (author's transl)] Lu XL, et al. **Yao Hsueh Hsueh Pao** 1981 Mar;16(3):182–9 (Eng. Abstr.) **(Chi)**

[Studies on the alkaloids of Stephania kwangsiensis H. S. Lo (author's transl)] Min ZD, et al. **Yao Hsueh Hsueh Pao** 1980 Sep;15(9):532–7 (Eng. Abstr.) **(Chi)**

[A study on the chemical constituents of the leaves of the Ilex pubescens Hook et Arn var glaber Chang. III. Elucidation of the structure of glaberide I. A new lignan compound (author's transl)] Qin WJ, et al. **Yao Hsueh Hsueh Pao** 1980 Nov;15(11):699–73 (Eng. Abstr.) **(Chi)**

[Isolation and identification of the antitumor agent--hainanolide from Cephalotaxus fortunei (author's transl)] Sun NJ, et al. **Yao Hsueh Hsueh Pao** 1981 Mar; 16(3):233–4 (Eng. Abstr.) **(Chi)**

[Studies on the active principles fo neuromuscular blocking actions of Cyclea barbata (Wall.) Miers (author's transl)] Tang ZJ, et al. **Yao Hsueh Hsueh Pao** 1980;15(8):506–8 (Eng. Abstr.) **(Chi)**

[Studies on the constituents of Artemisia annua L. (author's transl)] Tu YY, et al. **Yao Hsueh Hsueh Pao** 1981 May; 16(5):366–70 (Eng. Abstr.) **(Chi)**

[Analysis of thevetoside, a mixture of cardiac glycosides extracted from Thevetia peruviana Merr. (author's transl)] Wang MZ, et al. **Yao Hsueh Hsueh Pao** 1981 May; 16(5):379–84 (Eng. Abstr.) **(Chi)**

[Studies on antitumor constituents of Maytenus confertiflorus J. Y. Luo et X. X. Chen. I. Isolation and characterization of the constituents from the leaves (author's transl)] Wang XF, et al. **Yao Hsueh Hsueh Pao** 1981 Jan;16(1):59–61 (Eng. Abstr.) **(Chi)**

[Alkaloids of the Chinese drugs, Aconitum spp. XIII. Alkaloids from Pei Cao Wu, Aconitum kusnezoffii (author's transl)] Wang YG, et al. **Yao Hsueh Hsueh Pao** 1980 Sep; 15(9):526–31 (Eng. Abstr.) **(Chi)**

[Studies on the constituents of hong han lian (Hypericum ascyron L.)] Wang ZQ, et al. **Yao Hsueh Hsueh Pao** 1980 Jun;15(6):365–7 (Eng. Abstr.) **(Chi)**

[Chemical studies of san-chi Panax notoginseng (Burk.) F. H. Chen. I. Studies on the constituents of San-Chi root hairs] Wei JX, et al. **Yao Hsueh Hsueh Pao** 1980 Jun; 15(6):359–64 (Eng. Abstr.) **(Chi)**

[Studies on Mosla soochowensis Matsuda. 1. Isolation and structure of mosloflavone (author's transl)] Wu FW, et al. **Yao Hsueh Hsueh Pao** 1981 Apr;16(4):310–2 (Eng. Abstr.) **(Chi)**

[A preliminary study of the correlation between phylogeny, chemical constituents and therapeutic effects of Rheum species] Xiao PG, et al. **Yao Hsueh Hsueh Pao** 1980 Jan; 15(1):33–9 (Eng. Abstr.) **(Chi)**

[Studies on the synthesis of anisodamine (author's transl)] Xie JX, et al. **Yao Hsueh Hsueh Pao** 1980 Jul;15(7):403–9 (Eng. Abstr.) **(Chi)**

[The chemical constituents of the Chinese drug 'Yadanzi.' I. Isolation and identification of daucosterol, brucein D and brucein E (author's transl)] Xie JX, et al. **Yao Hsueh Hsueh Pao** 1981 Jan;16(1):53–5 (Eng. Abstr.) **(Chi)**

[Isolation and identification of a hemostatic constituent from Chinese drug-jiu bi ying, the bark of Ilex rotund A Thunb (author's transl)] Xie PS, et al. **Yao Hsueh Hsueh Pao** 1980; 15(5):303–5 (Eng. Abstr.) **(Chi)**

[The determination of curcumol in the volatile oil of Curcuma aromatica by phloroglucinol spectrophotometry (author's transl)] Yang SD, et al. **Yao Hsueh Hsueh Pao** 1980 Apr;15(4):228–33 (Eng. Abstr.) **(Chi)**

[Studies on the xanthones of Veratrilla baillonii Franch. I. Structures of veratriloside and veratrilogenin (author's transl)] Yang YB, et al. **Yao Hsueh Hsueh Pao** 1980 Oct; 15(10):625–9 (Eng. Abstr.) **(Chi)**

[Chemical investigation of Chinese medicinal herb, bao gong teng. I. The isolation and preliminary study on a new miotic constituent, bao gong teng A (author's transl)] Yao TR, et al. **Yao Hsueh Hsueh Pao** 1979 Dec;14(12):731–5 (Eng. Abstr.) **(Chi)**

[Morphological and histological studies on the Chinese drug tien-hwa-feng(radix trichosanthis), its adulterants and substitutes (author's transl)] Yue CX, et al. **Yao Hsueh Hsueh Pao** 1979 Nov;14(11):641–54 (Eng. Abstr.) **(Chi)**

[Studies on the quantitative determination of farrerol in Man-Shan-Hong (Rhododendron dauricum T.)leaves (author's transl)] Zhang GD, et al.

Yao Hsueh Hsueh Pao 1980 Dec;15(12):736–40 (Eng. Abstr.) **(Chi)**

[Studies on chemical constituents of dengzhanhua (Erigeron breviscapus (Vant.) Hand–Mazz). I. The isolation and identification of pyromeconic acid and a new glucoside (author's transl)] Zhang RW, et al.
Yao Hsueh Hsueh Pao 1981 Jan;16(1):68–9 (Eng. Abstr.) **(Chi)**

[The separation and determination of alkaloids in Sophora flavescens Ait. and its preparations (author's transl)] Zhang YZ, et al. **Yao Hsueh Hsueh Pao** 1981 Apr;16(4):283–8 (Eng. Abstr.) **(Chi)**

[The analysis of styptic medicinal herbs Hong Mian Teng (Rubus rufo–lanatus) by mass spectrometry, (I) (author's transl)] Zhu MS. **Yao Hsueh Hsueh Pao** 1981 Jun; 16(6):471–3 **(Chi)**

[High performance liquid chromatography applied to the residue determination of organophosphorus insecticides in medicinal plants (author's transl)] Atindehou E, et al.
Ann Pharm Fr 1981 Jun;39(2):171–80 (Eng. Abstr.) **(Fre)**

[About the reactions between ethylene oxide and various plant powders (author's transl)] Chaigneau M, et al.
Ann Pharm Fr 1980;38(3):207–14 (Eng. Abstr.) **(Fre)**

[Phenolic components from Tussilago farfara (author's transl)] Didry N, et al. **Ann Pharm Fr** 1980;38(3):237–41 (Eng. Abstr.) **(Fre)**

[Immunostimulant properties of an extract isolated and partially purified from Aloe vahombe] Solar S, et al.
Arch Inst Pasteur Madagascar 1980;47(1):9–39 (Eng. Abstr.) **(Fre)**

[Preparation and determinations of galenical forms from Anemone pulsatilla (author's transl)] Pourrat A, et al.
J Pharm Belg 1980 Jul–Aug;35(4):277–80 (Eng. Abstr.) **(Fre)**

[Diterpene ketols with antimicrobial activity from Bifurcaria bifurcata (author's transl)] Biard JF, et al. **Planta Med** 1980 Nov;40(3):288–94 (Eng. Abstr.) **(Fre)**

[A new antiphlogistic principle from Sabal serrulata, I (author's transl)] Wagner H, et al. **Planta Med** 1981 Mar; 41(3):244–51 (Eng. Abstr.) **(Ger)**

[Sedative–hypnotic compounds in the exhalation of hops, II] Hänsel R, et al. **Z Naturforsch** [C] 1980 Nov–Dec; 35(11–12):1096–7 (Eng. Abstr.) **(Ger)**

[Rhizomes and roots of alpine dock (Rumex alpinus L.)] Babulka P. **Acta Pharm Hung** 1980 Jul;50(4):177–82 (Eng. Abstr.) **(Hun)**

[Vitamin C content of edible and medicinal plants of the Apulia Region] Bruno S, et al. **Boll Soc Ital Biol Sper** 1980 Oct 30;56(20):2067–70 (Eng. Abstr.) **(Ita)**

[High–speed liquid chromatographic analysis of drugs. IX. Determination of gentiopicroside in Swertiae Herba (author's transl)] Akada Y, et al. **Yakugaku Zasshi** 1980 Jun;100(6):678–80 (Eng. Abstr.) **(Jpn)**

[High–speed liquid chromatographic analysis of drugs. XI. Quantitative determination of swertiamarin in Swertiae Herba (author's transl)] Akada Y, et al.
Yakugaku Zasshi 1980 Jul;100(7):770–3 (Eng. Abstr.) **(Jpn)**

[High–speed liquid chromatographic analysis of drugs. XIII. Determination of daidzin in Puerariae Radix (author's transl)] Akada Y, et al. **Yakugaku Zasshi** 1980 Oct; 100(10):1057–60 (Eng. Abstr.) **(Jpn)**

[High–speed liquid chromatographic analysis of drugs. XII. Determination of paeoniflorin in pharmaceutical preparations including paeony root (author's transl)] Akada Y, et al. **Yakugaku Zasshi** 1980 Sep;100(9):958–61 (Eng. Abstr.) **(Jpn)**

[Studies on constituents of Angelicae dahuricae Radix. I. On a new furocoumarin derivative (author's transl)] Fujiwara H, et al. **Yakugaku Zasshi** 1980 Dec;100(12):1258–61 (Eng. Abstr.) **(Jpn)**

[On coumarins from the fruits of Angelica pubescens Maxim (author's transl)] Hata K, et al. **Yakugaku Zasshi** 1981 Jan; 101(1):67–71 (Eng. Abstr.) **(Jpn)**

[Studies on the constituents of Agrimonia pilosa Ledeb. I. Biological activities of the acidic fraction soluble in n–hexane of the roots (author's transl)] Koshiura R, et al. **Yakugaku Zasshi** 1980 Nov;100(11):1167–70 (Eng. Abstr.) **(Jpn)**

[Pharmacological studies on the Chinese crude drug 'Shôma'. III. Central depressant and antispasmodic actions of Cimicifuga rhizoma, Cimicifuga simplex Wormsk (author's transl)] Shibata M, et al. **Yakugaku Zasshi** 1980 Nov; 100(11):1143–50 (Eng. Abstr.) **(Jpn)**

[Studies on the water–soluble constituents of the roots of Scutellaria baicalensis Georgi (Wogon) (author's transl)] Takagi S, et al. **Yakugaku Zasshi** 1980 Dec;100(12):1220–4 (Eng. Abstr.) **(Jpn)**

[Changes in the crocin and geniposide contents in the developing fruits of Gardenia jasminoides forma grandiflora (author's transl)] Umetani Y, et al.
Yakugaku Zasshi 1980 Sep;100(9):920–4 (Eng. Abstr.) **(Jpn)**

[Biologically active principles of crude drugs. Analgesic and anti–inflammatory effects of 'Keigai (Shizonepeta tenuifolia Briq)' (author's transl)] Yamahara J, et al.
Yakugaku Zasshi 1980 Jul;100(7):713–7 (Eng. Abstr.) **(Jpn)**

[Separation of coumarins from Peucedanum arenarium L.] Dimov N, et al. **Farmatsiia** 1980 May–Jun;29(3):34–7 (Eng. Abstr.) **(Rus)**

[Macro– and microelement composition of root extracts of Rhodiola rosea (golden root)] Komar VV, et al.
Farm Zh 1980 Jun;(3):58–60 (Eng. Abstr.) **(Ukr)**

ANATOMY & HISTOLOGY

[Morphological and histological studies on Andrographis paniculata (Burm. F.) Nees. and comparison with four other Acanthaceae herbs (author's transl)] Chen JH, et al.
Yao Hsueh Hsueh Pao 1980 Dec;15(12):750–60 (Eng. Abstr.) **(Chi)**

[Morphological and anatomical diagnosis of the subterranean vegetative organs of Pueraria lobata. I] Kartmazova DS, et al. **Farm Zh** 1980 Jun;(3):61–3 **(Ukr)**

CLASSIFICATION

An approach utilizing information from traditional medicine to identify tumor–inhibiting plants. Farnsworth NR, et al.
J Ethnopharmacol 1981 Jan;3(1):85–99

The role of WHO in the selection and characterization of medicinal plants (vegetable drugs). Penso G.
J Ethnopharmacol 1980 Jun;2(2):183–8

The exploitation of medicinal plants of the Mediterranean area. Picci V. **J Ethnopharmacol** 1980 Mar;2(1):81–9

[African medicinal plants II. Antitussive action of a lyophilized extract of Guiera senegalensis (combretaceae)] Faye O, et al. **Dakar Med** 1980;25(4):285–92 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

Nodulation studies in species of genus Cassia. Gaur YD.
Zentralbl Bakteriol [Naturwiss] 1980;135(3):201–4

IMMUNOLOGY

Hypersensitivity to aloe. Morrow DM, et al.
Arch Dermatol 1980 Sep;116(9):1064–5

METABOLISM

[The formation of balsamic duct and the effect of serial cutting upon the balsamic duct development of Styrax hypoglauca Perk (author's transl)] Deng XQ, et al.
Yao Hsueh Hsueh Pao 1981 Jun;16(6):448–53 **(Chi)**

PLANTS, TOXIC

Poisonous plants. Lucy JS, et al. **Am Pharm** 1981 Feb; 21(2):42–5

Experimental poisoning of horses and cattle with Swainsona canescens var horniana. Locke KB, et al. **Aust Vet J** 1980 Aug;56(8):379–83

Stypandra imbricata ('blindgrass') toxicosis in goats and sheep – clinical and pathologic findings in 4 field cases. Main DC, et al. **Aust Vet J** 1981 Mar;57(3):132–5

Quercetin, a rat intestinal and bladder carcinogen present in bracken fern (Pteridium aquilinum). Pamukcu AM, et al. **Cancer Res** 1980 Oct;40(10):3468–72

Tumor induction in germ–free rats fed bracken (Pteridium aquilinum). Sumi Y, et al. **Cancer Res** 1981 Jan;41(1):250–2

Abrus and ricinus ingestion: management of three cases. Kinamore PA, et al. **Clin Toxicol** 1980 Oct;17(3):401–5

Natural carcinogenic products of plant origin. Hirono I.
CRC Crit Rev Toxicol 1981;8(3):235–77 (307 ref.)

More chapters in the bracken saga. Cooper P.
Food Cosmet Toxicol 1980 Jun;18(3):311–2

Tissue distribution and disposition of hymenoxon. Hill DW, et al. **J Agric Food Chem** 1980 Nov–Dec;28(6):1269–73

Quantitative changes in myelin proteins in a peripheral neuropathy caused by Tullidora (Karwinskia humboldtiana). Aoki K, et al. **J Neurochem** 1981 Jan; 36(1):1–8

Influence of weed seed oil contamination on the nutritional quality of diets containing low erucic acid rapeseed (Brassica napus, Tower cultivar) oil when fed to rats. Rose SP, et al. **J Nutr** 1981 Feb;111(2):355–64

Keep away from that 'tree' folks! [news] Gunby P.
JAMA 1980 Dec 12;244(23):2596

Block of Na current and intramembrane charge movment in myelinated nerve fibres poisoned with a vegetable toxin. Dubois JM, et al. **Nature** 1981 Feb 19;289(5799):685–8

The acute oral toxicity of hymenoxon in sheep. Terry MK, et al. **Res Commun Chem Pathol Pharmacol** 1981 Jan; 31(1):181–4

Field recognition of eastern poison oak: with emphasis on plants in Alabama. Guin JD, et al. **South Med J** 1981 Apr; 74(4):435–7, 443

Hepatic and renal toxicity of lantana in the guinea pig. Sharma OP, et al. **Toxicol Lett** 1981 Feb;7(4–5):347–51

Smooth muscle stimulating substances in the stinging nettle tree Obetia pinnatifida. Maitai CK, et al. **Toxicon** 1981; 19(1):186–8

A survey of toxic plants on a farm in Riley County, Kansas. Beaty J. **Vet Hum Toxicol** 1981 Feb;23(1):33

[Occupational contact allergy to feverfew Tanacetum parthenium (L.) Schultz–Bip.; Asteraceae] Hausen BM.
Derm Beruf Umwelt 1981;29(1):18–21 (Eng. Abstr.) **(Ger)**

[Poisonous plants of Slovenia] Pintar L.
Arh Hig Rada Toksikol 1980;31(3):259–65 (Eng. Abstr.) **(Scr)**

ANALYSIS

Studies on lectins. XLVIII. Isolation and characterization of lectins from the seeds of Lathyrus odoratus L. and Lathyrus silvestris L. Tichá M, et al.
Acta Biol Med Ger 1980;39(6):649–55

Inhibition of lysosomal alpha–mannosidase by swainsonine, an indolizidine alkaloid isolated from Swainsona canescens. Dorling PR, et al. **Biochem J** 1980 Nov 1;191(2):649–51

A characterization of abrin A from the seeds of the Abrus precatorius plant. Herrmann MS, et al.
Biochim Biophys Acta 1981 Feb 27;667(2):397–410

Effects of extracts of toxic fescue given orally to rats. Daniels LB, et al. **Can J Comp Med** 1981 Apr;45(2):173–6

Fluorimetric determination of oenanthotoxin. del Castillo B, et al. **Ital J Biochem** 1980 Jul–Aug;29(4):233–7

Isolation and redefinition of the toxic agent from cocklebur (Xanthium strumarium). Cole RJ, et al.
J Agric Food Chem 1980 Nov–Dec;28(6):1330–2

Regiospecific attack of nitrogen and sulfur nucleophiles on quinones derived from poison oak/ivy catechols (urushiols) and analogues as models for urushiol–protein conjugate formation. Liberato DJ, et al. **J Med Chem** 1981 Jan; 24(1):28–33

An investigation of the antitumor activity of Sesbania drummondii. Powell RG, et al. **J Nat Prod** 1981 Jan–Feb; 44(1):86–90

Phototoxic furanoquinolines of the Rutaceae. Towers GH, et al. **Planta Med** 1981 Feb;41(2):136–42

Coumarins and related compounds in members of the connaraceae. Vickery M, et al. **Toxicol Lett** 1980 Feb; 5(2):115–18

Lantadene A content and toxicity of the lantana plant (Lantana camara, Linn.) to guinea pigs. Sharma OP, et al. **Toxicon** 1980;18(4):485–8

Detection of pyrrolizidine–type alkaloids in matarique (Cacalia decomposita). Sullivan G. **Vet Hum Toxicol** 1981 Feb;23(1):6–7

[Study of some African toxic euphobiacees containing cucurbitacins (author's transl)] Tessier AM, et al.
Toxicol Eur Res 1978;1(5):329–36 (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Recognition of poison ivy during winter with emphasis on Midwestern plants. Guin JD, et al. **Int J Dermatol** 1980 Nov;19(9):500–3

CLASSIFICATION

Plants that cause dermatitis. Aplin TE.
Australas J Dermatol 1981 Apr;22(1):33–5

IMMUNOLOGY

Immunologic studies of poisonous Anacardiaceae: I. Production of tolerance and desensitization to poison Ivy and oak urushiols using esterified urushiol derivatives in guinea pigs. Watson ES, et al. **J Invest Dermatol** 1981 Mar; 76(3):164–70

PLAQUE ASSAY

A plaque reduction assay for studying antigenic relationships among strains of Rickettsia tsutsugamushi. Oaks SC Jr, et al. **Am J Trop Med Hyg** 1980 Sep;29(5):998–1006

The role of trypsin in plaque formation by simian rotavirus SA–11. Ramia S, et al. **Can J Comp Med** 1980 Oct; 44(4):433–9

A plaque assay for malignant catarrhal fever virus and virus neutralizing activity. Hazlett DT. **Can Vet J** 1980 May; 21(5):162–4

Quantitative clinicopathologic study of senile dementia. Kurucz J, et al. **J Am Geriatr Soc** 1981 Apr;29(4):158–63

The choice of bacterial strains to detect phages in sera. Petricciani JC, et al. **J Biol Stand** 1981 Jan;9(1):45–9

Plaque assay for Ebola virus. Moe JB, et al.
J Clin Microbiol 1981 Apr;13(4):791–3

Serologic diagnosis of enterovirus type 71 infections using selected plaque mutants. Numazaki Y, et al.
J Infect Dis 1981 Jan;143(1):122–6

A sensitive plaque inhibition technique for assay of antibodies to influenza virus: use to detect previous antigenic priming with influenza viruses. Zakay–Rones Z, et al.
J Virol Methods 1980;1(6):355–60

The rickettsial plaque. Evidence for direct cytopathic effect of Rickettsia rickettsii. Walker DH, et al. **Lab Invest** 1980 Oct;43(4):388–96

Biological properties of plaque–size variants of Sendai virus. Sugita K, et al. **Microbiol Immunol** 1981;25(4):353–60

The effect of metabolic inhibitors on the large plaque effect with Herpes simplex virus. Babich MA, et al.
Photochem Photobiol 1981 Aug;34(2):197–201

Australian infectious bronchitis viruses: plaque formation and assay methods. Wadey CN, et al. **Res Vet Sci** 1981 Jan; 30(1):66–9

PIF, a highly sensitive plaque assay for the induction of interferon. Francoeur AM, et al. **Virology** 1980 Sep; 105(2):526–36

[Statistical evaluation of the results of titrating viral infectivity by the plaque method] Lashkevich VA, et al.
Vopr Virusol 1980 Sep–Oct;(5):563–6 **(Rus)**

METHODS

Plaque assay of Heliothis zea baculovirus employing a mixed agarose overlay. Yamada K, et al. **Arch Virol** 1981; 67(2):187–9

Improvement in plaquing methods for the enumeration of anatid herpesvirus (duck plague virus). Attanasio R, et al. **Intervirology** 1980;14(5–6):245–52

A simplified plaque assay system for measles virus. Mann GF, et al. **J Biol Stand** 1980;8(3):219–25

A simplified plaque assay for influenza viruses in Madin–Darby kidney (MDCK) cells. Huprikar J, et al. **J Virol Methods** 1980;1(2):117–20

Herpes simplex virus produces larger plaques when assayed on ultraviolet irradiated CV1 cells. Coohill TP, et al. **Photochem Photobiol** 1980 Jul;32(1):97–8

[Interferon titration by means of plaques under a bentonite layer] Krivokhatskaia LD, et al. **Lab Delo** 1981;(3):172–4 (Eng. Abstr.) **(Rus)**

[Modification of rabies virus plaque formation technic and its use in the study of viral persistence] Bogomolova NN, et al. **Vopr Virusol** 1980 Jan–Feb;(1):110–1 **(Rus)**

PLAQUE THERAPY, RADIOISOTOPE see **BRACHYTHERAPY**

PLASMA

Plasma and synovial fluid as solvents for monosodium urate. Dorner RW, et al. **Ann Rheum Dis** 1981 Feb;40(1):70–4

Effect of plasma from cyclophosphamide–treated mice on CFU–S in an in vivo culture system. Fried W, et al. **Blood** 1980 Nov;56(5):940–2

Effects of platelet inhibitors on the platelet aggregation induced by plasma from patients with thrombotic thrombocytopenic purpura. Lian EC, et al. **Blood** 1981 Aug;58(2):354–9

Platelet adherence to collagen: role of plasma, ADP, and divalent cations. Cowan DH, et al. **Br J Haematol** 1981 Feb;47(2):257–67

The circulatory effects of acute hypervolemia and hemodilution in conscious rabbits. Faris IB, et al. **Circ Res** 1981 Jun;48(6 Pt 1):825–34

Supplementary quality controls of plasma fractions for manufactures and consumers. Schneider W. **Folia Haematol (Leipz)** 1980;107(2):291–8

Characterization of cryofibrinogen isolated from patients plasma. Stathakis NE, et al. **Haemostasis** 1981; 10(4):195–202

Preparation and standardization of fresh frozen plasma and cryoprecipitate in a developing blood bank. Nanu A, et al. **Indian J Pathol Microbiol** 1980 Oct;23(4):235–40

The use of the Mount Vernon formula in the treatment of burn shock. Muir I. **Intensive Care Med** 1981 Jan;7(2):49–53

Serum stimulation of potassium fluxes, ouabain binding, and sodium fluxes in quiescent chicken embryo fibroblasts. Johnson MA, et al. **J Cell Physiol** 1980 May;103(2):363–70

The development and evaluation of a sensitive and specific radioimmunoassay for oxytocin in unextracted plasma. Robinson IC. **J Immunoassay** 1980;1(3):323–47

Individual variations in response of human cerebral arterioles to vasoactive substances, human plasma, and CSF from patients with aneurysmal SAH. Brandt L, et al. **J Neurosurg** 1981 Sep;55(3):431–7

The availability of plasma products and the care of hemophilia patients. Aledort LM. **JAMA** 1981 Jul 10; 246(2):157

Effect of sodium intake on ability of human plasma to inhibit renal Na+–K+–adenosine triphosphatase in vitro. de Wardener HE, et al. **Lancet** 1981 Feb 21;1(8217):411–3

Requirements for modernizing the monitoring system of human biologics. Historic events in the expanding role of human plasma, fractionation, and other areas. Camp FR Jr, et al. **Milit Med** 1981 Jan;146(1):14–23

Plasma infusion and plasma exchange in chronic idiopathic polyneuropathy [letter] Maas AI, et al. **N Engl J Med** 1981 Aug 6;305(6):344

Effects of acute plasma for blood exchange in experimental polycythemia. Brashear RE. **Respiration** 1980; 40(6):297–306

Standards for Factor VIII. Barrowcliffe TW. **Scand J Haematol** 1980;25(Suppl 37):104–9

The use of reference plasmas in the control of oral anticoagulant therapy. Miale JB. **Scand J Haematol** 1980; 25(Suppl 37):21–33

Plasma infusion in the treatment of thrombotic thrombocytopenic purpura. Byrnes JJ. **Semin Thromb Hemostas** 1981 Winter;7(1):9–14

Studies during rapid defibrinogenation followed by intra–arterial infusion of plasma on the pulmonary and renal function in dogs. Berglin E, et al. **Thromb Res** 1980 Aug 1;19(3):371–80

Electrochemical activity determination of trypsin–like enzymes. III. Application to the assay of antithrombin III in aqueous solutions, human plasma and whole blood. Daraio de Peuriot M, et al. **Thromb Res** 1980 Nov 1; 20(3):299–306

Quantitative removal of heparin from plasma and other aqueous solutions by affinity adsorption on poly(L–lysine)–sepharose 4B. Mohammad SF, et al. **Thromb Res** 1980 Dec 1–15;20(5–6):599–609

Stability of factors V and VIII in thawed fresh frozen plasma units. Milam JD, et al. **Transfusion** 1980 Sep–Oct; 20(5):546–8

Platelet storage: an assessment of the requirements for plasma and oxygen. Rock G, et al. **Transfusion** 1981 Mar–Apr; 21(2):167–77

Contamination of commercial blood products by di–2–ethylhexyl phthalate and mono–2–ethylhexyl phthalate. Cole RS, et al. **Vox Sang** 1981 May;40(5):317–22

Selection of plasma for hepatitis B immune globulin using a low cost radioimmunoassay. Hopkins R, et al. **Vox Sang** 1981 Jan;40(1):6–11

[Experimental studies of the treatment of hypotensive blood circulation disorders during sequential ultrafiltration hemodialysis] Klinkmann H, et al. **Z Gesamte Inn Med** 1980 Jun 1;35(11):442–6 (Eng. Abstr.) **(Ger)**

[Primary nucleation of ice crystals in biological systems] Novikov AN, et al. **Biofizika** 1980 Jul–Aug;25(4):605–9 (Eng. Abstr.) **(Rus)**

[Mechanism of action of blood plasma in postresuscitation states] Novoderzhkina IS, et al. **Biull Eksp Biol Med** 1980 Sep;90(9):291–3 (Eng. Abstr.) **(Rus)**

[Diurnal rhythms of super–weak blood plasma luminescence in rats] Serkiz IaI. **Fiziol Zh** 1981 Jan–Feb;27(1):118–21 **(Rus)**

[Blood and plasma transfusion in the treatment of prolonged succinylcholine apnea] Alvarez Gómez JA, et al. **Rev Esp Anestesiol Reanim** 1981 Jan;28(1):36–43 (Eng. Abstr.) **(Spa)**

[Reactions induced by the transfusion of plasma and its derivatives (author's transl)] Buñuel C, et al. **Sangre (Barc)** 1980;25(5B):807–27 (Eng. Abstr.) **(Spa)**

ANALYSIS

Cytoplasmic blood plasma inclusions of canine hepatocytes demonstration by immunoperoxidase–labeling method. Abe K, et al. **Am J Vet Res** 1980 Sep;41(9):1507–11

Plasma fractionation: production and properties of albumin. Boros B. **Ann Immunol Hung** 1979;19:149–61

Humoral control of thrombopoiesis. Levin J, et al. **Blood Cells** 1979 Mar 23;5(1):105–21

Whole plasma or plasma water: the problem of the reference base [letter] Paron DN. **Clin Chem** 1981 Apr;27(4):642

What's new in psychiatry: tricyclic plasma levels [news] Reed K, et al. **Tex Med** 1981 Jan;77(1):44–5

Fatty acid patterns during plasma fractionation. Morgenthaler JJ, et al. **Vox Sang** 1980;38(5):288–93

Plasma glucose and alkaline phosphatase levels in guinea–fowls (Numida meleagris) and Nigerian domestic fowls (Gallus domesticus). Olowookorun MO, et al. **Zentralbl Veterinaermed [A]** 1980;27(7):578–82

[Rapid determination of the free plasma fraction of drugs (letter)] Jadot G, et al. **Ann Biol Clin (Paris)** 1980; 38(6):379–80 **(Fre)**

[Studies on complement system in chronic liver diseases with special reference to the dissociation between plasma and serum complement level (author's transl)] Hishitani Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Jan;78(1):31–8 (Eng. Abstr.) **(Jpn)**

CYTOLOGY

Prostaglandins and endothelial stability. Hladovec J. **Arzneimittelforsch** 1981;31(1):46–8

DRUG EFFECTS

Synthetic chromogenic substrate S–2251 splitting activity in low molecular weight dextran sulphate treated plasma [letter] Matsuo O. **Thromb Res** 1980 May 1–15; 18(3–4):597–8

ENZYMOLOGY

Inhibition of bovine plasma amine oxidase by superoxide dismutase active CU(II) complexes. Dooley DM, et al. **Biochem Biophys Res Commun** 1980 Sep 30;96(2):823–30

Enzymes of lysosomal origin in human plasma and serum: assay conditions and parameters influencing the assay. Lombardo A, et al. **Clin Chim Acta** 1980 Dec 22; 108(3):337–46

IMMUNOLOGY

Protection against hemorrhagic shock in the cat by human plasma containing endotoxin–specific antibodies. Gaffin SL, et al. **J Surg Res** 1981 Jul;31(1):18–21

Funnelweb–spider venom antagonist. Atkinson RK, et al. **Med J Aust** 1980 Sep 20;2(6):329–30

Blood group antigens acquired from the plasma. Crookston MC. **Prog Clin Biol Res** 1980;43:99–114 (86 ref.)

Relationship between I and H antigens. I. A study of the plasma and saliva of a normal population. Rouger P, et al. **Transfusion** 1980 Sep–Oct;20(5):536–9

METABOLISM

Transport of amino acids in whole blood and plasma of sheep. Heitmann RN, et al. **Am J Physiol** 1980 Oct; 239(4):E242–E247

Effect of lipoprotein–free plasma on the interaction of human plasma high density lipoprotein with egg yolk phosphatidylcholine liposomes. Damen J, et al. **Biochim Biophys Acta** 1980 Oct 6;620(1):90–9

An improvement of the analytical description of temporal variations of plasma and total platelet activities, studied using 75Se–methionin as an in vivo tracer. Martino R, et al. **Boll Soc Ital Biol Sper** 1979 Mar 30;55(6):523–8

Related effects of calcium and serum on the G1 phase of the human W138 fibroblast. Tupper JT, et al. **J Cell Physiol** 1980 Jul;104(1):97–103

Hydrolysis of flavin adenine dinucleotide and flavin mononucleotide by rabbit blood. Okumura M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1980;26(3):231–6

Changes in blood plasma osmolality and states of mania. Baxter CF, et al. **Neurochem Res** 1981 Jan;6(1):47–53

Intra–aortic decrease in blood plasma pH. Rispens R, et al. **Pfluegers Arch** 1980 Jul;386(1):97–9

Comparisons between the abilities of various human and ovine plasmas to inhibit prostaglandin synthesis. Mitchell MD, et al. **Prostaglandins Med** 1981 May;6(5):495–501

Exchanges between plasma and red cells at a variable temperature. Rodeau JL, et al. **Respir Physiol** 1980 Dec; 42(3):345–50

[Behavior of creatine in red blood cells and blood plasma of adult rats following exposure to hypoxia] Syllm–Rapoport I, et al. **Acta Biol Med Ger** 1980; 39(10):1021–6 (Eng. Abstr.) **(Ger)**

[Creatine content in erythrocytes and blood plasma of chickens before and following stimulation of erythropoiesis by anemia] Syllm–Rapoport I, et al. **Acta Biol Med Ger** 1980;39(10):1015–9 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Motion, deformation, and interaction of blood cells and plasma during flow through narrow capillary tubes. Gaehtgens P, et al. **Blood Cells** 1980;6(4):799–817

Fast transit of red cells and plasma in contracted versus relaxed spleens. Levesque MJ, et al. **Can J Physiol Pharmacol** 1981 Jan;59(1):53–8

Endogenous inhibitors of lipoxygenase. Saeed SA, et al. **Eur J Pharmacol** 1980 Oct 3;67(1):169–70

Change in human blood plasma pH with pressure. Morild E. **J Appl Physiol** 1981 Feb;50(2):320–4

A device for the routine measurement of plasma oncotic pressure. Rithalia SV, et al. **J Biomed Eng** 1981 Jan; 3(1):71–2

Inhibition of growth of human breast cancer cell line MCF–7 by serum derived from calcium chloride–clotted plasma. Gaffney EV, et al. **JNCI** 1980 Dec;65(6):1215–9

[Microcirculation and substance exchange through it — methods and principles. (4) The role of plasma colloid osmotic pressure in transcapillary fluid movement] Kakiuchi Y, et al. **Iyodenshi To Seitai Kogaku** 1980 Sep; 18(5):373–9 (44 ref.) **(Jpn)**

[Effect of various biological fluids on the electrostatic properties of electrets made of knitted fascia Dallop prostheses] Lowkis B. **Polim Med** 1980;10(3):135–56 (Eng. Abstr.) **(Pol)**

[Spectral characteristics of the superweak luminescence of rat blood plasma] Serkiz IaI. **Fiziol Zh** 1980 Sep–Oct; 26(5):698–700 **(Rus)**

[Formation of plasma capillaries when microcirculation is reduced] Mchedlishvili GI, et al. **Fiziol Zh SSSR** 1980 Oct; 66(10):1499–1505 (Eng. Abstr.) **(Rus)**

[Blood coagulating properties of the plasma, thrombocytes and erythrocytes of persons with different ABO blood groups] Loban' GA. **Probl Gematol Pereliv Krovi** 1981 Mar; 26(3):15–7 **(Rus)**

PLASMA CELL DYSCRASIAS see **PARAPROTEINEMIAS**

PLASMA CELLS

Separation of normal mature bone marrow plasma cells. Mendelow B, et al. **Br J Haematol** 1980 Jun;45(2):251–62

The separation of human palatine tonsillar cells in the reorienting gradient zonal rotor: a large–capacity enrichment of plasma cells. Daugherty DF, et al. **Clin Exp Immunol** 1980 Nov;42(2):370–7

Surgical treatment and course of pulmonary pseudotumor (plasma cell granuloma). Mandelbaum I, et al. **J Thorac Cardiovasc Surg** 1981 Jul;82(1):77–82

[Plasma cell granuloma. A pseudo–neoplastic lesion simulating plasmocytoma] Holck S, et al. **Ugeskr Laeger** 1981 13 Apr;143(16):1024–5 (Eng. Abstr.) **(Dan)**

[Chronic plasmocellular balanitis and erythroplasia] van de Staak WJ, et al. **Ned Tijdschr Geneeskd** 1980 Dec 13; 124(50):2113–5 **(Dut)**

[Bone marrow failure with plasmocytosis in a diabetic child (author's transl)] Mutz ID, et al. **Klin Paediatr** 1980 Nov; 192(6):573–6 (Eng. Abstr.) **(Ger)**

[The plasma cell granuloma – an inflammatory pulmonary pseudotumour (author's transl)] Stark P. **ROEFO** 1981 Mar; 134(3):265–8 (Eng. Abstr.) **(Ger)**

ANALYSIS

Alpha–endorphin–like immunoreactivity in plasma cells of the canine colonic mucosa. Grube D. **Histochemistry** 1980; 69(2):157–60

Immunoglobulin–containing plasma cells in chronic parotitis and malignant lymphomas of the parotid gland. Comparing immunocytochemical observations of frequency and localization. von Gumberz C, et al. **Virchows Arch [Pathol Anat]** 1980;389(1):79–92

CYTOLOGY

Differentiation pathway of Peyer's patch precursors of IgA plasma cells in the secretory immune system. Roux ME, et al. **Cell Immunol** 1981 Jun;61(1):141–53

Plasmacytic differentiation of circulating Epstein–Barr virus–infected B lymphocytes during acute infectious mononucleosis. Robinson JE, et al. **J Exp Med** 1981 Feb 1;153(2):235–44

[Lympho-plasmacyte response of hematopoietic marrow of rats with tumor grafts treated with immunostimulants and cytostatic drugs] Postică F, et al. **Morphol Embryol (Bucur)** 1980 Oct–Dec;26(4):355–9 **(Fre)**

DRUG EFFECTS

[Immunological and enzymatical activity after dimiinidoester fixation (author's transl)] Halbhuber KJ, et al. **Acta Histochem (Jena)** 1980;66(1):85–100 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Plasma cell acid phosphatase as an adjunct in the differential diagnosis of monoclonal immunoglobulinemias. Tortarolo M, et al. **Acta Haematol (Basel)** 1981;65(2):103–7

Intracytoplasmatic muramidase in 'histiocytic lymphoma'. Urbano U, et al. **Pathologica** 1979 Nov–Dec;71(1016):851–5

IMMUNOLOGY

The subcellular localization of immunoglobulin in mouse plasma cells, as studied with immunoferritin cytochemistry on ultrathin frozen sections. Geuze HJ, et al. **Am J Anat** 1980 Jun;158(2):161–9

Production of agglutinators and rheumatoid factors in plasma cells of rheumatoid and nonrheumatoid synovial tissues. Fehr K, et al. **Arthritis Rheum** 1981 Mar;24(3):510–9

Plasma cells and their immunoglobulins in the normal and delayed healing of the extraction wound in man. Syrjänen SM, et al. **Br J Oral Surg** 1980 Sep;18(2):100–6

T-cell–dependent and independent plasma cell differentiation induced by Escherichia coli Lipopolysaccharide in human peripheral blood lymphocytes. Levitt D, et al. **Clin Immunol Immunopathol** 1981 Mar;18(3):309–21

Kinetics of recovery of serum Ig levels and of cytoplasmic Ig positive cells in various lymphoid organs of nude mice after thymus transplantation. Haaijman JJ, et al. **Immunology** 1980 Oct;41(2):279–87

The identification of functioning plasma cells in cervical tissue by an immunoperoxidase technique. Marmar JL, et al. **Int J Fertil** 1981;26(1):25–9

Plasma cell counts on human jejunal biopsy specimens examined by immunofluorescence and immunoperoxidase techniques: a comparative study. Kingston D, et al. **J Clin Pathol** 1981 Apr;34(4):381–3

A case of plasmacytosis with multiple peculiar eruptions. Kitamura K, et al. **J Dermatol (Tokyo)** 1980 Oct;7(5):341–9

Staining patterns for the anti–horseradish peroxidase antibody reaction in proplasma cells developing in the medulla of rat popliteal lymph nodes during the secondary response. Straus W. **J Histochem Cytochem** 1981 Apr;29(4):525–30

Endogenous retroviral envelope antigen in plasma cells. Halpern MS, et al. **J Immunol** 1981 Aug;127(2):698–702

Cyclic AMP and immune responses: identification of prostaglandin E-producing cells in mouse spleens. Shimamura T, et al. **Tokai J Exp Clin Med** 1980 Oct; 5(4):443–9

Immunohistological patterns of immunoglobulins in dysplasias, benign neoplasms and carcinomas of the breast. Sienski W. **Tumori** 1980 Dec 31;66(6):699–711

A T-dependent plasma cell response: part of a graft-versus-host and host-versus-graft reaction in the rabbit spleen. Veldman JE, et al. **Virchows Arch [Cell Pathol]** 1980;33(2):127–38

[Immunohistology of the antibody-formation against M-protein of Streptococcus pyogenes in Macaca mulatta (author's transl)] Wagner M, et al. **Acta Histochem [Suppl] (Jena)** 1980;22:331–7 (Eng. Abstr.) **(Ger)**

[Intracellular immunoglobulins in lymphogranulomatosis] Balázs L, et al. **Folia Haematol (Leipz)** 1980;107(4):621–7 (Eng. Abstr.) **(Ger)**

METABOLISM

Plasma cell dyscrasias—a comparative study of cell surface properties in plasma cell leukemia and myeloma. Wetter O, et al. **Leuk Res** 1980;4(2):249–59

PATHOLOGY

Serum beta 2-microglobulin, serum creatinine and bone marrow plasma cells in benign and malignant monoclonal gammopathy. Morell A, et al. **Acta Haematol (Basel)** 1980; 64(2):87–93

Lichen planus with plasma cell infiltrate. Lupton GP, et al. **Arch Dermatol** 1981 Feb;117(2):124–5

Plasma cell granuloma of the thyroid. Holck S. **Cancer** 1981 Aug 1;48(3):830–2

The pathology of gamma heavy chain disease: report of a case with morphologic progression from lymphocytic to plasmacytic proliferation. Marsh WL Jr, et al. **Cancer** 1981 Jun 15;47(12):2878–82

CSF cytology of acute viral meningitis and meningoencephalitis. Pelc S, et al. **Eur Neurol** 1981; 20(2):95–102

Aplastic anemia with hypergammaglobulinemia, systemic plasmacytosis and positive RA test.—histopathological study on an autopsy case. Hanai J, et al. **Nippon Ketsueki Gakkai Zasshi** 1980 Aug;43(4):689–99

Bone marrow percentage of plasma cells in the staging of monoclonal gammopathies. Vercelli D, et al. **Nouv Rev Fr Hematol** 1980;22(2):139–45

Plasma-cell gingivitis. Palmer RM, et al. **Oral Surg** 1981 Feb; 51(2):187–9

Pathogenesis and host response in subcutaneous alveolar hydatidosis. II. Intense plasmacellular infiltration in the paracortex of draining lymph nodes. Ali-Khan Z, et al. **Z Parasitenkd** 1980;62(3):255–65

[Quantitative immunocytochemical study of plasma cells in the stroma reaction in malignant skin tumors (author's transl)] Bejui-Thivolet F, et al. **Arch Anat Cytol Pathol** 1980;28(6):379–80 (Eng. Abstr.) **(Fre)**

[Plasmacytic leukemia—characteristics of the size and shape of atypical plasma cells in 3 cases] Isobe T, et al. **Nippon Rinsho** 1980 Nov;38(11):4445–8 **(Jpn)**

[Plasma cell granulomas of the lung and mediastinum] Strel'tsov VP, et al. **Grudn Khir** 1980 Sep–Oct;(5):59–62 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Abnormal pattern of the rough endoplasmic reticulum of plasma cells in multiple myeloma with multiple concentric lamellar bodies and 'single sac loops'. Stavem P, et al. **Acta Med Scand** 1980;208(1–2):115–8

The ultrastructure of a membranous structure, the labyrinth, present in bone marrow plasma cells. Blom J. **Acta Pathol Microbiol Scand [A]** 1981 Jan;89A(1):27–34

Plasma cell leukemia and myeloma: a scanning electron-microscopic study of cell surface features in six cases. Polliack A, et al. **Am J Clin Pathol** 1981 Jun; 75(6):834–8

Ultrastructural study of pulmonary plasma cell granuloma—report of a case. Shirakusa T, et al. **Br J Dis Chest** 1979 Jul;73(3):289–96

Multiple myeloma in young men. Clinical course and electron microscopic studies of bone marrow plasma cells. Lazarus HM, et al. **Cancer** 1980 Sep 15;46(6):1397–400

The presence of plasma cells in the lamprey (Agnatha). Kilarski W, et al. **Dev Comp Immunol** 1981 Spring; 5(2):361–6

Cytoplasmic fibrils in plasma cell leukemia. Isobe T, et al. **Nippon Ketsueki Gakkai Zasshi** 1980 Aug;43(4):738–42

[Vulvitis plasmacellularis Zoon (author's transl)] Mensing H, et al. **Z Hautkr** 1981 Jun 1;56(11):728–32 (Eng. Abstr.) **(Ger)**

[Acute plasmacytic leukemia: clinical considerations and morphological, cytochemical and ultrastructural aspects] Spremolla G, et al. **Recenti Prog Med** 1981 Mar; 70(3):292–311 (129 ref.) (Eng. Abstr.) **(Ita)**

PLASMA EXCHANGE

Thrombotic thrombocytopenic purpura: prolonged coma with recovery of neurologic function with intensive plasma exchange. Frankel AE, et al. **Am J Hematol** 1981 Jun; 10(4):387–90

Plasma exchange removes glycosphingolipid in Fabry disease. Pyeritz RE, et al. **Am J Med Genet** 1980;7(3):301–7

Removal of tobramycin during plasma exchange therapy [letter] Appelgate R, et al. **Ann Intern Med** 1981 Jun; 94(6):820–1

Plasma exchange in myasthenia gravis: electrophysiological studies. Campbell WW Jr, et al. **Ann Neurol** 1980 Dec; 8(6):584–9

Plasma exchange in polyradiculoneuropathy. Toyka KV, et al. **Ann Neurol** 1980 Aug;8(2):205–6

Plasma exchange in systemic lupus erythematosus. Parry HF, et al. **Ann Rheum Dis** 1981 Jun;40(3):224–8

Plasma exchange therapy in Lucio's phenomenon [letter] Wallach D, et al. **Arch Dermatol** 1980 Oct;116(10):1101

Control of life-threatening bleeding by combined plasmapheresis and immunosuppressive treatment in a haemophiliac with inhibitors. Révész T, et al. **Arch Dis Child** 1980 Aug;55(8):641–3

Plasma exchange ineffective in amyotrophic lateral sclerosis. Silani V, et al. **Arch Neurol** 1980 Aug;37(8):511–3

Repetitive intermittent flow plasma exchange in patients with severe hypercholesterolemia. Stein EA, et al. **Atherosclerosis** 1981 Jan–Feb;38(1–2):149–64

Treatment of severe pre-eclampsia by plasma exchange. d'Apice AJ, et al. **Aust NZ J Obstet Gynaecol** 1980 Nov; 20(4):231–5

Plasma therapy for TTP [letter] Case DC Jr. **Blood** 1981 Aug;58(2):409

Partial plasma exchange using albumin replacement: removal and recovery of normal plasma constituents. Orlin JB, et al. **Blood** 1980 Dec;56(6):1055–9

Plasma exchange for a hemolytic crisis due to autoimmune hemolytic anemia of the IgG warm type. Garelli S, et al. **Biut** 1980 Nov;41(5):387–91

Prolongation of suxamethonium following plasma exchange. Lumley J. **Br J Anaesth** 1980 Nov;52(11):1149–50

The role of intensive plasma exchange in the prevention and management of haemorrhage in patients with inhibitors to factor VIII. Slocombe GW, et al. **Br J Haematol** 1981 Apr; 47(4):577–85

Plasma exchange in severe rhesus haemolytic disease [letter] Newland AC, et al. **Br Med J** 1980 Aug 9;281(6237):452

Plasma exchange to control sweats and pruritus in malignant disease. Shaw D, et al. **Br Med J** 1980 Nov 29; 281(6253):1459

Effect of plasma exchange in rhesus immunisation [letter] Tovey D, et al. **Br Med J** 1980 Aug 2;281(6236):387–8

Plasma exchange in herpes gestationis. Van de Wiel A, et al. **Br Med J** 1980 Oct 18;281(6247):1041–2

Plasma exchange and human factor VIII concentrate in managing haemophilia A with factor VIII inhibitors. Wensley RT, et al. **Br Med J** 1980 Nov 22;281(6252):1388–9

Successful plasmapheresis in the Miller–Fisher syndrome [letter] **Br Med J [Clin Res]** 1981 May 16;282(6276):1627

Successful plasmapheresis in the Miller–Fisher syndrome [letter] **Br Med J [Clin Res]** 1981 Jun 20;282(6281):2055–6

Plasma exchange to control sweats and pruritus in malignant disease [letter] Hamblin TJ. **Br Med J [Clin Res]** 1981 Jan 24;282(6260):319

Plasmapheresis in the haemolytic-uraemic syndrome in children [letter] Sweny P, et al. **Br Med J [Clin Res]** 1981 Jun 27;282(6282):2137

Thrombotic thrombocytopenic purpura with a subacute course: remission after steroids and high-dose plasma exchange. Kohn D, et al. **Isr J Med Sci** 1981 Apr; 17(4):283–5

Pemphigus vulgaris and plasma exchange: clinical and serologic studies. Swanson DL, et al. **J Am Acad Dermatol** 1981 Mar;4(3):325–8

Plasma exchange at the university of Iowa hospitals and clinics. Koepke JA. **J Iowa Med Soc** 1980 Dec;70(12):510–3

Treatment of Guillain–Barré syndrome by plasma exchange. Rumpl E, et al. **J Neurol** 1981;225(3):207–17

Anti-acetylcholine receptor antibody titres in the sera of myasthenia patients treated with plasma exchange combined with immunosuppressive therapy. Carter B, et al. **J Neurol Neurosurg Psychiatry** 1980 May;43(5):397–402

Plasma exchange in refractory acute autoimmune hemolytic anemia. Bernstein ML, et al. **J Pediatr** 1981 May; 98(5):774–5

Plasma exchange in selected patients with juvenile rheumatoid arthritis. Brewer EJ Jr, et al. **J Pediatr** 1981 Feb;98(2):194–200

Calculation of volumes for exchange transfusion [letter] Levine DH. **J Pediatr** 1980 Nov;97(5):870–1

Plasma exchange in treatment of leucocytoclastic vasculitis. Cohen J, et al. **J R Soc Med** 1980 Jun;73(6):457–60

Plasma exchange in nephritis [editorial] Pinching AJ, et al. **J R Soc Med** 1979 Jun;72(6):395–7

Plasma exchange therapy for severe penicillamine-induced myasthenia gravis. Lang AE, et al. **J Rheumatol** 1981 Mar–Apr;8(2):303–7

Plasma transfusion in rheumatoid arthritic patients [letter] Moro L, et al. **J Rheumatol** 1981 Jan–Feb;8(1):179–81

From the NCHTC: Evaluation of therapeutic apheresis for rheumatoid arthritis. **JAMA** 1981 Sep 4;246(10):1053

Replacement fluid in plasma exchange [letter] Das PC, et al. **Lancet** 1980 Sep 20;2(8195 pt 1):644

Plasma exchange in Raynaud's phenomenon [letter] Hamilton WA, et al. **Lancet** 1980 Aug 30;2(8192):475

Plasma exchange and the paid donor system [letter] McAuley C. **Lancet** 1980 Oct 18;2(8199):855

Factor VIII collection by pheresis. McLeod BC, et al. **Lancet** 1980 Sep 27;2(8196):671–3

Plasma exchange for hypercholesterolaemia. Thompson GR. **Lancet** 1981 Jun 6;1(8232):1246–8

Antenatal plasma exchange therapy. Harbord MG, et al. **Med J Aust** 1980 Jun 28;1(13):647–8

Blood letting reborn: plasma exchange [editorial] Isbister JP. **Med J Aust** 1980 Jun 28;1(13):633

Antibody-negative acquired myasthenia gravis: successful therapy with plasma exchange [letter] Miller RG, et al. **Muscle Nerve** 1981 May–Jun;4(3):255

Plasma infusion and plasma exchange in chronic idiopathic polyneuropathy [letter] Maas AI, et al. **N Engl J Med** 1981 Aug 6;305(6):344

Intensive plasma exchange in thrombotic thrombocytopenic purpura (TTP). Cooper MR, et al. **NC Med J** 1981 Jun; 42(6):403–4

Plasma exchange: aid to therapy of multiple sclerosis? van den Noort S, et al. **Neurology (NY)** 1980 Oct;30(10):1111

Phlebotomy with iron therapy to correct the microcytic polycythemia of chronic hypoxia. Sondel PM, et al. **Pediatrics** 1981 May;67(5):667–70

Reversal of rejection and subsidence of immunoglobulinuria by intensive plasmapheresis. Burrows L, et al. **Proc Eur Dial Transplant Assoc** 1980;17:491–5

A controlled trial evaluating intensive plasma exchange in renal transplant recipients. Cardella CJ, et al. **Proc Eur Dial Transplant Assoc** 1980;17:429–34

Theoretical model of epuration by plasma exchange. Application to Anti-Rh 'D' immunisation. Cregut R, et al. **Rev Fr Transfus** 1980 Jul;23(3):365–71

The adaption of hemodialysis to facilitate rapid exchange transfusion in patients with thrombotic thrombocytopenic purpura (TTP). Rossi EC, et al. **Semin Thromb Hemostas** 1981 Winter;7(1):22–4

Plasma exchange transfusion. Taft EG, et al. **Semin Thromb Hemostas** 1981 Winter;7(1):15–21

Plasma exchange and platelet function in Raynaud's phenomenon. Zahavi J, et al. **Thromb Res** 1980 Jul 1–15;

19(1-2):85-93
One-year follow-up of plasma exchange therapy in 14 patients with idiopathic thrombocytopenic purpura. Marder VJ, et al. **Transfusion** 1981 May-Jun;21(3):291-8
Evans' syndrome: possible benefit from plasma exchange. Patten E, et al. **Transfusion** 1980 Sep-Oct;20(5):589-93
Plasma exchange in management of a patient with diffuse necrotizing cutaneous vasculitis. Valbonesi M, et al. **Vox Sang** 1980 Nov;39(5):241-5
Successful treatment by plasma exchange in Guillain-Barré syndrome with immune complexes. Valbonesi M, et al. **Vox Sang** 1980;38(4):181-4
[Plasma extraction: a new therapeutic approach in various immunologic diseases] Kennes B, et al. **Acta Clin Belg** 1980; 35(1):33-44 (Eng. Abstr.) **(Fre)**
[Plasma exchange in the treatment of lepromatous leprosy] Wallach D, et al. **Acta Leprol (Geneve)** 1979 Sep-Dec; (76-77):285-90 **(Fre)**
[Plasma exchange] Cattaneo A, et al. **Ann Med Interne (Paris)** 1981;132(2):89-92 **(Fre)**
[Determination of anti-acetylcholine receptor antibodies in myasthenia and its treatment by plasma exchange and immunosuppressants] Goulon M, et al. **C R Soc Biol (Paris)** 1980;174(4):467-78 (Eng. Abstr.) **(Fre)**
[Plasma exchanges (author's transl)] **Nouv Presse Med** 1981 Apr 25;10(18):1493-8 (Eng. Abstr.) **(Fre)**
[Digitalis poisoning treated by plasma exchange (letter)] Arsac P, et al. **Nouv Presse Med** 1980 Nov 1;9(41):3097 **(Fre)**
[Treatment of Guillain-Barré syndrome by plasma exchange. 6 cases] Dureux JB, et al. **Nouv Presse Med** 1980 Dec 20; 9(48):3696-7 **(Fre)**
[Value of plasma exchange in the management of acute immunoallergic thrombocytopenic purpura (author's transl)] Zittoun R, et al. **Nouv Presse Med** 1981 Feb 28; 10(9):683-8 (Eng. Abstr.) **(Fre)**
[Treatment of myasthenia gravis by plasma exchange and immunosuppressors] Goulon M, et al. **Rev Med Interne** 1980;1(2):213-6 (Eng. Abstr.) **(Fre)**
[Plasma exchange using a cell separator for immune complex disease] Menini C, et al. **Riv Emoter Immunoematol** 1980; 27(1-2):38-50 (Eng. Abstr.) **(Ita)**
[The cell separator in the therapy of hepatic coma: preliminary experience in cases of viral hepatitis coma] Valbonesi M. **Riv Emoter Immunoematol** 1980;27(1-2):51-6 (Eng. Abstr.) **(Ita)**
[Plasma exchange therapy of fulminant hepatic failure (author's transl)] Yoshiba M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1980 Sep;77(9):1397-402 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Adverse effect of plasma exchange on anti-D production [letter] Wensley RT, et al. **Br Med J** 1980 Aug 30; 281(6240):619-20

INSTRUMENTATION

Clinical trial of plasma exchange with a membrane filter in treatment of crescentic glomerulonephritis. Asaba H, et al. **Clin Nephrol** 1980 Aug;14(2):60-5
Handy type haemofiltration-plasma exchange apparatus. Otsubo O, et al. **Proc Eur Dial Transplant Assoc** 1980; 17:357-61
[Case report of hyperviscosity syndrome treated with plasma exchange using the 'Aminco' separator] Bláha M, et al. **Vnitr Lek** 1980 Aug;26(8):786-91 (Eng. Abstr.) **(Cze)**

METHODS

Polygeline compared with plasma protein fraction as the sole replacement fluid in plasma exchange. Stellon AJ, et al. **Br Med J [Clin Res]** 1981 Feb 28;282(6265):696-7
Extracorporeal plasma therapy for homozygous familial hypercholesterolaemia [letter] Graisely B, et al. **Lancet** 1980 Nov 22;2(8204):1147
Fresh frozen plasma for vaso-occlusive crises in sickle cell disease [letter] Huehns ER, et al. **Lancet** 1981 Jun 13; 1(8233):1310-1
[Severe Rh-isoimmunization and intensive plasma exchange during pregnancy] Heyns AD, et al. **S Afr Med J** 1980 Nov 29;58(22):884-8 (Eng. Abstr.) **(Afr)**

PLASMA MEMBRANE see **CELL MEMBRANE**

PLASMA PROTEINS see **BLOOD PROTEINS**

PLASMA SUBSTITUTES

see related
BLOOD SUBSTITUTES

The metabolic consequences of blood and crystalloid cardioplegia. Engelman RM, et al. **Circulation** 1981 Aug; 64(2 Pt 2):67-74
Superiority of perfluorocarbon cardioplegia over blood or crystalloid cardioplegia. Kanter KR, et al. **Circulation** 1981 Aug;64(2 Pt 2):75-80
Haemaccel [letter] Mackenzie DC. **Med J Aust** 1981 Jan 24; 1(2):94
Polymers for blood replacement [news] Calvert P. **Nature** 1979 Jul 12;280(5718):108
[The use of plasma substitutes and albumin in blood component therapy] Lundsgaard-Hansen P, et al. **Klin Anaesthesiol Intensivther** 1980;21:120-35 **(Ger)**
[Clinical experience and blood volume measurement following intravenous administration of hydroxyethylstarch 450/0.7 (author's transl)] Bergmann H, et al. **Wien Med Wochenschr** 1980 Jun 15;130(11):367-9 (Eng. Abstr.) **(Ger)**
[Physicochemical properties of plasma substitute obtained on the basis of modified globin isolated from erythrocytes of donor blood] Lobunets KA. **Ukr Biokhim Zh** 1981 May-Jun;53(3):104-7 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

[Blood coagulation system after infusion of Fluigel 'Polfa'] Rudowski W, et al. **Pol Tyg Lek** 1980 Sep 22; 35(38):1459-61 (Eng. Abstr.) **(Pol)**
[Infusion therapy in the treatment of appendicular peritonitis in children by aspiration drainage of the abdominal cavity] Generalov AI, et al. **Sov Med** 1981;(1):96-9 **(Rus)**

ADVERSE EFFECTS

Acute intracranial hypertension occurring during infusion of stable plasma protein solution. Duncan AW, et al. **Anaesth Intensive Care** 1980 Nov;8(4):474-8
Paradoxical effect of hyperoncotic albumin in acutely burned children. Goodwin CW, et al. **J Trauma** 1981 Jan; 21(1):63-5
[Indications and contraindications for plasma substitutes in operative medicine] Simon J, et al. **Anaesth Intensivther Notfallmed** 1981 Apr;16(2):83-8 (49 ref.) **(Ger)**
[Reducing of unwanted side effects of modified fluid gelatin by promethazine: controlled clinical trial with orthopaedic patints (author's transl)] Schöning B, et al. **Anaesthesist** 1981 Jan;30(1):34-43 (Eng. Abstr.) **(Ger)**
[Death from anaphylactic shock in polyglucin transfusion] Ruban GE. **Sud Med Ekspert** 1981 Apr-Jun;24(2):57 **(Rus)**

ANALYSIS

[Production of a plasma substitute with hemodynamic properties based on modified globin of human erythrocytes] Lobunets KA. **Ukr Biokhim Zh** 1980 Nov-Dec;52(6):716-9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of saline expansion on peritubule capillary pressures and reabsorption. Ott CE. **Am J Physiol** 1981 Feb; 240(2):F106-10
The effects of crystalloid potassium cardioplegic solution on arterialized canine vein grafts. Assessment of chronic prostacyclin production and histopathologic alterations. Hoover EL, et al. **Circulation** 1981 Aug;64(2 Pt 2):96-100
Immunosuppressive effects of a synthetic polymer poly N-(2-hydroxypropyl)methacrylamide (Duxon). Paluska E, et al. **Folia Biol (Praha)** 1980;26(5):304-11
[New types of synthetic infusion solutions. The effect of Duxon on cell proliferation in vitro] Cinátl J, et al. **Cesk Farm** 1980 Jun;29(5):134-8 (Eng. Abstr.) **(Cze)**

STANDARDS

[Comparison of effects of hydroxyethylstarch (HES 200/0.5) administered pre- and postoperatively in vascular surgery with dextran 40 (60) (author's transl)] Khosropour R, et al. **Anaesthesist** 1980 Nov;29(11):616-22 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Plasma volume expansion in the treatment of pre-eclampsia. Sehgal NN, et al. **Am J Obstet Gynecol** 1980 Sep 15; 138(2):165-8
Effects of volume expansion and vasodilators in acute pericardial tamponade. Gascho JA, et al. **Am J Physiol** 1981 Jan;240(1):H49-53
Prospective controlled trial of cryoprecipitated plasma, plasma protein fraction and serum albumin solution for kidney preservation. Cho SI, et al. **Am J Surg** 1981 Apr; 141(4):441-5
Comparison of the relative effectiveness of colloids and crystalloids in emergency resuscitation. Shoemaker WC, et al. **Am J Surg** 1981 Jul;142(1):73-84
Antihypertensive effect of plasma volume expansion in pregnancy-associated hypertension. Gallery ED, et al. **Aust NZ J Med** 1981 Feb;11(1):20-4
Skeletal muscle microcirculation and oxygenation in experimental intestinal shock: A study on the efficacy of different plasma substitutes. Dawidson I, et al. **Circ Shock** 1980;7(4):435-45
Fluid therapy in emergency resuscitation: clinical evaluation of colloid and crystalloid regimens. Shoemaker WC, et al. **Crit Care Med** 1981 May;9(5):367-8
Use of a gelatin solution in hypovolaemia and toxaemia in small animals. Wells BT. **Vet Rec** 1980 Jul 26;107(4):85-7

TOXICITY

[Duxon--a new Czechoslovak--made infusion solution--an experimental contribution to biological evaluation] Stěrba O, et al. **Cas Lek Cesk** 1980 Sep 12;119(36-37):994-7 (Eng. Abstr.) **(Cze)**

PLASMA THROMBOPLASTIN ANTECEDENT see **FACTOR XI**

PLASMA THROMBOPLASTIN COMPONENT see **FACTOR IX**

PLASMA VOLUME

The volume of plasma and erythrocytes in individual bones and in the spleen of mice under physiological conditions and with acute radiation-induced atrophy of the haemopoietic tissue. Vácha J, et al. **Acta Haematol (Basel)** 1980;64(3):165-71
Effect on renal sodium and water excretion of the inhibition of prostaglandin synthesis in extracellular volume expansion. Tost H, et al. **Acta Physiol Acad Sci Hung** 1980; 55(3):169-79
Acute confusional states and dementia in the elderly: the role of dehydration/volume depletion, physical illness and age. Seymour DG, et al. **Age Ageing** 1980 Aug;9(3):137-46
Role of vasopressin, catecholamines, and plasma volume in hypertonic saline-induced hypertension. Hatzinikolaou P, et al. **Am J Physiol** 1981 Jun;240(6):H827-31
Bainbridge reflex in conscious, unrestrained, and tranquilized baboons. Vatner SF, et al. **Am J Physiol** 1981 Feb; 240(2):H164-7
Plasma volume changes in pregnancy in Indian and European primigravidae. Hutchins CJ. **Br J Obstet Gynaecol** 1980 Jul;87(7):586-9
Circulatory and ventilatory effects of hypervolaemia in artificially ventilated piglets. Lindahl S. **Can Anaesth Soc J** 1981 Jul;28(4):356-62
Plasma and interstitial volumes in essential hypertension: relationship to blood pressure. Bing RF, et al. **Clin Sci** 1981 Sep;61(3):287-93
Renin response to volume contraction and indomethacin in spontaneously hypertensive rats. Cangiano JL, et al. **Clin Sci** 1981 May;60(5):479-82
Abnormality of the renin/body-fluid-volume relationship in serially-studied inbred dogs with neonatally-induced coarctation hypertension. Bagby SP, et al. **Hypertension** 1980 Sep-Oct;2(5):631-42
Plasma volume and electrolyte changes during varied thermal stress. Rai UC, et al. **Indian J Med Res** 1980 Sep;72:416-21
A comparison of hemodynamic and volume characteristics of obese and non-obese hypertensive patients. Dustan HP, et al. **Int J Obes** 1981;5 suppl 1:19-25
Plasma volume, osmolality, vasopressin, and renin activity during graded exercise in man. Convertino VA, et al. **J Appl Physiol** 1981 Jan;50(1):123-8
Exercise training hypotension: implications for plasma volume, renin, and vasopressin. Greenleaf JE, et al. **J Appl Physiol** 1981 Aug;51(2):298-305
Hypoxia effects on plasma volume shifts at rest, work, and recovery in supine posture. Miles DS, et al. **J Appl Physiol** 1981 Jul;51(1):148-53
Intratumor distribution of blood flow and of vascular volume in a transplantable rat sarcoma. Karlsson L, et al. **J Cancer Res Clin Oncol** 1980;98(3):213-9
Plasma and interstitial fluid volume in extensive skin disease. Worm AM, et al. **J Invest Dermatol** 1981 Feb;76(2):108-9
Use of the hematocrit for estimating changes in plasma and red cell volumes in the rat. Miki K, et al. **Jpn J Physiol** 1980;30(2):287-90
Red cell/plasma ratio in blood flowing in microvascular beds under control and ischemic conditions. Mchedlishvili G, et al. **Microvasc Res** 1981 May;21(3):302-7
Blood volume and hematocrit in various organs in newborn piglets. Linderkamp O, et al. **Pediatr Res** 1980 Dec; 14(12):1324-7
Handling-induced changes in plasma volume and osmolality: adrenal modulation of blood parameters. Bartness TJ, et al. **Physiol Behav** 1981 Feb;26(2):177-82
Computer assisted data analysis in the dye dilution technique for plasma volume measurement. Bishop M, et al. **Physiologist** 1981 Apr-May;24(2):29-31
Plasma volume changes related to posture and exercise. Hagan RD, et al. **Proc Soc Exp Biol Med** 1980 Oct; 165(1):155-60
Effects of fluid resuscitation on total fluid loss following thermal injury. Hilton JG. **Surg Gynecol Obstet** 1981 Apr; 152(4):441-7
[Neuroendocrine control of the plasma volume] Gauer O. **J Physiol (Paris)** 1980 Jul;76(4):373-9 **(Fre)**
[Correlation between plasma volume and plasma renin activity, aldosteronemia, blood electrolytes and arterial pressure in a group of randomized hypertensives] Cerasola GA, et al. **Boll Soc Ital Cardiol** 1979;24(5):501-8 (Eng. Abstr.) **(Ita)**
[Relation between actual and theoretical plasma volume in hypertension. Correlation with peripheral resistance] Ricci S, et al. **Boll Soc Ital Cardiol** 1978;23(10):1695-8 **(Ita)**
[Plasma, erythrocyte and blood volume in men with borderline hypertension] Wyrzykowski B. **Pol Arch Med Wewn** 1980 May;63(5):465-72 (Eng. Abstr.) **(Pol)**

DRUG EFFECTS

Orthostatic hypotension after the first administration of prazosin in hypertensive patients: role of the plasma volume. Semplicini A, et al. **Clin Exp Pharmacol Physiol** 1981 Jan;8(1):1-10

Effects of furosemide-induced plasma volume reduction on plasma antidiuretic hormone in normal and hypertensive subjects. De Lima J, et al. **Clin Nephrol** 1981 May; 15(5):246-51

Na+ and Ca2+ ingestion: plasma volume-electrolyte distribution at rest and exercise. Greenleaf JE, et al. **J Appl Physiol** 1980 May;48(5):838-47

Pectin in the dumping syndrome: reduction of symptoms and plasma volume changes. Leeds AR, et al. **Lancet** 1981 May 16;1(8229):1075-8

Excessive drinking by rats with septal lesions during hypovolemia induced by subcutaneous colloid treatment. Stricker EM. **Physiol Behav** 1978 DEC;21(6):905-7

[Essential hypertension with low levels of plasma renin activity: effects of propranolol on aldosteronemia, plasma volume and electrolyte balance] Santucci A, et al. **Clin Ter** 1980 Aug 31;94(4):375-82 **(Ita)**

PLASMA VOLUME EXPANDERS see **PLASMA SUBSTITUTES**

PLASMACYTES see **PLASMA CELLS**

PLASMACYTOMA

[Solitary epibulbar plasmocytoma with intraocular invasion] Zolog N, et al. **Rev Chir [Oftalmol]** 1980 Oct-Dec; 24(4):297-9 (Eng. Abstr.) **(Rum)**

ANALYSIS

Cluster analysis of aminoacyl-tRNAs from mouse plasmacytomas correlates chromatographic profiles with myeloma protein similarity, clonal origin of tumour lines, and the neoplastic nature of the tissues. Mushinski JF, et al. **J Theor Biol** 1980 Aug 7;85(3):507-21

BLOOD

Presence of a tumour-inhibiting factor (TIF) in sera from normal but not tumour-bearing mice. Kim BS, et al. **Immunology** 1980 Oct;41(2):289-96

Immune complexes in human myeloma and rat immunocytoma. Gergely J, et al. **Ric Clin Lab** 1980 Jan-Mar;10(1):27-34

COMPLICATIONS

Peripheral neuropathy and plasma cell neoplasias: a report of 10 cases. Delauche MC, et al. **Br J Haematol** 1981 Jul; 48(3):383-92

Extramedullary plasmacytoma of the orbit: case report with results of immunocytochemical studies. Khalil MK, et al. **Can J Ophthalmol** 1981 Jan;16(1):39-42

Primary extramedullary plasmacytoma of the omentum associated with recurrent adenocarcinoma of the colon: first case report. Peison B, et al. **Hum Pathol** 1980 Jul; 11(4):399-401

[Polyradiculoneuritis associated with plasmocytoma. Recovery following radiotherapy (author's transl)] Bousser MG, et al. **Nouv Presse Med** 1981 Jan 24;10(3):157-60 (Eng. Abstr.) **(Fre)**

[Pseudohyponatremia in multiple myeloma (author's transl)] Overlack A, et al. **Klin Wochenschr** 1980 Sep 1; 58(17):875-80 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Nodular lymphoma eventuating into lymphoplasmocytic lymphoma with monoclonal IgM/lambda cold agglutinin and Bence-Jones proteinuria. Pascali E, et al. **Acta Haematol (Basel)** 1980;64(2):94-102

Plasmocytoma (a study of 222 cases). Capanna R. **Ital J Orthop Traumatol** 1978 Dec;4(3):339-51

Four unusual neoplasms of the nasopharynx. Wolff AP, et al. **Otolaryngol Head Neck Surg** 1980 Nov-Dec;88(6):753-9

Benign and malignant monoclonal gammopathies. Carney DN, et al. **Primary Care** 1980 Sep;7(3):369-94

Case report 151. Solitary plasmacytoma associated with peripheral neuropathy. Hermann G, et al. **Skeletal Radiol** 1981;6(3):217-9

Intrasellar solitary plasmacytoma terminating in multiple myeloma: a report of a case including electron microscopical study. Urbanski SJ, et al. **Surg Neurol** 1980 Sep;14(3):233-6

[Epiglottic plasmacytoma (author's transl)] Černý E, et al. **Cas Lek Cesk** 1981 May 21;120(20):618-20 (Eng. Abstr.) **(Cze)**

[Plasma cell granuloma. A pseudo-neoplastic lesion simulating plasmocytoma] Holck S, et al. **Ugeskr Laeger** 1981 13 Apr;143(16):1024-5 (Eng. Abstr.) **(Dan)**

[Contribution to study of plasmocytomas of the upper respiratory tract. 3 cases (author's transl)] Natali R, et al. **Ann Otolaryngol Chir Cervicofac** 1980 Oct-Nov; 97(10-11):889-96 (Eng. Abstr.) **(Fre)**

[Kahler's disease and solitary plasmacytoma in otorhinolaryngology: apropos of 2 primary forms] Gaillard J, et al. **J Fr Otorhinolaryngol** 1981 Jun;30(6):367-72 **(Fre)**

[Apparently isolated plasmacytoma of bone. Clinical and prognostic data. 114 cases and review of literature (author's transl)] Bataille R, et al. **Nouv Presse Med** 1981 Feb 14; 10(6):407-11 (Eng. Abstr.) **(Fre)**

[Neuro-opthalmological manifestations as the presentation of a colonic plasmocytoma (author's transl)] Schmitt J, et al. **Rev Otoneuroophtalmol** 1980 Mar-Apr;52(2):187-94 (Eng. Abstr.) **(Fre)**

[Sternal plasmocytoma with monoclonal dysglobulinemia 28 months after a trauma. Pathogenic discussion (author's transl)] Messerschmitt J, et al. **Sem Hop Paris** 1980 Jun 18-25;56(25-28):1133-7 (Eng. Abstr.) **(Fre)**

[IgD plasmocytoma: clinical and differential diagnostic features (author's transl)] Mauch H, et al. **Dtsch Med Wochenschr** 1981 May 22;106(21):678-81 (Eng. Abstr.) **(Ger)**

[Plasmacytoma of the orbit] Bosshard C, et al. **Klin Monatsbl Augenheilkd** 1980 Apr;176(4):666-71 (Eng. Abstr.) **(Ger)**

[Plasmacytoma--clinical picture and therapy] Cohnen G. **Med Monatsschr Pharm** 1979 Sep;2(9):266-71 **(Ger)**

[Problems of immunoglobulin analysis in IgD-plasmacytoma] Kühn RA, et al. **Z Gesamte Inn Med** 1980 Sep 15; 35(18):718-20 (Eng. Abstr.) **(Ger)**

[Solitary intracerebral plasmacytoma (author's transl)] Kanie N, et al. **Neurol Med Chir (Tokyo)** 1981 Mar;21(3):337-43 (Eng. Abstr.) **(Jpn)**

[Pyroglobulinemia developing in a case of IgA-lambda type multiple myeloma presenting as plasmocytoma of the mandible (author's transl)] Watanabe T, et al. **Rinsho Ketsueki** 1980 Jul;21(7):984-90 (Eng. Abstr.) **(Jpn)**

[Plasmacytoma of the upper respiratory tract] Durko T, et al. **Wiad Lek** 1981 Feb 15;34(4):337-9 **(Pol)**

[Extramedullary plasmacytoma located in the gastrointestinal tract. Report of a case] Kunzie JE, et al. **AMB** 1981 Jan; 27(1):26-8 (Eng. Abstr.) **(Por)**

[Plasmacytoma of the middle ear] Lučić M, et al. **Vojnosanit Pregl** 1981 Mar-Apr;38(2):123-5 **(Scr)**

DRUG THERAPY

Assessment of myeloma maintenance regimen of prednisone. Adriamycin, imuran, and vincristine in a murine plasmacytoma model. Ghanta VK, et al. **Cancer Clin Trials** 1981;4(2):135-41

A murine plasmacytoma model for screening active drugs for human myeloma. Hiramoto RN, et al. **Cancer Clin Trials** 1980;3(4):395-402

Cooperation between cyclophosphamide tumoricidal activity and host antitumor immunity in the cure of mice bearing large MOPC-315 tumors. Hengst JC, et al. **Cancer Res** 1981 Jun;41(6):2163-7

Specific interaction of myeloma tumor cells with hapten-bearing liposomes containing methotrexate and carboxyfluorescein. Leserman LD, et al. **Cancer Res** 1980 Dec;40(12):4768-74

Distribution, excretion, and metabolism of 3-[(4-amino-2-methyl-5-pyrimidinyl)methyl]-1-(2-chlor (ACNU) in rats and mice after iv administration. Tanaka M, et al. **Cancer Treat Rep** 1980 Apr-May;64(4-5):575-80

Iodine-123-iododeoxyuridine: a potential indicator of tumour response to treatment. Robins AB, et al. **Int J Nucl Med Biol** 1981;8(1):53-63

Pseudofontanelle in multiple myeloma [letter] Nissenblatt MJ, et al. **JAMA** 1981 Jun 12;245(22):2298

Growth characteristics of MOPC-315 plasmacytoma and response to anticancer agents. Valeriote F, et al. **JNCI** 1981 Jun;66(6):1083-8

Clinical correlations of in vitro drug sensitivity. Salmon SE, et al. **Prog Clin Biol Res** 1980;48:223-45

ENZYMOLOGY

Enzymecytochemistry and immunohistochemistry in monoclonal gammopathy and reactive plasmacytosis. Johansen P, et al. **Acta Pathol Microbiol Scand [A]** 1980 Nov;88A(6):377-82

Stimulation of chelators of the membrane bound adenylate cyclase in plasmacytoma cells. Simonin G, et al. **Biochem Biophys Res Commun** 1980 Aug 29;95(4):1615-22

Isolation from murine myeloma and leukemia cells of a selective inhibitor of DNA polymerases. Gottlieb AA, et al. **Cancer Res** 1980 Mar;40(3):758-70

Purification and properties of a mouse-cell DNA-repair endonuclease, which recognizes lesions in DNA induced by ultraviolet light, depurination, gamma-rays, and OsO4 treatment. Nes IF. **Eur J Biochem** 1980 Nov;112(1):161-8

Identification of a lymphocyte enzyme that catalyzes pentamer immunoglobulin M assembly. Roth RA, et al. **J Biol Chem** 1981 May 10;256(9):4633-9

Purification and characterization of an endonuclease specific for apurinic sites in DNA from a permanently established mouse plasmacytoma cell line. Nes IF. **Nucleic Acids Res** 1980 Apr 11;8(7):1575-89

FAMILIAL & GENETIC

Cytogenetic studies on IgA/lambda-producing murine plasmacytomas: regular occurrence of a T(12;15) translocation. Wiener F, et al. **Somatic Cell Genet** 1980 Nov;6(6):731-8

[Hybridomas] Margni RA. **Medicina (B Aires)** 1980 Mar-Apr; 40(2):220-2 **(Spa)**

IMMUNOLOGY

Synthesis of abnormal immunoglobulins in lymphoplasmacytic disorders with visceral light chain deposition. Preud'homme JL, et al. **Am J Med** 1980 Nov; 69(5):703-10

Heavy-chain mutants derived from gamma 2b mouse myeloma: characterization of heavy-chain messenger ribonucleic acid, proteins, and secretion in deletion mutants and messenger ribonucleic acid in gamma2a mutant progeny. Monk RJ, et al. **Biochemistry** 1981 Apr 14; 20(8):2330-9

Extramedullary plasmacytoma with gastric and lymph node involvement: an immunological study. Preud'homme JL, et al. **Cancer** 1980 Oct 15;46(8):1753-8

Effect of immune response to sheep red blood cells on plasmacytoma MOPC 104 E. Ghanta VK, et al. **Cancer Res** 1981 Jun;41(6):2197-9

Effect of cyclophosphamide on the immune response of BALB/c mice bearing an immunoglobulin M plasmacytoma (TEPC-183). Havas HF, et al. **Cancer Res** 1981 Mar;41(3):801-7

Transplantation of primary plasma cell tumor without 2,6,10,14- tetramethylpentadecane (pristane) treatment of the hosts. Platica M, et al. **Cancer Res** 1980 Mar; 40(3):579-81

Suppressive effect of X-irradiated tumor cell presensitization on the induction of syngeneic tumor immunity. II. Opposite effects of intravenous administration of TNP-conjugated tumor cells on the development of antitumor and anti-TNP-self cytotoxic effector cells. Fujiwara H, et al. **Cell Immunol** 1981 Mar 15;59(1):181-6

Studies of antibody affinity in plasmacytoma-bearing mice: evidence for a maturational defect of B lymphocytes. Zolla-Pazner S, et al. **Cell Immunol** 1981 Jul 15; 62(1):149-55

Dissociation of depressed general immunocompetence and anti-tumor immunity in plasmacytoma-bearing mice demonstrating suppressor cell activity. Padarathsingh ML, et al. **Cell Mol Biol** 1980;26(6):589-95

A new surface antigen (PC.2) expressed exclusively on plasma cells. Tada N, et al. **Immunogenetics** 1980; 11(4):351-62

Biochemical comparison of PC.1 from neuronal cells and from B cells. Tung JS, et al. **Immunogenetics** 1980; 11(4):417-19

Regulation of immune responses against the syngeneic ADJ-PC-5 plasmacytoma in BALB/c mice. I. Analysis of immune parameters involved. Cihak J, et al. **Immunology** 1981 May;43(1):133-43

Regulation of immune responses against the syngeneic ADJ-PC-5 plasmacytoma in BALB/c mice. II. Suppression of T-cell cytotoxicity by pretreatment of mice with subimmunogenic doses of tumour cells. Cihak J, et al. **Immunology** 1981 May;43(1):145-52

Immunosuppression in BALB/c mice bearing the plasmacytoma TEPC-183: massive increase in red pulp macrophages induced by the tumour. Joshua DE, et al. **Immunology** 1980 Jun;40(2):223-8

Effect of dextran-S (alpha, 1-3 dextran) on the growth of plasmacytomas MOPC-104E and J558. Bhoopalam N, et al. **J Immunol** 1980 Oct;125(4):1454-8

Continuous cytotoxic T cell lines reactive against murine plasmacytoma tumor-associated antigens. Giorgi JV, et al. **J Immunol** 1981 Jan;126(1):322-30

Lymphocyte surface membrane immunoglobulin in myeloma. II. T cells with IgA-Fc receptors are markedly increased in mice with IgA plasmacytomas. Hoover RG, et al. **J Immunol** 1980 Sep;125(3):1280-8

F1 hybrid resistance to murine plasmacytoma MOPC-70A: hybrid resistance to MOPC-70A controlled by a locus linked to H-2. Kaneko Y, et al. **J Immunol** 1980 Nov; 125(5):2031-8

Mechanism of neonatal idiotype suppression. III. Delayed maturation of plasmacytoma stem cells in neonatally suppressed hosts. Kans JA, et al. **J Immunol** 1981 Aug; 127(2):509-13

Multiple expression of Ig lambda-chain encoding RNA species in murine plasmacytoma cells. Schwartz RC, et al. **J Immunol** 1981 Jun;126(6):2104-8

Augmented induction of tumor-specific resistance by priming with Mycobacterium tuberculosis (TBC) and subsequent immunization with PPD-coupled syngeneic tumor cells. Takatsu K, et al. **J Immunol** 1980 Dec;125(6):2367-73

Some immunological peculiarities in generalized plasmacytoma and their possible clinical interpretation. Šakalová A, et al. **Neoplasma** 1981;28(2):195-203

An experiment that had to succeed [news] Lewin R. **Science** 1981 May 15;212(4496):767-9

METABOLISM

Leukotriene A4: enzymatic conversion to leukotriene C4. Rådmark O, et al. **Biochem Biophys Res Commun** 1980 Oct 31;96(4):1679-87

Comparison of the rate of aminoacylation of tRNA isolated from NMRI mouse liver with tRNA isolated from Krebs II ascites or mouse plasmacytoma cells. Berg BH, et al. **Cancer Lett** 1981 Apr;12(3):209-15

Biochemical changes induced by tumors at distant sites: altered transfer RNA profiles in livers of mice bearing plasmacytomas. Marini M, et al. **Cancer Lett** 1979 Dec; 8(2):177-81

Conversion of 5,8,11-eicosatrienoic acid to leukotrienes C3 and D3. Hammarström S. **J Biol Chem** 1981 Mar 10; 256(5):2275-9

Redistribution of concanavalin A receptors on peripheral blood lymphocytes of myeloma patients. Wetter O, et al.

Leuk Res 1980;4(6):639–50

[The relation of enzymatic methylation of inverted DNA repeats to transcription in mouse P815 mastocytoma cells (author's transl)] Boehm TL, et al. **Z Naturforsch [C]** 1980 Jul–Aug;35(7–8):611–20 (Eng. Abstr.) **(Ger)**

[Translation of MOPC 21 plasmacytoma cell mRNA in a cell-free wheat germ system] Goriunova LE, et al. **Mol Biol (Mosk)** 1980 Sep–Oct;14(5):1173–86 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Immunocytoma in black and white South Africans. Shulman G, et al. **Trop Geogr Med** 1980 Jun;32(2):112–7

PATHOLOGY

Primary testicular plasmacytoma: a case report. Kaneshige T, et al. **Acta Med Okayama** 1980 Nov;34(5):315–22

Primary plasmocytomas of the cranial vault. Jakubowski J, et al. **Acta Neurochir (Wien)** 1980;55(1–2):117–34

Extramedullary IgM plasmacytoma presenting in skin. Swanson NA, et al. **Am J Dermatopathol** 1981 Spring; 3(1):79–83

Clonal analysis of mouse plasmacytomas showing decreased oncogenicities after long-term culture. Gindhart TD, et al. **Ann Clin Lab Sci** 1980 Jul–Aug;10(4):320–6

Experimental plasmacytoma in mice. I. Induction, morphological and biological characteristics. Salwa J. **Arch Immunol Ther Exp (Warsz)** 1980;28(1):167–72

Localized and indolent myeloma. Alexanian R. **Blood** 1980 Sep;56(3):521–5

Intratumor maturational heterogeneity within the murine myeloma MOPC-315. Daley MJ. **Cancer Res** 1981 Jan; 41(1):187–91

Extramedullary plasmacytoma of the larynx. Bjelkenkrantz K, et al. **J Otolaryngol** 1981 Feb;10(1):28–34

Effect of a zinc-deficient diet on the growth of an IgM-secreting plasmacytoma (TEPC-183). Fenton MR, et al. **JNCI** 1980 Dec;65(6):1271–2

Inhibition of B-lymphocyte clonal proliferation by spleen cells from plasmacytoma-bearing mice. Hamburger AW. **JNCI** 1980 Dec;65(6):1337–43

Development of a bioassay for human myeloma colony-forming cells. Hamburger AW, et al. **Prog Clin Biol Res** 1980;48:23–41

[Clinopathological conference 61. Upper abdominal tumor and plasmacytoma] Mustajoki P. **Duodecim** 1980; 96(21):1422–30 **(Fin)**

[Diffuse gingival plasmocytoma: a rare location of extra-osseous solitary plasmocytomas (author's transl)] Tep P, et al. **Ann Med Interne (Paris)** 1981;132(1):36–40 (Eng. Abstr.) **(Fre)**

[Myeloma localized to the mandibuloparotid region (author's transl)] Ohana J, et al. **Rev Stomatol Chir Maxillofac** 1981; 82(1):11–4 (Eng. Abstr.) **(Fre)**

[Transformation of a rib plasmocytoma into an amyloid tumor (author's transl)] Muñoz JA, et al. **Med Clin (Barc)** 1981 Mar 25;76(6):267–70 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Hormonal effects upon the rate of proliferation of the murine plasmacytoma MOPC 315. Chan AK, et al. **Oncology** 1980; 37(6):411–7

Reduced tumor growth after low-dose irradiation or immunization against blastic suppressor T cells. Tilkin AF, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1809–12

Somatic cell hybrids from frog lymphocytes and mouse myeloma cells. Hengartner H, et al. **Science** 1981 May 29; 212(4498):1034–5

PREVENTION & CONTROL

Tumour immunoprophylaxis in mice using glutaraldehyde-treated syngeneic myeloma cells. Ben-Efraim S, et al. **Br J Cancer** 1981 Apr;43(4):554–7

RADIOGRAPHY

Plasmacytoma arising in the vicinity of a foreign body in the nasal cavity. Ben-David J, et al. **Laryngoscope** 1981 Jul;91(7):1150–4

RADIOTHERAPY

Radiotherapy of extramedullary plasmacytoma of the head and neck. Harwood AR, et al. **Clin Radiol** 1981 Jan; 32(1):31–6

Solitary plasmacytoma of the calvarium [letter] Medini E, et al. **Int J Radiat Oncol Biol Phys** 1980 Jul;6(7):955

Solitary plasmacytoma of bone and soft tissue. Mendenhall CM, et al. **Int J Radiat Oncol Biol Phys** 1980 Nov; 6(11):1497–501

SECONDARY

Enhancement of lethal metastasis of plasmacytoma in mice rendered tolerant to tumor-associated transplantation antigens. Fujiwara H, et al. **Gan** 1980 Aug;71(4):479–89

SECRETION

IgD-secreting murine plasmacytomas: identification and partial characterization of two IgD myeloma proteins. Finkelman FD, et al. **J Immunol** 1981 Feb;126(2):680–7

SURGERY

[Surgical risk in plasmacytoma] Franzen U, et al. **Chirurg** 1981 Mar;52(3):153–6 (Eng. Abstr.) **(Ger)**

[Solitary plasmocytoma of the lung. Anatomo-clinical considerations on a case] De Simone M, et al. **Minerva Chir** 1980 Sep 15;35(17):1245–50 (Eng. Abstr.) **(Ita)**

[A case of solitary extramedullary plasmacytoma of the liver. Successful hepatectomy for gigantic tumor excreting massive Bence Jones protein in urine (author's transl)] Abe T, et al. **Rinsho Ketsueki** 1980 Jul;21(7):1047–53 (Eng. Abstr.) **(Jpn)**

[Problems of extramedullary plasmocytomas of the upper aero-digestive tract (apropos of a clinical case)] Olariu B, et al. **Rev Chir [Otorinolaringol]** 1980 Oct–Dec;25(4):253–64 (28 ref.) (Eng. Abstr.) **(Rum)**

THERAPY

[Comprehensive treatment of Ewing's sarcoma, reticulosarcoma and solitary myeloma] Tolstopiatov BA, et al. **Vrach Delo** 1980 Jul;(7):73–6 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Malignant lymphoma of the thyroid gland with plasma cell differentiation (plasmacytoma). Buss DH, et al. **Cancer** 1980 Dec 15;46(12):2671–5

Ultrastructure and polysome content of the microsomal subfractions of mouse plasmacytoma cells. Svardal AM, et al. **Mol Cell Biochem** 1981 Feb 11;34(3):165–75

[Plasmacytoma with pituitary localization. Report of a case] Vallat M, et al. **Bull Soc Ophtalmol Fr** 1981 Mar; 81(3):355–6 (Eng. Abstr.) **(Fre)**

[A case of solitary plasmacytoma] Irsai E, et al. **Morphol Igazsagugyi Orv Sz** 1981 Jan;21(1):48–50 **(Hun)**

[Gastric plasmacytoma. Review of the literature and report of a case] Peralta Zagal JA, et al. **Rev Gastroenterol Mex** 1980 Oct–Dec;45(4):187–92 (Eng. Abstr.) **(Spa)**

VETERINARY

A solitary plasmacytoma in a dog with progression to a disseminated myeloma. Lester SJ, et al. **Can Vet J** 1980 Oct;21(10):284–6

PLASMALOGENS

BIOSYNTHESIS

On the role of long-chain aldehydes in mammalian plasmalogen biosynthesis. Reddy PV, et al. **J Neurochem** 1981 Jul;37(1):238–42

METABOLISM

Liberation of free aldehyde from 1-(1-alkenyl)-sn-glycero-3-phosphoethanolamine (lysoplasmalogen) by rat liver microsomes. Gunawan J, et al. **Hoppe Seylers Z Physiol Chem** 1981 Apr;362(4):445–52

PLASMAPHERESIS

Computer simulation studies of therapeutic plasmapheresis. Lundsgaard-Hansen P, et al. **Acta Haematol Pol** 1980 Apr–Jun;11(2):117–20

Plasmapheresis of hepatitis B surface antigen carriers. Milich DR, et al. **Acta Haematol Pol** 1980 Apr–Jun;11(2):73–8

Plasmapheresis in patients with leukaemia, multiple myeloma and immune complex diseases. Mód A, et al. **Acta Haematol Pol** 1980 Jul–Sep;11(3):165–71

Plasmapheresis--bloodletting revived and refined. Waldenström JG. **Acta Med Scand** 1980;208(1–2):1–4

Plasma exchange (plasmapheresis). Hughes GR. **Agents Actions [Suppl]** 1980;7:62–5

Therapeutic plasmapheresis in patients with renal disease. Morse EE, et al. **Ann Clin Lab Sci** 1981 Jul–Aug; 11(4):361–6

Plasmapheresis in amyotrophic lateral sclerosis [letter] Olarte MR, et al. **Ann Neurol** 1980 Dec;8(6):644–5

Control of life-threatening bleeding by combined plasmapheresis and immunosuppressive treatment in a haemophiliac with inhibitors. Révész T, et al. **Arch Dis Child** 1980 Aug;55(8):641–3

Fulminant lupus pneumonitis with acute renal failure and RBC aplasia. Successful management with plasmapheresis and immunosuppression. Isbister JP, et al. **Arch Intern Med** 1981 Jul;141(8):1081–3

Recovery from rapidly progressive glomerulonephritis. Improvement after plasmapheresis and immunosuppression. Warren SE, et al. **Arch Intern Med** 1981 Feb;141(2):175–80

Patients with polymyositis and dermatomyositis who undergo plasmapheresis therapy. Pathologic findings. Bennington JL, et al. **Arch Neurol** 1981 Sep;38(9):553–60

Plasmapheresis in idiopathic inflammatory myopathy. Experience with 35 patients. Dau PC. **Arch Neurol** 1981 Sep;38(9):544–52

Plasmapheresis in refractory generalized myasthenia gravis. Kornfeld P, et al. **Arch Neurol** 1981 Aug;38(8):478–81

Short and longterm experience with plasmapheresis in connective tissue diseases. Dequeker J, et al. **Biomedicine** 1980 Dec;32(4):189–94

Therapeutic trial of plasmapheresis in Refsum disease and in Fabry disease. Moser HW, et al. **Birth Defects** 1980; 16(1):491–7

Recent advances in immunological therapy: plasma-exchange and immunosuppression. Pinching AJ. **Br J Anaesth** 1979 Jan;51(1):21–8 (27 ref.)

Intensive plasma exchange in the management of severe Rh disease. Angela E, et al. **Br J Haematol** 1980 Aug; 45(4):621–31

Successful plasmapheresis in the Miller-Fisher syndrome [letter] **Br Med J [Clin Res]** 1981 Apr 25;282(6273):1394

Plasmapheresis in the haemolytic-uraemic syndrome in children. Beattie TJ, et al. **Br Med J [Clin Res]** 1981 May 23;282(6277):1667–8

Successful plasmapheresis in the Miller-Fisher syndrome. Littlewood R, et al. **Br Med J [Clin Res]** 1981 Mar 7; 282(6266):778

Successful plasmapheresis in the Miller-Fisher syndrome [letter] Maisey DN, et al. **Br Med J [Clin Res]** 1981 Apr 4;282(6270):1159

Plasmapheresis in active systemic lupus erythematosus: effects on clinical, serum, and cellular abnormalities. Case report. Abdou NI, et al. **Clin Immunol Immunopathol** 1981 Apr;19(1):44–54

Successful treatment by plasmapheresis of respiratory insufficiency in myasthenia gravis. Gerlag PG, et al. **Clin Neurol Neurosurg** 1980;82(4):237–43

Therapeutic plasmapheresis and cytapheresis. A review. Blumberg N, et al. **Conn Med** 1981 Feb;45(2):85–90

Plasmapheresis as immunotherapeutic modality in the treatment of the canine venereal tumor. Zander AR, et al. **Exp Hematol** 1980 Oct;8(9):1123–8

Plasma lipid and apoprotein levels following plasmapheresis in a subject homozygous for familial hypercholesterolemia. Barr SI, et al. **Experientia** 1981 Feb 15;37(2):114–5

Plasmapheresis in patients with leukaemia, multiple myeloma and immune complex diseases. Mód A, et al. **Haematologia (Budap)** 1981;14(1):49–56

Plasmapheresis: current research and success. Jones JV. **Heart Lung** 1980 Jul–Aug;9(4):671–4

The role of therapeutic plasmapheresis in the rheumatic diseases. Jones JV, et al. **J Lab Clin Med** 1981 May; 97(5):589–98 (21 ref.)

Improvement in nerve condition after plasma exchange for Guillain-Barré syndrome [letter] Rail D, et al. **J Neurol Neurosurg Psychiatry** 1980 Dec;43(12):1147

Plasmapheresis in childhood dermatomyositis. Dau PC, et al. **J Pediatr** 1981 Feb;98(2):237–40

Plasmapheresis: a pediatric perspective [editorial] Singsen BH. **J Pediatr** 1981 Feb;98(2):232–5

From the NCHTC: Evaluation of therapeutic apheresis for rheumatoid arthritis. **JAMA** 1981 Sep 4;246(10):1053

Plasmapheresis in treatment of rheumatic fever. Shiokawa Y, et al. **Jpn Circ J** 1980 Oct;44(10):797–800

Plasmapheresis therapy in myasthenia gravis. Dau PC. **Muscle Nerve** 1980 Nov–Dec;3(6):468–82

Plasmapheresis in neurologic disorders [letter] Dau PC. **Muscle Nerve** 1980 Nov–Dec;3(6):529

Antepartum Rh immunoprophylaxis [letter] **N Engl J Med** 1981 Feb 12;304(7):425–6

Plasma antithrombin III and plasminogen levels in chronic plasmapheresis [letter] Jaffe P, et al. **N Engl J Med** 1981 Mar 26;304(13):789

Guillain-Barré syndrome: is there a role for plasmapheresis? Asbury A, et al. **Neurology (NY)** 1980 Oct;30(10):1112

Plasmapheresis in multiple sclerosis: preliminary findings. Dau PC, et al. **Neurology (NY)** 1980 Oct;30(10):1023–8

Neuroelectric blocking activity and plasmapheresis in amyotrophic lateral sclerosis. Schauf CL, et al. **Neurology (NY)** 1980 Sep;30(9):1011–3

Plasmapheresis in multiple sclerosis: preliminary study. Weiner HL, et al. **Neurology (NY)** 1980 Oct;30(10):1029–33

Plasmapheresis as an adjunct to management of Rh isoimmunization. Hauth JC, et al. **Obstet Gynecol** 1981 Jan; 57(1):132–5

Treatment of acute severe Guillain-Barre syndrome by plasmapheresis. Corachan M, et al. **Papua New Guinea Med J** 1980 Sep;23(3):146–7

Plasmapheresis in the treatment of renal allograft rejection. Adams MB, et al. **Proc Clin Dial Transplant Forum** 1979; 9:252–5

Effect of plasmapheresis (PP), corticosteroids and cyclophosphamide in essential mixed polyclonal cryoglobulinaemia associated with glomerulonephritis. Houwert DA, et al. **Proc Eur Dial Transplant Assoc** 1980; 17:650–4

Steroid pulses and plasmapheresis in the treatment of acute renal failure in multiple myeloma. Locatelli F, et al. **Proc Eur Dial Transplant Assoc** 1980;17:690–4

Therapeutic intensive plasmapheresis. Wenz B, et al. **Semin Hematol** 1981 Apr;18(2):147–62 (118 ref.)

Idiopathic pulmonary haemosiderosis treated by plasmapheresis. Pozo-Rodriguez F, et al. **Thorax** 1980 May; 35(5):399–400

Plasmapheresis in the treatment of refractory renal allograft rejection. Adams MB, et al. **Transplant Proc** 1981 Mar;13(1 Pt 1):491–4

Renal transplantation after thoracic duct drainage. Fish JC, et al. **Transplant Proc** 1981 Mar;13(1 Pt 1):533–6

Determinants of effectiveness of thoracic duct drainage for primary cadaver kidney transplantation. Klintmalm G, et al. **Transplant Proc** 1981 Mar;13(1 Pt 1):537–8

Renal transplant in a patient with major donor-recipient

blood group incompatibility: reversal of acute rejection by the use of modified plasmapheresis. Slapak M, et al. **Transplantation** 1981 Jan;31(1):4–7

[Initial plasmapheresis treatment results in glomerulonephritis] Nenov D, et al. **Vutr Boles** 1981; 20(2):105–8 (Eng. Abstr.) **(Bul)**

[Clinical use of blood component separators. (Review article)] Bláha M. **Vnitr Lek** 1981 Feb;27(2):180–7 (28 ref.) (Eng. Abstr.) **(Cze)**

[Treatment of metastasizing renal adenocarcinoma with specific plasma transfusion. A controlled trial of the effects on metastases and survival time] Pedersen F, et al. **Ugeskr Laeger** 1980 Nov 24;142(48):3167–70 (Eng. Abstr.) **(Dan)**

[Plasma extraction: a new therapeutic approach in various immunologic diseases] Kennes B, et al. **Acta Clin Belg** 1980; 35(1):33–44 (Eng. Abstr.) **(Fre)**

[Treatment of a case of porphyria cutanea tarda by plasmapheresis] Dupré A, et al. **Ann Dermatol Venereol** 1980 Jul;107(7):693–5 **(Fre)**

[Plasmapheresis in the management of peripheral neuropathy in dysglobulinemia and collagen disease] Dechy H, et al. **Rev Med Interne** 1980;1(2):219–21 **(Fre)**

[Rheumatoid polyarthritis and papular mucinosis with monoclonal paraprotein. Management with plasmapheresis] Bard H, et al. **Rev Rhum Mal Osteoartic** 1981 Apr; 48(4):359–65 **(Fre)**

[Plasmapheresis therapy in severe lupus erythematosus D.N.A. serum antodies and erythrocyte sedimentation rate for therapy control (author's transl)] Meffert H, et al. **Dermatol Monatsschr** 1980 May;166(5):331–5 (Eng. Abstr.) **(Ger)**

[Plasmapheresis: an effective procedure for paraproteinemia coma (letter)] Blank HJ, et al. **Dtsch Med Wochenschr** 1980 Oct 3;105(40):1396 **(Ger)**

[Puncture of the internal jugular vein as an access for extracorporeal circulation in hemodialysis, hemoperfusion and plasma separation] Passlick J, et al. **Med Welt** 1981 Jul 17;32(29):1143–5 **(Ger)**

[Plasmapheresis. A review (author's transl)] Krebs HJ. **MMW** 1980 Dec 5;122(49):1755–7 (Eng. Abstr.) **(Ger)**

[The therapeutic significance of plasmapheresis in immunologic diseases] Wegmüller E. **Schweiz Med Wochenschr** 1981 Mar 28;111(13):443–9 (Eng. Abstr.) **(Ger)**

[Trials with therapeutic plasmapheresis in pemphigus vulgaris] Neppert J, et al. **Z Hautkr** 1980 Jun 15; 55(12):783–9 (Eng. Abstr.) **(Ger)**

[Immunohematology: plasmapheresis. Therapeutic possibilities] Pekker S. **ZFA (Stuttgart)** 1981 Jan 31; 57(3):187–9 **(Ger)**

[Combined plasmapheresis and immunosuppression in hemophilia in a patient with antibodies] Révész T, et al. **Orv Hetil** 1980 Jul 20;121(29):1753–4 **(Hun)**

[Clinical use of plasmapheresis] Del Favero A, et al. **Clin Ter** 1981 Jan 15;96(1):93–9 (38 ref.) (Eng. Abstr.) **(Ita)**

[Plasmapheresis in the treatment of immunological nephropathies] Frasca' G, et al. **G Clin Med** 1981 Apr; 62(4):260–9 (Eng. Abstr.) **(Ita)**

[Effects of plasmapheresis in the acute phase of immunocomplex nephropathy] Vangelista A, et al. **Minerva Nefrol** 1980 Oct–Dec;27(4):567–70 (Eng. Abstr.) **(Ita)**

[Plasmapheresis in the treatment of bullous skin diseases] Neumann E, et al. **Przegl Dermatol** 1980 Jul–Aug; 67(4):487–92 (Eng. Abstr.) **(Pol)**

[Extracorporeal immunotherapy in rheumatoid polyarthritis] Bolosiu HD, et al. **Rev Med Interna [Med Interna]** 1980 Sep–Oct;32(5):393–400 (25 ref.) (Eng. Abstr.) **(Rum)**

[Direct exchange blood transfusions and therapeutic plasmapheresis in the overall treatment of severely burned patients] Perveev VI. **Vestn Khir** 1981 Feb;126(2):124–8 (Eng. Abstr.) **(Rus)**

[Rapidly progressive glomerular disease treated with plasmapheresis (author's transl)] Praga M, et al. **Med Clin (Barc)** 1981 Jun 10;77(1):33–6 (Eng. Abstr.) **(Spa)**

[Plasmapheresis and its use in nephrology] Vilches AR. **Medicina (B Aires)** 1980 Mar–Apr;40(2):196–202 (72 ref.) **(Spa)**

ADVERSE EFFECTS

Plasmapheresis in systemic lupus erythematosus: a cautionary note. Schlansky R, et al. **Arthritis Rheum** 1981 Jan; 24(1):49–53

Plasmapheresis for rapidly progressive glomerulonephritis: the mystique of dramatic intervention [editorial] Friedman EA. **JAMA** 1980 Nov 28;244(21):2446

Infectious complications with plasmapheresis in rapidly progressive glomerulonephritis. Wing EJ, et al. **JAMA** 1980 Nov 28;244(21):2423–6

Which are the principal established or potential risks for donors undergoing cytapheresis procedures and how can they be prevented? **Vox Sang** 1980 Sep;39(3):169–79

[State of the cardiovascular system in donors undergoing multiple, frequently repeated plasmapheresis] Gutnik RB, et al. **Probl Gematol Pereliv Krovi** 1981 Jan;26(1):27–9 **(Rus)**

INSTRUMENTATION

Simplified aseptic separation of cells and plasma [letter] Wease DF. **Clin Chem** 1979 Mar;25(3):490–1

Factor VIII collection by pheresis. McLeod BC, et al. **Lancet** 1980 Sep 27;2(8196):671–3

A new technique for the collection of plasma: machine plasmapheresis. Rock G, et al. **Transfusion** 1981 May–Jun; 21(3):241–6

METHODS

Plasmapheresis via central catheter in dermatomyositis: a new method for selected pediatric patients. Anderson L, et al. **J Pediatr** 1981 Feb;98(2):240–1

Successful plasmapheresis in a 4-year-old child with homozygous familial hypercholesterolemia. Witztum JL, et al. **J Pediatr** 1980 Oct;97(4):615–8

Control of antibody-mediated pure red-cell aplasia by plasmapheresis. Messner HA, et al. **N Engl J Med** 1981 May 28;304(22):1334–8

Therapeutic plasmapheresis by continuous flow cnetrifugation. Blacklock HA, et al. **NZ Med J** 1980 Aug 27;92(666):145–8

Two years experience with the subclavian cannula for temporary vascular access for hemodialysis and plasmapheresis. Uldall PR, et al. **Proc Clin Dial Transplant Forum** 1979;9:32–6

The role of continuous-flow blood fraction separators in clinical practice. Wood L, et al. **S Afr Med J** 1981 Jan 24;59(4):99–104

Double filtration plasmapheresis. Agishi T, et al. **Trans Am Soc Artif Intern Organs** 1980;26:406–11

Clinical hepatic support by on-line plasma treatment with multiple sorbents – evaluation of system performance. Asanuma Y, et al. **Trans Am Soc Artif Intern Organs** 1980; 26:400–5

Complement removal by sorbents in membrane plasmapheresis with on-line plasma treatment. Malchesky PS, et al. **Trans Am Soc Artif Intern Organs** 1980;26:541–5

Membrane plasma separation for treatment of immunologically mediated diseases. Samtleben W, et al. **Trans Am Soc Artif Intern Organs** 1980;26:12–6

[Blood detoxication procedures in extra-renal diseases] Korten G, et al. **Z Gesamte Inn Med** 1980 Aug 15; 35(16):suppl 52–5 (Eng. Abstr.) **(Ger)**

NURSING

Plasmapheresis as a treatment for myasthenia gravis. Anchie T. **J Neurosurg Nurs** 1981 Feb;13(1):23–7

PLASMIDS

Effect of chlorpromazine on conjugal plasmid transfer and sex pili. Mándi Y, et al. **Acta Microbiol Acad Sci Hung** 1981;28(2):205–10

Klebsiella and Enterobacter strains derived from hospital infections. II. Occurrence and characterization of R-, Lac- and Col- plasmids and their clinical-epidemiological significance. Milch H, et al. **Acta Microbiol Acad Sci Hung** 1981;28(2):171–96

Plasmid-mediated isolation of a repressor protein. Koduri RK, et al. **Anal Biochem** 1980 Jul 1;105(2):449–53

Rapid and simple removal of contaminating RNA from plasmid DNA without the use of RNase. Norgard MV. **Anal Biochem** 1981 May 1;113(1):34–42

Inc groups among plasmids harbored by Escherichia coli of avian origin. Chaslus-Dancla E, et al. **Ann Microbiol (Paris)** 1980 Sep–Oct;131B(2):203–6

Physiological properties and plasmid content of several strains of Azospirillum brasilense and A. lipoferum. Franche C, et al. **Ann Microbiol (Paris)** 1981 Jan–Feb; 132A(1):3–18

A perspective on the application of genetic engineering: stability of recombinant plasmid. Imanaka T, et al. **Ann NY Acad Sci** 1981;369:1–14

The conjugation system of F-like plasmids. Willetts N, et al. **Annu Rev Genet** 1980;14:41–76 (232 ref.)

Plasmid-mediated factors associated with virulence of bacteria to animals. Elwell LP, et al. **Annu Rev Microbiol** 1980;34:465–96 (166 ref.)

Genetic study of plasmid-associated zonal resistance to lincomycin in Streptococcus pyogenes. Malke H, et al. **Antimicrob Agents Chemother** 1981 Jan;19(1):91–100

Plasmid-determined resistance to fosfomycin in Serratia marcescens. Mendoza C, et al. **Antimicrob Agents Chemother** 1980 Aug;18(2):215–9

Relationship between R and FP plasmids in Pseudomonas aeruginosa. Royle PL, et al. **Antimicrob Agents Chemother** 1980 Mar;17(3):293–7

pJT2: unusual H1 plasmid in a highly virulent lactose-positive and chloramphenicol-resistant Salmonella typhimurium strain from calves. Timoney JF, et al. **Antimicrob Agents Chemother** 1980 Sep;18(3):480–2

Incidence of lysogeny, colicinogeny, and drug resistance in enterobacteria isolated from sewage and from rectum of humans and some domesticated species. Dhillon TS, et al. **Appl Environ Microbiol** 1981 Apr;41(4):894–902

Loss of plasmids during enrichment for Escherichia coli. Hill WE, et al. **Appl Environ Microbiol** 1981 Apr;41(4):1046–8

Distribution of citrate utilization plasmids in Salmonella strains of bovine origin in Japan. Ishiguro N, et al. **Appl Environ Microbiol** 1980 Sep;40(3):446–51

Plasmid-controlled mercury biotransformation by Clostridium cochlearium T-2. Pan-Hou HS, et al. **Appl Environ Microbiol** 1980 Dec;40(6):1007–11

Detection of R plasmids with a restrictive effect on phage-bacteria Shigella flexneri and Shigella sonnei systems. Rusu V, et al. **Arch Roum Pathol Exp Microbiol** 1980 Apr–Jun; 39(2):113–20

Endonuclease fingerprinting of plasmids mediating gentamicin resistance in an outbreak of hospital infections. Davey RB, et al. **Aust J Exp Biol Med Sci** 1980 Aug; 58(4):331–8

Transformation of Saccharomyces cerevisiae with yeast mitochondrial DNA linked to two micron circular yeast plasmid. Atchison BA, et al. **Biochem Biophys Res Commun** 1980 Sep 30;96(2):580–6

Isolation of recombinant plasmids containing structural gene sequences for rat seminal vesicle secretory proteins IV and V. Kistler MK, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1161–6

Degradative plasmid TOL provided singlet oxygen resistance for Pseudomonas strains. Yano K, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1245–50

RNA polymerase-binding sites on the bacterial plasmid pMB9. Skern TR, et al. **Biochem Soc Trans** 1980 Dec; 8(6):738–9

Effects of rifampicin on the relationship of R6K replicating forms to the folded chromosomal complex of Escherichia coli. Archibold ER, et al. **Biochim Biophys Acta** 1981 Apr 27;653(2):294–8

Hybrid plasmids carrying part of the Rous sarcoma virus-specific leader sequence. Bromley PA, et al. **Biochim Biophys Acta** 1981 Aug 27;655(1):41–8

Overproduction of the EcoRII endonuclease and methylase by Escherichia coli strains carrying recombinant plasmids constructed in vitro. Kosykh VG, et al. **Biochim Biophys Acta** 1981 Aug 27;655(1):102–6

Electric birefringence of restriction enzyme fragments of DNA: optical factor and electric polarizability as a function of molecular weight. Stellwagen NC. **Biopolymers** 1981 Mar;20(3):399–434

The synthesis of insulin in bacteria: a model for the production of medically useful proteins in prokaryotic cells. Villa-Komaroff L, et al. **Birth Defects** 1980;16(1):53–68

Ethidium bromide – col E1 plasmid ccDNA complex : some structural considerations. Marchetti M, et al. **Boll Soc Ital Biol Sper** 1981 Jan 15;57(1):1–7

Mobilization of chromosomal determinants for the polar pili of Pseudomonas aeruginosa PAO by FP plasmids. Bradley DE. **Can J Microbiol** 1980 Feb;26(2):155–60

Plasmid-borne resistance to ultraviolet light and phage in Streptococcus faecalis ssp. zymogens. Frazier ML, et al. **Can J Microbiol** 1980 Oct;26(10):1253–5

Plasmid composition of Staphylococcus species. Kloos WE, et al. **Can J Microbiol** 1981 Mar;27(3):271–8

The genetic and physical basis of variability in Escherichia coli strains carrying a reference Inc N group plasmid. Konarska-Kozlowska M, et al. **Can J Microbiol** 1981 Jun; 27(6):616–26

Plasmid detection in a bacteriocinogenic strain of Clostridium perfringens. Li AW, et al. **Can J Microbiol** 1980 Aug; 26(8):1018–22

Genetic analysis of the actinomycin-producing determinants (plasmid) in Streptomyces parvulus using the protoplast fusion technique. Ochi K, et al. **Can J Microbiol** 1980 Dec; 26(12):1460–4

Replication and recombination functions associated with the yeast plasmid, 2 mu circle. Broach JR, et al. **Cell** 1980 Sep;21(2):501–8

Characterization of a novel plasmid DNA found in mitochondria of N. crassa. Collins RA, et al. **Cell** 1981 May;24(2):443–52

Termination of DNA replication in vitro at a sequence-specific replication terminus. Germino J, et al. **Cell** 1981 Mar;23(3):681–7

Characteristics of an SV40-plasmid recombinant and its movement into and out of the genome of a murine cell. Hanahan D, et al. **Cell** 1980 Aug;21(1):127–39

Incompatibility properties of Col E1 and pMB1 derivative plasmids: random replication of multicopy replicons. Hashimoto-Gotoh T, et al. **Cell** 1981 Jan;23(1):229–38

A single base-pair alteration is responsible for the DNA overproduction phenotype of a plasmid copy-number mutant. Muesing M, et al. **Cell** 1981 Apr;24(1):235–42

Structure of chi hotspots of generalized recombination. Smith GR, et al. **Cell** 1981 May;24(2):429–36

Plasmids controlled exclusion of the K2 killer double-stranded RNA plasmid of yeast. Wickner RB. **Cell** 1980 Aug;21(1):217–26

Retention of tumor markers in F1 progeny plants from in vitro induced octopine and nopaline tumor tissues. Wullems GJ, et al. **Cell** 1981 Jun;24(3):719–27

Lactose carrier protein of Escherichia coli. Structure and expression of plasmids carrying the Y gene of the lac operon. Teather RM, et al. **Eur J Biochem** 1980; 108(1):223–31

Expression of E. coli genes carried by hybrids of plasmid RP4. Alikhanian SI, et al. **Gene** 1980 Oct;11(1–2):177–9

Molecular cloning of the replication terminus of the plasmid R6K. Bastia D, et al. **Gene** 1981 Jun–Jul;14(1–2):81–9

Site-specific deletions in the recombinant plasmid pSC101 containing the redB-ori region of phage lambda. Bernardi

A, et al. **Gene** 1981 Jan-Feb;13(1):103-9
Transcriptional and translational expression of a chimeric bacterial-yeast plasmid in yeasts. Chevallier MR, et al. **Gene** 1980 Oct;11(1-2):11-9
Tumor formation and rhizogenicity of Agrobacterium rhizogenes carrying Ti plasmids. Costantino P, et al. **Gene** 1980 Oct;11(1-2):79-87
Construction and characterization of new cloning vehicles. V. Mobilization and coding properties of pBR322 and several deletion derivatives including pBR327 and pBR328. Covarrubias L, et al. **Gene** 1981 Jan-Feb;13(1):25-35
DNA modification induced during infection of Bacillus subtilis by phage phi 3T. Cregg JM, et al. **Gene** 1980 Dec; 12(1-2):17-24
IS-like element IS8 in RP4 plasmid and its involvement in cointegration. Depicker A, et al. **Gene** 1980 Sep; 10(4):329-38
Identification of palindromic sequences recognized by restriction endonucleases, as based on the tabularized sequencing data for seven viral and plasmid DNAs. Fuchs C, et al. **Gene** 1980 Sep;10(4):357-70
A site-specific recE4-independent intramolecular recombination between Bacillus subtilis and Staphylococcus aureus DNAs in hybrid plasmids. Fujii M, et al. **Gene** 1980 Dec;12(1-2):95-102
Plasmid screening at high colony density. Hanahan D, et al. **Gene** 1980 Jun;10(1):63-7
A cloning vehicle suitable for strand separation. Hayashi K. **Gene** 1980 Oct;11(1-2):109-15
Plasmid vectors for positive selection of DNA inserts controlled by the lambda pL promoter, repressor and antitermination function. Honigman A, et al. **Gene** 1981 Apr;13(3):289-98
DNA cloning in Bacillus subtilis. III. Efficiency of random-segment cloning and insertional inactivation vectors. Michel B, et al. **Gene** 1980 Dec;12(1-2):147-54
Construction of an SV40-derived cloning vector. Muzyczka N. **Gene** 1980 Oct;11(1-2):63-77
Relief of polarity caused by transposon Tn5: application in mapping a cloned region of the Escherichia coli uvrB locus essential for UV resistance. Pannekoek H, et al. **Gene** 1980 Dec;12(1-2):51-61
Phage-lambda-mediated transduction of non-conjugative plasmids is promoted by transposons. Piffaretti JC, et al. **Gene** 1981 Apr;13(3):319-25
A plasmid cloning vehicle allowing a positive selection for inserted fragments. Roberts TM, et al. **Gene** 1980 Dec; 12(1-2):123-7
Functional analysis of hybrid plasmids carrying genes for lambda site-specific recombination. Strizhov N, et al. **Gene** 1980 Dec;12(3-4):201-14
Construction of plasmid vectors with unique PstI cloning sites in a signal sequence coding region. Talmadge K, et al. **Gene** 1980 Dec;12(3-4):235-41
Cloning of both ends and the thermo-inducible genes A and B of bacteriophage Mu on a multicopy plasmid. van Leerdam E, et al. **Gene** 1981 Jan-Feb;13(1):111-4
Restriction endonuclease mapping of ColE2-P9 and ColE3-CA38 plasmids. Watson R, et al. **Gene** 1980 Sep; 10(4):307-18
Isolation of plasmids carrying either the uvrC or uvrC uvrA and ssb genes of Escherichia coli K-12. Yoakum GH, et al. **Gene** 1980 Dec;12(3-4):243-8
The kinetics of transfer of nonconjugative plasmids by mobilizing conjugative factors. Levin BR, et al. **Genet Res** 1980 Jun;35(3):241-59
New prime plasmids from Pseudomonas aeruginosa. Royle PL, et al. **Genet Res** 1981 Jun;37(3):265-74
Thymineless elimination of N group plasmids is Res-(RII)-dependent and determined by a different gene than the Uvp plasmid phenotype. Tribe MJ, et al. **Genet Res** 1980 Dec;36(3):249-263
Mobilization of the non-conjugative IncQ plasmid RSF1010. Willetts N, et al. **Genet Res** 1981 Jun;37(3):311-6
Recombinant DNA and medical progress. Baxter JD. **Hosp Pract** 1980 Feb;15(2):57-67
R plasmids of Staphylococcus & their elimination by different agents. Das Gupta T, et al. **Indian J Exp Biol** 1980 May; 18(5):478-81
Outer membrane proteins induced under conditions of iron limitation in the marine fish pathogen Vibrio anguillarum 775. Crosa JH, et al. **Infect Immun** 1981 Jan;31(1):223-7
Plasmids in Yersinia pestis. Ferber DM, et al. **Infect Immun** 1981 Feb;31(2):839-41
Characterization of the Streptococcus mutans plasmid pva318 cloned into Escherichia coli. Hansen JB, et al. **Infect Immun** 1981 Mar;31(3):1034-43
A plasmid in Legionella pneumophila. Knudson GB, et al. **Infect Immun** 1980 Sep;29(3):1092-5
Plasmids coding for colonization factor antigen I and heat-stable enterotoxin production isolated from enterotoxigenic Escherichia coli: comparison of their properties. McConnell MM, et al. **Infect Immun** 1981 May; 32(2):927-36
Isolation of plasmids in Legionella pneumophila and Legionella-like organisms. Mikesell P, et al. **Infect Immun** 1981 Mar;31(3):1270-2
Characterization of plasmids and plasmid-associated determinants of Yersinia enterocolitica pathogenesis. Portnoy DA, et al. **Infect Immun** 1981 Feb;31(2):775-82
Linkage of heat-stable enterotoxin activity and ampicillin resistance in a plasmid isolated from an Escherichia coli strain of human origin. Stieglitz H, et al. **Infect Immun** 1980 Nov;30(2):617-20
Comparison of plasmid deoxyribonucleic acid contents, culture characteristics, and indices of pathogenicity among selected strains of Vibrio parahaemolyticus. Twedt RM, et al. **Infect Immun** 1981 Jul;33(1):322-5
Restriction endonuclease map of phage group 2 Staphylococcus aureus exfoliative toxin plasmid. Warren RL. **Infect Immun** 1981 Jul;33(1):7-10
Exfoliative toxin plasmids of bacteriophage group 2 Staphylococcus aureus: sequence homology. Warren RL. **Infect Immun** 1980 Nov;30(2):601-6
ColV plasmid-mediated, colicin V-independent iron uptake system of invasive strains of Escherichia coli. Williams PH, et al. **Infect Immun** 1980 Aug;29(2):411-6
Possible plasmid control of sporulation, soluble pigment production and tetracycline resistance in a wild Streptomyces sp. strain. Brandsch R, et al. **J Antibiot (Tokyo)** 1980 Oct;33(10):1204-5
Studies on new aminoglycoside antibiotics, istamycins, from an actinomycete isolated from a marine environment. II. Possible involvement of plasmid in istamycin production. Hotta K, et al. **J Antibiot (Tokyo)** 1980 Dec;33(12):1510-4
Studies on new aminoglycoside antibiotics, istamycins, from an actinomycete isolated from a marine environment. I. The use of plasmid profiles in screening antibiotic-producing streptomycetes. Hotta K, et al. **J Antibiot (Tokyo)** 1980 Dec;33(12):1502-9
Isolation of an antibiotic multiresistance plasmid from Pseudomonas aeruginosa. Michel-Briand Y, et al. **J Antimicrob Chemother** 1981 Apr;7(4):371-8
Plasmid transformation in Haemophilus influenzae. Albritton WL, et al. **J Bacteriol** 1981 Feb;145(2):1099-101
Transformation of Bacillus thuringiensis subsp. galleria protoplasts by plasmid pBC16. Alikhanian SI, et al. **J Bacteriol** 1981 Apr;146(1):7-9
Molecular cloning of an erythromycin resistance determinant in streptococci. Behnke D, et al. **J Bacteriol** 1980 Nov; 144(2):806-13
Homology between Escherichia coli plasmids ColE1 and p15A. Bird RE. **J Bacteriol** 1981 Mar;145(3):1305-9
High-frequency conjugal transfer of a gonococcal penicillinase plasmid. Biswas GD, et al. **J Bacteriol** 1980 Sep;143(3):1318-24
Isolation of a plasmid responsible for caseinase activity in Clostridium perfringens ATCC 3626B. Blaschek HP, et al. **J Bacteriol** 1981 Jul;147(1):262-6
Plasmid specifying total degradation of 3-chlorobenzoate by a modified ortho pathway. Chatterjee DK, et al. **J Bacteriol** 1981 May;146(2):639-46
Sex pheromone cAD1 in Streptococcus faecalis: induction of a function related to plasmid transfer. Clewell DB, et al. **J Bacteriol** 1980 Aug;143(2):1063-5
Involvement of plasmid deoxyribonucleic acid in indoleacetic acid synthesis in Pseudomonas savastanoi. Comai L, et al. **J Bacteriol** 1980 Aug;143(2):950-7
Transformation of Azotobacter vinelandii with plasmids RP4 (IncP-1 group) and RSF1010 (IncQ group). David M, et al. **J Bacteriol** 1981 Jun;146(3):1154-7
Hemolysis determinant common to Escherichia coli hemolytic plasmids of different incompatibility groups. de la Cruz F, et al. **J Bacteriol** 1980 Aug;143(2):825-33
Properties of six pesticide degradation plasmids isolated from Alcaligenes paradoxus and Alcaligenes eutrophus. Don RH, et al. **J Bacteriol** 1981 Feb;145(2):681-6
Intrastrand base pairing in single-stranded deoxyribonucleic acid from ColE1-derived plasmid pCR1. Edlind TD, et al. **J Bacteriol** 1981 Mar;145(3):1436-41
Mutagenesis by neocarzinostatin in Escherichia coli and Salmonella typhimurium: requirement for umuC+ or plasmid pKM101. Eisenstadt E, et al. **J Bacteriol** 1980 Nov; 144(2):656-60
Naturally occurring genetic transfer of hydrogen-oxidizing ability between strains of Alcaligenes eutrophus. Friedrich B, et al. **J Bacteriol** 1981 Jul;147(1):198-205
Agrobacterium tumefaciens mutants affected in crown gall tumorigenesis and octopine catabolism. Garfinkel DJ, et al. **J Bacteriol** 1980 Nov;144(2):732-43
High-frequency conjugation associated with Streptococcus lactis donor cell aggregation. Gasson MJ, et al. **J Bacteriol** 1980 Sep;143(3):1260-4
Structural instability of IncP-1 plasmids in Pseudomonas aeruginosa PAT involves interaction with plasmid pVS1. Godfrey AJ, et al. **J Bacteriol** 1980 Nov;144(2):622-9
Plasmid transfer and genetic recombination by protoplast fusion in staphylococci. Götz F, et al. **J Bacteriol** 1981 Jan;145(1):74-81
Physical mapping and expression of hybrid plasmids carrying chromosomal beta-lactamase genes of Escherichia coli K-12. Grundström T, et al. **J Bacteriol** 1980 Sep; 143(3):1127-34
Cloning of the URA1 gene of Saccharomyces cerevisiae. Guerry-Kopecko P, et al. **J Bacteriol** 1980 Sep; 143(3):1530-3
Isolation and characterization of temperature-sensitive mak mutants of Saccharomyces cerevisiae. Guerry-Kopecko P, et al. **J Bacteriol** 1980 Dec;144(3):1113-8
Isolation and characterization of linear deoxyribonucleic acid plasmids from Kluyveromyces lactis and the plasmid-associated killer character. Gunge N, et al. **J Bacteriol** 1981 Jan;145(1):382-90
Intergeneric transfer of deoxyribonucleic acid killer plasmids, pGK11 and pGK12, from Kluyveromyces lactis into Saccharomyces cerevisiae by cell fusion. Gunge N, et al. **J Bacteriol** 1981 Jul;147(1):155-60
Interactions between octopine and nopaline plasmids in Agrobacterium tumefaciens. Hooykaas PJ, et al. **J Bacteriol** 1980 Sep;143(3):1295-306
Isolation and characterization of antibiotic resistance plasmids from thermophilic bacilli and construction of deletion plasmids. Imanaka T, et al. **J Bacteriol** 1981 Jun; 146(3):1091-7
Molecular cloning of TOL genes xylB and xylE in Escherichia coli. Inouye S, et al. **J Bacteriol** 1981 Mar; 145(3):1137-43
Functional relationship between parts of the replication region of plasmid ColE1. Inselburg J. **J Bacteriol** 1980 Aug; 143(2):1073-6
Vibrio cholerae conjugative plasmid pSJ15 contains transposable prophage dVcA1. Johnson SR, et al. **J Bacteriol** 1981 May;146(2):632-8
Rapid procedure for detection and isolation of large and small plasmids. Kado CI, et al. **J Bacteriol** 1981 Mar; 145(3):1365-73
Catabolism of pseudocumene and 3-ethyltoluene by Pseudomonas putida (arvilla) mt-2: evidence for new functions of the TOL (pWWO) plasmid. Kunz DA, et al. **J Bacteriol** 1981 Apr;146(1):179-91
Isolation and characterization of spontaneously occurring TOL plasmid mutants of Pseudomonas putida HS1. Kunz DA, et al. **J Bacteriol** 1981 Jun;146(3):952-64
Functional organization of plasmid pKM101. Langer PJ, et al. **J Bacteriol** 1981 Mar;145(3):1310-6
Expression of the Serratia marcescens lipoproteins gene in Escherichia coli. Lee N, et al. **J Bacteriol** 1981 Jun; 146(3):861-6
Chimeric streptococcal plasmids and their use as molecular cloning vehicles in Streptococcus sanguis (Challis). Macrina FL, et al. **J Bacteriol** 1980 Sep;143(3):1425-35
Transformation of Streptococcus sanguis with monomeric pVA736 plasmid deoxyribonucleic acid. Macrina FL, et al. **J Bacteriol** 1981 May;146(2):826-30
Escherichia coli K317, formerly used to define colicin group E2, produces colicin E7, is immune to colicin E2, and carries a bacteriophage-restricting conjugative plasmid. Males BM, et al. **J Bacteriol** 1980 Nov;144(2):524-31
Transductional selection of cloned bacteriophage phi 105 and SP02 deoxyribonucleic acids in Bacillus subtilis. Marrero R, et al. **J Bacteriol** 1980 Aug;143(2):879-86
SP02 particles mediating transduction of a plasmid containing SP02 cohesive ends. Marrero R, et al. **J Bacteriol** 1981 Jul;147(1):1-8
Mobilization of the genes for photosynthesis from Rhodopseudomonas capsulata by a promiscuous plasmid. Marrs B. **J Bacteriol** 1981 Jun;146(3):1003-12
Transformation of Bacillus thuringiensis protoplasts by plasmid deoxyribonucleic acid. Martin PA, et al. **J Bacteriol** 1981 Feb;145(2):980-3
Formation of Escherichia coli Hfr strains by integrative suppression with the P group plasmid RP1. Martin RR, et al. **J Bacteriol** 1981 Feb;145(2):713-21
Catabolite repression of Escherichia coli heat-stable enterotoxin activity. Martinez-Cadena MG, et al. **J Bacteriol** 1981 Feb;145(2):722-8
Role of ribonucleic acid synthesis in conjugational transfer of chromosomal and plasmid deoxyribonucleic acids. Maturin LJ Sr, et al. **J Bacteriol** 1981 May;146(2):552-63
Structure of a naturally occurring plasmid with genes for enterotoxin production and drug resistance. Mazaitis AJ, et al. **J Bacteriol** 1981 Jan;145(1):97-105
Plasmid deoxyribonucleic acid and translucent-to-opaque variation in Mycobacterium intracellulare 103. Mizuguchi Y, et al. **J Bacteriol** 1981 May;146(2):656-9
Runaway replication of plasmid R1 is not caused by loss of replication inhibitor activity of gene cop. Molin S, et al. **J Bacteriol** 1980 Aug;143(2):1046-8
Introduction of bacteriophage Mu into bacteria of various genera and intergeneric gene transfer by RP4::Mu. Murooka Y, et al. **J Bacteriol** 1981 Jan;145(1):358-68
Possible involvement of a plasmid in arginine auxotrophic mutation of Streptomyces kasugaensis. Nakano MM, et al. **J Bacteriol** 1980 Sep;143(3):1501-3
Physical and functional mapping of RP4-TOL plasmid recombinants: analysis of insertion and deletion mutants. Nakazawa T, et al. **J Bacteriol** 1980 Oct;144(1):222-31
Determination of the functions of hemolytic plasmid pHly152 of Escherichia coli. Noegel A, et al. **J Bacteriol** 1981 Jan; 145(1):233-47
Location of two relaxation nick sites in R6K and single sites in pSC101 and RSF1010 close to origins of vegetative replication: implication for conjugal transfer of plasmid deoxyribonucleic acid. Nordheim A, et al. **J Bacteriol** 1980 Dec;144(3):923-32
Protein synthesis results in guanosine-5'-diphosphate-3'-diphosphate synthesis in Escherichia coli minicells. Nöthling R, et al. **J Bacteriol** 1980 Aug;143(2):1060-2
Insertion element IS102 resides in plasmid pSC101. Ohtsubo H, et al. **J Bacteriol** 1980 Oct;144(1):131-40
Characterization of Tn904 insertions in octopine Ti plasmid mutants of Agrobacterium tumefaciens. Ooms G, et al. **J Bacteriol** 1980 Oct;144(1):82-91
Characterization of plasmids in halobacteria. Pfeifer F, et al. **J Bacteriol** 1981 Jan;145(1):369-74

Genetic variability in Halobacterium halobium. Pfeifer F, et al. **J Bacteriol** 1981 Jan;145(1):375–81
Plasmid transfer within and between serologically distinct strains of Rhizobium japonicum, using antibiotic resistance mutants and auxotrophs. Pilacinski WP, et al. **J Bacteriol** 1981 Feb;145(2):1025–30
Construction and characterization of hybrid plasmids containing the Escherichia coli nrd region. Platz A, et al. **J Bacteriol** 1980 Aug;143(2):561–8
Large plasmids of fast-growing rhizobia: homology studies and location of structural nitrogen fixation (nif) genes. Prakash RK, et al. **J Bacteriol** 1981 Mar;145(3):1129–36
Covalently closed circular deoxyribonucleic acids in spiroplasmas. Ranhand JM, et al. **J Bacteriol** 1980 Sep; 143(3):1194–9
Instability in tyrR strains of plasmids carrying the tyrosine operon: isolation and characterization of plasmid derivatives with insertions or deletions. Rood JI, et al. **J Bacteriol** 1980 Nov;144(2):522–9
Pathway of plasmid transformation in Pneumococcus: open circular and linear molecules are active. Saunders CW, et al. **J Bacteriol** 1981 May;146(2):517–26
Identification and cloning of the genetic determinant that encodes for the K88ac adherence antigen. Shipley PL, et al. **J Bacteriol** 1981 Feb;145(2):920–5
Inducible plasmid-determined resistance to arsenate, arsenite, and antimony (III) in escherichia coli and Staphylococcus aureus. Silver S, et al. **J Bacteriol** 1981 Jun;146(3):983–96
Relationship between the limited and wide host range octopine-type Ti plasmids of Agrobacterium tumefaciens. Thomashow MF, et al. **J Bacteriol** 1981 May;146(2):484–93
Curing of the 2 mu DNA plasmid from Saccharomyces cerevisiae. Toh-e A, et al. **J Bacteriol** 1981 Mar; 145(3):1421–4
Transcription of bacteriocinogenic plasmid ClоDF13 in vivo and in vitro: structure of the cloacin immunity operon. van den Elzen PJ, et al. **J Bacteriol** 1980 Nov;144(2):579–91
Recombinant plasmid associated cell aggregation and high-frequency conjugation of Streptococcus lactis ML3. Walsh PM, et al. **J Bacteriol** 1981 Jun;146(3):937–44
Identification and characterization of Col plasmids from classical colicin E-producing strains. Watson R, et al. **J Bacteriol** 1981 Aug;147(2):569–77
Transformation of Escherichia coli with plasmid deoxyribonucleic acid: calcium-induced binding of deoxyribonucleic acid to whole cells and to isolated membrane fractions. Weston A, et al. **J Bacteriol** 1981 Feb; 145(2):780–7
Relationship of plasmids responsible for hairy root and crown gall tumorigenicity. White FF, et al. **J Bacteriol** 1980 Nov; 144(2):710–20
Role of nucleases in the isolation of plasmid deoxyribonucleic acid from Pseudomonas cepacia 4G9. Williams JA, et al. **J Bacteriol** 1980 Aug;143(2):1057–9
Versatile cloning vector for Pseudomonas aeruginosa. Wood DO, et al. **J Bacteriol** 1981 Mar;145(3):1448–51
Plasmid deoxyribonucleic acid replication in Streptomyces griseus. Xue Y, et al. **J Bacteriol** 1981 Apr;146(1):412–14
The region controlling the thermosensitive effect of plasmid Rts1 on host growth is separate from the Rts1 replication region. Yamamoto T, et al. **J Bacteriol** 1981 Apr; 146(1):85–92
pKJ1, a naturally occurring conjugative plasmid coding for toluene degradation and resistance to streptomycin and sulfonamides. Yano K, et al. **J Bacteriol** 1980 Aug; 143(2):552–60
Small-scale techniques for the analysis of recombinant plasmids. Hepburn AG, et al. **J Biochem Biophys Methods** 1979 Oct;1(5):299–308
Biosynthesis of a plasmid-encoded outer membrane surface exclusion protein involves processing from a precursor polypeptide. Ferrazza D, et al. **J Biol Chem** 1980 Oct 10; 255(19):8955–8
Activity in vitro of three replication origins of the antibiotic resistance plasmid RSF1040. Inuzuka N, et al. **J Biol Chem** 1980 Dec 10;255(23):11071–4
Mouse actin messenger RNAs. Construction and characterization of a recombinant plasmid molecule containing a complementary DNA transcript of mouse alpha-actin mRNA. Minty AJ, et al. **J Biol Chem** 1981 Jan 25;256(2):1008–14
Transferable urease activity in Providencia stuartii. Grant RB, et al. **J Clin Microbiol** 1981 Mar;13(3):561–5
Spontaneous loss and transfer of plasmid-mediated K21 antigen synthesis in Klebsiella pneumoniae. Barr JG. **J Clin Pathol** 1981 Apr;34(4):434–8
Plasmid-specified sucrose fermentation in Salmonella arizonae. Bartlett KH, et al. **J Gen Microbiol** 1980 Nov; 121(1):255–7
Constitutive erythromycin resistance plasmid in Staphylococcus aureus. Bastos MC, et al. **J Gen Microbiol** 1980 Dec;121(Pt. 2):513–6
Characterization of Bacillus stearothermophilus plasmid pab124 and construction of deletion variants. Bingham AH, et al. **J Gen Microbiol** 1980 Jul;119(1):109–15
Transfer of plasmids among bacilli. Dancer BN. **J Gen Microbiol** 1980 Nov;121(1):263–6
Naturally occurring plasmids in Acinetobacter calcoaceticus: pAV2, a plasmid which influences the fertility of the sex factor pAV1. Hinchliffe E, et al. **J Gen Microbiol** 1980 Dec;121(Pt. 2):411–8
Restriction mediated by pAV2 affects the transfer of plasmids in Acinetobacter calcoaceticus. Hinchliffe E, et al. **J Gen Microbiol** 1980 Dec;121(Pt. 2):419–23
Phenotypic stability of trp operon recombinant plasmids in Escherichia coli. Imanaka T, et al. **J Gen Microbiol** 1980 May;118(Pt 1):253–61
Two erythromycin-resistance plasmids of diverse origin and their effect on sporulation in Bacillus subtilis. Mahler I, et al. **J Gen Microbiol** 1980 Sep;120(1):259–63
Naturally occurring R.ColBM plasmids belonging to the IncFIII incompatibility group. Säsärman A, et al. **J Gen Microbiol** 1980 Aug;119(Pt 2):475–83
Evidence for more than one mechanism of plasmid-determined tetracycline resistance in Escherichia coli. Shales SW, et al. **J Gen Microbiol** 1980 Nov; 121(1):221–9
The association of the O18, K1 and H7 antigens and the Col V plasmid of a strain of Escherichia coli with its virulence and immunogenicity. Smith HW, et al. **J Gen Microbiol** 1980 Dec;121(Pt. 2):387–400
Effect of tif expression, irradiation of recipient and presence of plasmid pKM101 on recovery of a marker from a donor exposed to ultraviolet light prior to conjugation. von Wright A, et al. **J Gen Microbiol** 1980 Aug;119(Pt 2):327–31
Variant pili produced by mutants of the Flac plasmid. Willetts NS, et al. **J Gen Microbiol** 1980 Apr;117(2):455–64
Plasmid studies of Salmonella typhimurium phage type 179 resistant to ampicillin, tetracycline, sulphonamides and trimethoprim. Anderson DM. **J Hyg (Lond)** 1980 Oct; 85(2):293–300
Characterization of complement resistance in Escherichia coli conferred by the antibiotic resistance plasmid R100. Ogata RT, et al. **J Immunol** 1980 Oct;125(4):1494–8
Loss of plasmid DNA coding for beta-lactamase during experimental infection with Haemophilus influenzae type b. Daum RS, et al. **J Infect Dis** 1981 Apr;143(4):548–55
Enterotoxigenic Escherichia coli carrying plasmids coding for antibiotic resistance and enterotoxin production. Echeverria P, et al. **J Infect Dis** 1980 Aug;142(2):273–8
Characteristics of Serratia marcescens containing a plasmid coding for gentamicin resistance in nosocomial infections. John JF Jr, et al. **J Infect Dis** 1981 Jun;143(6):810–7
Plasmid-associated toxigenicity in Clostridium tetani. Laird WJ, et al. **J Infect Dis** 1980 Oct;142(4):623
The role of plasmids in adherence of invasive Escherichia coli to mammalian cells. Nandadasa HG, et al. **J Infect Dis** 1981 Feb;143(2):286–90
Evolution of a plasmid mediating resistance to multiple antimicrobial agents during a prolonged epidemic of nosocomial infections. Rubens CE, et al. **J Infect Dis** 1981 Feb;143(2):170–81
Organization of chimeras between filamentous bacteriophage f1 and plasmid pSC101. Fischhoff DA, et al. **J Mol Biol** 1980 Dec 15;144(3):247–65
F factor mobilization of non-conjugative chimeric plasmids in Escherichia coli: general mechanisms and a role for site-specific recA-independent recombination at orV1. Kilbane JJ, et al. **J Mol Biol** 1980 Oct 15;143(1):73–93
Internal organization, boundaries and integration of Ti-plasmid DNA in nopaline grown gall tumours. Lemmers M, et al. **J Mol Biol** 1980 Dec 15;144(3):353–76
Construction and characterization of a plasmid containing a nearly full-size DNA copy of satellite tobacco necrosis virus RNA. van Emmelo J, et al. **J Mol Biol** 1980 Nov 5;143(3):259–71
Colicin activity and abortive infection of T5 bacteriophage in Escherichia coli (ColIb). Duckworth DH, et al. **J Virol** 1981 Mar;37(3):916–21
Bacteriophage T4-related macromolecular synthesis under restriction of plasmid Rts1. Raghavan N, et al. **J Virol** 1980 Aug;35(2):551–4
Plasmid-mediated multidrug resistance in Salmonella typhi [letter] Rangnekar VM, et al. **Lancet** 1981 Aug 15; 2(8242):364
Plasmid cloning vectors that can be nicked at a unique site. Bishop JO, et al. **MGG** 1980;179(3):573–80
Mutations that overcome plasmid-mediated relaxation affect (p)ppGpp. Breeden L, et al. **MGG** 1980;179(1):119–24
A cloned suppressor tRNA gene relaxes stringent control. Breeden L, et al. **MGG** 1980;179(1):125–33
Plasmid transformation in Bacillus subtilis: effects of insertion of Bacillus subtilis DNA into plasmid pC194. Canosi U, et al. **MGG** 1981;181(4):434–40
Plasmid control of recombination of E. coli K12. Chernin LS, et al. **MGG** 1980;179(2):399–407
Isolation of an IS1 flanked kanamycin resistance transposon from R1drd19. Clerget M, et al. **MGG** 1980;180(1):123–7
Fate of plasmid DNA in transformation of Bacillus subtilis protoplasts. de Vos WM, et al. **MGG** 1981;182(1):39–43
Plasmid transformation in Bacillus subtilis: fate of plasmid DNA. de Vos WM, et al. **MGG** 1981;181(4):424–33
Integration and excision of a plasmid in Bacillus subtilis. Galizzi A, et al. **MGG** 1981;182(1):99–105
High frequency mobilization of the chromosome of Escherichia coli by a mutant of plasmid RP4 temperature-sensitive for maintenance. Harayama S, et al. **MGG** 1980;180(1):47–56
Construction of pBR322-ara hybrid plasmids by in vivo recombination. Horwitz AH, et al. **MGG** 1980; 179(3):615–25
Maintenance of some ColE1-type plasmids in chemostat culture. Jones IM, et al. **MGG** 1980;180(3):579–84
The influence of colicinogenic plasmids ColIb-P9, ColIa-CA53 and ColV-K30 on the repair, mutagenesis and induction of colicin E1 synthesis. Khmel IA, et al. **MGG** 1981;181(1):101–6
Plasmid-mediated UV-protection in Myxococcus xanthus. McCann K, et al. **MGG** 1981;182(1):137–42
Transposon-like structures in the Bacteroides fragilis MLS plasmid pIP 410. Magot M, et al. **MGG** 1981;181(4):559–61
Role of an autorepression system in the control of lambda dv plasmid copy number and incompatibility. Murotsu T, et al. **MGG** 1980;179(3):509–19
Transcription of colicin E1 plasmid: electron-microscopic mapping of promoters. Naumova GN, et al. **MGG** 1981; 181(3):352–5
An Escherichia coli mutant thermosensitive in the B subunit of DNA gyrase: effect on the structure and replication of the colicin E1 plasmid in vitro. Orr E, et al. **MGG** 1981; 181(1):52–6
Isolation and physical characterization of streptomycete plasmids. Pernodet JL, et al. **MGG** 1981;182(1):53–9
Transformation and transduction of Bacillus subtilis strains with the Bsu R restriction-modification system by means of modified and unmodified DNA of pUB110 plasmid. Prozorov AA, et al. **MGG** 1980;180(1):135–8
Megacinogenic plasmid from Bacillus megaterium 216. Rostås K, et al. **MGG** 1980;180(2):323–9
Properties and transforming activities of two plasmids in Streptococcus pneumoniae. Saunders CW, et al. **MGG** 1980;180(3):573–8
Monomer plasmid DNA transforms Streptococcus pneumoniae. Saunders CW, et al. **MGG** 1981;181(1):57–62
Plasmid vectors derived from phage Mu allow direct selection of transformants containing cloned HindIII and PstI fragments. Schumann W, et al. **MGG** 1980; 179(2):369–72
Localization of the plasmid (pKM101) gene(s) involved in recA+lexA+-dependent mutagenesis. Shanabruch WG, et al. **MGG** 1980;179(2):289–97
Organization of the pE194 genome. Shivakumar AG, et al. **MGG** 1980;179(2):241–52
Direct selection of DNA inserts in plasmid gene of kanamycin-resistance. Slutsky AM, et al. **MGG** 1980; 180(2):487–8
Tn1 generated mutants in the mercuric ion reductase of the Inc P plasmid, R702. Summers AO, et al. **MGG** 1980; 180(1):91–7
Interactions between the F conjugal transfer system and ClоDF13::Tna plasmids. Willetts N. **MGG** 1980; 180(1):213–7
Plasmid DNA of Agrobacterium tumefaciens detected in a presumed habituated tobacco cell line. Yang F, et al. **MGG** 1980;179(1):223–6
A possible role of R plasmids in bacterial permeability for beta-lactam antibiotics. Ikeuchi T, et al. **Microbiol Immunol** 1981;25(4):333–44
Isolation of citrate utilization plasmid from a bovine Salmonella typhimurium strain. Ishiguro N, et al. **Microbiol Immunol** 1980;24(8):757–60
Trimethoprim R plasmids in Escherichia coli isolated from pigs. Terakado N, et al. **Microbiol Immunol** 1980; 24(12):1233–6
Inhibition of bacteriophage replication by extrachromosomal genetic elements. Duckworth DH, et al. **Microbiol Rev** 1981 Mar;45(1):52–71
Specific adsorption of bacteria to clover root hairs, related to the presence of the plasmid pWZ2 in cells of Rhizobium trifolii. Zurkowski W. **Microbios** 1980;27(107):27–32
Distribution among incompatibility groups of plasmids that confer UV mutability and UV resistance. Pinney RJ. **Mutat Res** 1980 Aug;72(1):155–9
Plasmid R1 DNA replication dependent on protein synthesis in cell-free extracts of E. coli. Diaz R, et al. **Nature** 1981 Jan 22;289(5795):326–8
Stanford and UCLA plasmid patent [news] Dickson D. **Nature** 1980 Dec 11;288(5791):527–8
Nucleotide sequence of the yeast plasmid. Hartley JL, et al. **Nature** 1980 Aug 28;286(5776):860–5
Left-handed DNA in restriction fragments and a recombinant plasmid. Klysik J, et al. **Nature** 1981 Apr 23; 290(5808):672–7
In vivo consequences of plasmid topology. Lilley DM. **Nature** 1981 Jul 23;292(5821):380–2
Inhibition of SV40 replication in simian cells by specific pBR322 DNA sequences. Lusky M, et al. **Nature** 1981 Sep 3;293(5827):79–81
Plasmids and bacterial pathogens [news] Saunders JR. **Nature** 1981 Apr 2;290(5805):362
Identification of mutations affecting replication control of plasmid Clo DF13. Stuitje AR, et al. **Nature** 1981 Mar 19;290(5803):264–7
A plasmid DNA primase active in discontinuous bacterial DNA replication. Wilkins BM, et al. **Nature** 1981 Mar 19; 290(5803):217–21
Equilibrium melting of plasmid ColE1 DNA: electron-microscopic visualization. Borovik AS, et al. **Nucleic Acids Res** 1980 Sep 25;8(18):4165–84
Four Drosophila heat shock genes at 67B: characterization of recombinant plasmids. Craig EA, et al. **Nucleic Acids Res** 1980 Oct 10;8(19):4441–57
A mouse immunoglobulin heavy chain deletion mutant: isolation of a cDNA clone and sequence analysis of the mRNA. Dunnick W, et al. **Nucleic Acids Res** 1980 Apr

11;8(7):1475–84

Sequence of 863 nucleotides encompassing the PstI site of the yeast 2 micron plasmid. Elleman TC, et al. **Nucleic Acids Res** 1980 Nov 11;8(21):4841–50

The analysis of the distribution of restriction endonuclease sites in repetitive DNAs. Ellis TH, et al. **Nucleic Acids Res** 1981 Apr 10;9(7):1551–8

A bacterial cell that synthesizes a protein containing the antigenic determinants of rat prolactin. Erwin CR, et al. **Nucleic Acids Res** 1980 Jun 11;8(11):2537–46

Identification of a protein coded by pR plasmid and involved in SOS repair in E. coli. Gigliani F, et al. **Nucleic Acids Res** 1981 Feb 11;9(3):623–31

Brain tubulin and actin cDNA sequences: isolation of recombinant plasmids. Ginzburg I, et al. **Nucleic Acids Res** 1980 Aug 25;8(16):3553–64

The construction, identification and characterisation of plasmids containing human alpha-lactalbumin cDNA sequences. Hall L, et al. **Nucleic Acids Res** 1981 Jan 10; 9(1):65–84

Biochemical transformation of thymidine kinase (TK)-deficient mouse cells by herpes simplex virus type 1 DNA fragments purified from hybrid plasmids. Kit S, et al. **Nucleic Acids Res** 1980 Nov 25;8(22):5233–53

Expression of large plasmids in the endosymbiotic form of Rhizobium leguminosarum. Krol AJ, et al. **Nucleic Acids Res** 1980 Oct 10;8(19):4337–47

Structure of a promotor on plasmid pMB9 derived from plasmid pSC101. Pannekoek H, et al. **Nucleic Acids Res** 1980 Apr 11;8(7):1535–50

A method for detecting the coding DNA for a protein of known sequence in a collection of chimeric plasmids constructed with cDNAs. Roizes G, et al. **Nucleic Acids Res** 1980 Jan 25;8(2):351–60

Saccharomyces cerevisiae plasmid, Scp or 2 mum: intracellular distribution, stability and nucleosomal-like packaging. Seligy VL, et al. **Nucleic Acids Res** 1980 Aug 11;8(15):3371–91

The nucleotide sequence surrounding the replication origin of the cop3 mutant of the bacteriocinogenic plasmid Clo DF13. Stuitje AR, et al. **Nucleic Acids Res** 1980 Apr 11; 8(7):1459–73

Nucleotide sequences of heat shock activated genes in Drosophila melanogaster. I. Sequences in the regions of the 5' and 3' ends of the hsp 70 gene in the hybrid plasmid 56H8. Török I, et al. **Nucleic Acids Res** 1980 Jul 25; 8(14):3105–23

Molecular structure of the immunity gene and immunity protein of the bacteriocinogenic plasmid Clo DF13. van den Elzen PJ, et al. **Nucleic Acids Res** 1980 Oct 10; 8(19):4349–63

Bacterial synthesis of a novel human leukocyte interferon. Yelverton E, et al. **Nucleic Acids Res** 1981 Feb 11; 9(3):731–41

The genetic basis of the spread of beta-lactamase synthesis among plasmid-carrying bacteria. Richmond MH, et al. **Philos Trans R Soc Lond [Biol]** 1980 May 16; 289(1036):349–59

A plasmid cloning vector for KpnI-cleaved DNA. Beckingham K. **Plasmid** 1980 Nov;4(3):354–6

Essential virulence determinants of different Yersinia species are carried on a common plasmid. Ben-Gurion R, et al. **Plasmid** 1981 Mar;5(2):183–7

Plasmid chromosome isolation: an improved batch procedure for large plasmids. Bornhoeft JW, et al. **Plasmid** 1981 May; 5(3):366–70

Characterization of the plasmids of Bacillus megaterium: restriction endonuclease digestions, Southern blotting analysis, and partial denaturation mapping. Brown BJ, et al. **Plasmid** 1980 Nov;4(3):305–15

Characterization of the plasmids of Bacillus megaterium: base composition and reassociation kinetics analysis. Carreira LH, et al. **Plasmid** 1980 Nov;4(3):316–31

Purification of Escherichia coli amplifiable plasmids by high-salt sepharose chromatography. Cornelis P, et al. **Plasmid** 1981 Mar;5(2):221–3

Fingerprinting and sequence homology of plasmids from different virulent strains of Agrobacterium rhizogenes. Costantino P, et al. **Plasmid** 1981 Mar;5(2):170–82

Correlation between specific plasmids and delta-endotoxin production in Bacillus thuringiensis. González JM Jr, et al. **Plasmid** 1981 May;5(3):352–65

Analysis of chromosome mobilization using hybrids between plasmid RP4 and a fragment of bacteriophage lambda carrying IS1. Grinter NJ. **Plasmid** 1981 May;5(3):267–76

Simple procedure for distinguishing CCC, OC, and L forms of plasmid DNA by agarose gel electrophoresis. Hintermann G, et al. **Plasmid** 1981 May;5(3):371–3

New incompatibility groups of Staphylococcus aureus plasmids. Iordănescu S, et al. **Plasmid** 1980 Nov;4(3):256–60

Replication control system in lambda dv. Matsubara K. **Plasmid** 1981 Jan;5(1):32–52 (102 ref.)

A nonsense mutation in bacteriophage P1 eliminates the synthesis of a protein required for normal plasmid maintenance. Som T, et al. **Plasmid** 1981 Mar;5(2):150–60

The maintenance of the P1 plasmid prophage. Sternberg N, et al. **Plasmid** 1981 Jan;5(1):20–31 (37 ref.)

Group Y incompatibility and copy control of P1 prophage. Sternberg N, et al. **Plasmid** 1981 Mar;5(2):138–49

In vivo formation of a plasmid cointegrate expressing two incompatibility phenotypes. Taylor DE, et al. **Plasmid** 1981 May;5(3):233–44

Complementation analysis of replication and maintenance functions of broad host range plasmids RK2 and RP1. Thomas CM. **Plasmid** 1981 May;5(3):277–91

Inheritance functions of group IncFII transmissible antibiotic resistance plasmids. Timmis KN, et al. **Plasmid** 1981 Jan; 5(1):53–75 (91 ref.)

Physical characterization of plasmids from Streptomyces kasugaensis MB273. Toyama H, et al. **Plasmid** 1981 May; 5(3):306–12

RecE independent deletions of recombinant plasmids in Bacillus subtilis. Uhlén M, et al. **Plasmid** 1981 Mar; 5(2):161–9

Replication and structure of the bacteriocinogenic plasmids Clo DF13 and ColE1. Veltkamp E, et al. **Plasmid** 1981 Jan;5(1):76–99 (158 ref.)

The nucleotide sequence surrounding the replication terminus of R6K. Bastia D, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2095–9

Construction of recombinant plasmids containing Xenopus immunoglobulin heavy chain DNA sequences. Brown RD, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1755–9

Autonomously replicating sequences in Saccharomyces cerevisiae. Chan CS, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6329–33

Replication of the plasmid pBR322 under the control of a cloned replication origin from the single-stranded DNA phage M13. Cleary JM, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4638–42

Replication of plasmids from Staphylococcus aureus in Escherichia coli. Goze A, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7333–7

Herpes simplex virus thymidine kinase activity of thymidine kinase-deficient Escherichia coli K-12 mutant transformed by hybrid plasmids. Kit S, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):582–6

Genetic recombination of bacterial plasmid DNA: electron microscopic analysis of in vitro intramolecular recombination. Kolodner R. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4847–51

Unwinding of double-stranded DNA helix by dehydration. Lee CH, et al. **Proc Natl Acad Sci USA** 1981 May; 78(5):2838–42

Construction and identification of bacterial plasmids containing nucleotide sequence for human leukocyte interferon. Maeda S, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7010–3

Initiation of DNA replication in a ColE1-type plasmid: isolation of mutations in the ori region. Naito S, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6744–8

Expression of a DNA strand initiation sequence of ColE1 plasmid in a single-stranded DNA phage. Nomura N, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6566–70

Copy-number mutants of the plasmid carrying the replication origin of the Escherichia coli chromosome: evidence for a control region of replication. Ogura T, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):3993–7

Transformation of mouse fibroblasts to methotrexate resistance by a recombinant plasmid expressing a prokaryotic dihydrofolate reductase. O'Hare K, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1527–31

Posttranscriptional regulation of an erythromycin resistance protein specified by plasmic pE194. Shivakumar AG, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):3903–7

Organization of transcriptional signals in plasmids pBR322 and pACYC184. Stüber D, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):167–71

Association of the 2-micron DNA plasmid with yeast folded chromosomes. Taketo M, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3144–8

Inhibition of ColE1 RNA primer formation by a plasmid-specified small RNA. Tomizawa J, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1421–5

Sequence-specific recombination of plasmid ColE1. Warren GJ, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6724–8

Identification of two Escherichia coli factor Y effector sites near the origins of replication of the plasmids (ColE1 and pBR322. Zipursky SL, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6521–5

The interaction of Agrobacterium Ti-plasmid DNA and plant cells. Van Montagu M, et al. **Proc R Soc Lond [Biol]** 1980 Nov 19;210(1180):351–65

The colicinogenic Col 1b factor interferes with synthesis of class III proteins of bacteriophage T7. Gómez B, et al. **Rev Latinoam Microbiol** 1980 Jul-Sep;22(3):113–8

Plasmids. Novick RP. **Sci Am** 1980 Dec;243(6):102–4, 106, 110 passim

Plasmid DNA in Treponema pallidum (Nichols): potential for antibiotic resistance by syphilis bacteria. Norgard MV, et al. **Science** 1981 Jul 31;213(4507):553–5

Tumor DNA structure in plant cells transformed by A. tumefaciens. Zambryski P, et al. **Science** 1980 Sep 19; 209(4463):1395–91

Plasmid-mediated antimicrobial drug resistance in Salmonella dublin in food animals [letter] Threlfall EJ, et al. **Vet Rec** 1979 Jul 7;105(1):20–1

Evidence for uptake of plamid DNA into intact plants (Lemna perpusilla) proved by an E. coli transformation assay. Frey M, et al. **Z Naturforsch [C]** 1980 Nov-Dec; 35(11-12):1104–6

[Introduction to plasmidology. Signification in therapeutic and pathology (author's transl)] Pohl P. **J Pharm Belg** 1981 May-Jun;36(3):165–74 (Eng. Abstr.) **(Fre)**

[Protection of foreign DNA against host-controlled restriction in bacterial cells. II. Protection of pSF2124 plasmid by the gene function of bacteriophages T3 and T7] Reuter M, et al. **Z Allg Mikrobiol** 1980;20(5):345–54 (Eng. Abstr.) **(Ger)**

[Studies on E. coli and Kl. pneumoniae on the question of the loss of resistant determinants and the influence of the plasmids RP1 and R100 on the behaviour of these germs in dry and liquid atmopshere with minimal nutritive substances (author's transl)] Dickgiesser N, et al. **Zentralbl Bakteriol [B]** 1980;171(2-3):168–76 (Eng. Abstr.) **(Ger)**

['S. wien' and 'S. bredeney' plasmidic resistance to disinfectant agents and antibiotics (author's transl)] Levré E, et al. **Quad Sclavo Diagn** 1979 Jun;15 Suppl 1:770–6 (Eng. Abstr.) **(Ita)**

['Jumping' of transposon SCTn1 on to a plasmid in Streptomyces coelicolor (author's transl)] Lanfaloni L, et al. **Riv Biol** 1980;73(3):431–3 (Eng. Abstr.) **(Ita)**

[Genetic manipulation. II. The host-vector system] **Tanpakushitsu Kakusan Koso** 1981;26(4 Suppl):435–521 **(Jpn)**

[Conjugated plasmids of antibiotic resistance in conditionally pathogenic enterobacteria in infants with salmonellosis] Gridnev VA, et al. **Antibiotiki** 1981 Apr;26(4):275–9 (Eng. Abstr.) **(Rus)**

[Effect of the conjugative plasmids of S. typhimurium antibiotic resistance on the growth indices of E. coli] Lvanov NA, et al. **Antibiotiki** 1981 Mar;26(3):109–12 (Eng. Abstr.) **(Rus)**

[Role of plasmid genes in neomycin synthesis] Stepnov VP, et al. **Antibiotiki** 1981 Mar;26(3):96–9 (Eng. Abstr.) **(Rus)**

[Energy supply for transport of plasmid R 100-1 during conjugation of Escherichia coli cells] Berzhinskene IaA, et al. **Biokhimiia** 1980 Jun;45(6):1103–12 (Eng. Abstr.) **(Rus)**

[Integration of plasmid pPL 7065 into chromosome of Bac. pumilis] Lysenko AM, et al. **Biokhimiia** 1980 Jan; 45(1):180–2 (Eng. Abstr.) **(Rus)**

[Relationship between the presence of plasmid pKM101 and the frequency of spontaneous and induced mutations of different kinds] Abdukhalykova GF, et al. **Biull Eksp Biol Med** 1980 JUL;89(7):92–5 (Eng. Abstr.) **(Rus)**

[Genetic features of the F-like pAP10-2 plasmid controlling synthesis of thermostable enterotoxin in E. coli cells] Buianova NI, et al. **Biull Eksp Biol Med** 1981 Feb; 91(2):210–2 (Eng. Abstr.) **(Rus)**

[Atypical incompatibility of the F-like factors of pA22-4, pAP39 and pA41 genetic transfer with the F-group incompatibility plasmids] Pekhov AP, et al. **Biull Eksp Biol Med** 1980 Aug;90(8):205–8 (Eng. Abstr.) **(Rus)**

[Compatibility between F-like genetic transfer factors] Reshetnikova VN, et al. **Biull Eksp Biol Med** 1981 Mar; 91(3):347–50 (Eng. Abstr.) **(Rus)**

[RecA+-independent formation of recombinant plasmids in strains of E. coli producing Eco RI restriction endonuclease] Aleshkin GI, et al. **Dokl Akad Nauk SSSR** 1980;253(6):1465–9 **(Rus)**

[Bacillus subtilis transformation by streptococcal plasmids] Boĭtsov AS, et al. **Dokl Akad Nauk SSSR** 1980;254(2):490–2 **(Rus)**

[Site-specific deletions of vector plasmid pBR322] Garaev MM, et al. **Dokl Akad Nauk SSSR** 1980;253(5):1232–5 **(Rus)**

[Site-specific deletions of vector plasmid pBR322] Garaev MM, et al. **Dokl Akad Nauk SSSR** 1980;253(5):1232–5 **(Rus)**

[New DNA modification-restriction plasmid system detected in a clinical strain of Escherichia coli] Glatman LI, et al. **Dokl Akad Nauk SSSR** 1980;252(4):993–5 **(Rus)**

[Supersynthesis of EcoRII endonuclease and methylase by strains of Escherichia coli containing recombinant plasmids obtained in vitro] Kosykh VG, et al. **Dokl Akad Nauk SSSR** 1980;252(4):995–8 **(Rus)**

[Cloning simian adenovirus 7 DNA fragments in Escherichia coli bacteria using plasmid vector pBR322] Naroditskiĭ BS, et al. **Dokl Akad Nauk SSSR** 1980;253(5):1244–6 **(Rus)**

[Plasmids controlling the production of hemolysin in Escherichia coli: mapping the Hly-determinant region] Numerov VK, et al. **Dokl Akad Nauk SSSR** 1981; 257(2):483–6 **(Rus)**

[Biodegrading pBS2-plasmid controlling the synthesis of catechol-1, 2-oxygenase] Starovoĭtov II, et al. **Dokl Akad Nauk SSSR** 1981;256(1):196–8 **(Rus)**

[Ribonuclease activity linked to the colicinogenic plasmid Col V-K 30] Zaveniagina TN, et al. **Dokl Akad Nauk SSSR** 1980;252(5):1268–72 **(Rus)**

[Effect of plasmids col I and pKM101, alone or in combination, on spontaneous and induced mutability of salmonellae] Andreeva IV, et al. **Genetika (Moskva)** 1980; 16(7):1182–8 (Eng. Abstr.) **(Rus)**

[Transformation and transduction in Bacillus subtilis strains with the BsuR restriction-modification system by modified and unmodified pUB110 plasmid DNA] Belova TS, et al. **Genetika (Moskva)** 1981;17(5):794–800 (Eng. Abstr.) **(Rus)**

[Effect of colicinogenic plasmids on mutagenesis and the induction of colicin E1 synthesis] Khmel' IA, et al. **Genetika (Moskva)** 1980;16(12):2107–19 (Eng. Abstr.) **(Rus)**

[Effect of plasmid R6K on expression of the temperature-sensitive mutation in gene dnaE of Escherichia coli K-12] Kushner IKh, et al. **Genetika (Moskva)** 1980;16(10):1775-85 (Eng. Abstr.) **(Rus)**

[Role of Escherichia coli K-12 lambda phage receptors in transfection and plasmid transformation] Likhacheva NA, et al. **Genetika (Moskva)** 1980;16(7):1176-81 (Eng. Abstr.) **(Rus)**

[Instability of hybrid plasmids containing Drosophila melanogaster DNA in rec+ and rec- Escherichia coli K-12 strains] Mel'nikov AL, et al. **Genetika (Moskva)** 1981; 17(1):45-51 (Eng. Abstr.) **(Rus)**

[Effect of lambda prophage on the functioning of hybrid plasmid pSD1 containing the immunity region of lambda phage] Sineokii SP, et al. **Genetika (Moskva)** 1980; 16(11):1974-9 (Eng. Abstr.) **(Rus)**

[Use of a transposon determining tetracycline resistance (Tn10) in genetic studies of cholera vibrios] Smirnova NI, et al. **Genetika (Moskva)** 1980;16(10):1808-15 (Eng. Abstr.) **(Rus)**

[Plasmid DNA transduction in Bacillus subtilis] Surikov NN, et al. **Genetika (Moskva)** 1981;17(5):801-4 (Eng. Abstr.) **(Rus)**

[Certain properties of transcribed fragments of the mouse genome cloned in plasmid pBR322] Tokarskaia ON, et al. **Genetika (Moskva)** 1980;16(10):1741-52 (Eng. Abstr.) **(Rus)**

[Escherichia coli transformation by recombinant plasmids] Dekhtiarenko TD, et al. **Mikrobiol Zh** 1980 Nov-Dec; 42(6):769-71 **(Rus)**

[Production of hybrid plasmids containing Bacillus subtilis genes] Okunev OV, et al. **Mikrobiol Zh** 1981 May-Jun; 43(3):275-9 (Eng. Abstr.) **(Rus)**

[Plasmid characteristics of naphthalene and salicylate biodegradation in Pseudomonas putida] Zakharian RA, et al. **Mikrobiologiia** 1980 Nov-Dec;49(6):931-5 (Eng. Abstr.) **(Rus)**

[Plasmids of Bacillus thuringiensis var. galleriae strain 612] Debabov VG, et al. **Mol Biol (Mosk)** 1980 Sep-Oct; 14(5):1039-45 (Eng. Abstr.) **(Rus)**

[Ti plasmids of Agrobacterium tumefaciens and their role in the formation of plant tumors] Poglazov AB, et al. **Mol Biol (Mosk)** 1980 Jul-Aug;14(4):725-33 (Eng. Abstr.) **(Rus)**

[Evolution of bacterial plasmids] Pekhov AP. **Usp Sovrem Biol** 1980 May-Jun;89(3):407-18 (53 ref.) **(Rus)**

[Construction and properties of a 2-replicon hybrid plasmid bearing the galactose operon of E. coli] Kalinin VN, et al. **Vestn Akad Med Nauk SSSR** 1981;(2):29-32 (Eng. Abstr.) **(Rus)**

[EcoR1 restriction in vivo: possible utilization in genetic engineering] Skavronskaia AG, et al. **Vestn Akad Med Nauk SSSR** 1981;(2):40-6 (Eng. Abstr.) **(Rus)**

[Transfer of plasmid bacteriocinogenicity during the growth process of a population of staphylococci] Ivanov NA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Jul;(7):22-5 (Eng. Abstr.) **(Rus)**

[Expression of plasmid R6K in a cell-free coupled transcription-translation system] Lisenkov AF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Feb;(2):23-7 (Eng. Abstr.) **(Rus)**

[Characteristics of the plasmid complex in Salmonella suipestifer] Pekhov AA. **Zh Mikrobiol Epidemiol Immunobiol** 1981 May;(5):48-51 (Eng. Abstr.) **(Rus)**

[Characteristics and classification of plasmids of conditionally pathogenic E. coli according to their conjugative and mobilization capacity] Pekhov AP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Dec;(12):31-6 (Eng. Abstr.) **(Rus)**

[Plasmids and their importance in medicine] Crosa JH. **Medicina (B Aires)** 1980 Nov-Dec;40(6 Pt 2):879-89 **(Spa)**

DRUG EFFECTS

Lack of correlation between intercalation and plasmid curing ability of some tricyclic compounds. Barabás K, et al. **Acta Microbiol Acad Sci Hung** 1980;27(1):55-61

Uptake of plasmid deoxyribonucleic acid by Haemophilus. Gromkova R, et al. **J Bacteriol** 1981 Apr;146(1):79-84

Factors influencing the establishment and spread of R-plasmids in an experimental model of urinary tract infection. Snowsill L, et al. **J Hyg (Lond)** 1981 Aug; 87(1):83-91

Recalcitrant gonococci, plasmids, and antibiotics [editorial] **Lancet** 1981 Apr 11;1(8224):816-7

Drug resistance and R plasmids in Escherichia coli strains isolated from imported pet birds. Nakamura M, et al. **Microbiol Immunol** 1980;24(12):1131-8

[Mutant plasmids pBR322 obtained by in vitro hydroxylamine treatment] Shuliupin OK, et al. **Dokl Akad Nauk SSSR** 1981;257(4):1009-13 **(Rus)**

[Plasmid elimination from Escherichia coli K-12 cells by coumermycin] Danilevskaia ON, et al. **Genetika (Moskva)** 1980;16(11):1942-6 **(Rus)**

['Killer' plasmid mutants obtained by exposure to 5-fluorouracil] Nesterova GF, et al. **Genetika (Moskva)** 1981;17(3):391-8 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Efficiency of Escherichia coli repair processes on uv-damaged transforming plasmid DNA. Roberts RJ, et al. **Plasmid** 1981 Mar;5(2):213-20

PLASMIN see **FIBRINOLYSIN**

PLASMINOGEN

Comparison of the primary structure of the N-terminal CNBr fragments of human, bovine and porcine plasminogen. Brunisholz RA, et al. **Eur J Biochem** 1981 Mar; 114(3):465-70

The existence of independent domain structures in human Lys77-plasminogen. Castellino FJ, et al. **J Biol Chem** 1981 May 25;256(10):4778-82

Influence of alpha 2-plasmin inhibitor on adsorption of plasminogen to fibrin. Aoki N, et al. **Thromb Res** 1980 Jul 1-15;19(1-2):149-55

Plasminogen concentrations and functional activities and concentrations of plasmin inhibitors in plasma samples from normal subjects and patients with septic shock. Gallimore MJ, et al. **Thromb Res** 1980 Jun 1;18(5):601-8

Further characterization SK-potentiators of plasminogen. Takada A, et al. **Thromb Res** 1980 Aug 15-Sep 1; 19(4-5):485-92

Effects of SK-potentiator and fibrinogen on SK-plasminogen complex in the presence of tranexamic acid. Takada A, et al. **Thromb Res** 1980 Sep 15;19(6):767-73

[Determination of fibrinolysis inhibitor activity in pregnancy. Preparation of plasminogen] Fantoni A, et al. **Arch Sci Med (Torino)** 1981 Apr-Jun;138(2):199-200 **(Ita)**

ANALYSIS

Plasminogen assay [letter] Bishop RC. **Am J Clin Pathol** 1981 Aug;76(2):249-50

A simplified technique for preparation of zymograms of human plasminogen. Yokoyama T, et al. **Clin Chim Acta** 1980 Dec 8;108(2):317-21

Disseminated intravascular coagulation: antithrombin, plasminogen, and coagulation abnormalities in 41 dogs. Feldman BF, et al. **J Am Vet Med Assoc** 1981 Jul 15; 179(2):151-4

Plasma antithrombin III and plasminogen levels in chronic plasmapheresis [letter] Jaffe P, et al. **N Engl J Med** 1981 Mar 26;304(13):789

Dysfunctional plasminogen in full-term newborn. Estelles A, et al. **Pediatr Res** 1980 Nov;14(11):1180-5

Evaluation of plasminogen and other fibrinolytic parameters in the amniotic fluid [letter] Aznar J, et al. **Thromb Haemost** 1980 Jun 18;43(2):182

[Alterations of plasma plasminogen and fibrinogen, serum fibrin degradation products and degree of ADP induced platelet aggregation in acute myocardial infarction (author's transl)] **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1979; 7(1):49-52 (Eng. Abstr.) **(Chi)**

[Behavior of plasminogen in prostatic carcinoma treated with cytonal] Oehler D, et al. **Z Urol Nephrol** 1980 Dec; 73(12):923-9 (Eng. Abstr.) **(Ger)**

[Assay method of plasma plasminogen by means of a synthetic fluorogenic peptide substrate (3104-V) (author's transl)] Suzuki K, et al. **Rinsho Byori** 1980 Aug;28(8):804-7 **(Jpn)**

[Diagnostic value of plasminogen in viral hepatitis] Boiadzhiian KhP. **Klin Med (Mosk)** 1981 Jan;59(1):77-9 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Spectrophotometrical determination of plasminogen and plasmin inhibitors in human plasma using fibrin suspension as a substrate. Saito Y, et al. **Thromb Res** 1980 Nov 1; 20(3):307-13

DEFICIENCY

[Thrombotic tendency due to congenital disorders of coagulation or fibrinolysis (author's transl)] Sakata Y, et al. **Rinsho Ketsueki** 1980 Jun;21(6):714-22 (Eng. Abstr.) **(Jpn)**

GENETICS

Genetic polymorphism of human plasminogen. Raum D, et al. **Am J Hum Genet** 1980 Sep;32(5):681-9

METABOLISM

Cyclic variation of plasminogen activation in human uterine fluid and the influence of an intrauterine device. Casslén B, et al. **Acta Obstet Gynecol Scand** 1981;60(2):97-101

Essential carboxyl- and guanidino-group in the lysine-binding site of human plasminogen. Väli Z, et al. **Biochem Biophys Res Commun** 1980 Oct 31;96(4):1804-11

Studies onthe chemical nature of lysine-binding sites and on their localization in human plasminogen. Lerch PG, et al. **Biochim Biophys Acta** 1980 Oct 21;625(2):374-8

Adsorption to fibrin of native fragments of known primary structure from human plasminogen. Thorsen S, et al. **Biochim Biophys Acta** 1981 May 29;668(3):377-87

Correction of various abnormalities in cultured porcine von Willebrand endothelial cells by inhibition of plasminogen-dependent protease activity. Booyse FM, et al. **Blood** 1981 Sep;58(3):573-83

The metabolism of fibrinogen and plasminogen related to diabetic retinopathy in man. Cederholm-Williams SA, et al. **Eur J Clin Invest** 1981 Apr;11(2 Suppl 1):133-8

Isolation and characterization of a human plasma protein with affinity for the lysine binding sites in plasminogen. Role in the regulation of fibrinolysis and identification as histidine-rich glycoprotein. Lijnen HR, et al. **J Biol Chem** 1980 Nov 10;255(21):10214-22

The binding and processing of plasminogen by Balb/c 3T3 and SV3T3 cells. Tobler J, et al. **J Cell Physiol** 1981 Aug; 108(2):277-90

Activation of plasminogen to plasmin by a protease associated with the outer membrane of Escherichia coli. Leytus SP, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1485-9

Production and release of plasminogen by isolated perfused rat liver. Saito H, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6837-40

Binding of 99mTc plasminogen on fibrin. Juhan-Vague I, et al. **Thromb Haemost** 1981 Apr 30;45(2):154-7

The effect of streptokinase on the fibrin binding site of plasmin(ogen). Cederholm-Williams SA. **Thromb Res** 1981 Mar;21(6):649-54

Binding of plasmin(ogen) to sepharose bound fibrin(ogen) alpha-chain. Cederholm-Williams SA, et al. **Thromb Res** 1981 Feb-Mar;21(4-5):503-6

Enzymatic properties of plasmins converted from acid-treated and native Glu- and Lys-plasminogens by urokinase. Takada A, et al. **Thromb Res** 1981 Mar; 21(6):593-601

PHYSIOLOGY

Mini-plasminogen: a mechanism for leukocyte modulation of plasminogen activation by urokinase. Moroz LA. **Blood** 1981 Jul;58(1):97-104

Abnormal plasminogen, a case of recurrent thrombosis. Kazama M, et al. **Thromb Res** 1981 Feb-Mar; 21(4-5):517-22

The binding of glu- and lys-plasminogens to fibrin and their subsequent effects on fibrinolysis. Whitaker AN, et al. **Thromb Res** 1980 Aug 1;19(3):381-91

THERAPEUTIC USE

Fibrinolysis with acyl-enzymes: a new approach to thrombolytic therapy. Smith RA, et al. **Nature** 1981 Apr 9;290(5806):505-8

[Thrombolytic treatment of venous thrombi with combined use of streptokinase and human plasminogen (author's transl)] Lübcke P, et al. **Dtsch Med Wochenschr** 1981 May 8;106(19):610-4 (Eng. Abstr.) **(Ger)**

PLASMINOGEN ACTIVATORS

Cyclic variation of plasminogen activation in human uterine fluid and the influence of an intrauterine device. Casslén B, et al. **Acta Obstet Gynecol Scand** 1981;60(2):97-101

A sensitive, coupled assay for plasminogen activator using a thiol ester substrate for plasmin. Coleman PL, et al. **Ann NY Acad Sci** 1981;370:617-26

Investigation on the interaction of commercial forms of streptokinase and human plasminogen: a potential screening procedure for fibrinolytic inhibitors. Beaulac P, et al. **Can J Physiol Pharmacol** 1980 Nov;58(11):1376-84

Relationship between tissue plasminogen activator and the activators in blood and vascular wall. Rijken DC, et al. **Thromb Res** 1980 Jun 15;18(6):815-30

ANALYSIS

Radial caseinolysis in agarose: a simple method for detection of plasminogen activator in the presence of inhibitory substances and serum. Saksela O. **Anal Biochem** 1981 Mar 1;111(2):276-82

An improved colorimetric assay for plasminogen activator. Searls DB. **Anal Biochem** 1980 Sep 1;107(1):64-70

Plasminogen activator in prostatic tumors of Nb rats. Rennie PS, et al. **Biochim Biophys Acta** 1980 Oct 15;632(3):437-43

Radioimmunoassay of urokinase for quantification of plasminogen activators released in ovarian tumour cultures. Astedt B, et al. **Eur J Cancer** 1981 Feb;17(2):239-44

Detection of plasminogen activator in macrophage culture supernatants by a photometric assay. Overwien B, et al. **Hoppe Seylers Z Physiol Chem** 1980 Aug;361(8):1251-5

Immunological characterization of plasminogen activator activities in human tissues and body fluids. Rijken DC, et al. **J Lab Clin Med** 1981 Apr;97(4):477-86

Distribution of plasminogen-activator in human milk samples collected at various days after delivery. Okamoto U, et al. **Nippon Ketsueki Gakkai Zasshi** 1980 Aug;43(4):743-6

Sensitive assay for plasminogen activator of transformed cells. Liu HY, et al. **Proc Natl Acad Sci USA** 1980 Jul; 77(7):3796-800

Immunological analysis of plasminogen activators from cultured human cancer cells. Naito S, et al. **Virchows Arch [Pathol Anat]** 1980;387(3):251-7

[Examination of plasminogen-activators and plasmin-inhibitors in maternal and fetal rat-lung-tissue after administration of DL-carnitine-hydrochloride (author's transl)] Hückmann T, et al. **Z Geburtshife Perinatol** 1980 Feb;184(1):54-9 (Eng. Abstr.) **(Ger)**

[The investigation on early diagnosis of the bladder tumor. II: A study on urinary cytology, urinary fibrin/fibrinogen degradation products, tissue fibrin deposition and tissue plasminogen activator activity in patients with bladder tumors (author's transl)] Tanahashi T. **Nippon Hinyokika Gakkai Zasshi** 1980 Sep;71(9):1047–54 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Human fibroblasts produce inhibitor directed against plasminogen activator when treated with glucocorticoids. Crutchley DJ, et al. **Ann NY Acad Sci** 1981;370:609–16

Hormonal regulation of membrane phenotype in hepatoma cells. Gelehrter TD. **Ann NY Acad Sci** 1980;349:210–20 (43 ref.)

Recurring thrombo-embolic accidents caused by family-related deficiency of the fibrinolysis system. Alexandre P, et al. **Blut** 1980 Dec;41(6):437–44

Serum-mediated suppression of cell-associated plasminogen activator activity in cultured endothelial cells. Levin EG, et al. **Cell** 1980 Dec;22(3):701–7

Secretion of a progesterone-induced inhibitor of plasminogen activator by the porcine uterus. Mullins DE, et al. **Cell** 1980 Jul;20(3):865–72

An inhibitor of plasminogen activator in rabbit endothelial cells. Loskutoff DJ, et al. **J Biol Chem** 1981 May 10; 256(9):4142–5

BIOSYNTHESIS

Lack of correlation between plasminogen activator production and the continous expression of the transformed phenotype of chicken and mammalian cells as shown with S-adenosyl homocysteine analogues. Vedel M, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1316–25

Induction of plasminogen activator and prostaglandin biosynthesis in HeLa cells by 12-O-tetradecanoylphorbol-13-acetate. Crutchley DJ, et al. **Cancer Res** 1980 Mar;40(3):849–52

Effects of retinoids on normal and neoplastic human cells cultured in vitro. Wilson EL, et al. **Cancer Res** 1980 Dec; 40(12):4817–20

Tumor promoter-induced changes in the permeability of epithelial cell tight junctions. Ojakian GK. **Cell** 1981 Jan; 23(1):95–103

Regulation of plasminogen activator synthesis in chick embryo fibroblasts infected with avian retroviruses. Rifkin DB. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):665–8

Plasminogen activator induction and platelet aggregation by phorbol and some of its derivatives: correlation with skin irritancy and tumor-promoting activity. Brynes PJ, et al. **J Cancer Res Clin Oncol** 1980;97(3):257–66

Differences in pattern and level of plasminogen activator production between a cloned cell line from an ethylnitrosourea-induced glioma and one from normal adult rat brain. Hince TA, et al. **J Cell Physiol** 1980 Aug; 104(2):199–207

Lack of correlation between effects of tumor promoter TPA on plasminogen activator production, phosphatidyl choline synthesis, and hexose transport in mammalian cell culture systems. Plagemann PG, et al. **J Cell Physiol** 1980 Jul; 104(1):105–19

Studies on the control of plasminogen activator production by cultured human embryonic lung cells: requirements for inhibition by corticosteroids. Rifkin DB, et al. **J Cell Physiol** 1980 Dec;105(3):417–22

Induction of plasminogen activator synthesis by antibodies. Becker D, et al. **J Exp Med** 1981 Aug 1;154(2):385–96

Stimulation of human synovial fibroblast plasminogen activator production by mononuclear cell supernatants. Hamilton JA, et al. **J Immunol** 1981 Mar;126(3):851–5

A lysine-absorbable plasminogen activator is elevated in conditions associated with increased fibrinolytic activity. Comp PC, et al. **J Lab Clin Med** 1981 May;97(5):637–45

Transformation phenotype of polyoma virus-transformed rat fibroblasts: plasminogen activator production is modulated by the growth state of the cells and regulated by the expression of an early viral gene function. Perbal B. **J Virol** 1980 Aug;35(2):420–7

Human synovium releases a factor which stimulates chondrocyte production of PGE and plasminogen activator. Meats JE, et al. **Nature** 1980 Aug 28; 286(5776):891–2

Production of plasminogen activator from monkey kidney cell culture. Allison DM, et al. **Thromb Res** 1980 Aug 15-Sep 1;19(4–5):525–34

The small-t protein of SV40 is required for loss of actin cable networks and plasminogen activator synthesis in transformed rat cells. Topp WC, et al. **Virology** 1980 Oct 30;106(2):282–91

[Glomerular plasminogen activator in experimental intravascular coagulation] Giroux L, et al. **Union Med Can** 1981 Jan;110(1):39–43 (Eng. Abstr.) **(Fre)**

BLOOD

Factor VII and fibrinolytic response to deamino-8-D-argenine vasopressin in normal subjects and dissociate response in some patients with haemophilia and von Willebrand's disease. Ludlam CA, et al. **Br J Haematol** 1980 Jul;45(3):499–511

[Levels of vascular plasminogen activator and its ability to be released into the blood in recent myocardial infarct] Psuja P. **Pol Arch Med Wewn** 1981 Apr;65(4):295–303 (Eng. Abstr.) **(Pol)**

DEFICIENCY

Familial vascular plasminogen activator deficiency: a cause of cerebrovascular thrombosis. Kori SH, et al. **Trans Am Neurol Assoc** 1979;104:188–92

IMMUNOLOGY

Production by human tissues in culture of immunologically distinct, multiple molecular weight forms of plasminogen activators. Bernik MB, et al. **Ann NY Acad Sci** 1981; 370:592–608

Immunochemical characterization of human plasminogen activators. Aasted B. **Biochim Biophys Acta** 1981 May 29; 668(3):339–48

The capacity of lymphocytes from recipients of acutely rejecting allografts to modulate macrophage plasminogen activator activity. Tilney NL, et al. **Transplantation** 1981 Jan;31(1):90–3

ISOLATION & PURIFICATION

Purification of plasminogen activator from Rous sarcoma virus transformed chick embryo fibroblasts treated with the tumor promoter phorbol 12-myristate 13-acetate. Goldfarb RH, et al. **Biochemistry** 1980 Nov 25; 19(24):5463–71

Purification and characterization of a plasminogen activator from mouse cells transformed by an oncogenic virus. Danø K, et al. **Biochim Biophys Acta** 1980 Jun 13;613(2):542–55

Isolation and properties of a plasminogen activator derived from canine vascular tissue. Highsmith RF. **J Biol Chem** 1981 Jul 10;256(13):6788–95

Isolation and properties of human vascular plasminogen activator. Allen RA, et al. **Thromb Haemost** 1981 Feb 23; 45(1):43–50

Plasminogen-activator in human early milk: its partial purification and characterization. Okamoto U, et al. **Thromb Haemost** 1981 Apr 30;45(2):121–6

Studies on plasminogen activator from pig kidney cell cultures. III. Purification and characterization. Bobbitt JL, et al. **Thromb Res** 1980 May 1–15;18(3–4):315–32

[Studies on a plasminogen activating system in human milk: V. Purification of milk-activator and its properties (author's transl)] Horie N, et al. **Nippon Ketsueki Gakkai Zasshi** 1980 Jun;43(3):564–71 (Eng. Abstr.) **(Jpn)**

METABOLISM

Plasmin and plasminogen activators: kinetics, and kinetics of plasminogen activation. Robbins KC, et al. **Ann NY Acad Sci** 1981;370:588–91

Loss of glucocorticoid regulation of plasminogen activator activity in anucleate rat hepatoma cells. Barouski PA, et al. **Biochem Biophys Res Commun** 1980 Oct 31;96(4):1540–6

Dexamethasone inhibition and phorbol myristate acetate stimulation of plasminogen activator in human embryonic lung cells. Jaken S, et al. **Biochem Biophys Res Commun** 1981 Mar 31;99(2):379–84

Plasminogen activator in human uterine tissue--relationship to location of sampling and time in ovarian cycle. Shaw ST Jr, et al. **Biochem Med** 1980 Oct;24(2):170–8

Expression of the catalytic activity of plasminogen activator under physiologic conditions. Aggeler J, et al. **Biochim Biophys Acta** 1981 Jun 11;675(1):62–8

Plasminogen activator in cultured Lewis lung carcinoma cells measured by chromogenic substrate assay. Whur P, et al. **Br J Cancer** 1980 Aug;42(2):305–13

Comparative studies on human activators of plasminogen. Mackie M, et al. **Br J Haematol** 1981 Jan;47(1):77–90

Plasminogen activator in the rodent brain. Soreq H, et al. **Brain Res** 1981 Jul 20;216(2):361–74

Correlation between plasminogen activator activity of immunizing tumor cells and complement-mediated cytotoxic antibodies secreted by cloned hybrid cells. Hakim AA. **Cancer Biochem Biophys** 1980;5(1):63–74

Mitogenic activity and plasminogen activator in harvest fluid concentrates from mammary cells in culture. Howard EF, et al. **Cancer Res** 1980 Dec;40(12):4385–9

Content and characterization of plasminogen activators in human lung tumors and normal lung tissue. Markus G, et al. **Cancer Res** 1980 Mar;40(3):841–8

Effects of retinoic acid on plasminogen activator and mitogenic responses of cultured mouse cells. Schroder EW, et al. **Cancer Res** 1980 Sep;40(9):3089–94

Protease-nexin: a cellular component that links thrombin and plasminogen activator and mediates their binding to cells. Baker JB, et al. **Cell** 1980 Aug;21(1):37–45

Neutral proteinases of leucocytes and the inflammatory process. Vassalli JD, et al. **Ciba Found Symp** 1979; (75):381–95 (34 ref.)

New assay for the plasminogen activator activity of transformed cells. Mangel WF, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):669–80

The effect of the anabolic steroid stanozolol on tissue plasminogen activator activity and plasmin inhibition in the rat. Smokovitis A, et al. **Experientia** 1980 Sep 15; 36(9):1079–80

Plasminogen-activator of the arterial wall in occluded arteries. Donner L, et al. **Folia Haematol (Leipz)** 1980; 107(1):141–7

Increased neurite development and plasminogen activator expression by exposure of human neuroblastoma cells to plasminogen-deficient growth medium. Becherer PR, et al. **J Cell Physiol** 1980 Jul;104(1):47–52

Plasminogen activators: a morphologist's view. Todd AS. **J Clin Pathol [Suppl]** 1980;33(Suppl 14):18–23

Quantification of plasminogen activator activity associated with herpesvirus-transformed cells. Adelman SF, et al. **J Gen Virol** 1980 Sep;50(1):101–10

Fibrinolytic activity in periodontal disease. The relationship between fibrinolytic activity and severity of periodontal disease. Hidaka N, et al. **J Periodontol** 1981 Apr;52(4):181–6

Steroid and plasminogen activator production by cultured rat granulosa cells in response to hormone treatment. Liu WK, et al. **Mol Cell Endocrinol** 1981 Jan;21(1):63–73

Plasminogen activator and the membrane of transformed cells. Quigley JP, et al. **Prog Clin Biol Res** 1980;41:773–96

A new hypothesis: possible mechanisms in the involvement of the increased plasminogen activator activity in branching regions of the aorta in the initiation of atherosclerosis. Smokovitis A. **Thromb Haemost** 1980 Jun 18;43(2):141–6

Enhancement of plasminogen activation and hydrolysis of purified fibrinogen and fibrin by dextran 70. Carlin G, et al. **Thromb Res** 1980 Aug 15-Sep 1;19(4–5):535–46

Effect of proteases on plasminogen activator release from isolated perfused dog leg. Hijikata A, et al. **Thromb Res** 1980 Dec 1–15;20(5–6):521–31

Plasminogen activator response after DDAVP: a clinico-pharmacological study. Mannucci PM, et al. **Thromb Res** 1980 Oct 1;20(1):69–76

Plasminogen activator activity of isolated cardiac muscle microvessel endothelial cells. Shepro D, et al. **Thromb Res** 1980 Jun 1;18(5):609–16

INfluence of Pseudomonas aeruginosa proteases on prothrombin, plasminogen and fibrinogen. Pulverer G, et al. **Zentralbl Bakteriol [A]** 1980;248(1):99–109

[Detection of arterial and venous fibrinolytic enzymes in traumatic finger amputation] Wriedt-Lübbe I, et al. **Med Welt** 1981 Apr 17;32(16):623–5 **(Ger)**

PHARMACODYNAMICS

Plasminogen activator is an apparent lymphocyte mitogen. Cohen SD, et al. **J Immunol** 1981 Apr;126(4):1415–20

Plasminogen activation by normal B lymphocytes, a function associated with the cell membrane. Maillard JL, et al. **J Immunol** 1981 Mar;126(3):1126–30

Activated factor B (Bb) of the alternative pathway of complement activation cleaves and activates plasminogen. Sundsmo JS, et al. **J Immunol** 1981 Sep;127(3):877–80

Dissolution of thrombi by tissue plasminogen activator, urokinase and streptokinase in an artificial circulating system. Mattsson C, et al. **Thromb Res** 1981 Mar; 21(6):535–45

[Effect of a single administration of plasminogen tissue activator on the state of the fibrinolytic system of rat blood] Andreenko GV, et al. **Vopr Med Khim** 1981 Jan-Feb; 27(1):77–80 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Evidence for a role of the plasminogen activator--plasmin system in corneal ulceration. Berman M, et al. **Invest Ophthalmol Vis Sci** 1980 Oct;19(10):1204–21

SECRETION

Stimulation of the secretion of plasminogen activator from activated murine macrophages by microtubule disrupting agents and deuterium oxide. Humphray HP, et al. **Biochem Pharmacol** 1980 Oct 1;29(19):2545–50

Molecular species of plasminogen activators secreted by normal and neoplastic human cells. Wilson EL, et al. **Cancer Res** 1980 Mar;40(3):933–8

Regulation of the plasminogen activator activity of macrophage tumor cell lines. Hamilton JA, et al. **Int J Immunopharmacol** 1980;2(4):353–62

Purification and characterization of the plasminogen activator secreted by human melanoma cells in culture. Rijken DC, et al. **J Biol Chem** 1981 Jul 10;256(13):7035–41

THERAPEUTIC USE

Thrombolysis by human tissue plasminogen activator and urokinase in rabbits with experimental pulmonary embolus. Matsuo O, et al. **Nature** 1981 Jun 18;291(5816):590–1

PLASMINOKINASE see **STREPTODORNASE AND STREPTOKINASE**

PLASMODIUM

Cryopreservation of Plasmodium gallinaceum Brumpt sporozoites for 16 years at - 196 degrees C. Weathersby AB, et al. **Cryobiology** 1981 Jun;18(3):313–4

[Centenary of the discovery of the causative agent of malaria] Zasukhin DN. **Parazitologiia** 1981 May-Jun;15(3):298–301 **(Rus)**

CYTOLOGY

[Morphology and infectivity of gametocytes of Plasmodium inui] Dei-Cas E, et al. **Ann Parasitol Hum Comp** 1980

Nov-Dec;55(6):621-33 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

The effect of colchicine on the development of Plasmodium knowlesi in vitro. McColm AA, et al. **Ann Trop Med Parasitol** 1980 Oct;74(5):479-83

In vitro susceptibility of erythrocytes of Presbytis entellus (Indian Langur) to Plasmodium knowlesi & blocking of merozoite invasion process by certain protease inhibitors. Dutta GP, et al. **Indian J Exp Biol** 1981 Jan;19(1):9-11

Chloroquine effects on parasite and host membranes of intraerythrocytic Plasmodium chabaudi. Stübig H, et al. **Tropenmed Parasitol** 1981 Jun;32(2):77-81

[Studies on the mechanism of sporontocidal effect of nitroquine (CI-679) on P. gallinaceum (author's transl)] Wang XX, et al. **Yao Hsueh Hsueh Pao** 1981 May; 16(5):334-41 (Eng. Abstr.) **(Chi)**

ENZYMOLOGY

Detection of glucose-6-phosphate dehydrogenase in malarial parasites. Hempelmann E, et al. **Mol Biochem Parasitol** 1981 Feb;2(3-4):197-204

Purine metabolizing enzymes of Plasmodium lophurae and its host cell, the duckling (Anas domesticus) erythrocyte. Yamada KA, et al. **Mol Biochem Parasitol** 1981 Apr; 2(5-6):345-58

GENETICS

[Plasmodium ovale malaria in France. Probability of of genetic control of the incubation period (author's transl)] Charmot G, et al. **Nouv Presse Med** 1979 Jan 6;8(1):35-8 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

Plasmodial modifications of erythrocyte surfaces. Wallach DF, et al. **Ciba Found Symp** 1980 May 13-15;80:220-33

Plasmodium hermani: experimental transmission by Culex salinarius and comparison with other susceptible florida mosquitoes. Nayar JK, et al. **Exp Parasitol** 1981 Jun; 51(3):431-7

Endotoxin-induced serum factor kills malarial parasites in vitro. Taverne J, et al. **Infect Immun** 1981 Jul;33(1):83-9

Development of Plasmodium inui in the Aotus trivirgatus monkey. Collins WE, et al. **J Parasitol** 1981 Apr; 67(2):222-5

Cultivation in vitro of the vivax-type malaria parasite Plasmodium cynomolgi. Nguyen-Dinh P, et al. **Science** 1981 Jun 5;212(4499):1146-8

Sexual development of malarial parasites in their mosquito vectors. Sinden RE. **Trans R Soc Trop Med Hyg** 1981; 75(1):171-2

[In vitro growth experiments on malaria parasites (author's transl)] Özer N. **Mikrobiyol Bul** 1980 Apr;14(2):157-9 (Eng. Abstr.) **(Tur)**

IMMUNOLOGY

Plasmodium yoelii: antibody and the maintenance of immunity in BALB/c mice. Freeman RR, et al. **Exp Parasitol** 1981 Aug;52(1):18-24

Plasmodium lophurae: immunization of Pekin ducklings with different antigen preparations. McDonald V, et al. **Exp Parasitol** 1981 Apr;51(2):195-203

Plasmodium lophurae: antibody-induced movement and capping of surface membranes of erythrocyte-free malarial parasites. Takahashi Y, et al. **Exp Parasitol** 1980 Oct; 50(2):201-11

Plasmodium knowlesi variant antigens are found on schizont-infected erythrocytes but not on merozoites. Hommel M, et al. **Infect Immun** 1981 Jul;33(1):275-84

Monoclonal antibodies to stage-specific, species-specific, and cross-reactive antigens of the rodent malarial parasite, Plasmodium yoelii. Taylor DW, et al. **Infect Immun** 1981 May;32(2):563-70

Immunity to Plasmodium chabaudi adami in the B-cell-deficient mouse. Grun JL, et al. **Nature** 1981 Mar 12;290(5802):143-5

Release of radio-isotope labelled antigens from Plasmodium knowlesi during merozoite re-invasion in vitro. McColm AA, et al. **Parasitology** 1980 Aug;81(1):199-209

Anti-gamete monoclonal antibodies synergistically block transmission of malaria by preventing fertilization in the mosquito. Rener J, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6797-9

The development and validation of an enzyme linked immunosorbent assay for malaria. Quakyi IA. **Tropenmed Parasitol** 1980 Sep;31(3):325-33

Double diffusion analysis of antigens released from Plasmodium knowlesi in vitro. McColm AA, et al. **Z Parasitenkd** 1981;64(3):353-7

ISOLATION & PURIFICATION

The 48-hour exoerythrocytic stage of Plasmodium cynomolgi bastianellii. Krotoski WA, et al. **Am J Trop Med Hyg** 1981 Jan;30(1):31-7

Occurrence of avian malaria parasite species with resemblance to Plasmodium (Novyella) hexamerium outside its recorded habitat. Gajanana A, et al. **Indian J Med Res** 1980 Oct;72:492-6

The saurian malarias of Venezuela: Plasmodium species from iguanid and teiid hosts. Telford SR Jr. **Int J Parasitol** 1980 Nov-Dec;10(5-6):365-74

Long term cultivation of a simian malaria parasite (Plasmodium knowlesi) in a semi-automated apparatus. Wickham JM, et al. **Trans R Soc Trop Med Hyg** 1980; 74(6):789-92

[Malarial indices in 938 children and adolescents in the humid savanna area of the south of Mali] Chabasse D, et al. **Bull Soc Pathol Exot Filiales** 1980 May-Jun;73(3):254-8 **(Fre)**

METABOLISM

Analysis of proteins synthesized in vitro by the erythrocytic stages of Plasmodium knowlesi. McColm AA, et al. **Parasitology** 1980 Aug;81(1):177-98

PATHOGENICITY

Susceptibility of Peruvian Aotus monkeys to infection with different species of Plasmodium. Collins WE, et al. **Am J Trop Med Hyg** 1981 Jan;30(1):26-30

Some aspects on certain pathogenic agents in malaria. Onabanjo AO. **Bull Soc Pathol Exot Filiales** 1980 May-Jun; 73(3):247-54

Invasion of erythrocytes by malaria merozoites: evidence for specific receptors involved in attachment and entry. Howard RJ, et al. **Ciba Found Symp** 1980 May 13-15; 80:202-19 (30 ref.)

In vitro invasion of Macaca assamensis erythrocytes by Plasmodium knowlesi merozoites. Mishra GC, et al. **Indian J Exp Biol** 1980 May;18(5):486-8

Infectivity of plasmodium gallinaceum sporozoites from oocysts. Daher VR, et al. **J Protozool** 1980 Nov;27(4):440-2

Inhibition of malaria parasite invasion into erythrocytes pretreated with membrane-active drugs. McColm AA, et al. **Mol Biochem Parasitol** 1980 Apr;1(2):119-27

Variable expression of virulence in the rodent malaria parasite Plasmodium yoelii yoelii. Knowles G, et al. **Parasitology** 1980 Aug;81(1):211-9

Transbilayer phospholipid asymmetry in Plasmodium knowlesi-infected host cell membrane. Gupta CM, et al. **Science** 1981 May 29;212(4498):1047-9

PHYSIOLOGY

Preliminary observations on the cell surface of Plasmodium gallinaceum sporozoites. Turner DP. **Trans R Soc Trop Med Hyg** 1981;75(1):176-8

[New data on the circadian cycle of Plasmodium. Preliminary note] Landau I, et al. **C R Acad Sci [D] (Paris)** 1980 Dec 8;291(12):985-8 (Eng. Abstr.) **(Fre)**

[Experimental production of variants with lowered preference for polychromatophilic erythrocytes in Plasmodium yoelii (author's transl)] Büngener W. **Tropenmed Parasitol** 1980 Jun;31(2):209-12 (Eng. Abstr.) **(Ger)**

RADIATION EFFECTS

Vaccination of chicks against Plasmodium gallinaceum by erythrocytic and exoerythrocytic parasites attenuated by gamma irradiation. Hughes HP, et al. **Ann Trop Med Parasitol** 1980 Apr;74(2):115-26

ULTRASTRUCTURE

Nucleosomal organization of chromatin in Plasmodium knowlesi. Wunderlich F, et al. **J Parasitol** 1980 Dec; 66(6):1063-5

PLASMODIUM BERGHEI

Studies on susceptibility to Plasmodium berghei in a normal vector population of Anopheles atroparvus after the introduction of plasmodium-refractory genotypes: the establishment of the vector population with overlapping generations. Cornelissen AW, et al. **Acta Leiden** 1979; 47:79-88

A genetic study of the susceptibility of Anopheles gambiae to Plasmodium berghei. Al-Mashhadani HM, et al. **Trans R Soc Trop Med Hyg** 1980;74(5):585-94

ANALYSIS

Evaluation of Plasmodium berghei for endotoxin by the Limulus lysate assay. Felton SC, et al. **J Parasitol** 1980 Oct;66(5):846-7

DRUG EFFECTS

Action of chymotrypsin on experimental Plasmodium berghei infection in albino mice. Bastardo T, et al. **Acta Cient Venez** 1980;31(6):48-52

Selection of a sulphanilamide resistant strain of Plasmodium berghei. Kazim M, et al. **Indian J Med Res** 1980 Nov; 72:632-6

ENZYMOLOGY

Chloroquine resistant malaria: association with enhanced plasmodial protease activity. Mahoney JR, et al. **Biochem Biophys Res Commun** 1981 Jun 16;100(3):1266-71

Pyrimidine biosynthesis in Plasmodium berghei. Hill B, et al. **Int J Biochem** 1981;13(3):303-10

GROWTH & DEVELOPMENT

The effect of cryopreservation on gametocytogenesis of Plasmodium berghei berghei: a preliminary report. Mons B, et al. **Acta Leiden** 1980;48:9-16

An ultrastructural study of developing stages of exo-erythrocytic Plasmodium berghei in rat hepatocytes. Meis JF, et al. **Parasitology** 1981 Apr;82(Pt 2):195-204

In vitro cultivation of the exoerythrocytic stage of Plasmodium berghei from sporozoites. Hollingdale MR, et al. **Science** 1981 Aug 28;213(4511):1021-2

Culture of the liver stages (exoerythrocytic schizonts) of rodent malaria parasites from sporozoites in vitro. Sinden RE, et al. **Trans R Soc Trop Med Hyg** 1980;74(1):134-6

IMMUNOLOGY

Cold isohaemagglutinins in Plasmodium berghei-infected rats reacting with parasitized reticulocytes. Brown KN, et al. **Bull WHO** 1980;58(3):449-57

Plasmodium berghei: the in vitro immune response. Norby SW, et al. **Exp Parasitol** 1981 Feb;51(1):104-15

Glucan-enhanced immunogenicity of killed erythrocyte stages of Plasmodium berghei. Holbrook TW, et al. **Infect Immun** 1981 May;32(2):542-6

Host defenses in murine malaria: failure of vaccination with formolized blood parasites to protect athymic mice from Plasmodium berghei. Murphy JR, et al. **Infect Immun** 1980 Aug;29(2):827-30

Effect of route of Mycobacterium bovis BCG administration on induction of suppression of sporozoite immunity in rodent malaria. Smrkovski LL. **Infect Immun** 1981 Jan; 31(1):408-12

Active immunization and passive transfer of resistance against sporozoite-induced malaria in infant mice. Orjih AU, et al. **Nature** 1981 May 28;291(5813):331-2

Immunosuppression in murine malaria. IV. The secondary response to bovine serum albumin. Strambachová-McBride J, et al. **Parasite Immunol** 1979 Summer;1(2):141-57

ISOLATION & PURIFICATION

A simple method for separation of uninfected erythrocytes from those infected with Plasmodium berghei and for isolation of artificially released parasites. Nillni EA, et al. **Z Parasitenkd** 1981;64(3):279-84

METABOLISM

Biosynthesis of uridine monophosphate in Plasmodium berghei. O'Sullivan WJ, et al. **Ann Trop Med Parasitol** 1980 Apr;74(2):109-14

Sequestration of the chloroquine receptor in cell-free preparations of erythrocytes infected with Plasmodium berghei. Fitch CD, et al. **Antimicrob Agents Chemother** 1981 Apr;19(4):589-92

Plasmodium berghei: glycolytic intermediate concentrations of the infected mouse erythrocyte. Sander BJ, et al. **Exp Parasitol** 1981 Aug;52(1):1-8

Binding of antimalarial drugs to hemozoin from Plasmodium berghei. Jearnpipatkul A, et al. **Experientia** 1980 Sep 15; 36(9):1063-4

PHYSIOLOGY

[Some patterns of the in vivo Plasmodium berghei entry into erythrocytes as revealed by scanning electron microscopy (author's transl)] Gorenflot A, et al. **Ann Pharm Fr** 1981 Feb;38(5):421-7 (Eng. Abstr.) **(Fre)**

PLASMODIUM FALCIPARUM

Plasmodium falciparum strains from Papua New Guinea: culture characteristics and drug sensitivity. Chen P, et al. **Southeast Asian J Trop Med Public Health** 1980 Dec; 11(4):435-40

Infection of Anopheles freeborni by gametocytes of cultured Plasmodium falciparum. Campbell CC, et al. **Trans R Soc Trop Med Hyg** 1980;74(5):668-9

Studies on the use of a membrane feeding technique for infecting Anopheles gambiae with Plasmodium falciparum. Graves PM. **Trans R Soc Trop Med Hyg** 1980;74(6):738-42

ANALYSIS

Analysis of protein variation in Plasmodium falciparum by two-dimensional gel electrophoresis. Tait A. **Mol Biochem Parasitol** 1981 Feb;2(3-4):205-18

CYTOLOGY

[Post-transfusion malaria (Plasmodium falciparum) and carcinoma under chemotherapy: unusual cytology of the parasite] Gorenflot A, et al. **Bull Soc Pathol Exot Filiales** 1980 Jul-Aug;73(4):418-23 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Prevalence of chloroquine-resistant falciparum malaria in the Brazilian Amazon. Ferraroni JJ, et al. **Am J Trop Med Hyg** 1981 May;30(3):526-30

Clinical drug-resistant falciparum malaria acquired from cultured parasites. Jensen JB, et al. **Am J Trop Med Hyg** 1981 May;30(3):523-5

Antimalarial activity of quassinoids against chloroquine-resistant Plasmodium falciparum in vitro.

Trager W, et al. **Am J Trop Med Hyg** 1981 May;30(3):531–7

Plasmodium falciparum resistance to pyrimethamine and chlorproguanil — host or parasite dependent? Björkman A, et al. **Ann Trop Med Parasitol** 1980 Apr;74(2):245–8

A case of P. falciparum malaria in Thailand apparently resistant to quinine. Migasena S, et al.
Ann Trop Med Parasitol 1980 Apr;74(2):243–4

Decrease in susceptibility of Plasmodium falciparum to mefloquine in continuous culture. Brockelman CR, et al. **Bull WHO** 1981;59(2):249–52

Pyrimethamine sensitivity in Plasmodium falciparum: determination in vitro by a modified 48–hour test. Nguyen-Dinh P, et al. **Bull WHO** 1980;58(6):909–12

Pyrimethamine susceptibility status of p. falciparum in Karbi–Anglong district of Assam and Adilabad District of Andhra Pradesh. Das S, et al. **J Commun Dis** 1980 Sep; 12(3):126–33

Field incubator for measuring drug susceptibility of Plasmodium falciparum. Eastham GM, et al.
J Trop Med Hyg 1981 Feb;84(1):27–8

Study of Plasmodium falciparum resistance to 4–Aminoquinolines (Chloroquine) in Sabah, Malaysia. Maqsudur Rahman KM. **J Trop Med Hyg** 1980 Dec; 83(6):259–64

Malaria: are we prepared? [editorial] Clayman CB, et al.
JAMA 1981 Aug 28;246(9):989

Failure of Chloroquine prophylaxis in Plasmodium falciparum from East Africa. Gardner AL, et al.
JAMA 1981 Aug 28;246(9):979–80

Malaria prophylaxis when visiting areas of East Africa with chloroquine resistance [letter] Bengtsson E, et al.
Lancet 1981 Aug 1;2(8240):249

Fansidar–resistant falciparum malaria in Papua New Guinea [letter] Darlow B, et al. **Lancet** 1980 Dec 6;2(8206):1243

Drug resistant strains of Plasmodium falciparium in Papua New Guinea [letter] Darlow B, et al. **Lancet** 1981 Feb 14; 1(8216):386

Resistance of Plasmodium falciparum malaria to sulfadoxine–pyrimethamine ('Fansidar') in a refugee camp in Thailand. Hurwitz ES, et al. **Lancet** 1981 May 16; 1(8229):1068–70

Fansidar–resistant falciparum malaria in Papua New Guinea [letter] Nurse GT. **Lancet** 1981 Jan 3;1(8210):36–7

Chloroquine–resistant falciparum malaria [letter] Black RH. **Med J Aust** 1980 May 17;1(10):493–4

Chloroquine resistance in the south–west Pacific [letter] Parkinson AD, et al. **Med J Aust** 1980 Nov 29;2(11):637–8

Chloroquine resistant Plasmodium falciparum malaria in East New Britain, Papua New Guinea. Tulloch A.
Papua New Guinea Med J 1980 Sep;23(3):117–25

Effect of a single dose of primaquine on a Thai strain of Plasmodium falciparum. Chomcharn Y, et al.
Southeast Asian J Trop Med Public Health 1980 Sep; 11(3):408–12

Chloroquine resistant Plasmodium falciparum infection from Lampung and South Sumatra, Indonesia. Pribadi W, et al.
Southeast Asian J Trop Med Public Health 1981 Mar; 12(1):69–73

In vitro microtechnique for determining the drug susceptibility of cultured parasites of Plasmodium falciparum. Yisunsri L, et al.
Trans R Soc Trop Med Hyg 1980;74(6):809–10

Chloroquine sensitivity of isolates of Plasmodium falciparum adapted to in vitro culture. Ponnudurai T, et al.
Trop Geogr Med 1981 Mar;33(1):50–4

Effect of physostigmine on Plasmodium falciparum in culture. Hempelmann E, et al. **Tropenmed Parasitol** 1981 Mar;32(1):48–50

[Chloroquine–resistant Plasmodium falciparum malaria from Tanzania sensitivity tested in vivo] Olsen VV, et al.
Ugeskr Laeger 1981 13 Apr;143(16):1021–2 (Eng. Abstr.) **(Dan)**

[In vitro study of the sensitivity of Plasmodium falciparum to chloroquine] Le Bras J, et al.
Bull Soc Pathol Exot Filiales 1980 Jul–Aug;73(4):411–8 (Eng. Abstr.) **(Fre)**

[In vitro assessment of the sensitivity of P. falciparum to mefloquine (author's transl) (letter)] Druilhe P, et al.
Nouv Presse Med 1981 Feb 7;10(5):335 (Eng. Abstr.) **(Fre)**

[Various general aspects of of the problem of chloroquine–resistant Plasmodium falciparum malaria in the South–East Asia] Orlov VS. **Med Parazitol (Mosk)** 1980 Jul–Aug;49(4):11–5 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Detection of glucose–6–phosphate dehydrogenase in malarial parasites. Hempelmann E, et al. **Mol Biochem Parasitol** 1981 Feb;2(3–4):197–204

GROWTH & DEVELOPMENT

Comparative studies of three strains of Plasmodium falciparum isolated by the culture method of Trager and Jensen. Chin W, et al. **Am J Trop Med Hyg** 1980 Nov; 29(6):1143–6

Inhibitory effects of immune monkey serum on synchronized Plasmodium falciparum cultures. Chulay JD, et al.
Am J Trop Med Hyg 1981 Jan;30(1):12–9

Adaptation of a Nigerian strain of Plasmodium falciparum to Panamanian Aotus trivirgatus. Rossan RN, et al.
Am J Trop Med Hyg 1981 Jan;30(1):289–90

Impairment of the growth of Plasmodium falciparum in HbEE erythrocytes. Nagel RL, et al. **J Clin Invest** 1981 Jul;68(1):303–5

Correlation of Plasmodium falciparum gametocytemia with complement component titers in rural Nigerian school children. Ade–Serrano MA, et al. **J Clin Microbiol** 1981 Jan;13(1):195–8

A simple apparatus for large–scale production of Plasmodium falciparum in vitro. Jensen JB. **J Parasitol** 1981 Aug; 67(4):580–1

Use of rabbit serum in the cultivation of Plasmodium falciparum. Sax LJ, et al. **J Parasitol** 1980 Aug;66(4):621–4

Separation of malaria–infected erythrocytes from whole blood: use of a selective high–gradient magnetic separation technique. Paul F, et al. **Lancet** 1981 Jul 11;2(8237):70–1

Phagocytosis of P falciparum parasitised erythrocytes by peripheral monocytes [letter] Vernes A. **Lancet** 1980 Dec 13;2(8207):1297–8

Short term in vitro cultivation of malaria parasites in Papua New Guinea for preparation of biosynthetically–labelled parasite antigens. Brown GV, et al.
Papua New Guinea Med J 1979 Dec;22(4):37–42

Stage–specific proteins and glycoproteins of plasmodium falciparum: identification of antigens unique to schizonts and merozoites. Kilejian A. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3695–9

Cloning of naturally occurring mixed infections of malaria parasites. Rosario V. **Science** 1981 May 29;212(4498):1037–8

The interaction between sickle haemoglobin and the malarial parasite Plasmodium falciparum. Pasvol G.
Trans R Soc Trop Med Hyg 1980;74(6):701–5

Plasmodium falciparum in vitro culture: improvements using umbilical cord serum and medium modifications. Druilhe P, et al. **Tropenmed Parasitol** 1980 Dec;31(4):409–13

[Conditions for re–establishing the schizogonic rhythm of Plasmodium falciparum in vitro] Le Bras J, et al.
Bull Soc Pathol Exot Filiales 1981 Mar–Apr;74(2):233–4 **(Fre)**

IMMUNOLOGY

A longitudinal study of Plasmodium falciparum malaria in the West African savannah using the ELISA technique. Voller A, et al. **Bull WHO** 1980;58(3):429–38

Plasmodium falciparum: characterization of defined antigens by monoclonal antibodies. Perrin LH, et al.
Clin Exp Immunol 1980 Jul;41(1):91–6

Serum inhibition of merozoite dispersal from Plasmodium falciparum schizonts: indicator of immune status. Green TJ, et al. **Infect Immun** 1981 Mar;31(3):1203–8

Evaluation of in–vitro–cultured Plasmodium falciparum as antigen for malaria serology. Gupta MM, et al.
J Trop Med Hyg 1981 Aug;84(4):165–70

Malaria vaccines? [letter] Cohen S. **Nature** 1980 Nov 6; 288(5786):8

Inhibition of P. falciparum growth in human erythrocytes by monoclonal antibodies. Perrin LH, et al. **Nature** 1981 Jan 22;289(5795):301–3

Malaria antibody titres as measured by the indirect fluorescent antibody test in relation to parasitaemia and treatment. Pillay MR, et al.
Southeast Asian J Trop Med Public Health 1981 Mar; 12(1):111–3

Characterization of antigens from erythrocytic stages of Plasmodium falciparum reacting with human immune sera. Perrin LH, et al. **Trans R Soc Trop Med Hyg** 1981; 75(1):163–5

A case of congenital malaria in Malaysia with IgM malaria antibodies. Thomas V, et al.
Trans R Soc Trop Med Hyg 1980;74(1):73–6

ISOLATION & PURIFICATION

Isolation of Plasmodium falciparum merozoites from cultivated schizonts bound to concanavalin A. Billiault X, et al. **Ann Trop Med Parasitol** 1980 Apr;74(2):249–50

A comparison of static thin layer and suspension cultures for the maintenance in vitro of Plasmodium falciparum. Butcher GA. **Ann Trop Med Parasitol** 1981 Feb;75(1):7–17

A simple automated device for the maintenance of Plasmodium falciparum in suspension culture. Butcher GA.
Ann Trop Med Parasitol 1981 Feb;75(1):111–3

A simplified culture technique for Plasmodium falciparum. Osisany JO, et al. **Ann Trop Med Parasitol** 1981 Feb; 75(1):107–9

Elimination of yeast contamination from malaria cultures using 5–fluorocytosine. Osisanya JO, et al.
Ann Trop Med Parasitol 1980 Oct;74(5):559

METABOLISM

Labelling of membrane glycoproteins of cultivated Plasmodium falciparum. Udeinya IJ, et al. **Bull WHO** 1980; 58(3):445–8

PATHOGENICITY

Infectivity of a strain of Plasmodium falciparum from Hainan, People's Republic of China, to different anophelines. Collins WE, et al. **Am J Trop Med Hyg** 1981 May; 30(3):538–40

The increased susceptibility of young red cells to invasion by the malarial parasite Plasmodium falciparum. Pasvol G, et al. **Br J Haematol** 1980 Jun;45(2):285–95

Falciparum malaria–infected erythrocytes specifically bind to cultured human endothelial cells. Udeinya IJ, et al.
Science 1981 Jul 31;213(4507):555–7

PHYSIOLOGY

The red cell and the malarial parasite. Pasvol G, et al.
Br J Haematol 1980 Oct;46(2):165–70 (43 ref.)

Plasmodium falciparum: assay of invasion of erythrocytes. Lamont G, et al. **Exp Parasitol** 1981 Feb;51(1):74–9

Plasmodium falciparum: assay in vitro for inhibitors of merozoite penetration of erythrocytes. Weiss MM, et al.
Exp Parasitol 1981 Jun;51(3):400–7

PLASMODIUM INFECTIONS see **MALARIA**

PLASMODIUM MALARIAE

IMMUNOLOGY

[Correlation between ABO and Rh system blood groups and the presence of antibodies to Plasmodium malariae] Lysenko AIa, et al. **Med Parazitol (Mosk)** 1980 Sep–Oct; 49(5):48–51 (Eng. Abstr.) **(Rus)**

PLASMODIUM VIVAX

CYTOLOGY

Exflagellation of malarial parasites in human peripheral blood. Gerber JE, et al. **J Clin Microbiol** 1981 Jan; 13(1):236–7

GROWTH & DEVELOPMENT

Studies on the West Pakistan strain of Plasmodium vivax in Aotus monkeys and anopheline mosquitoes. Collins WE, et al. **J Parasitol** 1980 Oct;66(5):780–5

IMMUNOLOGY

Malaria antibody titres as measured by the indirect fluorescent antibody test in relation to parasitaemia and treatment. Pillay MR, et al.
Southeast Asian J Trop Med Public Health 1981 Mar; 12(1):111–3

PATHOGENICITY

Refractoriness of the slender loris, Loris tardigradus to Plasmodium vivax. Gajanana A, et al.
Indian J Med Res 1980 Oct;72:497–9

PHYSIOLOGY

The Madagascar strain of Plasmodium vivax. Shute PG, et al. **Arch Inst Pasteur Madagascar** 1980;47(1):173–83

[Obtaining intraerythrocytic forms of Plasmodium vivax by in vitro culture] Larrouy G, et al.
C R Acad Sci [D] (paris) 1981 May 4;292(16):929–30 (Eng. Abstr.) **(Fre)**

PLASMOSOME see **CELL NUCLEOLUS**

PLASTER CASTS see **CASTS, SURGICAL**

PLASTER OF PARIS see **CALCIUM SULFATE**

PLASTICIZERS

An investigation into the value of cholinesterase estimations of workers in a plant manufacturing tri–aryl phosphate plasticizers. Morgan AA, et al. **J Soc Occup Med** 1981 Apr;31(2):69–75

Neutralization of acid in glycol methacrylate and the use of cyclohexanol as a plasticizer. Frater R.
Stain Technol 1981 Mar;56(2):99–101

ANALYSIS

Novel source of ubiquitous phthalates as analytical contaminant [letter] Hooper WD, et al. **J Pharm Sci** 1981 Mar;70(3):346–7

BLOOD

Gas chromatographic–mass spectrometric detection of circulating plasticizers in surgical patients. Ching NP, et al. **J Chromatogr** 1981 Feb 13;222(2):171–7

TOXICITY

Phthalate plasticizers: accumulation and effects on weight and food consumption in captive starlings. O'Shea TJ, et al. **Bull Environ Contam Toxicol** 1980 Sep;25(3):345–52

[Hygienic evaluation of certain plasticizers] Statsek NK.
Gig Sanit 1980 Jun;(6):35–7 (Eng. Abstr.) **(Rus)**

[Toxicity and hazard of plasticizers] Timofievskaia LA.
Gig Sanit 1981 May;(5):87–9 **(Rus)**

[Hygienic evaluation of polyvinyl chloride stabilizers containing heavy metals] Vorob'eva RS, et al.
Gig Sanit 1981 Apr;(4):18–21 (Eng. Abstr.) **(Rus)**

PLASTICS

Controlled clinical trial of three suture materials for abdominal wall closure after bowl operations. Corman ML,

et al. **Am J Surg** 1981 Apr;141(4):510–13

Wear in plastic exhaust valves [letter] Morgan BA, et al. **Anaesthesia** 1980 Jul 7;35(7):717–8

Emergency abdominal wall reconstruction with polypropylene mesh: short-term benefits versus long-term complications. Voyles CR, et al. **Ann Surg** 1981 Aug; 194(2):219–23

Plastic-embedded human marrow biopsy specimens: improved histochemical methods. Moosavi H, et al. **Arch Pathol Lab Med** 1981 May;105(5):269–73

Kinetics of the aeration of ethylene-oxide sterilized plastics. Handlos V. **Biomaterials** 1980 Jul;1(3):149–57

Abdominal wound closure: a trial of Prolene and Dexon. Cameron AE, et al. **Br J Surg** 1980 Jul;67(7):487–8

The desirability of using radiopaque plastics in dentistry: a status report. Council on Dental Materials, Instruments, and Equipment. **J Am Dent Assoc** 1981 Mar;102(3):347–9

Container-derived contamination of maple sirup with methyl methacrylate, toluene, and styrene as determined by headspace gas–liquid chromatography. Hollifield HC, et al. **J Assoc Off Anal Chem** 1980 Mar;63(2):173–7

Discrepancies in the weight of plastic vials [letter] Fleck A, et al. **J Clin Pathol** 1980 Dec;33(12):1220–1

Plastics from the aspect of hygiene. A contribution to the estimation of ultra-violet absorbers and light stabilizers from the aspect of hygiene. Horáček J, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 1980; 24(2):133–41

Primary vascular anastomosis in growing pigs: comparison of polypropylene and polyglycolic acid sutures. Pae WE Jr, et al. **J Thorac Cardiovasc Surg** 1981 Jun;81(6):921–7

Fabrication of animal cage covers from thermoplastics. Amberg JW, et al. **Lab Anim Sci** 1980 Jun;30(3):586–8

Alloplastic materials for heart-valve prostheses. Baurschmidt P, et al. **Med Biol Eng Comput** 1980 Jul;18(4):496–502

Alpha and fission fragment autoradiography with superimposed tissue images in CR-39 plastic. Gore DJ, et al. **Phys Med Biol** 1980 Nov;25(6):1095–1104

Creep and flexibility measurements on plastic frames for tissue heart valves. Drury PJ, et al. **Thorac Cardiovasc Surg** 1981 Apr;29(2):105–7

Effect of plastic containers on liquid preservation of human granulocytes. I. With and without deoxyribonuclease and hydrocortisone. Contreras TJ, et al. **Transfusion** 1980 Sep–Oct;20(5):519–30

[The use of synthetic materials in medicine] Klopper PJ. **Ned Tijdschr Geneeskd** 1980 Sep 6;124(36):1503–10 **(Dut)**

[Action of ethylene oxide on plastic materials, silicones and rubbers (author's transl)] Chaigneau M. **Ann Pharm Fr** 1980 Oct;38(4):315–21 (Eng. Abstr.) **(Fre)**

[Plastic coating in the surgical treatment of intracranial aneurysms. Late results of twenty cases (author's transl)] Thierry A, et al. **Neurochirurgie** 1980;26(1):19–23 (Eng. Abstr.) **(Fre)**

[Long-term esthetic effect of the plastic-veneer tooth replacement] Hofmann M. **Dtsch Zahnaerztl Z** 1980; 35(9):849–58 (Eng. Abstr.) **(Ger)**

[Clinical results of studies of veneered crowns and pontics (a comparison of plastics/ceramics)] Meyer E, et al. **Dtsch Zahnaerztl Z** 1980;35(9):864–9 (Eng. Abstr.) **(Ger)**

[Long-term trial of water uptake by plastics] Schwickerath H. **Dtsch Zahnaerztl Z** 1980;35(10):931–3 (Eng. Abstr.) **(Ger)**

[Plastic veneering: a problem of the material and of the design] Windecker D. **Dtsch Zahnaerztl Z** 1980; 35(9):859–63 **(Ger)**

[Studies on the light transmittance of coloured plastic bottles for liquid pharmaceutical preparations. Part 43: Contributions to problems concerning the use of plastic containers for liquid pharmaceutical preparations (author's transl)] Beyrich T, et al. **Pharmazie** 1981 May;36(5):337–41 (Eng. Abstr.) **(Ger)**

[Studies on the reaction of plastics with drug solutions. Part 2: Nikethamide (author's transl)] Eichhorn M, et al. **Pharmazie** 1981;36(2):99–102 (Eng. Abstr.) **(Ger)**

[Quantitative determination of germs on wooden and plastic surfaces] Ruosch W. **Schweiz Arch Tierheilkd** 1981 Feb; 123(2):97–103 (Eng. Abstr.) **(Ger)**

[Retention of organic solvent vapors in plastic bags (Part 2) (author's transl)] Kudo M, et al. **Sangyo Igaku** 1980 Jul; 22(4):278–9 **(Jpn)**

[The use of polypropylene-polyester prostheses in cranioplasty] Gawlik JD, et al. **Polim Med** 1980; 10(4):215–23 (Eng. Abstr.) **(Pol)**

[Production of biodegradable plastics and the problems of protecting the environment] Zarembo OK, et al. **Gig Sanit** 1981 Feb;(2):55–6 **(Rus)**

[Current industrial hygiene problems in plastics manufacture (review of the literature)] Shevchenko AM, et al. **Gig Tr Prof Zabol** 1981 May;(5):24–8 (35 ref.) **(Rus)**

[Use of the log-linear regression method for evaluating the shelf life of air samples in fluoroplastic containers] Ryzhkova VE, et al. **Kosm Biol Aviakosm Med** 1981 Jun–Jul;15(4):76–8 **(Rus)**

[Immobilizing devices made of the thermoplastic material, Polyvik, in oral surgery] Kurakin AV, et al. **Stomatologiia (Mosk)** 1981 May–Jun;60(3):54–6 (Eng. Abstr.) **(Rus)**

[Effect of bacterial collagenases on the connective tissue around plastic implants during development of sarcoma] Eliseev VV. **Vopr Onkol** 1980;26(11):105–6 **(Rus)**

ADVERSE EFFECTS

Adverse effects caused by polypropylene and polyvinyl feline urinary catheters. Lees GE, et al. **Am J Vet Res** 1980 Nov; 41(11):1836–40

Irritant dermatitis from phenol-formaldehyde resin powder. Fregert S. **Contact Dermatitis** 1980 Dec;6(7):493

ANALYSIS

An improved method for the determination of low amounts of ethylene oxide in surgical plastics. Bicchi C, et al. **Farmaco [Prat]** 1980 Dec;35(12):632–41

Fourth interlaboratory study of methods for determining total migration of plastic materials in liquids simulating fatty foodstuffs. Rossi L. **J Assoc Off Anal Chem** 1981 May; 64(3):697–703

Formulation and evaluation of a hydrophobic composite plastic. Craig RG, et al. **J Oral Rehabil** 1980 Sep;7(5):361–8

Carbon monoxide toxicant from plastics and wood. Huttlinger PA, et al. **Proc West Pharmacol Soc** 1981; 24:251–4

[Comparative studies by scanning electron microscopy of the surface structure of polycarbonate film bases and PMMA denture bases (author's transl)] Schubert R, et al. **Zahn Mund Kieferheilkd** 1980;68(7):697–705 (Eng. Abstr.) **(Ger)**

[Analysis of laminates in plastic materials] Franchi G, et al. **Boll Chim Farm** 1979 Dec;118(12):764–70 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

Inhibition of Babesia spp. by plastics. Timms P. **Appl Environ Microbiol** 1981 Jan;41(1):17–9

[Physical properties of suture material made of polypropylene with olemorphocycline] Stolbovoĭ AV. **Voen Med Zh** 1981 Mar;(3):49 **(Rus)**

POISONING

['Plastic lung'. Broncho-pulmonary pathology related to plastics (author's transl)] Anthoine D, et al. **Poumon Coeur** 1980;36(2):135–46 (Eng. Abstr.) **(Fre)**

STANDARDS

Color stability and aging of plastic veneering materials. Powers JM, et al. **J Dent Res** 1981 Sep;60(9):1692–6

Remarks about some pharmacopoieal safety tests for plastics and elastomers. Jacker HJ. **Pol J Pharmacol Pharm** 1980 Jan–Feb;32(1):85–90

[The adhesiveness and surface quality of 3 different filling materials studied by means of the Hommel tester and REM films] Lässig HE, et al. **Dtsch Zahnaerztl Z** 1980; 35(4):498–502 (Eng. Abstr.) **(Ger)**

SUPPLY & DISTRIBUTION

Impact of oil shortage on plastic medical supplies. Clark GB, et al. **Public Health Rep** 1981 Mar–Apr;96(2):111–5

TOXICITY

Toxicologic evaluation of thermoplastic resins at and above processing temperatures. Sangha GK, et al. **Am Ind Hyg Assoc J** 1981 Jul;42(7):481–5

Chemical hazards in the plastics industry. Vainio H, et al. **J Toxicol Environ Health** 1980 Sep–Nov;6(5–6):1179–86

4th symposium on the toxicological testing for safety of new drugs. Part II. Plastic materials. **Pol J Pharmacol Pharm** 1980 Jan–Feb;32(1):63–124

Immunotoxic effects of dialkyltins used for stabilization of plastics. Hennighausen G, et al. **Pol J Pharmacol Pharm** 1980 Jan–Feb;32(1):119–24

Current problems in safety evaluation of plastics (introductory lecture). Homrowski S. **Pol J Pharmacol Pharm** 1980 Jan–Feb;32(1):65–75

Toxicity of plastic materials as evaluated by means of bull semen (preliminary report). Knasiak-Paluch D. **Pol J Pharmacol Pharm** 1980 Jan–Feb;32(1):109–14

Comparison of three methods of toxicity evaluation of medical plastics. Zabojszcz W, et al. **Pol J Pharmacol Pharm** 1980 Jan–Feb;32(1):99–102

In vitro screening studies of the toxicological testing of synthetic biomaterials. Introduction and comparative evaluation of a new method of testing applying breeding bull semen. Paluch D, et al. **Polim Med** 1980;10(4):193–204

[Toxicity of combustion products of plastics. IV. Aminoplastes (author's transl)] Agneray C, et al. **Ann Pharm Fr** 1980;38(2):119–22 (Eng. Abstr.) **(Fre)**

[Polypropylene-polyester prostheses. Experimental studies] Staniszewska J. **Polim Med** 1980;10(4):205–14 (Eng. Abstr.) **(Pol)**

[Medical toxicology problems of the plastics used in water supply systems] Sheftel' VO. **Gig Sanit** 1981 Jan;(1):76–8 **(Rus)**

[Hygienic evaluation of polymeric thermal insulating structures for refrigeration installations] Velikaia NV. **Vrach Delo** 1980 Jul;(7):96–8 **(Rus)**

PLASTOCYANIN see under **PLANT PROTEINS**

PLASTOQUINONE see under **QUINONES**

PLATELET ADHESIVENESS

Platelet adhesion and myointimal proliferation in canine pulmonary arteries. Schaub RG, et al. **Am J Pathol** 1981 Jul;104(1):13–22

Platelet adhesion and release: interfacial concentration of released materials. Adams GA, et al. **Am J Physiol** 1981 Jan;240(1):H99–108

Comparison of platelet adherence and aggregation in modified human umbilical vein and autogenous vein grafts. Roedersheimer LR, et al. **Am J Surg** 1980 Nov;140(5):591–5

Serum complement and blood platelet adhesiveness in acute canine ehrlichiosis. Lovering SL, et al. **Am J Vet Res** 1980 Aug;41(8):1266–71

Platelet adhesiveness: methodology for testing in humans. Jacobi E, et al. **Angiology** 1981 Apr;32(4):243–8

Evaluation of plasma polymerized hexamethylcyclotrisiloxane biomaterials towards adhesion of canine platelets and leucocytes. Chawla AS. **Biomaterials** 1981 Apr;2(2):83–8

Platelet adherence to collagen: role of plasma, ADP, and divalent cations. Cowan DH, et al. **Br J Haematol** 1981 Feb;47(2):257–67

Surface thermodynamics of leukocyte and platelet adhesion to polymer surfaces. Neumann AW, et al. **Cell Biophys** 1979 MAR;1(1):79–92

Normal platelet adhesiveness and aggregation in congenital PTA or Hageman factor deficiency. Girolami A, et al. **Folia Haematol (Leipz)** 1980;107(3):487–91

Platelet adhesiveness, plasma fibrinogen, and fibrinolytic activity in juvenile-onset and maturity-onset diabetes mellitus. Sharma SC. **J Clin Pathol** 1981 May;34(5):501–3

Platelet adhesion and mural platelet thrombus formation on aortic subendothelium of rats, rabbits, and guinea pigs correlate negatively with the vascular PGI2 production. Tschopp TB, et al. **J Lab Clin Med** 1981 Sep;98(3):402–11

An evaluation of membrane glycoproteins in platelet adhesion and aggregation. Phillips DR. **Prog Hemost Thromb** 1980;5:81–109

The use of correlative SEM and TEM to study thrombocyte and platelet adhesion to artificial surfaces. Lewis JC, et al. **Scan Electron Microsc** 1980;(3):189–202

Platelet adhesiveness, plasma fibrinogen and fibrinolytic activity in diabetes mellitus [letter] Sharma SC. **Thromb Haemost** 1981 Feb 23;45(1):100

Endothelial cell cultures of fibrillar collagen: partial reconstitution of the vessel wall and platelet adhesion. Leytin VL, et al. **Thromb Res** 1980 Dec 1–15; 20(5–6):509–20

A new method for estimation of adhesiveness of blood platelets. Miura Y, et al. **Thromb Res** 1981 Mar;21(6):631–40

Platelet adherence to subendothelium of human arteries in pulsatile and steady flow. Sakariassen KS, et al. **Thromb Res** 1980 Aug 15–Sep 1;19(4–5):547–59

Platelet adhesiveness in temporary residents of high altitude. Sharma SC. **Thromb Res** 1981 Mar;21(6):685–7

Important factors affecting initial blood–material interactions. Cumming RD. **Trans Am Soc Artif Intern Organs** 1980; 26:304–8

Role of complement activation in cell adhesion to polymer blood contact surfaces. Herzlinger GA, et al. **Trans Am Soc Artif Intern Organs** 1980;26:165–71

Platelet–foreign surface interactions: the release reaction from singly adherent platelets and adherent platelet aggregates. Whicher SJ, et al. **Trans Am Soc Artif Intern Organs** 1980;26:268–73

Platelet dysfunction and migraines [letter] Kudrow L. **West J Med** 1981 May;134(5):454–5

[Prevention and treatment of disseminated intravascular coagulopathy. Conclusions] Sparacia A. **Minerva Anestesiol** 1980 Jul;46(7):863–8 **(Ita)**

[Platelet adhesiveness in various heart diseases] Niedworok J, et al. **Pol Tyg Lek** 1980 Aug 18;35(33):1265–7 (Eng. Abstr.) **(Pol)**

[Model system for studying thrombocyte interaction with the reconstructed vascular wall] Sviridov DD, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1981;4(1):28–36 (Eng. Abstr.) **(Rus)**

[Micromethod of determining the thrombocyte adhesiveness of capillary blood] Chekalina SI. **Lab Delo** 1980;(10):613–5 (Eng. Abstr.) **(Rus)**

[Change in thrombocyte adhesive and aggregation properties in hemorrhagic vasculitis in children] Kozarezova TI, et al. **Pediatriia** 1980 Jul;(7):46–9 **(Rus)**

DRUG EFFECTS

Platelet adsorption-source of error in reference controls. Ryan WL, et al. **Am J Med Technol** 1980 Sep;46(9):665–7

Effect of prostaglandin I2 on platelet adhesion. Fésüs L, et al. **Biomaterials** 1981 Jan;2(1):53–4

The effects of four platelet inhibitors on human platelets using two adhesiveness test systems. McIntyre BA, et al. **Can J Physiol Pharmacol** 1980 Jun;58(6):699–705

Human plasma fibronectin promotes the adhesion and spreading of platelets on surfaces coated with fibrillar collagen. Koteliansky VE, et al. **FEBS Lett** 1981 Jan 12; 123(1):59–62

Deposition of human labeled platelets to damaged rabbit aorta before and after use of sulfinpyrazone in patients with acute myocardial infarction. Jaeger S, et al. **Haemostasis** 1980;9(5):257–62

Effect of three dosage schedules of flurbiprofen on platelet

function and coagulation. Gupta KC, et al. **Indian J Med Res** 1980 Sep;72:434–40

[The effect of some beta-blocking drugs on plasma renin activity, platelet adhesiveness and dilute blood clot lysis time in patients with essential arterial hypertension. Vlaicu R, et al. **Med Interne** 1980 Jul–Sep;18(3):247–51

Effect of sulphinpyrazone and aspirin on platelet adhesion to subendothelium following oral administration to rabbits. Davies JA, et al. **Thromb Res** 1981 Feb–Mar;21(4–5):329–37

The effect of human fibronectin on platelet–collagen adhesion. Sochynsky RA, et al. **Thromb Res** 1980 May 1–15;18(3–4):521–33

[Effect of the antirheumatic drug Sulindac on thrombocyte function (author's transl)] Schenk H, et al. **Wien Med Wochenschr** 1980 May 31;130(10):344–9 (Eng. Abstr.) **(Ger)**

[Hormonal contraceptives of differentiated composition — effects on thrombocyte function (author's transl)] Brandt M, et al. **Zentralbl Gynaekol** 1981;103(11):631–43 (Eng. Abstr.) **(Ger)**

[Effects of oral glucose load on blood lipids and on platelet function] Carleo R, et al. **Boll Soc Ital Biol Sper** 1980 May 15;56(9):853–9 (Eng. Abstr.) **(Ita)**

[Effect of elastase on platelet adhesiveness and platelet aggregation (author's transl)] Kobayashi T, et al. **Rinsho Byori** 1981 Mar;29(3):295–8 **(Jpn)**

[Blood platelet function before and after dipyridamole in patients on chronic hemodialysis] Twardowski Z, et al. **Pol Arch Med Wewn** 1980 Apr;63(4):383–91 (Eng. Abstr.) **(Pol)**

[Effect of persantin on selected platelet functions in myocardial infarct] Markiewicz M, et al. **Pol Tyg Lek** 1980 Sep 1;35(35):1343–5 (Eng. Abstr.) **(Pol)**

[Thrombocyte adhesion to a surface coated with fibrillar collagen. Detection of the thrombogeneity of spread thrombocyte subpopulations] Leitin VL, et al. **Dokl Akad Nauk SSSR** 1981;256(1):234–8 **(Rus)**

RADIATION EFFECTS

Stimulated VLF-fields as a risk factor of thrombosis. Jacobi E, et al. **Int J Biometeorol** 1981 Jun;25(2):133–42

PLATELET AGGREGATION

Abnormal platelet aggregation measured by screen filtration pressure (sfp) in coronary heart disease: a new risk factor? Pagnan A, et al. **Acta Cardiol (Brux)** 1980;35(6):437–44

The role of platelets in post-traumatic pulmonary insufficiency. Vaage J. **Acta Chir Scand [Suppl]** 1980;Suppl 499:141–59

One, two, three or more pathways for platelet aggregation. Vargaftig BB, et al. **Acta Med Scand [Suppl]** 1980;642:23–9

Platelet aggregation and fibrinolytic activity in young alcoholics. Lee K, et al. **Acta Neurol Scand** 1980 Nov; 62(5):287–92

Collagen-induced platelet aggregation and bleeding time in adolescent idiopathic scoliosis. Udén A, et al. **Acta Orthop Scand** 1980 Oct;51(5):773–7

Acquired storage pool deficiency with increased platelet-associated IgG. Report of five cases. Weiss HJ, et al. **Am J Med** 1980 Nov;69(5):711–7

Comparison of platelet adherence and aggregation in modified human umbilical vein and autogenous vein grafts. Roedersheimer LR, et al. **Am J Surg** 1980 Nov;140(5):591–5

Plasma clot-promoting effect of collagen in relation to collagen–platelet interaction. Gentry PA, et al. **Am J Vet Res** 1981 May;42(5):708–15

Platelet aggregation in patients with Moyamoya disease. Maki Y, et al. **Angiology** 1981 Aug;32(8):522–8

Platelet aggregation measured by the screen filtration pressure method in hypertensive patients. Pagnan A, et al. **Angiology** 1980 Nov;31(11):760–6

The role of pnospholipids in platelet function. Morin RJ. **Ann Clin Lab Sci** 1980 Nov–Dec;10(6):463–73 (79 ref.)

Pathophysiology of platelet-aggregating von Willebrand factor: applications of the venom coagglutinin vWF assay. Brinkhous KM, et al. / **an NY Acad Sci** 1981;370:191–204 (38 ref.)

Species specificity in von Willebrand factor-supported platelet agglutination. Johnson GS, et al. **Ann NY Acad Sci** 1981;370:227–35

Abnormal platelet function in myeloproliferative disorders. Waddell CC, et al. **Arch Pathol Lab Med** 1981 Aug; 105(8):432–5

C7 deficiency, abnormal platelet aggregation, and rheumatoid arthritis. Alcalay M, et al. **Arthritis Rheum** 1981 Jan; 24(1):102–3

Present concepts on the mechanisms of platelet aggregation. Vargaftig BB, et al. **Biochem Pharmacol** 1981 Feb 15; 30(4):263–71 (84 ref.)

'In vitro' inhibition of platelet aggregation by uremic middle molecules. Gallice P, et al. **Biomedicine** 1980;33(6):185–8

Inhibition of von Willebrand factor–dependent platelet function by increased platelet cyclic AMP and its prevention by cytoskeleton–disrupting agents. Coller BS. **Blood** 1981 May;57(5):846–55

Preaggregation reactions of platelets. Gear AR. **Blood** 1981 Sep;58(3):477–90

Plasma levels of beta-thromboglobulin and platelet factor 4 as indices of platelet activation in vivo. Kaplan KL, et al. **Blood** 1981 Feb;57(2):199–202 (37 ref.)

Effects of platelet inhibitors on the platelet aggregation induced by plasma from patients with thrombotic thrombocytopenic purpura. Lian EC, et al. **Blood** 1981 Aug;58(2):354–9

Evidence for the inhibitory role of guanosine 3', 5'-monophosphate in ADP-induced human platelet aggregation in the presence of nitric oxide and related vasodilators. Mellion BT, et al. **Blood** 1981 May; 57(5):946–55

Platelet sialic acid and platelet survival after aggregation by ADP. Packham MA, et al. **Blood** 1980 Nov;56(5):876–80

Fibrinogen receptor exposure and aggregation of human blood platelets produced by ADP and chilling. Peerschke EI, et al. **Blood** 1981 Apr;57(4):663–70

Interaction of platelet plasma membranes with thrombin-activated platelets. Prasanna HR, et al. **Blood** 1981 Feb;57(2):305–12

Crotalocytin: characterization of the timber rattlesnake platelet activating protein. Schmaier AH, et al. **Blood** 1980 Dec;56(6):1020–8

Crotalocytin: recognition and purification of a timber rattlesnake platelet aggregating protein. Schmaier AH, et al. **Blood** 1980 Dec;56(6):1013–9

Platelet aggregation index assay in the progress of physiological delivery. Preliminary account. de Siena M, et al. **Boll Soc Ital Biol Sper** 1980 Jul 30;56(14):1469–73

Platelet aggregation induced by ADP from unsheared erythrocytes at physiological Ca+ +-concentration. Aursnes I, et al. **Br J Haematol** 1981 Jan;47(1):149–52

Decreased association of 45calcium with platelets unable to aggregate due to thrombasthenia or prolonged calcium deprivation. Peerschke EI, et al. **Br J Haematol** 1980 Oct; 46(2):247–56

Von Willebrand's syndrome with abnormal platelet aggregation correctable by cryoprecipitate. Sheridan BL, et al. **Br J Haematol** 1980 Jun;45(2):353–5

The abilities of human blood platelets to bind extracellular calcium and to be aggregated by adenosine diphosphate are related. Taylor PM, et al. **Br J Haematol** 1980 Sep; 46(1):115–22

Platelet aggregation in pregnancy [letter] Dandona P, et al. **Br Med J [Clin Res]** 1981 Feb 7;282(6262):479

Evidence that antibodies to polysaccharide alter platelet responses to endotoxin in tolerant rabbits. Walker RI, et al. **Can J Microbiol** 1980 Oct;26(10):1241–6

Electronmicroscopic observations of traditional Chinese medicine influence on changes in platelet aggregation in central retinal vein occlusion. Zhang HR. **Chin Med J [Engl]** 1981 May;94(5):319–24

Alteration of platelet reactivity following a shock-inducing procedure in pigs. Longenecker GL, et al. **Circ Shock** 1980; 7(3):309–15

Transmyocardial platelet behavior in CAD [letter] Dalal JJ, et al. **Circulation** 1981 Apr;63(4):969–70

Increased plasma concentrations of platelet factor 4 in coronary artery disease: a measure of in vivo platelet activation and secretion. Levine SP, et al. **Circulation** 1981 Sep;64(3):626–32

Platelet activating factor: an inhibitor of neutrophil activation? O'Donnell MC, et al. **Clin Exp Immunol** 1981 Jan;43(1):135–42

Platelet aggregation and beta-thromboglobulin levels in nephrotic patients with and without thrombosis. Kuhlmann U, et al. **Clin Nephrol** 1981 May;15(5):229–35

Beta-thromboglobulin and platelet aggregates in glomerulonephritis. Woo KT, et al. **Clin Nephrol** 1980 Aug; 14(2):92–5

Relation of naproxen kinetics to effect on platelet prostaglandin release in men and dysmenorrheic women. Tomson G, et al. **Clin Pharmacol Ther** 1981 Feb; 29(2):168–73

Platelet aggregation and coagulation in the pathogenesis of diabetic retinopathy in rats. Ishibashi T, et al. **Diabetes** 1981 Jul;30(7):601–6

Platelet aggregation in the cerebral and mesenteric microcirculation of mice with genetically determined diabetes. Rosenblum WI, et al. **Diabetes** 1981 Feb; 30(2):89–92

Platelet antiaggregating activity in the salivary secretion of the blood sucking bug Rhodnius prolixus. Ribeiro JM, et al. **Experientia** 1981 Apr 15;37(4):384–6

Normal platelet adhesiveness and aggregation in congenital PTA or Hageman factor deficiency. Girolami A, et al. **Folia Haematol (Leipz)** 1980;107(3):487–91

Recent concepts on platelet function and dietary lipids in coronary thrombosis, vasospasm and angina. Lands WE, et al. **Herz** 1980 Feb;5(1):34–41

Effect of gram-negative bacterial lipopolysaccharide-derived polysaccharides, glycolipids, and lipopolysaccharides on rabbit and human platelets in vitro. Abdelnoor AM, et al. **Immunobiology** 1980 Jul;157(2):145–53

Release of platelet-activating factor (PAF) and histamine. II. The cellular origin of human PAF: monocytes, polymorphonuclear neutrophils and basophils. Camussi G, et al. **Immunology** 1981 Feb;42(2):191–9

Platelet-activating factor in anaphylaxis and phagocytosis. I. Release from human peripheral polymorphonuclears and monocytes during the stimulation by ionophore A23187 and phagocytosis but not from degranulating basophils. Sánchez-Crespo M, et al. **Immunology** 1980 Aug; 40(4):645–55

Interaction of rat platelets with Listeria monocytogenes. Czuprynski CJ, et al. **Infect Immun** 1981 Jul;33(1):103–8

Changes in the cytoskeletal structure of human platelets following thrombin activation. Jennings LK, et al. **J Biol Chem** 1981 Jul 10;256(13):6927–32

Platelet activation and microfilament bundling. Gonnella PA, et al. **J Cell Biol** 1981 Apr;89(1):146–51

Identification of membrane proteins mediating the interaction of human platelets. Phillips DR, et al. **J Cell Biol** 1980 Jul;86(1):77–86

Platelet aggregation and release associated with immune complex formation in pig plasma. Clark WF, et al. **J Lab Clin Med** 1980 Oct;96(4):654–65

Fibronectin in von Willebrand's disease and thrombasthenia: role in platelet aggregation. Cohen I, et al. **J Lab Clin Med** 1981 Jan;97(1):134–40

Influence of platelet count and size on aggregation studies. Holme S, et al. **J Lab Clin Med** 1981 May;97(5):623–30

The interaction of platelets, tumor cells, and vascular subendothelium. Marcum JM, et al. **J Lab Clin Med** 1980 Dec;96(6):1046–53

Effect of complement on collagen-induced platelet aggregation. Tiffany ML, et al. **J Lab Clin Med** 1980 Nov; 96(5):796–802

Platelet lipid composition and platelet aggregation in human liver disease. Owen JS, et al. **J Lipid Res** 1981 Mar; 22(3):423–30

Retinal vascular occlusion and thrombocyte aggregation. Heidrich H, et al. **J Med** 1980;11(2–3):127–31

Cerebral thrombosis, platelet aggregation and viral infection. Geller ML, et al. **J Med Soc NJ** 1981 Jun;78(6):439–41

The effect of an antiserotonin agent pizotifen on platelet aggregability in migraine patients. Mazal S, et al. **J Neurol Neurosurg Psychiatry** 1980 Dec;43(12):1137–40

Defective platelet aggregation in congenital agammaglobulinemia. Kim HC, et al. **J Pediatr** 1981 May; 98(5):780–3

Platelet abnormalities associated with massive autotransfusion. Moore EE, et al. **J Trauma** 1980 Dec; 20(12):1052–6

Garlic as a platelet inhibitor [letter] Boullin DJ. **Lancet** 1981 Apr 4;1(8223):776–7

Platelet aggregates and coronary spasm [letter] Dalal JJ, et al. **Lancet** 1980 Nov 22;2(8204):1146–7

Platelet aggregates in peripheral and coronary-sinus blood in patients with spontaneous coronary-artery spasm. Robertson RM, et al. **Lancet** 1980 Oct 18;2(8199):829–31

Platelet aggregates and malondialdehyde production by platelets during ergonovine-induced coronary spasm [letter] Salerno JA, et al. **Lancet** 1981 Feb 14;1(8216):381–2

The role of prostacyclin and thromboxane A2 in the regulation of platelet behaviour. Moncada S. **Mater Med Pol** 1980;12(3):207–12 (98 ref.)

The role of Aspergillus fumigatus antigens in blood coagulation and platelet function. Sheth NK, et al. **Microbios** 1980;28(112):91–6

Influence of the normal human forearm vascular bed on platelet aggregation, counts, size. Mehta P, et al. **Microvasc Res** 1981 Mar;21(2):229–33

Region of the C1q molecule involved in the interaction between platelets and subcomponent C1q of the first component of complement. Wautier JL, et al. **Mol Immunol** 1980 Nov;17(11):1399–405

Idiosyncratic platelet responses to human tumour cells. Bastida E, et al. **Nature** 1981 Jun 25;291(5817):661–2

Biosynthetic labelling of platelet activating factor from radioactive acetate by stimulated platelets. Chap H, et al. **Nature** 1981 Jan 22;289(5795):312–4

Fibrinogen is the receptor for the endogenous lectin of human platelets. Gartner TK, et al. **Nature** 1981 Feb 19; 289(5799):688–90

Platelet function of vitamin E deficient rats. Nishimura J, et al. **Nippon Ketsueki Gakkai Zasshi** 1980 Feb;43(1):153–9

The binding of platelet-activating factor (PAF) to polymorphonuclear neutrophils (PMN) as a trigger for the immune-induced PMN aggregation. Camussi G, et al. **Panminerva Med** 1980 Jan–Mar 22;22(1):1–5

Platelet-activating factor (PAF) release from rat peritoneal cells, evidence for mastocyte–macrophage cooperation. Camussi G, et al. **Panminerva Med** 1980 Jul–Sep; 22(3):117–24

Nephrotic syndrome: increased platelet prostaglandin endoperoxide formation, hyperaggregability, and reduced platelet life span. Reversal following remission. Stuart MJ, et al. **Pediatr Res** 1980 Sep;14(9):1078–81

Platelet number and function in Diamond–Blackfan anemia. Buchanan GR, et al. **Pediatrics** 1981 Aug;68(2):238–41

Platelet-aggregating immune complexes in idiopathic glomerulonephritis and SLE. Kasai N, et al. **Proc Eur Dial Transplant Assoc** 1980;17:621–8

Correlation between spontaneous metastatic potential, platelet-aggregating activity of cell surface extracts, and cell surface sialylation in 10 metastatic-variant derivatives of a rat renal sarcoma cell line. Pearlstein E, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4336–9

Collagen polymorphism in relation to the role of collagen-induced platelet aggregation in haemostasis and thrombosis. Barnes MJ. **Prog Clin Biol Res** 1981;54:163–82 (60 ref.)

An evaluation of membrane glycoproteins in platelet adhesion and aggregation. Phillips DR. **Prog Hemost Thromb** 1980;5:81–109

Platelet aggregation, 5-hydroxytryptamine uptake and release in Huntington's chorea. Diez-Ewald M, et al.

Prog Neuropsychopharmacol 1980;4(3):277–83
On the multiplicity of platelet prostaglandin receptors. I. Evaluation of competitive antagonism by aggregometry. Andersen NH, et al. **Prostaglandins** 1980 May;19(5):711–35
Decreased prostacyclin sensitivity of human platelets after jogging and squash. Burghuber O, et al.
Prostaglandins Med 1981 Feb;6(2):127–30
The role of arachidonate lipoxygenase and fatty acids during irreversible blood platelet aggregation in vitro. Dutilh CE, et al. **Prostaglandins Med** 1981 Feb;6(2):111–26
Effects of onion (Allium cepa) extract on platelet aggregation and thromboxane synthesis. Makheja AN, et al.
Prostaglandins Med 1979 Jun;2(6):413–24
Spectrum of platelet aggregation abnormalities in myeloproliferative diseases. Cortelazzo S, et al.
Ric Clin Lab 1981 Jan–Mar;11(1):35–42
The role of increased platelet aggregation in TTP. Lian EC. **Semin Thromb Hemostas** 1980;6(4):401–15 (107 ref.)
Reactivity of platelets with different collagens: overlook. Balleisen L. **Suppl Thromb Haemostas** 1978;63:215–21
Activation of platelets in relation to the vascular wall. Born GV. **Suppl Thromb Haemostas** 1978;63:81–5
The specificity of the reaction of collagen with platelets. Harper E, et al. **Suppl Thromb Haemostas** 1978;63:223–5
Primary steps in platelet — collagen interaction. Jamieson GA. **Suppl Thromb Haemostas** 1978;63:243–53
Collagen type I and type III polymerization and platelet aggregation. Lapière CM, et al.
Suppl Thromb Haemostas 1978;63:227–32
The cells involved in the process of wound repair. Ross R. **Suppl Thromb Haemostas** 1978;63:337–46
Collagen requirements for initiation of platelet aggregation. Simons ER. **Suppl Thromb Haemostas** 1978;63:255–67
Platelet interaction with cartilage — the role of proteoglycans in vitro and in vivo. Zucker-Franklin D, et al. **Suppl Thromb Haemostas** 1978;63:321–36
Inhibition of the platelet reaction by a high molecular weight phosphoglycoprotein isolated from human platelet plasma membranes. Apitz-Castro R, et al. **Thromb Haemost** 1981 Apr 30;45(2):130–5
Abnormal aggregation and increased size of platelets in myeloproliferative disorders. Cortelazzo S, et al.
Thromb Haemost 1980 Jun 18;43(2):127–30
A physiologic regulator of collagen-induced platelet aggregation: inhibition by Clq. Csákó G, et al.
Thromb Haemost 1981 Apr 30;45(2):110–5
Plasma fibronectin is not involved in ADP-induced aggregation of rabbit platelets [letter] Harfenist EJ, et al. **Thromb Haemost** 1980 Oct 31;44(2):108
Reduced platelet aggregation in hemolytic–uremic syndrome. Kaplan BS, et al. **Thromb Haemost** 1980 Jun 18;43(2):154–7
Optical density variations and microscopic observations in the evaluation of platelet shape change and microaggregate formation. Kitek A, et al. **Thromb Haemost** 1980 Dec 19; 44(3):154–8
Dependence of human platelet functional responses on divalent cations: aggregation and secretion in heparin- and hirudin-anticoagulated platelet-rich plasma and the effects of chelating agents. Lages B, et al. **Thromb Haemost** 1981 Apr 30;45(2):173–9
Some characteristics of mouse platelet aggregation and a comparison of the activity of a range of compounds in mouse and human platelet-rich plasma in vitro. Nunn B. **Thromb Haemost** 1981 Feb 23;45(1):1–5
Platelet aggregates in ischemic heart disease. Schwartz MB, et al. **Thromb Haemost** 1980 Jul 15;43(3):185–8
Studies of aggregation and thromboxane B2 synthesis in avian thrombocytes: comparison between atherosclerosis-susceptible and resistant breeds. Subbiah MT, et al. **Thromb Haemost** 1980 Jul 15;43(3):189–91
Platelet aggregaton by basement membrane-associated collagens. Barnes MJ, et al. **Thromb Res** 1980 May 1–15; 18(3–4):375–88
Thromboxane production and platelet aggregation in diabetic subjects with clinical complications. Butkus A, et al.
Thromb Res 1980 Jul 1–15;19(1–2):211–23
Anagrelide: inhibitor of collagen and forming immune complex induced platelet aggregation and release. Clark WF, et al. **Thromb Res** 1981 Jan 1–15;21(1–2):215–9
Effects of alpha 1-acid glycoprotein on ristocetin, thrombin and Polybrene induced platelet aggregation. Coller BS.
Thromb Res 1980 May 1–15;18(3–4):579–84
Identical behavior of fibrinogen and asialo-fibrinogen in reactions with platelets during ADP-induced aggregation. Harfenist EJ, et al. **Thromb Res** 1980 Nov 1;20(3):353–8
The changes in the number of single platelets in human and rabbit platelet aggregations measured by electric particle counting method. Higashi T, et al. **Thromb Res** 1981 Feb–Mar;21(4–5):457–68
The bleeding diathesis in human glycogen storage disease type I: in vitro identification of a naturally occurring inhibitor of ristocetin-induced platelet aggregation. Kao KJ, et al. **Thromb Res** 1980 Jun 1;18(5):683–92
A comparison of the quantitative ristocetin von Willebrand factor assay by using fresh and fixed platelets. Kelton JG, et al. **Thromb Res** 1980 May 1–15;18(3–4):477–83
Platelet aggregability in chronic arterial occlusive diseases of the extremities. Kobayashi H, et al. **Thromb Res** 1980 Nov 15;20(4):363–73
Ristocetin-induced aggregation of canine platelets. Leis LA, et al. **Thromb Res** 1980 Aug 1;19(3):309–16
Studies on contractile proteins in ADP- and collagen-induced platelet aggregation. Muhlrad A, et al. **Thromb Res** 1981 Jan 1–15;21(1–2):147–56
Influence of blood dilution on the findings of platelet aggregates in native venous blood fixed by edta-formalin. Musemeci V, et al. **Thromb Res** 1980 Oct 1;20(1):25–30
Platelet aggregation in native blood exposed to a shifting shear rate field. Musumeci V, et al. **Thromb Res** 1981 Jan 1–15;21(1–2):45–51
Glycoprotein I is not involved in aggregation of platelets by wheat germ agglutinin (WGA). Rock G, et al.
Thromb Res 1980 Aug 15–Sep 1;19(4–5):725–7
Effect of fibrinogen on ADP-induced platelet aggregation. Tomikawa M, et al. **Thromb Res** 1980 Sep 15;19(6):841–55
Effect of anti-platelet agents on circulating platelet aggregates in patients with glomerulonephritis. Woo KT, et al. **Thromb Res** 1980 Dec 1–15;20(5–6):663–8
Plasma exchange and platelet function in Raynaud's phenomenon. Zahavi J, et al. **Thromb Res** 1980 Jul 1–15; 19(1–2):85–93
Noninvasive radioisotopic technique for detection of platelet deposition in mitral valve prosthesis and renal microembolism in dogs. Dewanjee MK, et al.
Trans Am Soc Artif Intern Organs 1980;26:475–80
Platelet–foreign surface interactions: the release reaction from singly adherent platelets and adherent platelet aggregates. Whicher SJ, et al.
Trans Am Soc Artif Intern Organs 1980;26:268–73
Standardized ergometer exercise in trained rowers: effect on reversible platelet microaggregates and platelet aggregation. Silberbauer K, et al. **Vasa** 1981;10(1):4–8
Thrombosis in arteries: mechanisms and prevention. Born GV. **Verh K Acad Geneeskd Belg** 1980;42(3–4):157–63
Glomerular mesangial uptake of intravenously injected colloidal carbon in the rat determined by an image analysing method: lack of influence of platelet aggregation or complement activation. Grond J, et al.
Virchows Arch [Cell Pathol] 1980;33(3):281–91
A simple method for the preparation of microaggregate-poor whole blood. Högman CF, et al. **Vox Sang** 1981 Apr; 40(4):286–8
Platelet dysfunction and migraines [letter] Kudrow L.
West J Med 1981 May;134(5):454–5
Platelet markers of thromboembolic disease. Wohl H.
West J Med 1981 Jul;135(1):19–24 (41 ref.)
[An electron microscopic study of platelet surface activity and aggregation in acute myocardial infarction]
Chung Hua Hsin Hsueh Kuan Ping Tsa Chih 1979; 7(4):291–4 **(Chi)**
[Function of prostaglandins in platelet aggregation] Sun QW.
Sheng Li Ko Hsueh Chin Chan 1980 Feb;11(2):137–42 **(Chi)**
[Study of the metabolism of fatty acids and total plasma lipids, and platelet aggregation of a population of elderly men using a diet enriched in gamma-linolenic acid] Darcet P, et al. **Ann Nutr Aliment** 1980;34(2):277–90 (8 ref.) (Eng. Abstr.) **(Fre)**
[Essential fatty acids and the platelet membrane in relation to aggregation] Renaud S, et al. **Ann Nutr Aliment** 1980; 34(2):265–76 (19 ref.) **(Fre)**
[Platelet aggregation in the acute phase of myocardial infarction] Letac B, et al. **Arch Mal Coeur** 1980 Nov; 73(11):1319–28 (Eng. Abstr.) **(Fre)**
[Traumatic and placoïd pigment epitheliopathy (author's transl)] Saraux H, et al. **J Fr Ophtalmol** 1980 Dec; 3(12):707–10 (Eng. Abstr.) **(Fre)**
[Platelet aggregation and platelet activating factor (author's transl)] Chignard M, et al. **J Pharmacol** 1980 Oct–Dec; 11(4):371–7 (Eng. Abstr.) **(Fre)**
[Hereditary deficiency in complement C7 and platelet aggregation disorders associated with rheumatoid arthritis. One case (author's transl)] Alcalay M, et al.
Nouv Presse Med 1980 Aug 30–Sep 6;9(31):2147–50 (Eng. Abstr.) **(Fre)**
[Limits of platelet aggregation tests for investigating thromboses (author's transl)] Sie P, et al.
Nouv Presse Med 1980 Oct 4;9(36):2629–32 (Eng. Abstr.) **(Fre)**
[Effect of splenectomy on the development of atheroma (letter)] Vergoz D, et al. **Nouv Presse Med** 1980 Oct 18; 9(38):2844–5 **(Fre)**
[Erythrocyte deformability in diabetics. Effects of insulin. Relation to platelet aggregation] Juhan I, et al.
Sem Hop Paris 1981 Mar 8–15;57(9–10):466–8 **(Fre)**
[Exercise-induced platelet aggregation: in vitro and ex-vivo aggregation of human platelets after administration of crystalline adrenaline and after ergometric exercise (author's transl)] Rieger H, et al.
Dtsch Med Wochenschr 1981 Jul 17;106(29–30):942–5 (Eng. Abstr.) **(Ger)**
[Platelet aggregation and prostaglandin turnover in man during defined linoleic acid supply with formula diets (author's transl)] Adam O, et al. **Res Exp Med (Berl)** 1980; 177(3):227–35 (Eng. Abstr.) **(Ger)**
[Quantitative studies on reversible thrombocyte aggregation during exertion] Haber P, et al.
Schweiz Med Wochenschr 1980 Oct 11;110(41):1488–91 (Eng. Abstr.) **(Ger)**
[Thrombocyte Aggregometer 78--an apparatus for turbidimetric measurement of the spontaneous platelet aggregation time] Norden C, et al. **Z Med Lab Diagn** 1980; 21(3):151–4 **(Ger)**
[Improved possibilities for the use of collagen in the measurement of thrombocyte aggregation] Seidel G, et al.
Z Med Lab Diagn 1980;21(6):375 **(Ger)**
[Determination of beta-thromboglobulin (beta-TG) and platelet factor 4 (PF 4). Detection of an in vivo thrombocyte activation] Hellstern P, et al.
ZFA (Stuttgart) 1981 May 31;57(15):1136–41 **(Ger)**
[Hypertriglyceridemia, IRI and platelet aggregation] Mangano C, et al. **Boll Soc Ital Biol Sper** 1980 Aug 15; 56(15):1546–52 (Eng. Abstr.) **(Ita)**
[Indices of induced platelet aggregation in normal pregnancy] Nubile G, et al. **Boll Soc Ital Biol Sper** 1981 Feb 15; 57(3):346–50 **(Ita)**
[Indices of normal induced platelet aggregation in males and females] Nubile G, et al. **Boll Soc Ital Biol Sper** 1981 Feb 15;57(3):340–5 **(Ita)**
[Platelet aggregation in normal and hypertensive subjects during cold pressor test] Saitta A, et al.
Boll Soc Ital Biol Sper 1980 Aug 15;56(15):1553–9 (Eng. Abstr.) **(Ita)**
[Possible role of serotonin in the etiology of platelet hyperaggregation after bloodletting in patients with chronic respiratory insufficiency] Cordova C, et al.
Clin Ter 1979 Sep 15;90(5):489–501 (Eng. Abstr.) **(Ita)**
[Prevention and treatment of disseminated intravascular coagulopathy. Conclusions] Sparacia A.
Minerva Anestesiol 1980 Jul;46(7):863–8 **(Ita)**
[Platelet hyperaggregation premonitory of myocardial infarct? A clinical case report] Taccola A, et al.
Minerva Med 1981 Jan 21;72(2):101–5 (Eng. Abstr.) **(Ita)**
[Platelet mediators of vascular permeability and phlogosis] Camussi G, et al. **Minerva Nefrol** 1980 Apr–Jun;27(2):301–4 (Eng. Abstr.) **(Ita)**
[Evaluation of the platelet aggregation test carried out by the method of pressure filtration of the platelet aggregates (PFAP) in a group of healthy male subjects] Bulian I, et al. **Ric Clin Lab** 1980;10 Suppl 2:27–33 **(Ita)**
[Methods of studying platelet function (research on the aggregation of circulating platelets)] Mari D, et al.
Ric Clin Lab 1980;10 Suppl 2:19–26 **(Ita)**
[Induced platelet aggregation as a fitness test for blood donors: preliminary study] Tordato G, et al.
Riv Emoter Immunoematol 1979;26(3–4):130–7 **(Ita)**
[Effect of fasting on platelet aggregation in the rabbit and the rat (author's transl)] Tanimoto Y, et al.
Nippon Ketsueki Gakkai Zasshi 1980 Oct;43(5):856–63 (Eng. Abstr.) **(Jpn)**
[Hereditary hemorrhagic telangiectasia (Osler's disease)--a family with decreased platelet aggregation (author's transl)] Ikeda S, et al. **Nippon Naika Gakkai Zasshi** 1980 Sep 10; 69(9):1108–13 **(Jpn)**
[Platelet aggregation and endogenous prostaglandins and thromboxane (author's transl)] Katori M.
No Shinkei Geka 1980 Aug;8(8):717–22 **(Jpn)**
[Clinical evaluation of the determination in platelet aggregability (author's transl)] Isobe J, et al.
Rinsho Byori 1980 Aug;28(8):799–803 **(Jpn)**
[Role of thromboxane A2 in platelet aggregation. Preliminary report] Mashimo N, et al. **Rinsho Byori** 1979;Suppl 40:122–9 **(Jpn)**
[Cyclic nucleotide metabolism in the blood platelets and its relationship to the vascular wall] Yamazaki H.
Rinsho Byori 1979;Suppl 40:40–6 **(Jpn)**
[Role of adenylate cyclase and the mechanism controlling platelet aggregation] Yoshida N, et al. **Rinsho Byori** 1979; Suppl 40:47–53 **(Jpn)**
[The study of beta-thromboglobulin. I. In vitro release of beta-TG in platelet aggregation (author's transl)] Sato C, et al. **Rinsho Ketsueki** 1980 Apr;21(4):481–90 (Eng. Abstr.) **(Jpn)**
[Platelet aggregation, circulating platelet aggregates and heparin-thrombin time in acute myocardial infarct] Florkiewicz H, et al. **Pol Tyg Lek** 1980 Dec 1;35(48):1845–7 (Eng. Abstr.) **(Pol)**
[Demonstration of circulating platelet aggregates in thromboembolic disease] Scrobohaci ML, et al.
Rev Med Interna [Med Interna] 1980 Jan–Feb;32(1):87–92 (Eng. Abstr.) **(Rum)**
[Determination of the probability of thrombocyte aggregation for evaluation of their functional state] Markosian RA, et al. **Biull Eksp Biol Med** 1981 Apr; 91(4):508–10 (Eng. Abstr.) **(Rus)**
[Thrombocyte aggregation and fatty acid composition in peptic ulcer] Iumashkina AG, et al. **Klin Med (Mosk)** 1981 Mar;59(3):51–6 (Eng. Abstr.) **(Rus)**
[Use of the BIAN-AT-1 platelet aggregation analyzer for determining erythrocyte aggregation] Kotovshchikova MA, et al. **Lab Delo** 1980;(11):675–6 (Eng. Abstr.) **(Rus)**
[Fibrinolysis and its inhibitors, and platelet aggregation in rheumatism] Panchenko VM, et al. **Lab Delo** 1980; (11):671–5 (Eng. Abstr.) **(Rus)**
[Change in thrombocyte adhesive and aggregation properties in hemorrhagic vasculitis in children] Kozarezova TI, et al. **Pediatriia** 1980 Jul;(7):46–9 **(Rus)**
[Thrombocyte aggregation and the status of the blood coagulating system in glomerulonephritis in children] Mustafina SM. **Pediatriia** 1980 Oct;(10):24–7 (Eng. Abstr.) **(Rus)**
[Platelet dysfunction in diffuse toxic goiter and experimental thyrotoxicosis] Kirichuk VF, et al.
Probl Endokrinol (Mosk) 1981 Jan–Feb;27(1):20–5 (Eng.

Abstr.) **(Rus)**
[Aggregating activity of retractile serum] Markosian RA, et al. **Probl Gematol Pereliv Krovi** 1980 Aug;25(8):38–40 (Eng. Abstr.) **(Rus)**
[Effect of gastric juice on blood coagulation and platelet aggregation in peptic ulcer complicated by hemorrhage] Iumashkina AG. **Ter Arkh** 1980;52(10):108–11 (Eng. Abstr.) **(Rus)**
[Thrombocyte aggregation in vascular diseases of the eye] Tartakovskaia AI, et al. **Vestn Oftalmol** 1981 Jan–Feb; (1):30–2 (Eng. Abstr.) **(Rus)**
[Circulating platelet aggregation in ischemic heart disease] Ciko Z. **Vojnosanit Pregl** 1981 Jan–Feb;38(1):17–9 **(Scr)**
[Fibrinolytic activity and platelet aggregation as risk factors in the progression of diabetic macroarteriopathy of the lower extremities] McCook Martínez J, et al. **Angiologia** 1980 Sep–Oct;32(5):221–7 **(Spa)**

DRUG EFFECTS

Effect of cyproterone acetate on platelet aggregability, fibrinolytic activity and fibrinolytic capacity in normal men. Føgh M, et al. **Acta Endocrinol (Copenh)** 1980 Jul; 94(3):430–2
Vitamin E and platelet aggregation. Huijgens PC, et al. **Acta Haematol (Basel)** 1981;65(3):217–8
Increased platelet aggregation induced by glucagon administration. Proctor SJ, et al. **Acta Haematol (Basel)** 1980;64(1):6–11
Effect of various agents on prostaglandin biosynthesis and the anti-aggregatory effect. Förster W. **Acta Med Scand [Suppl]** 1980;642:35–46
Effect of catheter flush fluids on blood coagulation and aggregation of platelets. Dahlborn M, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(1):59–62
Adrenaline-induced platelet aggregation in patients with chronic urticaria and in patients with multiple drug intolerance. Fais G, et al. **Allergol Immunopathol (Madr)** 1980 Nov–Dec;8(6):663–8
Inhibition of platelet aggregation with histamine. Mazza JJ, et al. **Am J Hematol** 1980;8(3):257–63
Von Willebrand disease associated with familial thrombocytopenia and increased ristocetin-induced platelet aggregation. Takahashi H, et al. **Am J Hematol** 1981; 10(1):89–99
Effects of heparin on platelet aggregation and release and thromboxane A2 production. Mohammad SF, et al. **Am J Pathol** 1981 Aug;104(2):132–41
Selective deficiency in collagen-induced platelet aggregation during L-asparaginase therapy. Shapiro RS, et al. **Am J Pediatr Hematol Oncol** 1980 Fall;2(3):207–12
Gangrene of the toes with palpable peripheral pulses. Morris-Jones W, et al. **Ann Surg** 1981 Apr;193(4):462–6
Prostaglandins E1 and E2, but neither prostacyclin nor prostaglandin D2 have anti-aggregating activity in chicken blood. Bult H, et al. **Arch Int Pharmacodyn Ther** 1981 Feb; 249(2):306–8
Prevention of cigarette smoking-induced platelet aggregate formation by aspirin. Davis JW, et al. **Arch Intern Med** 1981 Feb;141(2):206–7
Platelet dysfunction in acute lymphatic leukemia [letter] Smith RE, et al. **Arch Intern Med** 1981 Feb;141(2):269–70
Anticoagulant-free prepared blood platelets and the effect of calcium on their aggregation behaviour. Hofmann B, et al. **Artery** 1980;8(5):437–41
Effects of prostacyclin on platelet aggregation as studied with 'filter-loop' technique in the flowing blood of the dog. Imai S, et al. **Artery** 1980;8(1):63–72
Influence of proteoglycans (PG) and glycosaminoglycans (GAG) on ADP-, collagen- and thrombin-induced platelet aggregation. Klein K, et al. **Artery** 1980;8(5):410–5
Biphasic initial phase of platelet aggregation inhibition after oral aspirin. Walter E, et al. **Artery** 1980;8(5):501–6
Stimulation of anti-aggregatory activity from rat aorta by hypolipidemic drugs. Weithmann KU, et al. **Artery** 1980; 8(5):475–81
Lack of platelet effect with the aspirin analog, salsalate. Estes D, et al. **Arthritis Rheum** 1980 Nov;23(11):1303–7
Effects of fluproquazone on platelet aggregation in man. Beveridge T, et al. **Arzneimittelforsch** 1981;31(5a):937–40
The action of non-steroidal antiinflammatory agents on platelet aggregation and vessel tone in relation to inhibition of PG[illegible] and thromboxane-release. With particular reference to 5-benzoyl-alpha-methyl-2-thiophene acetic acid (tiaprofenic acid). Kuhn A, et al. **Arzneimittelforsch** 1980;30(9):1538–42
Some pyrrolidine and pyrrolizine derivatives as inhibitors of blood platelet aggregation. Makoni SH, et al. **Arzneimittelforsch** 1980;30(7):1135–7
Effect of Ca2+-antagonistic vasodilators, diltiazem, nifedipine, perhexiline and verapamil, on platelet aggregation in vitro. Ono H, et al. **Arzneimittelforsch** 1981; 31(7):1131–4
Human platelet aggregation tests in vitro. Effects of dilazep. Ponari O, et al. **Arzneimittelforsch** 1981;31(1):97–101
Antiaggregatory, physiological and clinical effects of ticlopidine in subjects with peripheral atherosclerosis. Kirstein P, et al. **Atherosclerosis** 1980 Aug;36(4):471–80
Inhibition of epinephrine-induced platelet aggregation by a derivative of wheat germ agglutinin. Ganguly P, et al. **Biochem Biophys Res Commun** 1981 Jan 15;98(1):297–302
Membrane protein mediation of thromboxane A2-induced platelet aggregation. Kao KJ, et al. **Biochem Biophys Res Commun** 1980 Nov 17;97(1):87–93
Phospholipid turnover as a possible transmembrane signal for protein phosphorylation during human platelet activation by thrombin. Kawahara Y, et al. **Biochem Biophys Res Commun** 1980 Nov 17;97(1):309–17
Evidence that a collagen-derived nonapeptide is a specific inhibitor of platelet-collagen interaction. Legrand YJ, et al. **Biochem Biophys Res Commun** 1980 Oct 31; 96(4):1579–85
Aggregation of platelets by muscle actin. A multivalent interaction model of platelet aggregation by ADP. Scarborough VD, et al. **Biochem Biophys Res Commun** 1981 Jun 16;100(3):1314–9
Lysophosphatidic acid–induced aggregation of human and feline platelets: structure–activity relationship. Tokumura A, et al. **Biochem Biophys Res Commun** 1981 Mar 31; 99(2):391–8
Effects of laminin, proteoglycan and type IV collagen, components of basement membranes, on platelet aggregation. Tryggvason K, et al. **Biochem Biophys Res Commun** 1981 May 15;100(1):233–9
5'-Methylthioadenosine and 2',5'-dideoxyadenosine blockade of the inhibitory effects of adenosine on ADP-induced platelet aggregation by different mechanisms. Agarwal KC, et al. **Biochem Pharmacol** 1980 Sep 15;29(18):2529–32
Inhibition of fatty acid oxygenases by onion and garlic oils. Evidence for the mechanism by which these oils inhibit platelet aggregation. Vanderhoek JY, et al. **Biochem Pharmacol** 1980 Dec 1;29(23):3169–73
A metabolite of sulphinpyrazone that is largely responsible for the effect of the drug on the platelet prostaglandin pathway. Pay GF, et al. **Biochem Soc Trans** 1980 Dec; 8(6):727–8
Differential effects of cyclo-oxygenase inhibitors and thromboxane synthase inhibitors on rabbit platelet aggregation: evidence for the importance of prostaglandin endoperoxides as mediators in arachidonate-induced aggregation but not in collagen-induced aggregation. Wallis RB, et al. **Biochem Soc Trans** 1980 Dec;8(6):726–7
Synergistic effects of lectins in the interaction of thrombin with human platelets. Jung SM, et al. **Biochim Biophys Acta** 1981 Mar 18;673(3):312–22
Movement of sodium into human platelets. Sandler WC, et al. **Biochim Biophys Acta** 1980 Aug 4;600(2):448–55
Inhibition of thrombin-induced platelet aggregation by a derivative of wheat germ agglutinin. Evidence for a physiologic receptor of thrombin in human platelets. Ganguly P, et al. **Blood** 1981 Feb;57(2):343–52
Platelet malondialdehyde production and aggregation responses induced by arachidonate, prostaglandin-G2, collagen, and epinephrine in 12 patients with storage pool deficiency. Weiss HJ, et al. **Blood** 1981 Jul;58(1):27–33
Iproniazid inhibits platelet aggregation in mesenteric microvessels. Rosenblum WI, et al. **Blood Vessels** 1980; 17(6):324–6
Effect of different concentrations of citrate on the sensitivity of an 'in vitro' spontaneous platelet aggregation test. Nenci GG, et al. **Boll Soc Ital Biol Sper** 1980 Feb 29;56(4):302–307
The reliability of 5-hydroxytryptamine induced platelet aggregation responses in schizophrenic patients treated with neuroleptic drugs. Knox JM, et al. **Br J Clin Pharmacol** 1981 Mar;11(3):261–3
The effects of neuroleptic drugs on 5-hydroxytryptamine induced platelet aggregation in schizophrenic patients. Orr MW, et al. **Br J Clin Pharmacol** 1981 Mar;11(3):255–9
Platelet-activating factor (PAF-acether) secretion from platelets: effect of aggregating agents. Chignard M, et al. **Br J Haematol** 1980 Nov;46(3):455–64
Binding of colloidal gold granules, coated with bovine factor VIII, to human platelet membranes. Furlan M, et al. **Br J Haematol** 1981 Jun;48(2):319–24
Inhibition of prostaglandin E1-responsive platelet adenylate cyclase by heparin: a study of the mechanism of inhibition and its relevance to platelet aggregation. Amirrasooli H, et al. **Br J Pharmacol** 1981 Jul;73(3):639–47
The effects of vincristine on platelet aggregation studied by a filter loop technique in the rat. Bee D, et al. **Br J Pharmacol** 1980 Jun;69(2):227–31
5'-N-ethylcarboxamidoadenosine: a potent inhibitor of human platelet aggregation. Cusack NJ, et al. **Br J Pharmacol** 1981 Mar;72(3):443–7
Nicotine inhibits hypoxia- and arachidonate-induced release of prostacyclin-like activity in rabbit hearts. Wennmalm A. **Br J Pharmacol** 1980 Aug;69(4):545–9
Prevention or cure for stress-induced gastrointestinal bleeding? [letter] Mikhailidis DP, et al. **Br Med J** 1980 Oct 11;281(6246):1005–6
The effect of enflurane and fentanyl anaesthesia on human platelet aggregation in vivo. Gotta AW, et al. **Can Anaesth Soc J** 1980 Jul;27(4):319–22
Cyclic guanidines. IX. Synthesis of 2-amino-3,4-dihydroquinazolines as blood platelet aggregation inhibitors. Ishikawa F, et al. **Chem Pharm Bull (Tokyo)** 1980 May;28(5):1357–64
Biochemically active substances from microorganisms. V. Pyrrothines, potent platelet aggregation inhibitors of microbial origin. Ninomiya YT, et al. **Chem Pharm Bull (Tokyo)** 1980 Nov;28(11):3157–62
Relative effects of aspirin on platelet aggregation and prostaglandin-mediated coronary vasodilatation in the dog. Capurro NL, et al. **Circulation** 1980 Dec;62(6):1221–7
Inhibition of platelet aggregation by tartrazine and a pyrazolone analogue in normal and allergic individuals. Gallagher JS, et al. **Clin Allergy** 1980 Nov;10(6):683–90
Disposition of anagrelide, an inhibitor of platelet aggregation. Gaver RC, et al. **Clin Pharmacol Ther** 1981 Mar;29(3):381–6
Effects of divalent cations on calcium levels, aggregation and morphology of human blood platelets in vitro. ap Gwynn I, et al. **Cytobios** 1980;27(106):97–106
Circulating platelet aggregates induced by somatostatin in insulin-dependent diabetic subjects. Coppola L, et al. **Diabete Metab** 1980 Dec;6(4):245–9
Platelet aggregation and release of ATP after incubation with soluble immune complexes purified from the serum of diabetic patients. Van Zile J, et al. **Diabetes** 1981 Jul; 30(7):575–9
Platelet sensitivity to prostacyclin in pregnancy and uterine cancer. Briel RC, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Jun;12(1):19–23
Effects of very low versus standard dose acetyl salicylic acid, dipyridamole and sulfinpyrazone on platelet function and thromboxane formation in man. Lorenz R, et al. **Eur J Pharmacol** 1981 Apr 9;70(4):511–8
Circulating microaggregates after gastric administration of ethanol in the pig. Bengmark S, et al. **Eur Surg Res** 1980; 12(5):333–42
Platelet aggregation and stimulation of leucocyte procoagulant activity by rickettsial lipopolysaccharides in rabbits and in man. Miragliotta G, et al. **Experientia** 1981 Jan 15;37(1):47–9
Metergoline: a strong inhibitor of rat thrombocyte aggregation 'in vitro.' Doni MG. **Haematologica (Pavia)** 1980 Dec;65(6):717–24
Effects of oestro-progestogenic oral contraceptives on blood coagulation, fibrinolysis, and platelet aggregation. Ghezzo F, et al. **Haematologica (Pavia)** 1980 Dec;65(6):737–45
Present status of antiaggregating agents in coronary and cerebrovascular disease prevention. Polli EE, et al. **Haematologica (Pavia)** 1980 Jun;65(3):361–9 (26 ref.)
Observations on ADP aggregation of lithium chloride incubated platelets in a variety of mammalian species. Imandt L, et al. **Haemostasis** 1980;9(5):276–87
Effect of three dosage schedules of flurbiprofen on platelet function and coagulation. Gupta KC, et al. **Indian J Med Res** 1980 Sep;72:434–40
Platelet function and fibrinolytic activity after a single dose of diflunisal (Donobid). Stenbjerg S, et al. **Int J Oral Surg** 1980 Dec;9(6):472–6
Selective inhibitory effects of chlorpromazine and imipramine on platelet aggregation. Ishigooka J, et al. **Int Pharmacopsychiatry** 1980;15(5):2?u–80
Human platelets 5'-nucleotidase: a cell membrane ectoenzyme with a possible regulatory role in the aggregation reaction. Bergamini C, et al. **Ital J Biochem** 1980 Jul–Aug;29(4):273–88
Mass medication with aspirin and platelet aggregation. Krantz JC Jr. **J Am Med Wom Assoc** 1981 Jan;36(1):13–4
A specific acetylhydrolase for 1-alkyl-2-acetyl-sn-glycero-3-phosphocholine (a hypotensive and platelet-activating lipid). Blank ML, et al. **J Biol Chem** 1981 Jan 10;256(1):175–8
Affinity labeling of a human platelet membrane protein with 5'-p-fluorosulfonylbenzoyl adenosine. Concomitant inhibition of ADP-induced platelet aggregation and fibrinogen receptor exposure. Figures WR, et al. **J Biol Chem** 1981 Aug 10;256(15):7789–95
Metabolism of prostacyclin by 9-hydroxyprostaglandin dehydrogenase in human platelets. Formation of a potent inhibitor of platelet aggregation and enzyme purification. Wong PY, et al. **J Biol Chem** 1980 Oct 10;255(19):9021–4
Enzymatic synthesis of 1-alkyl-2-acetyl-sn-glycero-3-phosphocholine, a hypotensive and platelet-aggregating lipid. Wykle RL, et al. **J Biol Chem** 1980 Nov 10;255(21):10256–60
Platelet activity (malondialdehyde production) after orthopaedic surgery: the effect of aspirin. Stulberg BN, et al. **J Bone Joint Surg [Am]** 1981 Feb;63A(2):288–94
Plasminogen activator induction and platelet aggregation by phorbol and some of its derivatives: correlation with skin irritancy and tumor-promoting activity. Brynes PJ, et al. **J Cancer Res Clin Oncol** 1980;97(3):257–66
Enhanced platelet accumulation onto injured carotid arteries in rabbits after aspirin treatment. Buchanan MR, et al. **J Clin Invest** 1981 Feb;67(2):503–8
Properties of human asialo-factor VIII. A ristocetin-independent platelet-aggregating agent. De Marco L, et al. **J Clin Invest** 1981 Aug;68(2):321–8
Human platelet stimulation by acetyl glyceryl ether phosphorylcholine. McManus LM, et al. **J Clin Invest** 1981 Mar;67(3):903–6
Differential effects of two doses of aspirin on platelets–vessel wall introduction in vivo. Wu KK, et al. **J Clin Invest** 1981 Aug;68(2):382–7
Prevention of in vivo platelet aggregation by indobufen in angina patients during exercise. Pogliani EM, et al. **J Int Med Res** 1981;9(2):113–9
Inhibition of platelet aggregation in man by indobufen (K 3920). Vittoria A, et al. **J Int Med Res** 1981;9(1):12–7
Characterization of a new mode of defective ristocetin-induced platelet aggregation. Baugh RF, et al. **J Lab Clin Med** 1981 Jun;97(6):864–80
Inhibitors of ADP-induced platelet aggregation prevent fibrinogen binding to rabbit platelets and cause rapid deaggregation and dissociation of bound fibrinogen.

Harfenist EJ, et al. **J Lab Clin Med** 1981 May;97(5):680–8
Plasma requirement for the aggregation of rabbit platelets by an aggregating material derived from SV40–transformed 3T3 fibroblasts. Karpatkin S, et al. **J Lab Clin Med** 1980 Dec;96(6):994–1001
The inhibition of cancer cell stickiness: a model for investigation of platelet aggregation inhibitors in vivo. V. The effect of penbutolol. Gastpar H, et al. **J Med** 1981; 12(1):1–13
Platelet aggregation inhibitors in the prevention of metastasis in neoplastic disease: a review of experimental and clinical investigations. Gastpar H, et al. **J Med** 1981;12(1):15–33
Cyclic guanidines. 14. Imidazo[1,2–a]thienopyrimidin–2–one derivatives as blood platelet aggregation inhibitors. Ishikawa F, et al. **J Med Chem** 1981 Apr;24(4):376–82
Rat platelet aggregation impaired by short–term zinc deficiency. Gordon PR, et al. **J Nutr** 1980 Oct; 110(10):2125–9
Carrageenan–induced activation of human platelets is independent of phospholipase A2 and of formation of thromboxanes. Vargaftig BB, et al. **J Pharm Pharmacol** 1980 Nov;32(11):740–5
Effects of antibiotics on platelet functions in human plasma in vitro and dog plasma in vivo. Genua MI, et al. **J Pharm Sci** 1980 Nov;69(11):1282–4
Structure–activity relationships of novel 3–acylpyrrole derivatives: new inhibitors of platelet aggregation. Ohtsu A, et al. **J Pharmacobiodyn** 1980 Nov;3(11):589–602
The role of platelets and antiplatelet drugs in ischemic heart disease. Pope EJ Jr. **J SC Med Assoc** 1981 Feb;77(2):57–60
Epoprostenol now the focus of numerous clinical trials [news] Check WA. **JAMA** 1981 Jun 26;245(24):2481–3
Leg pain and platelet aggregates in thrombocythemic myeloproliferative disease. Salem HH, et al. **JAMA** 1980 Sep 5;244(10):1122–3
Inhibitory effect of tiaramide of aggregation in vivo and on electrophoresis of rabbit platelets. Takano S, et al. **Jpn J Pharmacol** 1980 Dec;30(6):905–12
Is vitamin B6 an antithrombotic agent? [editorial] **Lancet** 1981 Jun 13;1(8233):1299–300
Platelet aggregation inhibitor in garlic [letter] Ariga T, et al. **Lancet** 1981 Jan 17;1(8212):150–1
Inhibition of thromboxane synthetase does not necessarily prevent platelet aggregation [letter] Bartele V, et al. **Lancet** 1981 May 9;1(8228):1057–8
Eicosapentaenoic acid and platelet function in Japanese [letter] Hirai A, et al. **Lancet** 1980 Nov 22;2(8204):1132–3
Thromboxane synthase inhibition in patients with atherosclerotic heart disease [letter] Knudsen JB, et al. **Lancet** 1981 Jul 25;2(8239):198
Prostacyclin administration during cardiopulmonary bypass in man. Longmore DB, et al. **Lancet** 1981 Apr 11; 1(8224):800–4
Cimetidine and somatostatin in gastroduodenal haemorrhage [letter] Mikhailidis DP, et al. **Lancet** 1981 Apr 4;1(8223):784
Anti–platelet aggregating and disaggregating activities of 6,9–methano PGI2. Morita A, et al. **Life Sci** 1980 Aug 25;27(8):695–701
Further studies on the significance of circulating platelet aggregates induced by somatostatin in man. Giugliano D, et al. **Metabolism** 1981 Feb;30(2):172–5
Platelet–activating factor (PAF), a mediator of platelet aggregation. Effect of corticosteroids on PAF–induced platelet aggregation. Camussi G, et al. **Minerva Nefrol** 1980 Oct–Dec;27(4):589–92
Identification of the antiplatelet substance in chinese black tree fungus [letter] Markheja AN, et al. **N Engl J Med** 1981 Jan 15;304(3):175
Inhibition of platelet aggregation by native and desialised alpha–1 acid glycoprotein. Costello M, et al. **Nature** 1979 Oct 25;281(5733):677–8
The effect of tryptolines (1, 2, 3, 4–tetrahydro–beta–carbolines) on monoamine metabolism and the platelet aggregation response in human platelets. Youdim MB, et al. **Neuroscience** 1981;6(4):801–10
Disaggregatory action of phosphodiesterase inhibitors. Radomski M, et al. **Pharmacol Res Commun** 1981 Jan; 13(1):41–7
Enhancement of thrombocyte aggregation and thromboxane B2 synthesis by diethylstilbestrol. Subbiah MT, et al. **Pharmacology** 1980;21(6):396–9
Haemorheological role of platelet aggregation and hypercoagulability in microcirculation: therapeutical approach with pentoxifylline. Müller R, et al. **Pharmatherapeutica** 1980;2(6):372–9 (44 ref.)
Effect of pentoxifylline on platelet aggregation. Nenci GG, et al. **Pharmatherapeutica** 1981;2(8):532–8
Choline magnesium trisalicylate does not impair platelet aggregation. Stuart JJ, et al. **Pharmatherapeutica** 1981; 2(8):547–51
Inhibitors of platelet aggregation in the fetoplacental unit and myometrium with particular reference to the ADP–degrading property of placenta. Hutton RA, et al. **Placenta** 1980 Apr–Jun;1(2):125–30
The effect of Craviten, a new antiarrhythmic drug, its 2R, 2'R isomer, quinidine and procaine amide on human platelet aggregation. Kędryna T, et al. **Pol J Pharmacol Pharm** 1980 Nov–Dec;32(6):883–8
Relationship between glycocalicin and glycoprotein Ib of human platelets. Clemetson KJ, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):2712–6
Release of 1–O–alkylglyceryl 3–phosphorylcholine, O–deacetyl platelet–activating factor, from leukocytes: chemical ionization mass spectrometry of phospholipids. Polonsky J, et al. **Proc Natl Acad Sci USA** 1980 Dec; 77(12):7019–23
Effects of chymotrypsin on the release reaction and aggregation of blood platelets. Grant RA, et al. **Proc Soc Exp Biol Med** 1980 Oct;165(1):114–7
Effect of prostacyclin on platelet–activating factor induced rabbit and platelet aggregation. Bussolino F, et al. **Prostaglandins** 1980 Nov;20(5):781–91
Effect of synthetic estrogen on platelet aggregation and vascular release of PGI2–like material in the rabbit. Elam MB, et al. **Prostaglandins** 1980 Dec;20(6):1039–51
Inhibition of platelet aggregation by 1–alkylimidazole derivatives, thromboxane A synthetase inhibitors. Kayama N, et al. **Prostaglandins** 1981 Apr;21(4):543–54
6–keto–prostaglandin E1 is not equipotent to prostacyclin (PGI2) as an antiaggregatory agent. Miller OV, et al. **Prostaglandins** 1980 Aug;20(2):391–400
5–methoxy–2–methyl–3–indole acetic acid, a metabolite and alkali hydrolysis product of indomethacin, inhibits platelet aggregation, in vivo. Rosenblum WI, et al. **Prostaglandins** 1981 Apr;21(4):667–73
Influences of prostaglandins on electrophoretic mobility and aggregation of rabbit platelets. Takano S, et al. **Prostaglandins** 1980 Sep;20(3):579–86
Potentiation of anti–aggregating activity of PGI2 by 7–ethoxycarbonyl–6,8–dimethyl–4–hydroxymethyl–1(2H)–(EG–626) in rabbit platelets in vitro. Tanaka K, et al. **Prostaglandins** 1980 Aug;20(2):255–68
Platelet and other effects of carboprostacyclin—a stable prostacyclin analogue. Adaikan PG, et al. **Prostaglandins Med** 1980 Oct;5(4):307–20
1–arachidonyl–monoglyceride causes platelet aggregation: indirect evidence for an acylglycerol acylhydrolase involvement in the release of arachidonic acid for prostaglandin synthesis. Gerrard JM, et al. **Prostaglandins Med** 1980 Jun;4(6):419–30
Differential effects of local anesthetics and propranolol on arachidonic acid and adenosine 5'–diphosphate–induced aggregation in rabbit platelets. Glass F, et al. **Prostaglandins Med** 1980 Aug;5(2):85–92
Aggregation and inhibition of rat platelets, and the formation of endoperoxide metabolites. Hwang DH. **Prostaglandins Med** 1980 Sep;5(3):163–73
Inhibition of platelet aggregation with intravenous and oral administration of carboprostacyclin in man. Karim SM, et al. **Prostaglandins Med** 1981 May;6(5):521–7
Inhibition of platelet aggregation and elevation of cyclic–AMP levels in platelets by 13,14–dehydro PGI2 methyl ester. Malmsten C, et al. **Prostaglandins Med** 1980 Jun;4(6):453–63
Effects of trapidil on thromboxane A2–induced aggregation of platelets, ischemic changes in heart and biosynthesis of thromboxane A2. Ohnishi H, et al. **Prostaglandins Med** 1981 Mar;6(3):269–81
Inhibition of platelet aggregation by 6–keto–PGE1; lack of an effect on cyclic GMP levels. Pontecorvo EG, et al. **Prostaglandins Med** 1981 May;6(5):473–83
Low dose aspirin, platelet function and prostaglandin synthesis: influence of epinephrine and alpha adrenergic blockade. Rao GH, et al. **Prostaglandins Med** 1981 May; 6(5):485–94
The influence of epinephrine on prostacyclin (PGI2) induced dissociation of ADP aggregated plateletes. Rao GH, et al. **Prostaglandins Med** 1980 Jun;4(6):385–97
Influence of trifluoperazine on platelet aggregation and disaggregation. Rao GH, et al. **Prostaglandins Med** 1980 Sep;5(3):221–34
Effect of Amrinone, a cardiotonic drug, on hemodynamics and platelet function. Rao GH, et al. **Prostaglandins Med** 1981 Jan;6(1):51–64
Modification of human platelet response to sodium arachidonate by membrane modulation. Rao GH, et al. **Prostaglandins Med** 1981 Jan;6(1):75–90
Vasodilation and inhibition of platelet aggregation by prostacyclins with modified omega–side chain. Schölkens BA, et al. **Prostaglandins Med** 1979 Jul;3(1):7–22
Combined effect of prostaglandins and an aortic proteoglycan on platelet aggregation and plasma clotting. Ts'ao C, et al. **Prostaglandins Med** 1979 Sep;3(3):159–66
In vitro inhibition of platelet aggregation with low dalton compounds from aqueous dialysates of edible fungi. Hokama Y, et al. **Res Commun Chem Pathol Pharmacol** 1981 Jan;31(1):177–80
Inhibition of thrombin–induced platelet aggregation by crude and highly purified alpha 1–acid glycoprotein. Andersen P, et al. **Scand J Haematol** 1980 Sep;25(3):202–4
Hydrocortisone, platelet aggregation and platelet prostaglandin metabolism. Jørgensen KA, et al. **Scand J Haematol** 1980 Nov;25(5):445–7
Oral contraceptives, lanosterol, and platelet hyperactivity in rat. Ciavatti M, et al. **Science** 1980 Nov 7;210(4470):642–4
Structural aspects of type I collagen required for its interaction with platelets. Michaeli D. **Suppl Thromb Haemostas** 1978;63:269–76
The effect of local anaesthetics and antiarrhythmic agents on the responses of rabbit platelete to ADP and thrombin. Anderson ER, et al. **Thromb Haemost** 1981 Feb 23; 45(1):18–23
In vitro inhibition of platelet aggregation by bile salts. Baele G, et al. **Thromb Haemost** 1980 Oct 31;44(2):62–4
Heparins and release [letter] Cella G, et al. **Thromb Haemost** 1980 Oct 31;44(2):105
Effects of halothane on platelet function. Dalsgaard–Nielsen J, et al. **Thromb Haemost** 1980 Dec 19;44(3):143–5
Biphasic aggregation responses to ADP and epinephrine in some storage pool deficient platelets: relationship to the role of endogenous ADP in platelet aggregation and secretion. Lages B, et al. **Thromb Haemost** 1980 Jun 18; 43(2):147–53
Synergic effect of prostacyclin (PGI2) and alpha–blocking–agent on adrenalin–induced human platelet aggregation [letter] Pogliani E, et al. **Thromb Haemost** 1980 Oct 31;44(2):106
Plasma and platelet lipid composition and platelet aggregation by arachidonic acid in women on the pill. Sadurska B, et al. **Thromb Haemost** 1981 Apr 30;45(2):150–3
Collagen–mediated platelet aggregation: the role of multiple interactions between the platelet surface and collagen. Santoro SA, et al. **Thromb Haemost** 1980 Jun 18; 43(2):158–62
Inhibition of the platelet function by plasminic effect on human factor VIII [letter] Castillo R, et al. **Thromb Res** 1980 Oct 15;20(2):293–6
Effects of 12–O–tetradecanoyl phorbol 13–acetate on platelet aggregation. Chiang TM, et al. **Thromb Res** 1981 Mar; 21(6):611–22
Inhibition of platelet aggregation and release in a forming immune complex system. Clark WF, et al. **Thromb Res** 1980 Aug 15–Sep 1;19(4–5):687–93
Effect of venous occlusion and DDAVP injection on platelet aggregation and platelet cyclic AMP. Egberg N. **Thromb Res** 1980 Jul 1–15;19(1–2):263–5
Responses of rabbit platelets to adrenaline induced by other agonists. Hallam TJ, et al. **Thromb Res** 1981 Feb–Mar; 21(4–5):413–24
Anticoagulant activities and effects on platelets of a heparin fragment with high affinity for antithrombin. Holmer E, et al. **Thromb Res** 1980 Jun 15;18(6):861–9
Effects of nifedipine (Adalat) on platelet function in vitro and in vivo. Johnsson H. **Thromb Res** 1981 Feb–Mar; 21(4–5):523–8
A biphasic effect of prostacyclin (PGI2) on platelet aggregation. Jørgensen KA, et al. **Thromb Res** 1980 Sep 15;19(6):877–81
The mechanism of the inhibitory effect of protease inhibitors on platelet aggregation and cellular synthesis of prostaglandins. I. The effect on the release of arachidonic acid from phospholipids. Kosaki G, et al. **Thromb Res** 1980 Dec 1–15;20(5–6):587–98
Effects of prostaglandin F2a on aggregation of canine platelets. Longenecker GL. **Thromb Res** 1980 May 1–15; 18(3–4):369–74
Prolonged inhibition of ex vivo sodium arachidonate–induced platelet aggregation and malondialdehyde (MDA) production by sulphinpyrazone (Anturan) in man. Maguire ED, et al. **Thromb Res** 1981 Feb 1;21(3):321–7
The effect of prostacyclin on platelet aggregation and disaggregation in vivo [letter] Martin JF, et al. **Thromb Res** 1980 Jun 1;18(5):749–51
Inhibitory effect of ibuprofen (Motrin) on platelet function. Nishizawa EE, et al. **Thromb Res** 1981 Feb–Mar; 21(4–5):347–56
Effect of ticlopidine on human platelet responsiveness ex vivo: comparison with aspirin. Nunn B, et al. **Thromb Res** 1980 Jun 15;18(6):807–813
Effects of ethanol and of other factors on ADP–induced aggregation of human blood platelets in vitro. Quintana RP, et al. **Thromb Res** 1980 Nov 15;20(4):405–15
Parallel inhibition of ristocetin and polycation–induced platelet agglutination. Rosborough TK. **Thromb Res** 1980 Aug 1;19(3):417–22
Inhibition of platelet function by a calmodulin interacting agent, W–7. Suda J, et al. **Thromb Res** 1981 Feb–Mar; 21(4–5):447–55
Studies on the pathophysiology and treatment of von Willebrand's disease. IV. Mechanism of increased ristocetin–induced platelet aggregation in von Willebrand's disease. Takahashi H. **Thromb Res** 1980 Sep 15;19(6):857–67
Structure activity relationships of 12–deoxyphorbol esters of human platelets. Westwick J, et al. **Thromb Res** 1980 Dec 1–15;20(5–6):683–92
Effect of phalloidin on platelet aggregation. Tatsumi N, et al. **Tohoku J Exp Med** 1980 Jul;131(3):221–5
Platelet preservation during cardiopulmonary bypass (CPB) with prostaglandin (PGE1) and prostacyclin (PGI2). van den Dungen JJ, et al. **Trans Am Soc Artif Intern Organs** 1980;26:481–6
Platelet aggregation in stenosed coronary or cerebral arteries: a mechanism for sudden death? Folts JD. **Wis Med J** 1980 Aug;79(8):24–6
[Alterations of plasma plasminogen and fibrinogen, serum fibrin degradation products and degree of ADP induced platelet aggregation in acute myocardial infarction (author's transl)] **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1979; 7(1):49–52 (Eng. Abstr.) **(Chi)**
[The effect of Dang–Gui (Angelica sinensis) and its ingredient ferulic acid on rat platelet aggregation and release of 5–HT (author's transl)] Yin ZZ, et al. **Yao Hsueh Hsueh Pao** 1980 Jun;15(6):321–6 (Eng. Abstr.) **(Chi)**
[Treatment and prevention of thromboembolism with anti–aggregation drugs] Donner L. **Vnitr Lek** 1981 May;

27(5):487–95 (Eng. Abstr.) **(Cze)**

[Acetylsalicylic acid, blood platelets and the vessel wall] Huijens PC, et al. **Ned Tijdschr Geneeskd** 1981 Jun 6; 125(23):921–3 **(Dut)**

The effects of prostacyclin (PGI2) on endotoxin shock and endotoxin-induced platelet aggregation in dogs. Fletcher JR, et al. **Circ Shock** 1980;7(3):299–308 **(eng)**

[Influence of fenofibrate on blood platelet functions (author's transl)] Renaud S, et al. **Nouv Presse Med** 1980 Dec 22; 9(49):3763–7 (Eng. Abstr.) **(Fre)**

[Ticlopidine in heart surgery with cardiopulmonary by-pass (author's transl)] Renner C, et al. **Nouv Presse Med** 1980 Nov 15;9(43):3249–51 (Eng. Abstr.) **(Fre)**

[The role of prostacycline, thromboxane A2 and prostaglandins in platelet aggregation (author's transl)] Herman AG. **Rev Med Brux** 1981 Mar;2(3):251–7 (Eng. Abstr.) **(Fre)**

[Platelet antiaggregants: review of the literature (author's transl)] Sternon J. **Rev Med Brux** 1981 May;2(5):487–92 **(Fre)**

[Molecular action of drugs affecting platelet functions (author's transl)] Verstraete M. **Rev Med Brux** 1981 Mar; 2(3):301–8 (41 ref.) (Eng. Abstr.) **(Fre)**

[Thrombocyte function and systemic effect of prostaglandin I2 inhalation] Silberbauer K, et al. **Acta Med Austriaca [Suppl]** 1979;6:401–3 (Eng. Abstr.) **(Ger)**

[Aprotinin–ACD–blood: I. Experimental studies on the effect of aprotinin on the plasmatic and thrombocytic coagulation (author's transl)] Harke H, et al. **Anaesthesist** 1980 May; 29(5):266–76 (Eng. Abstr.) **(Ger)**

[Effects of polymyxin B and E (colistin) on blood coagulation, thrombocyte function, and fibrin structure (author's transl)] Klingemann HG, et al. **Arzneimittelforsch** 1980;30(10):1719–21 (Eng. Abstr.) **(Ger)**

[On the platelet aggregation inhibiting and analgesic activities of acetylsalicylic acid (author's transl)] Schnell O, et al. **Arzneimittelforsch** 1980;30(11):1917–22 (Eng. Abstr.) **(Ger)**

[Influence of platelet aggregation inhibitors on platelet damage at prosthetic heart valves in–vitro (author's transl)] Häussinger G, et al. **Biomed Tech (Berlin)** 1981 May; 26(5):99–102 (Eng. Abstr.) **(Ger)**

[Pro and con: Anticoagulation or thrombocyte function inhibitors in the prophylaxis of myocardial infarct? Arguments in favor of thrombocyte function inhibitors] Breddin K. **Internist (Berlin)** 1980 Jul;21(7):394–6 **(Ger)**

[Pro and con: Aggregation inhibitors in the prophylaxis of myocardial infarct. Arguments against aggregation inhibitors] Reuter HD. **Internist (Berlin)** 1980 Jul; 21(7):390–2 **(Ger)**

[Summary: Aggregation inhibitors in the prophylaxis of myocardial infarct] Walter E, et al. **Internist (Berlin)** 1980 Jul;21(7):393 **(Ger)**

[Pro and con: Aggregation inhibitors in the prophylaxis of myocardial infarct. Arguments in favor of aggregation inhibitors] Walter E, et al. **Internist (Berlin)** 1980 Jul; 21(7):387–9 **(Ger)**

[Should platelet aggregation inhibitors be given in cerebral ischemic insults?] Dorndorf W, et al. **Med Welt** 1980 Sep 26;31(39):1377–9 **(Ger)**

[The influence of azlocillin on ADP-induced thrombocyte aggregation in vitro] Menz G. **Med Welt** 1980 Oct 31; 31(44):1602–3 **(Ger)**

[The effect of a high-dose parenteral thrombocyte aggregation inhibitors in recent myocardial infarct. Case contribution.] Röhrer H, et al. **Med Welt** 1980 Dec 19; 31(51–52):1864–9 **(Ger)**

[Anticoagulants and thrombocyte aggregation inhibitors in cerebrovascular disorders] Soyka D. **Med Welt** 1980 Oct; 31(40):1417–21 **(Ger)**

[Specific measures in drug therapy in stroke. Anticoagulants, inhibitors of thrombocyte aggregation, initial barbiturate therapy] Soyka D. **Nervenarzt** 1980 Aug;51(8):443–8 (17 ref.) **(Ger)**

[Acute effects of low carbon monoxide concentrations on blood rheology, platelet fuction, and the arterial wall in the minipig (author's transl)] Marshall M, et al. **Res Exp Med (Berl)** 1981;178(3):201–10 (Eng. Abstr.) **(Ger)**

[The platelet inhibitor problem] Straub PW. **Schweiz Med Wochenschr** 1981 Apr 4;111(14):478–82 (Eng. Abstr.) **(Ger)**

[Platelet sensitivity to prostacyclin (PGI2) in patients with juvenile–onset diabetes mellitus (author's transl)] Klein K, et al. **Wien Klin Wochenschr** 1981 Jul 10;93(14):460–2 (Eng. Abstr.) **(Ger)**

[Effect of the antirheumatic drug Sulindac on thrombocyte function (author's transl)] Schenk H, et al. **Wien Med Wochenschr** 1980 May 31;130(10):344–9 (Eng. Abstr.) **(Ger)**

[Hormonal contraceptives of differentiated composition — effects on thrombocyte function (author's transl)] Brandt M, et al. **Zentralbl Gynaekol** 1981;103(11):631–43 (Eng. Abstr.) **(Ger)**

[The role of thrombocytes and thrombocyte aggregation inhibitors in coronary disease] Schlimmer P. **ZFA (Stuttgart)** 1980 Sep 20;56(26):1621–4 **(Ger)**

[Platelet aggregation and piribedil] Imperatore A, et al. **Arch Sci Med (Torino)** 1980 Apr–Jun;137(2):253–8 (Eng. Abstr.) **(Ita)**

[Platelet aggregation and antihypertensive alpha–adrenergic agonists] Imperatore A, et al. **Arch Sci Med (Torino)** 1980 Apr–Jun;137(2):241–6 (Eng. Abstr.) **(Ita)**

[Experimental assessment of some pharmacodynamic features of ketoprofen lysine. Pain relief activity, antipyretic effects, anti–inflammatory activity, anti–platelet aggregation activity and interference with the biosynthesis of prostaglandins] Marmo E, et al. **Arch Sci Med (Torino)** 1980 Jul–Sep;137(3):387–404 **(Ita)**

[Ketotifen and platelet aggregation: in vitro studies] Somma A, et al. **Boll Chim Farm** 1980 Nov;119(11):659–62 (Eng. Abstr.) **(Ita)**

[Effects of oral glucose load on blood lipids and on platelet function] Carleo R, et al. **Boll Soc Ital Biol Sper** 1980 May 15;56(9):853–9 (Eng. Abstr.) **(Ita)**

[Modifications of platelet function induced by ASA. I. Effects on aggregation] Piro F, et al. **Boll Soc Ital Biol Sper** 1979 Sep 30;55(18):1895–901 **(Ita)**

[Evaluation of platelet aggregation index (IAP) in athletes practicing rowing after administration of anti–inflammatory agents] Tarzia R, et al. **Boll Soc Ital Biol Sper** 1979 Dec 30;55(24):2615–20 (Eng. Abstr.) **(Ita)**

[Effect of raubasine and pipratecol on platelet aggregation and on the platelet release reaction] Cattaneo M, et al. **Clin Ter** 1980 Feb 29;92(4):359–68 **(Ita)**

[Anti–platelet–aggregating action of dipyridamole administered by slow intravenous infusion] Francini D, et al. **Clin Ter** 1980 Mar 15;92(5):477–89 (Eng. Abstr.) **(Ita)**

[Imolamine in ischemic cardiopathy: results of a study of platelet aggregation in vitro and ex vivo] Tremoli E, et al. **Clin Ter** 1980 Apr 15;93(1):79–88 (Eng. Abstr.) **(Ita)**

[D–glucitol hexanicotinate and platelet aggregation] Avellone G, et al. **Farmaco [Prat]** 1980 Mar;35(3):147–54 (Eng. Abstr.) **(Ita)**

[Platelet aggregation during intravenous infusion of PGE1 in man] Ranieri MG, et al. **G Clin Med** 1980 Jan;61(1):44–50 (Eng. Abstr.) **(Ita)**

[Anti–platelet–aggregating drugs. Clinical pharmacology and therapeutic use] Croveri G. **Minerva Cardioangiol** 1980 Oct; 28(10):723–6 **(Ita)**

[Platelet anti–aggregants in the prevention of disseminated intravascular coagulation in severe burns] Raso SM, et al. **Minerva Chir** 1981 May 31;36(10):683–90 (Eng. Abstr.) **(Ita)**

[Platelet function and antithrombin III levels in insulin–dependent juvenile diabetes] Masperi R, et al. **Minerva Dietol Gastroenterol** 1979 Jul–Sep;25(3):315–8 (Eng. Abstr.) **(Ita)**

[Effects of ticlopidine on blood circulation and thrombin–induced platelet aggregation in experimental diabetic rats– and it's efficacy for remedy of diabetic retinopathy (author's transl)] Fujie K, et al. **Nippon Ganka Gakkai Zasshi** 1981 Mar;85(3):242–9 (Eng. Abstr.) **(Jpn)**

[Significance of anti–platelet agents] Arimori S, et al. **Nippon Rinsho** 1980 Sep;38(9):3209–15 (57 ref.) **(Jpn)**

[Interaction of phenothiazinic anti–inflammatory agent, protizinic acid, with the biopolymers: Inhibitory effects on functions of platelets (author's transl)] Fujimura H, et al. **Nippon Yakurigaku Zasshi** 1981 Jan;77(1):27–39 (Eng. Abstr.) **(Jpn)**

[Mechanism of platelet aggregation inhibition] Abiko Y, et al. **Rinsho Byori** 1979;Suppl 40:169–80 (34 ref.) **(Jpn)**

[Changes of the platelet membrane caused by aggregating agents: clinical studies of blood platelet membrane glycoproteins] Fujimura K. **Rinsho Byori** 1979;Suppl 40:244–50 **(Jpn)**

[Significance of platelet–thrombin interaction in disseminated intravascular coagulopathy (DIC) (author's transl)] Fujimura K, et al. **Rinsho Byori** 1980 Jul;28(7):605–9 **(Jpn)**

[Refractory state of the platelets to ADP: In vitro experiment using rabbit platelets] Funahara Y. **Rinsho Byori** 1979;Suppl 40:155–60 **(Jpn)**

[Platelet aggregation inhibitor isolated from snake venoms] Imaoka S, et al. **Rinsho Byori** 1979;Suppl 40:205–10 **(Jpn)**

[Platelet aggregation and calcium: Feedback inhibition and intracellular calcium ions] Kimura Y. **Rinsho Byori** 1979; Suppl 40:83–8 **(Jpn)**

[Effect of elastase on platelet adhesiveness and platelet aggregation (author's transl)] Kobayashi T, et al. **Rinsho Byori** 1981 Mar;29(3):295–8 **(Jpn)**

[Blood platelets and snake venoms] Maruyama I. **Rinsho Byori** 1979;Suppl 40:193–204 **(Jpn)**

[Bovine platelet aggregation by ADP] Okada M, et al. **Rinsho Byori** 1979;Suppl 40:143–54 **(Jpn)**

[Effect of TEI–2117, a new antithrombotic compound, on arachidonic acid metabolism] Otsu A, et al. **Rinsho Byori** 1979;Suppl 40:117–21 **(Jpn)**

[Factor VIII–related human platelet aggregating factor (PAF) of bovine plasma] Suzuki K, et al. **Rinsho Byori** 1979;Suppl 40:161–8 **(Jpn)**

[Anti–platelet aggregation effect of PGI2 potentiated by EG–626] Tanaka K, et al. **Rinsho Byori** 1979;Suppl 40:188–91 **(Jpn)**

[Platelet membrane aggregation by platelet aggregation provoking substances] Watanabe K, et al. **Rinsho Byori** 1979;Suppl 40:257–67 **(Jpn)**

[Inhibition of platelet aggregation by platelet inhibitory agents and its relation to their clinical effects] Yasunaga K. **Rinsho Byori** 1979;Suppl 40:181–7 **(Jpn)**

[von Willebrand's disease with an increased ristocetin–induced platelet aggregation and a qualitative abnormality of the factor VIII protein (author's transl)] Takahashi H, et al. **Rinsho Ketsueki** 1980 Apr;21(4):544–54 (Eng. Abstr.) **(Jpn)**

[Blood serum salicylate concentration and platelet aggregation after administration of acetylsalicylic acid] Mazurowa A, et al. **Pol Arch Med Wewn** 1980 Dec; 64(6):497–504 (Eng. Abstr.) **(Pol)**

[Blood platelet function before and after dipyridamole in patients on chronic hemodialysis] Twardowski Z, et al. **Pol Arch Med Wewn** 1980 Apr;63(4):383–91 (Eng. Abstr.) **(Pol)**

[Effect of persantin on selected platelet functions in myocardial infarct] Markiewicz M, et al. **Pol Tyg Lek** 1980 Sep 1;35(35):1343–5 (Eng. Abstr.) **(Pol)**

[Certain mechanisms of the effect of EDTA on thrombocyte aggregation] Suvorov AV, et al. **Biull Eksp Biol Med** 1981 May;91(5):587–90 (Eng. Abstr.) **(Rus)**

[Inhibitory action of adrenaline on the antiaggregation activity of the arterial wall] Baluda VP, et al. **Farmakol Toksikol** 1980 Jul–Aug;43(4):381–3 (Eng. Abstr.) **(Rus)**

[Role of prostaglandins, thromboxanes and prostacyclin in regulating the thrombocyte aggregation process and liberation reaction normally and in pathology] Baluda VP, et al. **Patol Fiziol Eksp Ter** 1980;(4):80–5 (103 ref.) **(Rus)**

[Thromboresistant properties of polyelectrolyte complexes based on weak polyelectrolytes] Chepurov AK, et al. **Polim Med** 1980;10(4):243–56 (Eng. Abstr.) **(Rus)**

[Prolonged treatment of mesangioproliferative glomerulonephritis with a cytostatic agent and prednisolone and a combination of a cytostatic agent, prednisolone an anticoagulant and an antiaggregant] Ratner MIa, et al. **Ter Arkh** 1980;52(8):106–10 (Eng. Abstr.) **(Rus)**

[Aspirin–like defect – a hereditary thrombocytopathy due to impaired release of platelet adenosine diphosphate] Elezović I, et al. **Bilt Hematol Transfuz** 1979;7(2–3):165–74 (Eng. Abstr.) **(Ser)**

RADIATION EFFECTS

Modification of platelet function by radical species produced during irradiation of oxygenated water. Krinsky NI, et al. **Thromb Haemost** 1981 Apr 30;45(2):116–20

[Effect of 60Co gamma rays and fast neutrons on intravascular platelet aggregation and vessel wall prostacyclin activity] Baluda VP, et al. **Biull Eksp Biol Med** 1981 May;91(5):559–62 (Eng. Abstr.) **(Rus)**

PLATELET COUNT

Plasma levels of beta–thromboglobulin and platelet factor 4 in relation to the venous platelet concentration. Kutti J, et al. **Acta Haematol (Basel)** 1980;64(1):1–5

Pappenheimer bodies. An additional cause for a spurious platelet count. Morton BD, et al. **Am J Clin Pathol** 1980 Sep;74(3):310–1

Platelet adsorption–source of error in reference controls. Ryan WL, et al. **Am J Med Technol** 1980 Sep;46(9):665–7

Acute alcohol ingestion and platelet function. Dunn EL, et al. **Arch Surg** 1981 Aug;116(8):1082–3

The platelet count and mean platelet volume. Giles C. **Br J Haematol** 1981 May;48(1):31–7

Transmyocardial platelet behavior in CAD [letter] Dalal JJ, et al. **Circulation** 1981 Apr;63(4):969–70

Hematologic studies during isolated ultrafiltration. Ing TS, et al. **Clin Nephrol** 1981 Jun;15(6):299–301

Platelet counts in normal Kenyan adults. Mukiibi JM, et al. **East Afr Med J** 1981 Feb;58(2):136–9

Platelet production time, uricemia, and some hemostasis tests in pre–eclampsia. Boneu B, et al. **Eur J Obstet Gynaecol Reprod Biol** 1980 Oct;11(2):85–94

Some haematological observation during menstrual cycle. Balasubramaniam P, et al. **Indian J Med Sci** 1980 Aug; 34(8):193–4

Platelet count in temporary residents of high altitude. Sharma SC. **J Appl Physiol** 1980 Dec;49(6):1047–8

Platelet count and other haematological measurements in septic shock. Lucie NP, et al. **J Clin Pathol** 1980 Sep; 33(9):890

Platelet abnormalities associated with massive autotransfusion. Moore EE, et al. **J Trauma** 1980 Dec; 20(12):1052–6

Pappenheimer bodies and spuriously elevated platelet counts [letter] Wilson EC, et al. **JAMA** 1981 Aug 28;246(9):938

Platelet number and function in Diamond–Blackfan anemia. Buchanan GR, et al. **Pediatrics** 1981 Aug;68(2):238–41

Standardization of platelet counts—problems and pitfalls. Samama M, et al. **Scand J Haematol** 1980;25(Suppl 37):95–103

Leukocytes, platelets, and thromboxane A2 in endotoxin–induced lung injury. Smith ME, et al. **Surgery** 1981 Jul;90(1):102–7

The changes in the number of single platelets in human and rabbit platelet aggregations measured by electric particle counting method. Higashi T, et al. **Thromb Res** 1981 Feb–Mar;21(4–5):457–68

[Results of splenectomy in hematological patients.

Correlation of the results with examination of blood platelet and granulocyte kinetics] Fortýnová J, et al. **Vnitr Lek** 1980 Nov;26(11):1086–95 (Eng. Abstr.) **(Cze)**

[Effect of splenectomy on the development of atheroma (letter)] Vergoz D, et al. **Nouv Presse Med** 1980 Oct 18; 9(38):2844–5 **(Fre)**

[Correlation between hemangioma of the skin and thrombocyte values in children] Kleinteich B, et al. **Z Aerztl Fortbild (Jena)** 1980 Oct 15;74(20):949–51 **(Ger)**

[Relation between changes in platelet count and acute articular rheumatism, with special reference to cardiac complications] Mignone F, et al. **Minerva Pediatr** 1981 Mar 31;33(6):261–6 (Eng. Abstr.) **(Ita)**

INSTRUMENTATION

A review of platelet counting performance in the United States. Wertz RK, et al. **Am J Clin Pathol** 1980 Oct;74(4 Suppl):575–80

The Ultra-Flo 100 platelet counter: a new approach to platelet counting. Guthrie DL, et al. **Clin Lab Haematol** 1980;2(3):231–42

The optical detection of platelets in plasma. McCabe VJ, et al. **Thromb Haemost** 1980 Jul 15;43(3):198–202

METHODS

An improvement of the analytical description of temporal variations of plasma and total platelet activities, studied using 75Se–methionin as an in vivo tracer. Martino R, et al. **Boll Soc Ital Biol Sper** 1979 Mar 30;55(6):523–8

Reference preparations for calibration of platelet counting instruments. Clarke AJ. **Med Lab Sci** 1981 Jan;38(1):21–7

[Dependability of electronic thrombocyte count and size distribution determination] Jäger H, et al. **Med Lab (Stuttg)** 1981;34(2):50–4 **(Ger)**

[Thrombocyte count using the electronic particle counter PS-4 of MEDICOR. 1. 2 variations of a new method in comparison with the counting chamber] Diederich G, et al. **Z Med Lab Diagn** 1980;21(4):225–31 (Eng. Abstr.) **(Ger)**

[Enumeration of platelets in blood smears (author's transl)] Milanesi B, et al. **Quad Sclavo Diagn** 1981 Jun;17(2):130–6 (Eng. Abstr.) **(Ita)**

VETERINARY

Thrombocytes, clotting time, haemoglobin value and packed cell volume in Nigerian piglets during the first four weeks of life. Olowookorun MO, et al. **Zentralbl Veterinaermed [A]** 1980;27(6):508–12

PLATELET FACTOR 3 see under **BLOOD COAGULATION FACTORS**

PLATELET FACTOR 4 see under **BLOOD COAGULATION FACTORS**

PLATELET FUNCTION TESTS

Preoperative test of bleeding time in ear surgery. Harris S, et al. **Acta Otolaryngol (Stockh)** 1980 May–Jun; 89(5–6):474–8

Prolonged bleeding time during azlocillin therapy. Dijkmans BA, et al. **J Antimicrob Chemother** 1980 Jul;6(4):554–6

Heparin bleeding, platelet dysfunction, and aspirin [letter] Heiden D, et al. **JAMA** 1981 Jul 24–31;246(4):330–1

Prolonged bleeding time in children and young adults with hemophilia. Buchanan GR, et al. **Pediatrics** 1980 Dec; 66(6):951–5

Standardization of the bleeding time. Bowie EJ, et al. **Scand J Haematol** 1980;25(Suppl 37):87–94 (46 ref.)

A sex difference in the bleeding time. Bain B, et al. **Thromb Haemost** 1980 Jun 18;43(2):131–2

Increased bleeding during liver resection in ethanol-intoxicated rats. Bengmark S, et al. **Thromb Haemost** 1980 Jul 15;43(3):203–7

[Comparative study on peroperative bleeding time in tonsillectomy performed according to 2 methods: Sluder's and Popper's] Muller PA, et al. **Acta Otorhinclaryngol Belg** 1979;33(6):976–84 (Eng. Abstr.) **(Dut)**

[Limits of platelet aggregation tests for investigating thromboses (author's transl)] Sie P, et al. **Nouv Presse Med** 1980 Oct 4;9(36):2629–32 (Eng. Abstr.) **(Fre)**

[An assessment of platelet function in beta-thalassaemia (author's transl)] Fernández de Castro Pombo M, et al. **Sangre (Barc)** 1980;25(5):535–40 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

[Thrombocyte Aggregometer 78--an apparatus for turbidimetric measurement of the spontaneous platelet aggregation time] Norden C, et al. **Z Med Lab Diagn** 1980; 21(3):151–4 **(Ger)**

METHODS

A comparison of methods for the study of platelet hyperfunction in thromboembolic disorders. Chen YC, et al. **Br J Haematol** 1980 Oct;46(2):263–8

In-8-hydroxyquinoline platelet labeling in dogs. Porter–Fink VL, et al. **J Surg Res** 1981 Jul;31(1):87–92

A practical approach to disorders of hemostasis. Horwitz CA. **Postgrad Med** 1981 Mar;69(3):79–93

A simple method for estimation of lipoxygenase and cyclo–oxygenase pathways in human platelets--the use of thiobarbituric acid reaction. Takayama H, et al. **Thromb Haemost** 1980 Dec 19;44(3):111–4

VETERINARY

Prolonged bleeding time in Aleutian mink associated with a cyclo–oxygenase–independent aggregation defect and nucleotide deficit in blood platelets. Bell TG, et al. **Am J Vet Res** 1980 Jun;41(6):910–4

Influence of the strain on bleeding time in rats. Marone L, et al. **Boll Chim Farm** 1981 Feb;120(2):108–13

PLATELET NUMBER see **PLATELET COUNT**

PLATELETPHERESIS see under **CELL SEPARATION**

PLATELETS see **BLOOD PLATELETS**

PLATINUM

Platinum interactions with nucleic acids: insights from model compounds. de Castro B, et al. **Agents Actions [Suppl]** 1981; 8:435–64 (60 ref.)

Viscosity, nicking, thermal and alkaline denaturation studies on three classes of DNA–platinum complex. Butour JL, et al. **Biochim Biophys Acta** 1981 May 29;653(3):305–15

Electrical stimulation with pt electrodes. IV. Factors influencing Pt dissolution in inorganic saline. McHardy J, et al. **Biomaterials** 1980 Jul;1(3):129–34

Electrical stimulation with Pt electrodes. V. The effect of protein on Pt dissolution. Robblee LS, et al. **Biomaterials** 1980 Jul;1(3):135–9

A simple function describing the absorption in platinum for dose–rate calculations around radium applicators. Toepfer KD, et al. **Br J Radiol** 1980 Nov;53(635):1078–82

Chronic threshold of stimulating electrodes: comparison of activated vitreous carbon with conventional platinum–iridium electrodes in animal tests. Richter GJ, et al. **Med Prog Technol** 1981;8(2):67–76

ADMINISTRATION & DOSAGE

The adjuvant treatment of inoperable stage III and IV epidermoid carcinoma of the head and neck with platinum and bleomycin infusions prior to definitive radiotherapy: an RTOG pilot study. Glick JH, et al. **Cancer** 1980 Nov 1;46(9):1919–24

ADVERSE EFFECTS

[Electrochemical activity at implanted metal electrodes as a response of the brain to injury] Shvets–Téněta–Guriĭ TB. **Zh Vyssh Nerv Deiat** 1981 Jan–Feb;31(1):148–57 (Eng. Abstr.) **(Rus)**

ANALYSIS

The determination of platinum in biological fluid by means of graphite furnace atomic absorption spectrometry. Smeyers–Verbeke J, et al. **Clin Chim Acta** 1981 Jul 1; 113(3):329–33

BLOOD

Platinum levels in human erythrocytes following intravenous administration of cisplatin: importance of erythrocytes as a distribution site for platinum species. Long DF, et al. **Biopharm Drug Dispos** 1981 Apr–Jun;2(2):137–46

Determination of platinum in serum and ultrafiltrate by flameless atomic absorption spectrophotometry. Hull DA, et al. **J Pharm Sci** 1981 May;70(5):500–2

Potential effects of edema on the pharmacokinetics of platinum in patients treated with cis–dichlorodiammine platinum (II). Buice RG, et al. **Res Commun Chem Pathol Pharmacol** 1980 Dec; 30(3):447–57

METABOLISM

The effect of heavy metal chelators on the renal accumulation of platinum after cis–dichlorodiammineplatinum II administration to the rat. Graziano J, et al. **Br J Pharmacol** 1981 Jul;73(3):649–54

PHARMACODYNAMICS

Histamine releasing and histamine binding action of platinum and palladium compounds. Tomilets VA, et al. **Arch Immunol Ther Exp (Warsz)** 1980;28(6):953–7

Platinum drugs: combined anti–lymphoproliferative and nephrotoxicity assay in rats. Aggarwal SK, et al. **Cancer Chemother Pharmacol** 1980 Nov;4(4):249–58

Synthesis of seleno– and thioguanine–platinum(II) complexes and their antitumor activity in mice. Maeda M, et al. **J Med Chem** 1981 Feb;24(2):167–9

Relation of conformation to antitumor activity of platinum(II) complexes of 1,2–cyclohexanediamine and 2–(aminomethyl)cyclohexylamine isomers against leukemia P388. Noji M, et al. **J Med Chem** 1981 May;24(5):508–15

1,2–Diaminocyclohexane platinum derivatives of potential clinical value. Burchenal JH, et al. **Recent Results Cancer Res** 1980;74:146–55

Platinum compounds with anti–tumour activity. Plooy AC, et al. **Toxicology** 1980;17(2):169–76

[Spectrofluorometric topography of the ATPase center of Ca2+–Mg2+–dependent ATPase of sarcoplasmic reticulum by means of platinum and palladium compounds] Tat'ianenko LV, et al. **Mol Biol (Mosk)** 1981 Mar–Apr; 15(2):424–9 (Eng. Abstr.) **(Rus)**

[Mutagenic action of platinum and palladium compounds on bacteria] Suraĭkina TI, et al. **Tsitol Genet** 1979 Nov–Dec; 13(6):486–91 (Eng. Abstr.) **(Rus)**

PLATYBASIA

see related **ARNOLD–CHIARI DEFORMITY**

ETIOLOGY

[Hypogonadism, basillary impression, subluxation of the lenses, and other clinical manifestations in a case of neurofibromatosis (author's transl)] Ojeda E, et al. **Med Clin (Barc)** 1981 Feb 10;76(3):132–5 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

[Basilar impressions and associated dysplasias of the upper cervical backbone (author's transl)] Klaus E, et al. **Cesk Radiol** 1980 Nov;34(6):383–8 (Eng. Abstr.) **(Cze)**

SURGERY

Transoral surgery for basilar impression. Pásztor E, et al. **Surg Neurol** 1980 Dec;14(6):473–6

PLATYHELMINTHS

CYTOLOGY

Cytoarchitecture of primitive brains: Golgi studies in flatworms. Keenan CL, et al. **J Comp Neurol** 1981 Feb 1;195(4):697–716

ENZYMOLOGY

The enzymes of pyrimidine biosynthesis in a range of parasitic protozoa and helminths. Hill B, et al. **Mol Biochem Parasitol** 1981 Feb;2(3–4):123–34

GROWTH & DEVELOPMENT

[Oncomiracidia and phylogenesis of Monogenea (Plathelminthes). Part one: Post–larval development (author's transl)] Lambert A. **Ann Parasitol Hum Comp** 1980 Mar–Apr;55(2):165–98 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

Six platyhelminths from Malaysian reptiles including Paradistomoidella cerberi n.g., n.sp. (Digenea: Dicrocoeliidae). Brooks DR, et al. **J Helminthol** 1981 Mar; 55(1):39–43

[Metazoan parasites of Boops boops (Linnaeus, 1758) (Teleostean Sparidae) in the 'Golfe du Lion', faunistic and ecology (author's transl)] Renaud F, et al. **Ann Parasitol Hum Comp** 1980 Jul–Aug;55(4):467–76 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Neuronal repair and avoidance behavior in the flatworm, Notoplana acticola. Faisst J, et al. **J Neurobiol** 1980 Sep; 11(5):483–96

ULTRASTRUCTURE

Unique eye of probable evolutionary significance. Eakin RM, et al. **Science** 1981 Mar 13;211(4487):1189–90

PLATYPUS see under **MONOTREMATA**

PLATYRRHINA see **CEBIDAE**

PLAY AND PLAYTHINGS

Occupational therapy behavior in pediatrics. A play skills inventory: a competency monitoring tool for the 10 year old. Hurff JM. **Am J Occup Ther** 1980 Oct;34(10):651–6

The therapeutic use of games with mentally retarded adults. Kielhofner G, et al. **Am J Occup Ther** 1981 Jun; 35(6):375–82

Social deprivation and play in rats. Panksepp J, et al. **Behav Neural Biol** 1980 Oct;30(2):197–206

Death during play: a study of playground and recreation deaths in children. Nixon J, et al. **Br Med J [Clin Res]** 1981 Aug 8;283(6288):410

Hazards of improvised toys [letter] Wilson N. **Br Med J [Clin Res]** 1981 Apr 25;282(6273):1401

Some conditions affecting manipulative play with objects in severely mentally handicapped children. Thomas GV, et al. **Child Care Health Dev** 1981 Jan–Feb;7(1):1–20

Pretend play and patterns of cognition in Down's syndrome children. Hill PM, et al. **Child Dev** 1981 Jun;52(2):611–7

Gender constancy and the effects of sex–typed televised toy commercials. Ruble DN, et al. **Child Dev** 1981 Jun; 52(2):667–73

The ontogeny of play in rats. Panksepp J.

Dev Psychobiol 1981 Jul;14(4):327–32

Television puppet skits as a tool for modeling children's behavior. Bull RW, et al. **Hosp Community Psychiatry** 1980 Oct;31(10):706–7

Clinical assessment in infancy utilizing structured playroom situations. Gaensbauer TJ, et al.
J Am Acad Child Psychiatry 1981 Spring;20(2):264–80

Symbolic play and language comprehension in autistic children. Ungerer JA, et al.
J Am Acad Child Psychiatry 1981 Spring;20(2):318–37

A note on developmental trends in the symbolic play of hospitalized profoundly retarded children. Whittaker CA. **J Child Psychol Psychiatry** 1980 Jul;21(3):253–61

Visual short-term memory and aging in chess players. Charness N. **J Gerontol** 1981 Sep;36(5):615–9

The behaviour of children with Down syndrome in normal playgroups. Sinson JC, et al. **J Ment Defic Res** 1981 Jun; 25(Pt 2):113–20

Loveable synophthalmus? Wolter JR.
J Pediatr Ophthalmol Strabismus 1980 Nov-Dec; 17(6):415–6

Effect of long-term psychosocial stimulation on mental development of severely malnourished children. Grantham-McGregor S, et al. **Lancet** 1980 Oct 11; 2(8198):785–9

Play: a form of hyperactivity and aggression. Voith VL. **Mod Vet Pract** 1980 Jul;61(7):631–2

Play behavior interpreted as aggression or hyperactivity: case histories. Voith VL. **Mod Vet Pract** 1980 Aug;61(8):707–9

Minibikes. Van Rooy CW. **Pediatrics** 1981 Jan;67(1):154

Spatial perspective-taking and pretend play. Matthews WS, et al. **Percept Mot Skills** 1980 Aug;51(1):49–50

Temporal boundary of the sensitive period for hormonal organization of social play in juvenile rats. Beatty WW, et al. **Physiol Behav** 1981 Feb;26(2):241–3

Intimate play and marital adaptation. Betcher RW. **Psychiatry** 1981 Feb;44(1):13–33

Symbolic play in language-impaired and normal children. Gordon SA. **S Afr J Commun Disord** 1979;26:97–110

The effects of schistosomiasis on spontaneous play activity in black schoolchildren in the endemic areas. An ethological study. Kvalsvig JD. **S Afr Med J** 1981 Jul 11; 60(2):61–4

Technology at parent level. Jefcoate R.
Spec Educ Forward Trends 1980 Jun;7(2):20

Developing children's play. McConkey R, et al.
Spec Educ Forward Trends 1980 Jun;7(2):21–3

[Lead and cadmium in paints on toys and coloring crayons] Iliano B. **Arch Belg Med Soc** 1980 Mar;38(3):163–8 (Eng. Abstr.) **(Fre)**

[Genetic and phylogenetic aspects of games and sports (author's transl)] Jörgensen G. **MMW** 1981 Jun 19; 123(25):1039–42 (Eng. Abstr.) **(Ger)**

[Problems of toy disinfection in nurseries] Franz RD, et al. **Z Gesamte Hyg** 1980;26(10):699–701 (Eng. Abstr.) **(Ger)**

[Correlation between the right and left parietal lesions in the cerebrovascular diseases and the ability to perform 'go' and other games (author's transl)] Kaneko M, et al.
No To Shinkei 1981 Feb;33(2):149–54 (Eng. Abstr.) **(Jpn)**

[Hygienic evaluation of polymeric materials used for the manufacture of children's toys] Pestova AG. **Gig Sanit** 1981 Mar;(3):82–3 **(Rus)**

[Diagnosis of speech and hearing disorders in children with the aid of play tonal audiometry] Liakh GS.
Vestn Otorinolaringol 1980 Sep-Oct;(5):70–3 (Eng. Abstr.) **(Rus)**

[Psychosensory education and rehabilitation based on a game praxis. Hearing. Touch] Málaga Guerrero J, et al.
An Otorrinolaringol Ibero Am 1981;8(1):5–30 **(Spa)**

PLAY THERAPY

Effects of play therapy on hyperkinetic children with psychomotor epilepsy. Kawai I, et al.
Folia Psychiatr Neurol Jpn 1980;34(3):400–1

Activating articulation skills through theraplay. Kupperman P, et al. **J Speech Hear Disord** 1980 Nov;45(4):540–8

Creative therapy for hospitalized children. Bjornsdottir S.
Paediatrician 1980;9(3–4):198–202

Preparation for procedures and surgery through play. Chan JM. **Paediatrician** 1980;9(3–4):210–9

The value of play therapy in hospital. Harvey S.
Paediatrician 1980;9(3–4):191–8

Therapeutic use of play. Lindquist I. **Paediatrician** 1980; 9(3–4):203–9

The child in hospital: early stimulation and therapy through play: an introduction. Newman L, et al. **Paediatrician** 1980; 9(3–4):147–50

Play therapy in the pediatric out-patient department. Zilliacus K, et al. **Paediatrician** 1980;9(3–4):224–30

[Therapy of a child with neurotic development and behavior disorders] Tuchscheerer G.
Psychiatr Neurol Med Psychol (Leipz) 1981 Feb; 33(2):118–26 (Eng. Abstr.) **(Ger)**

[Peculiar aspects of psychotherapy of children] Milea S, et al. **Rev Med Interna [Neurol Psihiatr]** 1981 Jan-Mar; 26(1):1–13 (13 ref.) (Eng. Abstr.) **(Rum)**

[An attempt at therapy by play in children with Kanner's early infantile autism (author's transl)] Zátopek P, et al. **Cesk Psychiatr** 1980 Jun;76(3):176–82 (Eng. Abstr.) **(Slo)**

METHODS

Play-diagnosis and therapy in Sweden: the Erica-method. Sjolund M. **J Clin Psychol** 1981 Apr;37(2):322–5

Behavioral observation of children during play therapy: preliminary development of a research instrument. Howe PA, et al. **J Pers Assess** 1981 Apr;45(2):168–82

Innovative programs in a health care setting. Menezes L. **Soc Work Health Care** 1980 Fall;6(1):101–5

PLEASURE-PAIN PRINCIPLE

The opponent-process theory of acquired motivation: the costs of pleasure and the benefits of pain. Solomon RL. **Am Psychol** 1980 Aug;35(8):691–712

PLETHYSMOGRAPHY

Functional aspects on the Klippel-Trénaunay and related syndromes. Björkholm M, et al.
Acta Derm Venereol (Stockh) 1980;60(5):409–13

Negative phleborheography: clinical follow-up in 593 patients. Stallworth JM, et al. **Arch Surg** 1981 Jun; 116(6):795–7

Phleborheography: a correlative study with venography. Elliott JP Jr, et al. **Henry Ford Hosp Med J** 1980; 28(4):189–92

Neurosurgical applications of ocular pneumoplethysmography. Bingham WF. **J Neurosurg** 1981 May;54(5):588–95

Non-invasive evaluation by thermistor plethysmography of left ventricular performance during dynamic exercise. Comparison with echocardiography. Ferro G, et al.
Jpn Heart J 1981 May;22(3):335–43

Carotid phonoangiography and oculoplethysmography for noninvasive evaluation of carotid occlusive disease. Dietzen CD, et al. **South Med J** 1981 Jul;74(7):796–8

Accuracy of digitalized differential pulse timing oculoplethysmography. Archie JP Jr, et al.
Surg Gynecol Obstet 1981 Mar;152(3):259–61

The effect of hematocrit on photoelectric plethysmogram. Ochoa W, et al. **Tohoku J Exp Med** 1980 Dec;132(4):413–9

[Measurement of split thoracic impedance during ventilation in a lateral decubitus position] Dautzenberg B, et al.
Agressologie 1980;21(C):169–73 (Eng. Abstr.) **(Fre)**

[Personal experience of sleep plethysmography in the differential diagnosis of erection disturbances (author's transl)] Leandri P, et al. **J Urol (Paris)** 1981;87(1):23–6 (Eng. Abstr.) **(Fre)**

[Plethysmography in phlebology] Partsch H. **Hautarzt** 1981 Feb;32(2):59–62 (Eng. Abstr.) **(Ger)**

[Study of some digital plethysmographic parameters of the hand in healthy subjects in view to application in occupational health (author's transl)] Tomasini M, et al. **Med Lav** 1980 Jul-Aug;71(4):312–27 (Eng. Abstr.) **(Ita)**

[Recording of the digital sphygmic activity in the lower extremities with the photoplethysmographic and strain-gauge methods. Morphology of the sphygmic wave and determination of systolic pressure in normal and arteriopathic subjects] Cesarini V, et al.
Minerva Cardioangiol 1980 Jun;28(6):437–44 (Eng. Abstr.) **(Ita)**

[New method for calculating the maximum venous flow with strain gauge plethysmography] Giuntini F, et al.
Minerva Cardioangiol 1980 May;28(5):351–4 (Eng. Abstr.) **(Ita)**

[Reactive hyperemia test under plethysmographic control in the early diagnosis of arteriosclerosis obliterans of the lower limbs] Mc Cook Martínez J, et al. **Angiologia** 1981 May-Jun;33(3):123–8 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Ocular pneumoplethysmography after lens implantation [letter] Faulkner HW. **J Am Intraocul Implant Soc** 1980 Oct;6(4):369–70

INSTRUMENTATION

Venous occlusion plethysmography with mercury-in-rubber strain gauges. Raman ER, et al. **Acta Anaesthesiol Belg** 1980;31(1):5–14

A comparison of the strain-gauge and the Dohn air-filled plethysmographs for blood flow measurements in the human calf. Eickhoff JH, et al. **Acta Chir Scand [Suppl]** 1980;502:15–20

Evaluation of internal carotid stenosis with the Chronopulse, an automated ocular pulse arrival time recorder. Baker JD, et al. **Am J Surg** 1981 Aug;142(2):212–5

Respiratory induction plethysmography (Respitrace): an evaluation of its use in the infant. Duffty P, et al.
Am Rev Respir Dis 1981 May;123(5):542–6

Effects of breathing through external dead space on ventilation at rest and during exercise. II. Sackner JD, et al. **Am Rev Respir Dis** 1980 Dec;122(6):933–40

Non-invasive measurement of ventilation during exercise using a respiratory inductive plethysmograph. I. Sackner JD, et al. **Am Rev Respir Dis** 1980 Dec;122(6):867–71

Assessment of cardiac function in children using the photoplethysmographic variant of poligraphy. Marni E, et al. **Boll Chim Farm** 1980 Jul;119(7):423–8

[Phallography : a new technique for the detection of impotence (author's transl)] Schulman CC, et al.
Rev Med Brux 1981 Jan;2(1):25–6 (Eng. Abstr.) **(Fre)**

[A simple device for determining the slopes of recorded curves (author's transl)] Lücke B, et al.
Biomed Tech (Berlin) 1980 Sep;25(9):216–20 (Eng. Abstr.) **(Ger)**

[Strain-gauge-plethysmography in consideration with finger venous occlusion plethysmography. A critical view of its methods and diagnostic possibilities (author's transl)] Schlögel R, et al. **Z Kardiol** 1981 Jun;70(6):481–7 (Eng. Abstr.) **(Ger)**

METHODS

Clinical screening of preoperative patients for carotid occlusive disease by oculoplethysmography. Jain KM, et al. **Am Surg** 1980 Dec;46(12):679–85

Venous plethysmography: measuring techniques and normal values. Pointel JP, et al. **Angiology** 1981 Mar;32(3):145–54

Oculoplethysmography/carotid phonoangiography: its value as a screening test in patients with suspected carotid artery stenosis. Keagy BA, et al. **Arch Surg** 1980 Oct; 115(10):1199–202

Oculopneumoplethysmography: its relationship to intraoperative cerebrovascular hemodynamics. O'Hara PJ, et al. **Arch Surg** 1980 Oct;115(10):1156–8

The measurement of peripheral blood flow by the electrical impedance technique. Mohapatra SN, et al.
J Med Eng Technol 1979 May;3(3):132–7

A noninvasive method for assessing lower extremity venous function. Collins JT, et al. **Med Instrum** 1980 Sep-Oct; 14(5):268–9

Use of combined oculoplethysmography, carotid phonoangiography and Doppler in the non-invasive diagnosis of extracranial carotid occlusive disease. Kapsch D, et al. **Stroke** 1981 May-Jun;12(3):317–21

Evaluation of cerebrovascular Doppler examination and oculopneumoplethysmography in a clinical perspective. Lynch TG, et al. **Stroke** 1981 May-Jun;12(3):325–30

Oculoplethysmography and pulsed Doppler ultrasonic imaging in diagnosis of carotid arterial disease. Hobson RW 2d, et al. **Surg Gynecol Obstet** 1981 Apr;152(4):433–6

Toe blood pressure by photoplethysmography: an index of healing in forefoot amputation. Bone GE, et al. **Surgery** 1981 May;89(5):569–74

Ocular pneumoplethysmography [letter] Gee W. **Surgery** 1981 Jan;89(1):138–9

[Ocular pneumo-plethysmography as a diagnostic aid in carotid artery stenosis] van der Merwe DM, et al.
S Afr J Surg 1981 Mar;19(1):29–35 (Eng. Abstr.) **(Afr)**

[Assessment of carotid obstruction using oculopneumoplethysmography] Eikelboom BC, et al.
Ned Tijdschr Geneeskd 1981 Aug 1;125(31):1227–31 (Eng. Abstr.) **(Dut)**

[Effects of temperature on semiconductor photoelectric transducer and their elimination: reflection-photoplethysmograph as an example (author's transl)] Irrgang E. **Biomed Tech (Berlin)** 1981 May; 26(5):106–9 (Eng. Abstr.) **(Ger)**

[Noninvasive measurement of instantaneous arterial blood pressure using vascular unloading technique (author's transl)] Yamakoshi K, et al. **Iyodenshi To Seitai Kogaku** 1980 Sep;18(5):352–9 **(Jpn)**

[Pulse wave and arteriosclerosis] Yoshimura S, et al.
Nippon Rinsho 1980 Sep;38(9):3235–46 **(Jpn)**

STANDARDS

Standardization of venous distensibility measurements in plethysmography. Van de Heyning-Meier J. **Angiology** 1980 Nov;31(11):767–78 (42 ref.)

PLETHYSMOGRAPHY, IMPEDANCE

Comparison of the cardiovascular effects of amitriptyline and zimelidine using thoracic impedance cardiography. Christie JE, et al. **Acta Psychiatr Scand [Suppl]** 1981;63(Suppl 290):385–92

Abnormal left ventricular contraction revealed by impedance cardiograms and arterial tracings in bundle branch blocks and old myocardial infarcts. Luisada AA, et al.
Angiology 1981 Jul;32(7):439–47

Replacement of venography in suspected venous thrombosis by impedance plethysmography and 125I-fibrinogen leg scanning: a less invasive approach. Hull R, et al.
Ann Intern Med 1981 Jan;94(1):12–5

Influence of respiration on stroke volume determined by impedance cardiography. Doerr BM, et al.
Aviat Space Environ Med 1981 Jul;52(7):394–8

Effect of mitral valvular regurgitation on transthoracic impedance cardiogram. Schieken RM, et al. **Br Heart J** 1981 Feb;45(2):166–72

Evaluation of diuretic therapy by impedance cardiography in acute myocardial infarction. Gabriel S, et al.
Clin Cardiol 1980 Oct;3(5):342–7

Impedance cardiography in normal children. Barbacki M, et al. **Cor Vasa** 1981;23(3):190–6

A generalization of the Geselowitz relationship useful in impedance plethysmographic field calculations. Mortarelli JR. **IEEE Trans Biomed Eng** 1980 Nov;27(11):665–7

Thoracic resistivity for stroke volume calculation in impedance cardiography. Quail AW, et al.
J Appl Physiol 1981 Jan;50(1):191–5

The calibrated impedance plethysmograph: laboratory and clinical studies. Van de Water JM, et al.

J Cardiovasc Surg (Torino) 1980 Jul-Aug;21(4):463-8
Impedance cardiography in mitral valve disease. Parulkar GB, et al. **J Postgrad Med** 1980 Jul;26(3):155-61
Noninvasive measurement of cardiac output during laparoscopy. McKenzie R, et al. **J Reprod Med** 1980 Jun; 24(6):247-50
Problems of impedance cardiography. Sakamoto K, et al. **Med Biol Eng Comput** 1979 Nov;17(6):697-709
Experimental study of the relationship between the base impedance and its time derivative in impedance plethysmography. Djordjevich L, et al. **Med Phys** 1981 Jan-Feb;8(1):76-8
Importance of EEG of quantitative evaluation for estimating cerebral blood flow in transient ischemic attacks (TIA) in the carotid territory. Nguyen XT.
Neurol Psychiatr (Bucur) 1980 Jul-Sep;18(3):181-94
Relationship between the electroencephalogram and the rheoencephalogram in the normal young adult. Jacquy J, et al. **Neuropsychobiology** 1980;6(6):341-8
Alterations of occlusive cuff impedance plethysmography results in the obstetric patient. Clarke-Pearson DL, et al. **Surgery** 1981 May;89(5):594-8
[Comparative evaluation of the cardiac stroke and minute volumes by impedance cardiography and radiocardiography] Draganov V, et al. **Vutr Boles** 1980; 19(5):28-33 (Eng. Abstr.) **(Bul)**
[Pulmonary rheograph in the experimental study of lung circulation (author's transl)]
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1979;2(3):153-4 **(Chi)**
[Rheopulmonogram in anthracosilicosis and its complications (author's transl)] Li GC.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1980 Sep;3(3):157-9 **(Chi)**
[A preliminary study of the characteristic of the first derivative impedance cardiogram in coronary heart disease (author's transl)] Deng KB.
Chung Hua Hsin Hsueh Kuan Ping Tsa Chih 1979; 7(3):205-9 (Eng. Abstr.) **(Chi)**
[A simple equation for the determination of cardiac output by impedance method (author's transl)] Kuang MX, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Mar; 9(1):58-60 **(Chi)**
[Measurement of cardiac output by the impedance method on 300 normal subjects] Shen YT, et al.
Chung Hua Hsin Hsueh Kuan Ping Tsa Chih 1980;8(1):53-5 **(Chi)**
[Principles of rheohepatography and the preliminary survey on its clinical application (author's transl)] Dong CR.
Chung Hua Nei Ko Tsa Chih 1979;18(6):430-4 **(Chi)**
[The value of rheoencephalography and brain transit time in the study of cerebral circulation (author's transl)] Wang LH. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1980; 13(3):143-6 **(Chi)**
[Study of respiratory dysrhythmia using thoracic impedance rheography] Nouailhat F, et al. **Agressologie** 1980; 21(B):49-61 (Eng. Abstr.) **(Fre)**
[Measurement of electrical impedances of each lung. Assessment of the technique (author's transl)] Dautzenberg B, et al. **Bull Eur Physiopathol Respir** 1981;17(3):419-26 (Eng. Abstr.) **(Fre)**
[Transthoracic electrical impedance (author's transl)] Stick C. **Eur J Applied Physiol** 1981;46(2):199-210 (Eng. Abstr.) **(Ger)**
[Rheographic evaluation of peripheral blood flow during isometric exercise] Cifaldi S, et al.
Boll Soc Ital Biol Sper 1980 Feb 29;56(4):369-75 (Eng. Abstr.) **(Ita)**
[Bilateral rheographic examination of the lower extremities in venous thrombosis] Montemurro G, et al.
Boll Soc Ital Cardiol 1979;24(10):1135-42 **(Ita)**
[Microcirculation and substance exchange through it --- methods and principles. (4) The role of plasma colloid osmotic pressure in transcapillary fluid movement] Kakiuchi Y, et al. **Iyodenshi To Seitai Kogaku** 1980 Sep; 18(5):373-9 (44 ref.) **(Jpn)**
[Hemodynamic studies of arrhythmia after mitral valve operation--observation of the stroke volume by impedance cardiography (author's transl)] Kotake T.
Nippon Kyobu Geka Gakkai Zasshi 1980 Aug;28(8):1249-63 (Eng. Abstr.) **(Jpn)**
[Results of rheoencephalographic studies in chronic subdural hematoma] Borucki Z. **Neurol Neurochir Pol** 1980; 14(6):633-7 (Eng. Abstr.) **(Pol)**
[Rheoophthalmographic studies in iridocyclitis] Krivitskiĭ AK, et al. **Oftalmol Zh** 1980;35(5):295-7 (Eng. Abstr.) **(Rus)**
[Rheohepatography in peritonitis in children] Kosiakov GA, et al. **Pediatriia** 1980 Oct;(10):62-3 **(Rus)**
[Mechanisms of formation of intravascular rheoplethysmograms in the pulmonary artery system] Petrash VV, et al. **Vestn Khir** 1981 Jun;126(6):6-10 **(Rus)**
[Rheoencephalography in memory evaluation of patients with vascular pathology of the brain] Kamianov IM. **Zh Nevropatol Psikhiatr** 1980;80(9):1306-9 (Eng. Abstr.) **(Rus)**
[Electroencephalography, rheoencephalography, and echoencephalography in children with different forms of mumps] Zinchenko AP, et al. **Zh Nevropatol Psikhiatr** 1981; 81(2):33-7 (Eng. Abstr.) **(Rus)**
[Rheoencephalographic study of the effect of direct and verbal stimuli in 6.5--7-year-old children] Manevskiĭ SE. **Zh Vyssh Nerv Deiat** 1980 Nov-Dec;30(6):1288-90 **(Rus)**

INSTRUMENTATION

N2O--meter, a device for the determination of the nitrous oxide concentration. Zderkiewicz E. **Acta Med Pol** 1980; 21(3):277-81
Fast integrated flow plethysmograph for small mammals. Sinnett EE, et al. **J Appl Physiol** 1981 May;50(5):1104-10
Dual-channel self-balancing impedance plethysmograph for vascular studies. Arenson JS, et al.
Med Biol Eng Comput 1981 Mar;19(2):157-64
[Plethysmography of the nasal turbinate bones with a device of own design (author's transl)] Mikulewicz W, et al. **Otolaryngol Pol** 1980;34(5):451-60 (Eng. Abstr.) **(Pol)**
[Device for increasing the number of recorded parameters in rheographic studies] Zhukovskiĭ LI, et al.
Probl Tuberk 1981;(3):74-5 **(Rus)**
[Current approaches to the study of peripheral blood circulation using a new Soviet-made apparatus] Almazov II, et al. **Ter Arkh** 1980;52(12):53-5 (Eng. Abstr.) **(Rus)**

METHODS

The effect of atrial rhythm on the thoracic impedance cardiogram. Karnegis JN, et al. **Am J Med Sci** 1980 Jul-Aug;280(1):17-20
On-line computation of the stroke volume from the systolic stroke of the thoracic impedance. Part 1: method and automatic evaluation. Prestele K, et al.
Biomed Tech (Berlin) 1980 Nov;25(11):274-8
Considerations on impedance cardiography. Casthély P, et al. **Can Anaesth Soc J** 1980 Sep;27(5):481-4
Basic principles of electrohaemodynamics. Djordjevich L, et al. **J Biomed Eng** 1981 Jan;3(1):25-33
A method for the calculation of blood flow in human digital arteries. Blair WF, et al. **J Hand Surg** 1981 Jan;6(1):90-6
The measurement of peripheral blood flow by the electrical impedance technique. Mohapatra SN, et al.
J Med Eng Technol 1979 May;3(3):132-7
Continuous limb blood flow estimation in the newborn using electrical impedance plethysmography. Costeloe K, et al. **Pediatr Res** 1980 Sep;14(9):1053-60
Continuous quantitative local cerebral blood flow measurement. Calibration of thermal conductivity measurements by the hydrogen clearance method. Cusick JF, et al. **Stroke** 1980 Nov-Dec;11(6):661-4
[Determination of the pulse wave spreading rate by the 1st rheographic derivative] Daskalov M. **Vutr Boles** 1981; 20(1):46-54 (Eng. Abstr.) **(Bul)**
[Impedance plethysmography: its theoretical bases and clinical use] Draganov V, et al. **Vutr Boles** 1980;19(5):62-6 (72 ref.) **(Bul)**
[Comparative evaluation between the impedance method and the Fick method for determining cardiac minute volume] Kotsev P, et al. **Vutr Boles** 1980;19(6):46-9 (Eng. Abstr.) **(Bul)**
[Occlusive rheoangiography as a method of determining basal and maximal blood flow in arteriosclerosis of the legs] Karnafel W, et al. **Kardiol Pol** 1981;24(6):453-6 (Eng. Abstr.) **(Pol)**
[Rheography of the eye (author's transl)] Szymański J. **Klin Oczna** 1980 Sep;82(9):469-70 **(Pol)**
[Principles of arterial circulation disturbances detection based on Doppler's phenomenon: I. Physical foundations of blood-flow velocity measurements (author's transl)] Warczyński A, et al. **Klin Oczna** 1980 Aug;82(8):431-2 (Eng. Abstr.) **(Pol)**
[Rheoencephalographic examination of patients with stroke in Trendelenburg's position] Pryszmont M, et al.
Neurol Neurochir Pol 1980 Jul-Aug;14(4):383-90 (Eng. Abstr.) **(Pol)**
[Myocardial rheography during electric stimulation of the heart] Dubrovskiĭ IA, et al. **Fiziol Zh SSSR** 1980 Dec; 66(12):1853-6 **(Rus)**
[Pharmacodynamic study of nitroglycerin preparations by methods of tetrapolar rheoplethysmography of the finger and impedance cardiography in ischemic heart disease] Savvateev KL, et al. **Kardiologiia** 1980;20(12):89-92 (Eng. Abstr.) **(Rus)**
[Occlusion rheoplethysmography] Iakovlev GM, et al.
Vestn Khir 1981 Feb;126(2):71-6 (Eng. Abstr.) **(Rus)**
[Integral rheography of the body as a method of evaluation of the circulatory system in surgical diseases] Kolesnikov IS, et al. **Vestn Khir** 1981 Jan;126(1):9-15 (Eng. Abstr.) **(Rus)**
[Rheoencephalography in the clinical examination of otogenic intracranial complications] Bussel' LG.
Vestn Otorinolaringol 1981;(3):41-5 (Eng. Abstr.) **(Rus)**

PLETHYSMOGRAPHY, WHOLE BODY

Comparison of four methods for calculating the total lung capacity measured by body plethysmography. Bohadana AB, et al. **Bull Physiopathol Respir (Nancy)** 1980 Nov-Dec; 16(6):769-76
[Application of body impedance measures performed daily in an intensive care and hemodialysis service] Bernard C, et al. **Agressologie** 1980;21(B):29-34 (Eng. Abstr.) **(Fre)**
[Body impedance measurement: a non-invasive method of monitoring hydration disorders] Echter E, et al.
Agressologie 1980;21(B):35-41 (Eng. Abstr.) **(Fre)**
[The components of body weight in pregnant women determined by electrical impedance measurements of the whole body (author's transl)] Dumont M, et al.
J Gynecol Obstet Biol Reprod (Paris) 1980;9(6):649-53 (Eng. Abstr.) **(Fre)**

INSTRUMENTATION

Correction for nonlinearity of body flow plethysmograph. Harf A, et al. **J Appl Physiol** 1981 Mar;50(3):658-62
[Body plethysmography for measurements at different body positions (author's transl)] Yamauch T, et al.
Kokyu To Junkan 1980 Dec;28(12):1373-7 **(Jpn)**

METHODS

[BTPS-compensation under different climatic conditions in bodyplethysmography (author's transl)] Rafalsky D, et al. **Biomed Tech (Berlin)** 1981 May;26(5):102-5 (Eng. Abstr.) **(Ger)**
[Total-body rheography in surgical diseases of the chest organs] Kolesnikov IS, et al. **Vestn Khir** 1981 Mar; 126(3):114-21 (Eng. Abstr.) **(Rus)**

PLEURA

Thoracoscopy for retrieval of intrathoracic foreign bodies [letter] Brodsky JB, et al. **Anesthesiology** 1981 Jan; 54(1):91-2
A survey of the long-term effects of talc and kaolin pleurodesis. Research Committee of the British Thoracic Association and the Medical Research Council Pneumoconiosis Unit. **Br J Dis Chest** 1979 Jul;73(3):285-8
Diagnostic and therapeutic pleuroscopy. Experience with 127 patients. Weissberg D, et al. **Chest** 1980 Nov;78(5):732-5
[Anesthesia for pleuroscopy. Importance of intubation with the Carlens tube for a selective diagnosis of emphysematous bullae in primary spontaneous pneumothorax] Cardaci SB, et al. **Minerva Anestesiol** 1981 Mar;47(3):103-6 (Eng. Abstr.) **(Ita)**
[Phenomenon of the pleural friction sound in acute surgical diseases of the organs of the upper part of the abdominal cavity] Bashkov IuA. **Klin Med (Mosk)** 1980;58(11):21-4 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Congenital bronchopleurocutaneous fistula [letter] Bashour T, et al. **Chest** 1981 Apr;79(4):489

ANALYSIS

Asbestos retention in human respiratory tissues: comparative measurements in lung parenchyma and in parietal pleura. Sebastien P, et al. **IARC Sci Publ** 1980;1(30):237-46

ANATOMY & HISTOLOGY

[Roentgenologic measurement of right paratracheal stripe and its clinical significance (author's transl)] Zhu JW.
Chung Hua Fang She Hsueh Tsa Chih 1981 Feb;15(1):38-9 **(Chi)**

CYTOLOGY

Lung mechanics and a simultaneous comparison of alveolar, pleural and peritoneal phagocytic cells lavaged from fasted infection-free oxygen toxic rats. Smith RM, et al. **Chest** 1981 Jul;80(1 Suppl):15-8
Culture of epithelial cells from the rat pleura. Aronson JF, et al. **In Vitro** 1981 Jan;17(1):61-70

INJURIES

[Complications of subclavian vein puncture during artificial respiration] Manturov AI. **Vestn Khir** 1981 Jan;126(1):141-3 **(Rus)**

INNERVATION

[Pleural mechanoreceptors] Giačová D, et al. **Cesk Fysiol** 1981 May;30(3):233-5 **(Slo)**

METABOLISM

Penetration into the pleural fluid after bacampicillin and amoxycillin. Daschner FD, et al.
J Antimicrob Chemother 1981 May;7(5):585-8
[Hyperexudation and disturbed pleural resorption capacity after hemostasis with hot gauze tampons] Meladze GD, et al. **Grudn Khir** 1981 Jul-Aug;(4):66-7 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Cytologic manifestation of rheumatoid arthritis in pleural effusion: a case report. Keagle M, et al.
Acta Cytol (Baltimore) 1981 Jan-Feb;25(1):33-9
Needle biopsy of the pleura in Nigeria. Onadeko BO, et al. **Br J Dis Chest** 1979 Jul;73(3):282-4
Modification to the technique of percutaneous pleural biopsy using Abrams' needle. Raja OG, et al. **Br J Dis Chest** 1980 Jul;74(3):285-6
Pulmonary and pleural involvement in angio-immunoblastic lymphadenopathy. Siegler D, et al. **Br J Dis Chest** 1980 Jul;74(3):296-300

Pleural plaques and lung function in construction workers exposed to asbestos. Hedenstierna G, et al. **Eur J Respir Dis** 1981;62(2):111–22

Dorsal pleural plaques in the lateral projection. Hillerdal G. **Eur J Respir Dis** 1981;62(2):140–1

How pleural mesothelial cells react in vitro with chrysotile fibres. Kaplan H, et al. **IARC Sci Publ** 1980;1(30):451–7

Pleural plaques and lung asbestos bodies in the general population: an autoptical and clinical–radiological survey. Rubino GF, et al. **IARC Sci Publ** 1980;2(30):545–51

Nonthoracotomy diagnostic techniques. Rhodes ML. **J Indiana State Med Assoc** 1981 Apr;74(4):215–9

Gastrointestinal carcinoma and occurrence of pleural plaques on pulmonary X-ray. Hillerdal G. **JOM** 1980 Dec; 22(12):806–9

Multiple pleural biopsy with the Abrams needle. Mungall IP, et al. **Thorax** 1980 Aug;35(8):600–2

[Generalized dysimmune amyloidosis diagnosed by pleural biopsy (letter)] Galian A, et al. **Nouv Presse Med** 1981 May 2;10(20):1660 **(Fre)**

[Results of needle–biopsy of the pleura (author's transl)] Huguenin–Dumittan S, et al. **Poumon Coeur** 1981 Jan–Feb; 37(1):35–50 (Eng. Abstr.) **(Fre)**

[Multiple pleural biopsies : a simplified technique (author's transl)] Martin–Lalande J. **Poumon Coeur** 1981 Jan–Feb; 37(1):53–6 (Eng. Abstr.) **(Fre)**

[Experiences with the transthoracal pleura and lung biopsy under thoracoscopic control (author's transl)] Wendel H, et al. **Z Erkr Atmungsorgane** 1980;155(1):89–94 (Eng. Abstr.) **(Ger)**

[Structure of the visceral pleura of fetuses and newborns depending on gestational age according to contact microscopic data] Andreeva TV. **Vopr Okhr Materin Det** 1980 Aug;25(8):48–52 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Esophageal and intrapleural pressures in the healthy conscious pony. Derksen FJ, et al. **Am J Vet Res** 1980 Nov;41(11):1756–61

The effects of intrapleural pressure on respiratory insufficiency. Ramenofsky ML. **J Pediatr Surg** 1979 Dec; 14(6):750–6

Transpleural diffusion of carbon dioxide. Plewes JL, et al. **Respir Physiol** 1981 May;44(2):187–94

PHYSIOPATHOLOGY

Intrapleural cough pressure in patients after thoracotomy. Yamazaki S, et al. **J Thorac Cardiovasc Surg** 1980 Oct; 80(4):600–4

RADIOGRAPHY

Chest radiograph appearances following the removal of pleural tubes. Pilbrow W. **Clin Radiol** 1980 Nov;31(6):691–5

Pleural plaques: correlation of autopsy findings to radiographic findings and occupational history. Hillerdal G, et al. **Eur J Respir Dis** 1980 Dec;61(6):315–9

Differential diagnosis of asbestos–induced pleural thickening using computer tomography: a preliminary study. Hosoda Y, et al. **IARC Sci Publ** 1980;2(30):527–36

Progression of asbestos radiographic abnormalities: relationships to estimates of dust exposure and annual decline in lung function. Jones RN, et al. **IARC Sci Publ** 1980;2(30):537–43

Asbestos–related radiological changes in residents of South African amphibole asbestos mining fields and the fibre counts to which they may have been exposed. Sluis–Cremer GK, et al. **IARC Sci Publ** 1980;2(30):559–63

Malignant mesothelioma and radiological chest abnormalities in two villages in Central Turkey. An epidemiological and environmental investigation. Baris YI, et al. **Lancet** 1981 May 2;1(8227):984–7

Pleuropulmonary shadows on bromocriptine [letter] Besser GM, et al. **Lancet** 1981 Feb 7;1(8215):323

[Radiologic demonstration of a transparent bronchial foreign body which migrated to the pleural cavity] Gallo E, et al. **Radiol Med (Torino)** 1980 Mar;66(3):159–61 **(Ita)**

[Primary macroglobulinemia with a radiographic feature of the pulmonary pleural as its major symptom] Sawada K, et al. **Nippon Rinsho** 1980 Sep;38(9):3292–6 **(Jpn)**

SURGERY

Transaxillary pleurectomy for treatment of spontaneous pneumothorax. Deslauriers J, et al. **Ann Thorac Surg** 1980 Dec;30(6):569–74

Chronic pleurisy in systemic lupus erythematosus treated with pleurectomy. Bell R, et al. **Br J Dis Chest** 1979 Jul; 73(3):314–6

An improved and simpler system for drainage of the pleural cavity both in emergency and post–operative conditions. Thompson DT. **Cent Afr J Med** 1981 Jun;27(6):104–10

Intrapleural positioning of esophagus for treatment of swallowing–induced arrhythmia. Burton JR, et al. **Chest** 1981 Mar;79(3):367–8

Early decortication for anaerobic empyema in children. Kosloske AM, et al. **J Pediatr Surg** 1980 Aug;15(4):422–6

[Long–term results of thoracopleuroplasty conducted according to the technique described by Andrews. A report on 73 cases (authors' transl)] Cornet E, et al. **Ann Chir** 1980 Oct;34(8):636–9 (Eng. Abstr.) **(Fre)**

[Repair of long–term cavernostomies and parieto–pleurectomies using myoplasty and cutaneous autoplasty] Hertzog P, et al. **Ann Chir** 1980 Oct;34(8):631–5 (Eng. Abstr.) **(Fre)**

[Value of the small diameter pleural drain in pneumological practice (author's transl)] Carli P, et al. **Poumon Coeur** 1980 Sep–Oct;36(5):331–3 (Eng. Abstr.) **(Fre)**

[Interest of pleurectomy as a complement of emphysematous bullae resections (author's transl)] Eschapasse H, et al. **Rev Fr Mal Respir** 1980;8(2):155–8 (Eng. Abstr.) **(Fre)**

[Surgical–anatomical basis for plastic repair of the remaining pleural cavity after pulmonectomy with lobar displacement of the other lung] Iakovleva IM. **Vestn Khir** 1980 Aug; 125(8):19–22 (Eng. Abstr.) **(Rus)**

[Pleuropneumonectomy with the trans–sternal approach] Ivanov VA. **Vestn Khir** 1981 Jan;126(1):66–71 (Eng. Abstr.) **(Rus)**

[Adhesive pneumopexy in lung and pleural surgery] Kolesnikov IS, et al. **Voen Med Zh** 1981 Jun;(6):28–31 **(Rus)**

PLEURAL DISEASES

The anaesthetic management of a patient with a broncho–pleural fistula and intestinal obstruction. Zideman DA, et al. **Anaesth Intensive Care** 1981 Feb;9(1):58–9

CHEMICALLY INDUCED

Pleural thickening—oxprenolol exonerated. Page RL. **Br J Dis Chest** 1979 Jul;73(3):319

[Pleuro–pulmonary fibrosis caused by methysergide (letter)] Lambard J, et al. **Nouv Presse Med** 1981 Jul 4;10(29):2440–1 **(Fre)**

COMPLICATIONS

[Ways decreasing the number of complications and mortality in repeated operations for lung and pleural diseases] Slepukha IM, et al. **Grudn Khir** 1981 Mar–Apr;(2):61–4 (Eng. Abstr.) **(Rus)**

[Treatment of pleural empyema associated with bronchopleural fistula using drainage and continuous lavage] Glavaš M, et al. **Acta Chir Iugosl** 1980;27 Suppl 1:147–50 **(Scr)**

DIAGNOSIS

Ultrasound in the diagnosis and management of pleural disease. Lipscomb DJ, et al. **Br J Dis Chest** 1980 Oct; 74(4):353–61

The bronchial leak squeak: a new sign for the physical diagnosis of bronchopleurocutaneous fistula. Krumpe P, et al. **Chest** 1981 Mar;79(3):336–9

Ultrasound of the pleura: an assessment of its clinical value. Lipscomb DJ, et al. **Clin Radiol** 1981 May;32(3):289–90

[Symposium on thoracoscopy in pleuro–pulmonary diseases] **Poumon Coeur** 1981 Jan–Feb;37(1):3–77 **(Fre)**

[Thoracoscopy in the diagnosis of pleural diseases] Palojoki A. **Poumon Coeur** 1981 Jan–Feb;37(1):63–5 **(Fre)**

[Results of thoracoscopies in the diagnosis of diseases of the lungs and of the pleura (author's transl)] Voellmy W. **Poumon Coeur** 1981 Jan–Feb;37(1):67–73 (Eng. Abstr.) **(Fre)**

[Thoracoscopy in the diagnosis and treatment of pleuropulmonary affections (author's transl)] Robience YJ, et al. **Rev Med Brux** 1981 Feb;2(2):63–8 (Eng. Abstr.) **(Fre)**

[Pleuro–pulmonary actinomycosis. Report of 4 cases] Cavin R, et al. **Schweiz Med Wochenschr** 1980 Sep 13; 110(37):1328–34 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

[Observations on treating amebiasis of liver, pleura, and lung with metronidazole (author's transl)] Zhou ZS. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1979;2(1):33–4 **(Chi)**

[Conservative treatment of postoperative clotted hemothorax] Briusov PG, et al. **Grudn Khir** 1980 Nov–Dec; (6):52–5 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Pleural paragonimiasis in a Southeast Asia refugee. Minh VD, et al. **Am Rev Respir Dis** 1981 Aug;124(2):186–8

Pleuropulmonary infection due to Corynebacterium striatum. Bowstead TT, et al. **Br J Dis Chest** 1980 Apr;74(2):198–200

Unusual presentations of pleural sarcoidosis. Kanada DJ, et al. **Br J Dis Chest** 1980 Apr;74(2):203–5

Thoracic complications of amoebic liver abscess. Rohde FC, et al. **Br J Dis Chest** 1979 Jul;73(3):302–4

Effect of smoking on attack rates of pulmonary and pleural lesions related to exposure to asbestos dust. McMillan GH, et al. **Br J Ind Med** 1980 Aug;37(3):268–72

The pathogenesis of pleural plaques and pulmonary asbestosis: possibilities and impossibilities. Hillerdal G. **Eur J Respir Dis** 1980 Jun;61(3):129–38 (79 ref.)

Emergency thoracotomy for acquired bronchopleural fistula in the premature infant with respiratory distress. Grosfeld JL, et al. **J Pediatr Surg** 1980 Aug;15(4):416–21

Bronchopleural fistula following pneumonectomy for carcinoma of the bronchus: mechanical stapling versus hand suturing. Forrester–Wood CP. **J Thorac Cardiovasc Surg** 1980 Sep;80(3):406–9

Asbestos pollution and pleural plaques [editorial] **Med J Aust** 1981 May 2;1(9):444

Lymphatic disorders of the lung and pleura. Emerson P. **Practitioner** 1980 Oct;224(1348):1051–4

Rounded atelectasis and its association with asbestos–induced pleural disease. Mintzer RA, et al. **Radiology** 1981 Jun; 139(3):567–70

Traumatic intrathoracic meningocele (traumatic subarachnoid–pleural fistula). Osaka K, et al. **Surg Neurol** 1981 Feb;15(2):137–40

Postpneumonectomy oesophagopleural fistula. Van Den Bosch JM, et al. **Thorax** 1980 Nov;35(11):865–8

[Is there a pleural involvement in bird–breeder alveolitis? (author's transl)] Harf R, et al. **Poumon Coeur** 1980; 36(4):283–4 (Eng. Abstr.) **(Fre)**

[Pleuropulmonary manifestations in leukemia] Maalej M, et al. **Tunis Med** 1979 Nov–Dec;57(6):342–6 (Eng. Abstr.) **(Fre)**

[Esophagopleural fistula after pneumonectomy for bronchogenic carcinoma (author's transl)] Shirakusa T, et al. **Kyobu Geka** 1980;33(7):530–3 (Eng. Abstr.) **(Jpn)**

[A case of perforated ulcer of the gastric fundus with the formation of a gastrodiaphragmatic–pleural fistula and pleural empyema] Shevchuk VR. **Klin Khir** 1981 Apr; (4):69–70 **(Rus)**

OCCURRENCE

Pleural plaques and cigarette smoking in asbestos workers. Weiss W, et al. **JOM** 1981 Jun;23(6):427–30

Pleural calcification in north–west Greece [letter] Bazas T, et al. **Lancet** 1981 Aug 1;2(8240):254

Pleural calcification, pleural mesotheliomas, and bronchial cancers caused by tremolite dust. Yazicioglu S, et al. **Thorax** 1980 Aug;35(8):564–9

[Occurrence of pleural mesothelioma. Chronic fibrosing pleurisy and calcified pleural plaques in Turkey in relation with environmental pollution by mineral fibers (author's transl)] Baris I, et al. **Rev Fr Mal Respir** 1979 Dec; 7(7):687–94 (Eng. Abstr.) **(Fre)**

PATHOLOGY

[Clinical morphological study of suppurative lung and pleural diseases in children undergoing surgical treatment] Boshnakova Ts, et al. **Khirurgiia (Sofiia)** 1980;33(5):395–400 (Eng. Abstr.) **(Bul)**

[Hodgkin's disease: gastric relapse with pleuric fistula after 4–years' complete remission] Tummarello D, et al. **Haematologica (Pavia)** 1980 Jun;65(3):356–60 (Eng. Abstr.) **(Ita)**

[Pleural sarcoidosis: report of five cases (author's transl)] Fité Reig E, et al. **Med Clin (Barc)** 1981 Feb 10;76(3):103–8 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

[General patterns in the changes of body water compartments in certain forms of surgical pathology] Alekseeva ME. **Anesteziol Reanimatol** 1980 Aug;(4):23–5 (Eng. Abstr.) **(Rus)**

[Pleural and pericardial lesion in salmonellosis] Kirilenko VA, et al. **Klin Med (Mosk)** 1981;59(4):97–8 **(Rus)**

RADIOGRAPHY

Pleural plaques: correlation of autopsy findings to radiographic findings and occupational history. Hillerdal G, et al. **Eur J Respir Dis** 1980 Dec;61(6):315–9

Clinical and radiological observations on asbestos–related pathology. Bohlig H, et al. **IARC Sci Publ** 1980; 2(30):497–506

Radiographic signs in post pneumonectomy bronchopleural fistula. Lams P. **J Can Assoc Radiol** 1980 Sep;31(3):178–80

Pleural calcification in pancreatitis demonstrated by computed tomography. Bydder GM, et al. **J Comput Assist Tomogr** 1981 Apr;5(2):161–3

Lung folding simulating peripheral pulmonary neoplasm (Blesovsky's syndrome). Payne CR, et al. **Thorax** 1980 Dec; 35(12):936–40

[Twisted pedunculated pleuro–pericardial cyst (author's transl)] Mabille JP, et al. **J Radiol** 1980 Mar;61(3):177–9 (Eng. Abstr.) **(Fre)**

[Calcified pleural scars and pleural empyema with mural calcification (author's transl)] Schmitt WG, et al. **ROEFO** 1981 Jun;134(6):619–25 (Eng. Abstr.) **(Ger)**

[Pleural calcification in chronic renal failure: a sign of secondary hyperparathyroidism (author's transl)] Watanabe T, et al. **Rinsho Hoshasen** 1980 Nov;25(12):1299–303 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Demonstration of a bronchopleural communication by inhalation of Kr–81m gas. Vincken W, et al. **Clin Nucl Med** 1981 Mar;6(3):117–9

Demonstration of traumatic pleuro–biliary fistula with 131I–rose bengal. Oluwole SF, et al. **J Natl Med Assoc** 1980 Oct;72(10):1002–4

SURGERY

Intraoperative dual–mode independent lung ventilation of a patient with bronchopleural fistula. Benjaminsson E, et al. **Anesth Analg (Cleve)** 1981 Feb;60(2):118–9

[2 cases of successful closure of a fenestrated tracheal defect

in the presence of empyema and a large thoracic defect after a right-sided pulmonectomy] Ivanov AV, et al. **Grudn Khir** 1980 Sep-Oct;(5):84-5 **(Rus)**

THERAPY

Ventilatory management of life-threatening bronchopleural fistulae. A summary. Powner DJ, et al. **Crit Care Med** 1981 Jan;9(1):54-8

The relationship between peak inspiratory pressure and positive end expiratory pressure on the volume of air lost through a bronchopleural fistula. Dennis JW, et al. **J Pediatr Surg** 1980 Dec;15(6):971-6

[Supplemental parenteral feeding after operations in suppurative diseases of the lungs and pleura] Alekseeva ME, et al. **Grudn Khir** 1981 Jan-Feb;(1):67-70 (Eng. Abstr.) **(Rus)**

[Treatment and prevention of post-traumatic lung and pleural complications in thoracic injury] Udod VM, et al. **Klin Khir** 1980 Oct;(10):52-3 (Eng. Abstr.) **(Rus)**

PLEURAL EFFUSION

The use of electron microscopy in the diagnosis of diffuse mesotheliomas using human pleural effusions. Butler EB, et al. **IARC Sci Publ** 1980;1(30):409-18

ANALYSIS

Purification and characterization of alpha 1-antichymotrypsin from human pleural fluid and human serum. Laine A, et al. **Biochim Biophys Acta** 1981 May 29;668(3):429-38

Cytophotometric DNA analysis of caner cells in human malignant effusions. Isoda K. **Bull Osaka Med Sch** 1979 Oct;25(2):96-118

Pleural fluid pH in the evaluation of pleural effusions [letter] **Chest** 1981 Jun;79(6):714

The diagnostic value of pleural fluid pH. Good JT Jr, et al. **Chest** 1980 Jul;78(1):55-9

Diagnostic value of carcinoembryonic antigen in exudative pleural effusions. McKenna JM, et al. **Chest** 1980 Oct; 78(4):587-90

Use of tumor markers as a supplement to cytology in diagnosis of malignant effusions [letter] Milano G, et al. **Clin Chem** 1980 Oct;26(11):1632

Observations on the chemistry of pleural fluid in pediatric patients. Chavalittamrong B, et al. **J Med Assoc Thai** 1980 Jul;63(7):401-11

Diagnostic reliability of pleural fluid protein estimation. Melsom RD. **J R Soc Med** 1979 Nov;72(11):823-5

The mechanism of low glucose concentration in rheumatoid pleural effusions: a primary transport defect? [letter] Bywaters EG. **J Rheumatol** 1981 Jan-Feb;8(1):175-6

Studies on pleural fluid. Dines DE. **Mayo Clin Proc** 1981 Jul;56(7):460

Serial thoracenteses in parapneumonic effusions [letter] Niederman MS, et al. **N Engl J Med** 1981 Apr 2; 304(14):847-8

[Etiological diagnosis of pleural effusion. Is hyaluronic acid a parameter of biological interest? (letter)] Boersma A, et al. **Nouv Presse Med** 1980 Mar 29;9(15):1098 (Eng. Abstr.) **(Fre)**

[Pleural effusion in rheumatoid arthritis (R.A.). Biochemical study of the pleural fluid (author's transl)] Mauduit G, et al. **Poumon Coeur** 1980 May-Jun;36(3):207-10 (Eng. Abstr.) **(Fre)**

[Rheumatoid pleurisy with cholesterol pleural effusion. A single case. Literature review (author's transl)] Riou R, et al. **Poumon Coeur** 1980 May-Jun;36(3):213-4 (Eng. Abstr.) **(Fre)**

[Characteristics of exudates of differing etiology] Sheleg VA, et al. **Lab Delo** 1981;(2):77-9 (Eng. Abstr.) **(Rus)**

[Sugar level in the pleural exudate as a differential diagnostic test] Soroka AN, et al. **Lab Delo** 1980;(7):426-8 (Eng. Abstr.) **(Rus)**

BLOOD

Eosinophilic pleural effusion following pneumothorax. Saini JS, et al. **Indian J Chest Dis Allied Sci** 1980 Apr-Jun; 22(2):133-6

[Eosinophilic pleural effusion as presenting sign of multiple myeloma] Klein B, et al. **Harefuah** 1980 Jul;99(1-2):15-6 (Eng. Abstr.) **(Heb)**

CHEMICALLY INDUCED

The effect of common sclerosing agents on the rabbit pleural space. Sahn SA, et al. **Am Rev Respir Dis** 1981 Jul; 124(1):65-7

Postoperative pleural effusion caused by dextran. Adoni A, et al. **Int J Gynaecol Obstet** 1980;18(4):243-4

Pleuropulmonary changes during long-term bromocriptine treatment for Parkinson's disease [letter] **Lancet** 1981 Jan 3;1(8210):44-5

COMPLICATIONS

Pleural effusions complicating splenic rupture [letter] Kutty CP. **AJR** 1981 Jul;137(1):184

Sonography of the inverted right hemidiaphragm. Subramanyam BR, et al. **AJR** 1981 May;136(5):1004-6

Yellow nail syndrome. Prasad TR. **Indian J Chest Dis Allied Sci** 1980 Jan-Mar;22(1):69-72

Retropharyngeal abscess, mediastinitis, and pleural effusion complicating streptococcal facial erysipelas. Calandra GB, et al. **South Med J** 1981 Aug;74(8):1031-2

CYTOLOGY

Mast cells in serous effusions [letter] Boddington MM. **Acta Cytol (Baltimore)** 1980 Sep-Oct;24(5):470

T and B lymphocyte enumeration in the diagnosis of lymphocyte-rich pleural fluids. Domagala W, et al. **Acta Cytol (Baltimore)** 1981 Mar-Apr;25(2):108-10

Cytopathology, including transmission and scanning electron microscopy, of pleomorphic liposarcomas in pleural fluids. Geisinger KR, et al. **Acta Cytol (Baltimore)** 1980 Sep-Oct; 24(5):435-41

Cytologic manifestation of rheumatoid arthritis in pleural effusion: a case report. Keagle M, et al. **Acta Cytol (Baltimore)** 1981 Jan-Feb;25(1):33-9

Cell surface material of the mesothelial and cancer cells from human effusions. Czerniak B, et al. **Acta Med Pol** 1980; 21(4):313-4

Concanavalin A distribution on the surface of the mesothelial and cancer cells from human effusions. Electron and fluorescent microscopic observations. Lubiński J, et al. **Acta Med Pol** 1980;21(4):377-8

Megakaryocytes in pleural and peritoneal fluids: prevalence, significance, morphology, and cytohistological correlation. Kumar NB, et al. **J Clin Pathol** 1980 Dec;33(12):1153-9

Configuration of surfaces of human cancer cells in effusions. A review. Koss LG, et al. **Scan Electron Microsc** 1980; (3):89-100

[Cytologic changes in pleural neoplastic effusions treated by local chemotherapy (author's transl)] Cava E, et al. **Arch Anat Cytol Pathol** 1980;28(6):350-4 (Eng. Abstr.) **(Fre)**

[Mesothelial cells from serous effusions: some characterizations before and after culture (author's transl)] Saout L, et al. **Arch Anat Cytol Pathol** 1980;28(5):263-71 (Eng. Abstr.) **(Fre)**

[Cellular changes in malignant pleural effusion induced by instillation of anti-cancer drugs with continuous evacuation of fluid (author's transl)] Sawada K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Jun; 18(6):394-401 (Eng. Abstr.) **(Jpn)**

[Cytodiagnosis of the fluid in the body cavity] Uei Y. **Rinsho Byori** 1980;Suppl:177-87 **(Jpn)**

[A case of pleomorphic adult T gamma-cell leukemia with leukemic cells transformed into multinucleated giant cells in the pleural effusion (author's transl)] Suemaru S, et al. **Rinsho Ketsueki** 1980 Aug;21(8):1238-45 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Ultrasound examination of lesions in the thorax. Forsberg L, et al. **Acta Radiol [Diagn] (Stockh)** 1980;21(3):375-8

Real-time sonography of pleural opacities. Hirsch JH, et al. **AJR** 1981 Feb;136(2):297-301

Antenatal diagnosis of congenital pleural effusions. Lange IR, et al. **Am J Obstet Gynecol** 1981 Aug 1;140(7):839-40

Modification to the technique of percutaneous pleural biopsy using Abrams' needle. Raja OG, et al. **Br J Dis Chest** 1980 Jul;74(3):285-6

Counterimmunoelectrophoresis in the diagnosis of Hemophilus influenzae pleural effusion. Holsclaw DS Jr, et al. **Chest** 1980 Dec;78(6):867-9

Nitrobule tetrazolium test in the diagnosis of pleural effusions. Light RW, et al. **Chest** 1981 Jul;80(1):39-43

PHA and PPD reactivity of lymphocytes in pleural effusions. Pettersson T, et al. **Chest** 1981 Jul;80(1):44-7

Differential diagnosis of pleural effusions: clinical usefulness of cell marker quantitation. Vladutiu AO, et al. **Chest** 1981 Mar;79(3):297-301

Malignant transudative effusion: misleading results of pleural fluid analysis. Weinberger SE, et al. **Clin Notes Respir Dis** 1981 Summer;20(1):13-5

Pleural effusions. Ahluwalia MP, et al. **Compr Ther** 1981 Jun; 7(6):6-13

Subcostal lump an unusual presentation of infra-pulmonary effusion. Gupta BS, et al. **J Postgrad Med** 1981 Jan; 27(1):56-8

Relationship between the pericardial and pleural spaces in cross-sectional imaging. Lewandowski BJ, et al. **JCU** 1981 Jul-Aug;9(6):271-4

Pleural effusions [editorial] Black LF. **Mayo Clin Proc** 1981 Mar;56(3):201-2

The outcome of patients with pleural effusion of indeterminate cause at thoracotomy. Ryan CJ, et al. **Mayo Clin Proc** 1981 Mar;56(3):145-9

Pleural effusion: diagnostic value of measurements of PO2, PCO2, and pH. Houston MC. **South Med J** 1981 May; 74(5):585-9

[Differential diagnosis of pleural fluid (author's transl)] He CQ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1980;3(1):59-60 **(Chi)**

[An analysis of non-malignant cells pleural effusions (author's transl)] Kuo SH, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Feb;80(2):198-206 (Eng. Abstr.) **(Chi)**

[Evaluation of diagnostic means in pleural effusions (from two hundred observations) (author's transl)] Lamy P, et al. **Poumon Coeur** 1980;36(2):83-94 (Eng. Abstr.) **(Fre)**

[Real-time B-scan ultrasonic evaluation of pleural effusion and intrathoracic masses adjacent to the pleura (author's transl)] Schwerk WB, et al. **Respiration** 1980;39(4):219-28 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Intrapleurally given tetracycline with lidocaine [letter] Harbecke RG. **JAMA** 1980 Oct 24-31;244(17):1899-900

Intracavitary adriamycin nitrogen mustard and tetracycline in the control of malignant effusions: a randomized study. Kefford RF, et al. **Med J Aust** 1980 Oct 18;2(8):447-8

Treatment of malignant pleural and pericardial effusions. **Med Lett Drugs Ther** 1981 Jun 26;23(13):59-60

Local treatment of neoplastic pleural effusions. Bisetti AA, et al. **Respiration** 1980;40(2):106-11

ENZYMOLOGY

Levels of angiotensin-converting enzyme in pleural effusion. Bedrossian CW, et al. **Arch Pathol Lab Med** 1981 Jul; 105(7):345-6

Laboratory features of pleural effusions [letter] Sutton P, et al. **Br Med J** 1980 Oct 18;281(6247):1070-1

Creatine kinase isoenzyme BB as a tumor marker in pleural effusions [letter] Pettersson T, et al. **Clin Chem** 1981 Jun; 27(6):1147-8

[Clinical significance of diamine oxidase (DAO) in serous effusions of neoplastic and non neoplastic origin (author's transl)] Rossi L, et al. **Quad Sclavo Diagn** 1980 Dec; 16(4):412-8 (Eng. Abstr.) **(Ita)**

[Measurement of adenosine deaminase (ADA) activity in pleural effusion with special reference to carcinomatous and tuberculosis pleuritis (author's transl)] Hayashi R, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Jan; 19(1):35-9 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Pleural effusion in systemic lupus erythematosus. Reda MG, et al. **Acta Cytol (Baltimore)** 1980 Nov-Dec;24(6):553-7

Intrathoracic extension of retroperitoneal urine collections. Baron RL, et al. **AJR** 1981 Jul;137(1):37-41

Association of left-sided pleural effusions and splenic hematomas. Koehler PR, et al. **AJR** 1980 Oct;135(4):851-3

Two dimensional echocardiographic recognition of the descending thoracic aorta: value in differentiating pericardial from pleural effusions. Haaz WS, et al. **Am J Cardiol** 1980 Nov;46(5):739-43

Late-onset lymphedema complicated by pericardial effusion, cardiac tamponade, and pleural effusions. Hen J Jr, et al. **Am J Dis Child** 1981 Apr;135(4):380-1

Parapneumonic effusions. Light RW, et al. **Am J Med** 1980 Oct;69(4):507-12

Pleural effusion in allergic bronchopulmonary aspergillosis: two case reports. Murphy D, et al. **Br J Dis Chest** 1981 Jan;75(1):91-5

Chronic recurrent pleural effusion in adult histiocytosis-X. Tittel PW, et al. **Br J Radiol** 1981 Jan;54(637):68-9

Laboratory features of pleural effusions [editorial] **Br Med J** 1980 Sep 20;281(6243):763-4

Pleural effusion in breast cancer: a review of 105 cases. Fentiman IS, et al. **Cancer** 1981 Apr 15;47(8):2087-92

Gorham's disease of the clavicle with bilateral pleural effusions. Feigl D, et al. **Chest** 1981 Feb;79(2):242-4

Clostridial pleuropulmonary infection. Spagnuolo PJ, et al. **Chest** 1980 Oct;78(4):622-5

Pulmonary function abnormalities in systemic lupus erythematosus responsive to glucocorticoid therapy. Venizelos PC, et al. **Chest** 1981 Jun;79(6):702-4

Malignant effusions: diagnostic evaluation and therapeutic strategy. Memon A, et al. **Curr Probl Cancer** 1981 Feb; 5(8):1-30 (63 ref.)

Hyperamylasemia, duodenal duplication, and pleural effusions in hereditary spherocytosis. Hyman PE, et al. **Dig Dis Sci** 1981 Jan;26(1):81-4

Pleural manifestations of pulmonary disease. Sahn SA. **Hosp Pract** 1981 Mar;16(3):73-9, 83-5, 89

Pleural effusion as a complication of solitary eosinophilic granuloma of the rib. Pappas CA, et al. **Hum Pathol** 1980 Nov;11(6):675-7

Malignant pleural effusion in myeloma: cytologic diagnosis. Angrish K, et al. **Indian J Pathol Microbiol** 1980 Oct; 23(4):267-71-A

Hemolytic anemia, splenic abscess, and pleural effusion caused by Salmonella typhi. Fonollosa V, et al. **J Infect Dis** 1980 Dec;142(6):945

Cryptococcal pleural effusion. Winkler CF, et al. **J Infect Dis** 1980 Aug;142(2):292

Eosinophilic pleural effusion in a patient with chronic eosinophilic pneumonia. Harrow EM. **J Maine Med Assoc** 1980 Aug;71(8):241-3

Sarcoidosis presenting with pleurisy and bilateral pleural effusions. Johnson NM, et al. **Postgrad Med J** 1980 Apr; 56(654):266-7

Asbestos-related disease from household exposure. Epler GR, et al. **Respiration** 1980;39(4):229-40

Rapid development of massive pleural effusion in Legionnaires' disease. Stone AW, et al. **South Med J** 1980 Oct;73(10):1377-8

Sarcoid pleural effusion: three cases and review of the literature. Nicholls AJ, et al. **Thorax** 1980 Apr;35(4):277-81

[Neoplastic pleural effusions] Body JJ, et al. **Acta Clin Belg** 1980;35(1):24-32 (Eng. Abstr.) **(Fre)**

[Management of malignant pleural effusions secondary to

breast cancer] Barrelet L. **Rev Med Suisse Romande** 1980 Sep;100(9):787–9 **(Fre)**

[Clear liquid pleural effusion] Favez G, et al. **Rev Med Suisse Romande** 1980 May;100(5):455–68 (102 ref.) **(Fre)**

[Atypical, primary retroperitoneal echinococcus localization with accompanying pleural effusion] Frings N, et al. **Chirurg** 1980 Apr;51(4):245–6 **(Ger)**

[Diagnostic value of the carcinoembryonic antigens (CEA) and the CEA-like activity in ascites and pleural effusions] Eimermacher H, et al. **Med Welt** 1980 Oct 17;31(42):1516–8 **(Ger)**

[Pseudocystic pleural fistula documented by retrograde cholangiopancreatography] Mongelli D, et al. **Chir Ital** 1980 Dec;32(6):1423–30 (Eng. Abstr.) **(Ita)**

[Evolutionary aspects of the picture of pulmonary pathology in the course of chronic blood diseases (a correlation with cytostatic treatment)] Spanedda R, et al. **Riv Emoter Immunoematol** 1979;26(1–2):30–8 (Eng. Abstr.) **(Ita)**

[Pleural effusion without ascites produced by abdomino-pleural communication in a patient with liver cirrhosis (author's transl)] Kubo Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1980 Sep;77(9):1464–8 **(Jpn)**

[Chronic pancreatitis with haemoptysis and pieural effusions, a case report and review of the Japanese literature (author's transl)] Sakai M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1980 Jul;77(7):1117–21 **(Jpn)**

[A case of acute lymphoblastic leukemia with pleural and pericardial effusions as initial and later manifestations (author's transl)] Abe R, et al. **Rinsho Ketsueki** 1980 Nov; 21(11):1808–13 (Eng. Abstr.) **(Jpn)**

[Pulmonary complications and respiratory insufficiency in acute pancreatitis] Ancyparowicz S, et al. **Pol Tyg Lek** 1980 Nov 24;35(47):1841–3 (28 ref.) **(Pol)**

[Ascites and pleural effusion of pancreatic origin] Okulczyk J, et al. **Pol Tyg Lek** 1980 May 26;35(21):801–3 (28 ref.) **(Pol)**

[Uremic pleural effusion] Ianhez LE, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1980 Dec;35(6):285–9 (Eng. Abstr.) **(Por)**

[Pleural effusions in patients with chronic pancreatitis (author's transl)] Leskovec-Zakelj M, et al. **Plucne Bolesti Tuberk** 1981 Jan-Mar;33(1):37–41 (Eng. Abstr.) **(Scr)**

[Clinico-diagnostic usefulness of the determination of beta 2 microglobulin in pleural fluids. Preliminary results] Ruibal A, et al. **Rev Esp Oncol** 1980;27(1):53–9 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Structure and function of human effusion macrophages from patients with malignant and benign disease. 2. In vitro cytostatic and cytolytic effect on human tumour cell lines. Hammerstrøm J. **Acta Pathol Microbiol Scand [C]** 1980 Aug;88(4):201–9

Structure and function of human effusion macrophages from patients with malignant and benign disease. 1. Isolation, morphology, proliferation and phagocytosis. Hammerstrøm J. **Acta Pathol Microbiol Scand [C]** 1980 Aug;88(4):191–200

In vitro response to Corynebacterium parvum of human effusion lymphocytes isolated from patients with malignant and benign disease. Hammerstrøm J. **Acta Pathol Microbiol Scand [C]** 1980 Aug;88(4):211–8

The role of immune complexes in the pathogenesis of pleural effusions. Andrews BS, et al. **Am Rev Respir Dis** 1981 Aug; 124(2):115–20

T- and B-cell responses in patients with malignant pleural effusions. Potrykus AM, et al. **Br J Cancer** 1981 Apr; 43(4):471–7

Carcinoembryonic antigen in pleural effusions: a diagnostic and prognostic indicator. Klockars M, et al. **Eur J Cancer** 1980 Sep;16(9):1149–52

Leucocyte migration inhibition and rosette tests in pleural effusion. Jakubusek-Przylipiak M, et al. **Eur J Respir Dis** 1980 Apr;61(2):67–70

Carcinoembryonic antigen in malignant pleural effusions. A negative report. Sørensen PG. **Eur J Respir Dis** 1981; 62(2):138–9

A comparison of the histamine-releasing properties of rat pleural and peritoneal mast cells. Batchelor KW, et al. **Immunology** 1980 Oct;41(2):271–8

Selective migration of T-cell subset in pleural fluid from non-Hodgkin's lymphoma. Gupta S. **Thymus** 1981; 2(4–5):277–80

[Biochemical determination of IgA polymers in pleural effusions] Trani S, et al. **Bronchopneumologie** 1979; 29(6):472–7 **(Fre)**

[Determination of carcinoembryonic antigen (CEA) in the pleural and peritoneal fluid. Diagnostic value? (letter)] Lepilliez A, et al. **Nouv Presse Med** 1981 Jan 17;10(2):105–6 **(Fre)**

METABOLISM

Fibrinogen degradation products in pleural effusions. Raja OG, et al. **Br J Dis Chest** 1980 Apr;74(2):164–8

Disposition of cefoxitin in patients with pleural effusion. Barrueco M, et al. **Clin Ther** 1981;3(6):425–35

Antibiotic concentrations in human parapneumonic effusions. Taryle DA, et al. **J Antimicrob Chemother** 1981 Feb; 7(2):171–7

The lipoprotein profile of chylous and nonchylous pleural effusions. Staats BA, et al. **Mayo Clin Proc** 1980 Nov; 55(11):700–4

Measurement of lactic acid in pleural fluid. Brook I. **Respiration** 1980;40(6):344–8

[Gas analysis and pH-measurements in pleural effusions (author's transl)] Szüle P, et al. **Z Erkr Atmungsorgane** 1981; 156(1):40–3 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Transmission of hepatitis-B-virus by pleural effusion containing Dane particles. Hess G, et al. **Hepatogastroenterology** 1981 Jun;28(3):151–4

[Isolation of Brucella melitensis from pleural fluid (letter)] Pigrau Serrallach C, et al. **Med Clin (Barc)** 1981 Apr 10; 76(7):336–7 **(Spa)**

PHYSIOPATHOLOGY

[Pleural effusion formation mechanisms in various pathologic conditions (author's transl)] Mijušković B. **Plucne Bolesti Tuberk** 1981 Jan-Mar;33(1):14–9 (Eng. Abstr.) **(Cze)**

PREVENTION & CONTROL

Effect of endotoxin on thiourea induced pulmonary edema and pleural effusion. Hollinger MA, et al. **Res Commun Chem Pathol Pharmacol** 1981 Feb; 31(2):217–22

RADIOGRAPHY

Pleural effusion: the thorn sign. Not a rare finding. Oestreich AE, et al. **Chest** 1981 Mar;79(3):365–6

X-ray case of the month. Fifty year old man with pain localized to the right posterior chest wall, aggravated by breathing. No trauma. Read RL. **SD J Med** 1980 Dec; 33(12):7–10

[Radiographic evidence of small amounts of pleural effusion in infant stage individuals. Animal experiments (author's transl)] Tröger J, et al. **Radiologe** 1980 Aug;20(8):390–3 (Eng. Abstr.) **(Ger)**

[A study of encapsulated pleural effusions--focussing on the evaluation of chest x-ray findings (author's transl)] Kusumoto S, et al. **Rinsho Hoshasen** 1980 Oct; 25(11):1201–6 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

[Accumulation of 99mTc methylene diphosphonate in malignant pleural effusions (author's transl)] Kida T, et al. **Rinsho Hoshasen** 1980 Oct;25(11):1207–10 (Eng. Abstr.) **(Jpn)**

SECRETION

[Hyperexudation and disturbed pleural resorption capacity after hemostasis with hot gauze tampons] Meladze GD, et al. **Grudn Khir** 1981 Jul-Aug;(4):66–7 (Eng. Abstr.) **(Rus)**

SURGERY

How to insert a chest drain and aspirate a pleural effusion [letter] **Br J Hosp Med** 1981 Apr;25(4):422

THERAPY

Management of parapneumonic effusions. Light RW. **Arch Intern Med** 1981 Sep;141(10):1339–41

How to insert a chest drain and aspirate pleural effusion [letter] Holden MP. **Br J Hosp Med** 1981 Jun;25(6):646

How to insert a chest drain and aspirate a pleural effusion. Walesby RK. **Br J Hosp Med** 1981 Feb;25(2):198–201

Pleural aspiration and biopsy [letter] Ostrowski MJ, et al. **Br Med J** 1980 Jul 5;281(6232):64–5

Administration of BCG cell wall skeleton into malignant effusions: toxic and therapeutic effects. Richman SP, et al. **Cancer Treat Rep** 1981 May-Jun;65(5–6):383–7

Management of fluid retention in patients with advanced cancer. Flombaum C, et al. **JAMA** 1981 Feb 13; 245(6):611–4

Treatment of malignant effusions [editorial] **Lancet** 1981 Jan 24;1(8213):198

Treatment of malignant effusions [letter] Millar JW, et al. **Lancet** 1981 Mar 28;1(8222):726–7

Intrapleural therapy of malignant pleurisy in patients with neuroblastoma. Ha K, et al. **Med Pediatr Oncol** 1981; 9(4):355–9

Small chest tube for malignant pleural effusions. Tiber C. **South Med J** 1980 Sep;73(9):1291–2

Intrapleural immunotherapy with Corynebacterium parvum in recurrent malignant pleural effusions. Millar JW, et al. **Thorax** 1980 Nov;35(11):856–8

[Treatment of malignant pleural effusions] Engel J. **Dtsch Med Wochenschr** 1981 Jun 19;106(25):812–4 **(Ger)**

VETERINARY

Pleural effusion disease agent as passenger of Treponema pallidum suspensions from rabbits. Survey of laboratories. Fennestad KL, et al. **Br J Vener Dis** 1980 Aug; 56(4):198–203

Pleural effusion associated with squamous cell carcinoma of the stomach of a horse. Wrigley RH, et al. **Equine Vet J** 1981 Apr;13(2):99–102

PLEURAL NEOPLASMS

[The lung in systemic malignant hemolymphopathies. I. Introductory study: outline of the current status of the subject and review of the literature] Belli A, et al. **Recenti Prog Med** 1980 Aug;69(2):158–72 (34 ref.) (Eng. Abstr.) **(Ita)**

[The lung in systemic malignant hemolymphopathies. II. Clinical, radiological and anatomopathological correlations in the developmental history of the different disease pictures] Belli F, et al. **Recenti Prog Med** 1980 Aug; 69(2):173–99 (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

[Mesothelioma in a gardener briefly exposed to asbestos] Christensen JB, et al. **Ugeskr Laeger** 1980 Sep 15; 142(38):2510 (Eng. Abstr.) **(Dan)**

COMPLICATIONS

Malignant pleural effusion in myeloma: cytologic diagnosis. Angrish K, et al. **Indian J Pathol Microbiol** 1980 Oct; 23(4):267–71-A

Intrapleural therapy of malignant pleurisy in patients with neuroblastoma. Ha K, et al. **Med Pediatr Oncol** 1981; 9(4):355–9

[Neoplastic pleural effusions] Body JJ, et al. **Acta Clin Belg** 1980;35(1):24–32 (Eng. Abstr.) **(Fre)**

[Claude Bernard-Horner's syndrome due to malignant pleural mesothelioma (author's transl)] Baris YI. **Rev Fr Mal Respir** 1980;8(5):349–50 **(Fre)**

[Treatment of malignant pleural effusions] Engel J. **Dtsch Med Wochenschr** 1981 Jun 19;106(25):812–4 **(Ger)**

DIAGNOSIS

Diffuse, mixed malignant pleural mesothelioma. Lewis RJ, et al. **Ann Thorac Surg** 1981 Jan;31(1):53–60

Solitary fibrous tumors of the pleura: eight new cases and review of 360 cases in the literature. Briselli M, et al. **Cancer** 1981 Jun 1;47(11):2678–89

Diagnostic value of carcinoembryonic antigen in exudative pleural effusions. McKenna JM, et al. **Chest** 1980 Oct; 78(4):587–90

The outcome of patients with pleural effusion of indeterminate cause at thoracotomy. Ryan CJ, et al. **Mayo Clin Proc** 1981 Mar;56(3):145–9

Pleural peritoneal mesothelioma: a case report. Cohen B, et al. **Mt Sinai J Med (NY)** 1980 Jul-Aug;47(4):386–90

Test and teach. Number twenty-seven. Malignant pleural mesothelioma. Chambers HM, et al. **Pathology** 1981 Jan; 13(1):8–9, 159–61

Pleuroma--a cancer-mimicking atelectatic pseudotumor of the lung. 55 consecutive cases studied by high KV radiography, bronchography, selective pulmonary angiography and needle biopsy (author's transl)] Sinner WN. **ROEFO** 1980 Dec;133(6):578–84

Benign localised pleural mesothelioma. Chee YC, et al. **Singapore Med J** 1981 Feb;22(1):42–5

Mesothelioma: current perspectives. Taylor RA, et al. **West J Med** 1981 May;134(5):379–83

[The role of needle-biopsy and cyto-diagnosis in the diagnosis of malignant pleurisy (author's transl)] Migueres J, et al. **Poumon Coeur** 1981 Jan-Feb;37(1):29–34 (Eng. Abstr.) **(Fre)**

[Thoracoscopy in pleural mesothelioma. Diagnostic, prognostic and therapeutic interest (author's transl)] Boutin C, et al. **Rev Fr Mal Respir** 1979 Dec;7(7):680–6 (Eng. Abstr.) **(Fre)**

[Real-time B-scan ultrasonic evaluation of pleural effusion and intrathoracic masses adjacent to the pleura (author's transl)] Schwerk WB, et al. **Respiration** 1980;39(4):219–28 (Eng. Abstr.) **(Ger)**

[Mesothelioma of the pleura: cytology, coagulation of protein (Weltmann) and hyaluronic acid as parameters of clinical diagnosis (author's transl)] Matzel W. **Z Erkr Atmungsorgane** 1980;155(1):133–9 (Eng. Abstr.) **(Ger)**

[The application of computed tomography in the diagnosis of thoracic diseases (author's transl)] Rotte KH, et al. **Z Erkr Atmungsorgane** 1980 Mar;154(3):271–82 (Eng. Abstr.) **(Ger)**

[Clinical aspects and course of primary pleural tumors] Romanychev IuA. **Klin Med (Mosk)** 1981 May;59(5):88–92 (Eng. Abstr.) **(Rus)**

[Cytology of pleural mesothelioma (author's transl)] Mermolja M, et al. **Plucne Bolesti Tuberk** 1980 Jul-Sep; 32(3):89–94 (Eng. Abstr.) **(Scr)**

DRUG THERAPY

Intrapleural tetracycline in management of malignant pleural effusions. Narang RK, et al. **Indian J Chest Dis Allied Sci** 1980 Jul-Sep;22(3):166–8

Intracavitary bleomycin for the control of malignant effusions. Bitran JD, et al. **J Surg Oncol** 1981;16(3):273–7

Malignant mesotheliomas and chemotherapy. Karakousis CP, et al. **J Surg Oncol** 1980;15(2):181–5

ETIOLOGY

Mesothelioma risks in a naval dockyard. Sheers G, et al. **Arch Environ Health** 1980 Sep–Oct;35(5):276–82

The production of malignant tumors of the lung and pleura in dogs from intratracheal asbestos instillation and cigarette smoking. Humphrey EW, et al. **Cancer** 1981 Apr 15; 47(8):1994–9

Mesothelioma induced by intrapleural injection of different types of fibres in rats; synergistic effect of other carcinogens. Lafuma J, et al. **IARC Sci Publ** 1980; 1(30):311–20

Pretumorous lesions and lung and pleural tumours induced by asbestos in rats, Syrian golden hamsters and Macaca mulatta (rhesus) monkeys. Pylev LN. **IARC Sci Publ** 1980; 1(30):343–55

The comparative effects of three chrysotiles by injection and inhalation in rats. Wagner JC, et al. **IARC Sci Publ** 1980; 1(30):363–72

Mesothelioma in children. Wassermann M, et al. **IARC Sci Publ** 1980;1(30):253–7

Asbestos–related diseases of the lung. Ullrich IH. **W Va Med J** 1980 Jul;76(7):163–8

[Pleural mesothelioma and asbestos (author's transl)] Zhang Z. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1980;3(1):52–4 **(Chi)**

[Pleuropulmonary manifestations in leukemia] Maalej M, et al. **Tunis Med** 1979 Nov–Dec;57(6):342–6 (Eng. Abstr.) **(Fre)**

[A case of malignant pleural mesothelioma with calcified diaphragmatic pleural plaques following asbestos exposure (author's transl)] Hasegawa H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Jun; 18(6):417–21 (Eng. Abstr.) **(Jpn)**

METABOLISM

Glycosaminoglycans of pleural mesothelioma: a possible biochemical variant containing chondroitin sulfate. Iozzo RV, et al. **Cancer** 1981 Jul 1;48(1):89–97

Measurement of lactic acid in pleural fluid. Brook I. **Respiration** 1980;40(6):344–8

[Gentamicin concentration in the blood and lung tissue of children with bronchopulmonary pathology] Sakharova AE, et al. **Antibiotiki** 1981 May;26(5):388–91 (Eng. Abstr.) **(Rus)**

OCCURRENCE

The clinical and radiological aspects of 185 cases of malignant pleural mesothelioma. Baris Y. **IARC Sci Publ** 1980; 2(30):937–47

The influence of occupational and environmental asbestos exposure on the incidence of malignant mesothelioma in Connecticut. Lewinsohn HC, et al. **IARC Sci Publ** 1980; 2(30):655–60

The incidence of pleural mesothelioma in chrysotile asbestos textile workers. Peto J. **IARC Sci Publ** 1980;2(30):703–11

A survey of black mineworkers of the Cape crocidolite mines. Talent JM, et al. **IARC Sci Publ** 1980;2(30):723–9

Malignant mesothelioma and radiological chest abnormalities in two villages in Central Turkey. An epidemiological and environmental investigation. Baris YI, et al. **Lancet** 1981 May 2;1(8227):984–7

Malignant mesothelioma; epidemiologic patterns in New York State. Vianna NJ, et al. **NY State J Med** 1981 Apr; 81(5):735–8

Pleural calcification, pleural mesotheliomas, and bronchial cancers caused by tremolite dust. Yazicioglu S, et al. **Thorax** 1980 Aug;35(8):564–9

[Occurrence of pleural mesothelioma. Chronic fibrosing pleurisy and calcified pleural plaques in Turkey in relation with environmental pollution by mineral fibers (author's transl)] Baris I, et al. **Rev Fr Mal Respir** 1979 Dec; 7(7):687–94 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Another great deceiver--intrapleural mesothelioma [letter] González Vicente S. **Bol Asoc Med PR** 1980 Oct; 72(10):545–6

Pleural mesothelioma with calcified liver metastases. Campbell GD, et al. **Chest** 1981 Feb;79(2):229–30

Extramedullary pleural blast crisis during otherwise chronic phase in chronic granulocytic leukaemia. Vilpo JA, et al. **Eur J Cancer** 1980 Jul;16(7):885–91

A Canadian experience of the pathological diagnosis of diffuse mesothelioma. McCaughey WT, et al. **IARC Sci Publ** 1980;1(30):207–10

Hemangioendothelioma of the lung and pleura: report of three cases. Ximenes M 3d, et al. **Int Surg** 1981 Jan–Mar; 66(1):67–70

Malignant mesothelioma in children: report of seven cases and review of the literature. Brenner J, et al. **Med Pediatr Oncol** 1981;9(4):367–73 (21 ref.)

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Cases 47–1980. **N Engl J Med** 1980 Nov 27;303(22):1283–91

[Benign pleural mesothelioma] Larsen ML. **Ugeskr Laeger** 1980 Sep 15;142(38):2486 (Eng. Abstr.) **(Dan)**

[Benign mesotheliomas of different coelomic cavities. Apropos of 5 cases] Peffault de Latour M, et al. **Ann Anat Pathol (Paris)** 1980;25(3):245–51 **(Fre)**

[Maassen's technique for the surgical removal of biopsy material in the differential diagnosis of disseminated pulmonary disease (author's transl)] Greschuchna D. **Prax Klin Pneumol** 1980 Sep;34(9):517–23 (Eng. Abstr.) **(Ger)**

[Morphology and histogenesis of so–called fibrous mesothelioma (submesothelial fibroma)] Poroshin KK, et al. **Arkh Patol** 1981;43(6):35–40 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Treatments affecting the rate of asbestos–induced mesotheliomas. Wagner JC, et al. **Br J Cancer** 1980 Jun; 41(6):918–22

RADIOGRAPHY

CT of malignant pleural mesothelioma. Alexander E, et al. **AJR** 1981 Aug;137(2):287–91

Pulmonary encasement – a sign of advanced malignant diffuse mesothelioma. Kendall–Smith IM. **Australas Radiol** 1979 Mar;23(1):24–9

Pleural thickening. An unusual feature of childhood leukemia. Siegel MJ, et al. **Radiology** 1981 Feb;138(2):367–9

[X–ray diagnosis of pleural mesothelioma (an analysis of 13 cases) (author's transl)] Wang LK. **Chung Hua Fang She Hsueh Tsa Chih** 1979;13(3):152–4 **(Chi)**

[Computed tomography in the study of primary pleural tumours (author's transl)] Caron–Poitreau C, et al. **Ann Radiol (Paris)** 1981 Apr–May;24(4):247–53 (Eng. Abstr.) **(Fre)**

[The radiological differential diagnosis of localized tumours of the pleura and the thoracic wall (author's transl)] Romanyčev JA, et al. **Radiol Diagn (Berl)** 1981; 22(2):169–77 (Eng. Abstr.) **(Ger)**

[Fibrous pleural mesothelioma (pleura fibroma) — a contribution to the differential diagnosis of pleural tumours (author's transl)] Stark P. **ROEFO** 1981 Jun;134(6):614–9 (Eng. Abstr.) **(Ger)**

[Differential diagnosis of circumscribed pleural tumors and encapsulated pleurisy] Varnovitskiĭ GI, et al. **Vestn Rentgenol Radiol** 1981 Jan–Feb;(1):34–8 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Demonstration of pleural mesothelioma by gallium scan. Seo IS, et al. **Clin Nucl Med** 1980 Sep;5(9):407–9

SECONDARY

Aminoglutethimide in the management of metastatic breast cancer. Savaraj N, et al. **Med Pediatr Oncol** 1980; 8(3):251–63

[Total pleuro–pneumonectomy and simultaneous cryotherapy for bronchogenic carcinoma complicated with malignant pleural effusion (author's transl)] Wu SF, et al. **Chung Hua Chung Liu Tsa Chih** 1979;1(3):216–8 (Eng. Abstr.) **(Chi)**

[Cytological diagnosis of metastatic carcinoma to serous membrane (author's transl)] Ma ZZ. **Chung Hua Nei Ko Tsa Chih** 1979;18(2):121–3 **(Chi)**

[Symptomless kidney tumors, diagnosed from metastases] Kottász S, et al. **Orv Hetil** 1980 Nov 30;121(48):2939–43 **(Hun)**

THERAPY

A review of the treatment of diffuse malignant pleural mesothelioma. Ruffie P, et al. **IARC Sci Publ** 1980; 2(30):553–7

ULTRASTRUCTURE

Scanning electron microscopy and x–ray microanalysis of mineral deposits in lungs of a patient with pleural mesothelioma. Ophus EM, et al. **Br J Ind Med** 1980 Nov; 37(4):375–81

The use of electron microscopy in the diagnosis of diffuse mesotheliomas using human pleural effusions. Butler EB, et al. **IARC Sci Publ** 1980;1(30):409–18

Pleural immunocytoma with Waldenström's macroglobulinemia. Ultrastructural study of one case. Brambilla C, et al. **Respiration** 1981;41(2):139–44

[Importance of ultrastructural findings for the diagnosis of primary and secondary pleural neoplasms] Canepa M, et al. **Pathologica** 1979 Nov–Dec;71(1016):761–82 (Eng. Abstr.) **(Ita)**

PLEURAL RUB see **RESPIRATORY SOUNDS**

PLEURISY

BLOOD

[Pleural eosinophilia] Zhuravlev AV, et al. **Sov Med** 1980; (12):11–5 **(Rus)**

CHEMICALLY INDUCED

Substance 48/80 and experimental inflammation. Stochla K. **Acta Physiol Pol** 1980;31(5):535–43

COMPLICATIONS

Observations on some properties of immune complexes in a rheumatoid arthritis patient presenting with simultaneous synovitis and pleurisy. Halla JT, et al. **Arthritis Rheum** 1980 Nov;23(11):1318–20

[A case of non–specific intrathoracic cyst due to cholesterin pleurisy (author's transl)] Koga A, et al. **Kyobu Geka** 1980 Aug;33(8):628–31 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Neonatal candidiasis: renal and pulmonary manifestations. Patriquin H, et al. **AJR** 1980 Dec;135(6):1205–10

'Pleuritic' chest pain due to post traumatic intrathoracic infarction of the stomach. Corcoran B, et al. **Ir J Med Sci** 1981 Mar;150(3):82–3

[A comparison of the result of aspiration, needle–biopsy, pleuroscopy and thoracotomy in the diagnosis of chronic pleurisy (author's transl)] Wihlm JM, et al. **Poumon Coeur** 1981 Jan–Feb;37(1):57–60 (Eng. Abstr.) **(Fre)**

[Differential diagnosis of exudative pleurisy] Lukomskiĭ GI, et al. **Khirurgiia (Mosk)** 1981 Feb;(2):39–42 (Eng. Abstr.) **(Rus)**

[Potentialities of bronchoscopy in the diagnosis of exudative pleurisy] Liubinets OV. **Vrach Delo** 1981 Aug;(8):58–9 **(Rus)**

DRUG THERAPY

Comparison of the effect of phenylbutazone, desonide and cyclophosphamide on four types of experimental pleurisy. Tarayre JP, et al. **J Pharm Pharmacol** 1980 Jun; 32(6):408–12

ENZYMOLOGY

[Measurement of adenosine deaminase (ADA) activity in pleural effusion with special reference to carcinomatous and tuberculosis pleuritis (author's transl)] Hayashi R, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Jan; 19(1):35–9 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Fibrosing uremic pleuritis during hemodialysis [letter] Brown CM, et al. **JAMA** 1981 Feb 20;245(7):705

Sarcoidosis presenting with pleurisy and bilateral pleural effusions. Johnson NM, et al. **Postgrad Med J** 1980 Apr; 56(654):266–7

Bronchogenic cyst presenting subsequent to intrapleural rupture. Schmidt CA, et al. **West J Med** 1981 Mar; 134(3):212–4

[Pleuro–pulmonary infections with anaerobic germs (author's transl)] Gevaudan MJ. **Poumon Coeur** 1980 May–Jun; 36(3):191–5 (Eng. Abstr.) **(Fre)**

[Pleural effusion in rheumatoid arthritis (R.A.). Biochemical study of the pleural fluid (author's transl)] Mauduit G, et al. **Poumon Coeur** 1980 May–Jun,36(3):207–10 (Eng. Abstr.) **(Fre)**

[The role of needle–biopsy and cyto–diagnosis in the diagnosis of malignant pleurisy (author's transl)] Migueres J, et al. **Poumon Coeur** 1981 Jan–Feb;37(1):29–34 (Eng. Abstr.) **(Fre)**

[Rheumatoid pleurisy with cholesterol pleural effusion. A single case. Literature review (author's transl)] Riou R, et al. **Poumon Coeur** 1980 May–Jun;36(3):213–4 (Eng. Abstr.) **(Fre)**

[Rheumatoid pleurisy. Apropos of 13 cases] Delcambre B, et al. **Rev Rhum Mal Osteoartic** 1980 Nov;47(11):621–9 (Eng. Abstr.) **(Fre)**

[Exudative pleurisy in infectious mononucleosis (author's transl)] Trautmann M, et al. **MMW** 1981 Apr 24; 123(17):687–90 (Eng. Abstr.) **(Ger)**

[Association between viral infection and pleuropericarditis: study of a case list of pleurisy and pericarditis] Frasca A, et al. **Boll Ist Sieroter Milan** 1980 May 31;59(2):112–20 (Eng. Abstr.) **(Ita)**

[Exudative rheumatoid pleurisy] Brenna E, et al. **Tidsskr Nor Laegeforen** 1980 Jul 10;100(19–21):1195–6 (Eng. Abstr.) **(Nor)**

[Etiology of serofibrinous pleurisy in children] Tatochenko VK, et al. **Probl Tuberk** 1980 Oct;(10):26–9 (Eng. Abstr.) **(Rus)**

[Paragonimiasis in the Primorye Territory – a cause of eosinophilic pneumonia, pleurisy and hypereosinophilic reactions of blood] Sukhanova GI. **Ter Arkh** 1981; 53(3):57–60 (Eng. Abstr.) **(Rus)**

[Systemic lupus erythematosus with late clinical onset (author's transl)] Pahissa A, et al. **Med Clin (Barc)** 1981 Apr 10;76(7):299–302 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Delayed hypersensitivity pleurisy in guinea pigs; demonstration of reduced migration ability of macrophages in vitro. Yamamoto S, et al. **J Pathol** 1980 Jun; 131(2):137–44

IgE rheumatoid factor in a case of rheumatoid arthritis with pleuritis. Mizushima Y, et al **J Rheumatol** 1981 Mar–Apr; 8(2):299–302

METABOLISM

[Mediators of inflammation and vascular permeability in the early phase of acute experimental pleurisy] Lipshits RU, et al. **Fiziol Zh** 1981 Mar–Apr;27(2):224–7 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

[Human infection caused by Yersinia enterocolitica. Apropos of purulent pleurisy in a child. The 1st bacteriologically confirmed case of this type in Morocco (the 1st localization in the pleura)] Laaberki-JeanJean MF, et al. **Maroc Med** 1980 Jun;2(2):185–92 (Eng. Abstr.) **(Fre)**

OCCURRENCE

[Occurrence of pleural mesothelioma. Chronic fibrosing pleurisy and calcified pleural plaques in Turkey in relation with environmental pollution by mineral fibers (author's transl)] Baris I, et al. **Rev Fr Mal Respir** 1979 Dec; 7(7):687–94 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Three day pleural inflammation: a new model to detect drug effects on macrophage accumulation. Ackerman N, et al. **J Pharmacol Exp Ther** 1980 Dec;215(3):588–95

[Exudative pleurisy in pancreatitis] Shaikhaev AIa, et al. **Klin Med (Mosk)** 1981;59(4):36–8 **(Rus)**

PHYSIOPATHOLOGY

[Dynamic characteristics of the health status of children who have had a pulmonary-pleural form of staphylococcal lung destruction] Kaliapina GR. **Pediatriia** 1981 Jan;(1):33–4 **(Rus)**

[Changes in the expiratory reflex after carrageen pleuritis] Korpáš J, et al. **Cesk Fysiol** 1981 May;30(3):259–60 **(Slo)**

RADIOGRAPHY

[Differential diagnosis of circumscribed pleural tumors and encapsulated pleurisy] Varnovitskiĭ GI, et al. **Vestn Rentgenol Radiol** 1981 Jan-Feb;(1):34–9 (Eng. Abstr.) **(Rus)**

REHABILITATION

[Functional respiratory rehabilitation in exudative pleuritis] Orlandi O, et al. **Minerva Med** 1981 Jun 23;72(25):1657–9 (Eng. Abstr.) **(Ita)**

SURGERY

Chronic pleurisy in systemic lupus erythematosus treated with pleurectomy. Bell R, et al. **Br J Dis Chest** 1979 Jul; 73(3):314–6

THERAPY

Intrapleural therapy of malignant pleurisy in patients with neuroblastoma. Ha K, et al. **Med Pediatr Oncol** 1981; 9(4):355–9

[Cellular changes in malignant pleural effusion induced by instillation of anti-cancer drugs with continuous evacuation of fluid (author's transl)] Sawada K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Jun; 18(6):394–401 (Eng. Abstr.) **(Jpn)**

VETERINARY

Nocardial pleuritis in a cat. Armstrong PJ. **Can Vet J** 1980 Jun;21(6):189–91

Nocardia brasiliensis in a horse with pneumonia and pleuritis. Deem DA, et al. **Cornell Vet** 1980 Oct;70(4):321–8

Intestinal perforation and pleuroperitonitis in ascaridiasis in White Leghorn cockerel. Vegad JL, et al. **Vet Rec** 1979 Jul 7;105(1):16

[Putrid pleurisy in the cat] Burgisser H. **Schweiz Arch Tierheilkd** 1980 Dec;122(12):711–4 (Eng. Abstr.) **(Ger)**

PLEURODELES see under **SALAMANDRIDAE**

PLEURODYNIA, EPIDEMIC

DIAGNOSIS

Myalgic encephalomyelitis [letter] Parish JG. **Lancet** 1981 Apr 25;1(8226):950–1

PLEURODYNIA VIRUS see **COXSACKIE B VIRUSES**

PLEUROPNEUMONIA

COMPLICATIONS

[Transient paraproteinemia associated with pleuropneumopathy (author's transl) (letter)] Kernbaum S, et al. **Nouv Presse Med** 1979 Jan 13;8(2):134 (Eng. Abstr.) **(Fre)**

[Inappropriate antidiuretic hormone secretion syndrome associated with a pleuropulmonary infection] García Rull S, et al. **Med Clin (Barc)** 1981 Mar 10;76(5):226–9 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

[Chemotherapy with fosfomycin, cefoxitin, and cefotaxime in experimental E. coli-pleuropneumonia (author's transl)] Krüger C, et al. **Immun Infekt** 1981 Mar;9(1):29–32 (Eng. Abstr.) **(Ger)**

VETERINARY

Vaccination against pleuropneumonia of pigs caused by Haemophilus pleuropneumoniae. Rosendal S, et al. **Can Vet J** 1981 Feb;22(2):34–5

PLEUROPNEUMONIA, CONTAGIOUS see under **MYCOPLASMA INFECTIONS**

PLEUROPNEUMONIA-LIKE ORGANISMS see **MYCOPLASMA**

PLOIDIES

Comparative karyology of the freshwater snails Bulinus tropicus and B. natalensis. Goldman MA, et al. **Can J Genet Cytol** 1980;22(3):361–7

Chromosomal analysis of 159 bovine embryos collected 12 to 18 days after estrus. Hare WC, et al. **Can J Genet Cytol** 1980;22(4):615–26

Flow-cytogenetics. II. High-resolution ploidy measurements in human fibroblast cultures. Rabinovitch PS, et al. **Cytogenet Cell Genet** 1981;29(2):65–76

Developmental and ploidy characteristics of 'senescent' unfertilized eggs of Xenopus laevis. Blackler AW, et al. **J Exp Zool** 1980 Jul;213(1):105–15

Genetic algebras for tetraploidy with several loci. Fortini P, et al. **J Math Biol** 1980 Jun;9(4):297–304

Cytogenetics of carcinoma of the endometrium. I. The study on ploidy. Slot E. **Neoplasma** 1980;27(4):483–8

Tumour ploidy for characterization of prostatic carcinoma: flow-cytofluorometric DNA studies using aspiration biopsy material. Tribukait B, et al. **Scan J Urol Nephrol [Suppl]** 1980;55:59–64

The ploidy classes of adult mouse liver cells. A methodological study with flow cytometry and cell sorting. Digernes V, et al. **Virchows Arch [Cell Pathol]** 1979 Dec; 32(1):1–10

[A case of acute promyelocytic leukemia with abnormal chromosome (4N) (author's transl)] Togawa A, et al. **Rinsho Ketsueki** 1980 Feb;21(2):259–65 (Eng. Abstr.) **(Jpn)**

[Productivity and cytologo-biochemical features of tetraploid and reversive forms of rye] Kuvarin VV, et al. **Tsitol Genet** 1980 May-Jun;14(3):46–9 (Eng. Abstr.) **(Rus)**

[Expressing the quantity of RNA in terms of ploidy units (letter)] Pereverzev BL. **Tsitologiia** 1980 Nov;22(11):1374–5 **(Rus)**

[Protein content in rat hepatocytes of varying degrees of ploidy during the period of postnatal development] Shalakhmetova TM, et al. **Tsitologiia** 1981 Jun;23(6):674–81 (Eng. Abstr.) **(Rus)**

PLUMMER-VINSON SYNDROME see under **DEGLUTITION DISORDERS**

PLUTONIUM

Comparison of bone scans and radiography for detecting bone neoplasms in dogs exposed to 238PuO2. Wolff RK, et al. **Am J Vet Res** 1980 Nov;41(11):1804–7

Incidence of plutonium-induced bone cancer in neutered mice. Taylor GN, et al. **Cancer Res** 1981 Mar;41(3):971–3

Investigations into techniques for removing intracellular plutonium--II. Complexing agents bound to macromolecules. Bulman RA, et al. **Health Phys** 1981 Feb; 40(2):228–31

Distribution of surface-deposited plutonium in soil after cultivation. Horton JH, et al. **Health Phys** 1980 Apr; 38(4):697–9

Ultrafine 239PuO2 aerosol generation, characterization and short-term inhalation study in the rat. Kanapilly GM, et al. **Health Phys** 1980 Sep;39(3):505–19

Plutonium in [99mTc] Pertechnetate for clinical use: concise communication. Johansson L, et al. **J Nucl Med** 1980 Nov; 21(11):1091–4

Nuclear-powered pacemakers [editorial] Hart H. **PACE** 1979 May;2(3):374–6

Radiation from implantable nuclear pacemakers. I. Dosimetry. Jacobson PM. **PACE** 1979 Mar;2(2):215–24

Radiation from implantable nuclear pacemakers. II. Analysis. Jacobson PM. **PACE** 1979 May;2(3):345–55

Nuclear-powered pacemakers: an eight-year clinical experience. Laurens P. **PACE** 1979 May;2(3):356–60

An appraisal of radioisotope fueled pacemakers after 5 years. Parsonnet V, et al. **PACE** 1979 May;2(3):361–9

A comparison of 252Cf and 238Pu, Be neutron sources for partial-body in vivo activation analysis. Morgan WD, et al. **Phys Med Biol** 1981 May;26(3):413–24

The distribution and pathological effects of Pu in juvenile beagles. Bruenger FW, et al. **Radiat Res** 1980 Nov; 84(2):325–42

The effect of neonatal thymectomy on lung cancers induced in rats by plutonium dioxide. Nolibe D, et al. **Radiat Res** 1981 Jul;87(1):90–9

Radioactive waste: the problem of plutonium. Krugmann H, et al. **Science** 1980 Oct 17;210(4467):319–21

ADMINISTRATION & DOSAGE

The concentration of plutonium in hair following intravenous injection. Toohey RE, et al. **Health Phys** 1981 Jun; 40(6):881–6

ADVERSE EFFECTS

Hanford radiation study III: a cohort study of the cancer risks from radiation to workers at Hanford (1944–77 deaths) by the method of regression models in life-tables. Kneale GW, et al. **Br J Ind Med** 1981 May;38(2):156–66

Comment on 'Calculated mpc values for PuO2 by comparing the added risk of cancer with the accepted occupational risks' by A. H. de Bont and L. B. Beentjes [letter] Cohen BL. **Health Phys** 1980 Jul;39(1):121–2

Terminal hematological changes in mice bearing osteosarcomas induced by plutonium-239. Svoboda V, et al. **Neoplasma** 1980;27(5):567–74

[Effect of incorporated 238Pu on the colony-forming capacity of mouse bone marrow effect] Zalikin GA, et al. **Radiobiologiia** 1980 Sep-Oct;20(5):756–7 (Eng. Abstr.) **(Rus)**

ANALYSIS

Quantitative determination of fissionable materials in human hair. Bentley KW, et al. **Environ Res** 1980 Apr;21(2):407–15

Effect of hypervitaminosis D on skeletal plutonium levels in mice. Bhattacharyya MH, et al. **Health Phys** 1980 Aug; 39(2):338–42

Calibration of phoswich detectors for assessment of plutonium in lungs: the methods of four laboratories compared. Campbell GW, et al. **Health Phys** 1981 Mar; 40(3):405–9

Plutonium containment. Cohen BL. **Health Phys** 1981 Jan; 40(1):76–8

Potential radiation dose from eating fish exposed to actinide contamination. Emery RM, et al. **Health Phys** 1981 Apr; 40(4):493–510

Measurement of chest wall thickness for assessment of plutonium in human lungs. Fry FA, et al. **Health Phys** 1980 Jul;39(1):89–92

Statistical uncertainties in predicting plutonium dose to lung and bone from contaminated soils. Garten CT Jr. **Health Phys** 1980 Jul;39(1):99–103

The transport of plutonium in terrestrial ecosystems. Hakonson TE, et al. **Health Phys** 1981 Jan;40(1):63–9

The spectrum of neutrons from A238Pu-Li source. Ing H, et al. **Health Phys** 1981 Mar;40(3):345–50

Plutonium in the lungs of Austrian residents. Irlweck K, et al. **Health Phys** 1980 Jul;39(1):95–9

The deposition, distribution and retention of inhaled 239PuO2 in the lungs of rats with pulmonary emphysema. Lundgren DL, et al. **Health Phys** 1981 Feb;40(2):231–5

Distribution of fallout plutonium in Southern Finns. Mussalo H, et al. **Health Phys** 1980 Aug;39(2):245–55

Consistent x-ray counting efficiencies for plutonium in lungs, derived by independent methods. Newton D, et al. **Health Phys** 1981 May;40(5):748–53

238Pu concentrations in the marine environment at San Clemente island. Noshkin VE, et al. **Health Phys** 1981 May; 40(5):643–59

Pocket gophers and redistribution of plutonium in soil. Winsor TF, et al. **Health Phys** 1980 Aug;39(2):257–62

Intrahepatic distribution of plutonium in beagles. Gearhart JM, et al. **Radiat Res** 1980 Nov;84(2):343–52

[Calibration of unit detectors for intravital determination of the 239Pu content in the human body] Abramov IuV, et al. **Med Radiol (Mosk)** 1981 Jun;26(6):49–52 **(Rus)**

BLOOD

[Role of different blood serum components in the transport of plutonium resorbed from the muscles] Demina GA, et al. **Radiobiologiia** 1981 Jan-Feb;21(1):122–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Citric acid derivatives fail to enhance plutonium clearance from the hamster. Bulman RA, et al. **Health Phys** 1981 Jan;40(1):104–5

Statistical analysis of a Los Alamos Scientific Laboratory study of plutonium in U.S. autopsy tissue. Fox T, et al. **Health Phys** 1980 Dec;39(6):877–92

The influence of fasting and valence on the gastrointestinal absorption of plutonium in hamsters and rabbits. Stather JW, et al. **Health Phys** 1980 Aug;39(2):334–8

The use of Ca-DTPA as a treatment for plutonium inhaled in mixed oxide aerosols of plutonium and sodium. Stather JW, et al. **Health Phys** 1980 Nov;39(5):801–5

Dissolution characteristics of plutonium aerosols in lung serum simulant. Vashi VD, et al. **Health Phys** 1980 Jul; 39(1):105–8

Can mixed ligand therapy completely remove plutonium from the body? [letter] Volf V. **Health Phys** 1980 Aug; 39(2):364–6

Placental transfer of americium and plutonium in mice. Weiss JF, et al. **Health Phys** 1980 Dec;39(6):903–11

The influence of an iron-sorbitol-citrate complex on the deposition of monomeric 239Pu in four rodent species. Winter R, et al. **Health Phys** 1981 Jan;40(1):100–4

The chemical form of plutonium in bile. Popplewell DS, et al. **Int J Appl Radiat Isot** 1980 Sep;31(9):541–3

The reactions of 1 nm particles of plutonium-238 dioxide and curium-244 dioxide with lung fluid. Cooper JR, et al. **Int J Radiat Biol** 1980 Jul;38(1):93–103

Mobilization of internally deposited plutonium from the rat by pregnancy and lactation. Taylor DM.

Int J Radiat Biol 1980 Sep;38(3):357–60

Influence of cadmium and copper on the distribution pattern of plutonium in the rat. Volf V.
J Toxicol Environ Health 1980 May;6(3):493–501

A semi-automated technique for assessing the microdistribution of 239 Pu deposited in bone. Green D, et al. **Phys Med Biol** 1981 May;26(3):379–87

The initial early distribution of monomeric 230Pu and 241Am in rat liver as determined by Triton WR 1339 injection. Gruner R, et al. **Radiat Res** 1981 Feb;85(2):367–79

Salicylic acid failed to increase the efficacy of Ca-DTPA in the decorporation of plutonium and americium. Jones CW, et al. **Radiat Res** 1980 Oct;84(1):149–51

Plutonium retention in mice and rats after gastrointestinal absorption. Larsen RP, et al. **Radiat Res** 1981 Jul; 87(1):37–49

[Role of phagocytosis and the effect of different DTPA salts on the mechanism of lung self-purification of 239Pu] Levdik TI, et al. **Med Radiol (Mosk)** 1980 Oct;25(10):44–8 (Eng. Abstr.) **(Rus)**

[Effect of organophosphorus complexons on the acceleration of 239Pu elimination from the body of the rat] Khalturin GV, et al. **Radiobiologiia** 1981 Mar-Apr;21(2):302–5 (Eng. Abstr.) **(Rus)**

[Evaluation of the efficacy of using iron to accelerate plutonium-239 elimination from the body] Shvydko NS, et al. **Radiobiologiia** 1980 Sep-Oct;20(5):683–7 (Eng. Abstr.) **(Rus)**

POISONING

Mixed ligand chelates and plutonium poisoning. Humphreys ER, et al. **Health Phys** 1980 Jul;39(1):103–5

TOXICITY

Two new rodent models for actinide toxicity studies. Taylor GN, et al. **Radiat Res** 1981 Apr;86(1):115–22

[Morphological changes in rats after the combined uptake of uranium-238 with plutonium-239 or americium-241] Filippova LG, et al. **Radiobiologiia** 1980 Nov-Dec; 20(6):886–91 (Eng. Abstr.) **(Rus)**

URINE

Separation of plutonium in urine without sample ashing for determination by alpha-spectrometry. Kressin IK. **Anal Chem** 1981 Jul;53(8):1270–4

A proposed long-term excretion equation for plutonium. Parkinson WW Jr, et al. **Health Phys** 1981 Mar; 40(3):327–31

PMS see **GONADOTROPINS, EQUINE**

PMSG see **GONADOTROPINS, EQUINE**

PNEUMATIC SUITS see **G SUITS**

PNEUMATOSIS CYSTOIDES INTESTINALIS

CHEMICALLY INDUCED

Pneumatosis cystoides intestinalis: a complication of systemic chemotherapy. Shindelman LE, et al. **Am J Gastroenterol** 1981 Apr;75(4):270–4

COMPLICATIONS

Pneumoperitoneum induced by pneumatosis cystoides intestinalis associated with volvulus of the stomach. Elidan J, et al. **Am J Gastroenterol** 1980 Aug;74(2):189–95

Intestinal obstruction from pneumatosis cystoides intestinalis [letter] Paris MD, et al. **JAMA** 1981 Aug 7;246(6):622

ETIOLOGY

Pneumatosis intestinalis. Its occurrence in the immunologically compromised child. Kleinman PK, et al. **Am J Dis Child** 1980 Dec;134(12):1149–51

Pneumatosis intestinalis in dermatomyositis. Braunstein EM, et al. **Br J Radiol** 1980 Oct;53(634):1011–2

Recurrent giant air cyst of the colon. Cronin TG Jr, et al. **IMJ** 1981 Jul;160(1):40–2

[Giant diverticulum of the sigmoid] Slomic A, et al. **J Can Assoc Radiol** 1980 Sep;31(3):168–70 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Gastrointestinal symptoms and shock in a patient with chronic renal failure [clinical conference] **Am J Med** 1980 Oct;69(4):595–602

[Contribution to the anatomo-pathological knowledge of the pneumatosis cystica coli (author's transl)] Spada G, et al. **Pathologica** 1980 May-Jun;72(1019):345–58 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Pneumatosis intestinalis in the small bowel of an adult--a radiological sign of a serious post-operative complication. Smith EE, et al. **Br J Radiol** 1981 Mar;54(639):266–7

[Pneumatosis cystoides intestinalis] Möttönen T, et al. **Duodecim** 1980;96(10):738–43 (Eng. Abstr.) **(Fin)**

PNEUMOCEPHALUS

Intraventricular tension pneumocephalus as a complication of paranasal sinus surgery: case report. Davis DH, et al. **Neurosurgery** 1981 May;8(5):574–6

COMPLICATIONS

Traumatic chiasmal syndrome associated with pneumocephalus and sellar fracture. Resneck JD, et al. **Am J Ophthalmol** 1981 Aug;92(2):233–7

[Case of paranasal sinus osteoma with cerebrospinal rhinorrhea and pneumocephalus] Tarczoń B, et al. **Neurol Neurochir Pol** 1980 Jul-Aug;14(4):449–52 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

[Pneumosinus frontalis dilatans] Duriška J. **Cesk Otolaryngol** 1980 Dec;29(6):360–4 (Eng. Abstr.) **(Slo)**

ETIOLOGY

Discontinuance of nitrous oxide does not prevent tension pneumocephalus. Friedman GA, et al. **Anesth Analg (Cleve)** 1981 Jan;60(1):57–8

Tension pneumocephalus complicating the treatment of postoperative CSF otorrhea. Effron MZ, et al. **Arch Otolaryngol** 1981 Sep;107(9):579–80

Case report. Periorbital pneumatocele after facial trauma in a boxer. Waring AJ. **Br J Sports Med** 1980 Dec;14(4):231

Pneumocephalus. A complication of continuous positive airway pressure after trauma. Klopfenstein CE, et al. **Chest** 1980 Oct;78(4):656–7

Traumatic pneumocephalus from tangential bullet injury with compression of the brainstem. A case report. Salibi NA, et al. **J Med Liban** 1980;31(3):277–80

Tension pneumocephalus complicating craniofacial surgery in a shunted hydrocephalic patient: case report. Findler G, et al. **Neurosurgery** 1980 Nov;7(5):525–8

Tension pneumocephalus [letter] Wolf S, et al. **Neurosurgery** 1981 Apr;8(4):514

Subdural tension pneumocephalus after posterior fossa operation: is the inverted bottle phenomenon the only causative factor? Leunda G, et al. **Surg Neurol** 1981 Apr; 15(4):303–5

[Spontaneous extracranial pneumatocele. Report of a case] Oliveira HA, et al. **Arq Neuropsiquiatr** 1980 Jun;38(2):200–2 (Eng. Abstr.) **(Por)**

RADIOGRAPHY

CT scan evidence of air presence in an epidural hematoma. Ectors P, et al. **Comput Tomogr** 1980 Oct-Dec;4(4):251–4

Tension pneumocephalus. Healy JF, et al. **Comput Tomogr** 1980 Oct-Dec;4(4):247–50

Localized giant hyperpneumatization of the cranial vault. Brijs A, et al. **ROEFO** 1980 Oct;133(4):442–3

[Pneumocephalus as sign of frontobasal skull fractures (author's transl)] Pothe H, et al. **Roentgenblaetter** 1981 Mar; 34(3):86–90 (Eng. Abstr.) **(Ger)**

PNEUMOCOCCAL INFECTIONS

Pneumococcal otitis media following middle ear deflation. Meyerhoff WL, et al. **Ann Otol Rhinol Laryngol** 1981 Jan-Feb;90(1 Pt 1):72–6

Pneumococcal arthritis and osteomyelitis in children. Chusid MJ, et al. **Clin Pediatr (Phila)** 1981 Feb;20(2):105–7

Pneumococcal arthritis complicating gout. Case report and literature review. Edwards GS Jr, et al. **J Rheumatol** 1980 Nov-Dec;7(6):907–10

The pneumococcus. A symposium held at the Kroc Foundation headquarters, Santa Ynez Valley, California, February 25-29, 1980. **Rev Infect Dis** 1981 Mar-Apr; 3(2):183–395

Urinary tract infection and soft tissue abscess caused by Streptococcus pneumoniae. Green RF, et al. **South Med J** 1980 Nov;73(11):1550–1

[Fulminant pneumococcemia in two splenectomized patients (author's transl)] Brivet F, et al. **Ann Med Interne (Paris)** 1980;131(5):285–8 (Eng. Abstr.) **(Fre)**

[Purpura fulminans caused by pneumococcus in a splenectomized adult with persistence of accessory splenic tissue (letter)] Tanguy RL, et al. **Nouv Presse Med** 1981 Jun 20;10(27):2290 **(Fre)**

[Fulminant pneumococcal septicemia, asplenia and acute disseminated lupus erythematosus] Fourrier F, et al. **Rev Med Interne** 1981;2(2):169–71 **(Fre)**

[Fulminating pneumococcal sepsis in a splenectomized child] López Siguero JP, et al. **An Esp Pediatr** 1980 Dec; 13(12):1129–31 **(Spa)**

COMPLICATIONS

Diarrhea in Streptococcus pneumoniae bacteremia. Seeler RA, et al. **Am J Hematol** 1980;8(3):309–14

Gingival lesion and streptococcal pneumoniae type 14 bacteremia. Nudelman R, et al. **IMJ** 1980 Nov;158(5):346–7

Fanconi anemia with primary pneumococcal peritonitis--a case report. Agarwal MB, et al. **Indian Pediatr** 1980 Feb; 17(2):185–9

Experimental otitis media after nasal inoculation of Streptococcus pneumoniae and influenza A virus in chinchillas. Giebink GS, et al. **Infect Immun** 1980 Nov; 30(2):445–50

Pneumococcal infections in children with sickle cell disease: increased incidence, immunological defects, vaccine failure, and prospects for the future. Lembo NJ. **J Natl Med Assoc** 1981 Jan;73(1):43–5

Pneumococcal septicemia in children with sickle cell anemia. Changing trend of survival. Powars D, et al. **JAMA** 1981 May 8;245(18):1839–42

[Primary pneumococcal peritonitis] Alvarez P, et al. **Rev Chil Pediatr** 1979 Nov-Dec;50(6):55–7 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Pneumococcal pericarditis: a persisting problem in contemporary diagnosis. Berk SL, et al. **Am J Med** 1981 Feb;70(2):247–51

Limitations of countercurrent immunoelectrophoresis (CIE) in the diagnosis of empyema. Hilman BC. **Chest** 1980 Dec; 78(6):866–7

Pneumococcal pyosalpinx in a prepubertal child. Casiro OG, et al. **Isr J Med Sci** 1980 Dec;16(12):865–6

DRUG THERAPY

Controlled comparative trial of bacampicillin and amoxicillin in therapy of bacterial infections of the lower respiratory tract. Finegold SM, et al. **Rev Infect Dis** 1981 Jan-Feb; 3(1):150–3

[Serotyping of pneumococcus (blood cultures and tracheal puncture), sensitivity to antibiotics and consideration of the use of a specific vaccine] Crokaert F, et al. **Acta Clin Belg** 1980;35(3):127–39 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Post-splenectomy septicemia in Hodgkin's disease and other disorders. Askergren J, et al. **Acta Chir Scand** 1980; 146(8):569–75

Comparison of community-acquired and nosocomial pneumococcal bacteremia. Mylotte JM, et al. **Am Rev Respir Dis** 1981 Mar;123(3):265–8

Pneumococcal septicaemia after endoscopic gastric polypectomy [letter] Graham JR. **Med J Aust** 1980 Oct 18;2(8):457–8

Pneumococcal sepsis in childhood leukemia and lymphoma. Allen JB, et al. **Pediatrics** 1981 Feb;67(2):292–5

Experimental infections of animals in the study of Streptococcus pneumoniae. Moxon ER. **Rev Infect Dis** 1981 Mar-Apr;3(2):354–7 (14 ref.)

[Postsplenectomy sepsis after traumatic spleen rupture] Angelo-Nielsen K, et al. **Ugeskr Laeger** 1980 Sep 8; 142(37):2422–3 (Eng. Abstr.) **(Dan)**

[Pneumococcal sepsis after splenectomy and its prevention] van den Ingh HF, et al. **Ned Tijdschr Geneeskd** 1981 Jul 25;125(30):1198–200 (Eng. Abstr.) **(Dut)**

[Splenectomy. Operation with consequences] Slinde S. **Tidsskr Nor Laegeforen** 1980 Jun 10;100(16):1062–4 (Eng. Abstr.) **(Nor)**

[Case of late generalized infection after splenectomy] Klimkiewicz-Wiesiołek E, et al. **Wiad Lek** 1980 Nov 1; 33(21):1741–3 (Eng. Abstr.) **(Pol)**

HISTORY

Pneumococcus: the first one hundred years. Austrian R. **Rev Infect Dis** 1981 Mar-Apr;3(2):183–9 (55 ref.)

IMMUNOLOGY

Pneumococcal vaccine failures. Two case reports and review. Sumaya CV, et al. **Am J Dis Child** 1981 Feb;135(2):155–8

Experimental otitis media in chinchillas. Lewis DM, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1980 May-Jun;89(3 Pt 2 Suppl 68):344–50

Complement and C1q binding substances in otitis media. Prellner K, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1980 May-Jun;89(3 Pt 2 Suppl 68):129–32

Recurrent pneumococcal otitis media in the chinchilla. A longitudinal study. Marshak G, et al. **Arch Otolaryngol** 1981 Sep;107(9):532–9

Nature of the cross-protective antigen in subcellular vaccines of Streptococcus pneumoniae. Au CC, et al. **Infect Immun** 1981 Jan;31(1):160–8

Evaluation of the role of the pneumococcal Forssman antigen (F-polysaccharide) in the cross-serotype protection induced by pneumococcal subcellular preparations. Au CC, et al. **Infect Immun** 1981 Jan;31(1):169–73

Alterations in serum opsonic activity and complement levels in pneumococcal disease. Giebink GS, et al. **Infect Immun** 1980 Sep;29(3):1062–6

The role of the spleen in experimental pneumococcal bacteremia. Brown EJ, et al. **J Clin Invest** 1981 Apr; 67(4):975–82

Antiphosphocholine antibodies found in normal mouse serum are protective against intravenous infection with type 3 streptococcus pneumoniae. Briles DE, et al. **J Exp Med** 1981 Mar 1;153(3):694–705

The critical role of complement in experimental pneumococcal sepsis. Hosea SW, et al. **J Infect Dis** 1980 Dec;142(6):903–9

Immunologic consequences of neonatal splenectomy. Merikanto J, et al. **J Pediatr Surg** 1980 Oct;15(5):651–4

Conference on the Pneumococcus: summary and comments. Finland M. **Rev Infect Dis** 1981 Mar–Apr;3(2):358–71
The host response to invasion by Streptococcus pneumoniae: protection and the pathogenesis to tissue damage. Johnston RB Jr. **Rev Infect Dis** 1981 Mar–Apr;3(2):282–8 (72 ref.)
Host defense against Streptococcus pneumoniae: the role of the spleen. Wara DW. **Rev Infect Dis** 1981 Mar–Apr; 3(2):299–309
The role of complement in the host's defense against Streptococcus pneumoniae. Winkelstein JA. **Rev Infect Dis** 1981 Mar–Apr;3(2):289–98 (61 ref.)

METABOLISM

Effect of Streptococcus pneumoniae infection on the synthesis of rat liver plasma membranes. Little JS. **Proc Soc Exp Biol Med** 1981 Jun;167(2):284–9

MICROBIOLOGY

Experimental otitis media following middle ear inoculation of nonviable Streptococcus pneumoniae. Lowell SH, et al. **Ann Otol Rhinol Laryngol** 1980 Sep–Oct;89(5 Pt 1):479–82
Screening for ampicillin resistant Hemophilus influenzae and penicillin resistant Streptococcus Pneumoniae in healthy carriers. Guiscafré H, et al. **Arch Invest Med (Mex)** 1981; 12(1):141–51 **(Eng, Spa)**
[Importance of the antibiogram in Streptococcus pneumoniae (pneumococcal) infections] Modde H. **Rev Med Suisse Romande** 1980 Sep;100(9):805–8 **(Fre)**

MORTALITY

The effect of penicillin on the mortality of splenectomized mice exposed to an aerosol of Streptococcus pneumoniae type 3. Dickerman JD, et al. **Pediatr Res** 1980 Oct; 14(10):1139–41
[Information and vaccination after splenectomy—follow-up of deaths due to pneumococcal septicemia] Jakobsson B, et al. **Lakartidningen** 1981 May 20;78(21):2148–50 (Eng. Abstr.) **(Swe)**

OCCURRENCE

Pneumococcal bacteremia in Charleston County, South Carolina. Filice GA, et al. **Am J Epidemiol** 1980 Dec; 112(6):828–35
Epidemiology of clinically significant isolates of Streptococcus pneumoniae in the United States. Broome CV, et al. **Rev Infect Dis** 1981 Mar–Apr;3(2):277–81
The epidemiology of pneumococcal disease in infants and children. Klein JO. **Rev Infect Dis** 1981 Mar–Apr; 3(2):246–53 (33 ref.)
An epidemiologic approach to pneumococcal disease. Riley ID, et al. **Rev Infect Dis** 1981 Mar–Apr;3(2):233–45
[Study of adult morbidity and mortality from pneumococcus in hospital (author's transl)] Ozenne G, et al. **Sem Hop Paris** 1980 Dec 8–15;56(45–46):1919–22 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Experimental pneumococcal otitis media: a histopathologic study. Meyerhoff WL, et al. **Otolaryngol Head Neck Surg** 1980 Sep–Oct;88(5):606–12
[OPSI—a case of sepsis with a serious course] Freund M, et al. **Internist (Berlin)** 1981 Mar;22(3):175–9 **(Ger)**

PREVENTION & CONTROL

Pneumococcal vaccination: the response of patients with multiple myeloma. Lazarus HM, et al. **Am J Med** 1980 Sep;69(3):419–23
Animal models for studying pneumococcal otitis media and pneumococcal vaccine efficacy. Giebink GS, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1980 May–Jun;89(3 Pt 2 Suppl 68):339–43
Vaccination against pneumococcal disease [editorial] Lambert HP. **Arch Dis Child** 1980 Dec;55(12):915–6
Antibody response to group B streptococcus type III and AB blood group antigens induced by pneumococcal vaccine. Boyer KM, et al. **J Pediatr** 1981 Mar;98(3):374–8
Diabetes mellitus and the pneumococcus. Another point of view. Austrian R, et al. **JAMA** 1980 Oct 3;244(14):1573–4
Pneumococcal vaccination in diabetes [letter] Beam TR Jr. **JAMA** 1981 Mar 6;245(9):920–1
Intact antibody response to pneumococcal capsular polysaccharides in uremia and diabetes. Friedman EA, et al. **JAMA** 1980 Nov 21;244(20):2310–1
Pneumococcal vaccine in the United States. A critical analysis. Hirschmann JV, et al. **JAMA** 1981 Sep 25; 246(13):1428–32
Response to pneumococcal polysaccharide vaccine in patients with untreated Hodgkin's disease. Children's Cancer Study Group Report. Addiego JE Jr, et al. **Lancet** 1980 Aug 30;2(8192):450–2
Impaired immune response of splenectomised patients to polyvalent pneumococcal vaccine. Hosea SW, et al. **Lancet** 1981 Apr 11;1(8224):804–7
Pneumococcal vaccine. **Med Lett Drugs Ther** 1980 Dec 26; 22(26):114
Efficacy of pneumococcal vaccine [letter] **N Engl J Med** 1981 Jan 8;304(2):116–7
Cost effectiveness of pneumococcal vaccine [letter] Rango N. **N Engl J Med** 1981 Jan 8;304(2):117–8
The pathogenesis of pneumococcal otitis media in chinchillas and the efficacy of vaccination in prophylaxis. Giebink GS. **Rev Infect Dis** 1981 Mar–Apr;3(2):342–53
Protection against pneumococcal bacteremia by partial splenectomy. Greco RS, et al. **Surg Gynecol Obstet** 1981 Jan;152(1):67–9
Pneumococcal capsular polysaccharide vaccination in adult chronic hemodialysis patients. Katz LA, et al. **Trans Am Soc Artif Intern Organs** 1980;26:369–71
[Pneumococcal vaccine following splenectomy? The pathogenesis and prophylaxis of OPSI (overwhelming post-splenectomy infection)] Ostendorf P, et al. **Internist (Berlin)** 1981 Mar;22(3):171–4 **(Ger)**

THERAPY

Traumatic asplenia in adults: a defined hazard? Dickerman JD. **Arch Surg** 1981 Mar;116(3):361–3

TRANSMISSION

Epidemiologic studies of Streptococcus pneumoniae in infants: acquisition, carriage, and infection during the first 24 months of life. Gray BM, et al. **J Infect Dis** 1980 Dec; 142(6):923–33

URINE

Pneumococcuria: clue to the diagnosis of systemic pneumococcal infections? Teele DW, et al. **J Pediatr** 1981 Jan;98(1):70–1

PNEUMOCOCCUS see **STREPTOCOCCUS PNEUMONIAE**

PNEUMOCONIOSIS

Correlation of gm allotype with the incidience of anti-IgG antibody in coal workers' pneumoconiosis. Mentnech MS, et al. **Clin Immunol Immunopathol** 1980 Oct;17(2):274–79

CHEMICALLY INDUCED

[Pneumological findings in workers of chemistry and steel industry (author's transl)] Schindl R, et al. **Wien Med Wochenschr** 1980;130(24):799–802 (Eng. Abstr.) **(Ger)**

CLASSIFICATION

[Comments on the further development of the international classification of pneumoconiosis (author's transl)] Bohlig H, et al. **Roentgenblaetter** 1981 Jan;34(1):1–8 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Emphysema in smoking and non-smoking coalworkers with pneumoconiosis. Lyons JP, et al. **Bull Physiopathol Respir (Nancy)** 1981 Jan–Feb;17(1):75–85
[The analysis of 42 cases of egg-shell calcification hilum lymph node in coal worker's pneumoconiosis (author's transl)] Yang ZL. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1980;3(1):49–51 **(Chi)**
[Trial of preventing the aggravation of pulmonary fibrosis in miners with pneumoconiosis in the Nord and Pas-de Calais coal mines] Amoudru C, et al. **Lille Med** 1980 Dec; 25(10):554–8 **(Fre)**
[Left heart failure and coronary insufficiency in patients with pneumoconiosis (Situation in switzerland) (author's transl)] Bühlmann AA. **Prax Klin Pneumol** 1980 Jun;34(6):319–23 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

New data on the relationship between simple pneumoconiosis and exposure to coal mine dust. Jacobsen M. **Chest** 1980 Aug;78(2 Suppl):408–10
Disability determination and compensation for pneumoconiosis in West Germany. Reichel G. **Chest** 1980 Aug;78(2 Suppl):365–6
Results of epidemiologic studies on the progression of coal workers' pneumoconiosis. Reisner MT. **Chest** 1980 Aug; 78(2 Suppl):406–7
Respiratory disability in coal miners [letter] Cander L. **JAMA** 1980 Nov 14;244(19):2157
Recent advances in the study of mineral pneumoconiosis. Vallyathan NV, et al. **Pathol Annu** 1980;15(Pt 2):77–104 (97 ref.)
Elemental content in alveolar septa in various pneumoconioses. Siegesmund KA, et al. **Scan Electron Microsc** 1980;(Pt 2):485–91
[Mineralogic studies in respiratory pathology (author's transl)] De Vuyst P, et al. **Rev Med Brux** 1981 Feb; 2(2):115–9 (Eng. Abstr.) **(Fre)**
[Occupational asthma: diagnosis, etiology, prevention and management] Dehaut P, et al. **Union Med Can** 1980 Jun; 109(6):862–74 (Eng. Abstr.) **(Fre)**
[Round lung opacities in magnesium production workers (author's transl)] D'Andrea F, et al. **Med Lav** 1980 Mar–Apr;71(2):161–6 (Eng. Abstr.) **(Ita)**
[Pneumoconiosis (author's transl)] Okubo T. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Dec; 18(12):846–54 (Eng. Abstr.) **(Jpn)**
[Two cases of progressive massive fibrosis (P.M.F.) (author's transl)] Kobayashi Y, et al. **Rinsho Hoshasen** 1980 Sep 25; 25(9):927–30 (Eng. Abstr.) **(Jpn)**
[Difficulties of differential diagnosis of pneumoconiosis and allergic alveolitis in the light of observation of a case of pigeon breeder's disease] Goniewicz J. **Pol Tyg Lek** 1981 May 11;36(19):681–2 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

[Ventilatory effect and side effects of oral bamifylline] Minette A. **Rev Inst Hyg Mines (Hasselt)** 1978;33(4):211–21 (Eng. Abstr.) **(Dut, Fre)**
[Comparative results of lysozyme and prodigiozan aerosol treatment of complicated forms of pneumoconiosis] Mursalimov ZM, et al. **Gig Tr Prof Zabol** 1980;(12):55–7 **(Rus)**
[Drug resistance of Mycobacterium tuberculosis in coniotuberculosis] Beskrovnyĭ PS, et al. **Vrach Delo** 1981 Aug;(8):72–4 **(Rus)**

ECONOMICS

Coal workers' pneumoconiosis and the compensation dilemma. Whitaker PJ. **JOM** 1981 Jun;23(6):422–6

ENZYMOLOGY

[Leukocyte functional state in pneumoconiosis patients according to cytochemical study data] Ostrun IuZ, et al. **Gig Tr Prof Zabol** 1980 Nov;(11):23–5 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Talc dust pneumoconiosis. Berner A, et al. **Acta Pathol Microbiol Scand [A]** 1981 Jan;89A(1):17–21
Clinical and experimental studies of the effects of pulverized fuel ash—a review. Bonnell JA, et al. **Ann Occup Hyg** 1980; 23(2):159–64 (9 ref.)
Occupational lung diseases. Weill H. **Hosp Pract** 1981 Apr; 16(4):65–80
Coal workers' pneumoconiosis. Green FH, et al. **Pathol Annu** 1980;15(Pt 2):333–410 (201 ref.)
Changes in rat lung produced by olivine dust inhalation. Governa M, et al. **Pathologica** 1979 Nov–Dec; 71(1016):745–53
[Pneumoconiosis in fireworks workers (author's transl)] **Chung Hua Yu Fang I Hsueh Tsa Chih** 1980 Aug; 14(3):174–6 **(Chi)**
[A survey of pneumoconiosis sufferers in a mica mine (author's transl)] **Chung Hua Yu Fang I Hsueh Tsa Chih** 1980 Aug; 14(3):177–8 **(Chi)**
[Experimental study on etiology of pneumoconiosis among workers exposed to artificial corundum (author's transl)] Yang MY. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1980 Nov;14(4):219–20 **(Chi)**
[Lung tissue changes associated with inorganic dust deposition] Sutinen S, et al. **Duodecim** 1979;95(18):1123–33 (Eng. Abstr.) **(Fin)**
[Reaction of the interior lobes of the lung to the inhalation of mineral fibers] Bignon J, et al. **C R Soc Biol (Paris)** 1980;174(4):479–87 (Eng. Abstr.) **(Fre)**
[Lung disease after long-term inhalation of organic dusts in employees of a drug firm (author's transl)] Wiessmann KJ, et al. **Dtsch Med Wochenschr** 1981 Apr 3;106(14):431–6 (Eng. Abstr.) **(Ger)**
[Mononuclear phagocyte activation in the development of pneumoconiosis (author's transl)] Schiller E. **Prax Klin Pneumol** 1980 Jul;34(7):411–3 (Eng. Abstr.) **(Ger)**
[Comparative characteristics of the effect of the dust factor on the respiratory organs of workers depending on the cement manufacture technology] Makulova ID, et al. **Gig Tr Prof Zabol** 1981 Feb;(2):36–7 **(Rus)**

IMMUNOLOGY

Serum immunoglobulin levels in coal workers' pneumoconiosis. Hahon N, et al. **Ann Occup Hyg** 1980; 23(2):165–74
[A study on pneumoconiosis due to diatomaceous earth dust. (Report 2). Immunological examinations in workers with and without pneumoconiosis (author's transl)] Omura T. **Nippon Eiseigaku Zasshi** 1980 Jun;35(2):517–23 (Eng. Abstr.) **(Jpn)**

METABOLISM

Quantitative determination of the exogenous and endogenous storage iron content of haematite workers' lungs. Guest L. **Analyst** 1981 Jun;106(1263):663–75

MICROBIOLOGY

[Phase contrast method in the laboratory diagnosis of coniotuberculosis] Beskrovnyĭ PS, et al. **Vrach Delo** 1980 Dec;(12):70–2 (Eng. Abstr.) **(Rus)**

OCCURRENCE

A follow-up study of the grain elevator workers in the Port of Vancouver. Chan-Yeung M, et al. **Arch Environ Health** 1981 Mar–Apr;36(2):75–81
Effects of exposure to slate dust in North Wales. Glover JR, et al. **Br J Ind Med** 1980 May;37(2):152–62
Effects of exposure to slate dust in North Wales. Jones A. **Br J Ind Med** 1980 Nov;37(4):405–6

Epidemiologic aspects of suberosis and vineyard's sprayers lung. Avila R. **Bronchopneumologie** 1980 Jan-Feb; 30(1):50-60

Dust and non-specific respiratory disorders in foundry workers and coal miners in the Rhine-Ruhr area. Smidt U. **Rev Inst Hyg Mines (Hasselt)** 1979;34(2):70-6

[26 years of research in pneumoconiosis in the field of British coal mines. Contribution of that research to the epidemiology of pulmonary disorders in miners] Jacobsen M. **Ann Inst Pasteur (Paris)** 1979;34(4):203-16 (Eng. Abstr.) **(Fre)**

[Identification of the situations and persons at risk from occupational pneumoconiosis] Aresini G. **Radiol Med (Torino)** 1979 Nov;65(11):823-5 **(Ita)**

[Dimensions of the occupational pneumoconiosis phenomenon in Trento Province. Epidemiological methodology for prevention] Nardelli G, et al. **Radiol Med (Torino)** 1979 Nov;65(11):820-3 **(Ita)**

[Pneumoconiosis in garage workers (author's transl)] Yoshida A. **Nippon Igaku Hoshasen Gakkai Zasshi** 1980 Jun; 40(6):547-56 (Eng. Abstr.) **(Jpn)**

[Incidence of pneumoconiosis in welders in semiautomatic systems in the light of environmental studies] Rabenda A. **Med Pr** 1980;31(3):239-53 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Relation between progressive massive fibrosis, emphysema, and pulmonary dysfunction in coalworkers' pneumoconiosis. Lyons JP, et al. **Br J Ind Med** 1981 May; 38(2):125-9

Pathologic changes associated with experimental exposure of rats to coal dust. Busch RH, et al. **Environ Res** 1981 Feb;24(1):53-60

Analytical electron microscopy in the study of pneumoconiosis. Hayashi H. **Environ Res** 1980 Dec; 23(2):410-21

Objective pathological diagnosis of coal worker's pneumoconiosis. Fisher ER, et al. **JAMA** 1981 May 8; 245(18):1829-34

[Morphological changes in the respiratory organs in experimental pneumoconiosis] Borsuk VP. **Vrach Delo** 1981 Feb;(2):104-7 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Effect of layoff and rehire on respiratory variables of grain elevator workers. Broder I, et al. **Am Rev Respir Dis** 1980 Oct;122(4):601-8

Lung function in workers exposed to polyvinyl chloride dust. Chivers CP, et al. **Br J Ind Med** 1980 May;37(2):147-51

Radiology and respiratory function in 'vineyard sprayer's lung'. Villar TG, et al. **Bronchopneumologie** 1980 Jan-Feb; 30(1):61-7

Pulmonary haemodynamics in coal workers' pneumoconiosis and non-pneumoconiotic patients with chronic obstructive airways disease. Bugalho de Almeida AA, et al. **Respiration** 1980;40(1):31-7

[Bronchial hyperreactivity in miners with pneumoconiosis] Guerrin F, et al. **Rev Inst Hyg Mines (Hasselt)** 1980; 35(2):73-84 (Eng. Abstr.) **(Fre)**

[A study on pneumoconiosis due to diatomaceous earth dust. (Report 1). Respiratory function abnormalities in workers with and without pneumoconiosis (author's transl)] Omura T. **Nippon Eiseigaku Zasshi** 1980 Jun;35(2):508-16 (Eng. Abstr.) **(Jpn)**

[Permeability of the histohematic barriers in dust-related bronchitis] Kleiner AI, et al. **Vrach Delo** 1981;(6):106-7 **(Rus)**

PREVENTION & CONTROL

[Epidemiology, medical and technical prevention of coal worker's pneumoconiosis] Minette A. **Rev Inst Hyg Mines (Hasselt)** 1980;35(1):34-48 **(Dut, Fre)**

[Prevention of pneumoconiosis in the hard metal industry (letter)] Moline J, et al. **Nouv Presse Med** 1980 Oct 11; 9(37):2735 **(Fre)**

[Occupational risks in the French coal fields] Amoudru C. **Rev Inst Hyg Mines (Hasselt)** 1980;35(1):5-16 **(Fre)**

[Organizational aspects of preventing dust-caused lung diseases in Donbass miners] Zinger FKh, et al. **Gig Tr Prof Zabol** 1981 Jan;(1):21-4 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Clinical and radiological study in sepiolite workers. Baris YI, et al. **Arch Environ Health** 1980 Nov-Dec;35(6):343-6

Some radiological aspects in cement workers. Freitas e Costa M, et al. **Bronchopneumologie** 1980 Jan-Feb;30(1):74-81

Development of radiographic abnormality in chrysotile miners and millers. Eyssen GM. **Chest** 1980 Aug;78(2 Suppl):411-4

Occupational lung disease discussed by: Thomas E. Hobbins, MD, Assistant Professor of Medicine, medical director, respiratory therapy, University of Maryland School of Medicine: medical grand rounds, South Baltimore General Hospital. **Md State Med J** 1981 Jan;30(1):86-90

Classification of radiographs of the pneumoconioses. **Med Radiogr Photogr** 1981;57(1):2-17

[Use of the ILO/UC International classification of radiographs of pneumoconioses in 302 subjects exposed to asbestos (author's transl)] Hirsch A, et al. **Rev Fr Mal Respir** 1979 Dec;7(7):695-706 (Eng. Abstr.) **(Fre)**

[Contribution to the radiologic findings in cerium pneumonoconiosis (author's transl)] Hecht FM, et al. **Prax Klin Pneumol** 1980 Mar;34(3):169-73 (Eng. Abstr.) **(Ger)**

[Metal pneumoconiosis (author's transl)] Frank A, et al. **ROEFO** 1980 Sep;133(3):240-4 (Eng. Abstr.) **(Ger)**

[Evaluation of the specific contribution of radiology to the pneumoconiosis problem] Faccini M. **Radiol Med (Torino)** 1979 Nov;65(11):831-2 **(Ita)**

[Cost/benefit ratio in the radiologic prevention of occupational pneumoconiosis] Garavaglia C. **Radiol Med (Torino)** 1979 Nov;65(11):840-2 **(Ita)**

[Limits, times and means of the radiologic contribution to the diagnosis of occupational pneumoconiosis] Giobbi A. **Radiol Med (Torino)** 1979 Nov;65(11):830-1 **(Ita)**

[Contribution of radiology to preventing occupational lung diseases, particularly pneumoconiosis] Marano P. **Radiol Med (Torino)** 1979 Nov;65(11):832-5 **(Ita)**

[Radiologic picture of occupational pneumoconiosis] Piazza G, et al. **Radiol Med (Torino)** 1979 Nov;65(11):825-8 **(Ita)**

[Use and management of the means for the diagnostic verification of occupational pneumoconiosis] Taddei L. **Radiol Med (Torino)** 1979 Nov;65(11):842-4 **(Ita)**

[The correlation between the score evaluation of radiographic severity and the pulmonary function in pneumoconiosis (author's transl)] Kato Y, et al. **Sangyo Igaku** 1980 Jul;22(4):263-73 (Eng. Abstr.) **(Jpn)**

[Follow-up study of lung changes after carbon black exposure] Beritić-Stahuljak D, et al. **Acta Med Iugosl** 1980; 34(5):363-72 (Eng. Abstr.) **(Ser)**

PNEUMOCYSTIS CARINII

DRUG EFFECTS

Effect of proteolytic enzymes on Pneumocystis carinii in rat lung tissue. Stahr BJ, et al. **J Parasitol** 1981 Apr; 67(2):196-202

IMMUNOLOGY

The in vitro response of human lymphocytes to Pneumocystis carinii antigen. Herrod HG, et al. **J Immunol** 1981 Jan; 126(1):59-61

Comparison of rat, mouse, and human Pneumocystis carinii by immunofluorescence. Walzer PD, et al. **J Infect Dis** 1980 Sep;142(3):449

Prevalence of Pneumocystis carinii pneumonitis in severe combined immunodeficiency. Leggiadro RJ, et al. **J Pediatr** 1981 Jul;99(1):96-8

PNEUMOCYSTIS CARINII PNEUMONIA see **PNEUMONIA, INTERSTITIAL PLASMA CELL**

PNEUMOENCEPHALOGRAPHY

Air-CT cisternography and canalography for small acoustic neuromas. Kricheff II, et al. **AJNR** 1980 Jan-Feb; 1(1):57-63

Bilateral cerebellopontine angle air-CT cisternography. Lee SH, et al. **AJNR** 1981 Jan-Feb;2(1):105-6

The value of metrizamide CT cisternography in the management of cerebral arachnoid cysts. Wolpert SM, et al. **AJNR** 1981 Jan-Feb;2(1):29-35

Progressive supranuclear palsy: pneumoencephalography, electronystagmography and treatment with methysergide. Paulson GW, et al. **Eur Neurol** 1981;20(1):13-6

Computed tomography and pneumoencephalography compared to conductance to outflow of CSF in normal pressure hydrocephalus. Børgesen SE, et al. **Neuroradiology** 1980 Aug;20(1):17-22

Radiological Diagnosis of Periventricular and Subcortical Leukomalacia. Taboada D, et al. **Neuroradiology** 1980 Aug; 20(1):33-41

[Remote psychomotor disturbances following brain injury---pneumoencephalographic and clinical analysis of 42 cases (author's transl)] Li SJ. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1979; 12(4):201-3 **(Chi)**

[Combined examination technique using air cisternography and computed tomography in tumours of the cerebellopontine angle (author's transl)] Wende S. **ROEFO** 1980 Jun;132(6):666-7 (Eng. Abstr.) **(Ger)**

[Pneumoencephalographic findings in progressive supranuclear paralysis] Marconi GP, et al. **Riv Patol Nerv Ment** 1981 Jul-Aug;101(4):202-12 (Eng. Abstr.) **(Ita)**

[Pneumoencephalography and acid-base equilibrium in blood and cerebrospinal fluid (author's transl)] Bryc S, et al. **Pol Przegl Radiol** 1980;44(4):279-81 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Esotropia: unusual complication of myelography and pneumoencephalography. Newmark H 3d, et al. **AJNR** 1981 May-Jun;2(3):278-9

METHODS

Cisternal abnormalities produced by clinical tumours in the posterior cranial fossa. III. Tumours of the brain stem and pontine angle. Lindqvist M. **Acta Radiol [Diagn] (Stockh)** 1980;21(3):339-56

The use of tomography in air encephalograms. Shiong CS. **Radiography** 1980 Jul;46(547):174-6

[Early diagnosis of acoustic neurinomas with computed tomography and air meatography. A comparison to meatography with lipid contrast medium (author's transl)] Rettinger G, et al. **HNO** 1981 Mar;29(3):73-8 (Eng. Abstr.) **(Ger)**

PNEUMOMEDIASTINUM see **MEDIASTINAL EMPHYSEMA**

PNEUMOMEDIASTINUM, DIAGNOSTIC

Gas-contrasted computed tomography of the mediastinum. Mitsuoka A, et al. **J Comput Assist Tomogr** 1981 Aug; 5(4):588-90

[Gas-contrasted computed tomography for evaluation of mediastinal lesions (author's transl)] Mitsuoka A, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Mar;29(3):409-19 (Eng. Abstr.) **(Jpn)**

PNEUMONECTOMY

Optimization of arterial oxygenation during one-lung anesthesia. Capan LM, et al. **Anesth Analg (Cleve)** 1980 Nov;59(11):847-51

One-lung pediatric anesthesia. Rao CC, et al. **Anesth Analg (Cleve)** 1981 Jun;60(6):450-2

Serum levels of doxycycline during and after thoracic operation. Silvola H, et al. **Ann Clin Res** 1981 Feb; 13(1):22-5

Continuous ketamine infusion for one-lung anaesthesia. Weinreich AI, et al. **Can Anaesth Soc J** 1980 Sep; 27(5):485-90

Lobectomy and bronchoplasty for cancer. Robinson CL, et al. **Can J Surg** 1981 Mar;24(2):196-7

Drug resistant pulmonary choriocarcinoma metastasis treated by lobectomy: report of 29 cases. Wang YA, et al. **Chin Med J [Engl]** 1980 Nov;93(11):758-66

Delayed Serratia empyema post pneumonectomy treated with thoracoplasty and muscle flap. Zilberstein BS, et al. **Conn Med** 1981 Jun;45(6):353-5

Radiographic signs in post pneumonectomy bronchopleural fistula. Lams P. **J Can Assoc Radiol** 1980 Sep;31(3):178-80

Pneumonectomy in nonneoplastic disease its role in current therapy. Thurer RJ. **J Fla Med Assoc** 1980 Dec; 67(12):1067-72

Management of tuberculous destroyed lung in Nigeria. Adebonojo SA, et al. **J Natl Med Assoc** 1981 Jan; 73(1):39-42

Bronchoscopic diagnosis and treatment of bronchial stump suture granulomas. Baumgartner WA, et al. **J Thorac Cardiovasc Surg** 1981 Apr;81(4):553-5

Bronchopleural fistula following pneumonectomy for carcinoma of the bronchus: mechanical stapling versus hand suturing. Forrester-Wood CP. **J Thorac Cardiovasc Surg** 1980 Sep;80(3):406-9

Pulmonary resection in the management of metastases from gestational choriocarcinoma. Sink JD, et al. **J Thorac Cardiovasc Surg** 1981 Jun;81(6):830-4

Clinical value of quantitative ventilation-perfusion lung scans in the surgical management of bronchogenic carcinoma. Wernly JA, et al. **J Thorac Cardiovasc Surg** 1980 Oct; 80(4):535-43

Notes on the use of thoracoscopy in the study of postpneumonectomy broncopleural fistulae. Caironi C, et al. **Panminerva Med** 1980 Jul-Sep;22(3):137-8

Forced oscillatory resistance and compliance parameters following pneumonectomy in beagle dogs. Pimmel RL, et al. **Respiration** 1981;41(1):17-24

Prospective clinical trial of antibiotics for pulmonary resections. Cameron JL, et al. **Surg Gynecol Obstet** 1981 Feb;152(2):156-8

Prediction of postoperative cardiopulmonary function in patients undergoing pneumonectomy. Taube K, et al. **Thorac Cardiovasc Surg** 1980 Oct;28(5):348-51

Recurrent major haemoptysis: progression to pneumonectomy. Baumgartner WA, et al. **Thorax** 1980 Dec;35(12):905-6

Postpneumonectomy interatrial right-to-left shunt. Holtzman H, et al. **Thorax** 1980 Apr;35(4):307-9

[Treatment of drug resistant pulmonary metastasis of choriocarcinoma with lobectomy (a report of 29 cases) (author's transl)] Wang YE. **Chung Hua Fu Chan Ko Tsa Chih** 1979;14(3):173-7 **(Chi)**

[Pneumonectomy for bronchial carcinoma at advanced age] van den Bosch JM, et al. **Ned Tijdschr Geneeskd** 1980 Oct 25;124(43):1814-8 (Eng. Abstr.) **(Dut)**

[Pulmonary excisions and exacerbation of old peptic ulcer. Attempt at prevention by vagotomy-pyloroplasty (author's transl)] Ribet M, et al. **Chirurgie** 1980;106(2):132-5 (Eng. Abstr.) **(Fre)**

[Results of surgery of metastases] Gall FP, et al. **Fortschr Med** 1981 Jun 28;99(23):906-9 (Eng. Abstr.) **(Ger)**

[Residual pneumothorax following lobectomy] Famos M, et al. **Helv Chir Acta** 1980 Jun;47(1-2):33-6 (Eng. Abstr.) **(Ger)**

[Follow-up tests of lung function 10–15 years after partial pneumonectomy (author's transl)] Bloedner CD. **Prax Klin Pneumol** 1981 Jun;35(6):268–75 (Eng. Abstr.) **(Ger)**

[Computerized tomography in the diagnosis of early and late complications after lung surgery (author's transl)] Kempmann G, et al. **Prax Klin Pneumol** 1980 Aug; 34(8):493–8 (Eng. Abstr.) **(Ger)**

[Long-term survival after pulmonary resection in bronchogenic carcinoma (author's transl)] Schlick W, et al. **Wien Klin Wochenschr** 1981 May 15;93(10):325–8 (Eng. Abstr.) **(Ger)**

[Cardiopulmonary capacity before and after lung operation (author's transl)] Schleusing G, et al. **Z Erkr Atmungsorgane** 1980 May;155(2):207–19 (Eng. Abstr.) **(Ger)**

[Aspects of lung function evaluation before and after lung resections (author's transl)] Thomas E. **Z Erkr Atmungsorgane** 1980 May;155(2):199–206 (Eng. Abstr.) **(Ger)**

[Anesthesia problems in thoracic and lung surgery; the use of althesin as an alternative solution] Giomarelli PP, et al. **Minerva Anestesiol** 1980 Feb;46(2):169–72 (Eng. Abstr.) **(Ita)**

[Surgical treatment of pulmonary metastases. A personal case] Di Nicola G, et al. **Minerva Chir** 1980 Sep 30; 35(18):1389–92 (Eng. Abstr.) **(Ita)**

[Problems of immunological monitoring and lung excision for carcinoma] Mello Teggia P, et al. **Minerva Med** 1981 Jun 23;72(25):1595–7 (Eng. Abstr.) **(Ita)**

[Postoperative changes in flow–volume curve and spirogram after pulmonary resection (author's transl)] Yamazaki S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1980 Jun; 28(6):952–8 (Eng. Abstr.) **(Jpn)**

[Lung surgery, limited operation and related subjects] Ogata T, et al. **Nippon Rinsho** 1980 Jul;38(7):2659–65 **(Jpn)**

[Gas exchange characteristics in blood loss compensation after lung resection] Pavlov VA. **Grudn Khir** 1981 Mar–Apr;(2):67–70 **(Rus)**

[Pulmonary ventilation, blood gas levels and their dynamics in lung cancer after radical operations] Pirogov AI, et al. **Grudn Khir** 1981 Jul–Aug;(4):67–71 (Eng. Abstr.) **(Rus)**

[Functional disorders of the cardiovascular system at remote periods after pneumonectomy] Sakharov VA, et al. **Grudn Khir** 1980 Nov–Dec;(6):72–7 (72 ref.) **(Rus)**

[Compensatory functional changes in the lungs in the immediate and late periods after a resection] Frinerman EA, et al. **Klin Khir** 1980 Oct;(10):25–8 (Eng. Abstr.) **(Rus)**

[Chronic respiratory insufficiency and the effectiveness of lung resection in suppurative diseases] Kogosov IuA, et al. **Klin Khir** 1980 Oct;(10):17–9 (Eng. Abstr.) **(Rus)**

[State of the pulmonary blood flow before and after resections in tuberculosis patients according to radioisotope study data] Iampol'skaia VD, et al. **Probl Tuberk** 1980 Oct; (10):60–4 (Eng. Abstr.) **(Rus)**

[Reasons for tuberculosis reactivation after a lung resection] Kakitelashvili IaV, et al. **Probl Tuberk** 1980 Sep;(9):15–8 (Eng. Abstr.) **(Rus)**

[Pulmonary blood flow in bronchiectasis patients before and after lung resection] Medvenskiĭ BV, et al. **Vestn Khir** 1981 Apr;126(4):17–20 (Eng. Abstr.) **(Rus)**

[Experimental study of the morphohistochemical changes in the liver during postoperative pulmonary hypertension] Rusanov GA, et al. **Vestn Khir** 1980 Jun;124(6):3–8 (Eng. Abstr.) **(Rus)**

[Effect of prolonged peridural anesthesia on the indices of external respiration, lung gas exchange and central hemodynamics after partial lung resections] Strashnov VI, et al. **Vestn Khir** 1980 Sep;125(9):97–101 (Eng. Abstr.) **(Rus)**

[Effect of blood transfusions during surgery on pulmonary gas exchange and hemodynamics after partial lung resections] Strashnov VI, et al. **Vestn Khir** 1981 Mar; 126(3):121–5 (Eng. Abstr.) **(Rus)**

[Changes in the mechanics of respiration and lung perfusion following partial lung resection] Strashov VI, et al. **Vestn Khir** 1980 Jun;124(6):14–8 (Eng. Abstr.) **(Rus)**

[Functional state of the remaining lung following pneumonectomy] Teliatnikova GV, et al. **Vestn Khir** 1980 May;124(5):29–33 (Eng. Abstr.) **(Rus)**

[Experimental study of the anatomical–physiological basis for pulmonary circulation shunting in extensive lung resections] Vaĭda RI. **Vestn Khir** 1980 Jun;124(6):9–14 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Platypnea syndrome after left pneumonectomy. LaBresh KA, et al. **Chest** 1981 May;79(5):605–7

The effect of overdistention of the lung on pulmonary function in beagle puppies. Raffensperger JG, et al. **J Pediatr Surg** 1979 Dec;14(6):757–60

Postpneumonectomy oesophagopleural fistula. Van Den Bosch JM, et al. **Thorax** 1980 Nov;35(11):865–8

[Clinical analysis of 107 cases of internal hemorrhage after lung resection (author's transl)] Xu JZ. **Chung Hua Wai Ko Tsa Chih** 1980;18(5):427–30 **(Chi)**

[About double drainage empyema treatment with bronchial fistula afer pneumonectomy (author's transl)] Potier A, et al. **J Chir (Paris)** 1980 Nov;117(11):651–4 (Eng. Abstr.) **(Fre)**

[Can the effect of pneumonectomy on cardiopulmonary function be anticipated? (author's transl)] Taube K, et al. **Prax Klin Pneumol** 1980 Sep;34(9):548–54 (Eng. Abstr.) **(Ger)**

[Injury of the thoracic segment of the thoracic duct in right lobe pneumonectomy for tuberculosis] Akmatov TA, et al. **Grudn Khir** 1980 Nov–Dec;(6):81–2 **(Rus)**

[Conservative treatment of postoperative clotted hemothorax] Briusov PG, et al. **Grudn Khir** 1980 Nov–Dec; (6):52–5 (Eng. Abstr.) **(Rus)**

[2 cases of successful closure of a fenestrated tracheal defect in the presence of empyema and a large thoracic defect after a right-sided pulmonectomy] Ivanov AV, et al. **Grudn Khir** 1980 Sep–Oct;(5):84–5 **(Rus)**

[Causes of bronchial stump incompetence (clinical and morphological parallels)] Manevich VL, et al. **Grudn Khir** 1981 Mar–Apr;(2):43–6 (Eng. Abstr.) **(Rus)**

[Complications after lobectomy with resection and plastic repair of the bronchi in lung cancer] Rodionov VV, et al. **Grudn Khir** 1981 Jan–Feb;(1):57–62 (Eng. Abstr.) **(Rus)**

[Elimination of the bronchial fistula after pneumonectomy] Kharchenko VP, et al. **Khirurgiia (Mosk)** 1981 Feb; (2):100–2 **(Rus)**

HISTORY

'Classics' and total pneumonectomy [letter] White JJ. **Ann Thorac Surg** 1981 Aug;32(2):216

[History of lung surgery] Stahnke J. **MMW** 1980 Oct 24; 122(43):1517–8 **(Ger)**

INSTRUMENTATION

[The automatic stapling devices: a real progress in the resections of pulmonary tissue (author's transl)] Arcerito S, et al. **Chir Ital** 1981 Feb;33(1):135–40 (Eng. Abstr.) **(Ita)**

METHODS

One-lung high-frequency pressure ventilation for sleeve pneumonectomy: an alternative technique. El-Baz N, et al. **Anesth Analg (Cleve)** 1981 Sep;60(9):683–6

Loose anvil on TA-30 stapler [letter] Read RC, et al. **Ann Thorac Surg** 1980 Oct;30(4):408–9

Prospective evaluation for pneumonectomy using perfusion scanning: follow-up beyond one year. Boysen PG, et al. **Chest** 1981 Aug;80(2):163–6

Relationship between preoperative pulmonary function tests and complications after thoracotomy. Boysen PG, et al. **Surg Gynecol Obstet** 1981 Jun;152(6):813–5

Sleeve lobectomy: an alternative to pneumonectomy in the treatment of bronchial carcinoma. Ungar I, et al. **Thorac Cardiovasc Surg** 1981 Feb;29(1):41–6

[Surgery for bronchogenic carcinoma in patients over 70 years old (author's transl)] Wapler C, et al. **Ann Chir** 1981; 35(3):207–12 (Eng. Abstr.) **(Fre)**

[Results following radical pneumonectomy for bronchial carcinoma] Geroulanos S, et al. **Helv Chir Acta** 1980 Jun; 47(1–2):61–5 (Eng. Abstr.) **(Ger)**

[Wedge-lobe-resection of the bronchogenic cancer (author's transl)] Kurpat D, et al. **Z Erkr Atmungsorgane** 1980; 155(1):41–5 (Eng. Abstr.) **(Ger)**

[Functional and morphological studies following bilateral combined bi-lobectomy with resection of th bronchus and pulmonary artery in an animal experiment] Rabinowitsch JJ. **Z Exp Chir** 1980;13(3):122–36 (Eng. Abstr.) **(Ger)**

[Pulmonary blood flow in bronchiectasis patients before and after segmental and combined lung resections] Medvenskiĭ BV, et al. **Grudn Khir** 1981 May–Jun;(3):60–5 (Eng. Abstr.) **(Rus)**

[Indications for resection of the basal segments in lung diseases of nonspecific etiology in children] Pugachev AG, et al. **Grudn Khir** 1981 Jan–Feb;(1):37–41 (Eng. Abstr.) **(Rus)**

[Autologous blood transfusion in planned operations on the lungs] Ryzhankov AK, et al. **Grudn Khir** 1980 Nov–Dec; (6):67–9 (Eng. Abstr.) **(Rus)**

[Bilobectomy and combined lung resection in children and adolescents] Ertli AA. **Klin Khir** 1980 Oct;(10):53–6 (Eng. Abstr.) **(Rus)**

[Combined lung resections in disseminated tuberculosis] Strel'tsov VP, et al. **Probl Tuberk** 1980 Sep;(9):18–21 (Eng. Abstr.) **(Rus)**

[Circular resection of the left main bronchus with inferior lobectomy] Dzhafarov ChM, et al. **Vestn Khir** 1981 Feb; 126(2):77 **(Rus)**

[Surgical-anatomical basis for plastic repair of the remaining pleural cavity after pulmonectomy with lobar displacement of the other lung] Iakovleva IM. **Vestn Khir** 1980 Aug; 125(8):19–22 (Eng. Abstr.) **(Rus)**

[Pleuropneumonectomy with the trans-sternal approach] Ivanov VA. **Vestn Khir** 1981 Jan;126(1):66–71 (Eng. Abstr.) **(Rus)**

MORTALITY

[The investigation of the management for pulmonary resections on the basis of factors of mortality shortly after operation (author's transl)] Ding JA. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1980 Feb;3(2):97–100 **(Chi)**

PNEUMONIA

Legionnaires' disease in the postoperative patient. Serota AI, et al. **J Surg Res** 1981 May;30(5):417–27

[Pneumonia, clinical approach] Bergeron MG. **Union Med Can** 1980 Feb;109 Suppl(2):34–8 **(Fre)**

[Pneumonias in infancy] Hofmann D. **ZFA (Stuttgart)** 1980 Apr 10;56(10):673–6 **(Ger)**

BLOOD

Serum zinc in pulmonary infections. Khatri PC, et al. **Indian Pediatr** 1981 Feb;18(2):120–2

Improved oxygenation in patients with extensive unilateral pneumonia using the lateral decubitus position. Dhainaut JF. et al. **Thorax** 1980 Oct;35(10):792–3

[Ch ges in the serum lipid indices in acute pneumonia and their clinical significance] Ivanova R, et al. **Vutr Boles** 1981; 20(1):76–82 (Eng. Abstr.) **(Bul)**

[Serum transferrin in acute respiratory tract infections] Guzikowska E, et al. **Pediatr Pol** 1981;56(4):393–6 (Eng. Abstr.) **(Pol)**

[Blood copper and iron levels in the course of various febrile diseases in children] Kielczewska-Mrozikiewicz D. **Pediatr Pol** 1981 Feb;56(2):149–52 **(Pol)**

[Effect of iron treatment on blood oxygenation in infants and young children with pneumonia] Szydłowski E, et al. **Pediatr Pol** 1980 Jul;55(7):859–65 (Eng. Abstr.) **(Pol)**

[Blood viscosity in pneumonia and acute respiratory tract infections] Turczyński B, et al. **Pol Tyg Lek** 1980 Oct 20; 35(42):1607–9 (Eng. Abstr.) **(Pol)**

[Description of the leukocyte count dynamics in pneumonia and acute respiratory viral infection] Ryneĭskaia ES, et al. **Pediatriia** 1981 Jan;(1):23–5 (Eng. Abstr.) **(Rus)**

[Value of the hemogram in the differential diagnosis of lung diseases] Piatnochka IT, et al. **Vrach Delo** 1981;(6):85–6 **(Rus)**

CHEMICALLY INDUCED

Fatal chemical pneumonia from 1,1,2,3,3-pentafluoro-3-chloropropene in an unmarked gas tank. Thun M, et al. **Clin Toxicol** 1981;18(4):481–7

Antidepressant medication [letter] Shaw WL. **Ir Med J** 1981 Mar;74(3):97

Unilateral methotrexate-induced pneumonitis. Rohatgi PK, et al. **J Natl Med Assoc** 1980 Sep;72(9):896–9

Criteria for hospitalizing children who have ingested products containing hydrocarbons. Anas N, et al. **JAMA** 1981 Aug 21;246(8):840–3

Cadmium fume [letter] **Lancet** 1980 Sep 20;2(8195 pt 1):641–2

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 41–1980. **N Engl J Med** 1980 Oct 16;303(16):927–33

[Methotrexate pneumopathy associated with cold agglutinins ' (letter)] Camus P, et al. **Nouv Presse Med** 1980 Dec 20; 9(48):3698 **(Fre)**

COMPLICATIONS

Salmonella pneumonia in a patient with carcinoma of the lung. Berkeley D, et al. **Am J Clin Pathol** 1980 Oct; 74(4):476–8

Parapneumonic effusions. Light RW, et al. **Am J Med** 1980 Oct;69(4):507–12

Pneumonia during treatment of acute leukaemia [letter] Slevin M, et al. **Br Med J [Clin Res]** 1981 Feb 7; 282(6262):473

Persistent postpneumonic pneumatoceles in children. Victoria MS, et al. **Chest** 1981 Mar;79(3):359–61

'Acquired' congenital diaphragmatic hernia following early onset group B streptococcal pneumonia. Giacoia GP, et al. **Clin Pediatr (Phila)** 1980 Oct;19(10):662–3

Pneumatocoeles following Haemophilus influenzae pneumonia. Warner JO, et al. **Clin Radiol** 1981 Jan; 32(1):99–105

Neonatal GBS with right diaphragmatic hernia. Horbar JD. **Hosp Pract** 1980 Oct;15(10):142–3, 146–7

Interrelationship of chronic eosinophilic pneumonia, bronchiolitis obliterans, and rheumatoid disease: a hypothesis. Cooney TP. **J Clin Pathol** 1981 Feb; 34(2):129–37

Coexisting gastric adenocarcinoma and lymphoma following pulmonary lymphocytic infiltration. Parham DM, et al. **J Tenn Med Assoc** 1981 Aug;74(8):569–72

Pneumonia and septicemia due to Pseudomonas cepacia in a patient with cystic fibrosis. Rosenstein BJ, et al. **Johns Hopkins Med J** 1980 Nov;147(5):188–9

Pneumonia, stroke, and laterality [letter] Kaldor A, et al. **Lancet** 1981 Apr 11;1(8224):843

Unilateral pulmonary oedema and Pseudomonas pneumonia. Uppington J, et al. **Postgrad Med J** 1980 Sep;56(659):677–8

Pneumonia in hairy-cell leukemia. Libshitz HI, et al. **Radiology** 1981 Apr;139(1):19–24

Fatal massive hemoptysis due to pneumonia [letter] Murthy R, et al. **South Med J** 1981 May;74(5):647–8

Pulmonary cavitation caused by Haemophilus influenzae in adults. Robbins AW, et al. **South Med J** 1981 Feb; 74(2):225–7

[Adrenocortin and chlorpromazine, etc. in treatment of shock following pneumonia (author's transl)] Sun JK. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1979;2(4):213–5 **(Chi)**

[Pneumatoceles and Escherichia coli pneumonia.. Apropos

of 3 neonatal cases] Cottancin G, et al. **Pediatrie** 1980; 35(8):699–705 (Eng. Abstr.) **(Fre)**

[Fatal aspergillosis after infarction-induced pneumonia. A contribution to the epidemiology, diagnosis and prevention of aspergillosis of the lungs (author's transl)] Staib F, et al. **Prax Klin Pneumol** 1980 Dec;34(12):732–8 (Eng. Abstr.) **(Ger)**

[Susceptibility for infections in patients with chronic polyarthritis] Rainer F, et al. **Z Rheumatol** 1980 May–Jun; 39(5–6):133–40 (Eng. Abstr.) **(Ger)**

[Incidence of arrhythmia in children with pneumonia] Urban M. **Pediatr Pol** 1981;56(4):385–91 (Eng. Abstr.) **(Pol)**

[Effect of the atmospheric pollution of the area of a chemical enterprise on workers having chronic ischemic heart disease, bronchitis and pneumonia] Mikhailuts AP. **Gig Tr Prof Zabol** 1980 Jul;(7):1–3 (Eng. Abstr.) **(Rus)**

[Bronchiectasis caused by acute destructive pneumonia in children and its surgical treatment] Boikov GA, et al. **Grudn Khir** 1981 Mar–Apr;(2):50–3 (Eng. Abstr.) **(Rus)**

[Late outcome of complicated forms of acute pneumonia in children] Gaidashev EA, et al. **Grudn Khir** 1981 Jan–Feb; (1):46–8 (Eng. Abstr.) **(Rus)**

[Intensive therapy of children with acute respiratory insufficiency in complicated forms of destructive pneumonia] Kondranin GV, et al. **Pediatriia** 1980 Jul; (7):26–8 **(Rus)**

[Scintigraphy in the evaluation of the state of the right ventricle in chronic pneumonia and pulmonary tuberculosis] Kornienko VT, et al. **Probl Tuberk** 1980 Dec; (12):40–2 (Eng. Abstr.) **(Rus)**

[Allergic and infectious lung diseases in bronchial asthma] Bakulin MP. **Ter Arkh** 1981;53(3):110–5 **(Rus)**

[Neurological disorders in acute pneumonia in young subjects] Zinchenko AP, et al. **Voen Med Zh** 1981 Feb; (2):58–9 **(Rus)**

[Hepatic lesion in suppurative inflammatory diseases in infants] Syr'eva TN, et al. **Vopr Okhr Materin Det** 1980 Sep;25(9):34–8 (Eng. Abstr.) **(Rus)**

[Ultrastructural bases for cardiovascular insufficiency in experimental chronic pneumonia] Kiseleva AF, et al. **Vrach Delo** 1981 Aug;(8):49–52 **(Rus)**

[Early and late post-stroke pneumonias] Martynov IuS, et al. **Zh Nevropatol Psikhiatr** 1980;80(11):1628–34 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Serious infection with Leptotrichia buccalis. Report of a case and review of the literature. Morgenstein AA, et al. **Am J Med** 1980 Nov;69(5):782–5 (18 ref.)

Pneumonia. Pinney M. **Am J Nurs** 1981 Mar;81(3):517–8

Fungal pneumonias; pulmonary coccidioidal syndromes (Part I). Primary and progressive primary coccidioidal pneumonias — diagnostic, therapeutic, and prognostic considerations. Bayer AS. **Chest** 1981 May;79(5):575–83 (45 ref.)

Fungal pneumonias: pulmonary coccidioidal syndromes (Part 2). Miliary, nodular, and cavitary pulmonary coccidioidomycosis; chemotherapeutic and surgical considerations. Bayer AS. **Chest** 1981 Jun;79(6):686–91

Fungal pneumonia (Part 4): invasive pulmonary aspergillosis. Herbert PA, et al. **Chest** 1981 Aug;80(2):220–5 (33 ref.)

Counterimmunoelectrophoresis in the diagnosis of Hemophilus influenzae pleural effusion. Holsclaw DS Jr, et al. **Chest** 1980 Dec;78(6):867–9

Lung punctures [editorial] Linnemann CC Jr. **Chest** 1980 Jul; 78(1):1–2

Needle aspiration of the lung in complex pneumonias. Palmer DL, et al. **Chest** 1980 Jul;78(1):16–21

The infectious pneumonias. McHenry MC. **Hosp Pract** 1980 Dec;15(12):41–52

Acute lupus pneumonitis in the puerperium. A case report and literature review. Myers SA, et al. **J Reprod Med** 1980 Nov;25(5):285–9

'How I do it' – head and neck. A targeted problem and its solution. Bronchoscopy as an aid in the diagnosis of pneumonia in pediatric immunosuppressed patients. What to order. Dudley JP, et al. **Laryngoscope** 1981 Aug; 91(8):1379–80

Managing patients with community-acquired pneumonia. Mandell GL. **Med Times** 1981 Mar;109(3):36–41, 45

Yersinia enterocolitica pneumonia. Ettensohn DB, et al. **NY State J Med** 1981 Apr;81(5):791–4

Value of tracheal aspirates questioned [letter] Goldman SL. **Pediatrics** 1980 Dec;66(6):1026

Etiologic diagnosis of acute pneumonia in adults: a growing challenge. Gerding DN. **Postgrad Med** 1981 Apr; 69(4):136–50

Characteristics and management of chronic destructive pneumonia. Cameron EW, et al. **Thorax** 1980 May; 35(5):340–6

A pointing sign for localization in early pneumonia. Azinge NO, et al. **Trop Doct** 1981 Apr;11(2):50–1

[Tuberculous pneumonia in infants: reappearance of a former entity (author's transl)] Ferré P, et al. **Ann Pediatr (Paris)** 1981 Jun;28(6):421–4 (Eng. Abstr.) **(Fre)**

[Chlamydia trachomatis infant pneumonitis (author's transl)] Zach M, et al. **Paediatr Paedol** 1980;15(4):297–303 (Eng. Abstr.) **(Ger)**

[The pathogen spectrum of microbial pneumonias in adults from an operational diagnostic aspect] Bartmann K. **Prax Klin Pneumol** 1981 Mar;35(3):101–11 **(Ger)**

[Demonstration of meningococci in infections of the airways (author's transl)] Walter EU, et al. **Prax Klin Pneumol** 1981 Mar;35(3):123–6 (Eng. Abstr.) **(Ger)**

[Pneumonias—from symptom to diagnosis] Wegmann T. **ZFA (Stuttgart)** 1980 Apr 10;56(10):661–6 **(Ger)**

[Transtracheal aspiration in pulmonary infections] Liberman D, et al. **Harefuah** 1981 Feb 1;100(3):116–7 (Eng. Abstr.) **(Heb)**

[Differential diagnosis between chronic pulmonary emphysema and diffuse panbronchiolitis by the application of a 'theory of quantification' (author's transl)] Tominaga S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Aug; 18(8):493–500 (Eng. Abstr.) **(Jpn)**

[Pneumonia and other respiratory infections due to Mycoplasma pneumoniae] Voiculescu M, et al. **Rev Med Interna [Med Interna]** 1980 May–Jun;32(3):249–52 (Eng. Abstr.) **(Rum)**

Thromboelastography in various forms of acute suppurative, destructive pneumonia in children] Zolotovskiĭ BB, et al. **Grudn Khir** 1981 Mar–Apr;(2):65–7 (Eng. Abstr.) **(Rus)**

[Oxyproline determination in acute and chronic pneumonia] Garmash VIa, et al. **Klin Med (Mosk)** 1980 Dec; 58(12):39–42 **(Rus)**

[Current problems in pulmonology] Iablokov DD. **Klin Med (Mosk)** 1980 Aug;58(8):33–8 **(Rus)**

[Differential diagnosis of pneumonia and pulmonary tuberculosis recurrences] Kopelovich IuKh. **Klin Med (Mosk)** 1980 Dec;58(12):29–31 (Eng. Abstr.) **(Rus)**

[Use of the activated NBT test for revealing phagocytosis impairment in inflammatory lung diseases] Bumagina TK, et al. **Lab Delo** 1981;(4):200–2 (Eng. Abstr.) **(Rus)**

[Use of the nitroblue tetrazolium reduction reaction for the differential diagnosis of acute respiratory diseases and pneumonias in newborn infants] Pikuza OI, et al. **Pediatriia** 1980;(9):17–9 **(Rus)**

[Evaluation of the diagnostic significance of the clinical symptoms of acute pneumonia in children] Tatochenko VK, et al. **Pediatriia** 1981 Jan;(1):17–20 (Eng. Abstr.) **(Rus)**

[Bronchoscopy in the differential diagnosis of chronic bronchitis and chronic pneumonia] Krasnov VI. **Probl Tuberk** 1981 Apr;(4):42–4 (Eng. Abstr.) **(Rus)**

[Clinical bronchological and functional indices in chronic bronchitis and pneumonia] Grabil'tseva TA, et al. **Sov Med** 1980;(10):76–9 **(Rus)**

[Analysis of diagnostic errors made by emergency service physicians in acute pneumonia] Permiakova MK, et al. **Sov Med** 1980;(6):101–3 **(Rus)**

[Use of thermography in the diagnosis of pneumonia] Khalfen ESh, et al. **Ter Arkh** 1981;53(3):85–7 (Eng. Abstr.) **(Rus)**

[Possibilities of early diagnosis of protracted pneumonia and its transition to the chronic form] Panfilov IuA, et al. **Ter Arkh** 1981;53(3):81–5 (Eng. Abstr.) **(Rus)**

[Differential diagnosis of pneumonia and uremia pulmonary edema in patients with chronic renal failure] Shoĭkhet IN, et al. **Ter Arkh** 1981;53(3):25–7 (Eng. Abstr.) **(Rus)**

[Significance of the bicycle ergometric load in acute pneumonia patients] Kirkin BV, et al. **Voen Med Zh** 1981 Jun;(6):57–9 **(Rus)**

[Differential diagnosis of lung cancer and chronic pneumonia] Rudneva AV, et al. **Vrach Delo** 1980 Oct;(10):92–4 **(Rus)**

[Epileptic syndrome in nonspecific inflammatory diseases of the lungs] Tlapshokov MKh. **Zh Nevropatol Psikhiatr** 1980; 80(6):867–71 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Multiple recurrences of nocardial pneumonia. Stropes L, et al. **Am J Med Sci** 1980 Sep–Oct;280(2):119–22

Hemophilus influenzae pneumonia in adults: report of five cases caused by ampicillin-resistant strains. Stratton CW, et al. **Am Rev Respir Dis** 1980 Mar;121(3):595–8

Therapeutic effects of cefotiam and cefazolin on experimental pneumonia caused by Klebsiella pneumoniae DT-S in mice. Nishi T, et al. **Antimicrob Agents Chemother** 1980 Oct; 18(4):549–56

Cefuroxime in severe respiratory infections: a double-blind comparison of two doses. Pines A, et al. **Br J Dis Chest** 1979 Oct;73(4):395–8

Tolerance and efficacy of netilmicin in pediatric patients with gram-negative pneumonia. Brook I. **Chemotherapy** 1980; 26(6):452–60

Treatment of severe lower respiratory tract infections with ceftriaxone (Ro 13–9904). A pilot study. Keller R, et al. **Chemotherapy** 1981;27 Suppl 1:93–9

Predicting fever response of children with pneumonia treated with antibiotics. McCarthy PL, et al. **Clin Pediatr (Phila)** 1980 Nov;19(11):753–60

Parenteral amoxycillin in the treatment of acute pneumonia [letter] Alestig K, et al. **J Antimicrob Chemother** 1981 Feb; 7(2):210–2

Clindamycin and other agents in the treatment of lung and pelvic infections. Louria DB. **J Antimicrob Chemother** 1981 Jun;7 Suppl A:37–42 (27 ref.)

Ticarcillin therapy of risk patients with infections due to Pseudomonas aeruginosa. Welter J, et al. **J Int Med Res** 1981;9(1):44–51

Cefamandole treatment of pulmonary infection caused by gram-negative rods. Mandell GL. **Scand J Infect Dis [Suppl]** 1980;suppl 25:107–11

Clinical experience with cefamandole in pneumonia. Mattson K, et al. **Scand J Infect Dis [Suppl]** 1980;suppl 25:103–6

Cefamandole failure in ampicillin-resistant Haemophilus influenzae b pneumonia. Markham RE, et al. **South Med J** 1981 Feb;74(2):147–50

Hospital acquired gram-negative pneumonias: response rate and dosage requirements with individualized tobramycin therapy. Cipolle RJ, et al. **Ther Drug Monit** 1980; 2(4):359–63

[Cefotaxime in bronchopulmonary infections (author's transl)] Kermarec J, et al. **Nouv Presse Med** 1981 Feb 26; 10(8):650–3 (Eng. Abstr.) **(Fre)**

[Therapy of pneumonia] Stille W. **ZFA (Stuttgart)** 1980 Apr 10;56(10):677–80 **(Ger)**

[A case of Klebsiella pneumonia with complication of CO2-narcosis successfully treated with amikacin (author's transl)] Nakagami K, et al. **Jpn J Antibiot** 1980 May; 33(5):641–4 **(Jpn)**

[Treatment of acute bacterial pneumopathies with cefaclor] Pasternak J, et al. **Rev Inst Med Trop Sao Paulo** 1980 Nov–Dec;22(6):303–5 (Eng. Abstr.) **(Por)**

[Treatment of lung abscesses and abscessing pneumonias by the use of interstitial electrophoresis] Sokolov SB, et al. **Grudn Khir** 1981 Jul–Aug;(4):61–5 (Eng. Abstr.) **(Rus)**

[Experience in using heparin in acute suppurative, destructive pneumonia in children] Akopian MG. **Pediatriia** 1980 Jul; (7):30–2 **(Rus)**

[Clinical effectiveness of gentamycin in severe, acute pneumonia in infants] Kaganov SIu, et al. **Pediatriia** 1980 Jul;(7):28–30 **(Rus)**

[Effective antibiotic therapy problems in chronic pneumonia in children] Klimanskaia EV, et al. **Pediatriia** 1981 Jan; (1):41–3 **(Rus)**

[State of the cellular membranes and the problems of using membrane-stabilizing drugs in pneumonia in children] Reznik BIa, et al. **Pediatriia** 1981 Jan;(1):38–40 (Eng. Abstr.) **(Rus)**

[Antibacterial treatment of acute pneumonias in children] Tatochenko VK. **Pediatriia** 1980 Jul;(7):22–4 (Eng. Abstr.) **(Rus)**

[Antibiotic treatment of complicated forms of acute suppurative destructive pneumonia in children] Sergeev VM, et al. **Sov Med** 1980;(12):22–6 (Eng. Abstr.) **(Rus)**

[Evaluation of the effectiveness of bricanyl] Ubaĭdullaev AM, et al. **Ter Arkh** 1980;52(11):130–2 **(Rus)**

[Lysozyme aerosols in the overall treatment of children with bronchopulmonary diseases] Matveeva LA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1980 Sep–Oct; (5):49–50 **(Rus)**

[Treatment of acute focal pneumonia without using antibiotics] Sheleg VA. **Vrach Delo** 1981 May;(5):10–2 **(Rus)**

[Effect of orkomin on the dynamics of the external respiration function in acute pneumonia] Shpak BIu, et al. **Vrach Delo** 1981 Aug;(8):41–4 **(Rus)**

ENZYMOLOGY

[Levels of lactate dehydrogenase and its isoenzymes in the serum of patients with inflammatory or neoplastic lung diseases] Bart BIa. **Sov Med** 1980;(7):16–9 (Eng. Abstr.) **(Rus)**

[General activity and isoenzyme spectrum of cytochrome oxidase and malate dehydrogenase in acute and chronic pneumonia with different degrees of inflammation] Garmash VIa, et al. **Ter Arkh** 1980;52(12):58–62 (Eng. Abstr.) **(Rus)**

[Enzymatic activity of leukocytes as an indication of the transition from acute pneumonia to chronic pneumonia] Andrushchenko EV, et al. **Vrach Delo** 1980 Nov;(11):9–10 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Association of human enteric pathogenicity and mouse lung toxicity of Escherichia coli. Czirók E. **Acta Microbiol Acad Sci Hung** 1980;27(1):71–7

Pathogenesis of legionnaires' disease pneumonia [letter] Fumarola D. **Am J Clin Pathol** 1981 Jan;75(1):127

Opportunistic pneumonia caused by a new acid-fast bacterium. Talamo TS, et al. **Am J Clin Pathol** 1980 Dec; 74(6):842–5

Role of respiratory assistance devices in endemic nosocomial pneumonia. Cross AS, et al. **Am J Med** 1981 Mar; 70(3):681–5

Risk factors for postoperative pneumonia. Garibaldi RA, et al. **Am J Med** 1981 Mar;70(3):677–80

Hospital-acquired gram-negative rod pneumonias: an overview. LaForce FM. **Am J Med** 1981 Mar;70(3):664–9

Pneumonitis in congenital Chagas' disease. A study of ten cases. Bittencourt AL, et al. **Am J Trop Med Hyg** 1981 Jan;30(1):38–42

Community-acquired bacteremic Pseudomonas pneumonia in a health adult. Hoogwerf BJ, et al. **Am Rev Respir Dis** 1981 Jan;123(1):132–4

Legionella longbeachae species nova, another etiologic agent of human pneumonia. McKinney RM, et al. **Ann Intern Med** 1981 Jun;94(6):739–43

Haemophilus parainfluenzae thoracic empyema. Cooney TG, et al. **Arch Intern Med** 1981 Jun;141(7):940–1

Meningococcal pneumonia. A source of nosocomial infection. Rose HD, et al. **Arch Intern Med** 1981 Apr; 141(5):575–7

Experimental Pseudomonas aeruginosa pneumonia. Meitert E, et al. **Arch Roum Pathol Exp Microbiol** 1979 Apr-Jun; 38(2):167-72

Respiratory illness, maternal smoking habit and lung function in children. Yarnell JW, et al. **Br J Dis Chest** 1979 Jul; 73(3):230-6

Radiation pneumonitis in a patient exposed to asbestos. Ashford RF, et al. **Br J Radiol** 1981 Jan;54(637):74-7

Subclinical pneumonia due to serotypes D-K of Chlamydia trachomatis. Case reports of two infants. Dunlop EM, et al. **Br J Vener Dis** 1980 Oct;56(5):337-40

Subclinical pneumonia in infants due to Chlamydia trachomatis [letter] Hammerschlag MR. **Br J Vener Dis** 1981 Jun;57(3):213-4

Pneumonia during the treatment of acute leukaemia [editorial] **Br Med J** 1980 Nov 8;281(6250):1235-6

Chest infection associated with the Waterhouse-Friderichsen syndrome. Slater DN, et al. **Br Med J [Clin Res]** 1981 Aug 22;283(6290):543

Legionnaires' disease causing severe lung abscesses. Edwards D, et al. **Can Med Assoc J** 1980 Sep 20;123(6):524-7

Pneumonia caused by Neisseria meningitidis, serogroup 135 [letter] Richter J. **Can Med Assoc J** 1981 Jan 15;124(2):127

Combined Pneumocystis carinii and Nocardia asteroides pneumonitis in a patient with an ACTH-producing carcinoid. Natale RB, et al. **Cancer** 1981 Jun 15; 47(12):2933-5

Prolonged cavitating pneumonia in a patient with serologic evidence of Legionnaires' disease [letter] Gibney RT, et al. **Chest** 1980 Oct;78(4):671-2

Inflammation and asbestosis: characterization and maintenance of alveolitis following acute asbestos exposure. Schoenberger C, et al. **Chest** 1981 Jul;80(1 Suppl):70-1

Pneumonia in infancy [letter] Bell TA, et al. **Clin Pediatr (Phila)** 1981 Jan;20(1):68-9

The gram-negative bacillary pneumonias. Lerner AM. **DM** 1980 Nov;27(2):1-56 (78 ref.)

Radiation pneumonitis following large single dose irradiation: a re-evaluation based on absolute dose to lung. Van Dyk J, et al. **Int J Radiat Oncol Biol Phys** 1981 Apr;7(4):461-7

Fluorescent-antibody detection of Legionella dumoffii in a fatal case of pneumonia. Harris PP, et al. **J Clin Microbiol** 1981 Apr;13(4):778-80

Pneumonia due to Staphylococcus aureus during mechanical ventilation. Espersen F, et al. **J Infect Dis** 1981 Jul; 144(1):19-23

Human infection by a bovine strain of parainfluenza virus type 3. Ben-Ishai Z, et al. **J Med Virol** 1980;6(2):165-8

The frequency of Legionella infection prospectively determined in children hospitalized with pneumonia. Orenstein WA, et al. **J Pediatr** 1981 Sep;99(3):403-6

Continuous upper esophageal pH monitoring in infants and children with gastroesophageal reflux, pneumonia, and apneic spells. Ramenofsky ML, et al. **J Pediatr Surg** 1981 Jun;16(3):374-8

Bronchial adenoma: a cause of recurrent and persistent pneumonia. Bradham RR. **J SC Med Assoc** 1981 Mar; 77(3):107-11

Opportunistic lung infections in renal transplant patients: a comparison of Pittsburgh pneumonia agent and legionnaires' disease. Taylor RJ, et al. **J Urol** 1981 Mar; 125(3):289-92

Chlamydial pneumonia: not for babies only? [editorial] Hammerschlag MR. **JAMA** 1981 Apr 3;245(13):1346

Chlamydia trachomatis infection in adults with community-acquired pneumonia. Komaroff AL, et al. **JAMA** 1981 Apr 3;245(13):1319-22

Petriellidium boydii (Allescheria boydii). Necrotizing pneumonia in a normal host. Saadah HA, et al. **JAMA** 1981 Feb 13;245(6):605-6

Pneumonia, stroke, and laterality [letter] Mulley GP. **Lancet** 1981 May 9;1(8228):1051

Primary gram negative pneumonia in adults in Papua New Guinea. Lee L, et al. **Papua New Guinea Med J** 1980 Dec; 23(4):174-8

Repair in mouse lung after split doses of X rays. Travis EL, et al. **Radiat Res** 1981 Jul;87(1):166-74

Radiation pneumonitis and fibrosis in mouse lung assayed by respiratory frequency and histology. Travis EL, et al. **Radiat Res** 1980 Oct;84(1):133-43

Serratia pneumonia. Balikian JP, et al. **Radiology** 1980 Nov; 137(2):309-11

Group C streptococcal pneumonia: report of a fatal case and review of the literature. Stamm AM, et al. **Rev Infect Dis** 1980 Nov-Dec;2(6):889-98 (80 ref.)

Radiation pneumonitis following electron beam radiotherapy. Wade JS, et al. **Rev Interam Radiol** 1980 Oct;5(4):117-20

Pneumonia due to a resistant acinetobacter organism. A case report from the respiratory intensive care unit. Cohen C, et al. **S Afr Med J** 1981 Mar 14;59(11):387-9

Pneumonia due to Legionella pneumophila: the first imported case in Finland. Pönkä A, et al. **Scand J Infect Dis** 1980; 12(4):313-4 (7 ref.)

Recurrent pneumonia in Klippel-Feil syndrome. Burgess GH, et al. **Tex Med** 1981 Mar;77(3):56-7

Necrotising pneumonia and empyema caused by Clostridium bifermentnas. Misra DP, et al. **Thorax** 1980 Apr;35(4):310-1

Primary isolation of a new strain of the TATLOCK/Pittsburgh pneumonia agent (Legionella micdadei). Donegan EA, et al. **West J Med** 1981 May; 134(5):384-9

[Severe lung complications in 2 patients with measles] Pedersen IL, et al. **Ugeskr Laeger** 1980 Oct;142(44):2905-7 (Eng. Abstr.) **(Dan)**

[Thoracic actinomycosis. Case report in 8 years old child (author's transl)] Hentati M, et al. **Ann Pediatr (Paris)** 1979 Oct;26(8):579-82 (Eng. Abstr.) **(Fre)**

[Toxoplasmic pneumonia with generalization (author's transl)] Le Tan Vinh, et al. **Ann Pediatr (Paris)** 1979 Oct; 26(8):538-44 (Eng. Abstr.) **(Fre)**

[Chlamydia pneumonia] Teyssier G, et al. **Pediatrie** 1980 Mar; 35(2):161-4 (Eng. Abstr.) **(Fre)**

[Pleuro-pulmonary infections with anaerobic germs (author's transl)] Gevaudan MJ. **Poumon Coeur** 1980 May-Jun; 36(3):191-5 (Eng. Abstr.) **(Fre)**

[Results of a protocol for etiologic diagnosis of pneumopathies on immunosuppressed children (author's transl)] Brauner-Karray R, et al. **Sem Hop Paris** 1980 Sept 8-15;56(29-32):1276-80 (Eng. Abstr.) **(Fre)**

[Chlamydia trachomatis as pathogen in pneumonia in a newborn infant (author's transl)] Roos R, et al. **Infection** 1980;8(3):123-5 (Eng. Abstr.) **(Ger)**

[Primary pulmonary carcinoma with secondary pneumonia (author's transl)] Rybakova NI, et al. **Radiol Diagn (Berl)** 1980;21(6):772-7 (Eng. Abstr.) **(Ger)**

[The effect of intubation, tracheotomy and central venous catheter on pneumonia and sepsis in burn patients] Papp C, et al. **Z Plast Chir** 1981 Jun;5(2):123-9 (Eng. Abstr.) **(Ger)**

[Fatal course of a fungal pneumonia in glucocorticoid-treated recurrent febrile nodular panniculitis; Pfeifer-Weber-Christian syndrome] Lehnert M, et al. **Z Rheumatol** 1980 Jan-Feb;39(1-2):46-53 (Eng. Abstr.) **(Ger)**

[Pneumonia in infants due to Chlamydia trachomatis] Katz Y, et al. **Harefuah** 1980 Oct 15;99(8):204-5 (Eng. Abstr.) **(Heb)**

[Radiation pneumonitis in the radiation therapy of bronchogenic carcinoma (author's transl)] Ikezoe J, et al. **Rinsho Hoshasen** 1980 Nov;25(12):1255-60 (Eng. Abstr.) **(Jpn)**

[Case of pneumonia caused by Listeria monocytogenes] Krawczyk K, et al. **Wiad Lek** 1981;34(7):585-9 (Eng. Abstr.) **(Pol)**

[Pathogenesis and prevention of postoperative pneumonia in the remaining lung] Savonicheva IP, et al. **Grudn Khir** 1981 Jul-Aug;(4):71-5 (Eng. Abstr.) **(Rus)**

[Clinical etiological characteristics and the treatment of acute pneumonia] Chaitsev VG, et al. **Klin Med (Mosk)** 1980 Dec;58(12):36-9 (Eng. Abstr.) **(Rus)**

[Role of the pulmonary circulation in the system of lung protective mechanisms and in the pathogenesis of pneumonias] Russu VG. **Pediatriia** 1981 Jan;(1):14-6 (21 ref.) (Eng. Abstr.) **(Rus)**

[Current theories on the etiology of inflammatory lung diseases] Vishniakova LA. **Sov Med** 1980;(6):58-60 (40 ref.) **(Rus)**

[Determination of etiology of the infectious process in nonspecific lung disease] Vishniakova LA. **Ter Arkh** 1980; 52(12):62-4 (Eng. Abstr.) **(Rus)**

[Pathogenetic factors facilitating the development of pneumonia in acute leukemia patients] Gribovod AF, et al. **Vrach Delo** 1981 May;(5):14-7 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

[Genetic markers and diseases: the genetic, anthropometric and clinical characteristics of children with acute pneumonia] Altukhov IuP, et al. **Genetika (Moskva)** 1981; 17(5):920-31 (Eng. Abstr.) **(Rus)**

[Genetic dimorphism of the earwax in healthy children and in those with pneumonia] Botvin'ev OK, et al. **Pediatriia** 1980;(9):38-40 **(Rus)**

HISTORY

Florida and the Spanish flu. Straight WM. **J Fla Med Assoc** 1981 Aug;68(8):644-54

The 1888 pneumonia in Middlesbrough. Stout G. **J R Soc Med** 1980 Sep;73(9):664-8

IMMUNOLOGY

Systemic and local lymphocyte responses in experimental hypersensitivity pneumonitis. Ratajczak HV, et al. **Am Rev Respir Dis** 1980 Nov;122(5):761-8

Immunocompetence of children with frequent respiratory infections. Beard LJ, et al. **Arch Dis Child** 1981 Feb; 56(2):101-5

Lung cell reactions and early inflammation: experimental and epidemiological aspects. Rylander R. **Eur J Respir Dis [Suppl]** 1980;61 Suppl 107:73-81

Experimental anti-alveolar basement membrane antibody-mediated pneumonitis. I. The role of increased permeability of the alveolar capillary wall induced by oxygen. Jennings L, et al. **J Immunol** 1981 Jul;127(1):129-34

Pneumonia due to Chlamydia trachomatis in the immunocompromised (nude) mouse. Williams DM, et al. **J Infect Dis** 1981 Feb;143(2):238-41

[A case of severe and persistent pneumonia with extraordinarily enhanced immunity and complement system, accompanied with decreased neutrophilic function (author's transl)] Tsutsui D, et al. **Nippon Naika Gakkai Zasshi** 1980 Jul 10;69(7):855-60 **(Jpn)**

[Complement changes in pneumonia and bronchospastic reactions in infants] Gerkowicz T, et al. **Pediatr Pol** 1980; 55(11):1193-7 (Eng. Abstr.) **(Pol)**

[Determination of the circulating immune complexes precipitated by polyethylene glycol in inflammatory lung diseases] Movchan NS. **Probl Tuberk** 1981 May;(5):35-7 (Eng. Abstr.) **(Rus)**

[Immunity indices during the use of prodigiozan in treating acute pneumonias] Grigor'ev PIa, et al. **Sov Med** 1980; (11):111-3 **(Rus)**

[Immunological criteria of the protracted course of acute pneumonias] Tkacheva VN, et al. **Sov Med** 1981;(3):10-4 (Eng. Abstr.) **(Rus)**

[Indications for levamisole therapy of infectious inflammatory lung diseases] Komarov FI, et al. **Ter Arkh** 1981;53(3):65-70 (Eng. Abstr.) **(Rus)**

[Complex immunologic examination in bronchial asthma and preasthma] Kogosova LS, et al. **Vrach Delo** 1981;(4):26-7 (Eng. Abstr.) **(Rus)**

[Immunological control of the use of prodigiozan in treating acute pneumonias] Mal'tsev VI. **Vrach Delo** 1980 Oct; (10):91-2 **(Rus)**

[Dynamics of indices of humoral non-specific immunity and cellular hypersensitivity in pneumonia] Volosianko BM, et al. **Vrach Delo** 1981 Aug;(8):44-7 **(Rus)**

[Relationship between the nature of the process and duration of treatment and the response of immunocompetent cells in patients with chronic pneumonia] Ponomareva AG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Aug;(8):111-2 **(Rus)**

METABOLISM

Antibiotic concentrations in human parapneumonic effusions. Taryle DA, et al. **J Antimicrob Chemother** 1981 Feb; 7(2):171-7

Measurement of lactic acid in pleural fluid. Brook I. **Respiration** 1980;40(6):344-8

[Function of alveolar macrophages in inflamed lungs and evidence for the alveolar macrophage activating factors in lung lavage fluids (author's transl)] Ando M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Jun; 18(6):387-93 (Eng. Abstr.) **(Jpn)**

[Lactic acid level and various indicators of acid-base equilibrium in children with pneumonia] Lozowy K. **Pediatr Pol** 1980 Apr;55(4):433-9 (Eng. Abstr.) **(Pol)**

[Gentamicin concentration in the blood and lung tissue of children with bronchopulmonary pathology] Sakharova AE, et al. **Antibiotiki** 1981 May;26(5):388-91 (Eng. Abstr.) **(Rus)**

[State of zinc metabolism in infants with the manifestations of rickets in acute pneumonias] Galiuk SV, et al. **Pediatriia** 1980;(9):54-5 **(Rus)**

[Lipid metabolism in diseases of the internal organs] Dontsova ND, et al. **Vrach Delo** 1981;(4):55-8 (Eng. Abstr.) **(Rus)**

[Vitamin content of the organs and tissues of persons dying from tuberculosis and chronic pneumonia] Shimko EP, et al. **Vrach Delo** 1981;(4):29-31 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

The ultrastructural morphologic features of Pittsburgh pneumonia agent. Gress FM, et al. **Am J Pathol** 1980 Oct; 101(1):63-78

Branhamella catarrhalis pneumonia: report of two cases and review of the literature. Srinivasan G, et al. **Am Rev Respir Dis** 1981 May;123(5):553-5

Legionella micdadei (Pittsburgh pneumonia agent) infection in nonimmunosuppressed patients with pneumonia. Aronson MD, et al. **Ann Intern Med** 1981 Apr;94(4 pt 1):485-6

Isolation of Pittsburgh pneumonia agent from nebulizers used in respiratory therapy. Gorman GW, et al. **Ann Intern Med** 1980 Oct;93(4):572-3

Opportunistic Trichosporon pneumonia. Association with invasive aspergillosis. Saul SH, et al. **Arch Pathol Lab Med** 1981 Sep;105(9):456-9

Diagnosis of Nocardia pneumonia by transtracheal aspiration. Shneerson JM, et al. **Br J Dis Chest** 1980 Jul;74(3):287-8

Transtracheal aspiration in the severely ill elderly patient with bacterial pneumonia. Berk SL, et al. **J Am Geriatr Soc** 1981 May;29(5):228-31

Acid-fast actinomyces in a child with pulmonary actinomycosis. Lowe RN, et al. **J Clin Microbiol** 1980 Jul; 12(1):124-6

Legionnaires' disease among pneumonias in Iowa (FY 1972-1978). Helms CM, et al. **J Iowa Med Soc** 1981 Aug; 71(8):335-9

Legionnaires' disease and other newly recognized Legionella-like causes of bacterial pneumonia. Myerowitz RL. **J Med** 1980;11(4):293-302

Washed sputum gram stain and culture in pneumonia: a practical tool for the clinician. Saadah HA, et al. **J Okla State Med Assoc** 1980 Oct;73(10):354-9

Viridans streptococcal pneumonia [letter] Rose HD. **JAMA** 1981 Jan 2;245(1):32

Fatal pneumonia. Emergence of an amikacin sulfate-resistant strain of Escherichia coli. Wormser GP, et al. **NY State J Med** 1981 Jun;81(7):1088-9

Group F Streptococcus associated with intrauterine pneumonia [letter] Wells DW, et al. **Pediatrics** 1980 Nov; 66(5):820-1

Mixed Streptococcus pneumoniae and gram-negative

bacillary pneumonia in the elderly. Berk SL, et al. **South Med J** 1981 Feb;74(2):144–6
[Pittsburgh pneumonia agent] Finni K. **Duodecim** 1980; 96(14):944–5 (Eng. Abstr.) **(Fin)**
[Acute pneumonia without pyosis among adults. Outcome of seventy-transtracheal aspirations (author's transl)] Pourriat JL, et al. **Anesth Analg (Paris)** 1981;38(5–6):253–7 (Eng. Abstr.) **(Fre)**
[Bacteriological examination of bronchitis and pneumonia. Part I: Is sputum an appropriate material to be examined?—a literary review (author's transl)] Schonard G, et al. **Immun Infekt** 1981 Apr;9(2):43–9 (Eng. Abstr.) **(Ger)**
[4 model of chronic chlamydial pneumonia and its morphological characteristics] Kuz'menko VP. **Mikrobiol Zh** 1981 Mar–Apr;43(2):193–8 (Eng. Abstr.) **(Rus)**
[Acute pnuemonias caused by conditionally pathogenic Gram-negative bacteria] Bolkov SG. **Sov Med** 1980; (10):65–9 (57 ref.) **(Rus)**
[Purulent meningitis and acute pneumopathy caused by Haemophilus influenzae. A preliminary report] Herrera P, et al. **Rev Chil Pediatr** 1980 Mar–Apr;51(2):104–6 (Eng. Abstr.) **(Spa)**

MORTALITY

An evaluation of influenza mortality surveillance, 1962–1979. I. Time series forecasts of expected pneumonia and influenza deaths. Choi K, et al. **Am J Epidemiol** 1981 Mar; 113(3):215–26
An evaluation of influenza mortality surveillance, 1962–1979. II. Percentage of pneumonia and influenza deaths as an indicator of influenza activity. Choi K, et al. **Am J Epidemiol** 1981 Mar;113(3):227–35
Underestimation of the role of pneumonia and influenza in causing excess mortality. Barker WH, et al. **Am J Public Health** 1981 Jun;71(6):643–5
Outcome of patients admitted to the hospital with suspected pneumonia. Sulkava R, et al. **Ann Clin Res** 1980 Apr; 12(2):59–63
Pneumonia and psychotropic drug use in elderly psychiatric patients. Craig TJ, et al. **J Am Geriatr Soc** 1980 Dec; 28(12):550–2
Childhood pneumonia at Goroka Hospital. Shann F, et al. **Papua New Guinea Med J** 1979 Dec;22(4):72–5

OCCURRENCE

Pneumonia: an eleven-year study in a pediatric practice. Murphy TF, et al. **Am J Epidemiol** 1981 Jan;113(1):12–21
Pneumonia during treatment of acute leukaemia [letter] **Br Med J** 1980 Dec 6;281(6254):1566–7
Prevalence of Pneumocystis carinii pneumonitis in severe combined immunodeficiency. Leggiadro RJ, et al. **J Pediatr** 1981 Jul;99(1):96–8
Atypical pneumonia--Spain. **MMWR** 1981 May 29; 30(20):237–8
[Pneumonia in adults] Goldman S. **ZFA (Stuttgart)** 1980 Apr 10;56(10):667–2 **(Ger)**
[Formation of groups at risk of a severe course of pneumonia among infants in the 1st year of life] Plotnikova GE, et al. **Pediatriia** 1981 Jan;(1):62–3 **(Rus)**

PARASITOLOGY

Experimental pneumonitis induced by Naegleria fowleri in mice. Willaert E, et al. **Trans R Soc Trop Med Hyg** 1980; 74(6):779–83

PATHOLOGY

Reaction of mouse lung tissue on the experimental airborne Klebsiella pneumoniae infection. Mišoň P, et al. **Czech Med** 1980;3(2):176–82
Pulmonary blue bodies. Koss MN, et al. **Hum Pathol** 1981 Mar;12(3):258–66
A histological study of the carrageenan-induced granuloma in the rat lung. Bowers RR, et al. **J Pathol** 1980 Nov; 132(3):243–53
[Neonatal pulmonary infection due to Chlamydia trachomatis (author's transl)] Vasmant D, et al. **Arch Fr Pediatr** 1980 Mar;37(3):193–5 (Eng. Abstr.) **(Fre)**
[Undercurrent of immunologic diseases. 3. Glomerulonephritis and alveolar pneumonitis—understanding of Goodpasture's syndrome] Fujimoto T. **Nippon Rinsho** 1981 Mar;39(3):662–7 **(Jpn)**
[Pathomorphology of brain microcirculatory disorders in asphyxia and pneumonias in newborn and young infants] Brumshtein MS, et al. **Arkh Patol** 1980;42(9):95–6 **(Rus)**
[Cyto-histochemical study of morphogenesis of experimental nonspecific pneumonia] Iashchenko LV. **Arkh Patol** 1980; 42(5):19–26 (Eng. Abstr.) **(Rus)**
[Rare case of a dissecting aortic aneurysm in combination with acute pneumonia] Dumka RN, et al. **Vrach Delo** 1980 Jul;(7):42–3 **(Rus)**
[Changes in the nervous system in acute pneumonia (clinico-pathomorphologic syndrome)] Tlapshokov MKh, et al. **Zh Nevropatol Psikhiatr** 1980;80(7):1040–5 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Hypersensitivity pneumonia. Bernardo J, et al. **DM** 1981 May;27(8):1–64
Time course of lung function changes in atypical pneumonia. Benusiglio LN, et al. **Thorax** 1980 Aug;35(8):586–92
[Is it necessary to transfuse granulocytes during pneumonia to patients with acute leukemia in aplasia? (letter) (author's transl)] Dhainaut JF, et al. **Nouv Presse Med** 1980 Dec 6;9(46):3550 (Eng. Abstr.) **(Fre)**
[ECG characteristics of acute pneumonia] Khadartsev AA, et al. **Klin Med (Mosk)** 1980 Dec;58(12):42–3 **(Rus)**
[Central hemodynamics in chronic pneumonia in combination with arterial hypertension] Koshlia VI. **Klin Med (Mosk)** 1980 Dec;58(12):83–5 **(Rus)**
[Functional state of the bone marrow reserve in young children with pneumonia] Nikulina PD, et al. **Lab Delo** 1981;(7):401–4 (Eng. Abstr.) **(Rus)**
[Evaluation of the functional state of the cardiorespiratory system in children with chronic pneumonia using a measured physical load] Liubchenko LN, et al. **Pediatriia** 1980 Jul;(7):18–22 (Eng. Abstr.) **(Rus)**
[Blood coagulation state and the dynamic properties of the thrombocytes in acute bronchopulmonary diseases in young infants] Opochinskiĭ FS. **Pediatriia** 1980 Aug;(8):36–7 (Eng. Abstr.) **(Rus)**
[Rheography in assessing blood flow and pulmonary ventilation in severe forms of pneumonias in young children] Paramonova OV. **Pediatriia** 1980 Jul;(7):15–8 (Eng. Abstr.) **(Rus)**
[Functional study of the external respiration in healthy young infants and those with pneumonia] Strongina EI, et al. **Pediatriia** 1980 Aug;(8):37–9 (Eng. Abstr.) **(Rus)**
[Pulmonary blood flow in acute pneumonia] Karabinenko AA, et al. **Sov Med** 1981;(1):31–5 (Eng. Abstr.) **(Rus)**
[Characteristics of the hemostatic system in acute pneumonias at an early age] Shurygin DIa, et al. **Sov Med** 1980;(8):20–2 (Eng. Abstr.) **(Rus)**
[Pulmonary shunt in acute pneumonia and its management] Dukov LG. **Ter Arkh** 1981;53(2):124–31 (74 ref.) **(Rus)**
[Functional characteristics of the heart in patients with chronic pneumonia living in the northeastern part of the USSR] Matveev LN, et al. **Ter Arkh** 1981;53(3):60–5 (Eng. Abstr.) **(Rus)**
[Initial experience in using variation pulsometry in chronic nonspecific lung diseases] Molotkov VN, et al. **Ter Arkh** 1980;52(10):98–101 (Eng. Abstr.) **(Rus)**
[Myocardial contractile function of the left and right ventricles in acute pneumonia] Mednikov BL, et al. **Voen Med Zh** 1981 Feb;(2):57–8 **(Rus)**
[Cardiovascular system in pneumonias in children (a review of the literature)] Lialikova VB, et al. **Vopr Okhr Materin Det** 1980 Aug;25(8):37–41 (52 ref.) **(Rus)**
[Functional state of the intestines in nursing infants with pneumonia] Marushkov VI. **Vopr Okhr Materin Det** 1980 Aug;25(8):31–3 (Eng. Abstr.) **(Rus)**
[Hemodynamics of the pulmonary circulation in chronic nonspecific lung diseases] Afanas'ev AV, et al. **Vrach Delo** 1980 Nov;(11):10–2 (Eng. Abstr.) **(Rus)**
[Characteristics of the microcirculation in acute pneumonia] Chernin VV, et al. **Vrach Delo** 1981 Aug;(8):47–9 **(Rus)**
[Regulating effect of hypocapnia on the ventilation–perfusion ratio in acute pneumonia] Dukov LG. **Vrach Delo** 1981 Feb;(2):68–71 (Eng. Abstr.) **(Rus)**
[Bronchial patency changes in chronic pneumonia] Rubal IN. **Vrach Delo** 1981 May;(5):12–4 **(Rus)**

PREVENTION & CONTROL

Department of Anesthesia Stanford University School of Medicine, California. Feeley TW, et al. **Anesthesiology** 1981 May;54(5):369–72
Failure of bacterial filters to reduce the incidence of pneumonia after inhalation anesthesia. Garibaldi RA, et al. **Anesthesiology** 1981 May;54(5):364–8
Bacterial air filters [editorial] Mazze RI. **Anesthesiology** 1981 May;54(5):359–60
Pulmonary disorders and physiotherapy in patients who undergo cholecystectomy. Warren CP, et al. **Can J Surg** 1980 Jul;23(4):384–6
Mortality among elderly psychiatric patients: basis for preventive intervention. Craig TJ, et al. **J Am Geriatr Soc** 1981 Apr;29(4):181–5
Mechanism for pulmonary protection by lipopolysaccharide pseudomonas vaccine. Pennington JE, et al. **J Infect Dis** 1980 Aug;142(2):191–8
Influenza vaccination of elderly persons. Reduction in pneumonia and influenza hospitalizations and deaths. Barker WH, et al. **JAMA** 1980 Dec 5;244(22):2547–9
[Aspects of the prevention and treatment of postoperative pneumonias in suppurative lung diseases] Chernobrovyĭ NP, et al. **Klin Khir** 1980 Oct;(10):28–31 (Eng. Abstr.) **(Rus)**
[gamma globulin prevention of inflammatory diseases complicating myocardial infarct] Katsman RF, et al. **Sov Med** 1981;(1):18–21 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Pattern recognition in radiographs of excised air-inflated human lungs. II. Acute inflammation in non-emphysematous lungs. Pääkkö P, et al. **Eur J Respir Dis** 1981 Feb;62(1):33–45
Delayed roentgenographic signs associated with acute pneumonia in children. Stein MT. **J Fam Pract** 1981 Apr; 12(4):639–44
'Semi-invasive' pulmonary aspergillosis: a new look at the spectrum of aspergillus infections of the lung. Gefter WB, et al. **Radiology** 1981 Aug;140(2):313–21
Aspergillosis and mucormycosis: two types of opportunistic fungal pneumonia. Libshitz HI, et al. **Radiology** 1981 Aug; 140(2):301–6
X-ray case of the month. Fifty year old man with pain localized to the right posterior chest wall, aggravated by breathing. No trauma. Read RL. **SD J Med** 1980 Dec; 33(12):7–10
[Specific etiological diagnosis in infectious pulmonitis: microbiological limits and clinical radiologic coordination] Corda M. **Radiol Med (Torino)** 1980 Mar;66(3):142–5 **(Ita)**
[Clinical and x-ray characteristics of acute suppurative, destructive pneumonias in children today] Lukina NL. **Vopr Okhr Materin Det** 1980 Sep;25(9):49–53 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

[Perfusion scanning of the lungs in acute pneumonia] Vorob'ev LP, et al. **Ter Arkh** 1981;53(4):54–6 (Eng. Abstr.) **(Rus)**

REHABILITATION

[Ambulatory care of patients with a history of acute pneumonia] Mal'tsev VI, et al. **Vrach Delo** 1981 Jan; (1):39–41 (Eng. Abstr.) **(Rus)**

SURGERY

[Surgical treatment of bronchiectasis and chronic pneumonia in adults] Biriukov IuV. **Grudn Khir** 1981 Jul–Aug;(4):43–7 (Eng. Abstr.) **(Rus)**

THERAPY

Bacteriology and treatment of gram-negative pneumonia in long-term hospitalized children. Brook I. **Chest** 1981 Apr; 79(4):432–7
Nosocomial pneumonia. Preheim LC, et al. **Compr Ther** 1981 Jun;7(6):20–7
Flay it again: analysis of a combined patient care audit of bacterial pneumonia. Buckingham WB, et al. **QRB** 1978; Special No:33–44
Management of atelectasis and pneumonia. Lewis FR. **Surg Clin North Am** 1980 Dec;60(6):1391–401
Pepsin-treated human gamma globulin in bacterial infections. A randomized study in patients with septicaemia and pneumonia. Lindquist L, et al. **Vox Sang** 1981 May; 40(5):329–37
[Treatment of severe acute pneumonia] Shimanko II, et al. **Klin Med (Mosk)** 1981;59(4):88–90 **(Rus)**
[Intensive therapy and resuscitation in pneumonia in young children] Shmonin LF, et al. **Pediatriia** 1980 Jul;(7):24–6 **(Rus)**
[Treatment of bacterial pneumonia] Andriukin AA, et al. **Ter Arkh** 1981;53(3):79–81 (Eng. Abstr.) **(Rus)**
[Treatment of acute pneumonia] Ermakov EV, et al. **Ter Arkh** 1981;53(3):74–8 **(Rus)**
[Hyperbaric oxygenation in inflammatory lung diseases] Ermakov EV, et al. **Voen Med Zh** 1980 Dec;(12):32–5 **(Rus)**
[Intensive care of acute destructive pneumonia] Viazitskiĭ PO, et al. **Voen Med Zh** 1981 Apr;(4):36–9 **(Rus)**
[Treatment effectiveness at a sanatorium-preventorium in nonspecific bronchopulmonary diseases] Akhmedov AS, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1980 Sep–Oct; (5):48 **(Rus)**
[Electrotherapy of bronchitis and pneumonias] Bogoliubov VM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1980 Sep–Oct;(5):61–4 **(Rus)**
[Estimating the seasonal climatic factors of the Far East in the local sanatorium treatment of children with chronic nonspecific pneumonia] Chulkova RF. **Vopr Kurortol Fizioter Lech Fiz Kult** 1980 Sep–Oct;(5):20–4 (Eng. Abstr.) **(Rus)**
[Effect of massage on the acid-base balance in chronic pneumonia] Kuznetsov OF, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1980 Sep–Oct; (5):15–20 (Eng. Abstr.) **(Rus)**
[Electrophoresis of adrenaline and of the ingredients of a mud solution using sinusoidal modulated currents in the overall sanatorium treatment of children with nonspecific bronchopulmonary diseases] Shchetinin IL, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1980 Sep–Oct;(5):32–5 **(Rus)**
[Use of helium–neon laser radiation in the treatment of acute pneumonia] Shtel'makh NI, et al. **Vrach Delo** 1981;(4):18–21 (Eng. Abstr.) **(Rus)**

TRANSMISSION

The role of airborne bacteria in the contamination of fine particle neubilizers and the development of nosocomial pneumonia. Kelsen SG, et al. **Ann NY Acad Sci** 1980; 353:218–29
Community-acquired Acinetobacter pneumonia [letter] Fernández Guerrero ML, et al. **Chest** 1980 Oct;78(4):670

VETERINARY

Evaluation of an induced Pasteurella multocida swine pneumonia model. Bentley OE, et al. **Am J Vet Res** 1980

Nov;41(11):1870-3
Cell-mediated and humoral immune response in swine after vaccination and natural infection with Mycoplasma hyopneumoniae. Kristensen B, et al. **Am J Vet Res** 1981 May;42(5):784-8
Lymphocyte immunostimulation in the diagnosis of Corynebacterium equi pneumonia of foals. Prescott JF, et al. **Am J Vet Res** 1980 Dec;41(12):2073-5
Comparison of a microtitration complement-fixation test and a tube latex agglutination test for diagnosis of Mycoplasma hyopneumoniae swine pneumonia. Slavik MF, et al. **Am J Vet Res** 1981 May;42(5):862-4
A complement-fixation test for enzootic pneumonia of pigs using a complement dilution method. Etheridge JR, et al. **Aust Vet J** 1980 Mar;56(3):101-5
The treatment of pneumonia in foals caused by Rhodococcus (Corynebacterium) equi. Gay CC, et al. **Aust Vet J** 1981 Mar;57(3):150-1
Cryptococcal pneumonia in a horse. Hilbert BJ, et al. **Aust Vet J** 1980 Aug;56(8):391-2
The isolation of group EF-4 bacteria from a case of granulomatous pneumonia in a tiger cub [letter] Lloyd J, et al. **Aust Vet J** 1980 Aug;56(8):399-400
Aspergillus pneumonia in an ostrich (Struthio camelus). Rousseaux CG, et al. **Aust Vet J** 1981 Mar;57(3):151-2
Hemophilus pneumonia in B.C. swine [letter] Greenway JA. **Can Vet J** 1981 Jan;22(1):20-1
An abattoir survey of the incidence of pneumonia in Saskatchewan swine and an investigation of the microbiology of affected lungs. Osborne AD, et al. **Can Vet J** 1981 Apr;22(4):82-5
An outbreak of haemophilus parahaemolyticus pneumonia in growing pigs. Davidson JN, et al. **Cornell Vet** 1980 Oct; 70(4):360-4
Nocardia brasiliensis in a horse with pneumonia and pleuritis. Deem DA, et al. **Cornell Vet** 1980 Oct;70(4):321-8
Fatal airsacculitis and pneumonia, with abortion, in an orangutan. Cambre RC, et al. **J Am Vet Med Assoc** 1980 Nov 1;177(9):822-4
The effect of vaccination of lambs with live parainfluenza virus type 3 on pneumonia produced by parainfluenza virus type 3 and Pasteurella haemolytica. Davies DH, et al. **NZ Vet J** 1980 Oct;28(10):201-2
A radiological investigation of enzootic pneumonia in the pig. Wood AK, et al. **Res Vet Sci** 1980 Jul;29(1):8-20
Cryptococcus as a cause of neonatal pneumonia and abortion in two horses. Ryan MJ, et al. **Vet Pathol** 1981 Mar; 18(2):270-2
Orally administered tylosin for the control of pneumonia in neonatal calves. Matsuoka T, et al. **Vet Rec** 1980 Aug 16; 107(7):149-51
Acute fatal pneumonia in calves due to respiratory syncytial virus. Pirie HM, et al. **Vet Rec** 1981 May 9;108(19):411-6
Pneumonia in a donkey [letter] Scott A. **Vet Rec** 1980 Nov 22;107(21):495-6
Comparison of the effects of a multi-component vaccine and a formalin-killed cell vaccine on protection against enzootic of hemorrhagic pneumonia due to Pseudomonas aeruginosa in mink. Abe C, et al. **Zentralbl Bakteriol [A]** 1981 Aug;249(3):413-7
Isolation of chlamydia from pneumonic lungs of buffaloes, cattle and sheep. Dhingra PN, et al. **Zentralbl Veterinaermed [B]** 1980;27(8):680-2
[Lesions in slaughtered animals. II. Inflammation of the tail and embolic pneumonia in pigs (author's transl)] van den Berg J, et al. **Tijdschrift Voor Diergeneeskd** 1981 Apr 15; 106(8):407-10 (Eng. Abstr.) **(Dut)**

PNEUMONIA, ASPIRATION

The patient who aspirates — diagnosis and management. Nahum AM, et al. **J Otolaryngol** 1981 Feb;10(1):10-6

BLOOD

The differential leukocyte count in full-term newborn infants with meconium aspiration and neonatal asphyxia. Merlob P, et al. **Acta Paediatr Scand** 1980 Nov;69(6):779-80

CHEMICALLY INDUCED

Aspiration pneumonia from povidone-iodine (Betadine): report of case. Howe DJ. **J Oral Surg** 1981 Mar;39(3):224-5
Pulmonary aspiration syndromes. Kaufman JL, et al. **JAOA** 1981 Apr;80(8):542-6
[Case of pneumonia complicated by empyema after accidental aspiration of gasoline] Chyczewska E. **Wiad Lek** 1980 Aug 1;33(15):1235-8 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

[Foreign body in the bronchus of a child with recurrent bronchitis and pneumonia] Modelska K. **Pneumonol Pol** 1981;49(4):301-3 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Physiological effects of corticosteroids in foodstuff aspiration. Wynne JW, et al. **Arch Surg** 1981 Jan;116(1):46-9
Aspiration pneumonia in institutionalized children. A retrospective comparison of treatment with penicillin G, clindamycin and carbenicillin. Brook I. **Clin Pediatr (Phila)** 1981 Feb;20(2):117-22
Influence of corticosteroid treatment on pulmonary function after recovery from aspiration of gastric contents. Lee M, et al. **Mt Sinai J Med (NY)** 1980 Jul-Aug;47(4):341-6
Evaluation of corticosteroid treatment in aspiration of gastric contents: A controlled clinical trial. Sukumaran M, et al. **Mt Sinai J Med (NY)** 1980 Jul-Aug;47(4):335-40
Aspiration pneumonia: treatment with osmotically active agents. Toung TJ, et al. **Surgery** 1981 May;89(5):588-93
Treatment of aspiration pneumonia with ibuprofen and prostacyclin. Utsunomiya T, et al. **Surgery** 1981 Aug; 90(2):170-6

ETIOLOGY

Inhalation of gastric contents [letter] Mankowitz E, et al. **Br J Anaesth** 1981 Jul;53(7):778-9
Right middle lobe aspiration pneumonia following gasoline siphonage [letter] Carlson DH. **Chest** 1981 Aug;80(2):246-7
Aspiration pneumonitis: etiology, therapy, and prevention. Hupp JR, et al. **J Oral Surg** 1981 Jun;39(6):430-5
Gastroesophageal reflux-associated recurrent pneumonia and chronic asthma in children. Berquist WE, et al. **Pediatrics** 1981 Jul;68(1):29-35
Aspiration pneumonia. Broe PJ, et al. **Surg Clin North Am** 1980 Dec;60(6):1551-64
[Aspiration of Fero-gradumet] Hirschler-Schulte CJ, et al. **Ned Tijdschr Geneeskd** 1981 Jan 3;125(1):15-7 (Eng. Abstr.) **(Dut)**
[Subacute bronchopneumopathy caused by aspiration of neutral fluid of digestive origin (letter)] Sebag A, et al. **Nouv Presse Med** 1981 Mar 14;70(12):986 **(Fre)**
[Amniotic fluid aspiration: apropos of 225 cases] Cottancin G, et al. **Pediatrie** 1980 Mar;35(2):105-17 (Eng. Abstr.) **(Fre)**
[Accidental aspiration of baby powder. Radiographic findings, preventive and therapeutic aspects] Gutermuth M, et al. **Intensivmed Prax** 1980;(2):83-92 **(Ger)**
[Bronchial foreign body as a cause of recurrent pneumonia] Bednarski Z, et al. **Pneumonol Pol** 1981;49(6):461-2 **(Pol)**
[Aspiration syndrome as a cause of perinatal morbidity and newborn mortality] Bulajić M, et al. **Srp Arh Celok Lek** 1979 Dec;107(12):1041-8 (Eng. Abstr.) **(Scc)**

PATHOLOGY

[Massive mercury aspiration into the bronchial tree in a 4-month-old infant] Prutovykh NN, et al. **Grudn Khir** 1981 Jul-Aug;(4):89-90 **(Rus)**

PREVENTION & CONTROL

Prevention of aspiration pneumonitis: preoperative preparation. Hardesty GA. **AANA J** 1981 Feb;49(1):52-4
Cimetidine in elective Caesarean section [letter] Crawford JS. **Anaesthesia** 1981 Jun;36(6):641-2
Cimetidine in elective Caesarean section. Effect on gastric acidity. McCaughey W, et al. **Anaesthesia** 1981 Feb; 36(2):167-72
Prophylaxis for Mendelson's syndrome before elective caesarean section. A comparison of cimetidine and magnesium trisilicate mixture regimens. Husemeyer RP, et al. **Br J Obstet Gynaecol** 1980 Jul;87(7):565-70
Cimetidine for the prophylaxis of potential gastric acid aspiration pneumonitis in trauma patients. Strain JD, et al. **J Trauma** 1981 Jan;21(1):49-51
[Value of cimetidine in the prevention of Mendelson's syndrome in abdominal surgery] Delalande JP, et al. **Ann Anesthesiol Fr** 1981;22(1):48-52 (Eng. Abstr.) **(Fre)**
[Cimetidine for preventing the adverse effects of aspiration during anaesthesia (author's transl)] Reinhold P, et al. **Anaesth Intensivther Notfallmed** 1981 Feb;16(1):39-42 (Eng. Abstr.) **(Ger)**
[Nasotracheal intubation in the non-fasting, conscious patient] Hartung HJ, et al. **Anaesthesist** 1980 Aug; 29(8):439-41 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Exogenous lipoid pneumonitis: pulmonary patterns. Lipinski JK, et al. **AJR** 1981 May;136(5):931-4

SURGERY

Separation of the larynx and trachea for intractable aspiration. Baron BC, et al. **Laryngoscope** 1980 Dec; 90(12):1927-32

THERAPY

Balloon directed pulmonary blood flow. Peterson BM. **Crit Care Med** 1981 Jul;9(7):540-3
Technical aspects in the management of the meconium aspiration syndrome with extracorporeal circulation. German JC, et al. **J Pediatr Surg** 1980 Aug;15(4):378-83
OB-GYN section: meconium aspiration. Shaffer K. **Nebr Med J** 1980 Sep;65(9):252
[Aspiration pneumonia: pathogenesis, prevention and management (author's transl)] Zheng SJ. **Chung Hua Wai Ko Tsa Chih** 1979;17(6):504-6 **(Chi)**
[Unsynchronized ventilation of each lung with a selective and expiratory pressure in treatment of unilateral swallowing pneumopathy (author's transl)] Lafaye C, et al. **Anesth Analg (Paris)** 1981;38(1-2):61-3 (Eng. Abstr.) **(Fre)**

PNEUMONIA, ATYPICAL INTERSTITIAL, OF CATTLE

DRUG THERAPY

Fog fever after mild weather [letter] Norton AM. **Vet Rec** 1981 Feb 21;108(8):173

PREVENTION & CONTROL

Prevention of tryptophan-induced acute bovine pulmonary oedema and emphysema (fog fever). Hammond AC, et al. **Vet Rec** 1980 Oct 4;107(14):322-5

PNEUMONIA, INTERSTITIAL see PULMONARY FIBROSIS

PNEUMONIA, INTERSTITIAL PLASMA CELL

COMPLICATIONS

Course of pulmonary dysfunction in children surviving Pneumocystis carinii pneumonitis. A prospective study. Sanyal SK, et al. **Am Rev Respir Dis** 1981 Aug;124(2):161-6
Pneumocystis carinii pneumonitis in patients with lung cancer. Fossieck BE Jr, et al. **Chest** 1980 Nov;78(5):721-2
Lymphoid interstitial pneumonia and dysproteinemia associated with lymphoma. Hopper WF, et al. **Clin Notes Respir Dis** 1980 Summer;19(1):14-6
Giant cell pneumonia associated with parainfluenza virus type 3 infection. Little BW, et al. **Hum Pathol** 1981 May; 12(5):478-81
[Etiological reconsideration of spontaneous pneumomediastinum in infants] Cantaragiu V, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1981 Jan-Mar; 30(1):81-5 (Eng. Abstr.) **(Rum)**

DIAGNOSIS

Breast cancer, cough and vesicular eruptions. Wigle RD, et al. **Can Med Assoc J** 1980 Dec 6;123(11):1115-9
[Acute pneumopathy with Pneumocystis carinii] Zelingher M, et al. **Rev Med Chir Soc Med Nat Iasi** 1980 Apr-Jun; 84(2):324 **(Rum)**
[Pneumocystis infection in chronic bronchopulmonary diseases in children] Klimanskaia EV, et al. **Vopr Okhr Materin Det** 1980 Aug;25(8):16-21 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Treatment and prophylaxis of Pneumocystis carinii pneumonia. Reusser P. **Acta Trop (Basel)** 1980 Sep; 37(3):287-92
Intravenous trimethoprim-sulfamethoxazole therapy for Pneumocystis carinii pneumonia. Sattler FR, et al. **Am J Med** 1981 Jun;70(6):1215-21
Pneumocystis carinii pneumonitis. Hughes WT. **Antibiot Chemother** 1981;30:257-71
Acute pancreatitis associated with pentamidine therapy. Murphey SA, et al. **Arch Intern Med** 1981 Jan;141(1):56-8
Pneumocystis carinii pneumonia. Winston DJ. **Compr Ther** 1981 Jun;7(6):41-8
Poor rectal absorption of trimethoprim/sulphamethoxazole in treating Pneumocystis carinii pneumonia. Dorr RT, et al. **Postgrad Med J** 1981 Feb;57(664):123-5

ETIOLOGY

Pneumocystis carinii pneumonia: a complication of Cushing's syndrome. Anthony LB, et al. **Ann Intern Med** 1981 Apr; 94(4 pt 1):488-9
Pneumocystis carinii pneumonia as presenting feature of lymphoma. Hill LS, et al. **Br Med J [Clin Res]** 1981 Aug 22;283(6290):527-8
Combined Pneumocystis carinii and Nocardia asteroides pneumonitis in a patient with an ACTH-producing carcinoid. Natale RB, et al. **Cancer** 1981 Jun 15; 47(12):2933-5
Simian virus 40-associated fatal interstitial pneumonia and renal tubular necrosis in a rhesus monkey. Sheffield WD, et al. **J Infect Dis** 1980 Oct;142(4):618-22
[Pneumocystis carinii Pneumonia in chronically immunocompromized patients. Apropos of 33 cases] Delcourt JN, et al. **Arch Fr Pediatr** 1979 Nov;36(9):873-84 (Eng. Abstr.) **(Fre)**
[Interstitial pneumopathy and Chlamydia trachomatis infection in an immunosuppressed child (letter)] Grimfeld A, et al. **Nouv Presse Med** 1981 May 16;10(22):1846-7 **(Fre)**
[A case of erythroleukemia with marked chromosomal abnormality complicated with Pneumocystis carinii pneumonitis (author's transl)] Hamashige N, et al. **Rinsho Ketsueki** 1980 Nov;21(11):1789-95 (Eng. Abstr.) **(Jpn)**
[A case of adult T-cell type lymphoma with generalized cytomegalovirus infection and pneumocystis carinii pneumonia (author's transl)] Inoue K, et al. **Rinsho Ketsueki** 1980 Sep;21(9):1388-94 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Legionnaires' disease bacterium: prevalence of antibody reacting with the organism in patients suspected of having infection with Pneumocystis carinii. Storch G, et al. **Am Rev Respir Dis** 1980 Mar;121(3):483–6

Humoral immunity in experimental Pneumocystis carinii infection. I. Serum and bronchial lavage fluid antibody responses in rats. Walzer PD, et al. **J Lab Clin Med** 1981 Jun;97(6):820–33

OCCURRENCE

Kaposi's sarcoma and Pneumocystis pneumonia among homosexual men--New York City and California. **MMWR** 1981 Jul 3;30(25):305–8

Pneumocystis pneumonia--Los Angeles. **MMWR** 1981 Jun 5;30(21):250–2

Pneumocystis pneumonia in hospitals: outbreaks or improved recognition? Cox F, et al. **South Med J** 1980 Dec; 73(12):1566–7

PATHOLOGY

Adult T-cell leukemia with generalized cytomegalic inclusion disease and pneumocystis carinii pneumonia. Ueda N, et al. **Acta Pathol Jpn** 1979 Mar;29(2):221–32

Pneumocystis infection masquerading as diffuse alveolar damage: a potential source of diagnostic error. Askin FB, et al. **Chest** 1981 Apr;79(4):420–2

Interaction of Pneumocystis carinii with host lungs: an ultrastructural study. Yoneda K, et al. **Infect Immun** 1980 Aug;29(2):692–703

Pulmonary infiltrates in a compromised host [clinical conference] **South Med J** 1981 Feb;74(2):208–14

RADIOGRAPHY

Airless lungs caused by disconnected respirator. Lederman HM, et al. **J Can Assoc Radiol** 1981 Mar;32(1):54–5

VETERINARY

Pneumocystosis: a chronic respiratory distress syndrome in the dog. Botha WS, et al. **J S Afr Vet Assoc** 1979 Sep; 50(3):173–9

Canine pneumocystis pneumonia. McCully RM, et al. **J S Afr Vet Assoc** 1979 Sep;50(3):207–9

PNEUMONIA, LIPID

RADIOGRAPHY

Exogenous lipoid pneumonia. Kennedy JD, et al. **AJR** 1981 Jun;136(6):1145–9

Diagnosis of lipoid pneumonia by computed tomography. Wheeler PS, et al. **JAMA** 1981 Jan 2;245(1):65–6

PNEUMONIA, LOBAR

BLOOD

[Various parameters of the system of hemostasis in pneumonia and acute respiratory tract infections] Przybyłowski J, et al. **Pol Tyg Lek** 1980 Jul 14;35(28):1049–52 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

[Emergency treatment of various severe complications of acute pneumonia] Silvestrov VP. **Ter Arkh** 1980; 52(10):81–5 **(Rus)**

DIAGNOSIS

Nosocomial pneumococcal pneumonia in the elderly. Berk SL, et al. **J Am Geriatr Soc** 1981 Jul;29(7):319–21

The diagnosis of pneumococcal chest infection by counter-current-immunoelectrophoresis. Sands RL, et al. **J Appl Bacteriol** 1980 Dec;49(3):471–8

Necrotizing or cavitating pneumonia due to Streptococcus Pneumoniae: report of four cases and review of the literature. Yangco BG, et al. **Medicine (Baltimore)** 1980 Nov;59(6):449–57

[Legionnaires' disease (letter)] Snyman M, et al. **S Afr Med J** 1980 Dec 6;58(23):913 **(Afr)**

[Croupous pneumonia] Artem'ev EN. **Sov Med** 1980;(7):51–5 **(Rus)**

[Use of the mathematical method of analysis for evaluation of the severity, effectiveness of treatment, prognosis and detection of complications of acute pneumonia] Marchuk GI, et al. **Ter Arkh** 1981;53(3):3–9 **(Rus)**

DRUG THERAPY

Cefotaxime in the treatment of pneumococcal pneumonia. Jenkinson SG, et al. **J Antimicrob Chemother** 1980 Sep;6 Suppl A:177–80

Cefadroxil in the treatment of lobar pneumonia. Bernhardt LL. **J Int Med Res** 1980;8(Suppl 1):98–100

Reduced urinary estriol levels with erythromycin therapy. Gallagher JC, et al. **Obstet Gynecol** 1980 Sep;56(3):381–2

Comparative studies of intermittent and continuous administration of aminoglycosides in the treatment of bronchopulmonary infections due to gram-negative bacteria. Klastersky J, et al. **Rev Infect Dis** 1981 Jan–Feb; 3(1):74–83 (20 ref.)

[Treatment of lobar pneumonia with a compound decoction for 'detoxication and relieving stasis': a preliminary report (author's transl)] Gao WW. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1979;2(1):28–9 **(Chi)**

[Reevaluation of the treatment of acute bacterial pneumonias (author's transl)] Coquin Y, et al. **Nouv Presse Med** 1979 Jan 6;8(1):23–6 (Eng. Abstr.) **(Fre)**

[About pneumonias today with special reference to the treatment of pneumococcal pneumonias (author's transl)] La Grasta M, et al. **Piucne Bolesti Tuberk** 1981 Oct–Dec; 32(4):171–5 (Eng. Abstr.) **(Scr)**

ETIOLOGY

Lobar pneumonia caused by Mycoplasma pneumoniae. Cockcroft DW, et al. **Can Med Assoc J** 1981 Jun 1; 124(11):1463–8

[Various problems of the etiology and clinical course of acute bacterial pneumonia] Fedotov PI, et al. **Ter Arkh** 1981; 53(3):9–13 (Eng. Abstr.) **(Rus)**

HISTORY

Classics of infectious diseases. The significance of pneumococcal types by Fred. Griffith, M. B. **Rev Infect Dis** 1981 Mar–Apr;3(2):372–95

IMMUNOLOGY

The role of opsonins in recovery from experimental pneumococcal pneumonia. Guckian JC, et al. **J Infect Dis** 1980 Aug;142(2):175–90

[Various indicators of natural humoral immunity in acute pneumonia] Veselov BV, et al. **Ter Arkh** 1981;53(3):70–3 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

False no-growth blood cultures in pneumococcal pneumonia. Adeniyi-Jones CC, et al. **J Clin Microbiol** 1980 Oct; 12(4):572–5

Mixed Streptococcus pneumoniae and gram-negative bacillary pneumonia in the elderly. Berk SL, et al. **South Med J** 1981 Feb;74(2):144–6

MORTALITY

[Pneumococcal pneumonia: epidemiology, therapy, immunoprophylaxis] Gartmann J. **Schweiz Med Wochenschr** 1980 Aug 30;110(35):1258–65 (Eng. Abstr.) **(Ger)**

OCCURRENCE

An outbreak of type 1 pneumococcal pneumonia in a men's shelter. DeMaria A Jr, et al. **JAMA** 1980 Sep 26; 244(13):1446–9

[Persistence of pneumococcal risk. Therapeutic and preventive measures] Fourrier A, et al. **Bull Acad Natl Med (Paris)** 1980 Oct;164(7):654–8 (Eng. Abstr.) **(Fre)**

PATHOLOGY

The pathology of the Legionella pneumonias. A review of 74 cases and the literature. Winn WC Jr, et al. **Hum Pathol** 1981 May;12(5):401–22

[Croup-like pneumonia with a kidney lesion] Senina VA, et al. **Klin Med (Mosk)** 1980 Dec;58(12):97–9 **(Rus)**

PHYSIOPATHOLOGY

The effect of unilateral PEEP on gas exchange and pulmonary perfusion in canine lobar pneumonia. Light RB, et al. **Anesthesiology** 1981 Sep;55(3):251–5

Pathophysiology of gas exchange and pulmonary perfusion in pneumococcal lobar pneumonia in dogs. Light RB, et al. **J Appl Physiol** 1981 Mar;50(3):524–30

Effect of pneumococcal lobar pneumonia on canine lung mechanics. Mink SN, et al. **J Appl Physiol** 1981 Feb; 50(2):283–91

Effect of PEEP on gas exchange and pulmonary perfusion in canine lobar pneumonia. Mink SN, et al. **J Appl Physiol** 1981 Mar;50(3):517–23

Pneumococcus-induced granulocytopenia and pulmonary leukostasis in rabbits. Goldblum SE, et al. **J Lab Clin Med** 1981 Feb;97(2):278–90

[Pneumonia and renal damage] Batko B, et al. **Wiad Lek** 1980 Nov 15;33(22):1793–7 (Eng. Abstr.) **(Pol)**

PREVENTION & CONTROL

Pneumococcal immunization in adult diabetics. Lederman MM, et al. **Diabetes** 1981 Feb;30(2):119–21

From the NIH: Pneumococcal vaccination for patients with Sjögren's syndrome. **JAMA** 1981 Jun 12;245(22):2288

Pneumococcal vaccine: to use or not [editorial] Fraser DW, et al. **JAMA** 1981 Feb 6;245(5):498–9

A cost-benefit analysis of immunization for pneumococcal pneumonia. Patrick KM, et al. **JAMA** 1981 Feb 6; 245(5):473–7

RADIOGRAPHY

Streptococcal pneumonia in neonatal respiratory distress [letter] Wyman ML, et al. **JAMA** 1980 Nov 7;244(18):2046

THERAPY

Pneumococcal pneumonia complicated by lung abscess. Sinclair V. **Physiotherapy** 1980 Jun;66(6):184–5

[Suppurative-destructive lobitis] Mustafin GD. **Klin Med (Mosk)** 1981 Jan;59(1):70–3 (Eng. Abstr.) **(Rus)**

PNEUMONIA, MYCOPLASMA

The implication of viruses in idiopathic sudden hearing loss: primary infection or reactivation of latent viruses? Veltri RW, et al. **Otolaryngol Head Neck Surg** 1981 Jan–Feb; 89(1):137–41

[Mycoplasma pneumoniae infections] Pönkä A. **Duodecim** 1980;96(16):1065–74 **(Fin)**

COMPLICATIONS

Neurological disease associated with Mycoplasma pneumoniae pneumonitis: demonstration of viable Mycoplasma pneumoniae in cerebrospinal fluid and blood by radioisotopic and immunofluorescent tissue culture techniques. Bayer AS, et al. **Ann Intern Med** 1981 Jan; 94(1):15–20

Mycoplasma pneumoniae endocarditis. Popat K, et al. **Br Heart J** 1980 Jul;44(1):111–2

Major and minor salivary gland swelling in Mycoplasma pneumoniae infection. Wray W, et al. **Br Med J** 1980 Jun 14;280(6229):1421

Mycoplasmal pneumonia and adult respiratory distress syndrome: a complication to be recognized. Dixon C. **J Natl Med Assoc** 1981 Jun;73(6):549–52

Central nervous system complications of Mycoplasma pneumoniae. Decaux G, et al. **J Neurol Neurosurg Psychiatry** 1980 Oct;43(10):883–7

Acute renal failure, hemolytic anemia, and Mycoplasma pneumoniae. Schulman P, et al. **JAMA** 1980 Oct 17; 244(16):1823–4

Central nervous system manifestations associated with serologically verified Mycoplasma pneumoniae infection. Pönkä A. **Scand J Infect Dis** 1980;12(3):175–84

Grand Rounds: Acute encephalitis with mycoplasma infection. Adler SP. **Va Med** 1981 Feb;108(2):115–8

[Adult respiratory distress syndrome. Two post-operative cases (author's transl)] Freysz M, et al. **Anesth Analg (Paris)** 1981;38(1–2):55–60 (Eng. Abstr.) **(Fre)**

[Stevens-Johnson syndrome and pulmonary infection by Mycoplasma pneumoniae (author's transl)] Larrègue M, et al. **Ann Pediatr (Paris)** 1981 Jun;28(6):413–9 **(Fre)**

[Mycoplasma pneumoniae pericarditis in an infant (letter)] Lavaud J, et al. **Nouv Presse Med** 1980 Oct 18;9(38):2842–3 **(Fre)**

[Pulmonary infection with Mycoplasma pneumoniae and coincidently isolation of Mycobacterium fortuitum from sputum (author's transl)] Hussels H, et al. **Prax Klin Pneumol** 1980 Apr;34(4):225–8 (Eng. Abstr.) **(Ger)**

[Mycoplasma pneumoniae infection of the pharynx (author's transl)] Sugita R, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1980 Apr;83(4):394–401 (Eng. Abstr.) **(Jpn)**

[Role of mycoplasma infection in the development of chronic nonspecific lung diseases in children] Ivanov IK, et al. **Pediatriia** 1980 Nov;(11):54 **(Rus)**

[Experimental mycoplasma-staphylococcal pneumonia] Kozliuk AS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Feb;(2):89–94 (Eng. Abstr.) **(Rus)**

[Mycoplasma pneumoniae as a cause of acute pancreatitis?] Zuffa M, et al. **Vnitr Lek** 1981 Jun;27(6):602–4 (Eng. Abstr.) **(Slo)**

DIAGNOSIS

Acute transverse myelitis due to Mycoplasma pneumoniae infection. Westenfelder GO, et al. **Arch Neurol** 1981 May; 38(5):317–8

Lobar pneumonia caused by Mycoplasma pneumoniae. Cockcroft DW, et al. **Can Med Assoc J** 1981 Jun 1; 124(11):1463–8

Serological study of acute respiratory tract infection in children with reference to Mycoplasma pneumoniae complement fixing and cold hemagglutinating antibodies. Angadi SA, et al. **Indian J Pathol Microbiol** 1980 Jan; 23(1):65–8

Serological diagnosis of Mycoplasma pneumoniae infection by enzyme immunoassay. Räisänen SM, et al. **J Clin Pathol** 1980 Sep;33(9):836–40

Mycoplasma pneumoniae infections-the first demonstration of an outbreak at a Kampuchean Holding Center in Thailand. Sukonthaman A, et al. **J Med Assoc Thai** 1981 Aug;64(8):392–400

Mycoplasma pneumonia in Thailand. Supcharoen S, et al. **J Med Assoc Thai** 1980 Dec;63(12):669–77

Medical Grand Rounds. Mycoplasma pneumonia. Kossmann CE. **J Tenn Med Assoc** 1981 Jan;74(1):39–42, 44

Severe mycoplasma pneumonia in previously healthy children. Hutchison AA, et al. **Med J Aust** 1981 Feb 7; 1(3):126–8

Measurement of IgM antibodies in the diagnosis of mycoplasma pneumonia. Roach EB, et al. **Pathology** 1980 Oct;12(4):519–24

Cerebral infarction associated with Mycoplasma pneumoniae. Parker P, et al. **Pediatrics** 1981 Mar;67(3):373–5

[Mycoplasma pneumoniae infections. Clinical manifestations of the disease during an epidemic in Frederiksborg county] Knudsen L., et al. **Ugeskr Laeger** 1981 Apr 20; 143(17):1083–7 (Eng. Abstr.) **(Dan)**

[Mycoplasma pneumoniae infection in children. Apropos of 28 cases] Albertini M, et al. **Pediatrie** 1980 Jul–Aug; 35(5):403–11 (Eng. Abstr.) **(Fre)**

[Mycoplasma pneumonia] Hany A. **Ergeb Inn Med Kinderheilkd** 1980;45:113–44 (211 ref.) **(Ger)**

[Respiratory pathology caused by Mycoplasma pneumoniae] Pescetti G, et al. **Minerva Med** 1980 Dec 8;71(49):3639–43 (Eng. Abstr.) **(Ita)**

[Pneumonia and other respiratory infections due to Mycoplasma pneumoniae] Voiculescu M, et al. **Rev Med Interna [Med Interna]** 1980 May–Jun;32(3):249–52 (Eng. Abstr.) **(Rum)**

DRUG THERAPY

Mycoplasma pneumoniae infection, antibiotics and exanthema. Macfarlane J. **Infection** 1980;8(3):119–20

Treatment of atypical pneumonia. Lengeling RW, et al. **J Iowa Med Soc** 1981 Jun;71(6):258–60

Mycoplasma pneumonia: failure of erythromycin therapy. Ford MJ, et al. **Scott Med J** 1980 Apr;25(2):126–8

ETIOLOGY

Mycoplasma infection in the immunosuppressed leukemic patient. Ganick DJ, et al. **Arch Pathol Lab Med** 1980 Oct; 104(10):535–6

The longitudinal approach to the pathogenesis of respiratory disease. Denny FW, et al. **Rev Infect Dis** 1979 Nov–Dec; 1(6):1007–1015

HISTORY

Atypical pneumonia and the Armed Forces Epidemiological Board. Denny FW. **J Infect Dis** 1981 Mar;143(3):305–16

IMMUNOLOGY

Immune response of the hamster to experimental Mycoplasma pneumoniae disease. Clyde WA Jr, et al. **Adv Exp Med Biol** 1981;134:233–9

Hemadsorption and virulence of Mycoplasma pneumoniae. Hansen EJ, et al. **Adv Exp Med Biol** 1981;134:241–51

Cold agglutinins accompanying Mycoplasma pneumoniae infection. Smith GN, et al. **Br Med J** 1980 Nov 22; 281(6252):1391–2

Class-specific antibody responses to Mycoplasma pulmonis in sera and lungs of infected and vaccinated mice. Taylor G, et al. **Infect Immun** 1980 Sep;29(3):1160–8

Role of humoral antibodies in resistance to Mycoplasma pneumoniae pneumonia in hamsters. Hayatsu E, et al. **Microbiol Immunol** 1980;24(7):585–93

Transitory depression of immune function following Mycoplasma pneumoniae infection in children. Sabato AR, et al. **Pediatr Res** 1981 May;15(5):813–6

[Determination of IgM antibodies by complement-fixation after serum fractionation by sucrose density gradient in children and adults with evidence of Mycoplasma pneumoniae infection (author's transl)] Colimon R, et al. **Pathol Biol (Paris)** 1980 Nov;28(9):567–74 (Eng. Abstr.) **(Fre)**

[State of cellular immunity and phagocytes in guinea pigs infected with Mycoplasma pneumoniae] Chebotkevich VN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jan;(1):84–9 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Epidemiology of Mycoplasma pneumoniae infections. I. Age and seasonal distribution of M. pneumoniae antibodies in the population of Bucharest. Crăcea E, et al. **Arch Roum Pathol Exp Microbiol** 1979 Apr–Jun; 038(2):173–80

Epidemiology of Mycoplasma pneumoniae infections. II. Mycoplasma pneumoniae infections in various communities from Bucharest. Crăcea E, et al. **Arch Roum Pathol Exp Microbiol** 1980 Apr–Jun; 39(2):133–40

An explosive outbreak of Mycoplasma pneumoniae infection in a summer camp. Broome CV, et al. **Pediatrics** 1980 Dec; 66(6):384–8

[Epidemiological and clinical aspects of primary atypical pneumonia] Pepe G, et al. **Arch Monaldi** 1979;34(5–6):251–8 **(Ita)**

PATHOLOGY

Fulminant Mycoplasma pneumoniae infection: report of a fatal case, and a review of the literature [letter] Dixon C. **Am Rev Respir Dis** 1981 Feb;123(2):241–2

Fulminant Mycoplasma pneumoniae infection. Report of a fatal case, and a review of the literature. Koletsky RJ, et al. **Am Rev Respir Dis** 1980 Sep;122(3):491–6

Ultrastructural observations on cellular and subcellular aspects of experimental Mycoplasma pneumoniae disease. Carson JL, et al. **Infect Immun** 1980 Sep;29(3):1117–24

[Electron microscopic study of the respiratory organs in experimental respiratory mycoplasmosis] Kozliuk AS. **Arkh Patol** 1980;42(9):34–40 (Eng. Abstr.) **(Rus)**

[Ultrastructural changes in the lungs in experimental M. pneumoniae infection] Bezuglova TV, et al. **Biull Eksp Biol Med** 1980 Aug;90(8):230–2 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

[Immunoprophylaxis of mycoplasmosis (a review of the literature)] Kolesnikov LV. **Voen Med Zh** 1981 Jan;(1):40–4 (23 ref.) **(Rus)**

PSYCHOLOGY

[Neurological and psychiatric manifestations in Mycoplasma pneumoniae infections in childhood (author's transl)] Berger E, et al. **Wien Klin Wochenschr** 1980 Dec 19; 92(24):854–7 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

[Lung cavity associated with Mycoplasma pneumoniae infection (author's transl)] Okayama K, et al. **Kansenshogaku Zasshi** 1980 Dec;54(12):836–40 (Eng. Abstr.) **(Jpn)**

[Pneumonia due to Mycoplasma pneumoniae. Clinicoradiological study of 28 cases (author's transl)] Picado C, et al. **Med Clin (Barc)** 1981 Apr 25;76(8):350–3 (Eng. Abstr.) **(Spa)**

THERAPY

Life-threatening Mycoplasma pneumoniae infection. McGonigle R, et al. **Postgrad Med J** 1980 Sep; 56(659):675–6

VETERINARY

Pulmonary pathophysiological changes in pigs with enzootic pneumonia. Marshall PW, et al. **Br Vet J** 1980 Jul–Aug; 136(4):388–92

Duration of Mycoplasma hyopneumoniae infection in gnotobiotic pigs. Underdahl NR, et al. **Can Vet J** 1980 Sep;21(9):258–61

A comparison of two antibiotics in treating Mycoplasma pneumonia in swine. Kunesh JP. **VM SAC** 1981 Jun; 76(6):871–2

[Pathogenicity of Mycoplasma to calves] Jurmanova K. **Arch Exp Veterinaermed** 1979;33(6):937–42 (Eng. Abstr.) **(Ger)**

PNEUMONIA, PNEUMOCOCCAL see **PNEUMONIA, LOBAR**

PNEUMONIA, PROGRESSIVE INTERSTITIAL, OF SHEEP

FAMILIAL & GENETIC

Gene expression in visna virus infection in sheep. Brahic M, et al. **Nature** 1981 Jul 16;292(5820):240–2

IMMUNOLOGY

Early immune responses in experimental maedi. Sihvonen L. **Res Vet Sci** 1981 Mar;30(2):217–22

MICROBIOLOGY

The demonstration of maedi/visna virus in sheep in Great Britain. Dawson M, et al. **Vet Rec** 1979 Sep 8;105(10):220–3

OCCURRENCE

Serologic prevalence of ovine progressive pneumonia in a western range flock of sheep. Huffman EM, et al. **J Am Vet Med Assoc** 1981 Apr 1;178(7):708–10

PATHOLOGY

Actin containing filaments in sheep choroid plexus cells infected in vitro by Visna virus: an immunofluorescent and ultrastructural study. Pautrat G, et al. **Cell Biol Int Rep** 1980 Sep;4(9):881–7

PREVENTION & CONTROL

[Maedi and maedi control (author's transl)] Houwers DJ. **Tijdschr Diergeneeskd** 1980 Aug 15;105(16):661–4 (Eng. Abstr.) **(Dut)**

TRANSMISSION

Studies on transmission of maedi virus to lambs. Sihvonen L. **Acta Vet Scand** 1980;21(4):689–98

PNEUMONIA, RICKETTSIAL

DIAGNOSIS

Deceived but described. Legionellosis masquerading as rickettsia pneumonia. Urso FP. **Am J Clin Pathol** 1980 Sep; 74(3):364–6

PNEUMONIA, STAPHYLOCOCCAL

BLOOD

[Evaluation of various neutrophil functions in infants with bacterial infections] Chabior M, et al. **Pediatr Pol** 1981 Mar; 56(3):239–46 (Eng. Abstr.) **(Pol)**

[Content of trypsin and its inhibitor in the blood of children with staphylococcal destruction of the lung] Poput'eva ZV, et al. **Vestn Khir** 1981 Mar;126(3):91–3 **(Rus)**

COMPLICATIONS

[Experimental mycoplasma-staphylococcal pneumonia] Kozliuk AS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Feb;(2):89–94 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

[Differential diagnosis of staphylococcal pneumonia and peripheral lung cancer in adults] Feofilov GL, et al. **Grudn Khir** 1980 Sep–Oct;(5):46–50 (Eng. Abstr.) **(Rus)**

[Current status of assessing acute, suppurative destructive pneumonias in children] Sergeev VM, et al. **Grudn Khir** 1981 May–Jun;(3):52–7 (Eng. Abstr.) **(Rus)**

[Diagnostic significance of the indices of the activity of the inflammatory process in acute staphylococcal and influenzal viral bronchopulmonary pathology] Filippskiĭ GK, et al. **Pediatriia** 1981 Jan;(1):20–3 (Eng. Abstr.) **(Rus)**

[Clinico-roentgenological manifestations of secondary staphylococcal infection in fibrous-cavernous pulmonary tuberculosis] Zinov'ev IP. **Probl Tuberk** 1980 Dec;(12):64–5 **(Rus)**

[Clinical aspects and treatment of acute complicated pneumonia] Ermakov EV, et al. **Sov Med** 1981;(2):9–13 (Eng. Abstr.) **(Rus)**

[Acute suppurative destructive lung diseases] Kliachkin LM, et al. **Sov Med** 1981;(3):17–20 (Eng. Abstr.) **(Rus)**

[Use of the mathematical method of analysis for evaluation of the severity, effectiveness of treatment, prognosis and detection of complications of acute pneumonia] Marchuk GI, et al. **Ter Arkh** 1981;53(3):3–9 **(Rus)**

DRUG THERAPY

[Clinical analysis of 84 cases of aureus staphylococcal pneumonia (author's transl)] Sun TN. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1980 Sep;3(3):167–8 **(Chi)**

[Study on 85 cases of aureus staphylococcal pneumonia (author's transl)] Zhang CD. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1980 Sep;3(3):169–71 **(Chi)**

ETIOLOGY

Hematogenous staphylococcal pneumonia secondary to soft tissue infection. Naraqi S, et al. **Chest** 1981 Feb;79(2):173–5

[Furuncle of the forehead complicated by septic pneumonia] Stefański K. **Czas Stomatol** 1980 Aug;33(8):729–34 (Eng. Abstr.) **(Pol)**

[Pathogenesis and treatment of acute destructive lung processes of staphylococcal etiology] Muromskiĭ IuA, et al. **Khirurgiia (Mosk)** 1981 Feb;(2):42–8 (Eng. Abstr.) **(Rus)**

[Suppurative, destructive lung lesions in sepsis] Mustafin DG. **Klin Med (Mosk)** 1980 Dec;58(12):48–51 (Eng. Abstr.) **(Rus)**

[Severe medical sequelae in heroin addicts] Ortega Carnicer J, et al. **Med Clin (Barc)** 1981 Mar 10;76(5):206–10 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

[Certain indices of local and general immunologic reactivity in children with acute staphylococcal destruction of the lungs and its sequelae] Korol' OI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Dec;(12):102–3 **(Rus)**

MORTALITY

[Causes of lethal outcome in destructive lung diseases in children] Zhukov MD, et al. **Grudn Khir** 1980 Nov–Dec; (6):69–72 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Staphylococcal pneumonia. A new perspective. Musher DM, et al. **Chest** 1981 Feb;79(2):172–3

PHYSIOPATHOLOGY

[Pneumonia and renal damage] Batko B, et al. **Wiad Lek** 1980 Nov 15;33(22):1793–7 (Eng. Abstr.) **(Pol)**

[Dynamic characteristics of the health status of children who have had a pulmonary-pleural form of staphylococcal lung destruction] Kaliapina GR. **Pediatriia** 1981 Jan;(1):33–4 **(Rus)**

RADIOGRAPHY

[Difficulties in diagnosing the consequences of staphylococcaemia (author's transl)] Bryc S, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 1979;34:71–80 (Eng. Abstr.) **(Pol)**

SURGERY

[Treatment of complicated forms of staphylococcal lung destruction in children] Sil'vestrov VS, et al. **Grudn Khir** 1981 Mar–Apr;(2):74–6 (Eng. Abstr.) **(Rus)**

THERAPY

Severe staphylococcal infection with pneumonia treated by plasmapheresis and plasma exchange. A preliminary report. King JB, et al. **S Afr Med J** 1980 Nov 22;58(21):849–54

[Treatment results in staphylococcal pneumonia in children] Shchiglik GM, et al. **Grudn Khir** 1980 Sep–Oct;(5):67–9 (Eng. Abstr.) **(Rus)**

PNEUMONIA, VIRAL

COMPLICATIONS

Inappropriate secretion of antidiuretic hormone in infants with respiratory infections. Rivers RP, et al. **Arch Dis Child** 1981 May;56(5):358–63

Recovery from a viral respiratory infection. I. Influenza pneumonia in normal and T-deficient mice. Wells MA, et al. **J Immunol** 1981 Mar;126(3):1036–41

Recovery from a viral respiratory infection. II. Passive transfer of immune spleen cells to mice with influenza pneumonia. Wells MA, et al. **J Immunol** 1981 Mar; 126(3):1042–6

[Emergency treatment of various severe complications of acute pneumonia] Silvestrov VP. **Ter Arkh** 1980; 52(10):81–5 **(Rus)**

DIAGNOSIS

[Cytomegalovirus pneumonia in primarily healthy adults] Pedrazzini AG, et al. **Schweiz Med Wochenschr** 1981 Jun 20;111(25):943–7 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Treatment of chickenpox pneumonia with acyclovir [letter] van der Meer JW, et al. **Lancet** 1980 Aug 30;2(8192):473–4

ETIOLOGY

Fatal pneumonia caused by adenovirus type 35. Kim KS, et al. **Am J Dis Child** 1981 May;135(5):473–5

Diffuse pneumonitis due to adenovirus type 21 in a civilian. Pearson RD, et al. **Chest** 1980 Jul;78(1):107–9

Chronic lung damage caused by adenovirus type 7: a ten-year follow-up study. Similä S, et al. **Chest** 1981 Aug; 80(2):127–31

Fatal syncytial virus pneumonia in a laminar airflow room. Crane LR, et al. **JAMA** 1981 Jul 24–31;246(4):366–7

[Role of viruses in the etiology of pneumonias] Iurlova TI, et al. **Pediatriia** 1981 Jan;(1):10–4 **(Rus)**

[Giant cell pneumonia. Complication in one case of acute lymphoblastic leukemia (author's transl)] González Aza C, et al. **An Esp Pediatr** 1980 Dec;13(12):1101–4 (Eng. Abstr.) **(Spa)**

[Measles-pneumonia in the newborn infant] García H, et al. **Rev Chil Pediatr** 1980 Sep–Oct;51(5):311–6 **(Spa)**

IMMUNOLOGY

Dynamics of B-lymphocytes in the lungs of mice exposed to aerosolized influenza virus. Owens SL, et al. **Infect Immun** 1981 Jul;33(1):231–8

Immunopathologic mechanisms in lower respiratory tract disease of infants due to respiratory syncytial virus. McIntosh K, et al. **Prog Med Virol** 1980;26:94–118 (108 ref.)

MICROBIOLOGY

Experimental pneumovirus infections: 1. Hydrocephalus of mice due to infection with pneumonia virus of mice (PVM). Lagacé-Simard J, et al. **Am J Pathol** 1980 Oct;101(1):31–40

Isolation of an influenza A virus from seals. Lang G, et al. **Arch Virol** 1981;68(3–4):189–95

Adenovirus Type 21 in a civilian [letter] Pearson RD, et al. **Chest** 1981 Jun;79(6):715

[Selected pneumotropic viruses in chronic respiratory tract diseases] Majkowska-Przybyl M, et al. **Pol Tyg Lek** 1980 Dec 8;35(49):1899–902 (Eng. Abstr.) **(Pol)**

MORTALITY

Fatal influenzal pneumonia in pregnancy: Failure to demonstrate transplacental transmission of influenza virus. Ramphal R, et al. **Am J Obstet Gynecol** 1980 Oct 1; 138(3):347–8

OCCURRENCE

[Epidemiological and clinical aspects of primary atypical pneumonia] Pepe G, et al. **Arch Monaldi** 1979;34(5–6):251–8 **(Ita)**

PATHOLOGY

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 37–1981. **N Engl J Med** 1981 Sep 10;305(11):627–35

THERAPY

[Etiological differentiation and treatment of acute pneumonia in adults] Tarasov VI. **Vrach Delo** 1980 Dec;(12):63–6 (Eng. Abstr.) **(Rus)**

VETERINARY

Involvement of adenovirus in pneumonia in a thoroughbred foal [letter] Webb RF, et al. **Aust Vet J** 1981 Mar; 57(3):142–3

The effect of vaccination of lambs with live parainfluenza virus type 3 on pneumonia produced by parainfluenza virus type 3 and Pasteurella haemolytica. Davies DH, et al. **NZ Vet J** 1980 Oct;28(10):201–2

Acute fatal pneumonia in calves due to respiratory syncytial virus [letter] Pritchard DG, et al. **Vet Rec** 1981 Jun 20; 108(25):544–5

PNEUMONOLYSIS

[Lung function after thoracic injury--an aid for indication for an early decortication (author's transl)] Seidl W, et al. **Unfallchirurgie** 1980;6(1):44–8 **(Ger)**

PNEUMOPERICARDIUM

Pneumopericardium in a newborn. Douglas-Jones J, et al. **J Pediatr Surg** 1981 Feb;16(1):75–6

ETIOLOGY

Pericardial complications of endocardial and epicardial pacing. Deanfield J, et al. **Br Med J [Clin Res]** 1981 Sep 5;283(6292):635–6

An unusual complication of laparoscopy: pneumopericardium. Herrerías JM, et al. **Endoscopy** 1980 Sep;12(5):254–5

[Staphylococcus aureus infections of lungs complicated by bilateral pneumothorax, pneumomediastinum, pneumopericardium and pneumoperitoneum (author's transl)] Zhou ZS. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1979;2(2):106–7 **(Chi)**

[Unilateral pulmonary edema, pneumopericardium and bronchial cancer (author's transl)] Grenier P, et al. **J Radiol** 1980 Nov;61(11):729–31 (Eng. Abstr.) **(Fre)**

[Pneumopericardium in neonatal resuscitation] Sabolo S, et al. **Minerva Anestesiol** 1980 Oct;46(10):1099–104 (Eng. Abstr.) **(Ita)**

[Barotraumatic air embolism complicated by pneumopericardium] Gošović S, et al. **Vojnosanit Pregl** 1980 Sep–Oct;37(5):398–401 **(Scr)**

PNEUMOPERITONEUM

COMPLICATIONS

Tension pneumoperitoneum--a cause of ventilatory obstruction. Roberts RB, et al. **Anesthesiology** 1981 Sep; 55(3):326–7

ETIOLOGY

Pneumoperitoneum induced by pneumatosis cystoides intestinalis associated with volvulus of the stomach. Elidan J, et al. **Am J Gastroenterol** 1980 Aug;74(2):189–95

Tension pneumoperitoneum complicating nongangrenous nonocclusive ischemic colitis. Gimmon Z, et al. **Am J Proctol Gastroenterol Colon Rectal Surg** 1980 Sep; 31(9):8, 13, 24

A hazard of Swan–Ganz catheterisation. Smith GB, et al. **Anaesthesia** 1981 Apr;36(4):398–401

Pneumoperitoneum following vaginal insufflation and coitus. Christiansen WC, et al. **Ann Emerg Med** 1980 Sep; 9(9):480–2

Tension pneumoperitoneum as a nontraumatic complication of upper gastrointestinal endoscopy. Taub SJ, et al. **Gastrointest Endosc** 1980 Nov;26(4):153–4

Nonsurgical pneumoperitoneum. Miller RE, et al. **Gastrointest Radiol** 1981 Jan 15;6(1):73–4

Pneumoperitoneum in the ventilated neonate: respiratory or gastrointestinal origin? Knight PJ, et al. **J Pediatr** 1981 Jun;98(6):972–4

Localized intra- and retroperitoneal gas collections following intraoperative use of surgical gelatine sponge. Eklöf O, et al. **Pediatr Radiol** 1981;11(1):1–4

Fatal tension pneumoperitoneum due to aerophagy. Hutchinson GH, et al. **Postgrad Med J** 1980 Jul; 56(657):516–8

Pneumoperitoneum in infants without gastrointestinal perforation. Zerella JT, et al. **Surgery** 1981 Feb;89(2):163–7

Hypercalcemia, pneumothorax and pneumoperitoneum in a patient with pulmonary mycobacteriosis and esophageal carcinoma. Baydur A, et al. **West J Med** 1980 Jul; 133(1):71–7

[Staphylococcus aureus infections of lungs complicated by bilateral pneumothorax, pneumomediastinum, pneumopericardium and pneumoperitoneum (author's transl)] Zhou ZS. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1979;2(2):106–7 **(Chi)**

[Pneumoperitoneum and perforative appendicitis (author's transl)] Oberlin P, et al. **Gastroenterol Clin Biol** 1981 Mar; 5(3):287–9 (Eng. Abstr.) **(Fre)**

[A case of pneumoperitoneum during induction of anaesthesia (author's transl)] Länger W, et al. **Anaesthesist** 1980 Nov; 29(11):639 (Eng. Abstr.) **(Ger)**

[Pneumoperitoneum in artificial respiration with positive end- expiratory pressure] Grundmann R, et al. **Med Welt** 1981 Mar 6;32(10):330–2 **(Ger)**

[Pneumoperitoneum after lavage without perforation of a hollow organ] Mlasowsky B, et al. **Med Welt** 1981 Feb 20;32(8):256 **(Ger)**

[Stomach rupture and tension pneumoperitoneum after faulty nasal application of oxygen] Rockahr GJ. **Z Aerztl Fortbild (Jena)** 1980 Apr 15;74(8):376–8 **(Ger)**

[A personal case of spontaneous pneumoperitoneum and review of the literature] Fabbrucci P, et al. **Minerva Med** 1980 Sep 22;71(35):2511–4 (21 ref.) (Eng. Abstr.) **(Ita)**

[Gastric perforation in the new born infant] Zanardo V, et al. **Minerva Pediatr** 1980 Oct 15;32(19):1157–9 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Pseudopneumoperitoneum due to subphrenic fat. Fataar S, et al. **AJR** 1981 Aug;137(2):391–2

Plain film findings of hydropneumoperitoneum. Han SY, et al. **AJR** 1981 Jun;136(6):1195–7

Pneumoperitoneum: diagnosis from chest radiographs. Gfeller-Varga DA, et al. **Clin Pediatr (Phila)** 1980 Nov; 19(11):761–7

Variation in falciform ligament with pneumoperitoneum. Han SY. **J Can Assoc Radiol** 1980 Sep;31(3):171–3

[Pneumoperitoneum in the newborn (author's transl)] Liu AQ. **Chung Hua Fang She Hsueh Tsa Chih** 1980 Nov; 14(4):286–8 **(Chi)**

RADIONUCLIDE IMAGING

False-positive liver-lung scan caused by intraperitoneal free air. Berg GR. **Clin Nucl Med** 1981 Aug;6(8):386

SURGERY

[Spontaneous pneumoperitoneum] Ernst P, et al. **Z Aerztl Fortbild (Jena)** 1980 Aug 1;74(15):685–6 **(Ger)**

PNEUMOPERITONEUM, ARTIFICIAL

Pelvic pneumography in the investigation of patients with primary amenorrhoea. Kolawole TM, et al. **Diagn Imaging** 1981;50(1):20–8

[Changes in the concentrations of CO2, O2, pH, bicarbonate and excess base in patients subjected to gynecologic laparoscopic examination under general anesthesia] Fernández López de Hierro MC, et al. **Rev Esp Anestesiol Reanim** 1981 Jan;28(1):15–20 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Cul-de-sac insufflation to induce pneumoperitoneum: an analysis of rare problems. van Schie KJ, et al. **Int J Gynaecol Obstet** 1980;18(4):245–7

PNEUMORADIOGRAPHY

[Results of pneumocystography (author's transl)] Scheibe J, et al. **Radiol Diagn (Berl)** 1980;21(6):804–15 (Eng. Abstr.) **(Ger)**

[Xeroradiography and soft tissue traumatology (author's transl)] Schneider PG. **Z Orthop** 1980;118(1):101–6 (Eng. Abstr.) **(Ger)**

[The diagnostic and therapeutic validity of pneumoradiography of breast cysts in the light of personal experience with 236 cases] Gandini G, et al. **Minerva Chir** 1980 Aug 15–31;35(15–16):1155–62 (Eng. Abstr.) **(Ita)**

[Xeropneumoarthrography of the knee: comparison between the xeroradiographic and surgical findings] Balzaretti G, et al. **Radiol Med (Torino)** 1979 Sep;65(9):638–40 **(Ita)**

METHODS

[Demonstration of the knee joint with air. Technique and problems (author's transl)] Schäfer H. **ROEFO** 1981 Apr; 134(4):407–12 (Eng. Abstr.) **(Ger)**

[Pneumomyelography in congenital scoliosis in children] Ul'rikh EV. **Ortop Travmatol Protez** 1981 Feb;(2):19–23 (Eng. Abstr.) **(Rus)**

[Roentgenopneumopolygraphy in the diagnosis of lung cancer] Parashchak PV, et al. **Vopr Onkol** 1980;26(10):83–7 (Eng. Abstr.) **(Rus)**

PNEUMORETROPERITONEUM see **RETROPNEUMOPERITONEUM**

PNEUMOTHORAX

Catamenial pneumothorax [editorial] **Am Fam Physician** 1981 Feb;23(2):108

Pneumothorax reconsidered. Thompson DT. **S Afr Med J** 1981 Mar 14;59(11):377–81

CHEMICALLY INDUCED

Pneumomediastinum and pneumothorax after inhaling alkaloidal cocaine. Shesser R, et al. **Ann Emerg Med** 1981 Apr;10(4):213–5

Pneumothorax during combination chemotherapy. Lote K, et al. **Cancer** 1981 Apr 1;47(7):1743–5

COMPLICATIONS

Unilateral pulmonary edema following spontaneous pneumothorax. Kassis E, et al. **Eur J Respir Dis** 1981 Apr; 62(2):102–6

Eosinophilic pleural effusion following pneumothorax. Saini JS, et al. **Indian J Chest Dis Allied Sci** 1980 Apr–Jun; 22(2):133–6

Pneumothorax, mechanical ventilation, and periventricular haemorrhage [letter] Cooke RW, et al. **Lancet** 1981 Mar 7;1(8219):555

Pneumothorax and cerebral haemorrhage in preterm infants. Lipscomb AP, et al. **Lancet** 1981 Feb 21;1(8217):414–6

[Persistence of hypoxemia after complete reexpansion of the lung in patients with idiopathic spontaneous pneumothorax] Favez G, et al. **Schweiz Med Wochenschr** 1980 Jun 28; 110(26):1010–2 (Eng. Abstr.) **(Fre)**

[Change in ventricular repolarization associated with acute spontaneous pneumothorax] Avonto L, et al. **Minerva Med** 1981 Jun 23;72(25):1653–6 (Eng. Abstr.) **(Ita)**

[Stress-induced posttraumatic pulmonary emphysema eliminated by means of reconstructive bronchial resection] Bogdan TT. **Vestn Khir** 1981 Jan;126(1):98–102 **(Rus)**

[Spontaneous pneumothorax in nonspecific lung diseases] Shiglik GM. **Vestn Khir** 1980 May;124(5):33–6 **(Rus)**

[Lymphangioleiomyatosis. Communication of a case with pulmonary involvement] Olmedo G, et al. **Medicina (B Aires)** 1980 Jan–Feb;40(1):74–80 (Eng. Abstr.) **(Spa)**

CONGENITAL

[Neonatal pneumothorax with posterior urethral valves] Chabrolle JP. **Ann Pediatr (Paris)** 1981 Mar;28(3):214 **(Fre)**

DIAGNOSIS

Tuberculosis presenting with multiple bilateral pulmonary nodules and a pneumothorax. Politis J, et al. **Can Med Assoc J** 1980 Jun 21;122(12):1395–7

Spontaneous pneumothorax in a patient with honeycomb lung. Gore RM, et al. **Chest** 1981 Aug;80(2):215–6

The use of a penlight as an aid in diagnosing pneumothorax. Gottschalk SK, et al. **Clin Pediatr (Phila)** 1980 Nov; 19(11):725

Pyopneumothorax in a 14–year–old boy [clinical conference] Spinola SM, et al. **J Pediatr** 1981 Feb;98(2):328–32

[Thoracic transillumination for the diagnosis of pneumothorax in newborn infants] Dehan M, et al. **Arch Fr Pediatr** 1980 Jan;?7(1):65 **(Fre)**

[Spontaneous pneumothorax and its treatment] Eckert M, et al. **Fortschr Med** 1981 Apr 16;99(15):528–31 (Eng. Abstr.) **(Ger)**

[Pneumothorax in the newborn (author's transl)] Hohenauer L, et al. **Klin Padiatr** 1981 Jul;193(4):305–7 (Eng. Abstr.) **(Ger)**

[Myocardial infarct, lung embolism or spontaneous pneumothorax] **MMW** 1981 Feb 27;123(9):52 **(Ger)**

[Pneumothorax in the newborn] Thieme R, et al. **Zentralbl Gynaekol** 1980;102(1):2–11 (Eng. Abstr.) **(Ger)**

[Anesthesia for pleuroscopy. Importance of intubation with the Carlens tube for a selective diagnosis of emphysematous bullae in primary spontaneous pneumothorax] Cardaci SB, et al. **Minerva Anestesiol** 1981 Mar;47(3):103–6 (Eng. Abstr.) **(Ita)**

[Electrocardiographic changes in left spontaneous pneumothorax. Retrospective study] Gea Malpica A, et al. **Rev Clin Esp** 1981 Jan 31;160(2):87–90 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Pleurodesis for spontaneous pneumothorax. Experience with intrapleural olive oil in high risk patients. Ofoegbu RO. **Am J Surg** 1980 Nov;140(5):679–81

ETIOLOGY

Spontaneous tension pneumothorax and mediastinal emphysema associated with anesthesia for cesarean section. Hubbert CH, et al. **AANA J** 1981 Feb;49(1):59–62

Subvisceral pleural air in neonates with respiratory distress. Ivey HH, et al. **Am J Dis Child** 1981 Jun;135(6):544–6

Unilateral pneumothorax following jet ventilation during general anesthesia. Chang JL, et al. **Anesthesiology** 1980 Sep;53(3):244–6

Pneumothorax attributable to nasogastric tube [letter] Hollimon PW, et al. **Arch Surg** 1981 Jul;116(7):970

Pneumothorax associated with primary bronchial carcinoma. Ayres JG, et al. **Br J Dis Chest** 1980 Apr;74(2):180–2

Hydatid disease presenting as tension pneumothorax. Connellan SJ, et al. **Br J Dis Chest** 1979 Oct;73(4):405–6

Spontaneous pneumothorax in Hodgkin's disease. Plowman PN, et al. **Br J Dis Chest** 1980 Oct;74(4):411–4

Late appearance of pneumothorax after subclavian vein catheterisation: an anaesthetic hazard. Mitchell A, et al. **Br Med J** 1980 Nov 15;28'(6251):1339

Late appearance of pneumothorax after subclavian vein catheterisation: an anaesthetic hazard [letter] Lavelle MA. **Br Med J [Clin R]** 1981 Jan 3;282(6257):73

Late appearance of pneumothorax after subclavian vein catheterization: an anaesthetic hazard [letter] Carter AJ. **Br Med J [Clin Res]** 1981 May 2;282(6274):1476

Pneumothorax following subclavian vein catheterization [letter] Malins A, et al. **Br Med J [Clin Res]** 1981 Jan 3; 282(6257):73

Late appearance of pneumothorax after subclavian vein catheterisation [letter] Mitchell A, et al. **Br Med J [Clin Res]** 1981 Mar 7;282(6266):822

Complications of attempted central venous injections performed by drug abusers. Lewis JW Jr, et al. **Chest** 1980 Oct;78(4):613–7

Catamenial pneumothorax. Stern H, et al. **Chest** 1980 Sep; 78(3):480–2

Hemoptysis and pneumothorax after removal of a persistently wedged pulmonary artery catheter. Farber DL, et al. **Crit Care Med** 1981 Jun;9(6):494–5

Catamenial pneumothorax. Kowalski ML, et al. **Eur J Respir Dis** 1980 Jun;61(3):174–6

Mediastinitis and bilateral pyopneumothorax complicating a parapharyngeal abscess. Eliachar I, et al. **Head Neck Surg** 1981 May–Jun;3(5):438–42

Pneumothorax of late onset after chest stabbings. McLatchie GR, et al. **Injury** 1980 May;11(4):331–5

Pneumothorax in the Ehlers–Danlos syndrome. O'Neill S, et al. **Ir J Med Sci** 1981 Feb;150(2):43–4

Successful surgical repair of iatrogenic lung perforation in a neonate. Gangitano ES, et al. **J Pediatr Surg** 1981 Feb; 16(1):70–1

Spontaneous pneumothorax during adjuvant chemotherapy for soft–tissue sarcoma. Markman M, et al. **Johns Hopkins Med J** 1981 Jun;148(6):264–5

Pneumothorax under anesthesia. A case report. Dhamee MS, et al. **Middle East J Anaesthesiol** 1980 Oct;5(8):535–8

Pyopneumothorax as a complication of Pseudomonas aeruginosa bronchopneumonia: a case report. Schwarz KO, et al. **Mt Sinai J Med (NY)** 1981 Mar–Apr;48(2):146–8

Bronchogenic carcinoma presenting as spontaneous pneumothorax: report of two cases and review of the literature. Battaglini JW, et al. **NC Med J** 1980 Dec; 41(12):805–7

Closed–chest intracardiac injection. Hao–Hui C. **Resuscitation** 1981 Mar;9(1):103–6

Risk factors in percutaneous transthoracic needle biopsy. Sinner WN. **ROEFO** 1980 Apr;132(4):363–8

Hypercalcemia, pneumothorax and pneumoperitoneum in a patient with pulmonary mycobacteriosis and esophageal carcinoma. Baydur A, et al. **West J Med** 1980 Jul; 133(1):71–7

[An analysis of 531 cases of spontaneous pneumothorax (author's transl)] Hu ZJ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1980 Feb;3(2):81–2 **(Chi)**

[Staphylococcus aureus infections of lungs complicated by bilateral pneumothorax, pneumomediastinum, pneumopericardium and pneumoperitoneum (author's transl)] Zhou ZS. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1979;2(2):106–7 **(Chi)**

[Bilateral pneumothorax; a rare complication of gynecological laparoscopy (author's transl)] Ronsse G, et al. **Acta Chir Belg** 1980 Sep–Oct;79(5):345–8 (Eng. Abstr.) **(Fre)**

[Neonatal pneumothorax manifested by posterior urethral valves. Apropos of 2 surviving cases] Allouis M, et al. **Ann Pediatr (Paris)** 1980 Jun;27(6):387–9 (Eng. Abstr.) **(Fre)**

[Incidence of pneumothorax caused by foreign bodies inhaled in the lower respiratory tract in children] Stanisavljević B, et al. **J Fr Otorhinolaryngol** 1981 Feb;30(2):75–8 **(Fre)**

Pneumothorax in sarcoidosis (author's transl)] Babany G, et al. **Poumon Coeur** 1980;36(6):397–401 (Eng. Abstr.) **(Fre)**

[Residual pneumothorax following lobectomy] Famos M, et al. **Helv Chir Acta** 1980 Jun;47(1–2):33–6 (Eng. Abstr.) **(Ger)**

[Bilateral pneumothorax associated with cytostatically induced regression of pulmonary metastases (author's transl)] Kokron O. **Prax Klin Pneumol** 1980 Mar; 34(3):144–7 (Eng. Abstr.) **(Ger)**

[A case of pneumothorax frequently recurring as a complication of severe asthma: treatment by creation of pleural adherence] Iester A, et al. **Minerva Pediatr** 1980 Dec 15;32(23):1343–8 (Eng. Abstr.) **(Ita)**

[Spontaneous pneumothorax in children with measles] Gutowska Z, et al. **Pediatr Pol** 1981 Feb;56(2):189–95 **(Pol)**

[Role of blood serum alpha 1–antitrypsin in idiopathic pneumothorax] Biesiekierska–Chańko I. **Pol Tyg Lek** 1980 Nov 24;35(47):1801–3 (Eng. Abstr.) **(Pol)**

[Recurrent spontaneous pneumothorax associated with menstruation (catamenial pneumothorax)] Kowalski ML, et al. **Pol Tyg Lek** 1980 Oct 20;35(40):1539–41 (24 ref.) **(Pol)**

[Spontaneous pneumothorax in primary bronchial neoplasm] Bednarski Z. **Wiad Lek** 1981 Jan 15;34(2):125–8 (Eng. Abstr.) **(Pol)**

[Spontaneous pneumothorax and its association with chronic lung diseases] Sharov IuK, et al. **Grudn Khir** 1980 Nov–Dec;(6):60–3 (Eng. Abstr.) **(Rus)**

[3 cases of pneumothorax in status asthmaticus in children] Tiurin NA, et al. **Pediatriia** 1980 Jul;(7):65–7 **(Rus)**

[Complications of subclavian vein puncture during artificial respiration] Manturov AI. **Vestn Khir** 1981 Jan;126(1):141–3 **(Rus)**

[Traumatic and spontaneous pneumothorax in the middle–aged and elderly] Bezborod'ko SA. **Vrach Delo** 1980 Jul;(7):44–6 (Eng. Abstr.) **(Rus)**

[Catamenial pneumothorax] Bengtsson NO, et al. **Lakartidningen** 1980 Nov 12;77(46):4309–10 (Eng. Abstr.) **(Swe)**

OCCURRENCE

Incidence of spontaneous pneumothorax in apparently healthy aircrew. Fuchs HS. **Riv Med Aeronaut Spaz** 1979 Jul–Dec;42(3–4):428–42

PATHOLOGY

[Acupuncture as a cause of death (author's transl)] Brettel HF. **MMW** 1981 Jan 16;123(3):97–8 (Eng. Abstr.) **(Ger)**

[Penetrating wound of the cervical portion of the trachea and pneumothorax] Mikhelson MO, et al. **Grudn Khir** 1981 Jan–Feb;(1):84 **(Rus)**

[Pneumothorax in the single lung] Ryzhankov AK, et al. **Grudn Khir** 1981 Jul–Aug;(4):85 **(Rus)**

PHYSIOPATHOLOGY

ECG changes associated with spontaneous left–sided pneumothorax. Habibzadeh MA. **Postgrad Med** 1980 Oct; 68(4):221–3, 226

[The study of QRS loop in spontaneous pneumothorax (author's transl)] Tsutsumi T. **Nippon Naika Gakkai Zasshi** 1981 Jan;70(1):51–63 **(Jpn)**

PREVENTION & CONTROL

Prospective clinical comparison of two methods for mechanical ventilation of neonates: rapid rate and short inspiratory time versus slow rate and long inspiratory time. Heicher DA, et al. **J Pediatr** 1981 Jun;98(6):957–61

RADIOGRAPHY

Bilateral pneumothorax as an early sign in a child with histiocytosis X. Benoit Y. **Acta Paediatr Belg** 1981 Jan–Mar; 34(1):43–5

Lingular collapse with medial pneumothorax: puzzling image in children. Riggs W Jr, et al. **AJR** 1981 May;136(5):919–21

Early diagnostic clues in subcutaneous emphysema, pneumothorax and other radiologic abnormalitities [letter] Lecks HI. **Ann Allergy** 1980 Sep;45(3):197

Occult pneumothorax [letter] Cohen A. **Br J Radiol** 1981 May;54(641):428

Radiographic contribution to diagnosis and treatment of complications from peritoneoscopy. Dunnick NR, et al. **Gastrointest Radiol** 1981 Jan 15;6(1):69–72

A simple way to estimate the size of a pneumothorax. Axel L. **Invest Radiol** 1981 Mar–Apr;16(2):165–6

'Rocker–bottom thymus'. A new sign of pneumomediastinum in the neonate. Kogutt MS. **JAMA** 1981 Aug 14; 246(7):770–1

Roentgenologic changes in meconium aspiration syndrome: review and report of case. Farquhar RC 3d. **JAOA** 1981 May;80(9):604–8

SURGERY

Nonexpandable lung after drainage of pneumothorax. Galvis AG, et al. **AJR** 1981 Jun;136(6):1224–6

Pneumothorax: a therapeutic update. Cannon WB, et al. **Am J Surg** 1981 Jul;142(1):26–9

Transaxillary pleurectomy for treatment of spontaneous pneumothorax. Deslauriers J, et al. **Ann Thorac Surg** 1980 Dec;30(6):569–74

Excision of bullae without pleurectomy in patients with spontaneous pneumothorax. Ferguson LJ, et al. **Br J Surg** 1981 Mar;68(3):214–6

[Surgical treatment of the spontaneous pneumothoraces and its pathological findings. Taki T, et al. **Bronchopneumologie** 1980;30(4):297–306

'Bleb' carcinoma of the lung. Scannell JG. **J Thorac Cardiovasc Surg** 1980 Dec;80(6):904–8

[Surgical treatment of spontaneous pneumothorax] Bruni F, et al. **Bronchopneumologie** 1979;29(6):507–12 **(Fre)**

[Surgical treatment of spontaneous pneumothorax] Deneffe G, et al. **Bronchopneumologie** 1980 May–Jun;30(3):241–5 **(Fre)**

[Indications and results of surgical treatment of spontaneous pneumothorax] Gänger KH, et al. **Helv Chir Acta** 1980 Jun;47(1–2):27–31 (Eng. Abstr.) **(Ger)**

[Penetrating thoraco–abdominal wound with bilateral hemopneumothorax and injury to the liver, lung and pericardium] Kharin VIu, et al. **Khirurgiia (Mosk)** 1981 Jun; (6):93–4 **(Rus)**

[Treatment of nonspecific spontaneous pneumothorax] Gredzhev AF, et al. **Klin Khir** 1980 Oct;(10):22–5 (Eng. Abstr.) **(Rus)**

THERAPY

Pulmonary hemorrhage secondary to chest tube placement for pneumothorax in neonates. Jung AL, et al. **Clin Pediatr (Phila)** 1980 Sep;19(9):624–7

Acquired eventration of the diaphragm: a complication of chest tube placement in neonatal pneumothorax. Marinelli PV, et al. **Pediatrics** 1981 Apr;67(4):552–4

Understanding the Pleurevac. Rothberg AD, et al. **Pediatrics** 1981 Apr;67(4):482–4

The management of spontaneous pneumothorax and bullous emphysema. DeVries WC, et al. **Surg Clin North Am** 1980 Aug;60(4):851–66

[Therapeutic indications in spontaneous idiopathic

pneumothorax] Bariffi F, et al. **Bronchopneumologie** 1979; 29(6):501–6 **(Fre)**

PNEUMOTHORAX, ARTIFICIAL

[A specific survey, made at the CPA of Caserta, of women exposed to pneumothorax therapy for pulmonary tuberculosis, with a view to establishing predisposition to breast cancer] Di Cerbo G, et al. **Arch Monaldi** 1979; 34(5–6):288–97 (Eng. Abstr.) **(Ita)**

PODANGIUM see **MYXOBACTERALES**

PODIATRY

see related
FOOT DISEASES

The characteristics of podiatric care in the Veterans Administration. McCarthy DJ, et al.
J Am Podiatry Assoc 1980 Aug;70(8):385–96

The pedorthists. Rossi WA. **J Am Podiatry Assoc** 1981 Mar; 71(3):170–1

President's message: inaugural address. Rothfeld H.
J Am Podiatry Assoc 1981 Sep;71(9):523–5

Chiropody and the painful foot. Smidt LA, et al.
Rep Rheum Dis 1980 Jul;74:1p.

EDUCATION

Podiatric educational programs in the Veterans Administration. Baerg RH. **J Am Podiatry Assoc** 1980 Aug; 70(8):405–9

A graduate public health program for podiatric medicine: final results and recommendations. Kamel WW, et al.
J Am Podiatry Assoc 1980 Dec;70(12):628–31

A model for the establishment of podiatric clinical rotations in a hospital. Lemont H, et al. **J Am Podiatry Assoc** 1980 Nov;70(11):574–82

HISTORY

Podiatric medicine in Britain and the United States: contrasts in development. Block P. **Milit Med** 1981 Mar; 146(3):205–10

INSTRUMENTATION

The podium. Estersohn HS, et al. **J Am Podiatry Assoc** 1981 Apr;71(4):222–3

MANPOWER

An analysis of future demand for podiatric services. Burke WM. **J Am Podiatry Assoc** 1981 Aug;71(8):436–9

PODOPHYLLIN

ANALOGS & DERIVATIVES

The diagnostic value of circulating trophoblast-specific beta 1-glycoprotein (TSG) in cancer patients. Tatarinov YS. **Br J Cancer** 1980 May;41(5):821–4

Complement activation, circulating C1q binding substances and inflammatory activity in rheumatoid arthritis: relations and changes on suppression of inflammation. Berglund K, et al. **J Clin Lab Immunol** 1980 Jul;4(1):7–14

THERAPEUTIC USE

A review of outpatient management of female genital warts. Jenkins HM, et al. **Br J Clin Pract** 1980 Oct;34(10):273–5

Podophyllin 10% and 25% in the treatment of ano-genital warts. A comparative double-blind study. Simmons PD. **Br J Rheum Dis** 1981 Jun;57(3):208–9

PODOPHYLLOTOXIN

ADMINISTRATION & DOSAGE

VP-16-213 salvage therapy for refractory germinal neoplasms. Williams SD, et al. **Cancer** 1980 Nov 15; 46(10):2154–8

ANALOGS & DERIVATIVES

Cytokinetic changes in the peripheral blood of leukemic patients during cytostatic therapy. V. Effect of VP 16 213 studied with flow cytofluorometry and cytoautoradiography. Riccardi A, et al.
Basic Appl Histochem 1980;24(3):171–9

Effect of VM-26 on the haematological responses of mice to L1210 leukaemia. Hacker M, et al. **Br J Cancer** 1980 Nov;42(5):697–702

Combined chemotherapy in the management of metastatic bladder cancer. Garcia-Giralt E, et al. **Br J Urol** 1981 Aug; 53(4):318–9

VM-26 and cytosine arabinoside combination chemotherapy for initial induction failures in childhood lymphocytic leukemia. Rivera G, et al. **Cancer** 1980 Oct 15;46(8):1727–30

The effect of VP 16-213 on NBT reduction in the normal polymorphonuclear neutrophil. Bender JW.
Cancer Biochem Biophys 1980;4(4):233–6

VP-16-213 therapy in patients with small-cell carcinoma of the lung after failure on combination chemotherapy. Tempero M, et al. **Cancer Clin Trials** 1981;4(2):155–7

High-dose VP 16-213 (NSC 141540) for the treatment of patients with previously treated acute leukemia. Van Echo DA, et al. **Cancer Clin Trials** 1980;3(4):325–8

Sedimentation of DNA from L1210 cells after treatment with 4'-demethylepipodophyllotoxin-9-(4,6-O-2-thenylidene- or 1-beta-D-arabinofuranosylcytosine or both drugs. Roberts D, et al. **Cancer Res** 1980 Nov;40(11):4225–31

Cyclophosphamide and VP-16-213 with or without cisplatin in squamous cell and small cell lung cancers. Eagan RT, et al. **Cancer Treat Rep** 1981 May-Jun;65(5–6):453–8

VP-16-213 in combination with cyclophosphamide, doxorubicin, vincristine, and prednisone in the treatment of non-Hodgkin's lymphomas. Hansen MM, et al.
Cancer Treat Rep 1980 Oct-Nov;64(10–11):1135–7

Phase II clinical trial of VP-16-213 in ovarian cancer. Maskens AP, et al. **Cancer Treat Rep** 1981 Mar-Apr; 65(3–4):329–30

Oral VP-16-213 in transitional cell carcinoma of the bladder: a phase II study. Panduro J, et al. **Cancer Treat Rep** 1981 Jul-Aug;65(7–8):703–4

Phase II evaluation of VP-16-213 in patients with advanced breast cancer: a Southwest Oncology Group Study. Vaughn CB, et al. **Cancer Treat Rep** 1981 May-Jun; 65(5–6):443–5

Combination of high-dose cyclophosphamide, BCNU, and VP-16-213 followed by autologous marrow rescue in the treatment of relapsed leukemia. Zander AR, et al.
Cancer Treat Rep 1981 May-Jun;65(5–6):377–81

A phase II study of oral VP-16-213 in non-seminomatous testicular cancer. Cavalli F, et al. **Eur J Cancer** 1981 Feb; 17(2):245–9

VP16-213 as a single agent in advanced testicular tumors. Fitzharris BM, et al. **Eur J Cancer** 1980 Sep;16(9):1193–7

Combination chemotherapy with VM 26 and CCNU in primary malignant brain tumors of children. Seiler RW. **Helv Paediatr Acta** 1980 Mar;35(1):51–6

High-performance liquid chromatography determination of 4'-demethyl-epipodophyllotoxin-9-(4,6-O-ethylidene beta-D-glucopyranoside) (VP 16-213) in human plasma. Farina P, et al. **J Chromatogr** 1981 Jan 2;222(1):141–5

Analysis of the anticancer drugs etoposide (VP 16-213) and teniposide (VM 26) by high-performance liquid chromatography with fluorescence detection. Strife RJ, et al. **J Chromatogr** 1981 Jun 12;224(1):168–74

Analysis of 4'-demethylepipodophyllotoxin-9-(4,6-O-ethylidene-beta by high-pressure liquid chromatography. Allen LM.
J Pharm Sci 1980 Dec;69(12):1440–1

Acute intravascular haemolysis and renal failure due to teniposide related antibody [letter] Habibi B, et al.
Lancet 1981 Jun 27;1(8235):1423–4

Cis-dichlorodiammineplatinum (II) and VP 16-213 combination chemotherapy for non-small cell lung cancer. Goldhirsch A, et al. **Med Pediatr Oncol** 1981;9(3):205–8

VP 16-213 and cyclophosphamide in the treatment of refractory acute nonlymphocytic leukemia with monocytic features. Hurd DD, et al. **Med Pediatr Oncol** 1981; 9(3):251–5

Preliminary study of the combination, dianhydrogalactitol, cis-diaminedichloroplatinum (II), and VP-16-213 in patients with advanced cancer. Creagan ET, et al.
Oncology 1981;38(5):260–1

The epipodophyllotoxin derivatives VM-26 and VP-16-213, 1976–1979, a review. Nissen NI, et al.
Recent Results Cancer Res 1980;74:98–106 (43 ref.)

VM-26 monochemotherapy trial in the treatment of recurrent supratentorial gliomas: preliminary report. Gerosa MA, et al. **Surg Neurol** 1981 Feb;15(2):128–34

[Effectiveness of VM 26, mitomycine C and methotrexate in advanced breast cancer refractory to a four drug combination (author's transl)] Pouillart P, et al.
Bull Cancer (Paris) 1979;66(5):485–90 (Eng. Abstr.) **(Fre)**

[Malignant gliomas in adult. Interest of immediate radiotherapy in the combined protocols : chemotherapy (VM26-CCNU), radiotherapy. A cooperative study on 137 cases (author's transl)] Chatel M, et al. **Sem Hop Paris** 1981 Feb 8–15;57(5–6):225–8 (Eng. Abstr.) **(Fre)**

[Malignant gliomas treated by combination chemotherapy and delayed radiation therapy (author's transl)] Poisson M, et al. **Sem Hop Paris** 1981 Feb 8–15;57(5–6):229–35 (Eng. Abstr.) **(Fre)**

[Etoposide. A new highly effective cytostatic agent in anaplastic small-cell bronchial carcinoma, other solid tumors and hemoblastoses] Goldhirsch A, et al.
Dtsch Med Wochenschr 1981 Aug 28;106(35):1105–9 (73 ref.) **(Ger)**

[Randomized phase II study with VP-16-213 (etoposide) in the treatment of advanced breast cancer] Cavalli F, et al.
Onkologie 1981 Apr;4(2):80–3 (Eng. Abstr.) **(Ger)**

[Results of a clinical study of an epipodophyllotoxin preparation (VM 26) in children with hemoblastoses] Kondrat'eva NA, et al. **Probl Gematol Pereliv Krovi** 1981 Apr;26(4):12–6 (Eng. Abstr.) **(Rus)**

[Use of preparation VM 26 (epipodophyllotoxin) for treating lymphomas in children and adults] Kondrat'eva NA, et al. **Vopr Onkol** 1981;27(4):82–7 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Systemic effects of podophyllotoxin on phosphate metabolism in innervated and denervated, slow and fast muscles of the rat. Goldschmidt P, et al.
Arch Int Physiol Biochim 1980 Dec;88(5):465–74

Incorporation of radioactive tubulin into microtubules at steady state. Experimental and theoretical analysis of the effect of podophyllotoxin. Caplow M, et al.
J Biol Chem 1981 Jun 10;256(11):5608–11

Effects of inhibitors of tubulin polymerization on GTP hydrolysis. Lin CM, et al. **J Biol Chem** 1981 Sep 10; 256(17):9242–5

Resistance to the microtubule inhibitor podophyllotoxin: selection and partial characterization of mutants in CHO cells. Gupta RS. **Somatic Cell Genet** 1981 Jan;7(1):59–71

THERAPEUTIC USE

Phase II studies of dianhydrogalactitol-based combination chemotherapy for recurrent brain tumors. Eagan RT, et al. **Oncology** 1981;38(1):4–6

POETRY

The use of poetry in treating the troubled adolescent. Mazza N. **Adolescence** 1981 Summer;16(62):403–8

Induction of hypnosis by poetic hypnogram. Silber S.
Am J Clin Hypn 1980 Apr;22(4):212–6

Virgil on anthrax. Dirckx JH. **Am J Dermatopathol** 1981 Summer;3(2):191–5

A fourteenth-century Latin poem on the art of the physician. Yates D. **Bull Hist Med** 1980 Fall;54(3):447–50

My life. Lambert PC Jr. **Childs Brain** 1980;7(2):110–2

Early Greek medicine and the poetry of Solon. Phillips JH.
Clio Med 1980 Dec;15(1–2):1–4

Poetical version of the Rules of the Humane Society for recovering drowned persons. Scherlis L. **Crit Care Med** 1981 May;9(5):430–1

Is there a relationship between illness and creativity? An analysis of the life and poetry of A. V. Koltsov. Lieber Z. **Int J Soc Psychiatry** 1980;26(3):212–7

Poetry, medicine and metaphysics. Kaplan A.
J Am Acad Psychoanal 1981 Jan;9(1):101–28

Bergen County's poet-physicians. Nevins MA.
J Med Soc NJ 1980 Nov;77(12):831–3

Virgil and medicine. Dirckx JH. **JAMA** 1981 Sep 18; 246(12):1326–9

S. Weir Mitchell and Oliver Wendell Holmes. A friendship and poetic tribute. Schneck JM. **JAMA** 1981 Aug 28; 246(9):974–8

Yefim Alekseyevich Pridvorov. Shampo MA, et al.
JAMA 1981 Apr 17;245(15):1561

Occasional notes Captains of an American credo: Walt and W.O. Nelson RB 3d. **N Engl J Med** 1981 Jul 9;305(2):110–2

John Keats (1795–1821)—poet, physician and tuberculosis patient. Dubovsky H. **S Afr Med J** 1981 Jun 6;59(24):875–8

[Haec litteris mandavit. Correspondence between V. Nezval and J. Skořepa] Adamec J, et al. **Cas Lek Cesk** 1981 Jul 2;120(26):811–2 **(Cze)**

[Pockmarks and beauty] Koelbing HM. **Gesnerus** 1980; 37(3–4):321–3 **(Ger)**

[Hölderlin: poet, madman--malingerer? (author's transl)] Peters UH. **Nervenarzt** 1981 May;52(5):261–8 **(Ger)**

[Tytus Chałubiński in the eyes of contemporary men of letters and the arts] Kempa K. **Wiad Lek** 1980 Dec 1;33(23):1931–4 **(Pol)**

[Psychopathology of poetry writing of schizophrenic patients while ill] Miliavskiĭ VM. **Zh Nevropatol Psikhiatr** 1981; 81(1):104–8 (Eng. Abstr.) **(Rus)**

[The description of his smallpox by the Abbé Molina (1761) (author's transl)] Costa-Casareto C. **Rev Med Chil** 1979 Dec;107(12):1141–51 (Eng. Abstr.) **(Spa)**

POIKILODERMA CONGENITALE see under **SKIN DISEASES**

POISON CONTROL CENTERS

The poison control center: answers not antidotes. Rumack BH. **Hosp Pract** 1980 Oct;15(10):123–9

Directory. **Natl Clgh Poison Control Cent Bull** 1980 Aug; 24(8):1–34

Tabulations of 1978 case reports.
Natl Clgh Poison Control Cent Bull 1980 Oct;24(10):1–20

Poison control centers: services to communities. Gricoski ML, et al. **Pa Med** 1980 Nov;83(11):37–8

Online data retrieval in poison control. Lorent JP.
Vet Hum Toxicol 1980 Dec;22(6):425–8

[Toxic death: statistics of the French Poison Control Centers. French Group of Poison Control Centers]
Acta Med Leg Soc (Liege) 1980;30(3):55–63 **(Fre)**

[Information from the Soviet Toxicology Center]
Farmakol Toksikol 1980 Nov-Dec;43(6):750–1 **(Rus)**

[Soviet toxicology center of the International Registry of Potentially Toxic Chemical Substances, a coordinating link in the system of preventive toxicology institutions] Sanotskiĭ IV, et al. **Gig Sanit** 1981 Jan;(1):93–4 **(Rus)**

[Information from the Soviet Toxicology Center]
Gig Tr Prof Zabol 1980 Oct;(10):55–6 **(Rus)**

[Information from the Soviet Toxicology Center]
Gig Tr Prof Zabol 1981 Mar;(3):52–5 **(Rus)**

[Information program of the Soviet Toxicology Center] Sanotskiĭ IV, et al. **Gig Tr Prof Zabol** 1980 Oct;(10):53–4 **(Rus)**

CLASSIFICATION

... (poison control centers).
Natl Clgh Poison Control Cent Bull 1981 Jan;25(1):1–10

ORGANIZATION & ADMINISTRATION

Experimental evaluation of an interactive information processing aid for an emergency poison center. Robertson CK. **Behav Sci** 1981 Jul;26(3):256–71

Noninteractive emergency consultation for acute intoxication. Comstock EG. **Clin Toxicol** 1981 Feb; 18(2):133–40

UTILIZATION

Economic status of callers to a poison center. Czajka PA, et al. **Am J Hosp Pharm** 1981 Jul;38(7):1036–7

National Poisons Information Services: report and comment 1980. Volans GN, et al. **Br Med J [Clin Res]** 1981 May 16;282(6276):1613–5

Alternatives to the Intermountain Regional Poison Control Center. Veltri DG. **Vet Hum Toxicol** 1980 Oct;22(5):323–5

POISON IVY DERMATITIS

COMPLICATIONS

Erythema multiforme associated with Rhus contact dermatitis. Schwartz RS, et al. **Cutis** 1981;27(1):85–6

IMMUNOLOGY

Immunologic studies of poisonous Anacardiaceae: I. Production of tolerance and desensitization to poison Ivy and oak urushiols using esterified urushiol derivatives in guinea pigs. Watson ES, et al. **J Invest Dermatol** 1981 Mar; 76(3):164–70

Immunological studies of poisonous anacardiaceae: production of tolerance in guinea pigs using 3-n-pentadecylcatechol-'modified' autologous blood cells. Watson ES, et al. **J Pharm Sci** 1981 Jul;70(7):785–9

PREVENTION & CONTROL

Recognition of poison ivy during winter with emphasis on Midwestern plants. Guin JD, et al. **Int J Dermatol** 1980 Nov;19(9):500–3

Desensitization to poison ivy. **Med Lett Drugs Ther** 1981 Apr 17;23(8):40

RADIOTHERAPY

Ask the experts. **J Dermatol Surg Oncol** 1981 Jun;7(6):463, 511

POISONING

see related

ANTIDOTES

Accidental poisoning preceding nonaccidental injury [letter] Murphy J, et al. **Arch Dis Child** 1981 Jan;56(1):78–9

Nonaccidental poisoning: the elusive diagnosis [letter] Rogers DW, et al. **Arch Dis Child** 1981 Feb;56(2):156–7

Management of patients after self-poisoning [letter] Gardner R. **Br Med J** 1980 Dec 6;281(6254):1562

'Overdose-will psychiatrist please see?' [letter] Lear TE. **Lancet** 1981 Feb 21;1(8217):435

Street drug interactions with ethyl alcohol circadian and lunar lethality rhythms. Morris RW. **Life Sci** 1980 Dec 22–29;27(25–26):2577–81

Citations from the recent literature.
Natl Clgh Poison Control Cent Bull 1980 May;24(5):5–13

Citations from the recent literature.
Natl Clgh Poison Control Cent Bull 1980 Sep;24(9):1–9

Citations from the recent literature.
Natl Clgh Poison Control Cent Bull 1980 Nov;24(11):1–13

Citations from the recent literature.
Natl Clgh Poison Control Cent Bull 1981 Mar;25(3):3–10

Emergency phone numbers.
Natl Clgh Poison Control Cent Bull 1981 Feb;25(2):1–18

Citations from the recent literature.
Natl Clgh Poison Control Cent Bull 1981 Apr;25(4):6–7

[The medicalization of the death penalty] Poggi N.
Acta Med Leg Soc (Liege) 1980;30(1):229–31 **(Fre)**

[Poisoning in childhood] Correa N, et al.
Rev Chil Pediatr 1979 Nov–Dec;50(6):18–26 **(Spa)**

BLOOD

Reliability of the toxic screen in drug overdose. Ingelfinger JA, et al. **Clin Pharmacol Ther** 1981 May;29(5):570–5

The effect of charcoal hemoperfusion on the catecholamine levels in severely intoxicated patients. Verpooten GA, et al. **Clin Toxicol** 1981 Feb;18(2):127–31

[Clinical aspects of disseminated intravascular coagulation in acute intoxications (author's transl)] Jeske J, et al.
Przegl Lek 1981;38(6):519–21 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

[Neurological symptoms in poisoning] Neu I. **MMW** 1980 Oct 3;122(40):1365–70 (Eng. Abstr.) **(Ger)**

[Mental disorders among patients of the acute poisoning department] Jezierska A. **Pol Tyg Lek** 1980 Jul 21; 35(29):1095–7 (Eng. Abstr.) **(Pol)**

[Pressing clinical problems of the late sequelae of chronic occupational neurointoxication] Ryzhkova MN, et al.
Gig Tr Prof Zabol 1980 Sep;(9):5–8 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Cost effective drug screening in the laboratory. Sohn D, et al. **Clin Toxicol** 1981;18(4):459–69

Emergency toxicology in a rural 119 bed hospital. Hentz EC, et al. **J SC Med Assoc** 1981 Jun;77(6):291–2

The pharmacology of acute poisoning in the teenager. Maragos GD. **Paediatrician** 1981;10(4):232–9

[Death by poisoning. Introduction] Roche L.
Acta Med Leg Soc (Liege) 1980;30(3):9–10 **(Fre)**

[Toxicological screening (author's transl)] Ulrich L.
Ther Umsch 1980 Oct;37(10):911–7 (Eng. Abstr.) **(Ger)**

[Possibilities and value of laboratory examinations in acute poisonings] Lenz K, et al. **Wien Med Wochenschr** 1981 Feb 28;131(4):95–8 **(Ger)**

[Experimental poisoning due to gaseous hydrocarbons: changes of the concentration of propane and butane in the lung and adipose tissue as a functon of the time of death] Gagliano Candela R, et al. **Boll Soc Ital Biol Sper** 1979 Jan 15;55(1):38–41 (Eng. Abstr.) **(Ita)**

[Problems of the clinical aspects, pathogenesis and early diagnosis of modern neurotoxin poisoning] Antoniuzhenko VA. **Gig Tr Prof Zabol** 1980 Oct;(10):24–7 (Eng. Abstr.) **(Rus)**

[Mathematical approach to detecting the chronic action of low concentrations of industrial poisons] Genes VS, et al. **Gig Tr Prof Zabol** 1981 Jan;(1):30–2 (Eng. Abstr.) **(Rus)**

[So-called specific and nonspecific action of industrial poisons] Zislin DM. **Gig Tr Prof Zabol** 1981 Mar;(3):30–3 (Eng. Abstr.) **(Rus)**

[Collection and dispatching of material for chemical and toxicological investigations] Milenković D, et al.
Srp Arh Celok Lek 1980 Feb;108(2):155–8 (Eng. Abstr.) **(Scc)**

DRUG THERAPY

Ipecac syrup for poisonings at home: availability, compliance, and response monitored by telephone. Mowry JB, et al. **Am J Hosp Pharm** 1981 Jul;38(7):10[illegible]–30

Syrup of ipecac still number one choice. **Am Pharm** 1981 Feb;21(2):46

Use of cathartics in toxic ingestions. Riegel JM, et al.
Ann Emerg Med 1981 May;10(5):254–8

[Treatment of poisoning--antidote. 9. Drug withdrawal] Daunderer M. **Fortschr Med** 1980 May 29;98(20):779–83 **(Ger)**

[Metabolic disorders in acute poisoning and their correction by sodium succinate] Maliuk VI, et al. **Vrach Delo** 1981 Aug;(8):66–8 **(Rus)**

ETIOLOGY

Full moon and poisoning. Thakur CP, et al. **Br Med J** 1980 Dec 20–27;281(6256):1684

METABOLISM

Pharmacokinetics of drug overdose. Rosenberg J, et al.
Clin Pharmacokinet 1981 May–Jun;6(3):161–92 (174 ref.)

MORTALITY

Accidental poisoning deaths in British children 1958–77. Fraser NC. **Br Med J** 1980 Jun 28;280(6231):1595–8

Drug deaths in St. Louis City and County: a brief survey, 1977–1979. Poklis A, et al. **Clin Toxicol** 1981 Feb; 18(2):141–7

Hypnotics and sedatives: an index of fatal toxicity [letter] King LA, et al. **Lancet** 1981 Feb 14;1(8216):387–8

Accidental poisoning. **Stat Bull Metropol Life Ins Co** 1980 Apr–Jun;61(2):8–11

[Toxic death: statistics of the French Poison Control Centers. French Group of Poison Control Centers]
Acta Med Leg Soc (Liege) 1980;30(3):55–63 **(Fre)**

[Cause of death by poisoning in Japan] Fukui Y.
Acta Med Leg Soc (Liege) 1980;30(3):49–53 **(Fre)**

[Toxic death: 1977 evaluation in Marseille and its surroundings] Gruny D, et al.
Acta Med Leg Soc (Liege) 1980;30(3):75–88 **(Fre)**

[Statistics of death by poisoning. Results of the Graz Institute of Forensic Medicine - Austria 1950–1975] Leinzinger EP.
Acta Med Leg Soc (Liege) 1980;30(3):43–8 **(Fre)**

[Death by poisoning. Statistics from the Porto Institute for Forensic Medicine - Portugal 1901–1978] Pinto da Costa J. **Acta Med Leg Soc (Liege)** 1980;30(3):65–74 **(Fre)**

[Mortality of acute poisoning in Tunisia. Evaluation of toxicological expertise performed from January 1976 to June 1979] Yacoub M, et al. **Acta Med Leg Soc (Liege)** 1980;30(3):96–107 **(Fre)**

[Qualitative and quantitative structure of fatal poisonings in 1977–1978] Rubtsov AF. **Sud Med Ekspert** 1981 Apr–Jun; 24(2):47–8 **(Rus)**

[Lethal colchicine intoxication (author's transl)] Fernández Valadez E, et al. **Rev Invest Clin** 1980 Jul–Sep; 32(3):299–302 (Eng. Abstr.) **(Spa)**

NURSING

The role of the nurse in the management of deliberate self-poisoning in the general hospital. Catalan J, et al.
Int J Nurs Stud 1980;17(4):275–82

OCCURRENCE

A statistical study of suicides through intoxication. Yamasawa K, et al. **Acta Med Leg Soc (Liege)** 1980;30(3):187–92

Acute poisoning in Barcelona, Spain. Camí J, et al.
Clin Toxicol 1980 Oct;17(3):421–8

Accidental poisoning in children. Bhandari B.
Indian Pediatr 1981 Mar;18(3):153–5

Accidental poisoning in children. Chatterjee B, et al.
Indian Pediatr 1981 Mar;18(3):157–62

Accidental poisoning in children: 10 years experience. Singh S, et al. **Indian Pediatr** 1981 Mar;18(3):163–6

Demographic characteristics of elderly drug overdose patients admitted to a hospital emergency department. Schernitski P, et al. **J Am Geriatr Soc** 1980 Dec; 28(12):544–6

Poisoning in childhood and adolescence: a study of 111 cases admitted to a military hospital. White LE, et al.
J Fam Pract 1980 Jul;11(1):27–31

Medically serious adult overdoses. Kathol RG.
J Iowa Med Soc 1980 Dec;70(12):516, 518, 520

Self-poisoning in a military community from 1976–1977. Johnston JH, et al. **J R Army Med Corps** 1980 Jun; 126(2):88–91

Self-poisoning: changing patterns in East Cheshire, 1970–1975. Frood RA. **J R Coll Gen Pract** 1980 May; 30(214):288–91

Areawide chemical contamination. Lessons from case histories. Miller RW. **JAMA** 1981 Apr 17;245(15):1548–51

Tabulations of 1978 case reports.
Natl Clgh Poison Control Cent Bull 1980 Oct;24(10):1–20

Accidental and self-induced poisoning. Thomson W, et al.
Public Health 1980 Nov;94(6):356–61

Experience with acute poisoning in an intensive care unit. A review of 103 cases. Kallenbach J, et al.
S Afr Med J 1981 Apr 18;59(17):587–9

Annual Report for 1977 of the Belfast Poisons Information Service. McMeekin C, et al. **Ulster Med J** 1979;48(1):91–5

Acute poisoning in Nigerians: a review of cases managed over a five-year period (1968–1972) at the University College Hospital, Ibadan, Nigeria. Onadeko BO, et al.
West Afr J Pharmacol Drug Res 1979;5(1):77–84

[An epidemiological study of poisoning in the Bloemfontein area] Weis O, et al. **S Afr Med J** 1981 Jul 4;60(1):24–6 (Eng. Abstr.) **(Afr)**

[Epidemiologic experiences in poisonings in children] Rechlin R, et al. **Z Aerztl Fortbild (Jena)** 1981 Jan 1; 75(1):36–40 **(Ger)**

[Accidental poisoning in children. Epidemiological study and their prevention] Vanelli M, et al.
Ateneo Parmense [Acta Biomed] 1980;51(5):415–20 **(Ita)**

[Clinical and statistical studies of accidental poisonings in childhood, made at the Pediatric Clinic of the University of Milan. Problems of prevention] Giovannini M, et al.
Minerva Pediatr 1979 Nov 30;31(22):1587–92 **(Ita)**

[Accidental poisoning in children treated in the Provincial Specialized Pediatric Hospital Poznań during the years 1973–1978] Błaszczyk E, et al. **Pediatr Pol** 1980; 55(10):1127–31 (Eng. Abstr.) **(Pol)**

[Acute poisoning in alcoholic intoxication and alcoholism] Jezierska A, et al. **Pol Tyg Lek** 1981 Jan 12;36(2):45–8 (Eng. Abstr.) **(Pol)**

[Incidence and deaths from acute poisonings among children and adults inhabitants of Krakow in 1977--1978 (author's transl)] Cholewa L, et al. **Przegl Lek** 1981;38(6):507–12 (Eng. Abstr.) **(Pol)**

[Accidental poisonings in children under eight years of age: epidemiology--social risks (author's transl)] Christen HJ, et al. **Przegl Lek** 1981;38(6):513–8 (Eng. Abstr.) **(Pol)**

[Epidemiologic aspects of accidental poisoning in children in Aragón (author's transl)] Armas H, et al.
An Esp Pediatr 1980 Sep;13(9):761–70 (Eng. Abstr.) **(Spa)**

[Acute poisonings in Barcelona. Epidemiology and therapeutic considerations (author's transl)] Camí J, et al.
Med Clin (Barc) 1980 Oct 25;75(7):287–91 (Eng. Abstr.) **(Spa)**

[Accidents and poisoning in pediatrics] Belloso J, et al.
Rev Med Univ Navarra 1979 Sep;23(3):17–26 **(Spa)**

PATHOLOGY

[Systematically performed microscopic anatomo-pathological studies in poisoning] Debarge A.
Acta Med Leg Soc (Liege) 1980;30(3):193–5 **(Fre)**

[Results of toxicological analyses at the time of medicolegal autopsies. Importance--interpretation problems] Rouzioux JM. **Acta Med Leg Soc (Liege)** 1980;30(3):25–42 **(Fre)**

[A case of death by oral poisoning with sodium nitrite] Shinomiya T, et al. **Acta Med Leg Soc (Liege)** 1980; 30(3):117–27 **(Fre)**

PHYSIOPATHOLOGY

[Poisoning in children] Hammersen G.
Med Monatsschr Pharm 1980 Jun;3(6):161–7 **(Ger)**

PREVENTION & CONTROL

Chloroquine poisoning: double barrier prevention [letter] Alexander WJ, et al. **Am J Public Health** 1981 Mar; 71(3):317

Teaching poison prevention to preschool children, their parents, and professional educators through child care centers. Krenzelok EP, et al. **Am J Public Health** 1981 Jul;71(7):750–2

Update on child-resistant packaging. Maisel GS.

Am Pharm 1980 Aug;20(8):12–3
National Poison Prevention Week, March 15–21, 1981. List of materials—1981. **Natl Cigh Poison Control Cent Bull** 1980 Dec;24(12):2–11
American Academy of Pediatrics: Committee on Accident and Poison Prevention. First aid for the choking child. **Pediatrics** 1981 May;67(5):744
Targeted intervention in the control of accidental drug overdoses by children. Palmisano PA.
Public Health Rep 1981 Mar–Apr;96(2):150–6
Readability and its application to poison prevention. Ross JW, et al. **Vet Hum Toxicol** 1981 Feb;23(1):29–32
[Iatrogenic poisoning in pediatrics] Bolland J, et al.
Rev Med Liege 1981 May;36(1):455–8 **(Fre)**
[Prevention of poisonings caused by technical liquids in a military unit] Umrikhin LA. **Voen Med Zh** 1980 Nov; (11):61–2 **(Rus)**

PSYCHOLOGY

Management of patients after self-poisoning [letter]
Br Med J 1980 Nov 15;281(6251):1347–8
Management of patients after self-poisoning [letter] Black D, et al. **Br Med J** 1980 Oct 25;281(6248):1141
A transcultural evaluation of 'self poisoning' in Sri Lanka. Chandrasena R. **Int J Soc Psychiatry** 1981 Summer; 27(2):119–23
'Overdose—will psychiatrist please see? [editorial] **Lancet** 1981 Jan 24;1(8213):195–6
Management of patients after self-poisoning [letter] Gardner R. **Lancet** 1981 Mar 28;1(8222):725
Attitudes of house-physicians towards self-poisoning patients. Creed FH, et al. **Med Educ** 1981 Sep;15(5):340–5
Comparison of doctors and nurses in the assessment of deliberate self-poisoning patients. Catalan J, et al.
Psychol Med 1980 Aug;10(3):483–91
Domiciliary and out-patient treatment of self-poisoning patients by medical and non-medical staff. Hawton K, et al. **Psychol Med** 1981 Feb;11(1):169–77
The role of shock predictability during aversive conditioning in producing psychosomatic digitalis toxicity. Natelson BH, et al. **Psychosom Med** 1981 Jun;43(3):191–7
[Psychiatric aspects of poisoning] Milčinski L.
Arh Hig Rada Toksikol 1981;31(4):323–31 (Eng. Abstr.) **(Scr)**

THERAPY

Self-poisoning patients in an intensive care unit. Oksa H, et al. **Ann Clin Res** 1981 Apr;13(2):96–101
Experience with fixed-bred charcoal haemoperfusion in the treatment of severe drug intoxication. Hampel G, et al. **Arch Toxicol** 1980 Jul;45(2):133–41
An economical hemoperfusion system to determine in vitro clearances of various poisons with different adsorbents. Okonek S, et al. **Arch Toxicol** 1980 Dec;46(3–4):215–20
Clinical experience with prolonged combined hemoperfusion–hemodialysis treatment of severe poisoning. De Broe ME, et al. **Artif Organs** 1981 Feb;5(1):59–66
Severe meprobamate intoxication treated by hemoperfusion over amberlite resin. Freund LG. **Artif Organs** 1981 Feb; 5(1):80–1
Emergencies in the home. Managing overdoses. Hines KC. **Br Med J [Clin Res]** 1981 Jul 4;283(6283):27–8
Clinical aspects of hemoperfusion for intoxication.
Clin Toxicol 1980;17(4):491–602
Clinical experience with ACAC coated charcoal hemoperfusion in acute intoxication. Chang TM.
Clin Toxicol 1980;17(4):529–42 (36 ref.)
Noninteractive emergency consultation for acute intoxication. Comstock EG. **Clin Toxicol** 1981 Feb; 18(2):133–40
Hemoperfusion for acute intoxications: con. Garella S, et al. **Clin Toxicol** 1980;17(4):515–27 (32 ref.)
Hemoperfusion in drug overdosage: a technique when conservative management is not sufficient. Gelfand MC, et al. **Clin Toxicol** 1980;17(4):583–602 (70 ref.)
Emergency induction of emesis using liquid detergent products: a report of 15 cases. Gieseker DR, et al.
Clin Toxicol 1981;18(3):277–82
Current status of hemoperfusion in toxicology. Rosenbaum JL, et al. **Clin Toxicol** 1980;17(4):493–500 (40 ref.)
Hemoperfusion in acute drug toxicity. Trafford A, et al.
Clin Toxicol 1980;17(4):547–56 (30 ref.)
How to treat and prevent drug toxicity. Tandberg D.
Geriatrics 1981 Feb;36(2):64–73
An innovative audit of overdose management in a general hospital. Boschulte JC, et al.
Hosp Community Psychiatry 1981 Jan;32(1):61–2
Management of the acute ingestion of poison in children. Merk PF, et al. **J Indiana State Med Assoc** 1981 Jan; 74(1):23–7
Hemoperfusion for acute drug intoxication. Rosenbaum JL. **Kidney Int [Suppl]** 1980 Sep;Suppl 10:106–8
Hospital management of severe poisoning. Kilham HA.
Pediatr Clin North Am 1980 Aug;27(3):603–12
Drug overdose under study: critique of a hospital audit of adverse effects of drugs used nontherapeutically. Buckingham WB, et al. **QRB** 1978;Special No:71–80, 86
Experience with acute poisoning in an intensive care unit. A review of 103 cases. Kallenbach J, et al.
S Afr Med J 1981 Apr 18;59(17):587–9
Getting syrup of ipecac into the home. King WD, et al.
Vet Hum Toxicol 1981 Feb;23(1):43
[Death by poisoning] Fournier E, et al.
Acta Med Leg Soc (Liege) 1980;30(3):11–23 **(Fre)**
[Digitalis poisoning treated by plasma exchange (letter)] Arsac P, et al. **Nouv Presse Med** 1980 Nov 1;9(41):3097 **(Fre)**
[Clinical aspects and course of severe poisoning with optalidon special] Brunn J, et al. **Intensivmed Prax** 1980; (2):15–7 **(Ger)**
[Indications, experiences and results of internal medical intensive care] Thimme W, et al. **Intensivmed Prax** 1979; (2):1–10 **(Ger)**
[Poisoning with pyrazole derivatives] von Mühlendahl KE, et al. **Intensivmed Prax** 1979;(2):47–50 **(Ger)**
[Toxicology and therapy of paracetamol poisoning] Pflüger KH. **Internist (Berlin)** 1980 Dec;21(12):735–8 **(Ger)**
[Specific therapy in poisonings] Wellhöner HH.
Med Monatsschr Pharm 1981 Jun;4(6):166–73 **(Ger)**
[Frequent intoxications and their treatment (editorial)] Holbro P. **Praxis** 1980 Oct 28;69(43):1557–60 **(Ger)**
[Hemoperfusion with activated charcoal in the treatment of drug overdose. Clinical experiences with 20 patients] Keusch-Beck M, et al. **Schweiz Med Wochenschr** 1980 Oct 25;110(43):1566–75 (Eng. Abstr.) **(Ger)**
[Hemoperfusion with activated carbon in the treatment of exogenous acute poisoning] Santamaria LB, et al.
Minerva Anestesiol 1981 Apr;47(4):185–92 (Eng. Abstr.) **(Ita)**
[Hemodialysis and hemoperfusion in the treatment of paraquat or diquat poisoning] Mastrangelo F, et al.
Minerva Nefrol 1979 Jul–Sep;26(3):399–403 (Eng. Abstr.) **(Ita)**
[Acute poisoning treated in intensive care (author's transl)] da Silva OA, et al. **AMB** 1980 Jan;26(1):4–6 (Eng. Abstr.) **(Por)**
[The use of peritoneal dialysis in the therapy of acute exogenous poisoning] Halilbašić A, et al.
Arh Hig Rada Toksikol 1980;31(3):247–9 (Eng. Abstr.) **(Scr)**
[Efficiency of induced vomiting in the removal of swallowed poisons] Kušić R. **Vojnosanit Pregl** 1980 Nov–Dec; 37(6):461–4 **(Scr)**

URINE

Use of a drug-screening service in an inner-city teaching hospital. Bury RW, et al. **Med J Aust** 1981 Feb 7;1(3):132–3

VETERINARY

Investigation on the cause of a fish-kill (Epinephelus) in the Kisamos Gulf, Crete. Kilikidis SD, et al.
Bull Environ Contam Toxicol 1981 Apr;26(4):453–60
[Bird mortality and monitoring the environment (author's transl)] Smit T. **Tijdschr Diergeneeskd** 1980 Sep 15; 105(18):787–91 (Eng. Abstr.) **(Dut)**
[A mouth full of poison (author's transl)] van Lieshout CG.
Tijdschr Diergeneeskd 1980 Sep 15;105(18):782–6 (Eng. Abstr.) **(Dut)**

POISONS

see related

TOXICOLOGY

A framework for unreasonable risk in the toxic substances control act (TSCA). Page T. **Ann NY Acad Sci** 1981; 363:145–66
National Poisons Information Services: report and comment 1980. Volans GN, et al. **Br Med J [Clin Res]** 1981 May 16;282(6276):1613–5

ANALYSIS

[Death by poisoning. Introduction] Roche L.
Acta Med Leg Soc (Liege) 1980;30(3):9–10 **(Fre)**
[Poison suspicion and poison finding in chemical-toxicological emergency analyses (letter)] Lenz K, et al. **Dtsch Med Wochenschr** 1980 Jun 27;105(26):938 **(Ger)**
[Generic chemico-toxicological research in forensic toxicology] Marozzi E, et al. **Farmaco [Prat]** 1980 Oct; 35(10):473–96 (Eng. Abstr.) **(Ita)**

BLOOD

An economical hemoperfusion system to determine in vitro clearances of various poisons with different adsorbents. Okonek S, et al. **Arch Toxicol** 1980 Dec;46(3–4):215–20

HISTORY

Felice Fontana on poisons. Knoefel PK. **Clio Med** 1980 Dec; 15(1–2):35–66
The history of the chemical detection of poisons. Campbell WA. **Med Hist** 1981 Apr;25(2):202–3
Moses Maimonides' treatise on poisons. Rosner F.
NY State J Med 1980 Sep;80(10):1627–30

METABOLISM

Whole body autoradiography in metabolic studies of drugs and toxicants. Rico AG, et al. **Adv Vet Sci Comp Med** 1980; 24:291–311 (140 ref.)

TOXICITY

[Calculation of the anticipated additive effect of the combined or complex action of poisons] Kopanev VA. **Gig Sanit** 1980 Jun;(6):59–61 **(Rus)**
[So-called specific and nonspecific action of industrial poisons] Zislin DM. **Gig Tr Prof Zabol** 1981 Mar;(3):30–3 (Eng. Abstr.) **(Rus)**

POISSON DISTRIBUTION see **PROBABILITY**

POKEWEED LECTINS see **POKEWEED MITOGENS**

POKEWEED MITOGENS

IMMUNOLOGY

Soluble suppressor factor produced by pokeweek mitogen-stimulated human peripheral blood leukocytes. Hofman F, et al. **Cell Immunol** 1980 Sep 15;55(1):20–31
Antigen-induced suppression of human in vitro pokeweed mitogen-stimulated antibody production. Stevens RH, et al. **Cell Immunol** 1980 Sep 15;55(1):85–93
Human alloimmune sera against T cell subsets. Detection and influence on pokeweed mitogen-stimulated Ig production in vitro. van Leeuwen A, et al. **J Exp Med** 1980 Aug 1;152(2 Pt 2):235s–242s

PHARMACODYNAMICS

Improvement in peripheral blood lymphocyte response to concanavalin A and pokeweed mitogen during gold treatment of rheumatoid arthritis. Highton J, et al.
Agents Actions 1980 Dec;10(6):507–8
Involvement of calcium in mitogenic and immunoglobulin responses in bovine lymphocytes. Atluru D, et al.
Am J Vet Res 1980 Aug;41(8):1319–22
Effects of insulin on phytohemagglutinin-P, concanavalin-A, and pokeweed mitogen in diabetic and nondiabetic lymphocytes. Glassman AB, et al. **Ann Clin Lab Sci** 1981 Jan–Feb;11(1):9–14
Immune profile of infectious bursal disease (IBD). II. Effect of IBD virus on pokeweed-mitogen-stimulated peripheral blood lymphocytes of chickens. Sivanandan V, et al.
Avian Dis 1980 Jul–Sep;24(3):734–42
Suppressor T cells activated by lymphoblastoid cell lines inhibit pokeweed mitogen-induced immunoglobulin synthesis. Tsukuda K, et al. **Cell Immunol** 1981 May 1; 60(1):191–202
Polyclonal mitogenesis of human lymphocytes by PWM: two preprogrammed division cycles resulting in cells refractile to further mitogenesis. Yen A, et al. **Cell Immunol** 1981 Jan 15;57(2):440–54
Uncoupling lymphocyte proliferation from differentiation: dissimilar dose-response relations for pokeweed mitogen-induced proliferation and differentiation of normal human lymphocytes. Yen A, et al. **Cell Immunol** 1981 Jul 1;61(2):332–42
Imbalance of T-cell subpopulations and defective pokeweed mitogen-induced B-cell differentiation after bone marrow transplantation in man. Bacigalupo A, et al.
Clin Immunol Immunopathol 1981 Aug;20(2):137–45
Induction of polyclonal immunoglobulin synthesis in porcine peripheral blood lymphocytes by pokeweek mitogen. Scheffel JW, et al. **Dev Comp Immunol** 1981 Spring; 5(2):313–20
Functional studies of lymph nodes infiltrated by non-Hodgkin's lymphoma. Al-Irhayim B.
Diagn Histopathol 1981 Apr–Jun;4(2):137–48
Suppression of mitogen-induced peripheral B cell differentiation by soluble Fc gamma receptors released from lymphocytes. Lêthibichthuy, et al. **Eur J Immunol** 1980 Nov;10(11):894–8
Helper T-cell-replacing factors and T-cell-growth factors produced by concanavalin A-stimulated and pokeweed mitogen-stimulated mouse spleen cells. Frey JR, et al.
Exp Cell Biol 1981;49(3):125–31
Pokeweed mitogen inhibition of protein synthesis in cultured lymphoblastoid lines. Polin RA, et al. **In Vitro** 1980 Jul; 16(7):575–80
Isotype-specific human B lymphocytes that produce immunoglobulin E in vitro when stimulated by pokeweed mitogen. Saxon A, et al. **J Allergy Clin Immunol** 1980 Sep; 66(3):233–41
A hemopoietic cell line dependent upon a factor in pokeweed mitogen-stimulated spleen cell conditioning medium. Hasthorpe S. **J Cell Physiol** 1980 Nov;105(2):379–84
Human B lymphocyte subsets. I. IgG-bearing B cell response to pokeweed mitogen. Ault KA, et al. **J Exp Med** 1981 Feb 1;153(2):339–51
Human B cell activation in vitro: augmentation and suppression by monocytes of the immunoglobulin production induced by various B cell stimulants. Gmelig-Meyling F, et al. **J Immunol** 1981 Feb; 126(2):529–37
Mode of action of humoral suppressor factor derived from pokeweed mitogen-stimulated cord T cells of adult B cell differentiation. Miyawaki T, et al. **J Immunol** 1981 Jan; 126(1):282–5
Determination of IgG subclasses and Gm allotypes in culture supernatants of pokeweed mitogen-stimulated human blood lymphocytes. Morell A, et al. **J Immunol** 1981 Sep; 127(3):1099–102

Suppression of B cell differentiation by dialyzable humoral factors derived from pokeweed mitogen-stimulated cord T cells. Nagaoki T, et al. **J Immunol** 1980 Oct;125(4):1563–8

The role of monocytes in pokeweed mitogen-stimulated human B cell activation: separate requirements for intact monocytes and a soluble monocyte factor. Rosenberg SA, et al. **J Immunol** 1981 Apr;126(4):1341–5

Immunoglobulin-bearing cells are a target for the antigen-induced inhibition of pokeweed mitogen-stimulated antibody production. Stevens RH. **J Immunol** 1981 Sep;127(3):968–72

Cellular requirements for pokeweed mitogen-induced autoantibody production rheumatoid arthritis. Tsoukas CD, et al. **J Immunol** 1980 Sep;125(3):1125–9

Human IgE antibody synthesis in vitro: stimulation of IgE responses by pokeweed mitogen and selective inhibition of such responses by human suppressive factor of allergy (SFA). Zuraw BL, et al. **J Immunol** 1981 Sep; 127(3):1169–77

Human lymphocyte colony formation: a comparison of stimulation with intact staphylococcus, staph, protein A, pokeweed mitogen and phytohemagglutinin. Farcet JP, et al. **Thymus** 1980 Jan;1(4–5):265–79

POLAR RECOMBINATION see **GENE CONVERSION**

POLAR REGIONS see **COLD CLIMATE**

POLARITY OF TRANSLATION see under **TRANSLATION, GENETIC**

POLAROGRAPHY

[Preliminary report on application of urinary polarography for tumors of the urinary tract (author's transl)] Cai BJ. **Chung Hua Wai Ko Tsa Chih** 1979;17(6):439–42 **(Chi)**

[Polarography of 1,4-benzodiazepines] Zimák J, et al. **Cesk Farm** 1980 Dec;29(10):353–62 (Eng. Abstr.) **(Cze)**

[Reaction of alcohols with palladium chloride] Stupar I, et al. **Vojnosanit Pregl** 1981 Jan–Feb;38(1):34–6 **(Scr)**

[Polarographic index of cerebrospinal fluid of focal ischemia of the brain, brain tumors, arteriosclerosis, and hypertensive diseases] Bartko D, et al. **Cesk Neurol Neurochir** 1980 Sep; 43(5):334–40 (Eng. Abstr.) **(Slo)**

INSTRUMENTATION

Intravascular oxygen monitoring with a polarographic oxygen cathode. Hagihara B, et al. **J Biomed Eng** 1981 Jan;3(1):9–16

Modification of electrochemical determination of oxygen tension in organs. Zima M. **Sb Ved Pr Lek Fak Univ Karlovy** 1980;23(4):557–65

[Method for the multichannel polarography of the oxygen in biological objects] Enokian SG. **Fiziol Zh** 1980 Sep–Oct; 26(5):703–5 **(Rus)**

[Use of platinum electrodes in polarography] Grivtsev BA. **Lab Delo** 1981;(7):446 **(Rus)**

METHODS

Differential pulse-polarographic analysis of tobacco mosaic virus. Ruttkay-Nedecký G, et al. **Acta Virol (Praha)** 1980 May;24(3):175–82

Polarographic assay of iontophoretically applied dopamine and low-noise unit recording using a multibarrel carbon fibre microelectrode. Millar J, et al. **Brain Res** 1981 Feb 2;205(2):419–424

A method of measuring the partial pressure of oxygen in the skin. Yas'kov EN, et al. **Hum Physiol** 1979 Nov–Dec; 5(5):847–9

[Comparative evaluation of photometric, spectrophotometric and polarographic methods of determining celanide] Tsukanov IuV, et al. **Farmatsiia** 1980 May–Jun;29(3):43–5 **(Rus)**

[Square-wave polarography of semi-synthetic penicillins] Faith L. **Cesk Farm** 1980 May;29(3–4):67–72 (Eng. Abstr.) **(Slo)**

POLARON see **GENE CONVERSION**

POLICY MAKING

see related
HEALTH POLICY
PUBLIC POLICY

Nuclear energy: The accuracy of policy makers' perceptions of public beliefs. Thomas K, et al. **Behav Sci** 1980 Sep; 25(5):332–44

Regulations: the rules of the game. Dunn J. **Forum** 1980 Oct; 4(4):18–24

Trustees take leadership role in community health policymaking. Molberg LM. **Hospitals** 1981 Aug 16; 55(16):103, 105, 107 passim

The role of constituency groups in policy formulation: items for a health services research agenda. Smith DB, et al. **J Med Syst** 1981;5(1–2):47–57

Policy implications for dental education. Hershey HG. **J Public Health Dent** 1981 Winter;41(1):41–3

Policy implications for dental public health. Pearson EA Jr. **J Public Health Dent** 1981 Winter;41(1):46–7

Policy implications for dental research. White RP. **J Public Health Dent** 1981 Winter;41(1):43–4

The 70-minute hour: health administration in the nation's capital. Pardes H. **Pharos** 1981 Spring;44(2):2–8

WHO's program of health for all by the year 2000: a macrosystem for health policy making--a challenge to social science research. Bryant JH. **Soc Sci Med [Med Psychol Med Sociol]** 1980 Oct; 14A(5):381–6

A critique of John H. Bryant's paper. Mburu FM. **Soc Sci Med [Med Psychol Med Sociol]** 1980 Oct; 14A(5):387–9

[Departmental plan for research at the Czechoslovak Ministry of Health and Education for 1981 to 1985] Houštěk AJ, et al. **Cas Lek Cesk** 1981 Apr 9;120(14):407–11 **(Cze)**

[Activities of the Scientific Council of the Czechoslovak Ministry of Health during 1980] Pudlák P. **Cas Lek Cesk** 1981 Apr 9;120(14):401–6 **(Cze)**

POLIOMYELITIS

COMPLICATIONS

Prevalence of residual paralysis from paralytic poliomyelitis in a rural population of Bangladesh. Snyder JD, et al. **Am J Trop Med Hyg** 1981 Mar;30(2):426–30

Thoracic outlet syndrome secondary to childhood poliomyelitis. Knuckey NW, et al. **Clin Exp Neurol** 1979; 16:27–30

Perthes' disease after poliomyelitis. Recognition and management of aseptic capital femoral necrosis. Guillozet N. **Clin Pediatr (Phila)** 1981 Jan;20(1):19–23

Surgical treatment of scoliosis following poliomyelitis. A review of one hundred and ten cases. Leong JC, et al. **J Bone Joint Surg [Am]** 1981 Jun;63A(5):726–40

Pattern of muscle paralysis in poliomyelitis in Nigerians. Oyemade GA. **J Trop Pediatr** 1981 Feb;27(1):36–8

[Pregnancy in severe condition, following poliomyelitis (author's transl)] Schmidt W, et al. **Zentralbl Gynaekol** 1981;103(2):82–5 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Poliomyelitis-type illness associated with severe asthma in a child. Liebeschuetz HJ. **J R Soc Med** 1981 Jan;74(1):71–2

[Differential diagnosis problems during the 1978 polio epidemic] te Gussinklo JT, et al. **Ned Tijdschr Geneeskd** 1981 Jun 6;125(23):917–9 (Eng. Abstr.) **(Dut)**

DRUG THERAPY

[Effective antiviral treatment of chronic poliomyelitis in adults] Lobzin VS, et al. **Sov Med** 1981;(3):104–8 **(Rus)**

[Antimutagenic effectiveness of pyrimidine derivatives in lesions of the bone marrow cell chromosome apparatus in mice infected with measles or poliomyelitis viruses] Il'inskikh NN. **Tsitol Genet** 1980 Nov–Dec;14(6):14–9 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Vaccine-associated poliomyelitis in an infant with agammaglobulinemia. Sankano T, et al. **Acta Paediatr Scand** 1980 Jul;69(4):549–51

Markers of poliovirus strains isolated from cases temporally associated with the use of live poliovirus vaccine: report on a W.H.O. collaborative study. **J Biol Stand** 1981; 9(2):163–84

Spongiform polioencephalomyelopathy caused by a murine retrovirus. I. Pathogenesis of infection in newborn mice. Brooks BR, et al. **Lab Invest** 1980 Nov;43(5):480–6

IMMUNOLOGY

Poliomyelitis in Rio de Janeiro during the period of 1970 to 1974. II. Survey of neutralizing antibodies. Von Hubinger MG, et al. **An Microbiol (Rio De J)** 1978;23:19–33

Immunity to poliovirus in a junior high school population in Palermo. Natoli D, et al. **Ann Sclavo** 1980 Jul–Aug; 22(4):633–9

A better system for polio vaccination in developing countries? [letter] Ehrengut W. **Br Med J** 1980 Oct 11; 281(6246):1004

A serological evaluation of an immunization programme in Salt Cay, Turks, and Caicos Islands. Morgan P, et al. **West Indian Med J** 1981 Jun;30(2):68–71

[Mali children antipoliomyelitic immunity before and after two oral immunizations against poliomyelitis (author's transl)] Fofana Y, et al. **Med Trop (Mars)** 1981 Mar–Apr; 41(2):151–5 (Eng. Abstr.) **(Fre)**

[Polio immunity in North African children hospitalized for paralytic poliomyelitis due to type 1: relative deficiency in humoral immunity compared with European children (author's transl)] Gaudin OG, et al. **Rev Epidemiol Sante Publique** 1980 Oct 30;28(3):291–8 (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

Strain characterization studies of poliovirus type I isolates from poliomyelitis cases in the United States in 1979. Hatch MH, et al. **Dev Biol Stand** 1981;47:307–15

Excretion of polioviruses in the faeces of healthy children of Ahmedabad up to 3 years of age. Goel RK, et al. **Indian Pediatr** 1980 Oct;17(10):809–14

OCCURRENCE

The epidemiology of poliomyelitis: enigmas surrounding its appearance, epidemicity, and disappearance. Nathanson N, et al. **Am J Epidemiol** 1979 Dec;110(6):672–92 (75 ref.)

Poliomyelitis in Rio de Janeiro during the period of 1970 to 1974. I. Virological and epidemiological aspects. Von Hubinger MG, et al. **An Microbiol (Rio De J)** 1978;23:35–50

Poliomyelitis worldwide [editorial] **Br Med J** 1980 Jun 28; 280(6231):1555–6

Poliomyelitis in the Americas, 1979. **Bull Pan Am Health Organ** 1980;14(4):402–4

Clinical survey techniques to estimate prevalence and annual incidence of poliomyelitis in developing countries. LaForce FM, et al. **Bull WHO** 1980;58(4):609–20

Reassessment of the place of inactivated poliomyelitis vaccine in national immunization programmes. Assaad F. **Dev Biol Stand** 1981;47:275–82

Poliomyelitis in the Netherlands. Bijkerk H. **Dev Biol Stand** 1981;47:233–40

Experiences of vaccination with inactivated poliovirus vaccine in Sweden. Böttiger M. **Dev Biol Stand** 1981; 47:227–32

The epidemiology of poliomyelitis in Burma. Schonberger LB, et al. **Dev Biol Stand** 1981;47:283–92

A study of incidence of paralytic poliomyelitis in Bhopal: agglomeration from 1972–78. Bose C, et al. **Indian J Public Health** 1981 Jan–Mar;25(1):20–3

An outbreak of poliomyelitis in Allahabad. Saeed A, et al. **Indian Pediatr** 1980 Sep;17(9):757–61

[In its current state vaccination against poliomyelitis does not prevent the poliovirus from spreading among our population. Conclusions of a retrospective study on the distribution of poliovirus among hospitalized patients in the Liège area between 1 September 1959 and 31 December 1978] Reginster M. **Bull Mem Acad R Med Belg** 1980 Sep 27;135(8):506–21 (Eng. Abstr.) **(Fre)**

[Case of poliomyelitis in the period of systematic vaccinations against this disease] Lutyński R, et al. **Wiad Lek** 1980 Oct 1;33(19):1595–8 (Eng. Abstr.) **(Pol)**

[Epidemiological field study of a poliomyelitis outbreak occurring in the state of Coahuila in 1977] Mougrabi Mizrahi M, et al. **SPM** 1980 Jan–Feb;22(1):39–44 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Motor neuron disease following poliomyelitis. Bioptic study of five cases. Palmucci L, et al. **Eur Neurol** 1980;19(6):414–8

[Electron microscopic study on muscle spindles in poliomyelitis (author's transl)] Nukaga K. **Nippon Seikeigeka Gakkai Zasshi** 1980 Nov;54(11):1513–27 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Electromyographic findings in patients after recovery from peripheral nerve lesions and poliomyelitis. Lütschg J, et al. **J Neurol** 1981;225(1):25–32

PREVENTION & CONTROL

A better system for polio vaccination in developing countries? John TJ, et al. **Br Med J** 1980 Aug 23; 281(6239):542

Poliomyelitis worldwide [letter] Wyatt HV. **Br Med J** 1980 Aug 30;281(6240):616

Poliomyelitis worldwide [letter] Wyatt HV. **Br Med J** 1980 Dec 6;281(6254):1564–5

Studies on new attenuated strains of type III live poliomyelitis vaccine. II. Field trials of Zhong III2 virus. **Chin Med J [Engl]** 1980 Sep;93(9):591–8

Experience of vaccination with inactivated poliomyelitis vaccines in Iceland. Gudnadóttir M. **Dev Biol Stand** 1981; 47:257–9

Experiences with polio vaccination and herd immunity in Finland. Lapinleimu K, et al. **Dev Biol Stand** 1981;47:241–6

Combined use of live and killed vaccines to control poliomyelitis in tropical areas. Melnick JL. **Dev Biol Stand** 1981;47:265–73

Theoretical and practical considerations in the application of killed poliovirus vaccine for the control of paralytic poliomyelitis. Salk J, et al. **Dev Biol Stand** 1981;47:181–98

A controlled trial with inactivated poliovaccine. Swartz TA, et al. **Dev Biol Stand** 1981;47:199–206

Oral polio vaccination and factors affecting its efficacy. Idris MZ, et al. **Indian J Med Res** 1980 May;71:671–8

Vaccination against poliomyelitis with inactivated vaccine beginning at 3, 4 and 9 months of age: a comparative study. Böttiger M, et al. **J Biol Stand** 1980;8(4):255–61

Poliomyelitis immunization in adults [editorial] Pollock TM. **J R Soc Med** 1979 Mar;72(3):167

Problems in eradicating poliomyelitis from South Africa. Carmichael TR, et al. **S Afr Med J** 1981 Mar 14; 59(11):374–6

[Properties of poliovirus detected in waste waters in the administration of nonhomogeneous vaccine (author's transl)] Matyášová I, et al. **Cesk Epidemiol Mikrobiol Imunol** 1981 Jan;30(1):49–55 (Eng. Abstr.) **(Cze)**

[Revaccination by oral monovalent poliovaccine type 3 (author's transl)] Srámová H, et al. **Cesk Epidemiol Mikrobiol Imunol** 1981 Mar;30(2):95–100 (Eng. Abstr.) **(Cze)**

[Vaccination complications (a case of vaccine-contact-poliomyelitis)] Vogel C. **Kinderaerztl Prax** 1980 Jun;48(6):296–9 (Eng. Abstr.) **(Ger)**

[Final note on G. Joppich's comment to 'Poliomyelitis oral vaccination and convulsions' (letter)] Ehrengut W, et al. **Klin Paediatr** 1980 Jul;192(4):395–7 **(Ger)**

[Oral vaccination against poliomyelitis and convulsions (author's transl) (letter)] Joppich G. **Klin Paediatr** 1980 Jul; 192(4):393–4 **(Ger)**

[Poliomyelitis vaccination in infants in the canton of St. Gall] Gschwend K, et al. **Soz Praeventivmed** 1980 Sep; 25(4):213–4 (Eng. Abstr.) **(Ger)**

[The policy of immunization against poliomyelitis] Michaeli D. **Harefuah** 1981 Jan 15;100(2):93–4 **(Heb)**

[Prospects in the field of the antipolio vaccination (author's transl)] Focà A. **Ann Sclavo** 1980 Jan–Feb;22(1):22–6 (10 ref.) (Eng. Abstr.) **(Ita)**

[Important aspects for the epidemiological surveillance of poliomyelitis in São Paulo, Brazil] Barbosa V, et al. **Rev Saude Publica** 1980 Dec;14(4):557–68 (Eng. Abstr.) **(Por)**

[Results of vaccinating children against poliomyelitis according to the epidemic indices in the Dagestan ASSR in 1978] Boĭko VM, et al. **Vopr Virusol** 1980 Jul–Aug; (4):479–80 **(Rus)**

[Advantages and disadvantages of antipoliomyelitis vaccines prepared with live and killed viruses] Melnick JL. **Bol Of Sanit Panam** 1980 Jun;88(6):507–29 (Eng. Abstr.) **(Spa)**

TRANSMISSION

Herd effect and virus eradication with use of killed poliovirus vaccine. Salk D. **Dev Biol Stand** 1981;47:247–55

[Acute anterior poliomyelitis acquired in foreign countries. 2 cases (letter)] Goulon M, et al. **Nouv Presse Med** 1980 Nov 8;9(42):3185 **(Fre)**

VETERINARY

Non-suppurative encephalomyelitis in cats suggestive of a viral origin. Hoff EJ, et al. **Vet Pathol** 1981 Mar; 18(2):170–80

POLIOVIRUS

Prolonged intracerebral infection with poliovirus in asymptomatic mice. Miller JR. **Ann Neurol** 1981 Jun; 9(6):590–6

Virus removal during groundwater recharge: effects of infiltration rate on adsorption of poliovirus to soil. Vaughn JM, et al. **Appl Environ Microbiol** 1981 Jan;41(1):139–47

Poliovirus type 3 keratoconjunctivitis. Kašová V, et al. **J Infect Dis** 1980 Aug;142(2):292

Amyotrophic lateral sclerosis: search for poliovirus by nucleic acid hybridization. Miller JR, et al. **Neurology (NY)** 1980 Aug;30(8):884–6

Effects of chaotropic and antichaotropic agents on elution of poliovirus adsorbed on membrane filters. Farrah SR, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):1229–32

Classics in infectious diseases. The cultivation of the poliomyelitis viruses in tissue culture by John F. Enders, Frederick C. Robbins, and Thomas H. Weller. Enders JF, et al. **Rev Infect Dis** 1980 May–Jun;2(3):493–504 (33 ref.)

ANALYSIS

Sensitive and rapid analysis of T1-ribonuclease-resistant oligonucleotides in two-dimensional fingerprinting gels of poliovirus type I genomic RNA. Stewart ML, et al. **Anal Biochem** 1981 Mar 1;111(2):203–11

A technique to detect the reaction between poliovirus structural polypeptides and neutralizing anti-polio IgG. Blondel B, et al. **Dev Biol Stand** 1981;47:335–7

Control on the absence of DEAE-polysaccharides in DEAE-sephadex purified poliovirus suspensions by pyrolysis mass spectrometry. Windig W, et al. **Dev Biol Stand** 1981;47:169–77

Quantitation of cell DNA in the evaluation of heteroploid cells as substrate for the preparation of killed viral vaccines. Crainic R, et al. **Intervirology** 1980;14(5–6):300–9

Poliovirus-specific polypeptides in infected HeLa cells analysed by isoelectric focusing and 2D-analysis. Wiegers KJ, et al. **J Gen Virol** 1981 Jan;52(Pt 1):61–9

Heterogeneity of the 3' end of minus-strand RNA in the poliovirus replicative form. Richards OC, et al. **J Virol** 1980 Nov;36(2):387–94

Two forms of VPg on poliovirus RNAs. Richards OC, et al. **J Virol** 1981 Jun;38(3):863–71

Viral polypeptides associated with the RNA replication complex in poliovirus-infected cells. Etchison D, et al. **Virology** 1980 Nov;107(1):135–42

CLASSIFICATION

Strain characterization studies of poliovirus type I isolates from poliomyelitis cases in the United States in 1979. Hatch MH, et al. **Dev Biol Stand** 1981;47:307–15

Epidemiological implications of the isolations and intratypic serodifferentiation of poliovirus strains in the Netherlands. Kapsenberg JG, et al. **Dev Biol Stand** 1981;47:293–301

A competitive radioimmunoassay for the differentiation of poliovirus subtypes. Talbot P. **Dev Biol Stand** 1981;47:303–6

Markers of poliovirus strains isolated from cases temporally associated with the use of live poliovirus vaccine: report on a W.H.O. collaborative study. **J Biol Stand** 1981; 9(2):163–84

DRUG EFFECTS

Inactivation of poliovirus and other enteroviruses by solutions of sodium fluoride at low pH. Eubanks RD, et al. **Appl Environ Microbiol** 1981 Mar;41(3):686–9

Mechanism of enteroviral inactivation by ozone. Roy D, et al. **Appl Environ Microbiol** 1981 Mar;41(3):718–23

Chlorine resistance of poliovirus isolants recovered from drinking water. Shaffer PT, et al. **Appl Environ Microbiol** 1980 Dec;40(6):1115–21

Inactivation of poliovirus I (Brunhilde) single particles by chlorine in water. Sharp DG, et al. **Appl Environ Microbiol** 1980 Aug;40(2):381–5

Effect of arildone on modifications of poliovirus in vitro. Caliguiri LA, et al. **Virology** 1980 Aug;105(1):86–93

[Comparative study of the sterilizing action of chlorine-active disinfectants against the viral and bacterial microflora of sewage] Girin VN, et al. **Gig Sanit** 1981 Mar; (3):7–9 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Identification of poliovirus polypeptide P63 as a soluble RNA-dependent RNA polymerase. Van Dyke TA, et al. **J Virol** 1980 Sep;35(3):732–40

GENETICS

Structure and expression of the picornavirus genome. Kitamura N, et al. **Ann NY Acad Sci** 1980;354:183–201 (82 ref.)

The production of viral RNA inactivator(s) from the interaction of dihydric and trihydric phenols with cupric ion. Dubes GR, et al. **Biochim Biophys Acta** 1981 Apr 27; 653(2):219–25

The genome-linked protein of picornaviruses. VII. Genetic mapping of poliovirus VPg by protein and RNA sequence studies. Kitamura N, et al. **Cell** 1980 Aug;21(1):295–302

Biochemical evidence for intertypic genetic recombination of polioviruses. Romanova LI, et al. **FEBS Lett** 1980 Aug 25;118(1):109–12

In vitro translation in reovirus- and poliovirus-infected cell extracts. Effects of anti-cap binding protein monoclonal antibody. Sonenberg N, et al. **J Biol Chem** 1981 May 10; 256(9):4138–41

Two forms of purified m7G-cap binding protein with different effects on capped mRNA translation in extracts of uninfected and poliovirus-infected HeLa cells. Tahara SM, et al. **J Biol Chem** 1981 Aug 10;256(15):7691–4

Shutoff of HeLa cell protein synthesis by encephalomyocarditis virus and poliovirus: a comparative study. Jen G, et al. **J Virol** 1980 Jul;35(1):150–6

Stable hairpin structure within the 5'-terminal 85 nucleotides of poliovirus RNA. Larsen GR, et al. **J Virol** 1981 Jan; 37(1):328–35

Protein-linked RNA of poliovirus is competent to form an initiation complex of translation in vitro. Golini F, et al. **Nature** 1980 Oct 16;287(5783):600–3

Primary structure, gene organization and polypeptide expression of poliovirus RNA. Kitamura N, et al. **Nature** 1981 Jun 18;291(5816):547–53

The structure of poliovirus replicative form. Larsen GR, et al. **Nucleic Acids Res** 1980 Mar 25;8(6):1217–29

Sequence of 1060 3'-terminal nucleotides of poliovirus RNA as determined by a modification of the dideoxynucleotide method. Kitamura N, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3196–200

Poliovirus replication proteins: RNA sequence encoding P3-1b and the sites of proteolytic processing. Semler BL, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3464–8

Ribosomal binding sites on poliovirus RNA. McClain K, et al. **Virology** 1981 Aug;113(1):150–67

Comparative sequence analysis of the 5'terminal noncoding regions of poliovirus vaccine strain Sabin 1, Sabin 2, and Sabin 3 genomes. Nomoto A, et al. **Virology** 1981 Aug; 113(1):54–63

Identification of point mutations in the genome of the poliovirus Sabin vaccine LSc 2ab, and catalogue of RNase T1- and RNase A-resistant oligonucleotides of poliovirus type 1 (Mahoney) RNA. Nomoto A, et al. **Virology** 1981 Jul 15;112(1):217–27

Molecular variation of type 1 vaccine-related and wild polioviruses during replication in humans. Nottay BK, et al. **Virology** 1981 Jan 30;108(2):405–23

GROWTH & DEVELOPMENT

Uptake and survival of enteric viruses in the blue crab, Callinectes sapidus. Hejkal TW, et al. **Appl Environ Microbiol** 1981 Jan;41(1):207–11

Thermostabilization of enteroviruses by estuarine sediment. Liew PF, et al. **Appl Environ Microbiol** 1980 Aug; 40(2):305–8

Protein phosphorylations in poliovirus infected cells. James LA, et al. **Can J Microbiol** 1981 Jan;27(1):28–35

Cell substrate for killed poliovaccine production. Beale AJ. **Dev Biol Stand** 1981;47:19–23

Monkey kidney cell growth optimization and poliovirus propagation in microcarrier culture. Mered B, et al. **Dev Biol Stand** 1981;47:41–53

Present state and developments in the production of inactivated poliomyelitis vaccine. van Wezel AL. **Dev Biol Stand** 1981;47:7–13

Serially subcultivated cells as substrates for poliovirus production for vaccine. von Seefried A, et al. **Dev Biol Stand** 1981;47:25–33

Propagation of poliovirus in microcarrier cultures of three monkey kidney cell lines. Mered B, et al. **J Biol Stand** 1981;9(2):137–45

Survival of polioviruses and echoviruses in Acanthamoeba castellanii cultivated in vitro. Daneš L, et al. **J Hyg Epidemiol Microbiol Immunol** 1981;25(2):169–74

Presence of the cap-binding protein in initiation factor preparations from poliovirus-infected HeLa cells. Hansen J, et al. **J Virol** 1981 May;38(2):438–45

IMMUNOLOGY

Modified radial-plaque-neutralization test for demonstration of enterovirus neutralizing antibodies. Nagy G, et al. **Arch Virol** 1980;65(2):89–98

Poliomyelitis serosurveillance in adolescent population [letter] Arya SC. **Br Med J [Clin Res]** 1981 Aug 22; 283(6290):558–9

Antigenic structure of poliovirus. Dernick R. **Dev Biol Stand** 1981;47:319–33

Inactivation of poliovirus. Hennessen W. **Dev Biol Stand** 1981;47:139–42

Potency test of killed polio vaccines. Statistical analysis of test on chicken and preliminary results in combination with ELISA D-antigen determinations. Larbaigt G, et al. **Dev Biol Stand** 1981;47:113–8

Antigenic potency of inactivated poliovirus vaccines. Moynihan M, et al. **Dev Biol Stand** 1981;47:129–33

Herd effect and virus eradication with use of killed poliovirus vaccine. Salk D. **Dev Biol Stand** 1981;47:247–55

Characteristics of single-radial-diffusion and autoradiographic zone size enhancement (ZE) techniques for poliovirus antigens. Schild GC, et al. **Dev Biol Stand** 1981;47:77–85

The epidemiology of poliomyelitis in Burma. Schonberger LB, et al. **Dev Biol Stand** 1981;47:283–92

A solid phase radioimmunoassay for poliovirus D-antigen. Talbot P. **Dev Biol Stand** 1981;47:87–90

D-antigen determination in polio vaccine production: comparison of gel diffusion and ELISA methods. van der Marel P, et al. **Dev Biol Stand** 1981;47:101–8

Potency testing of killed polio vaccine in rats. van Steenis G, et al. **Dev Biol Stand** 1981;47:119–28

Comparisons of poliovirus antigen measurements in vitro and in small animals. von Seefried A, et al. **Dev Biol Stand** 1981;47:91–100

Passage of poliovirus antibodies across the placental barrier. Mukherjee P, et al. **Indian J Med Res** 1980 Jun;71:840–6

The preparation of specific immune sera against type 3 poliovirus D-antigen and C-antigen and the demonstration of two C-antigenic components in vaccine strain populations. Minor PD, et al. **J Gen Virol** 1980 Nov;51(Pt 1):147–56

Immunoassay of poliovirus antigens by single-radial-diffusion: development and characteristics of a sensitive autoradiographic zone size enhancement (ZE) technique. Schild GC, et al. **J Gen Virol** 1980 Nov;51(Pt 1):157–70

Prevalence of poliovirus neutralizing antibodies in young adult women. Mayer TR, et al. **JAMA** 1981 Sep 11; 246(11):1207–9

Isolation of antigenic mutants of type 1 poliovirus: growing the virus in the presence of homologous antiserum. Hashimoto N. **Jpn J Vet Res** 1980 Apr;28(1–2):19–30

Identification of poliovirus precursor proteins by immunoprecipitation. Vrijsen R, et al. **Virology** 1980 Dec; 107(2):567–9

[Revaccination by oral monovalent poliovaccine type 3 (author's transl)] Srámová H, et al. **Cesk Epidemiol Mikrobiol Imunol** 1981 Mar;30(2):95–100 (Eng. Abstr.) **(Cze)**

[Intertypic antigenic determinants of intracellular proteins of different poliovirus serotypes] Romanova LI, et al. **Vopr Virusol** 1980 Sep–Oct;(5):570–3 (Eng. Abstr.) **(Rus)**

[Rational method for producing sera with high titers of virus-neutralizing antibodies. Part III.] Kravchenko AT, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Jul;(7):50–4 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Poliomyelitis in Rio de Janeiro during the period of 1970 to 1974. I. Virological and epidemiological aspects. Von Hubinger MG, et al. **An Microbiol (Rio De J)** 1978;23:35–50

Poliomyelitis in Rio de Janeiro during the period of 1970 to 1974. II. Survey of neutralizing antibodies. Von Hubinger MG, et al. **An Microbiol (Rio De J)** 1978;23:19–33

Concentration of poliovirus in water by molecular filtration. Berman D, et al. **Appl Environ Microbiol** 1980 Aug; 40(2):426–8

Urea-lysine method for recovery of enteroviruses from sludge. Farrah SR, et al. **Appl Environ Microbiol** 1981 Feb; 41(2):455–8

Improved method for virological analysis of food. Finance C, et al. **Appl Environ Microbiol** 1981 Jul;42(1):176–9

Improved method for virological analysis of food. Finance

C, et al. **Appl Environ Microbiol** 1981 Jul;42(1):176–9
Procedure for recovery of enteroviruses from the Japanese cockle Tapes japonica. Johnson KM, et al.
Appl Environ Microbiol 1981 Apr;41(4):932–5
Poliovirus concentration from tap water with electropositive adsorbent filters. Sobsey MD, et al.
Appl Environ Microbiol 1980 Aug;40(2):201–10
Effect of soil permeability on virus removal through soil columns. Wang DS, et al. **Appl Environ Microbiol** 1981 Jul;42(1):83–8
Effect of sludge type on poliovirus association with and recovery from sludge solids. Pancorbo OC, et al.
Can J Microbiol 1981 Mar;27(3):279–87
Excretion of polioviruses in the faeces of healthy children of Ahmedabad up to 3 years of age. Goel RK, et al.
Indian Pediatr 1980 Oct;17(10):809–14
Human infective dose determinations for oral poliovirus type 1 vaccine in infants. Minor TE, et al. **J Clin Microbiol** 1981 Feb;13(2):388–9
[Properties of poliovirus detected in waste waters in the administration of nonhomogeneous vaccine (author's transl)] Matyášová I, et al.
Cesk Epidemiol Mikrobiol Imunol 1981 Jan;30(1):49–55 (Eng. Abstr.) **(Cze)**
[In its current state vaccination against poliomyelitis does not prevent the poliovirus from spreading among our population. Conclusions of a retrospective study on the distribution of poliovirus among hospitalized patients in the Liège area between 1 September 1959 and 31 December 1978] Reginster M. **Bull Mem Acad R Med Belg** 1980 Sep 27;135(8):506–21 (Eng. Abstr.) **(Fre)**
[Persistence of attenuated poliomyelitis virus in the organs of vaccinated animals] Gorshunova LP, et al.
Vopr Virusol 1980 May–Jun;(3):338–41 (Eng. Abstr.) **(Rus)**
[Isolation of the poliomyelitis virus from cases of acute respiratory diseases] Kukhnova LN, et al. **Vopr Virusol** 1980 Sep–Oct;(5):601–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Effect of inactivator(s) formed from copper and phenol impurity(ies) on the sedimentation rate of transfective poliovirion RNA. Dubes GR, et al. **Arch Virol** 1980; 66(1):45–51
Inactivation of transfective poliovirion RNA by a product or products of the interaction of trace copper with an impurity or impurities in reagent-grade phenol. Dubes GR, et al. **Arch Virol** 1980;66(1):27–44
Stability of poliovirus RNA in cell-free translation systems utilizing two initiation sites. Ehrenfeld E, et al.
J Biol Chem 1981 Mar 25;256(6):2656–61
Monovalent cation metabolism and cytopathic effects of poliovirus-infected HeLa cells. Nair CN. **J Virol** 1981 Jan; 37(1):268–73
Regulation of protein synthesis in HEp-2 cells and their cytoplasmic extracts after poliovirus infection. Bossart W, et al. **Virology** 1981 Jun;111(2):555–67
Comparison of replication complexes synthesizing poliovirus RNA. Etchison D, et al. **Virology** 1981 May;111(1):33–46

PATHOGENICITY

Studies on new attenuated strains of type III live poliomyelitis vaccine. I. Development of a new type III attenuated poliovirus. **Chin Med J [Engl]** 1980 Sep; 93(9):583–90
Comparison of sensitivity of VERO cell line versus primary monkey kidney cells in the detection of residual live polio virus during and after inactivation. Montagnon BJ, et al. **Dev Biol Stand** 1981;47:151–5

PHYSIOLOGY

Poliovirus retention in 75-cm soil cores after sewage and rainwater application. Landry EF, et al.
Appl Environ Microbiol 1980 Dec;40(6):1032–8
Encephalomyocarditis viral RNA can be translated under conditions of poliovirus-induced translation shutoff in vivo. Detjen BM, et al. **J Virol** 1981 May;38(2):777–81
[Survival of enteric viruses adsorbed on glass microfibers during postal transport] Joret JC, et al.
Can J Microbiol 1981 Feb;27(2):246–8 (Eng. Abstr.) **(Fre)**

POLIOVIRUS VACCINE

International Symposium on Reassessment of Inactivated Poliomyelitis Vaccine. Bilthoven, the Netherlands, June 24–17, 1980. **Dev Biol Stand** 1981;47:1–361
Cell substrate for killed poliovaccine production. Beale AJ. **Dev Biol Stand** 1981;47:19–23
Breeding of Macaca fascicularis for poliovaccine production. Boot R, et al. **Dev Biol Stand** 1981;47:15–8
The large-scale cultivation of VERO cells in micro-carrier culture for virus vaccine production. Preliminary results for killed poliovirus vaccine. Montagnon BJ, et al.
Dev Biol Stand 1981;47:55–64
Present state and developments in the production of inactivated poliomyelitis vaccine. van Wezel AL.
Dev Biol Stand 1981;47:7–13
Poliomyelitis immunization in adults [editorial] Pollock TM. **J R Soc Med** 1979 Mar;72(3):167
Maxwell Finland lecture: viral vaccines and their ways. Horstmann DM. **Rev Infect Dis** 1979 May–Jun;1(3):502–16 (65 ref.)
[Properties of poliovirus detected in waste waters in the administration of nonhomogeneous vaccine (author's transl)] Matyášová I, et al.
Cesk Epidemiol Mikrobiol Imunol 1981 Jan;30(1):49–55 (Eng. Abstr.) **(Cze)**
[Reactivation of inactivated poliovaccine] Triau R, et al.
Pediatrie 1980 Jul–Aug;35(5):439–49 (Eng. Abstr.) **(Fre)**
[Prospects in the field of the antipolio vaccination (author's transl)] Focà A. **Ann Sclavo** 1980 Jan–Feb;22(1):22–6 (10 ref.) (Eng. Abstr.) **(Ita)**
[Advantages and disadvantages of antipoliomyelitis vaccines prepared with live and killed viruses] Melnick JL.
Bol Of Sanit Panam 1980 Jun;88(6):507–29 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

A better system for polio vaccination in developing countries? [letter] Arya SC. **Br Med J** 1980 Oct 4; 281(6245):943
A better system for polio vaccination in developing countries [letter] Fine PE. **Br Med J** 1980 Sep 27;281(6244):873
Reassessment of the place of inactivated poliomyelitis vaccine in national immunization programmes. Assaad F.
Dev Biol Stand 1981;47:275–82
Experiences of vaccination with inactivated poliovirus vaccine in Sweden. Böttiger M. **Dev Biol Stand** 1981; 47:227–32
Clinical trial of concentrated inactivated polio vaccine in a simplified immunization program. Fillastre C, et al.
Dev Biol Stand 1981;47:207–13
Experience of vaccination with inactivated poliomyelitis vaccines in Iceland. Gudnadóttir M. **Dev Biol Stand** 1981; 47:257–9
Field trial on the efficacy of oral Sabin vaccine versus Salk polio vaccine. Imam IZ. **Dev Biol Stand** 1981;47:215–21
Response of children to a single dose of oral or inactivated polio vaccine. Magrath D, et al. **Dev Biol Stand** 1981; 47:223–6
Combined use of live and killed vaccines to control poliomyelitis in tropical areas. Melnick JL.
Dev Biol Stand 1981;47:265–73
A controlled trial with inactivated poliovaccine. Swartz TA, et al. **Dev Biol Stand** 1981;47:199–206
Duration of protection accorded by live oral poliovirus vaccine [letter] Menser MA, et al. **Lancet** 1981 Jun 13; 1(8233):1323

ADVERSE EFFECTS

Vaccine-associated poliomyelitis in an infant with agammaglobulinemia. Sankano T, et al.
Acta Paediatr Scand 1980 Jul;69(4):549–51
Markers of poliovirus strains isolated from cases temporally associated with the use of live poliovirus vaccine: report on a W.H.O. collaborative study. **J Biol Stand** 1981; 9(2):163–84
Effect of SV40 virus-contaminated polio vaccine on the incidence and type of CNS neoplasms in children: a population-based study. Farwell JR, et al.
Trans Am Neurol Assoc 1979;104:261–4
[Vaccination complications (a case of vaccine-contact-poliomyelitis)] Vogel C.
Kinderaerztl Prax 1980 Jun;48(6):296–9 (Eng. Abstr.) **(Ger)**

ANALYSIS

Quantitation of cell DNA in the evaluation of heteroploid cells as substrate for the preparation of killed viral vaccines. Crainic R, et al. **Intervirology** 1980;14(5–6):300–9

IMMUNOLOGY

A better system for polio vaccination in developing countries? [letter] Ehrengut W. **Br Med J** 1980 Oct 11; 281(6246):1004
Antibody responses to live and killed poliovirus vaccines in the milk of Pakistani and Swedish women. Svennerholm AM, et al. **J Infect Dis** 1981 May;143(5):707–11
[Antibodies against poliovirus in studies of a Dutch Reformed school community following the 1978 epidemic] Schaap GJ, et al. **Ned Tijdschr Geneeskd** 1981 Jan 31; 125(5):175–81 (Eng. Abstr.) **(Dut)**

ISOLATION & PURIFICATION

Cell substrate and risk in killed poliomyelitis vaccine. Horodniceanu F, et al. **Dev Biol Stand** 1981;47:35–9

STANDARDS

Studies on new attenuated strains of type III live poliomyelitis vaccine. I. Development of a new type III attenuated poliovirus. **Chin Med J [Engl]** 1980 Sep; 93(9):583–90
Potency testing for killed poliomyelitis vaccine. Beale AJ. **Dev Biol Stand** 1981;47:69–75
Potency test of inactivated polio vaccines in guinea pigs. Lapinleimu K, et al. **Dev Biol Stand** 1981;47:109–12
Potency test of killed polio vaccines. Statistical analysis of test on chicken and preliminary results in combination with ELISA D-antigen determinations. Larbaigt G, et al.
Dev Biol Stand 1981;47:113–8
Proposals on the control of VERO cells used to prepare inactivated poliomyelitis vaccine. Ménétrat JL, et al.
Dev Biol Stand 1981;47:163–7
Comparison of sensitivity of VERO cell line versus primary monkey kidney cells in the detection of residual live polio virus during and after inactivation. Montagnon BJ, et al.
Dev Biol Stand 1981;47:151–5
Antigenic potency of inactivated poliovirus vaccines. Moynihan M, et al. **Dev Biol Stand** 1981;47:129–33
Virologic control of monkeys used for the production of poliomyelitis virus vaccine. Osterhaus AD, et al.
Dev Biol Stand 1981;47:157–61
Theoretical and practical considerations in the application of killed poliovirus vaccine for the control of paralytic poliomyelitis. Salk J, et al. **Dev Biol Stand** 1981;47:181–98
D-antigen determination in polio vaccine production: comparison of gel diffusion and ELISA methods. van der Marel P, et al. **Dev Biol Stand** 1981;47:101–8
Killed poliovaccine: an evaluation of safety testing. van Steenis G, et al. **Dev Biol Stand** 1981;47:143–50
Potency testing of killed polio vaccine in rats. van Steenis G, et al. **Dev Biol Stand** 1981;47:119–28
Comparisons of poliovirus antigen measurements in vitro and in small animals. von Seefried A, et al. **Dev Biol Stand** 1981;47:91–100
Killed and live poliovirus vaccines [letter] Beale AJ.
Rev Infect Dis 1980 Nov–Dec;2(6):960–1

THERAPEUTIC USE

[Mali children antipoliomyelitic immunity before and after two oral immunizations against poliomyelitis (author's transl)] Fofana Y, et al. **Med Trop (Mars)** 1981 Mar–Apr; 41(2):151–5 (Eng. Abstr.) **(Fre)**
[Ineffectiveness of poliomyelitis vaccine in the treatment of recurrent herpes. A double-blind comparative study with placebo (letter)] Morel P, et al. **Nouv Presse Med** 1980 Mar 29;9(15):1099–100 **(Fre)**
[The policy of immunization against poliomyelitis] Michaeli D. **Harefuah** 1981 Jan 15;100(2):93–4 **(Heb)**

POLIOVIRUS VACCINE, ORAL

Oral polio vaccination and factors affecting its efficacy. Idris MZ, et al. **Indian J Med Res** 1980 May;71:671–8
Identification of point mutations in the genome of the poliovirus Sabin vaccine LSc 2ab, and catalogue of RNase T1- and RNase A-resistant oligonucleotides of poliovirus type 1 (Mahoney) RNA. Nomoto A, et al. **Virology** 1981 Jul 15;112(1):217–27
[Revaccination by oral monovalent poliovaccine type 3 (author's transl)] Srámová H, et al.
Cesk Epidemiol Mikrobiol Imunol 1981 Mar;30(2):95–100 (Eng. Abstr.) **(Cze)**
[Prospects in the field of the antipolio vaccination (author's transl)] Focà A. **Ann Sclavo** 1980 Jan–Feb;22(1):22–6 (10 ref.) (Eng. Abstr.) **(Ita)**
[Advantages and disadvantages of antipoliomyelitis vaccines prepared with live and killed viruses] Melnick JL.
Bol Of Sanit Panam 1980 Jun;88(6):507–29 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

A better system for polio vaccination in developing countries? John TJ, et al. **Br Med J** 1980 Aug 23; 281(6239):542
Reassessment of the place of inactivated poliomyelitis vaccine in national immunization programmes. Assaad F.
Dev Biol Stand 1981;47:275–82
Clinical trial of concentrated inactivated polio vaccine in a simplified immunization program. Fillastre C, et al.
Dev Biol Stand 1981;47:207–13
Field trial on the efficacy of oral Sabin vaccine versus Salk polio vaccine. Imam IZ. **Dev Biol Stand** 1981;47:215–21
Response of children to a single dose of oral or inactivated polio vaccine. Magrath D, et al. **Dev Biol Stand** 1981; 47:223–6
Combined use of live and killed vaccines to control poliomyelitis in tropical areas. Melnick JL.
Dev Biol Stand 1981;47:265–73
Human infective dose determinations for oral poliovirus type 1 vaccine in infants. Minor TE, et al. **J Clin Microbiol** 1981 Feb;13(2):388–9
[Results of vaccinating children against poliomyelitis according to the epidemic indices in the Dagestan ASSR in 1978] Bolko VM, et al. **Vopr Virusol** 1980 Jul–Aug; (4):479–80 **(Rus)**
[Persistence of attenuated poliomyelitis virus in the organs of vaccinated animals] Gorshunova LP, et al.
Vopr Virusol 1980 May–Jun;(3):338–41 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[Final note on G. Joppich's comment to 'Poliomyelitis oral vaccination and convulsions' (letter)] Ehrengut W, et al.
Klin Paediatr 1980 Jul;192(4):395–7 **(Ger)**
[Oral vaccination against poliomyelitis and convulsions (author's transl) (letter)] Joppich G. **Klin Paediatr** 1980 Jul; 192(4):393–4 **(Ger)**

STANDARDS

A better system for polio vaccination in developing

countries? [letter] Bell D. **Br Med J** 1980 Sep 20; 281(6243):810
Studies on new attenuated strains of type III live poliomyelitis vaccine. II. Field trials of Zhong III2 virus. **Chin Med J [Engl]** 1980 Sep;93(9):591–8
Monkey neurovirulence of live, attenuated (Sabin) type I and type II poliovirus vaccines. Marsden SA, et al. **J Biol Stand** 1980;8(4):303–9
Killed and live poliovirus vaccines [letter] Beale AJ. **Rev Infect Dis** 1980 Nov–Dec;2(6):960–1

THERAPEUTIC USE

Poliomyelitis vaccine in the treatment of Behçet's syndrome [letter] Fishel B, et al. **Arch Dermatol** 1980 Dec; 116(12):1348
Is there a need of 'catch-up' polio vaccination in preadolescence? [editorial] Wassilak SG, et al. **JAMA** 1981 Sep 11;246(11):1239
Duration of protection accorded by live oral poliovirus vaccine [letter] Thomson A. **Lancet** 1981 Apr 11; 1(8224):831–2
[In its current state vaccination against poliomyelitis does not prevent the poliovirus from spreading among our population. Conclusions of a retrospective study on the distribution of poliovirus among hospitalized patients in the Liège area between 1 September 1959 and 31 December 1978] Reginster M. **Bull Mem Acad R Med Belg** 1980 Sep 27;135(8):506–21 (Eng. Abstr.) **(Fre)**
[Recurrent herpes: treatment using trivalent oral polio vaccine (author's transl) (letter)] Garrel J, et al. **Nouv Presse Med** 1979 Jan 6;8(1):47 (Eng. Abstr.) **(Fre)**
[Treatment of recurring herpes simplex with poliovaccine] Haustein UF, et al. **Dermatol Monatsschr** 1980 Nov; 166(11):751–2 **(Ger)**
[Poliomyelitis vaccination in infants in the canton of St. Gall] Gschwend K, et al. **Soz Praeventivmed** 1980 Sep; 25(4):213–4 (Eng. Abstr.) **(Ger)**

POLISHES see **OILS**

POLISHES, DENTAL see **DENTIFRICES**

POLITEF see **POLYTETRAFLUOROETHYLENE**

POLITICAL ACTIVITY see **POLITICS**

POLITICAL SYSTEMS

Work, ideology, and science: the case of medicine. Navarro V. **Int J Health Serv** 1980;10(4):523–50
Law, psychiatry and the reproduction of capitalist ideology: a critical view. Langman L. **Int J Law Psychiatry** 1980; 3(3):245–56
Colonialism and international health: a study in social change in Ghana. Twumasi PA. **Soc Sci Med [Med Anthropol]** 1981 Apr;15B(2):147–51
Political economy, cultural hegemony, and mixes of traditional and modern medicine. Elling RH. **Soc Sci Med [Med Psychol Med Sociol]** 1981 Mar; 15A(2):89–99
Allopathic medicine, profession, and capitalist ideology in India. Frankenberg R. **Soc Sci Med [Med Psychol Med Sociol]** 1981 Mar; 15A(2):115–25
Political–economic structures–approaches to traditional and modern medical systems. McDonald CA. **Soc Sci Med [Med Psychol Med Sociol]** 1981 Mar; 15A(2):101–8

HISTORY

[Psychiatry under fascism: the outcome of historical analysis] Späte HF, et al. **Z Gesamte Hyg** 1980;26(8):553–60 (29 ref.) (Eng. Abstr.) **(Ger)**

POLITICS

Political issues and the Veterans Administration medical program. Casteel RT. **Ala J Med Sci** 1980 Apr;17(2):210–4
Amnesty International and the forgotten prisoner. Tedeschi LG. **Am J Forensic Med Pathol** 1980 Sep;1(3):277–9
'How can I get a job on Capitol Hill?' **Am J Nurs** 1981 Jan; 81(1):112–6
Apartheid and psychiatry [letter] Frankel FH. **Am J Psychiatry** 1980 Sep;137(9):1128
Coping with adversaries in elective public office. Messner E. **Am J Psychiatry** 1981 Jun;138(6):826–8
A political implication of drug-induced supersensitivity [letter] Pitman RK. **Am J Psychiatry** 1980 Aug;137(8):993
The black crepe of shame--threats of persecution of physicians by physicians for political reasons [editorial] Lesse SL. **Am J Psychother** 1981 Jan;35(1):1–3
Political activism among physically disabled individuals. Feinblatt A. **Arch Phys Med Rehabil** 1981 Aug;62(8):360–4
The political misuse of Soviet psychiatry: Honolulu and beyond. Bloch S. **Aust NZ J Psychiatry** 1980 Jun; 14(2):109–14
The physician-MPs: how to practise federal politics. Gray C. **Can Med Assoc J** 1980 Jun 21;122(12):1416–26
Abortion and the 1978 Congressional elections. Traugott MW, et al. **Fam Plann Perspect** 1980 Sep–Oct;12(5):238–46
Age consciousness and political mobilization of older Americans. Miller AH, et al. **Gerontologist** 1980 Dec; 20(6):691–700
Sociobiology and politics. Tiger L. **Hastings Cent Rep** 1980 Dec;10(6):35–7
A political paradigm for the health care administrator. Heatwole KB, et al. **Health Care Manage Rev** 1980 Fall; 5(4):67–73
Influencing the rule-making process. **Hosp Community Psychiatry** 1980 Sep;31(9):618
Lobbying for mental health: a survey. **Hosp Community Psychiatry** 1980 Sep;31(9):621–2
Psychiatry in the political arena. Armstrong B. **Hosp Community Psychiatry** 1980 Sep;31(9):606–9
The mental health lobby and how it grew. With emphasis on psychiatry's role, as viewed by psychiatrists, politicians, lobbyists, and other notables. Armstrong B. **Hosp Community Psychiatry** 1980 Sep;31(9):599–605
Mental health coalitions: speaking louder with one voice. Byrne G. **Hosp Community Psychiatry** 1980 Sep; 31(9):619–21
'Lame ducks' decide fate of major health issues of 96th Congress. Lockwood KR. **Hospitals** 1980 Dec 16; 54(24):61–4, 128
Dimensionality and the structure of student drug usage. Jones W Jr. **Int J Addict** 1980;15(6):907–14
The motivation and political alienation of older Americans. Cox H. **Int J Aging Hum Dev** 1980;11(1):1–12
Law and psychiatry as political symbolism. Edelman M. **Int J Law Psychiatry** 1980;3(3):235–44
Psychiatry and the political question. Weisstub DN. **Int J Law Psychiatry** 1980;3(3):219–33
Fluoridation election victory: a case study for dentistry in effective political action. Boriskin JM, et al. **J Am Dent Assoc** 1981 Apr;102(4):486–91
Reagin and the U.S. presidency. Phylaxis A. **J Asthma** 1981 Jan;18(1):67
Legislation. White B. **J Fla Med Assoc** 1981 Mar;68(3):188–9
The new quack -- pseudoscience, public relations and politics. Arseneau JC, et al. **J Miss State Med Assoc** 1981 Aug;22(8):202–7
A view of the legislative process. Murphy B. **J Miss State Med Assoc** 1981 May;22(5):120–2
Disraeli's doctors. Whitfield AG. **J R Coll Physicians Lond** 1980 Jul;14(3):202–4
The new opposition to sex education: a powerful threat to a democratic society. Scales P. **J Sch Health** 1981 Apr; 51(4):300–4
Control of health care costs: freedom, justice, and the political order. Lewis IJ. **Man Med** 1980;5(4):273–90
Frailty and fitness in leadership [editorial] Winton R. **Med J Aust** 1980 Nov 29;2(11):589–90
American physicians today have preeminent political action committee. Berglund TR. **Mich Med** 1981 May; 80(14):260–1
Congress, in next two years, to rethink medicine's entire base. Cooper TN. **Mich Med** 1981 May;80(14):262
Michigan MDs who served on GMENAC call it a rewarding experience. Downs CR. **Mich Med** 1981 Feb;80(5):50–1
MDPAC earns good batting average in 1980 general elections. Payne TC. **Mich Med** 1981 Jan;80(2):28
Political repression charged [letter] Wright C. **N Engl J Med** 1980 Nov 13;303(20):1183
Power and interest groups: a study of ANA and AMA. Capuzzi C. **Nurs Outlook** 1980 Aug;28(8):478–82
Political factors influencing nursing practice. Shimamoto Y. **Nurs Outlook** 1981 Jun;29(6):355–7
Occupational illness and the role of federal government [editorial] Strasser AL. **Occup Health Saf** 1981 Mar; 50(3):27,30, 31
Politics and medicine: the road ahead. **Ohio State Med J** 1981 Jan;77(1):29–31
Hitler and Gandhi: the will as spirit and as flesh. Adelman H. **Psychoanal Rev** 1980 Winter;67(4):543–61
'Once upon a time there was a king...'. Baldini M. **Riv Biol** 1980;73(2):165–77 **(Eng, Ita)**
From public health to political epidemiology. Brownlea A. **Soc Sci Med [Med Geogr]** 1981 Feb;15D(1):57–67
Political deviance: a critical commentary on a case study. Tierney J. **Sociol Rev** 1980 Nov;28(4):829–50
The postself and Richard Nixon's partial death. Nelson P. **Suicide Life Threat Behav** 1980 Fall;10(3):182–8
Serving a locum tenens in Virginia's statehouse. Shires CL. **Va Med** 1981 Jan;108(1):26–31
'The foolmaster who fooled them'. Young JH. **Yale J Biol Med** 1980 Nov–Dec;53(6):555–66
[Defensive psychiatry and repressive psychiatry] Bourgeois M, et al. **Ann Med Psychol (Paris)** 1980;138(8):954–66 **(Fre)**
[Medical ethics and politics – one aspect of the history of medical ethics] Fischer-Homberger E. **Bull Schweiz Akad Med Wiss** 1980 Nov;36(4–6):395–410 (Eng. Abstr.) **(Ger)**
[Historical aspects from the past: the political fight against venereal diseases?] Hollander A. **Fortschr Med** 1981 Jun 25;99(24):927–8 **(Ger)**
[Preventive medicine--a task in the field of tension between science and politics] Neuhaus GA. **MMW** 1981 Jul 17; 123(29–30):1165–6 **(Ger)**
[The rehabilitation function and the health politics status of social service in hospitals in West Germany] Hager B. **Oeff Gesundheitswes** 1981 Jun;43(6):276–9 **(Ger)**
[National political goal-setting in medical technology] Wahba AW. **Oeff Gesundheitswes** 1981 Jan;43(1):4–8 **(Ger)**
[psychoanalysis in Germany – a career in the state system? Views from the far side of the Rhine] Lohmann HM. **Psyche (Stuttg)** 1980 Oct;34(10):945–57 **(Ger)**
[Case of Yahagigawa Hospital: an interim report] Otani M. **Seishin Shinkeigaku Zasshi** 1980;82(12):831–9 **(Jpn)**
[Organizational problems in Party political work during selection and training of students among the troops] Balakin VA, et al. **Voen Med Zh** 1981 Jun;(6):26–7 **(Rus)**
[Outline of a political economy course in medical colleges] Alekseenko MF, et al. **Vrach Delo** 1980 Oct;(10):5–8 **(Rus)**

POLLEN

Time and intensity of first pollen contacts and risk of subsequent pollen allergies. Björkstén F, et al. **Acta Med Scand** 1981;209(4):299–303
Common components in pollen extracts. Dirksen A, et al. **Allergy** 1980 Oct;35(7):611–6
Immunotherapy in hay fever with two major allergens 19, 25 and partially purified extract of timothy grass pollen. A controlled double blind study. In vivo variables, season I. Osterballe O. **Allergy** 1980 Sep;35(6):473–89
Daily hay fever forecast in the Netherlands. Radio broadcasting of the expected influence of the weather or subjective complaints of hay fever sufferers. Spieksma FT. **Allergy** 1980 Oct;35(7):593–603
Analysis of commercial pollen extracts by enzyme determination. I. Comparison of rast-inhibition assay and enzyme titration for orchard grass, rye grass and short ragweed pollen extracts. Bousquet J, et al. **Ann Allergy** 1980 Nov;45(5):310–5
Skin test sensitivity to Acacia pollen in Brazil. Geller M, et al. **Ann Allergy** 1981 Sep;47(3):180–1
Anaphylactic reaction after ingestion of local bee pollen. Mansfield LE, et al. **Ann Allergy** 1981 Sep;47(3):154–6
Treatment of ragweed allergic conjunctivitis with 2% cromolyn solution in unit doses. Nizami RM. **Ann Allergy** 1981 Jul;47(1):5–7
Atmospheric survey of pollen of Parthenium hysterophorus. Seetharamiah AM, et al. **Ann Allergy** 1981 Sep;47(3):192–6
Allergen community in pollen from certain tree species. van Dalen G, et al. **Ann Allergy** 1981 May;46(5):276–8
Atopic skin test re-evaluated. IX. Identity of pollen extracts of four grass species. Voorhorst R, et al. **Ann Allergy** 1981 Sep;47(3):182–5
Changes of nasal epithelial cells and mucus layer after challenge of allergen. Watanabe K, et al. **Ann Otol Rhinol Laryngol** 1981 May–Jun;90(3 Pt 1):204–9
Activation of polysaccharides with 2-iminothiolane and its uses. Alagon AC, et al. **Biochemistry** 1980 Sep 2; 19(18):4341–5
Amino acid sequence of ragweed allergen Ra3. Klapper DG, et al. **Biochemistry** 1980 Dec 9;19(25):5729–34
Surfactant effects on petunia pollen germination in vitro. Pfahler PL, et al. **Bull Environ Contam Toxicol** 1981 Apr; 26(4):567–70
Neonatal birch-pollen contact and subsequent allergy to birch pollen. Björkstén F, et al. **Clin Allergy** 1980 Sep; 10(5):585–91
Allergenic activity of fractions of cocksfoot (Dactylis glomerata) pollen. Definition of active components by skin testing, and inhibition RAST. Topping MD, et al. **Clin Allergy** 1981 May;11(3):281–6
Pollen systems to detect biological activity of environmental pollutants. Proceedings of a conference co-sponsored by the National Institute of Environmental Health Sciences and the Environmental Protection Agency. Knoxville, Tennessee, May 5–8, 1980. **Environ Health Perspect** 1981 Jan;37:1–168
Flow system for automated analysis of maize pollen. Amano E. **Environ Health Perspect** 1981 Jan;37:165–8
Effects of exogenous materials on pollen tube growth in Lilium longiflorum pistils. Ascher PD. **Environ Health Perspect** 1981 Jan;37:107–15
Impatiens pollen germination and tube growth as a bioassay for toxic substances. Bilderback DE. **Environ Health Perspect** 1981 Jan;37:95–103
Pollen embryogenesis to induce, detect, and analyze mutants. Constantin MJ. **Environ Health Perspect** 1981 Jan;37:27–33
Bioassaying for ozone with pollen systems. Feder WA. **Environ Health Perspect** 1981 Jan;37:117–23
Toward monitoring specific DNA lesions in the gene by using pollen systems. Freeling M. **Environ Health Perspect** 1981 Jan;37:13–7
Ontogeny of the barley plant as related to mutation expression and detection of pollen mutations. Hodgdon AL, et al. **Environ Health Perspect** 1981 Jan;37:5–7
Trad-scantia micronucleus bioassay and pollen tube chromatid aberration test for in situ monitoring and mutagen screening. Ma TH. **Environ Health Perspect** 1981 Jan;37:85–90
Microspore and microgametophyte development in relation to biological activity of environmental pollutants. Mascarenhas JP. **Environ Health Perspect** 1981 Jan;37:9–12
Pollen tetrads in the detection of environmental mutagenesis. Mulcahy DL. **Environ Health Perspect** 1981 Jan;37:91–4
Pollen genetic markers for detection of mutagens in the environment. Nilan RA, et al. **Environ Health Perspect** 1981 Jan;37:19–25
Assessing levels of airborne bioallergens in New York City. Pereira MR, et al. **Environ Health Perspect** 1981 Jan;

37:171–8
In vitro germination characteristics of maize pollen to detect biological activity of environmental pollutants. Pfahler PL. **Environ Health Perspect** 1981 Jan;37:125–32
On the possibility of automated scoring of pollen mutants. Pinkel D. **Environ Health Perspect** 1981 Jan;37:133–6
Germinal cell mutagenesis in specially designed maize genotypes. Plewa MJ, et al. **Environ Health Perspect** 1981 Jan;37:61–73
Origins and genetic nonvariability of the proteins which diffuse from maize pollen. Porter EK. **Environ Health Perspect** 1981 Jan;37:53–9
Pollen systems to detect phytotoxicants in the environment: an introduction. Rosen WG. **Environ Health Perspect** 1981 Jan;37:105
Technology for automated analysis of maize pollen used as a marker for mutation: 1. Flow-through systems. Tyrer HW. **Environ Health Perspect** 1981 Jan;37:137–42
Maize pollen test systems to detect nondisjunction. Weber DF. **Environ Health Perspect** 1981 Jan;37:79–84
Comparative studies on tree–pollen allergens. I. Isolation and partial characterization of a major allergen from birch pollen (Betula verrucosa). Apold J, et al. **Int Arch Allergy Appl Immunol** 1981;64(4):439–47
Allergenic relationships of two different antigens of Kentucky bluegrass pollen. Chakrabarty S, et al. **Int Arch Allergy Appl Immunol** 1981;66(1):13–20
Allergens of Kentucky Blue Grass pollen. II. Isolation of hapten–like components from Kentucky Blue Grass pollen by preparative isoelectrofocussing. Chakrabarty S, et al. **Int Arch Allergy Appl Immunol** 1980;63(4):369–82
Isolation of a purified allergen from Kentucky blue grass pollen. Ekramoddoullah AK, et al. **Int Arch Allergy Appl Immunol** 1980;63(2):220–35
Isolation of a low molecular weight constituent from Kentucky blue grass pollen possessing carrier activity of high molecular weight constituent(s). Ekramoddoullah AK, et al. **Int Arch Allergy Appl Immunol** 1981;64(3):277–86
A multi–institutional trial of polymerized whole ragweed for immunotherapy of ragweed allergy. Hendrix SG, et al. **J Allergy Clin Immunol** 1980 Dec;66(6):486–94
Polymerized tree pollen antigens. Patterson R, et al. **J Allergy Clin Immunol** 1981 Feb;67(2):162–5
A comparative study of the effectiveness of the Rinkel method and the current standard method of immunotherapy for ragweed pollen hay fever. Van Metre TE, et al. **J Allergy Clin Immunol** 1980 Dec;66(6):500–13
Interference in ragweed pollen and honeybee venom radioallergosorbent tests. Zimmermann EM, et al. **J Allergy Clin Immunol** 1980 Nov;66(5):386–93
When is a placebo not a placebo in research on the effectiveness of treatment with pollen extracts? [editorial] Abramson HA. **J Asthma Res** 1980 Jan;17(2):vi
Antigens of Ambrosia elatior (short ragweed) pollen. II. Immunochemical identification of known antigens by quantitative immunoelectrophoresis. Løwenstein H, et al. **J Immunol** 1981 Aug;127(2):637–42
[The pollinated plants and their pollens in the Taipei area] Han SH, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1980 Jun;13(2):174–200 **(Chi)**
[Penetration of tagged pollen grains in the human bronchial tree (author's transl)] Soler M, et al. **Bull Eur Physiopathol Respir** 1980;16(2):127–34 **(Fre)**
[Anaphylactic complications induced by pollen ingestion] Lecomte J. **Rev Med Liege** 1980 Jul 1;35(13):522–4 **(Fre)**
[Atmospheric pollen in Algeria. Preliminary note on its composition during 1977] Korteby H, et al. **Tunis Med** 1979 Jul–Oct;57(4–5):196–201 (Eng. Abstr.) **(Fre)**
[Cutaneous or intracutaneous tests for diagnosis of inhalation allergies? A comparative study of pollen–free and pollen–containing allergen extracts in cutaneous and intracutaneous testing. II. Study of pollen–containing allergen extracts] Becker S, et al. **Med Welt** 1980 Jun 6; 31(23):868–73 **(Ger)**
[The relevance of cereal grain pollen in hayfever (author's transl)] Horak F, et al. **Wien Klin Wochenschr [Suppl]** 1980; 92(117 Suppl):34–5 (Eng. Abstr.) **(Ger)**
[Reduced allergen immunotherapy of grass pollinosis (author's transl)] Horak F, et al. **Wien Klin Wochenschr [Suppl]** 1980;92(117 Suppl):36–8 (Eng. Abstr.) **(Ger)**
[Potential secondary effects in pollen–desensitization with mixed pollen–depot–extracts in regards to foreign body granuloma (author's transl)] Kirsten D, et al. **Z Erkr Atmungsorgane** 1980;154(1):84–9 (Eng. Abstr.) **(Ger)**
[Plant antigens with immunological properties. III. Separation of a biologically active fraction in a grass pollen extract] Giuliani A, et al. **Ann Sclavo** 1980 Jul–Aug; 22(4):681–9 (Eng. Abstr.) **(Ita)**
[Studies on apple pollinosis (author's transl)] Hakamada M. **Nippon Jibiinkoka Gakkai Kaiho** 1980 Jan 20;83(1):36–45 (Eng. Abstr.) **(Jpn)**
[Pollenosis due to artificial pollination of Japanese pears (author's transl)] Teranishi H, et al. **Sangyo Igaku** 1981 Mar; 23(2):166–7 **(Jpn)**
[Remarks concerning api–phytotherapy in ophthalmology] Baidan N, et al. **Rev Chir [Oftalmol]** 1980 Jan–Mar; 24(1):55–60 (Eng. Abstr.) **(Rum)**

ADMINISTRATION & DOSAGE

Suppression of anaphylactic reactions in guinea pigs by previous treatment with ragweed aerosol. Blanchard GC, et al. **Int Arch Allergy Appl Immunol** 1980;63(3):250–7

ANALYSIS

Studies on pollen allergy in Delhi. Diurnal periodicity of common allergenic pollen. Singh AB, et al. **Allergy** 1980 Jun;35(4):311–7
City spore concentrations in the European Economic Community (EEC). IV. Summer weed pollen (Rumex, Plantago, Chenopodiaceae, Artemisia), 1976 and 1977. Spieksma FT, et al. **Clin Allergy** 1980 May;10(3):319–29
Immunofluorescent localization of two water–soluble glycoproteins including the major allergen from the pollen of ryegrass, Lolium perenne. Howlett BJ, et al. **Histochem J** 1981 May;13(3):461–80
Isolation and partial characterization of allergen C from Kentucky blue grass pollen. Chakrabarty S, et al. **Int Arch Allergy Appl Immunol** 1981;65(4):377–89
Isolation of allergenically active cytochrome c from Kentucky blue grass pollen. Ekramoddoullah AK, et al. **Int Arch Allergy Appl Immunol** 1981;65(4):367–76
Distribution of poly(A)–containing RNA during normal pollen development and during induced pollen embryogenesis in Hyoscyamus niger. Raghavan V. **J Cell Biol** 1981 Jun;89(3):593–606
Characteristics of pollen diffusates and pollen wall cytochemistry in poplars. Ashford AE, et al. **J Cell Sci** 1980 Aug;44:1–17
Pollen problems. Mullins J. **R Soc Health J** 1981 Jun; 101(3):103–5

GENETICS

Two variants of ragweed allergen Ra3. Goodfriend L, et al. **J Allergy Clin Immunol** 1981 Apr;67(4):299–304

GROWTH & DEVELOPMENT

Pollen tube development in Petunia hybrida following compatible and incompatible intraspecific matings. Herrero M, et al. **J Cell Sci** 1981 Feb;47:365–83

IMMUNOLOGY

Allergy to birch pollen and apple, and cross–reactivity of the allergens studied with the RAST. Lahti A, et al. **Allergy** 1980 Jun;35(4):297–300
Immunotherapy in hay fever with two major allergens 19, 25 and partially purified extract of timothy grass pollen. A controlled double blind study. In vitro variables, season i. Osterballe O, et al. **Allergy** 1981 Apr;36(3):183–99
Measurement of IgG antibodies against timothy pollen allergens. A high capacity microtiter assay procedure. Prahl P, et al. **Allergy** 1981 Feb;36(2):123–7
Airborne fungi and pollens of the Washington, D.C., metropolitan area. Al–Doory Y, et al. **Ann Allergy** 1980 Dec;45(6):360–7
Cross–reactivity among pollens. Weber RW. **Ann Allergy** 1981 Apr;46(4):208–15 (47 ref.)
Botanical immunocytochemistry: a review with special reference to pollen antigens and allergens. Knox RB, et al. **Histochem J** 1980 May;12(3):247–72 (68 ref.)
Induction and characterization of suppressor T cells and soluble factors with modified timothy grass pollen AgB. Malley A, et al. **Int Arch Allergy Appl Immunol** 1981; 65(2):129–37
Measurement of 'blocking antibodies' to pollen antigens by radiolabelled protein A from Staphylococcus aureus. Puttonen E, et al. **Int Arch Allergy Appl Immunol** 1981; 64(2):157–66
The heat stability of short ragweed pollen extract and the importance of individual allergens in skin reactivity. Baer H, et al. **J Allergy Clin Immunol** 1980 Oct;66(4):281–5
Rapidly released allergens from short ragweed pollen. II. Identification and partial purification. Hussain R, et al. **J Allergy Clin Immunol** 1981 Mar;67(3):217–22
Rapidly released allergens from short ragweed pollen. I. Kinetics of release of known allergens in relation to biologic activity. Marsh DG, et al. **J Allergy Clin Immunol** 1981 Mar;67(3):206–16
Preseasonal intranasal immunotherapy with nebulized short ragweed extract. Welsh PW, et al. **J Allergy Clin Immunol** 1981 Mar;67(3):237–42
Antigens of Ambrosia elatior (short ragweed) pollen. I. Crossed immunoelectrophoretic analyses. Løwenstein H, et al. **J Immunol** 1981 Mar;126(3):943–8
A double–antibody radioimmunoassay for specific IgE to ragweed antigen E. Grammer LC, et al. **J Lab Clin Med** 1981 Aug;98(2):181–8
IgE and IgG antibodies compete for antigenic determinants of Parietaria officinalis allergen. Giallongo A, et al. **Mol Immunol** 1980 Aug;17(8):1019–24
Determination of initial immunotherapy dose for ragweed hypersensitivity with the modified RAST test. Nalebuff DJ, et al. **Otolaryngol Head Neck Surg** 1981 Mar–Apr; 89(2):271–4
The use of provocation tests for the diagnosis of allergic conjunctivitis caused by Japanese cedar. Mikuni I. **Tokai J Exp Clin Med** 1980 Oct;5(4):375–84
[Frequency of chronic rhinitis in a population of young adults. Influence of pollen allergy and tobacco addiction (author's transl)] Dor P, et al. **Poumon Coeur** 1980 May–Jun;36(3):179–81 (Eng. Abstr.) **(Fre)**
[Significance of different types of pollen in the etiology of hay fever] Horak F, et al. **Med Klin** 1980 Jul 18; 75(15):532–8 **(Ger)**
[How and when is immunotherapy for pollen allergy carried out?] Kersten W. **Med Klin** 1980 Oct 10;75(21):751–4 (Eng. Abstr.) **(Ger)**
[Cross sensitization by pollen of Compositae (Asteraceae)—studies using the prick test, RAST and RAST–inhibition tests] Rakoski J, et al. **Z Hautkr** 1980 Jun 1;55(11):741–7 **(Ger)**
[Flying pollen] Leuschner RM. **ZFA (Stuttgart)** 1981 May 10;57(13):980–8 **(Ger)**
[Plant antigens with immunological properties. III. Separation of a biologically active fraction in a grass pollen extract] Giuliani A, et al. **Ann Sclavo** 1980 Jul–Aug; 22(4):681–9 (Eng. Abstr.) **(Ita)**
[In vitro lymphocytic response to purified ragweed] Carini C. **Arch Monaldi** 1979 Jul–Aug;34(4):185–96 (Eng. Abstr.) **(Ita)**
[Experimental study of the allergenic activity of the pollen of Cyclachena xanthifolia] Ado VA, et al. **Biull Eksp Biol Med** 1980 Nov;90(11):591–3 (Eng. Abstr.) **(Rus)**
[Study of the antigenic makeup of Cychlachena xantifolia pollen] Astaf'eva NG, et al. **Biull Eksp Biol Med** 1981 Feb; 91(2):200–1 **(Rus)**
[Antigenic properties of the allergoid from ragweed pollen] Raĭkis BN, et al. **Biull Eksp Biol Med** 1980 Aug;90(8):197–8 (Eng. Abstr.) **(Rus)**
[Immunochemical characteristics of plant pollen allergoid] Raĭkis BN, et al. **Biull Eksp Biol Med** 1981;91(1):74–5 (Eng. Abstr.) **(Rus)**
[Allergenic flora in the state of Yucatan] Molina Medina C. **Alergia** 1980 Jul;27(3):101–9 (Eng. Abstr.) **(Spa)**
[Blast response and IgE specific for grass pollens. Biological significance] Olivé Pérez DA. **Alergia** 1980 Oct;27(4):171–5 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Clinical studies of a purified timothy pollen extract. Desensitization therapy with a purified timothy pollen preparation compared to a crude timothy pollen extract. I. Results of tests in vivo. Berg T, et al. **Int Arch Allergy Appl Immunol** 1980;63(3):266–74
Immunotherapy with short ragweed fraction A:D–glutamic acid:D–lysine polymer in ragweed hay fever. Butterfield JH, et al. **J Allergy Clin Immunol** 1981 Apr;67(4):272–8
A double blind controlled trial of Bencard house dust mite ,(Migen) hyposensitisation in Zambian asthmatics. Buchanan DJ, et al. **Med J Zambia** 1980 Dec–1981 Jan;15(1):14–6

ULTRASTRUCTURE

A versatile stain for pollen fungi, yeast and bacteria. Alexander MP. **Stain Technol** 1980 Jan;55(1):13–8

POLONIUM

Influence of inflight decay of radium–a in radon measurement by the double–filter method. Tymen G. **Health Phys** 1981 Feb;40(2):245–8

ANALYSIS

The nature of unattached RaA (218Po) particles. Busigin A, et al. **Health Phys** 1981 Mar;40(3):333–43
Composition of tobaccos from countries with high and low incidences of lung cancer. I. Selenium, polonium–210, Alternaria, tar, and nicotine. Bogden JD, et al. **JNCI** 1981 Jan;66(1):27–31

POLOXALENE see under **POLYETHYLENE GLYCOLS**

POLY A

Interactions of a 5–nitroxide–labeled poly(uridylic acid) with poly(adenylic acid). Langemeier PW, et al. **Arch Biochem Biophys** 1981 Apr 15;208(1):205–11
Hybridization studies of poly A–RNA from 5'–bromodeoxyuridine treated neuroblastoma cells. Dierich A, et al. **Biochimie** 1980;62(7):473–9
Time dependence of triplet–singlet excitation transfer from compact poly rA to bound dye at 77 K. Pearlstein RM, et al. **Biophys J** 1979 Apr;26(1):61–71
Interaction of the antimalarial drug fluoroquine with DNA, tRNA, and poly(A): 19F–NMR chemical–shift and relaxation, optical absorption, and fluorescence studies. Bolton PH, et al. **Biopolymers** 1981 Mar;20(3):435–49
1H– and 13C–NMR studies on caffeine and its interaction with nucleic acids. Kan LS, et al. **Biopolymers** 1980 Sep; 19(9):1641–54
Circular dichroism study of stacking properties of oligodeoxyadenylates and polydeoxyadenylate. A three–state conformational model. Olsthoorn CS, et al. **Eur J Biochem** 1981 Apr;115(2):309–21
Double–stranded structures in the poly(A)–containing cytoplasmic RNA. Effect of cortisone. Konstantinova IM, et al. **FEBS Lett** 1980 Aug 11;117(1):73–8
Transcription units of adenovirus type 2. Termination of transcription beyond the poly(A) addition site in early regions 2 and 4. Nevins JR, et al. **J Mol Biol** 1980 Dec

15;144(3):377–86
Messenger RNA stability in Dictyostelium discoideum: does poly(A) have a regulatory role? Palatnik CM, et al. **J Mol Biol** 1980 Aug 5;141(2):99–118
The isolation of cloned cDNA sequences which are differentially expressed in human lymphocytes and fibroblasts. Crampton J, et al. **Nucleic Acids Res** 1980 Dec 20;8(24):6007–17
Thermal stability of poly(A) and poly(U) complexes in H2O and D2O: isotopic effects on critical temperatures and transition widths. Cupane A, et al. **Nucleic Acids Res** 1980 Sep 25;8(18):4283–303
Structure and dynamics of a tryptophanepeptide–polynucleotide complex. Pörschke D. **Nucleic Acids Res** 1980 Apr 11;8(7):1591–612
A RNA.DNA hybrid that can adopt two conformations: an x-ray diffraction study of poly(rA).poly(dT) in concentrated solution or in fibers. Zimmerman SB, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):78–82

ANALYSIS

Analysis of mRNA 5'-terminal cap structures and internal N6-methyladenosine by reversed-phase high-performance liquid chromatography. Albers RJ, et al. **Anal Biochem** 1981 May 1;113(1):118–23
Characterization of subcellular poly(A) RNA populations by poly(U) sepharose chromatography and discontinuous elution. Bynum JW, et al. **Anal Biochem** 1980 Sep 15; 107(2):406–16
Relative distribution of post-nuclear poly(A)-containing RNA abundance groups within the nuclear and post-nuclear polyadenylated and non-polyadenylated RNA populations of the lactating guinea-pig mammary gland. Bathurst IC, et al. **Biochem J** 1980 Nov 15; 192(2):489–98
Detection, sizing, and quantitation of polyadenylated ribonucleic acid in the nanogram–picogram range. Tracy S, et al. **Biochemistry** 1980 Aug 5;19(16):3792–9
Poly(A)- and oligo(A)-adjacent sequences in RNA from the large hnRNP complexes of rat liver. Alonso A, et al. **Biochim Biophys Acta** 1981 Jan 29;652(1):72–81
A modified nucleotide in the poly(A) tract of maize RNA. Nichols JL, et al. **Biochim Biophys Acta** 1981 Jan 29; 652(1):99–108
Proteins associated with poly(A) and other regions of mRNA and hnRNA molecules as investigated by crosslinking. Setyono B, et al. **Cell** 1981 Jun;24(3):775–83
Polyadenylated RNA of Volvox: isolation and partial characterization. Caplen HS, et al. **Cytobios** 1980; 29(114):115–28
Differential distribution of poly(A)-containing RNA sequences between the nucleus and post-nuclear supernatant of the lactating guinea-pig mammary gland. Bathurst IC, et al. **Eur J Biochem** 1980 Aug;109(1):183–91
Structural characterization of polysomal poly(A)-protein particles in rat liver. Tomcsányi T, et al. **Eur J Biochem** 1981 Feb;114(2):421–8
Fluctuation in polyadenylate size and content in exponential- and stationary-phase cells of Saccharomyces cerevisiae. Sogin SJ, et al. **J Bacteriol** 1980 Oct;144(1):74–81
Extensive homology between poly(A)-containing mRNA and purified nominal poly(A)-lacking mRNA in mouse kidney. Ouellette AJ, et al. **J Biol Chem** 1981 May 25; 256(10):5104–8
Ribosomal and translatable messenger RNA of Eimeria tenella. Pasternak J, et al. **Mol Biochem Parasitol** 1981 Jul; 3(3):133–42
Intracellular murine hepatitis virus-specific RNAs contain common sequences. Cheley S, et al. **Virology** 1981 Jul 30; 112(2):596–604

BIOSYNTHESIS

Stimulation of poly(dT) transcription by Bacillus subtilis RNA polymerase in the presence of adenosine monophosphate. Badaracco G, et al. **Biochem Biophys Res Commun** 1981 Mar 16;99(1):23–9
Inhibition of poly(A)+- and poly(A)- -ribonucleic acid synthesis by a nonlethal dose of aflatoxin B1 in vivo. Ch'ih JJ, et al. **Biochem Pharmacol** 1980 Aug 15;29(16):2247–9
Favored incorporation of tubercidin in poly(adenylic, 7-deazadenylic acids) and their function as messenger ribonucleic acids in protein synthesis. Seela F, et al. **Biochemistry** 1981 Apr 28;20(9):2559–64
Light-induced appearance of polysomal poly(A)-rich messenger RNA during greening of barley plants. Heinze H, et al. **Eur J Biochem** 1980 Oct;111(1):137–44
Synthesis of (2'-5')(A)n from ATP. Characteristics of the reaction catalyzed by (2'-5')(A)n synthetase purified from mouse Ehrlich ascites tumor cells treated with interferon. Samanta H, et al. **J Biol Chem** 1980 Oct 25;255(20):9807–13
Further evidence for haploid gene expression during spermatogenesis: heterogeneous, poly(A)- containing RNA is synthesized post-meiotically. Erickson RP, et al. **J Exp Zool** 1980 Oct;214(1):13–9
Appearance of RNA with a specific size class of poly(A) in oocytes and eggs in HCG-stimulated Xenopus laevis females. Sagata N, et al. **J Exp Zool** 1980 Jul;213(1):117–22
Transient induction of poly(A)-short myosin heavy chain messenger RNA during terminal differentiation of L6E9 myoblasts. Benoff S, et al. **J Mol Biol** 1980 Jun 25; 140(2):283–98
The synthesis and degradation of poly(a)-containing mRNAs in mouse neuroblastoma cells treated with dibutyryl cAMP or with Ro20–1724. Morrison MR, et al. **J Neurochem** 1980 Jan;34(1):50–8
Analysis of the effect of 5-fluorouracil on the synthesis and translation of polysomal poly(A)RNA from Ehrlich ascites celis. Glazer RI, et al. **Mol Pharmacol** 1981 Jan; 19(1):117–21
Long-lasting effects of electroconvulsive shock on the pattern of poly(A)-RNA synthesis in rabbit cerebral cortex. Cupello A, et al. **Neurochem Res** 1981 Feb;6(2):175–82
Analysis of hippocampal RNA in rats with genetically determined differences in learning ability. Shumskaya IA, et al. **Neurosci Behav Physiol** 1981 Jan-Feb;11(1):16–23
Frequency distribution of pre-messenger RNA sequences in polyadenylated and non-polyadenylated nuclear RNA from Friend cells. Balmain A, et al. **Nucleic Acids Res** 1980 Apr 11;8(7):1643–60
The appearance of new polyadenylated nuclear RNA sequences during rat-liver regeneration. Wilkes PR, et al. **Nucleic Acids Res** 1981 Apr 24;9(8):2021–35
Polyadenylation, methylation, and capping of the RNA synthesized in vitro by African swine fever virus. Salas ML, et al. **Virology** 1981 Sep;113(2):484–91
[Reiterative poly(A) synthesis on oligonucleotide templates in an Escherichia coli RNA-polymerase system] Denisova LIa, et al. **Mol Biol (Mosk)** 1980 Nov–Dec;14(6):1372–7 (Eng. Abstr.) **(Rus)**

BLOOD

Electron microscopic observations of heterogeneous nuclear RNA of chicken reticulocytes. Naora H, et al. **Biochim Biophys Acta** 1981 Mar 26;653(1):91–7

GENETICS

Comparison of cytoplasmic RNA species from rat liver and Morris hepatoma 5123D. Brysch B, et al. **Acta Biochim Pol** 1980;27(2):111–21
The sequence 5'-AAUAAA-3'forms parts of the recognition site for polyadenylation of late SV40 mRNAs. Fitzgerald M, et al. **Cell** 1981 Apr;24(1):251–60
The Role of the poly(A) sequence in mammalian messenger RNA. Brawerman G. **CRC Crit Rev Biochem** 1981; 10(1):1–38 (92 ref.)
Complexity and diversity of polyadenylated mRNA in the silk gland of Bombyx mori: changes related to fibroin production. Couble P, et al. **Dev Biol** 1981 Feb;82(1):139–49
Nucleic acid sequence similarities: 'poly(A) tendency'. Grantham R. **FEBS Lett** 1980 Dec 1;121(2):193–9
Non-polyadenylated mRNAs from eukaryotes. Katinakis PK, et al. **FEBS Lett** 1980 Jul 11;116(1):1–7 (111 ref.)
Evidence for a complex class of nonadenylated mRNA in Drosophila. Zimmerman JL, et al. **Genetics** 1980 Jul; 95(3):673–91
Epstein-Barr virus RNA. VI. Viral RNA in restringently and abortively infected Raji cells. King W, et al. **J Virol** 1981 May;38(2):649–60
Yeast histone mRNA is polyadenylated. Fahrner K, et al. **Nucleic Acids Res** 1980 Dec 11;8(23):5725–37
Nucleotide sequences of 4.5S RNAs associated with poly(A)-containing RNAs of mouse and hamster cells. Harada F, et al. **Nucleic Acids Res** 1980 Mar 25; 8(6):1273–85
Characterization of cloned cDNA sequences derived from Xenopus laevis poly A(+) oocyte RNA. Jacob E. **Nucleic Acids Res** 1980 Mar 25;8(6):1319–37
General occurrence and transcription of intervening sequences in mouse genes expressed via polyadenylated mRNA. Maxwell IH, et al. **Nucleic Acids Res** 1980 Dec 11;8(23):5875–94
Multiple polyadenylation sites in a mouse alpha-amylase gene. Tosi M, et al. **Nucleic Acids Res** 1981 May 25; 9(10):2313–23
The construction of a recombinant cDNA library representative of the poly(A)+ mRNA population from normal human lymphocytes. Woods D, et al. **Nucleic Acids Res** 1980 Nov 25;8(22):5157–68
Translation of tyrosine hydroxylase from poly(A)-mRNA in pheochromocytoma cells is enhanced by dexamethasone. Baetge EE, et al. **Proc Natl Acad Sci USA** 1981 Feb; 78(2):1269–73
Translational activity and functional stability of human fibroblast beta 1 and beta 2 interferon mRNAs lacking 3'-terminal RNA sequences. Soreq H, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1741–5

IMMUNOLOGY

Antibodies to polyadenylic acid in patients with myasthenia gravis. Fischbach M, et al. **Clin Exp Immunol** 1981 Jan; 43(1):73–9

ISOLATION & PURIFICATION

Characterization of a poly(A)+RNA-containing structural component directly associated with cytoplasmic membranes in dormant Artemia cysts. Lake M, et al. **Biochim Biophys Acta** 1980 Sep 19;609(2):286–95
Poly(adenylic acid)-containing and -deficient messenger RNA of mouse liver. Moffett RB, et al. **Biochim Biophys Acta** 1981 Jan 29;652(1):177–92
A modified nucleotide in the poly(A) tract of maize RNA. Nichols JL, et al. **Biochim Biophys Acta** 1981 Jan 29; 652(1):99–108
Isolation of developmentally regulated genes from Dictyostelium. Rowekamp W, et al. **Dev Biol** 1980 Oct; 79(2):409–18
Non-polysomal poly(A)-containing messenger ribonucleoproteins of cryptobiotic gastrulae of Artemia salina. Slegers H, et al. **Eur J Biochem** 1981 Jun; 117(1):111–20
High molecular weight messenger RNA in polysomes of osmotic dependent Saccharomyces cerevisiae mutants. Venkov PV, et al. **Int J Biochem** 1981;13(1):83–90
Purification of major abundance class of poly(A+)-RNA from rat ventral prostate. Mansson PE, et al. **Mol Cell Endocrinol** 1980 Sep;19(3):229–41
Isolation of catfish proinsulin messenger RNA and synthesis of its complementary DNA. Permutt MA, et al. **Mol Cell Endocrinol** 1980 Aug;19(2):197–211
Hydrophobic affinity chromatography of nucleic acids and proteins. II. Activity of trityl Sepharose immobilized enzymes. Cashion P, et al. **Nucleic Acids Symp Ser** 1980; (7):173–89

METABOLISM

The site at which late mRNAs are polyadenylated is altered in SV40 mutant dl882. Fitzgerald M, et al. **Ann NY Acad Sci** 1980;354:53–9
Metabolism of poly (A)-containing mRNA in myocardium under normal physiological conditions and compensatory cardiac hyperfunction. Meerson FZ, et al. **Basic Res Cardiol** 1981 Mar-Apr;76(2):124–35
Synthesis in vitro of urokinase-like material using polyA(+)RNA from human kidney and from cultured human embryonic kidney cells. Bollen A, et al. **Biochem Biophys Res Commun** 1980 Nov 17;97(1):207–15
Effect of chronic ethanol and sucrose ingestion on liver polysomal poly(A)mRNA content and incorporation of [5-(3)H]uridine into mRNA. Bantle JA, et al. **Biochem Pharmacol** 1980 Nov 1;29(21):2993–3001
Complexity of polyadenylated RNA in autotrophic and acetate-adapted cells of Chlorella fusca var, vacuolata. McBride NK, et al. **Biochem Soc Trans** 1980 Dec;8(6):736–7
Heat shock induced alterations in polyadenylate metabolism in Drosophila melanogaster. Brandt C, et al. **Biochemistry** 1980 Dec 23;19(26):6152–8
Physical studies of the interaction of a calf thymus helix-destablizing protein with nucleic acids. Karpel RL, et al. **Biochemistry** 1980 Sep 30;19(20):4674–82
Isolation and characterization of complementary deoxyribonucleic acid complementary to the highly abundant class of poly(adenylic acid)-containing ribonucleic acid from oocytes of Drosophila melanogaster. Weide CM, et al. **Biochemistry** 1980 Oct 28;19(22):5092–8
The metabolic behaviour of nuclear and cytoplasmic non-polyadenylated RNAs with an affinity for poly(adenylic acid) from Friend murine leukaemia cells. Katinakis PK, et al. **Biochim Biophys Acta** 1981 Mar 26; 653(1):39–51
Metabolism of poly(A) sequences during 3T3 cell growth regulation. Sajdel-Sulkowska E, et al. **Biochim Biophys Acta** 1980 Nov 14;610(1):147–57
Translation of poly-A RNA from rat liver in vitro. Evidence for a high molecular weight subunit of tyrosine aminotransferase. Wagner H, et al. **Biochim Biophys Acta** 1980 Aug 26;609(1):53–60
Poly(A) polymerase and poly(A)-degrading activities in human acute leukaemia cells. Capone G, et al. **Boll Soc Ital Biol Sper** 1981 Feb 15;57(3):241–5
Comparison of the sequence complexity and abundance frequency of polyadenylated messenger RNA in human breast and prostate carcinoma cells. Arya SK. **Cancer Res** 1981 Sep;41(9 Pt 1):3566–70
Accumulation of individual pA+ RNAs during oogenesis of Xenopus laevis. Golden L, et al. **Cell** 1980 Dec; 22(3):835–44
Identification of the primary translation product of elastic mRNA. Cheah KS, et al. **Connect Tissue Res** 1981; 8(3-4):205–8
Interactions of oligopeptides with nucleic acids. Helene C, et al. **CRC Crit Rev Biochem** 1981;10(3):213–58 (171 ref.)
RNA synthesis and coding capacity of polyadenylated and nonpolyadenylated mRNA from cultures of differentiating Drosophila melanogaster myoblasts. Bernstein SI, et al. **Dev Biol** 1980 Oct;79(2):388–98
Changes in the abundance of polyadenylated RNAs in development of Drosophila melanogaster analyzed with cloned DNA fragments. Biessmann H. **Dev Biol** 1981 Apr 15;83(1):62–8
Changes in the complexity of nuclear RNA during development of Dictyostelium discoideum. Blumberg DD, et al. **Dev Biol** 1981 Jan 15;81(1):74–80
Ontogeny of maternal and newly transcribed mRNA analyzed by in situ hybridization during development of Caenorhabditis elegans. Hecht RM, et al. **Dev Biol** 1981 Apr 30;83(2):374–9
Changes in the polyadenylated messenger RNA population during development of Dictyostelium discoideum. Jacquet M, et al. **Dev Biol** 1981 Jan 15;81(1):155–66
A transient accumulation of poly(A)-containing RNA in the tapetum of Hyoscyamus niger during microsporogenesis. Raghavan V. **Dev Biol** 1981 Jan 30;81(2):342–8
Casein and alpha-lactalbumin messenger RNAs during the

development of mouse mammary gland. Isolation, partial purification, and translation in a cell-free system. Takemoto T, et al. **Dev Biol** 1980 Aug;78(2):247-57

The differential phosphorylation of free cytoplasmic and membrane-bound polysomal poly(A)mRNP particles in the bovine adrenal cortex. Moore RE, et al. **Endocrinology** 1980 Oct;107(4):1264-5

Turnover of the poly(A) moiety of mRNA in wheat-germ extract. Abraham AK, et al. **Eur J Biochem** 1980 Sep; 110(1):1-5

Utilization of polyadenylate mRNA during growth and starvation in Physarum polycephalum. Brown AJ, et al. **Eur J Biochem** 1980 Sep;110(2):413-20

Sequence diversity of nuclear and polysomal polyadenylated and non-polyadenylated RNA in normal and regenerating rat liver. Grady LJ, et al. **Eur J Biochem** 1981 Apr; 115(2):241-5

Comparisons of proteins associated with duck-globin mRNA and its polyadenylated segment in polyribosomal and repressed free messenger ribonucleoprotein complexes. Vincent A, et al. **Eur J Biochem** 1981 Feb;114(2):179-93

Complexity of polysomal poly(A)RNA in different developmental stages of a non-differentiating neuroblastoma clone. Berthelot F, et al. **FEBS Lett** 1980 Dec 15;122(1):109-12

Cell-free translation of the rat pituitary messenger RNA coding for the precursors of alpha and beta subunits of lutropin. Counis R, et al. **FEBS Lett** 1981 Jan 26; 123(2):151-5

Selective alkylation of poly(A) tracts of RNA inside the cell with the derivative of ethyl ester of oligothymidilate bearing 2-chloroethylamino group. Karpova GG, et al. **FEBS Lett** 1980 Dec 15;122(1):21-4

Changes in amount and synthesis of poly(A)- and poly(A)+ RNA in growing and resting cultures of Tetrahymena. Rinaldy AR. **J Biochem (Tokyo)** 1980 Aug;88(2):291-6

Polyadenylated RNA sequences which are reduced in concentration following auxin treatment of soybean hypocotyls. Baulcombe DC, et al. **J Biol Chem** 1980 Sep 25;255(18):88907-13

Cotton messenger RNA sequences exist in both polyadenylated and nonpolyadenylated forms. Galau GA, et al. **J Biol Chem** 1981 Mar 10;256(5):2551-60

Cell-free synthesis and processing of the precursors to the subunits of luteinizing hormone. Godine JE, et al. **J Biol Chem** 1981 Mar 10;256(5):2475-9

Effects of insulin on messenger RNA activities in rat liver. Hill RE, et al. **J Biol Chem** 1981 Feb 25;256(4):1510-3

Quantitative isolation of oligo- and polyadenosine-diphosphoribosylated proteins by affinity chromatography from livers of normal and dimethylnitrosamine-treated Syrian hamsters. In vivo and in vitro metabolism of the homopolymer. Romaschin AD, et al. **J Biol Chem** 1981 Aug 10;256(15):7800-5

Distribution of poly(A)-containing RNA during normal pollen development and during induced pollen embryogenesis in Hyoscyamus niger. Raghavan V. **J Cell Biol** 1981 Jun;89(3):593-606

Addition of poly(A) to nuclear RNA occurs soon after RNA synthesis. Salditt-Georgieff M, et al. **J Cell Biol** 1980 Sep; 86(3):844-8

Loss of the polyadenylate segment from mammalian messenger RNA. Selective cleavage of this sequence from polyribosomes. Bergmann IE, et al. **J Mol Biol** 1980 May 25;139(3):439-54

Brain poly(A)RNA during aging: stability of yield and sequence complexity in two rat strains. Colman PD, et al. **J Neurochem** 1980 Feb;34(2):335-45

Poly(A)- and nonpoly(A)-RNA associated with rat brain microsomal fractions: in vivo labelling studies. Czosnek H, et al. **J Neurosci Res** 1980;5(6):515-30

Polyadenylation sites for influenza virus mRNA. Robertson JS, et al. **J Virol** 1981 Apr;38(1):157-63

Poly(A)-mRNA deprimerones in rat liver and Novikoff hepatoma cells. Hiliar M, et al. **Mol Biol Rep** 1980 Jul 31;6(2):89-94

Cytoplasmic processing events in the polyadenylate region of Physarum messenger RNA. Jeffery WR, et al. **Mol Biol Rep** 1981 May 22;7(1-3):63-70

Comparison of polysomal and nuclear poly(A)-containing RNA populations from normal rat liver and Novikoff hepatoma. Capetanaki YG, et al. **Nucleic Acids Res** 1980 Jul 25;8(14):3193-214

Ribonucleotide sequences non-adjacent to poly(A) participate in the poly(A)-protein complex in 15S duck globin mRNP particles. Goldenberg S, et al. **Nucleic Acids Res** 1980 Nov 11;8(21):5057-70

Post-transcriptional regulation of messenger abundance in rat liver and hepatoma. Jacobs H, et al. **Nucleic Acids Res** 1980 Jul 25;8(14):3087-103

Post-transcriptional modification of the poly(A) length of galactose-1-phosphate uridyl transferase mRNA in Saccharomyces cerevisiae. Saunders CA, et al. **Nucleic Acids Res** 1980 Sep 11;8(17):3841-9

Polycistronic vesicular stomatitis virus RNA transcripts. Herman RC, et al. **Proc Natl Acad Sci USA** 1980 Aug; 77(8):4662-5

Labelling pattern of nuclear and messenger poly(A)-containing RNA from liver of triiodothyronine-treated rats. Cordone A, et al. **Ital J Biochem** 1981 Jan-Feb;30(1):1-8 **(eng)**

[Biosynthesis of collagen in a cell-free system from wheat germ on poly(A)-RNA isolated from membrane-bound polyribosomes of chicken embryos] Berman AE, et al. **Biokhimiia** 1980 Jan;45(1):63-74 (Eng. Abstr.) **(Rus)**

[Modification of the half-life of poly (A+)mRNA in liver and brain cells of the rat during embryogenesis and postnatal development] Khasigov PZ, et al. **Biokhimiia** 1980 Oct;45(10):1886-96 (Eng. Abstr.) **(Rus)**

[Ratio of the amounts of the mRNA poly A+/poly A- fractions in the myocardium and the life span of mRNA poly A+] Iavich MP. **Kardiologiia** 1981 Apr;21(4):91-4 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

A study of antitemplate inhibition of mammalian, bacterial and viral DNA polymerases by 2- and 2'-substituted derivatives of polyadenylic acid. Chandra P, et al. **Cancer Lett** 1981 Apr;12(3):181-93

PHYSIOLOGY

Evidence for distinct mRNAs for ferritin subunits. Watanabe N, et al. **Biochem Biophys Res Commun** 1981 Jan 30; 98(2):507-11

RADIATION EFFECTS

Specific photoalkylation of poly U and of poly A with 2-propanol and their messenger properties. Livneh Z, et al. **Photochem Photobiol** 1980 Aug;32(2):131-5

POLY A POLYMERASE see under **NUCLEOTIDYLTRANSFERASES**

POLY A-U

[Formation of a complex of spin label 9-aminoacridine with DNA and polynucleotides] Mil' EM, et al. **Izv Akad Nauk SSSR [Biol]** 1980 Jul-Aug;(4):512-18 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Template-independent poly(A) x poly(U) synthesizing activity of different forms of Bacillus subtilis RNA polymerase. Dooley MM, et al. **Biochim Biophys Acta** 1980 Nov 14;610(1):158-66

IMMUNOLOGY

Electron microscopy of the reactions of anti-poly A. poly U and anti-poly I. poly C antibodies with synthetic polynucleotide complexes and natural nucleic acids. Nahon-Merlin E, et al. **Nucleic Acids Res** 1980 Apr 25; 8(8):1805-22

PHARMACODYNAMICS

[Effect of polyanions on macrophage-lymphocyte interaction] Lysenko AI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Feb;(2):84-7 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Adjuvant immunotherapy using polyadenylic acid and polyuridylic acid (Poly A., Poly U.) in operable carcinoma of the breast (author's transl)] Lacour F, et al. **Chirurgie** 1980 Nov;106(9):737-43 (Eng. Abstr.) **(Fre)**

POLY ADENOSINE DIPHOSPHATE RIBOSE see under **NUCLEOSIDE DIPHOSPHATE SUGARS**

POLY ADP RIBOSE POLYMERASE see under **NAD NUCLEOSIDASE**

POLY C see under **POLYRIBONUCLEOTIDES**

POLY DA-DT see under **POLYDEOXYRIBONUCLEOTIDES**

POLY G see under **POLYRIBONUCLEOTIDES**

POLY I see under **POLYRIBONUCLEOTIDES**

POLY I-C

ADMINISTRATION & DOSAGE

[Smallpox vaccination with protection by interferon and an interferon inducer] Bektemirov TA, et al. **Vopr Virusol** 1980 Jan-Feb;(1):76-8 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Minimal interferon induction in dogs, using a modified polyriboinosinic-polyribocytidylic acid complex. Smith JS, et al. **Am J Vet Res** 1980 Nov;41(11):1833-5

ANALYSIS

Positive Limulus amoebocyte lysate reactions with polyriboinosinic acid x polyribocytidylic acid. Elin RJ, et al. **J Clin Microbiol** 1980 Oct;12(4):502-5

BIOSYNTHESIS

Induction of poly(I):poly(C)-binding 50 K protein and 2',5'-oligoadenylate synthetase in interferon-treated mouse L929 cells. Sokawa Y. **J Biochem (Tokyo)** 1980 Jul; 88(1):159-66

IMMUNOLOGY

Demonstrations of the production of specific antibodies to poly(I).poly(C) in rabbits. Kitagawa Y, et al. **J Biochem (Tokyo)** 1980 Dec;88(6):1607-13

Electron microscopy of the reactions of anti-poly A. poly U and anti-poly I. poly C antibodies with synthetic polynucleotide complexes and natural nucleic acids. Nahon-Merlin E, et al. **Nucleic Acids Res** 1980 Apr 25; 8(8):1805-22

PHARMACODYNAMICS

Immune modulating effects of poly ICLC. Levy HB, et al. **Ann NY Acad Sci** 1980;350:33-41

Synthesis, structure, and function of poly(I).poly(C)-induced human fibroblast interferon mRNA. Sehgal PB, et al. **Ann NY Acad Sci** 1980;350:405-12

Polygenic control of interferon production induced by poly I:C in vivo. Brief report. Pugliese A, et al. **Arch Virol** 1980; 65(1):83-7

Selective depression of hepatic cytochrome P-450 hemoprotein by interferon inducers. Zerkle TB, et al. **Biochem Biophys Res Commun** 1980 Sep 16;96(1):121-7

Proliferation inhibition of murine pluripotent haemopoietic stem cells by interferon or poly I:C. Gidáli J, et al. **Cell Tissue Kinet** 1981 Jan;14(1):1-7

Polyclonal B-cell activation of autoantibodies (CBA/N x NZB)F1 mice by polyinosinic polycytidylic acid. Reeves JP, et al. **Clin Immunol Immunopathol** 1981 May; 19(2):170-80

Inhibition of the leukemogenicity of myeloid leukemic cells in mice and in vivo induction of normal differentiation of the cells by poly(I) . poly(C). Tomida M, et al. **Gan** 1980 Aug;71(4):457-63

The effect of immunopharmacological agents on mouse natural cell-mediated cytotoxicity and on its augmentation by poly I:C. Djeu JY, et al. **Immunopharmacology** 1979 Jun;1(3):231-44

Variations in the contribution of induced interferon and adjuvanticity to the antiviral effect of different polyinosinic acid . polycytidylic acid formulations in mice infected with encephalomyocarditis virus. Stebbing N, et al. **Infect Immun** 1980 Sep;29(3):960-5

Double-stranded RNA causes synthesis of 2',5'-oligo(A) and degradation of messenger RNA in interferon-treated cells. Nilsen TW, et al. **J Biol Chem** 1981 Aug 10;256(15):7806-11

Activation of murine macrophages. I. Different pattern of activation by poly I:C than by lymphokine or LPS. Taramelli D, et al. **J Immunol** 1981 Jul;127(1):58-63

Susceptibility of influenza viruses to interferon and to poly(I) . Poly(C) determined by the plaque reduction method. Machida H, et al. **Microbiol Immunol** 1980;24(8):725-31

The messenger RNA sequences in human fibroblast cells induced with poly rI.rC to produce interferon. Raj NB, et al. **Nucleic Acids Res** 1980 Aug 11;8(15):3427-37

Synthesis of new proteins associated with the induction of interferon in human fibroblast cells. Raj NB, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4918-22

Regulation of the stability of poly(I)xpoly(C)-induced human fibroblast interferon mRNA: selective inactivation of interferon mRNA and lack of involvement of 2',5'-oligo(A) synthetase activation during the shutoff of interferon production. Sehgal PB, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3489-93

Properties of poly(I).poly(C)-induced mouse L cell interferon. Vonk WP, et al. **Virology** 1981 Aug; 113(1):388-91

THERAPEUTIC USE

Poly ICLC in the treatment of postinfectious demyelinating encephalomyelitis. Salazar AM, et al. **Arch Neurol** 1981 Jun;38(6):382-3

[Effect of a modified polyinosinic acid--polycytidylic acid complex against herpes simplex keratitis in monkeys (author's transl)] Teranishi H. **Nippon Ganka Gakkai Zasshi** 1980 Sep 10;84(9):1198-204 (Eng. Abstr.) **(Jpn)**

[Comparative study of the effectiveness of the interferon inducers, poly(I) : poly(C) and GSS (gossypol-beta-aminoethylsodium sulfate), in combination with a specific vaccine in experimental infection with the human acute encephalomyelitis virus] Vagabov RM, et al. **Vopr Virusol** 1980 May-Jun;(3):334-7 (Eng. Abstr.) **(Rus)**

TOXICITY

Modified polyriboinosinic-polyribocytidylic acid complex: modulation of toxicity for rabbits by alterations in components. Gatmaitan BG, et al. **Antimicrob Agents Chemother** 1980 Sep;18(3):409-15

POLY T see under **POLYDEOXYRIBONUCLEOTIDES**

POLY U

Interactions of a 5-nitroxide-labeled poly(uridylic acid) with poly(adenylic acid). Langemeier PW, et al. **Arch Biochem Biophys** 1981 Apr 15;208(1):205-11

Chemical modification of ribonucleic acid. A direct study by carbon-13 nuclear magnetic resonance spectroscopy. Chang C, et al. **Biochemistry** 1981 Apr 28;20(9):2657-61

Oligo(U)- and poly(U)-containing RNA of wheat embryo. Dobrzanska M, et al. **Biochim Biophys Acta** 1980 Oct 17; 609(3):425-34

Ribosomal synthesis of polyleucine on polyuridylic acid as a template: contribution of the elongation factors. Gavrilova LP, et al. **FEBS Lett** 1980 Oct 20;120(1):135-40

Poly(U)-directed peptide-bond formation from the 2'(3')-glycyl esters of adenosine derivatives. Weber AL, et al. **J Mol Evol** 1980 Sep;16(1):1-10

Thermal stability of poly(A) and poly(U) complexes in H2O and D2O: isotopic effects on critical temperatures and transition widths. Cupane A, et al. **Nucleic Acids Res** 1980 Sep 25;8(18):4283-303

Complex formation between spin-labeled polyuridylic acid and pyrimidine nucleosides. Petrov AI. **Nucleic Acids Res** 1980 Dec 11;8(23):5913-29

Effect of polynucleotides and a basic protein on the condensation of phenylalanyl adenylate. Ishigami M, et al. **Orig Life** 1980 Sep;10(3):293-9

ANALOGS & DERIVATIVES

Structure and stability of complexes between poly-5-bromouridylic acid and 2,9-dimethyladenine or 2-methyladenosine. Higuchi S, et al. **Nucleic Acids Symp Ser** 1980;(8):s143-5

BIOSYNTHESIS

Isolation of a foot-and-mouth disease polyuridylic acid polymerase and its inhibition by antibody. Polatnick J. **J Virol** 1980 Feb;33(2):774-9

Enzymatic synthesis of polyuridylic acid containing modified bases. Ho YK, et al. **Nucleic Acids Res** 1980 Jul 25; 8(14):3175-91

DIAGNOSTIC USE

Characterization of subcellular poly(A) RNA populations by poly(U) sepharose chromatography and discontinuous elution. Bynum JW, et al. **Anal Biochem** 1980 Sep 15; 107(2):406-16

IMMUNOLOGY

Elevated levels of antibodies to polyuridylic acid detected and quantitated in systemic scleroderma patients by solid phase radioimmunoassay. Heinzerling RH, et al. **J Invest Dermatol** 1980 Sep;75(3):224-7

METABOLISM

Physical studies of the interaction of a calf thymus helix-destablizing protein with nucleic acids. Karpel RL, et al. **Biochemistry** 1980 Sep 30;19(20):4674-82

Interaction of selectively spin-labeled 70S ribosomes with tRNAPhe. An electron paramagnetic resonance study. Rodriguez A, et al. **Can J Biochem** 1981 May;59(5):311-4

A GTPase reaction accompanying the rejection of Leu-tRNA2 by UUU-programmed ribosomes. Proofreading of the codon-anticodon interaction by ribosomes. Thompson RC, et al. **J Biol Chem** 1981 Jan 10;256(1):81-6

Comparative study of the interaction of polyuridylic acid with 30S subunits and 70S ribosomes of Escherichia coli. Katunin VI, et al. **Nucleic Acids Res** 1980 Jan 25; 8(2):403-21

Reactivity of reverse transcriptase toward (s4U,U)n copolymers and spin-labeled nucleic acid lattices. Warwick PE, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4574-7

[Ribosomal synthesis of polyleucine on a polyuridylic acid matrix in a cell-free translation system] Rutkevich NM, et al. **Dokl Akad Nauk SSSR** 1980;254(3):766-8 **(Rus)**

PHARMACODYNAMICS

Effect of preincubation in the cold on poly(U)-dependent polyphenylalanine synthesis in a cell-free rat liver system. Noll F, et al. **Acta Biol Med Ger** 1980;39(1):41-6

Adjuvant actions of polyclonal lymphocyte activators. III. Two distinct types of T-initiating adjuvant action demonstrated under different experimental conditions. Nakashima I, et al. **Cell Immunol** 1980 Jul 1;52(2):429-37

RADIATION EFFECTS

Specific photoalkylation of poly U and of poly A with 2-propanol and their messenger properties. Livneh Z, et al. **Photochem Photobiol** 1980 Aug;32(2):131-5

THERAPEUTIC USE

The antiviral activity of amantadine and poly (C,S4U) on influenza virus infection of infant rats. Potter CW, et al. **J Antimicrob Chemother** 1981 May;7(5):575-84

POLYADENYLIC ACIDS see **POLY A**

POLYAMIDES see **NYLONS**

POLYAMINES

Polyelectrolyte effects in DNA condensation by polyamines. Bloomfield VA, et al. **Biophys Chem** 1980 Jun; 11(3-4):339-43

Structure of viral phi 29 DNA condensed by simple triamines: a light-scattering and electron-microscopy study. Allison SA, et al. **Biopolymers** 1981 Mar;20(3):469-88

Possible role of polyamines in the function of brown adipose tissue. Kuroshima A, et al. **Jpn J Physiol** 1980;30(6):935-43

Polyamines in lymphomas: their value in disease staging and monitoring of therapy efficiency. Milano G, et al. **Nouv Rev Fr Hematol** 1980;22(3):249-55

Nitroaniline diamine.poly(dA-dT) complexes: 1H and 19F NMR parameters for full intercalation of aromatic rings into DNA. Patel DJ, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1351-5

ADMINISTRATION & DOSAGE

Colestipol plus nicotinic acid in treatment of heterozygous familial hypercholesterolaemia. Illingworth DR, et al. **Lancet** 1981 Feb 7;1(8215):296-8

Normalization of low-density-lipoprotein levels in heterozygous familial hypercholesterolemia with a combined drug regimen. Kane JP, et al. **N Engl J Med** 1981 Jan 29;304(5):251-8

ANALYSIS

Determination of putrescine, spermine and spermidine in human tissues of prostate and kidney. Dunzendorfer U, et al. **Arzneimittelforsch** 1980;30(10):1801-4

Effect of cell synchronization techniques on polyamine content of HeLa cells. Goyns MH. **Experientia** 1980 Aug 15;36(8):936-7

Determination of polyamines by ion-exchange thin-layer chromatography and video-densitometry. Bardócz S, et al. **J Chromatogr** 1981 Apr 10;223(1):198-201

Simple method for the simultaneous determination of histamine, polyamines and histone H1. Endo Y. **J Chromatogr** 1981 Jan 23;205(1):155-64

High-performance liquid chromatographic procedure for the simultaneous determination of the natural polyamines and their monoacetyl derivatives. Seiler N, et al. **J Chromatogr** 1980 Dec 12;221(2):227-35

Polyamines in some tarantula venoms. Cabbiness SG, et al. **Toxicon** 1980;18(5-6):6[illegible]-3

Polyamines, hydrolases, (PAP, LAP, SDH, plasmin) TSH, T3, T4 and C-peptide in benign hyperplasia of the prostate. Dunzendorfer U, et al. **Urol Res** 1981;9(3):137-42

[Clinical significance of polyamine measurement in laryngeal tumors] Motta G Jr, et al. **Ann Laringol Otol Rinol Faringol** 1978;76(5-6):499-510 (Eng. Abstr.) **(Ita)**

[The clinical significance of determination of red blood cell and urinary polyamines in gynecologic malignancy (author's transl)] Hayase R, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Jan;33(1):107-16 (Eng. Abstr.) **(Jpn)**

[Cerebral and hepatic arginase and polyamines in the mechanisms of the protective effect of arginine in hyperoxia] Krichevskaia AA, et al. **Biull Eksp Biol Med** 1981 Apr;91(4):445-7 (Eng. Abstr.) **(Rus)**

[Putrescine and polyamines in human and rat cerebral gliomas] Mirzoian RA, et al. **Vopr Med Khim** 1980 May-Jun;26(3):379-81 (Eng. Abstr.) **(Rus)**

[Polyamines and cancer] Loria D, et al. **Medicina (B Aires)** 1980 Sep-Oct;40(5):607-12 **(Spa)**

ANTAGONISTS & INHIBITORS

Induction of polyamine limitation in Chinese hamster ovary cells by alpha-methylornithine. Harada JJ, et al. **J Cell Physiol** 1981 Jun;107(3):413-26

BIOSYNTHESIS

The influence of retinoids on polyamine and DNA synthesis in mouse epidermis. Boutwell RK, et al. **Ann NY Acad Sci** 1981 Feb 27;359:275-80

Effect of methylglyoxal bisguanylhydrazone on polyamine biosynthesis, growth, and differentiation of cultured keratinocytes. Proctor MS, et al. **Arch Dermatol Res** 1980; 269(1):61-8

Inhibition of polyamine biosynthesis by alpha-difluoromethyl ornithine potentiates the cytotoxic effects of arabinosyl cytosine in HeLa cells. Sunkara PS, et al. **Biochem Biophys Res Commun** 1980 Jul 16;95(1):423-30

Regulation of polyamine biosynthesis in normal and transformed hamster cells in culture. O'Brien TG, et al. **Biochim Biophys Acta** 1980 Oct 1;632(2):270-83

Construction of an Escherichia coli strain unable to synthesize putrescine, spermidine, or cadaverine: characterization of two genes controlling lysine decarboxylase. Tabor H, et al. **J Bacteriol** 1980 Dec; 144(3):952-6

Ornithine decarboxylase in skin. Lesiewicz J, et al. **J Invest Dermatol** 1980 Sep;75(3):207-10

Inhibitors of polyamine biosynthesis. 9. Effects of S-adenosyl-L-methionine analogues on mammalian aminopropyltransferases in vitro and polyamine biosynthesis in transformed lymphocytes. Pankaskie MC, et al. **J Med Chem** 1981 May;24(5):549-53

Neurochemical aspects of neuronal ontogenesis in the developing rat cerebellum: changes in neurotransmitter and polyamine synthesizing enzymes. Gilad GM, et al. **J Neurochem** 1979 Dec;33(6):1195-204

Antiproliferative effects of inhibitors of polyamine synthesis in tumors of neural origin. Chapman SK, et al. **J Pharm Sci** 1980 Jun;69(6):733-5

Murine lymphocyte comitogenesis by phorbol esters, and its inhibition by retinoic acid and inhibitors of polyamine biosynthes.s. Fish LA, et al. **Toxicol Appl Pharmacol** 1981 Mar 30;58(1):39-47

[Polyamines and cancer] Jänne J. **Duodecim** 1979; 95(18):1113-6 **(Fin)**

[Reversible disorder of polyamine and DNA synthesis in regenerating rat liver] Mikhailovskiĭ VO, et al. **Biull Eksp Biol Med** 1980 Aug;90(8):165-7 (Eng. Abstr.) **(Rus)**

BLOOD

Raised polyamines in erythrocytes from melanoma-bearing mice and patients with solid tumours. Takami H, et al. **Br J Cancer** 1980 May;41(5):751-6

A rapid gas chromatographic method for the determination of plasma polyamines and its application to the prediction of tumour response to chemotherapy. Bakowski MT, et al. **Clin Chim Acta** 1981 Mar 5;110(2-3):273-86

Effects of human growth hormone on blood polyamines in hypopituitarism. Bernasconi S, et al. **Helv Paediatr Acta** 1980 May;35(2):141-8

Plasma polyamine levels in patients with liver insufficiency. Desser H, et al. **J Clin Chem Clin Biochem** 1981 Mar; 19(3):159-64

Rapid detection of polyamines in the sera of patients with colorectal carcinoma by liquid ion-exchange chromatography. Desser H, et al. **Oncology** 1980; 37(6):376-80

Polyamines and polyamine complexes: analytical comments. Bartos D, et al. **Physiol Chem Phys** 1980;12(5):473-80

[Polyamine and histamine contents in the blood of pigmented, depigmented and melanoma bearing Lipizzaner horses] Desser H, et al. **Zentralbl Veterinaermed [A]** 1980 Feb; 27(1):45-53 (Eng. Abstr.) **(Ger)**

[Serial evaluation of blood polyamines in children treated with growth hormone] Casti A, et al. **Ateneo Parmense [Acta Biomed]** 1979;50(1):59-67 (Eng. Abstr.) **(Ita)**

[Concentrations of polyamines in maternal and umbilical-cord blood and in the amniotic fluid during normal human pregnancy and in feto-placental insufficiency] Casti A, et al. **Ateneo Parmense [Acta Biomed]** 1979;50(1):15-26 (Eng. Abstr.) **(Ita)**

[Changes of red blood cells' polyamines during fetal and neonatal periods (author's transl)] Hiramatsu Y, et al. **Acta Obstet Gynaecol Jpn** 1981 Apr;33(4):442-8 (Eng. Abstr.) **(Jpn)**

CEREBROSPINAL FLUID

CSF polyamines. Potential as brain tumor markers. Marton LJ. **Arch Neurol** 1981 Feb;38(2):73-4

CSF polyamines: a new and important means of monitoring patients with medulloblastoma. Marton LJ, et al. **Cancer** 1981 Feb 15;47(4):757-60

Cerebrospinal fluid polyamines in patients with Glioblastoma multiforme and anaplastic astrocytoma. Fulton DS, et al. **Cancer Res** 1980 Sep;40(9):3293-6

METABOLISM

Paradoxical effect of perchlorate on thyroidal weight, glucose 6-phosphate dehydrogenase and polyamines in methylthiouracil-treated rats. Matsuzaki S, et al. **Acta Endocrinol (Copenh)** 1981 Aug;97(4):491-5

Transglutaminases in mammalian reproductive tissues and fluids: relation to polyamine metabolism and semen coagulation. Williams-Ashman HG, et al. **Adv Enzyme Regul** 1980;18:239-58

Polyamine metabolism during cardiac hypertrophy. Pegg AE, et al. **Am J Physiol** 1980 Nov;239(5):E372-8

Covalent binding of polyamines to proteins in HTC cells. Canellakis ZN, et al. **Biochem Biophys Res Commun** 1981 May 29;100(2):675-80

Androgenic regulation of 5'-deoxy-5'-methylthioadenosine concentrations and methylthioadenosine phosphorylase activity in relation to polyamine metabolism of rat prostate. Seidenfeld J, et al. **Biochem Biophys Res Commun** 1980 Aug 29;95(4):1861-8

Regulation of S-adenosylmethionine decarboxylase by polyamines in Ehrlich ascites-carcinoma cells grown in culture. Alhonen-Hongisto L. **Biochem J** 1980 Sep 15; 190(3):747-54

Polyamine and amino acid content, and activity of polyamine-synthesizing decarboxylases, in liver of streptozotocin-induced diabetic and insulin-treated diabetic rats. Brosnan ME, et al. **Biochem J** 1980 Aug 15; 190(2):395-403

Acetylation of spermidine in polyamine catabolism. Seiler N, et al. **Biochim Biophys Acta** 1980 Dec 1;633(2):181-90

Uptake and excretion of polyamines from baby hamster kidney cells (BHK-21/C13). The effect of serum on confluent cell cultures. Wallace HM, et al. **Biochim Biophys Acta** 1981 Aug 5;676(1):25-30

Induction of cytokinesis by interaction between actin and polyamines. Oriol-Audit C. **Biochimie** 1980;62(10):713-4

Reassociation of eukaryotic ribosomal subunits and

polyamine concentration in Yoshida ascites hepatoma and Ehrlich ascites carcinoma cells during growth. Comolli R, et al. **Cancer Biochem Biophys** 1980;5(1):25–31

Formation of acetylpolyamines and putrescine from spermidine by normal and transformed chick embryo fibroblasts. Bachrach U, et al. **Cancer Res** 1981 Mar; 41(3):1205–8

Abnormal regulation of methylthioadenosine and polyamine metabolism in methylthioadenosine phosphorylase–deficient human leukemic cell lines. Kamatani N, et al. **Cancer Res** 1980 Nov;40(11):4178–82

Independence of drug action on mitochondria and polyamines in L1210 leukemia cells treated with methylglyoxal–bis(guanylhydrazone). Pleshkewych A, et al. **Cancer Res** 1980 Dec;40(12):4533–40

Effect of urethan on polyamine and DNA synthesis in the regenerating rat liver. Matsui I, et al. **Chem Biol Interact** 1980 Dec;33(1):35–43

Depletion of 9L rat brain tumor cell polyamine content by treatment with D,L–alpha–difluoromethylornithine inhibits proliferation and the G1 to S transition. Seidenfeld J, et al. **Exp Cell Res** 1981 Jan;131(1):209–16

Polyamine accumulation in normal and denervated neonatal muscle. Kaminska AM, et al. **Exp Neurol** 1981 Jun; 72(3):612–8

Relationship between polyamine accumulation and RNA biosynthesis and content during the cell cycle. Goyns MH. **Experientia** 1981 Jan 15;37(1):34–5

Effect of unilateral ureteral obstruction on renal polyamine levels in rats. Selmeci L, et al. **Experientia** 1981 Jan 15; 37(1):24–5

Acetylderivatives as intermediates in polyamine catabolism. Bolkenius FN, et al. **Int J Biochem** 1981;13(3):287–92

Depletion of intracellular polyamine content does not alter the survival of 9L rat brain tumour cells after X–irradiation. Seidenfeld J, et al. **Int J Radiat Biol** 1980 Aug;38(2):223–9

Relationships between polyamine metabolism and RNA synthesis in post–ischemic liver cell repair. Ferioli ME, et al. **J Cell Physiol** 1980 Apr;103(1):121–8

Ultraviolet light and epidermal polyamines. Lowe NJ. **J Invest Dermatol** 1981 Jul;77(1):147–53

Content, synthesis, and function of polyamines in trypanosomatids: relationship to chemotherapy. Bacchi CJ. **J Protozool** 1981 Feb;28(1):20–7 (76 ref.)

The relationship between levels and rates of synthesis of polyamines during mammalian cell cycle. Sunkara PS, et al. **Life Sci** 1981 Mar 30;28(13):1497–506

Axonal transport of putrescine and the polyamines. Ingoglia NA, et al. **Neurochem Res** 1980 Aug;5(8):913–4

Diurnal levels of polyamines and activities of ornithine and S–adenosyl–L–methionine decarboxylases in mouse brain. Lapinjoki SP, et al. **Neurochem Res** 1981 Apr;6(4):377–83

Relationships between GABA and polyamines in developing rat brain. Seiler N, et al. **Neuropharmacology** 1980 Mar; 19(3):251–8

The interaction of polyamines with DNA: a 23Na NMR study. Burton DR, et al. **Nucleic Acids Res** 1981 Mar 11; 9(5):1219–28

Polyamine metabolites and conjugates in man and higher animals: a review of the literature. Aigner–Held R, et al. **Physiol Chem Phys** 1980;12(5):389–400 (109 ref.)

Conjugation of polyamines in mammalian cells in culture. Melvin MA, et al. **Physiol Chem Phys** 1980;12(5):431–9

Polyamine–peptide conjugates: proposed functions. Rennert OM, et al. **Physiol Chem Phys** 1980;12(5):441–50

On the role of GABA in vertebrate polyamine metabolism. Seiler N. **Physiol Chem Phys** 1980;12(5):411–29 (95 ref.)

Transglutaminase–mediated covalent attachment of polyamines to proteins: mechanisms and potential physiological significance. Williams–Ashman HG, et al. **Physiol Chem Phys** 1980;12(5):457–72 (75 ref.)

Ornithine decarboxylase activity and polyamine content of the placenta and decidual tissue in the rat. Hoshiai H, et al. **Placenta** 1981 Apr–Jun;2(2):105–16

Increased nuclear conjugated polyamines and transglutaminase during liver regeneration. Haddox MK, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1712–6

Alterations in polyamine levels induced by phorbol diesters and other agents that promote differentiation in human promyelocytic leukemia cells. Huberman E, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):1062–6

Polyamine metabolism: a potential therapeutic target in trypanosomes. Bacchi CJ, et al. **Science** 1980 Oct 17; 210(4467):332–4

[Polyamines in psoriasis] Grosshans E, et al. **Ann Dermatol Venereol** 1980 May;107(5):377–87 (Eng. Abstr.) **(Fre)**

[Dynamics of the elevation of hepatic polyamines after partial hepatectomy in the rat] Moulinoux JP, et al. **C R Soc Biol (Paris)** 1980;174(1):58–62 (Eng. Abstr.) **(Fre)**

[Polyamines: clinical, diagnostic and prognostic value] Cassuto JP, et al. **Rev Med Interne** 1980;1(2):197–203 (Eng. Abstr.) **(Fre)**

[Possible physiological roles of polyamines at the level of the central nervous system] Ientile R, et al. **Clin Ter** 1980 Sep 30;94(6):695–706 (Eng. Abstr.) **(Ita)**

[Polyamine as a tumor marker] Endo Y. **Nippon Rinsho** 1980 Dec;38(12):4641–6 (36 ref.) **(Jpn)**

[Alteration of biogenic amines, serotonin, histamine and polyamines, in cases of diarrhea induced by various cathartics (author's transl)] Sakurai E, et al. **Nippon Yakurigaku Zasshi** 1980 Sep;76(5):293–9 (Eng. Abstr.) **(Jpn)**

[Metabolism of polyamines (author's transl)] Okada M, et al. **Tanpakushitsu Kakusan Koso** 1980;25(9):845–55 (152 ref.) **(Jpn)**

[Polyamine content of liver, kidneys and tumors of rats during breast carcinogenesis induced by 7,12–dimethylbenz(a)anthracene] Berdinskikh NK, et al. **Ukr Biokhim Zh** 1980 Nov–Dec;52(6):727–31 (Eng. Abstr.) **(Rus)**

[Synthesis of polyamine hydrochlorides and their oxidative deamination by diamine oxidase from rapidly growing tissues] Siatkin SP. **Vopr Med Khim** 1980 May–Jun; 26(3):322–5 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Stimulation by polyamines of enzymatic methylation of two adjacent adenines near the 3' and end of 16S ribosomal RNA of Escherichia coli. Igarashi K, et al. **Biochem Biophys Res Commun** 1980 Sep 30;96(2):678–84

Polyamines stimulate natural RNA–directed DNA synthesis by Rauscher murine leukemia virus DNA polymerase. Marcus SL, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1361–8

Prevention by polyamines of the curative effect of amicarbalide and imidocarb for Trypanosoma brucei infections in mice. Bacchi CJ, et al. **Biochem Pharmacol** 1981 Apr 15;30(8):883–6

Polyamine–activated protein kinase reaction from nuclei and nucleoli of Physarum polycephalum which phosphorylates a unique Mr 70 000 nonhistone protein. Daniels GR, et al. **Biochemistry** 1981 Apr 28;20(9):2525–32

Stimulation of glycosaminoglycan sulfotransferase from chick embryo cartilage by basic proteins and polyamines. Habuchi O, et al. **Biochim Biophys Acta** 1980 Dec 4; 616(2):208–17

Effects of macrocyclic polyamines and polymethylenediamines on reactions influenced by polyamines. Igarashi K, et al. **Biochim Biophys Acta** 1980 Dec 15;633(3):457–64

Effect of polyamines on purified poly(ADP–ribose) synthetase from rat liver nuclei. Kawamura M, et al. **Biochim Biophys Acta** 1981 Jan 29;652(1):121–8

The effect of polyamines of DNA synthesis in vitro. Wallace HM, et al. **Biochim Biophys Acta** 1981 Feb 26;652(2):354–7

Regulation of the F–ATPase from mitochondria of Vigna sinensis (L.) Savi cv. Pitiuba by spermine, spermidine, putrescine, Mg2+, Na+, and K+. Peter HW, et al. **Can J Biochem** 1981 Jan;59(1):60–6

Irreversible alpha adrenoceptor blocking effects and reversible muscarinic blocking and nicotinic blocking effects of tetramine disulfides on the heart. Benfey BG, et al. **Can J Physiol Pharmacol** 1980 Dec;58(12):1477–83

Effect of polyamines on the activity of bovine pancreatic ribonuclease A using cyclic nucleotides, nucleotide benzyl esters, and polynucleotides as substrates. Kumagai H, et al. **Chem Pharm Bull (Tokyo)** 1980;28(4):1189–95

Antagonistic action between antibodies directed against 7–methylguanosine and polyamines on translation in vitro of RNA induced by measles virus. Dante R, et al. **Eur J Biochem** 1980 Sep;110(2):539–44

Induction of choline transport and its role in the stimulation of the incorporation of choline into phosphatidylcholine by polyamines in a polyamine auxotroph of Saccharomyces cerevisiae. Hosaka K, et al. **Eur J Biochem** 1981 May; 116(1):1–6

Decrease in the S1 protein of 30–S ribosomal subunits in polyamine–requiring mutants of Escherichia coli grown in the absence of polyamines. Igarashi K, et al. **Eur J Biochem** 1981;114(1):127–31

Enzymatic oxidation of polyamines. Relationship to immunosuppressive properties. Labib RS, et al. **Eur J Immunol** 1981 Mar;11(3):266–9

Inhibition of Semliki Forest and herpes simplex virus production in alpha–difluoromethylornithine–treated cells: reversal by polyamines. Tuomi K, et al. **FEBS Lett** 1980 Dec 1;121(2):292–4

Differential polyamine inhibition of Met–tRNAMetf deacylation by prostate enzymes. Mezzetti G. **Ital J Biochem** 1981 Jan–Feb;30(1):90–8

Polyamines stimulate DNA–directed DNA synthesis catalyzed by mammalian type C retroviral DNA polymerases. Marcus SL, et al. **J Biol Chem** 1981 Apr 10; 256(7):3460–4

Mediation of polyamine–induced decrease of cyclic AMP content by cyclic AMP–phosphodiesterase in chick heart cell cultures. Clô C, et al. **J Mol Cell Cardiol** 1981 Aug; 13(8):773–6

Effects of polyamines on calcium–dependent rat brain phosphatidylinositol–phosphodiesterase. Eichberg J, et al. **J Neurochem** 1981 May;36(5):1868–71

Adenylate cyclase activity of bovine spermatozoa during maturation in the epididymis and the activation of sperm particulate adenylate cyclase by GTP and polyamines. Casillas ER, et al. **J Reprod Fertil** 1980 Jul;59(2):297–302

Plasma lipid concentrations and lecithin:cholesterol acyltransferase activity in normolipidemic subjects given fenofibrate and colestipol. Heller FR, et al. **Metabolism** 1981 Jan;30(1):67–71

A cross species study of polyamine induced histamine release. Hong SM, et al. **Proc West Pharmacol Soc** 1981;24:367–9

Fixation of potentially lethal radiation damage in Chinese hamster cells by anisotonic solutions, polyamines, and DMSO. Raaphorst GP, et al. **Radiat Res** 1981 Apr; 86(1):52–66

Effects of alpha 1–acid glycoprotein on ristocetin, thrombin and Polybrene induced platelet aggregation. Coller BS. **Thromb Res** 1980 May 1–15;18(3–4):579–84

A new principle in heparin assaying based on partial neutralization of heparin with polybrene. Talstad I. **Thromb Res** 1980 May 1–15;18(3–4):485–91

Red blood cell antibody screening with groupamatic system. II. A two–step haemagglutination technique using a trypsin–polybren–citrate method. Confida S, et al. **Vox Sang** 1981 Jan;40(1):34–43

[Factors that regulate cell division and their roles in neoplasms] Zhou AR. **Sheng Li Ko Hsueh Chin Chan** 1980; 11(1):41–7 **(Chi)**

[In vitro variations of hepatic glycogenolysis after incubation of rat liver slices in the presence of polyamines] Moulinoux JP, et al. **Bull Assoc Anat (Nancy)** 1980 Sep;64(186):425–30 (Eng. Abstr.) **(Fre)**

[Enzymes activated by polyamines (author's transl)] Yoshino M, et al. **Seikagaku** 1979 Dec;51(12):1328–34 (51 ref.) **(Jpn)**

[Role of polyamines in regulating the circahoral rhythm of protein synthesis in the cell] Nechaeva NV, et al. **Biull Eksp Biol Med** 1980 Aug;90(8):211–3 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Cyclic nucleotides, prostaglandins and polyamines in psoriasis. Marcelo CL, et al. **Pharmacol Ther [B]** 1980; 9(3):297–310 (113 ref.)

Polyamines are necessary for the survival of human small–cell lung carcinoma in culture. Luk GD, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2355–8

THERAPEUTIC USE

The effects of colestipol when combined with clofibrate in the treatment of severe hyperlipidemia. Short–term and long–term studies. Lithell H, et al. **Atherosclerosis** 1980 Oct;37(2):175–86

Comparison of the effects of colestipol hydrochloride and clofibrate on plasma lipids and lipoproteins in the treatment of hypercholesterolemia. Seplowitz AH, et al. **Atherosclerosis** 1981 Apr;39(1):35–43

Familial type II hyperlipoproteinemia with coronary heart disease: effect of diet–colestipol–nicotinic acid treatment. Kuo PT, et al. **Chest** 1981 Mar;79(3):286–91

Acute digoxin overdosage: potential role of colestipol therapy. Hamburger S, et al. **J Kans Med Soc** 1980 Oct; 81(10):464

Effects of colestipol, clofibrate, and placebo on plasma lipoproteins of patients with hypercholesterolemia. Crouse JR, et al. **Metabolism** 1981 Feb;30(2):123–8

Effect of colestipol and clofibrate, singly and in combination, on plasma lipid and lipoproteins in type IIb hyperlipoproteinemia. Hunninghake DB, et al. **Metabolism** 1981 Jun;30(6):610–5

Effect of colestipol and clofibrate on plasma lipid and lipoproteins in type IIa hyperlipoproteinemia. Hunninghake DB, et al. **Metabolism** 1981 Jun;30(6):605–9

Colestipol therapy and selected vitamin and mineral levels in children. **Nutr Rev** 1980 Jul;38(7):236–7

Therapeutic trials of antibiotic associated colitis. Mogg GA, et al. **Scand J Infect Dis [Suppl]** 1980;(Suppl 22):41–5

[Familial hypercholesterolemic xanthomatosis: effect of colestipol on the lipoprotein profile (letter)] Drouin P, et al. **Nouv Presse Med** 1980 Nov 8;9(42):3186 **(Fre)**

[Effect of colestipol on plasma lipids in patients affected by type Ii primary hyperlipoproteinaemia (author's transl)] Drouin P, et al. **Therapie** 1980 Jul–Aug;35(4):457–64 (Eng. Abstr.) **(Fre)**

[Long–term therapy of hypercholesteremia in diabetics with colestipol] Düntsch G. **Fortschr Med** 1981 Jan 22;99(3):73–5 (Eng. Abstr.) **(Ger)**

[Adrenocortical functions in hypercholesterolemic patients; effect of long–term treatment with colestipol–HCl (author's transl)] Morimoto Y. **Horumon To Rinsho** 1981 Feb; 29(2):237–43 **(Jpn)**

[Treatment of familial hypercholesterolemia – hyperlipoproteinemia type II with anion exchange resins] Kušić M, et al. **Vojnosanit Pregl** 1981 Jan–Feb;38(1):23–7 **(Scr)**

URINE

Changes in urine polyamines in childhood leukemias. Garnica A, et al. **Ann Clin Lab Sci** 1981 Mar–Apr;11(2):109–14

UV–induced changes in urinary polyamine excretion in the mouse. Seiler N, et al. **Arch Dermatol Res** 1981;270(1):25–32

Urinary polyamine excretion in man. II. Influence of menstrual cycle. Beninati S, et al. **Biomedicine** 1980; 33(6):182–4

Urinary polyamine excretion in man: I. Influence of sex and age. Beninati S, et al. **Biomedicine [Express]** 1980 Sep–Oct; 33(5):140–3

Improved analysis for urinary polyamines by use of high–voltage electrophoresis on paper. Fujita K, et al. **Clin Chem** 1980 Oct;26(11):1577–82

Urinary polyamines in preterm infants. Perlman M, et al. **Clin Chim Acta** 1981 Jun 2;113(1):1–6

A new enzymatic assay for total diamines and polyamines

in urine of cancer patients. Matsumoto T, et al. **J Cancer Res Clin Oncol** 1981;100(1):73–84

Measurements of polyamines and their acetylated derivatives in cell extracts and physiological fluids by use of an amino acid analyzer. Mach M, et al. **J Chromatogr** 1981 Apr 10; 223(1):51–7

Further observations on four subgroups of normal variant short stature. Rudman D, et al. **J Clin Endocrinol Metab** 1980 Dec;51(6):1378–84

Altered polyamine excretion in Duchenne muscular dystrophy. Russell DH, et al. **Neurology (NY)** 1981 Jan; 31(1):80–3

Isolation and identification of polyamine metabolites in urine of animals. Nakajima T, et al. **Physiol Chem Phys** 1980; 12(5):401–10

Elevated urinary polyamines in Duchenne muscular dystrophy. Russell DH, et al. **Trans Am Neurol Assoc** 1979; 104:123–4

The diagnostic and prognostic value of urinary polyamine measurement in bladder cancer. Pastorini P, et al. **Urol Res** 1981 Mar 17;9(1):13–6

[Evaluation of polyamine excretion in malignant melanoma] Schwippelová Z, et al. **Cesk Dermatol** 1980 Aug; 55(4):242–4 **(Cze)**

[Polyamines and their significance for control of cancer chemotherapy (author's transl)] Nissen E, et al. **Arch Geschwulstforsch** 1980;50(4):336–40 (Eng. Abstr.) **(Ger)**

[Studies on urinary biochemical markers in patients with head and neck cancer: especially on polyamines, beta-aminoisobutyric acid and beta-alanine (author's transl)] Hotate T. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Mar 20;84(3):275–90 (Eng. Abstr.) **(Jpn)**

POLYANETHOL SULFONATE see under **BENZENESULFONATES**

POLYANGIUM

ENZYMOLOGY

Protease production by fermentation of fish solubles from salmon canning processes. Wah-On HC, et al. **Can J Microbiol** 1980 Sep;26(9):1049–56

POLYARTERITIS NODOSA see **PERIARTERITIS NODOSA**

POLYBROMOBIPHENYL COMPOUNDS see under **BIPHENYL COMPOUNDS**

POLYCARBOXYLATE CEMENT see under **ACRYLIC RESINS**

POLYCHAETA

ANATOMY & HISTOLOGY

Morphology and number of neurons in two species of polychaetes. Hulsebosch CE, et al. **J Comp Neurol** 1981 May 1;198(1):65–75

CYTOLOGY

A light- and electron-microscopic investigation of gametogenesis in Typosyllis pulchra (Berkeley and Berkeley) (Polychaeta: Syllidae). I. Gonad structure and spermatogenesis. Heacox AE, et al. **Cell Tissue Res** 1981; 218(3):623–39

DRUG EFFECTS

Effects of copper on the sabellid polychaete, Eudistylia vancouveri. II. Copper accumulation and tissue injury in the branchial crown. Young JS, et al. **Arch Environ Contam Toxicol** 1981;10(1):87–104

EMBRYOLOGY

Studies on differentiation without cleavage in Chaetopterus variopedatus: requirements for nucleic acid and protein synthesis. Brachet J, et al. **Differentiation** 1980;17(2):63–76

GENETICS

Genetic structure of Pileolaria pseudomilitaris (Polychaeta: Spirorbidae). Beckwitt R, et al. **Genetics** 1980 Nov; 96(3):711–26

METABOLISM

Uptake of PCBs from sediment by Nereis virens and Crangon septemspinosa. McLeese DW, et al. **Arch Environ Contam Toxicol** 1980;9(5):507–18

Stability of free amino acid levels in stressed Abarenicola pacifica. Augenfeld JM, et al. **Bull Environ Contam Toxicol** 1980 Oct;25(4):635–8

Immunocytologic analyses of 10 nm intermediate filaments in the nervous system of Myxicola. Eng LF, et al. **J Histochem Cytochem** 1980 Dec;28(12):1312–8

Voltage-dependent inactivation of a calcium channel. Fox AP. **Proc Natl Acad Sci USA** 1981 Feb;78(2):953–6

[Localization of the haemopoietic tissue of polychaete annelids. II. Site of chlorocruorin synthesis (author's transl)] Boilly B, et al. **Arch Anat Microsc Morphol Exp** 1979;68(4):271–82 **(Fre)**

[Localization of the haemopoietic tissue of polychaete annelids. I. Site of haemoglobin (erythrocruorin) synthesis (author's transl)] Boilly B, et al. **Arch Anat Microsc Morphol Exp** 1979;68(4):257–70 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Premature sperm incorporation into the primary oocyte of the polychaete Pectinaria: male pronuclear formation and oocyte maturation. Hylander BL, et al. **Dev Biol** 1981 Mar; 82(2):382–7

The determination of toxic effects of pollutants with the marine polychaete worm Ophryotrocha diadema. Hoofman RN, et al. **Ecotoxicol Environ Safety** 1980 Sep; 4(3):252–62

Inactivation in Myxicola giant axons responsible for slow and accumulative adaptation phenomena. Rudy B. **J Physiol (Lond)** 1981 Mar;312:531–49

ULTRASTRUCTURE

Rudimentary cilia in muscle cells of annelids and echinoderms. Gardiner SL, et al. **Cell Tissue Res** 1980; 213(2):247–52

A scanning electron microscopic study of larval development in the marine polychaete, Galeolaria caespitosa Lamarck (Serpulidae). Grant NJ. **Cell Tissue Res** 1981;215(1):171–9

A light- and electron-microscopic investigation of gametogenesis in Typosyllis pulchra. (Berkeley and Berkeley) (Polychaeta: Syllidae). II. Oogenesis. Heacox AE, et al. **Cell Tissue Res** 1981;218(3):641–58

Cuticle and mucous glands in the oesophagus of an annelid (Nereis virens). Michel C, et al. **Tissue Cell** 1980; 12(4):673–83

POLYCHLOROBIPHENYL COMPOUNDS

Adhesion-binding of 2,2',4,4',5,5'-hexachlorobiphenyl to glass and plastic: a possible source of error for PCB analysis. Pepe MG, et al. **Bull Environ Contam Toxicol** 1980 Dec;25(6):936–40

PCB transformer fire--Binghamton, New York. **MMWR** 1981 May 1;30(16):187–8, 193

[Hygiene and sanitation aspects of polychlorinated biphenyls (PCB) in the occupational environment] Biocca M, et al. **Ann Ist Super Sanita** 1979;15(4):755–99 (153 ref.) **(Ita)**

ADVERSE EFFECTS

Environmental contamination of human breast milk [editorial] Barr M Jr. **Am J Public Health** 1981 Feb; 71(2):124–6

Induction in rats of liver DNA single-strand breaks by the polychlorinated biphenyl Aroclor 1254. Robbiano L, et al. **Boll Soc Ital Biol Sper** 1981 Feb 28;57(4):407–13

Occupational exposure to polychlorinated biphenyls in electrical workers. II. Health effects. Maroni M, et al. **Br J Ind Med** 1981 Feb;38(1):55–60

Effect of petroleum oil, pesticides, PCBs and other environmental contaminants on the hatchability of Artemia salina dry eggs. Kuwabara K, et al. **Bull Environ Contam Toxicol** 1980 Jul;25(1):69–74

Polychlorinated biphenyl contamination of feeder cattle. Robens J, et al. **J Am Vet Med Assoc** 1980 Oct 1; 177(7):613–5

Chemical fire at toxic waste disposal plant: epidemiologic study of exposure to smoke and fumes. Halperin W, et al. **J Med Soc NJ** 1981 Aug;78(9):591–4

Effect of dietary polychlorinated biphenyls (PCB) for increasing urinary ascorbic acid and plasma cholesterol levels in rats. Tani T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1980;26(6):629–32

Environmental hazards and the pediatrician [editorial] Garfunkel GM. **J Pediatr** 1981 Sep;99(3):400–1

[Some fractions of polychlorinated biphenyls and their effect on rabbit skin (author's transl)] Sak M, et al. **Cesk Dermatol** 1981 Apr;56(2):78–84 (Eng. Abstr.) **(Slo)**

ANALYSIS

Sampling and analytical method to determine PCB concentrations in the air of the working areas of an electrical industry. Vannucchi C, et al. **Am Ind Hyg Assoc J** 1980 May;41(5):352–60

Polychlorinated biphenyl contamination of nursing mothers' milk in Michigan. Wickizer TM, et al. **Am J Public Health** 1981 Feb;71(2):132–7

Identification of chlorinated methoxybiphenyls as contaminants in fish and as potential interferences in the determination of chlorinated dibenzo-p-dioxins. Phillipson DW, et al. **Anal Chem** 1980 Dec;52(14):2328–32

Heavy metals and organochlorine residues in marine animals and coastal sediments of the Tirrenean sea around Naples. Camoni I, et al. **Ann Ist Super Sanita** 1980;16(4):645–56

Fragmentation pathways in electron impact mass spectra of methoxyhalobiphenyls. Tulp MT, et al. **Biomed Mass Spectrom** 1980 Mar;7(3):109–14

A protein binding radio-assay method for measuring PCB (hexachlorobiphenyl) incorporation in culture cells. Byrne JJ, et al. **Bull Environ Contam Toxicol** 1981 Feb; 26(2):237–42

Polychlorinated biphenyls and polychlorinated dibenzofurans in the toxic rice-bran oil that caused PCB poisoning in Taichung. Chen PH, et al. **Bull Environ Contam Toxicol** 1981 Apr;26(4):489–95

An evaluation of existing methods for quantitation of polychlorinated biphenyls in environmental samples and suggestions for an improved method based on measurement of individual components. Duinker JC, et al. **Bull Environ Contam Toxicol** 1980 Dec;25(6):956–64

Monitoring of DDT, PCBs, and other organochlorine compounds in marine organisms from the North Aegean sea. Kilikidis SD, et al. **Bull Environ Contam Toxicol** 1981 Apr;26(4):496–501

Phthalic acid esters, total DDTs, and polychlorinated biphenyls in marine samples from Galveston Bay, Texas. Murray HE, et al. **Bull Environ Contam Toxicol** 1981 Jun; 26(6):769–74

Adhesion-binding of 2,2',4,4',5,5'-hexachlorobiphenyl to glass and plastic: a possible source of error for PCB analysis. Pepe MG, et al. **Bull Environ Contam Toxicol** 1980 Dec;25(6):936–40

PCB residues in feedlot steers. Ross PF, et al. **Bull Environ Contam Toxicol** 1981 Apr;26(4):485–8

Comparison of two cleanup procedures (Mills, Onley, Gaither vs. automated gel permeation) for residues of organochlorine pesticides and polychlorinated biphenyls in human adipose tissue. Tessari JD, et al. **Bull Environ Contam Toxicol** 1980 Jul;25(1):59–64

The determination of polychlorinated biphenyl in small samples of monkey milk and tissues. I. Mes J, et al. **Int J Environ Anal Chem** 1980;8(2):89–98

Synthesis of the Octa- and nonachlorobiphenyl isomers and congeners and their quantitation in commercial polychlorinated biphenyls and identification in human breast milk. Mullin M, et al. **J Anal Toxicol** 1981 May-Jun; 5(3):138–42

Quantitative determination of individual chlorinated biphenyls in milkfat by splitless glass capillary gas chromatography. Tuinstra LG, et al. **J Assoc Off Anal Chem** 1980 Sep;63(5):952–8

Determination of individual chlorinated biphenyls in agricultural products by automated capillary gas chromatography: determination in cattle feed and its relation to milk residues. Tuinstra LG, et al. **J Chromatogr** 1981 Jan 16;204:413–9

Polychlorinated biphenyls from dairy farms: consequences in market milk. Willett LB. **J Dairy Sci** 1980 Nov; 63(11):1961–5

Testing for environmental contaminants in human milk. Kendrick E. **Pediatrics** 1980 Sep;66(3):470–2

Polychlorinated biphenyl contamination of areas surrounding two transformer salvage companies, Colman, South Dakota--September 1977. Greichus YA, et al. **Pestic Monit J** 1980 Jun;14(1):26–30

Accumulation of polychlorinated biphenyls in american shad during their migration in the Hudson River, spring 1977. Pastel M, et al. **Pestic Monit J** 1980 Jun;14(1):11–22

[Comparative studies of methods for determining organochlorine insecticides and polychlorinated biphenyls] Peneva V. **Vet Med Nauki** 1980;17(9–10):29–36 (Eng. Abstr.) **(Bul)**

[Organochlorine insecticide and polychlorinated biphenyl residues in some fish species] Peneva V. **Vet Med Nauki** 1980;17(8):57–64 (Eng. Abstr.) **(Bul)**

[Contamination of Baltic Sea fish with polychlorinated biphenyls] Luckas B, et al. **Nahrung** 1980;24(4–5):405–11 (Eng. Abstr.) **(Ger)**

[Determination of PCBs in carbonless copying papers (author's transl)] Belliardo F, et al. **Med Lav** 1979 Sep–Oct; 70(5):391–7 (Eng. Abstr.) **(Ita)**

[Determination of chlorofen in water by means of thin layer chromatography] Zyciński D. **Rocz Panstw Zaki Hig** 1980; 31(4):419–22 (Eng. Abstr.) **(Pol)**

ANTAGONISTS & INHIBITORS

Antagonism of the inhibitory effect of the polychlorinated biphenyl preparation, aroclor 1242, on color changes of the fiddler crab, Uca pugilator, by norepinephrine and drugs affecting noradrenergic neurotransmission. Hanumante MM, et al. **Bull Environ Contam Toxicol** 1981 Apr;26(4):479–84

BLOOD

Metabolic consequences of exposure to polychlorinated biphenyls (PCB) in sewage sludge. Baker EL Jr, et al. **Am J Epidemiol** 1980 Oct;112(4):553–63

Occupational exposure to polychlorinated biphenyls in electrical workers. I. Environmental and blood polychlorinated biphenyls concentrations. Maroni M, et al. **Br J Ind Med** 1981 Feb;38(1):49–54

Levels and gas chromatographic patterns of polychlorinated biphenyls in the blood of patients after PCB poisoning in Taiwan. Chen PH, et al. **Bull Environ Contam Toxicol** 1980 Aug;25(2):325–9

Storage of some organochlorine compounds in toxemia of pregnancy. Wassermann M, et al. **Environ Res** 1980 Aug; 22(2):404–11

Relationship between the consumption of toxic rice oil and the long-term concentration of polychlorinated biphenyls in the blood of Yusho patients. Hayabuchi H, et al.

Food Cosmet Toxicol 1981 Feb;19(1):53–5
Association of blood pressure and polychlorinated biphenyl levels. Kreiss K, et al. **JAMA** 1981 Jun 26;245(24):2505–9

METABOLISM

Distribution and elimination of a polychlorinated biphenyl after acute dietary exposure in yellow perch and rainbow trout. Guiney PD, et al. **Arch Environ Contam Toxicol** 1980; 9(6):667–74
Uptake of PCBs from sediment by Nereis virens and Crangon septemspinosa. McLeese DW, et al.
Arch Environ Contam Toxicol 1980;9(5):507–18
Distribution of polychlorobiphenyls in pregnant mice and fetuses on various days of gestation. Török P, et al.
Arch Environ Contam Toxicol 1981;10(3):289–96
Metabolism of dichlorobiphenyls by hepatic microsomal cytochrome P-450. Kennedy MW, et al.
Biochem Pharmacol 1981 Mar 15;30(6):577–88
Bioaccumulation of chlorobiphenyls and endrin from food by lobsters (Homarus americanus). McLeese DW, et al.
Bull Environ Contam Toxicol 1980 Aug;25(2):161–8
Comparative study on accumulation and elimination of hexachlorobiphenyls and decachlorobiphenyl in mice. Mizutani T, et al. **Bull Environ Contam Toxicol** 1980 Aug; 25(2):181–7
Accumulation and excretion of isopropylchlorobiphenyls in mouse and fish. Sugiura K, et al.
Bull Environ Contam Toxicol 1981 Jan;26(1):46–53
Absorption of some organochlorine compounds by the rat small intestine--in vivo. Turner JC, et al.
Bull Environ Contam Toxicol 1980 May;24(5):652–5
Efficiency and rate of elimination of polychlorinated biphenyls from waste waters by means of algae. Véber K, et al. **Bull Environ Contam Toxicol** 1980 Dec;25(6):841–5
Distribution differences between polychlorinated terphenyls and polychlorinated biphenyls in human tissues. Watanabe I, et al. **Bull Environ Contam Toxicol** 1980;25(5):810–5
Bronchial mucosal and kidney cortex affinity of 4– and 4,4'–substituted sulphur–containing derivatives of 2,2'–5,5'–tetrachlorobiphenyl in mice. Brandt I, et al.
Chem Biol Interact 1981 Feb;34(1):47–55
Use of a physiological compartmental model for the rat to describe the pharmacokinetics of several chlorinated biphenyls in the mouse. Tuey DB, et al.
Drug Metab Dispos 1980 Nov–Dec;8(6):397–403
Reduction of polychlorinated biphenyl toxicity and uptake of carbon–14 activity by plants through the use of activated carbon. Strek HJ, et al. **J Agric Food Chem** 1981 Mar–Apr; 29(2):288–93
Comparative study of 3,4,3',4'–tetrachlorobiphenyl in male and female rats and female monkeys. Abdel–Hamid FM, et al. **J Toxicol Environ Health** 1981 Feb;7(2):181–91
Dimethylnitrosamine demethylase activity in fetal, suckling, and maternal mouse liver and its transplacental and transmammary induction by polychlorinated biphenyls. Jannetti RA, et al. **JNCI** 1981 Aug;67(2):461–6
Fate of polychlorinated biphenyls (PCBs) in soil–plant systems. Pal D, et al. **Residue Rev** 1980;74:45–98 (79 ref.)
Comparative rates of dermal penetration of insecticides in mice. Shah PV, et al. **Toxicol Appl Pharmacol** 1981 Jul; 59(3):414–23
Covalent binding of polychlorinated biphenyls to rat liver microsomes in vitro: nature of reactive metabolites and target macromolecules. Shimada T, et al.
Toxicol Appl Pharmacol 1980 Sep 30;55(3):490–500
4,4'–Dichlorobiphenyl: distribution, metabolism, and excretion in the dog and the monkey. Sipes IG, et al.
Toxicol Appl Pharmacol 1980 Sep 30;55(3):554–63
The transfer of 2,4,5,2',4',5'–hexachlorobiphenyl to fetuses and nursing offspring. II. Induction of hepatic microsomal monooxygenase activity in pregnant and lactating mice and their young. Vodicnik MJ, et al.
Toxicol Appl Pharmacol 1980 Jun 30;54(2):301–10
The transfer of 2,4,5,2',4',5'–hexachlorobiphenyl to fetuses and nursing offspring. I. Disposition in pregnant and lactating mice and accumulation in young. Vodicnik MJ, et al. **Toxicol Appl Pharmacol** 1980 Jun 30;54(2):293–300
In vitro binding of hexachlorobiphenyl to DNA and proteins. Narbonne JF, et al. **Toxicology** 1980;16(2):173–5
Absorption of polychlorinated biphenyl by the ovine lymphatic system. Ziprin RL, et al. **Vet Hum Toxicol** 1980 Oct;22(5):305–8

PHARMACODYNAMICS

Effects of a hexachlorinated biphenyl on lymphoid organs and resorption of foetuses in pregnant mice. Mattsson R, et al. **Arch Environ Contam Toxicol** 1981;10(3):281–8
Multiple forms of solubilized and partially resolved cytochrome P–450 from rats induced by 2,3,5,2',3',5'– and 3,4,5,3',4',5'–hexachlorobiphenyls. Kohli KK, et al.
Biochem Biophys Res Commun 1981 May 15;100(1):483–90
Reconstituted human breast milk PCBs as potent inducers of aryl hydrocarbon hydroxylase. Parkinson A, et al.
Biochem Biophys Res Commun 1980 Sep 30;96(2):882–9
Inhibition of pulmonary cytochrome P–450 and benzo(a)pyrene hydroxylase in rabbits by polychlorinated biphenyls (PCBs). Ueng TH, et al.
Biochem Biophys Res Commun 1980 Aug 29;95(4):1743–9
Enhancement of epoxide–metabolizing enzyme activities by pure PCB isomers. Ahotupa M. **Biochem Pharmacol** 1981 Jul 1;30(13):1866–9
The effect of Aroclor 1254 pretreatment on the phase I and phase II metabolism of 7–ethoxycoumarin in isolated viable rat kidney cells. Fry JR, et al. **Biochem Pharmacol** 1981 Jun 1;30(11):1197–201
Marked differences in the inductive effects of two symmetrical hexachlorobiphenyls and the corresponding unsymmetrical isomer on hepatic monooxygenases. Goldstein JA, et al. **Biochem Pharmacol** 1981 May 1; 30(9):1008–11
PCB augments LH–induced progesterone synthesis. Fuller GB, et al. **Bull Environ Contam Toxicol** 1980 Jul;25(1):65–8
Influence of ethanol on the interaction between polychlorinated biphenyls and drug metabolism. Krampl V, et al. **Bull Environ Contam Toxicol** 1980;25(5):718–25
In vitro effects of pure polychlorinated biphenyl isomers on the rabbit muscle lactate dehydrogenase. Nishizawa M, et al. **Bull Environ Contam Toxicol** 1980 Oct;25(4):630–4
Evaluation of metabolic activation of 7,12–dimethylbenz(a)anthracene in vitro by aroclor 1254–induced rat liver S–9 fraction. Bigger CA, et al.
Cancer Res 1980 Mar;40(3):655–61
The relationship between polarizability of polychlorinated biphenyls and their induction of mixed function oxidase activity. Albro PW, et al. **Chem Biol Interact** 1981 Mar 15;34(3):373–8
Modulation of benzene–induced lymphocytopenia in the rat by 2,4,5,2',4',5'–hexachlorobiphenyl and 3,4,3',4'–tetrachlorobiphenyl. Greenlee WF, et al.
Chem Biol Interact 1981 Jan;33(2–3):345–60
Structure–activity relationships in halogenated biphenyls: unifying hypothesis for structural specificity. McKinney JD, et al. **Chem Biol Interact** 1981 Jan;33(2–3):271–83
Polychlorinated biphenyls as inducers of hepatic microsomal enzymes: effects of di–ortho substitution. Parkinson A, et al. **Chem Biol Interact** 1981 Apr;35(1):1–12
Effects of clophen A50 on the metabolism of paranitroanisole in an in vitro perfused rainbow trout liver. Förlin L, et al. **Comp Biochem Physiol [C]** 1981;68C(2):239–42
The effect of 3–methylcholanthrene, Aroclor 1254, and phenobarbital induction on the metabolism of biphenyl by rat and mouse 9000g supernatant liver fractions. Halpaap–Wood K, et al. **Drug Metab Dispos** 1981 Mar–Apr;9(2):103–7
A comparison of the cytochrome P–450 species induced by mirex and 3,4,5,3',4',5'–hexachlorobiphenyl in hepatic microsomes of the mouse. Peppriell J. **Environ Res** 1980 Dec;23(2):309–18
The effects of xenobiotics on fish tissues: morphological studies. Hawkes JW. **Fed Proc** 1980 Dec;39(14):3230–6 (21 ref.)
Acutely administered polychlorinated biphenyls (PCBs) decrease splenic cellularity but increase its ability to cause graft–versus–host reactions in BALB/c mice. Carter JW, et al. **Immunopharmacology** 1980 Dec;2(4):341–7
Induction of renal cytochrome P–450 by the polychlorinated biphenyl Aroclor–1254. Mitochondrial distribution and correlation with the calcium–regulating mixed function oxidases 1 alpha– and 24R–hydroxylases of 25–hydroxyvitamin D3. Ghazarian JG, et al.
J Biol Chem 1980 Sep 10;255(17):8275–81
Selective loss of pulmonary cytochrome P–450I in rabbits pretreated with polychlorinated biphenyls. Ueng TH, et al. **J Biol Chem** 1981 Jul 25;256(14):7536–42
Effect of dietary quality of protein on liver microsomal mixed function oxidase system, plasma cholesterol and urinary ascorbic acid in rats fed PCB. Kato N, et al. **J Nutr** 1981 Jan;111(1):123–33
Effect of Aroclor 1254 on leukocyte glucose uptake. Lee TP, et al. **J Toxicol Environ Health** 1980 May;6(3):607–11
Promoting effects of polychlorinated biphenyls (Aroclor 1254) and polychlorinated dibenzofuran–free Aroclor 1254 on diethylnitrosamine–induced tumorigenesis in the rat. Preston BD, et al. **JNCI** 1981 Mar;66(3):509–15
Influence of starvation on the induction of xenobiotic metabolism by polychlorinated biphenyls. Carlson GP.
Life Sci 1980 Oct 27;27(17):1571–6
Hepatic microsomal enzyme induction by 2,2', 3,3', 4,4'– and 2,2', 3', 4,4', 5–hexachlorobiphenyl. Parkinson A, et al.
Life Sci 1980 Dec 15;27(24):2333–7
Differential effects of acetone or Aroclor 1254 pretreatment on the microsomal activation of dimethylnitrosamine to a mutagen. Haag SM, et al. **Mutat Res** 1980 Dec; 74(6):431–8
Effects of Aroclor 1254–induced rat liver S–9 fraction on benzo[a]pyrene–mediated DNA damage and benzo[a]pyrene metabolism in cultured human skin fibroblasts. Wong AK, et al.
Res Commun Chem Pathol Pharmacol 1981 Jul;33(1):129–43
Effects of Aroclor 1254 on disposition and hepatotoxicity of ethylene in the rat. Guest D, et al.
Toxicol Appl Pharmacol 1981 Mar 15;57(3):325–34
Effects of polychlorinated biphenyls on the monooxygenase systems in fetal livers of rats. Inoue K, et al.
Toxicol Appl Pharmacol 1981 Jul;59(3):540–7
Time course of induction of microsomal enzymes following dietary administration of a polychlorinated biphenyl (Phenoclor DP6). Narbonne JF.
Toxicol Appl Pharmacol 1980 Oct;56(1):1–7
Comparative induction of xenobiotic metabolism in rodent kidney, testis and liver by commercial mixtures of polybrominated biphenyls and polychlorinated biphenyls, phenobarbital and 3–methylcholanthrene: absolute and temporal effects. Kluwe WM, et al. **Toxicology** 1981; 20(2–3):259–73
Ultrastructural and functional alterations of the rat thyroid gland produced by polychlorinated biphenyls compared with iodide excess and deficiency, and thyrotropin and thyroxine administration. Collins WT, et al.
Virchows Arch [Cell Pathol] 1980;33(3):213–31
[Increased hepatic aryl 4–monoxygenase in chickens caused by lipophilic xenobiotics] Bobáková E, et al.
Vet Med (Praha) 1981;26(6):379–84 (Eng. Abstr.) **(Slo)**

POISONING

Missed abortions and some organochlorine compounds: organochlorine insecticides (OCI) and polychlorinated biphenyls (PCBs). Bercovici B, et al.
Acta Med Leg Soc (Liege) 1980;30(3):177–85
Mortality and industrial hygiene study of workers exposed to polychlorinated biphenyls. Brown DP, et al.
Arch Environ Health 1981 May–Jun;36(3):120–9
Aroclor 1242 and reproductive success of adult mallards (Anas platyrhynchos). Haseltine SD, et al. **Environ Res** 1980 Oct;23(1):29–34
Lipid metabolism in polychlorinated biphenyl–poisoned rats. Yagi N, et al. **Environ Res** 1980 Jun;22(1):139–44
The presence of polychlorinated quaterphenyls in the tissue of Yusho victims. Kashimoto T, et al.
Food Cosmet Toxicol 1981 Jun;19(3):335–40
Studies on patients with polychlorinated biphenyl poisoning. 2. Determination of urinary coproporphyrin, uroporphyrin, delta–aminolevulinic acid and porphobilinogen. Chang KJ, et al. **Res Commun Chem Pathol Pharmacol** 1980 Dec; 30(3):547–54
[Studies on patients with polychlorinated biphenyls poisoning. Determination of urinary coproporphyrin, uroporphyrin, delta–aminolevulinic acid, and porphobilinogen (author's transl)] Lu FJ, et al.
Taiwan I Hsueh Hui Tsa Chih 1980 Nov;79(11):990–5 (Eng. Abstr.) **(Chi)**
[Histochemical analysis of the livers of PCB and DDT poisoned rats (author's transl)] Yagi N.
Nippon Eiseigaku Zasshi 1980 Jun;35(2):524–32 (Eng. Abstr.) **(Jpn)**
[Lipid metabolism in PCB poisoned rats (author's transl)] Yagi N. **Nippon Eiseigaku Zasshi** 1980 Oct;35(4):659–64 (Eng. Abstr.) **(Jpn)**

TOXICITY

Polychlorinated biphenyls (Aroclors 1016 and 1242): effects on survival and reproduction in mink and ferrets. Bleavins MR, et al. **Arch Environ Contam Toxicol** 1980;9(5):627–35
Reproductive success of screech owls fed Aroclor 1248. McLane MA, et al. **Arch Environ Contam Toxicol** 1980; 9(6):661–5
Effects of polychlorinated biphenyls on biological membranes: physical toxicity and molar volume relationships. Sharom FJ, et al. **Biochem Pharmacol** 1980 Dec;29(24):3311–7
Toxicity of arsenic and PCB to a green alga (Chlamydomonas). Christensen ER, et al.
Bull Environ Contam Toxicol 1980 Jul;25(1):43–8
Differences in the effects of fuel oil, an oil dispersant, and three polychlorinated biphenyls on fin regeneration in the Gulf Coast killifish, Fundulus grandis. Fingerman SW.
Bull Environ Contam Toxicol 1980 Aug;25(2):234–40
Effects of the polychlorinated biphenyl Aroclor 1242 on locomotor activity and on the neurotransmitters dopamine and norepinephrine in the brain of the gulf killifish, Fundulus grandis. Fingerman SW, et al.
Bull Environ Contam Toxicol 1980 Oct;25(4):682–7
Inhibition by the polychlorinated biphenyl Aroclor 1242 of limb regeneration in the fiddler crab, Uca pugilator, in different salinities from which different numbers of limbs have been removed. Fingerman SW, et al.
Bull Environ Contam Toxicol 1980;25(5):744–50
PCB toxicity to phytoplankton: effects of dose and density–dependent recovery responses. Kleppel GS, et al.
Bull Environ Contam Toxicol 1980 May;24(5):696–703
Body temperatures and weights in rats during daily administration of closely controlled doses of polychlorinated biphenyls. Komives GK, et al.
Bull Environ Contam Toxicol 1980 Dec;25(6):913–7
Perinatal PCB exposure and its effect on the immune system of young rabbits. Thomas PT, et al.
Drug Chem Toxicol 1980;3(2):173–84
Null effect of dietary Aroclor 1254 on hepatocellular carcinoma incidence in rainbow trout (Salmo gairdneri) exposed to aflatoxin B1 as embryos. Hendricks JD, et al.
J Environ Pathol Toxicol 1980 Nov;4(5–6):9–16
Effects of short–term dietary exposure to polychlorinated biphenyls on pharmacokinetics of intravenous pentobarbital in rats. Stella VJ, et al. **J Pharm Sci** 1980 Nov;69(11):1274–8
Effect of short–term exposure to polychlorinated biphenyls on first–pass metabolism of pentobarbital in rats. Stella VJ, et al. **J Pharm Sci** 1980 Nov;69(11):1279–82
Combined effects of polychlorinated biphenyls and methylmercury on hepatic microsomal monooxygenases and the hepatotoxic action of bromobenzene. Takabatake E, et al. **J Pharmacobiodyn** 1980 Sep;3(9):463–9
Effects of DDE and PCB (Aroclor 1260) on experimentally poisoned female little brown bats (Myotis lucifugus): lethal brain concentrations. Clark DR Jr, et al.

J Toxicol Environ Health 1981 Jun;7(6):925–34

Effects of DDE, TDE, and PCBs on shell thickness of western grebe eggs, Bear River Migratory Bird Refuge, Utah—1973–74. Lindvell ML, et al. **Pestic Monit J** 1980 Dec;14(3):108–11

Toxicity of selected symmetrical hexachlorobiphenyl isomers in the mouse. Biocca M, et al. **Toxicol Appl Pharmacol** 1981 May;58(3):461–74

Chronic toxicity of 3,4,3',4'– and 2,5,2',5'–tetrachlorobiphenyls in rhesus macaques. McNulty WP, et al. **Toxicol Appl Pharmacol** 1980 Nov;56(2):182–90

3,4,3',4'–Tetrachlorobiphenyl given to mice prenatally produces long–term decreases in striatal dopamine and receptor binding sites in the caudate nucleus. Agrawal AK, et al. **Toxicol Lett** 1981 Mar;7(6):417–24

Experimental formation of cleft palate in mice with polychlorinated biphenyls (PCB). Watanabe M, et al. **Toxicology** 1981;19(1):49–53

POLYCHLOROPINENE see under **INSECTICIDES, ORGANOCHLORINE**

POLYCHLOROTERPHENYL COMPOUNDS see under **TERPHENYL COMPOUNDS**

POLYCHONDRITIS, RELAPSING

COMPLICATIONS

Temporal bone findings in a case of sudden deafness and relapsing polychondritis. Hoshino T, et al. **Acta Otolaryngol (Stockh)** 1980 Sep–Oct;90(3–4):257–61

Aortic cusp involvement causing severe aortic regurgitation in a case of relapsing polychondritis. Sohi GS, et al. **Cathet Cardiovasc Diagn** 1981;7(1):79–86

Wegener's granulomatosis and relapsing polychondritis: a case report. Small P, et al. **J Rheumatol** 1980 Nov–Dec; 7(6):915–8

[Relapsing polychondritis with predominant respiratory involvement treated with Dapsone :value of pulmonary function tests (author's transl)] Liot F, et al. **Ann Med Interne (Paris)** 1980;131(8):519–24 (Eng. Abstr.) **(Fre)**

[Ulcerative colitis associated with chronic atrophic polychondritis. One case (author's transl)] Prévot P, et al. **Nouv Presse Med** 1981 Mar 21;10(13):1061–3 (Eng. Abstr.) **(Fre)**

[Eye disease in cases of chronic atrophic polychondritis (author's transl)] Krey H. **Klin Monatsbl Augenheilkd** 1981 Mar;178(3):186–9 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

[Rare form of ocular involvement in relapsing polychondritis (author's transl)] Eckardt C. **Klin Monatsbl Augenheilkd** 1981 May;178(5):368–72 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Relapsing polychondritis with glomerulonephritis. Improvement with prednisone and cyclophosphamide. Ruhlen JL, et al. **JAMA** 1981 Feb 27;245(8):847–8

[Recurrent polychondritis and its cyclophosphamide therapy (author's transl)] Tong ET. **Chung Hua Nei Ko Tsa Chih** 1980;19(2):106–8 **(Chi)**

IMMUNOLOGY

Immune complex–mediated renal involvement in relapsing polychondritis. Espinoza LR, et al. **Am J Med** 1981 Jul; 71(1):181–3

Autoimmune disturbances in relapsing polychondritis and primary alopecia [letter] Kronborg IJ. **Arthritis Rheum** 1981 Jun;24(6):862

Auricular chondritis in rats. An experimental model of relapsing polychondritis induced with type II collagen. Cremer MA, et al. **J Exp Med** 1981 Aug 1;154(2):535–40

PATHOLOGY

[Relapsing polychondritis. Histochemical, histoenzymological, immunofluorescent and ultrastructural studies of ear cartilage in three cases (author's transl)] Le Charpentier Y, et al. **Pathol Biol (Paris)** 1980 Oct; 28(8):509–15 (Eng. Abstr.) **(Fre)**

[Chronic atrophic polychondritis. Report of three cases, with ultrastructural study by electron microscopy] Bussière JL, et al. **Rev Rhum Mal Osteoartic** 1980 Oct;47(10):535–43 (Eng. Abstr.) **(Fre)**

[Relapsing polychondritis. Histochemical, histoenzymological, immunoflourescent and ultrastructural studies of ear cartilage in three cases (author's transl)] Le Charpentier Y, et al. **Sem Hop Paris** 1981 May 8–15; 57(17–18):877–83 (Eng. Abstr.) **(Fre)**

[Relapsing polychondritis. A case report with special reference to otolaryngological manifestations] Adler D, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Apr;60(4):187–91 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

The case of the narrow trachea. Seaman WB. **Hosp Pract** 1981 May;16(5):33, 39

POLYCYCLIC COMPOUNDS

Quantum chemical studies of the metabolism of polycyclic aromatic amines and the stabilities and electrophilicities of their arylnitrenium ions in relation to their mutagenic/carcinogenic potencies. Loew GH, et al. **Cancer Biochem Biophys** 1979;3(3):101–10

METABOLISM

Evidence for the existence of a family of bacterial nitroreductases capable of activating nitrated polycyclics to mutagens. McCoy EC, et al. **Environ Mutagen** 1981; 3(4):421–7

Use of a mixed function amine oxidase for metabolic activation in the Ames/Salmonella assay system. Pelroy RA, et al. **Mutat Res** 1980 Sep;72(2):329–34

POLYCYCLIC HYDROCARBONS

A molecular orbital study on the carcinogenicity of various polycyclic aromatic hydrocarbon diol–epoxides. Imamura A, et al. **Gan** 1980 Oct;71(5):737–8

Chiral recognition by nucleosides and nucleotides: resolution of helicenes by high–performance liquid chromatography. Kim YH, et al. **Science** 1981 Sep 18;213(4514):1379–81

ADVERSE EFFECTS

Local carcinogenicity os some environmentally relevant polycyclic aromatic hydrocarbons after lifelong topical application to mouse skin. Habs M, et al. **Arch Geschwulstforsch** 1980;50(3):266–74

[Significance of polycyclic aromatic hydrocarbons as carcinogenic risk factors for man (author's transl)] Shabad LM, et al. **Arch Geschwulstforsch** 1980;50(8):705–14 (Eng. Abstr.) **(Ger)**

[Factors that enhance the carcinogenic and mutagenic activity of polycyclic aromatic hydrocarbons] Pashin IuV, et al. **Gig Sanit** 1980 Jul;(7):54–6 (25 ref.) **(Rus)**

[Significance of polycyclic aromatic hydrocarbons as carcinogenic agents for man] Shabad LM, et al. **Gig Tr Prof Zabol** 1981 Jun;(6):29–33 **(Rus)**

ANALYSIS

Organic contaminants in direct coal liquefaction—a preliminary assesment. Tanita R, et al. **Am Ind Hyg Assoc J** 1980 Nov;41(11):851–3

The lightpipe luminoscope for monitoring occupational skin contamination. Vo–Dinh T, et al. **Am Ind Hyg Assoc J** 1981 Feb;42(2):112–20

Determination of polynuclear aromatic hydrocarbons in food, water and smoke using high–performance liquid chromatography. Crosby NT, et al. **Analyst** 1981 Feb; 106(1259):135–45

The occurrence of carcinogenic polycyclic hydrocarbons in foodstuffs in Hungary. Soós K. **Arch Toxicol [Suppl]** 1980; (4):446–8

Levels of polycyclic aromatic hydrocarbons in some coal tar skin preparations. Swallow WH, et al. **Australas J Dermatol** 1980 Dec;21(3):154–7

Carcinogenic polycyclic aromatic hydrocarbons in some Nigerian foods. Emerole GO. **Bull Environ Contam Toxicol** 1980 May;24(5):641–6

Determination of polycyclic aromatic hydrocarbons in marine samples by high–performance liquid chromatography. Obana H, et al. **Bull Environ Contam Toxicol** 1981 May;26(5):613–20

Analytical methodology and reported findings of polycyclic aromatic hydrocarbons in foods. Howard JW, et al. **J Assoc Off Anal Chem** 1980 Sep;63(5):1077–104 (208 ref.)

High pressure liquid chromatographic method for determination of polynuclear aromatic hydrocarbons in beer. Joe FL Jr, et al. **J Assoc Off Anal Chem** 1981 May; 64(3):641–6

Capillary column gas chromatography of polycyclic aromatic compounds: a review. Lee ML, et al. **J Chromatogr Sci** 1980 Aug;18(8):345–58 (92 ref.)

Polycyclic aromatic hydrocarbons in foundries. Schimberg RW, et al. **J Toxicol Environ Health** 1980 Sep–Nov; 6(5–6):1187–94

Evaluation of the potential carcinogenicity of paraffins for medicinal and cosmetic uses—determination of polycyclic aromatic hydrocarbons. Monarca S, et al. **Sci Total Environ** 1981 Jan;17(1):83–93

Determination of polycyclic aromatic hydrocarbons in fat products by high pressure liquid chromatography. Van Heddeghem A, et al. **Z Lebensm Unters Forsch** 1980 Jul; 171(1):9–13

[The degree of elimination of polycyclic aromatic hydrocarbons from drinking water. I. PAH content of river water used for urban water supplies] Ochocka JR, et al. **Rocz Panstw Zakl Hig** 1980;31(6):629–35 (Eng. Abstr.) **(Pol)**

[Comparative studies of food product contamination with carcinogenic polycyclic aromatic hydrocarbons in the USSR and the GDR (methods of determining the benz (a) pyrene content)] Dikun PP, et al. **Vopr Pitan** 1981 May–Jun;(3):63–7 **(Rus)**

BLOOD

[Experimental study of the blood elution process of the polycyclic aromatic hydrocarbons adsorbed on carbon. I. Physicochemistry of the particles (author's transl)] De Wiest F. **J Pharm Belg** 1980 Jul–Aug;35(4):253–65 (Eng. Abstr.) **(Fre)**

[Experimental study of the blood elution process of the polycyclic aromatic hydrocarbons adsorbed on carbon. II. Blood plasma elution (author's transl)] De Wiest F. **J Pharm Belg** 1980 Sep–Oct;35(5):333–44 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

The identification of polynuclear aromatic hydrocarbon (PAH) derivatives in mutagenic fractions of diesel particulate extracts. Schuetzle D, et al. **Int J Environ Anal Chem** 1981;9(2):93–144

METABOLISM

Metabolism and activation of carcinogenic polycyclic hydrocarbons by human mammary cells. MacNicoll AD, et al. **Biochem Biophys Res Commun** 1980 Aug 29; 95(4):1599–606

Nuclear activation of polycyclic hydrocarbons. Bresnick E. **Drug Metab Rev** 1979;10(2):209–23 (19 ref.)

Binding of polycyclic aromatic hydrocarbons to DNA: comparison with mutagenesis and tumorigenesis. Pelkonen O, et al. **J Toxicol Environ Health** 1980 Sep–Nov; 6(5–6):1009–20

Microsomal activation of selected polycyclic aromatic hydrocarbons and aromatic amines in Drosophila melanogaster. Nix CE, et al. **Mutat Res** 1981 Mar; 88(3):291–9

Covalent binding of polycyclic aromatic compounds to mitochondrial and nuclear DNA. Allen JA, et al. **Nature** 1980 Sep 18;287(5779):244–5

PHARMACODYNAMICS

Induction of choline kinase by polycyclic aromatic hydrocarbon carcinogens in rat liver. Ishidate K, et al. **Biochem Biophys Res Commun** 1980 Sep 30;96(2):946–52

Differential perturbation of erythrocyte membrane function by structurally related polycyclic aromatic hydrocarbons. Aberlin ME, et al. **Biochim Biophys Acta** 1981 Jan 22; 640(2):595–608

Induction of aldehyde dehydrogenase by polycyclic aromatic hydrocarbons in rats. Törrönen R, et al. **Chem Biol Interact** 1981 Jul;36(1):33–44

Induction of drug–metabolizing enzymes by polycyclic aromatic hydrocarbons: mechanisms, and some implications in environmental health research. Bend JR. **Ciba Found Symp** 1980;(76):83–99

Investigations of new structures with pharmacological activity. II: Anticonvulsant properties of benzocyclobutenols and benzocylenones. Trocklé G, et al. **Life Sci** 1981 Jan 5;28(1):23–9

Hepatic glutathione transferase activity induced by polycyclic aromatic compounds. Lack of correlation with the murine Ah locus. Felton JS, et al. **Mol Pharmacol** 1980 Nov;18(3):559–64

Comparative studies on chromosome aberrations induced by polycyclic hydrocarbons in cell–mediated and microsome–mediated assay. Nishi Y, et al. **Mutat Res** 1980 Dec;79(4):337–44

Effect of carcinogenic polycyclic aromatic hydrocarbons on mouse embryonic cells in culture: induction of spindle–shaped cells. Kamei H. **Toxicology** 1980; 17(1):39–49

[The use of pattern recognition for analysing the possible relation between molecular structure of polycyclic hydrocarbons and their carcinogenicity] Duquesne M, et al. **C R Acad Sci [D] (Paris)** 1981 Feb 16;292(7):495–8 (Eng. Abstr.) **(Fre)**

[Aromatic hydrocarbons: environmental pollution and biological effects] Gilli G, et al. **Arch Sci Med (Torino)** 1980 Jan–Mar;137(1):65–98 (108 ref.) (Eng. Abstr.) **(Ita)**

POISONING

Some toxic compounds produced in food by cooking and processing. Gray JI, et al. **J Hum Nutr** 1981 Feb;35(1):5–23 (146 ref.)

TOXICITY

Influence of route of entry on toxicity of polycyclic aromatic hydrocarbons to the cricket (Acheta domesticus). Walton BT. **Bull Environ Contam Toxicol** 1980 Aug;25(2):289–93

The use of adult rat liver cultures in the detection of the genotoxicity of various polycyclic aromatic hydrocarbons. Tong C, et al. **Environ Mutagen** 1981;3(4):477–87

Polycyclic aromatic hydrocarbons: a review. Zedeck MS. **J Environ Pathol Toxicol** 1980 Jun–Jul;3(5–6):537–67

Further investigations of the capacity of polynuclear aromatic hydrocarbons to elicit atherosclerotic lesions. Bond JA, et al. **J Toxicol Environ Health** 1981 Feb; 7(2):327–35

Problems deriving from asbestos fibres wetting in the textile industry. Scansetti G, et al. **Med Lav** 1980 Sep–Oct; 71(5):422–7

The biochemical and genetic characteristics of murine ovarian aryl hydrocarbon (benzo[a])pyrene) hydroxylase activity and its relationship to primordial oocyte destruction by polycyclic aromatic hydrocarbons. Mattison DR, et al. **Toxicol Appl Pharmacol** 1980 Dec;56(3):399–408

Sensitivity of Syrian golden hamster fetal lung cells to benzo[a]pyrene and other polycyclic hydrocarbons in vitro. Emura M, et al. **Toxicology** 1980;17(2):149–55

POLYCYSTIC OVARY SYNDROME see **STEIN–LEVENTHAL SYNDROME**

POLYCYTHEMIA

[Polycythemias of young subjects (author's transl)] Le Mercier N, et al. **Nouv Presse Med** 1979 Jan 13;8(2):93–7 (Eng. Abstr.) **(Fre)**

BLOOD

Chemistry problem. Simpson DS. **Am J Med Technol** 1980 Sep;46(9):662–4

Erythropoietin radioimmunoassay in evaluating patients with polycythemia. Koeffler HP, et al. **Ann Intern Med** 1981 Jan;94(1):44–7

Delay in red cell filtration in polycythaemic patients. Rewald E, et al. **Br J Haematol** 1981 Mar;47(3):485

Polycythaemic discrepancy [letter] Hutton RD. **Clin Lab Haematol** 1981;3(2):190–1

Regeneration of erythroid committed precursor cells in polycythaemic mice treated with cyclophosphamide. Milenković P, et al. **Exp Hematol** 1980 Jan;8(1):44–51

Hemoglobin Hotel–Dieu beta 99 Asp replaced by Gly (g1). A new abnormal hemoglobin with high oxygen affinity. Blouquit Y, et al. **Hemoglobin** 1981;5(1):19–31

Novel studies on a 'silent' high affinity mutant hemoglobin (San Diego, beta 109 Val replaced by Met). Harkness DR, et al. **Hemoglobin** 1981;5(1):33–46

Neonatal polycythemia: II. Plasma, blood and red cell volume estimates in relation to hematocrit levels and quality of intrauterine growth. Brans YW, et al. **Pediatrics** 1981 Aug;68(2):175–82

Effect of hematocrit on the blood viscosity of patients with chronic respiratory failure and secondary polycythemia. Clivati A, et al. **Respiration** 1980;40(4):201–7

[Abnormal hemoglobins—erythrocytosis caused by Hb Helsinki] Mattila K. **Duodecim** 1980;96(15):1031–4 **(Fin)**

[Only direct blood volume determination enables the distinction between polycythemia due to plasma volume reduction and true, primary or secondary polyglobulia] Brassinne A. **Rev Med Liege** 1981 Jul 1–15;36(13–14):553–5 **(Fre)**

COMPLICATIONS

Use of isovolemic hemodilution in the management of arterial ischemia in patients with polycythemia. Shah DM, et al. **Am J Surg** 1981 Aug;142(2):233–5

Running and laughing fits as the sequelae of the neonatal hyperviscosity syndrome. Sugimoto T, et al. **Brain Dev** 1979;1(4):323–6

Drainage of right superior vena cava into both atria. Review of the literature and description of a case presenting with polycythemia and paradoxical embolization. Shapiro EP, et al. **Circulation** 1981 Mar;63(3):712–7

Electrophysiological study of peripheral nerves in secondary polycythemia. Saha PK, et al. **Indian J Med Res** 1980 May; 71:801–5

Ischemia of the hand secondary to Gaisböck's syndrome. Nagendran T, et al. **Int Surg** 1980 Mar–Apr;65(2):179–81

Neonatal testicular infarction and polycythemia. Jung AL, et al. **J Urol** 1980 May;123(5):781–2

Erythrocytosis associated with thyroid tumor. Dallera F, et al. **Tumori** 1980 Apr 30;66(2):273–5

Neonatal polycythemia and the hyperviscosity syndrome. Sheftel DN. **Wis Med J** 1981 Feb;80(2):39–40

[Polycythaemia and uterine fibroma. A case with in vitro demonstration of an erythropoietic activity in the tumor (author's transl)] Desablens B, et al. **Sem Hop Paris** 1980 Jun 18–25;56(25–28):1138–44 (Eng. Abstr.) **(Fre)**

[A case of primary alveolar hypoventilation syndrome complicated with polycythemia (author's transl)] Hatakeyama M, et al. **Nippon Naika Gakkai Zasshi** 1980 Dec;69(12):1644–9 **(Jpn)**

[A case of chronic myelogeneous leukemia with erythrocytosis; increased CFU–E in chronic phase of the disease (author's transl)] Suda K, et al. **Rinsho Ketsueki** 1980 Mar;21(3):382–7 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Pure erythrocytosis: reappraisal of a study of 51 cases. Najean Y, et al. **Am J Hematol** 1981;10(2):129–36

The differential diagnosis of the polycythemic states. Brodsky I. **Ann Clin Lab Sci** 1980 Jul–Aug;10(4):311–9

Erythropoietin and polycythemias [letter] Small BM. **Ann Intern Med** 1981 Aug;95(2):243

Erythropoietin measurements in the differential diagnosis of polycythaemia. Napier JA, et al. **Br J Haematol** 1981 Jul; 48(3):393–401

Polycythemia: differential diagnosis and treatment. Gardner FH, et al. **Compr Ther** 1980 Jul;6(7):20–3

Diagnosis and management of polycythemias. Gilbert HS. **Compr Ther** 1981 May;7(5):15–26

For excess red blood cells, DDx dictates the therapy. Zucker S, et al. **Geriatrics** 1981 Jan;36(1):47–58

Hyperviscosity secondary to polycythemia in the appropriate for gestational age neonate. Brooks GI, et al. **JAOA** 1981 Feb;80(6):415–8

Neonatal polycythemia: I. Criteria for diagnosis and treatment. Ramamurthy RS, et al. **Pediatrics** 1981 Aug; 68(2):168–74

[Diagnostic difficulties in symptomatic erythrocytosis developing in congenital heart defects] Georgieva B, et al. **Vutr Boles** 1981;20(1):108–11 (Eng. Abstr.) **(Bul)**

[Differential diagnosis of polycythemia] Heilmann E. **Dtsch Med Wochenschr** 1981 Jun 12;106(24):778–81 **(Ger)**

DRUG THERAPY

[Hypochromic polyglobulia in infants and children with cyanotic heart defects. 3. Recommendations on iron therapy] Adrian B, et al. **Kinderaerztl Prax** 1980 Sep; 48(9):470–2 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Influence of growth rate on the ability of hypertransfusion induced plethora to suppress erythropoiesis in the growing rat. Alippi RM, et al. **Exp Hematol** 1981 Mar;9(3):209–13

Red cell egress from bone marrow in state of transfusion plethora. Aoki M, et al. **Exp Hematol** 1981 Mar;9(3):231–9

Are chronic exposure to microwaves and polycythemia associated? [letter] Friedman HL. **N Engl J Med** 1981 Feb 5;304(6):357–8

Erythrocytosis following renal transplantation. Benjamin D, et al. **New Istanbul Contrib Clin Sci** 1980 May;13(2):122–7

Phlebotomy with iron therapy to correct the microcytic polycythemia of chronic hypoxia. Sondel PM, et al. **Pediatrics** 1981 May;67(5):667–70

Sickle cell thalassemia, thrombocytosis, and erythrocytosis. Castro O. **South Med J** 1981 Mar;74(3):380–1

Different pseudotypes of Friend spleen focus-forming virus induce polycythemia and erythropoietin-independent colony formation in serum-free medium. MacDonald ME, et al. **Virology** 1981 Apr 15;110(1):231–6

Myelofibrosis–polycythemia syndrome on congenital hypoplastic anemia: a case report. West WO. **W Va Med J** 1980 Jun;76(6):134–5

[Budd–Chiari syndrome. Physiopathogenic hypothesis for polycythemia (letter)] Balique JG. **Nouv Presse Med** 1981 Mar 7;10(11):907–8 **(Fre)**

[Polycythemia disclosing a malignant non-secreting adrenal cortex neoplasm] Babeau P, et al. **Rev Med Interne** 1981; 2(2):183–4 **(Fre)**

[Hematologic masking of liver disease] Soboleva SS, et al. **Ter Arkh** 1980;52(9):85–8 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Hereditary pyruvate kinase abnormalities associated with erythrocytosis. Rosa R, et al. **Am J Hematol** 1981; 10(1):47–55

[A case of benign familial erythrocytosis (author's transl)] Sato Y, et al. **Rinsho Ketsueki** 1980 Aug;21(8):1201–8 (Eng. Abstr.) **(Jpn)**

[Cytogenetic study of chromosome aberrations in the bone marrow cells of patients with polycythemia] Abilov AN, et al. **Probl Gematol Pereliv Krovi** 1980 Nov;25(11):45–7 (Eng. Abstr.) **(Rus)**

METABOLISM

Different RNA species stimulated by testosterone and erythropoietin in isolated bone marrow nuclei obtained from polycythemic and anemic rats. Perretta M, et al. **J Steroid Biochem** 1981 Jun;14(6):537–43

PATHOLOGY

Extension of myeloid tissue into the lower extremities in polycythemia. Kurnick JE, et al. **Am J Clin Pathol** 1980 Oct;74(4):427–31

Studies on the resistance of the C57B1/6 mouse strain to the polycythemia-inducing strain of the Friend virus (FV–P). Seidel HJ, et al. **Blut** 1981 Mar;42(3):173–82

Transformation of erythrocytosis associated with renal cyst to polycythemia vera. Djaldetti M, et al. **Haematologica (Pavia)** 1980 Jun;65(3):343–8

PHYSIOPATHOLOGY

The effect of polycythemia on blood flow in working and non-working skeletal muscle. Gustafsson L, et al. **Acta Physiol Scand** 1980 Jun;109(2):143–8

[Microcythemic polyglobulia] Almici C, et al. **G Clin Med** 1980 Jun;61(6):429–34 (Eng. Abstr.) **(Ita)**

THERAPY

Effect of intermittent normoxia on chronic hypoxic pulmonary hypertension, right ventricular hypertrophy, and polycythemia in rats. Kay JM. **Am Rev Respir Dis** 1980 Jun;121(6):993–1001

Polycythemia: mechanisms and management. Golde DW, et al. **Ann Intern Med** 1981 Jul;95(1):71–87 (159 ref.)

The perioperative management of patients with polycythaemia. Cundy J. **Ann R Coll Surg Engl** 1980 Nov; 62(6):470–5

Erythrocytosis managed [letter] Hochstrasser D, et al. **Arch Intern Med** 1981 Sep;141(10):1387

Haemodynamic effects of haematocrit reduction in patients with polycythaemia secondary to cyanotic congenital heart disease. Oldershaw PJ, et al. **Br Heart J** 1980 Nov; 44(5):584–8

Red cell mass, plasma volume and blood volume before and after venesection in relative polycythaemia. Humphrey PR, et al. **Br J Haematol** 1980 Nov;46(3):435–8

Management of relative polycythaemia: studies of cerebral blood flow and viscosity. Humphrey PR, et al. **Br J Haematol** 1980 Nov;46(3):427–33

The management of polycythaemia in the newborn infant. Malan AF, et al. **Early Hum Dev** 1980 Dec;4(4):393–403

Effects of acute plasma for blood exchange in experimental polycythemia. Brashear RE. **Respiration** 1980; 40(6):297–306

Increased oxygen uptake following phlebotomy and simultaneous fluid replacement in polycythemic patients. Shah DM, et al. **Surgery** 1980 Nov;88(5):686–92

VETERINARY

A retrospective study of canine hemangiosarcoma and its association with acanthocytosis. Hirsch VM, et al. **Can Vet J** 1981 May;22(5):152–5

POLYCYTHEMIA VERA

Polycythemia vera in childhood: case report and review of the literature. Danish EH, et al. **Am J Hematol** 1980; 9(4):421–8

BLOOD

Serum concentrations of erythropoietin measured by radioimmunoassay in hematologic disorders and chronic renal failure. Zaroulis CG, et al. **Am J Hematol** 1981; 11(1):85–92

Erythropoietin radioimmunoassay in evaluating patients with polycythemia. Koeffler HP, et al. **Ann Intern Med** 1981 Jan;94(1):44–7

Hypocholesterolemia in myeloproliferative disorders [letter] Spanos GA, et al. **Arch Intern Med** 1981 Jan;141(1):137–8

Moving boundary electrophoresis and sialic acid content of normal and polycythaemic red blood cells. Streichman S, et al. **Br J Haematol** 1981 Jun;48(2):273–9

Polycythemic blood perfusions in severe aplastic anemia. Nicoară S, et al. **Med Interne** 1980 Oct–Dec;18(4):413–9

Behavior of human serum R-type vitamin B12-binding proteins (cobalophilins) on lectin–sepharose affinity resins. Nochumson S, et al. **Proc Soc Exp Biol Med** 1981 Jan; 166(1):51–6

[Hemoglobin J Amiens beta 17 (A 14) Lys replaced by Asn. Coincidence of a functionally silent new abnormal hemoglobin and a polycythemia vera (author's transl)] Elion J, et al. **Nouv Rev Fr Hematol** 1979;21(4):347–52 (Eng. Abstr.) **(Fre)**

[Only direct blood volume determination enables the distinction between polycythemia due to plasma volume reduction and true, primary or secondary polyglobulia] Brassinne A. **Rev Med Liege** 1981 Jul 1–15;36(13–14):553–5 **(Fre)**

CHEMICALLY INDUCED

Polycythemia vera after chemotherapy-induced remission of Hodgkin's disease: report of a case. Quirk P, et al. **Can Med Assoc J** 1980 Jun 21;122(12):1399–400

COMPLICATIONS

Intraventricular thrombosis in polycythemia vera: A cause of intractable cardiac failure. Ali M, et al. **Am Heart J** 1980 Oct;100(4):520–2

Polycythemia vera with myelofibrosis and myeloid metaplasia. Acute hepatic failure following splenectomy. McBrine PA, et al. **Am J Clin Pathol** 1980 Nov;74(5):693–6

Hyperthyroidism and polycythemia vera with chronic urticaria and angioedema. Small P, et al. **Ann Allergy** 1981 May;46(5):256–9

Pyoderma gangrenosum and haematological malignancies [letter] Feuerman EJ. **Br J Dermatol** 1981 Mar;104(3):349

Pruritus of polycythaemia vera: a place for pizotifen? Fitzsimons EJ, et al. **Br Med J [Clin Res]** 1981 Jul 25; 283(6286):277

Twelve-year remission of polycythemia vera following Hodgkin's disease and chemotherapy. Stolinsky DC. **CA** 1981 Jan–Feb;31(1):57–60

Polycythaemia rubra vera with lamellar dystrophy of the nails: a report of two cases. Graham-Brown RA, et al. **Clin Exp Dermatol** 1980 Jun;5(2):209–12

Oculomotor nerve paresis–presenting sign of acute myeloblastic leukemia in a patient with polycythemia vera. Garfinkel D, et al. **Haematologica (Pavia)** 1980 Dec; 65(6):769–72

Spontaneous bleeding in polycythaemia vera [letter] Askew A. **Med J Aust** 1980 Oct 18;2(8):456

Extramedullary hematopoiesis of CNS in postpolycythemic myeloid metaplasia [letter] Cameron WR, et al. **N Engl J Med** 1981 Sep 24;305(13):765

Acute leukemia in polycythemia vera [letter] Pedersen-Bjergaard J, et al. **N Engl J Med** 1981 Aug 6; 305(6):342–3

Coexistence of diffuse lymphocytic lymphoma and polycythemia vera. Khojasteh A, et al. **South Med J** 1981 Jun;74(6):771–2

Polycythemia vera. II. Transgression towards leukemia with special emphasis on histological differential diagnosis, cytogenetics and survival. Vykoupil KF, et al.

Virchows Arch [Pathol Anat] 1980;389(3):325–41

[Pyoderma gangrenosum and Vaquez' disease (letter)] Taillandier J, et al. **Nouv Presse Med** 1981 Feb 7;10(5):339 **(Fre)**

[Polycythemia vera associated with hepatocellular carcinoma: apropos of a case] Toth J, et al. **Union Med Can** 1980 Nov;109(11):1638–40 **(Fre)**

[A case of chorea complicating polycythemia vera (author's transl)] Neriishi K, et al. **Rinsho Shinkeigaku** 1980 Apr; 20(4):221–4 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Pure erythrocytosis: reappraisal of a study of 51 cases. Najean Y, et al. **Am J Hematol** 1981;10(2):129–36

The differential diagnosis of the polycythemic states. Brodsky I. **Ann Clin Lab Sci** 1980 Jul–Aug;10(4):311–9

Erythropoietin and polycythemias [letter] Small BM. **Ann Intern Med** 1981 Aug;95(2):243

Polycythemia vera: clinical features, differential diagnosis, and treatment. Jacobson RJ. **Primary Care** 1980 Sep; 7(3):489–98

[Polycythemia vera] Ernst E. **MMW** 1981 Apr 3;123(14):66 **(Ger)**

DRUG THERAPY

Treatment of polycythaemia vera by radiophosphorus or busulphan: a randomized trial. 'Leukemia and Hematosarcoma' Cooperative Group, European Organization for Research on Treatment of Cancer (E.O.R.T.C.). **Br J Cancer** 1981 Jul;44(1):75–80

Increased incidence of acute leukemia in polycythemia vera associated with chlorambucil therapy. Berk PD, et al. **N Engl J Med** 1981 Feb 19;304(8):441–7

[Treatment of polycythemia vera with dibromomannitol (author's transl)] Yonemitsu H, et al. **Rinsho Ketsueki** 1980 May;21(5):587–91 (Eng. Abstr.) **(Jpn)**

[Attempt at an experimental validation of chalone treatment of erythremia] Neustroev GV. **Probl Gematol Pereliv Krovi** 1981 Feb;26(2):28–32 (Eng. Abstr.) **(Rus)**

[Use of the Soviet preparations, fotrin and imifos, in erythremia] Petrov KIa, et al. **Probl Gematol Pereliv Krovi** 1980 Aug;25(8):14–6 **(Rus)**

[Clinical effect of levamisole and feasibility of predicting its effectiveness in the laboratory] Vinogradova IuE, et al. **Ter Arkh** 1980;52(9):30–4 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Polycythemia vera and primary hyperparathyroidism. Godeau P, et al. **Arch Intern Med** 1981 Jun;141(7):951–3

FAMILIAL & GENETIC

Polycythemia vera in identical twins. Friedland ML, et al. **Am J Hematol** 1981;10(1):101–3

Karyotypic patterns and their clinical significance in polycythemia vera. Testa JR, et al. **Am J Hematol** 1981; 11(1):29–45

Polycythaemia rubra vera in monozygotic twins [letter] Burnside P, et al. **Br Med J [Clin Res]** 1981 Aug 22; 283(6290):560–1

Polycythaemia rubra vera and congenital deafness in monozygotic twins. Fairrie G, et al. **Br Med J [Clin Res]** 1981 Jul 18;283(6285):192–3

Multiple cytogenetically abnormal clones in two polycythemia vera patients. Testa JR, et al. **Hum Genet** 1981;57(2):165–8

[Cytogenetic studies of the bone marrow in preleukaemic syndromes (author's transl)] Carbonell F. **Sangre (Barc)** 1980;25(4):447–53 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Phagocytosis by megakaryocytes in malignant disorders [letter] Halil O, et al. **Br J Haematol** 1980 Sep;46(1):161

[Acute hemolysis in polycythemia vera] Bratusch-Marrain P, et al. **Acta Med Austriaca** 1979;6(5):189–91 (Eng. Abstr.) **(Ger)**

METABOLISM

Reduced platelet factor X-activating activity: a possible contribution to bleeding complications in polycythaemia vera and essential thrombocythaemia. Cortellazzo S, et al. **Haemostasis** 1981;10(1):37–50

[Long-term cultures in polycythaemia vera as proof for dependence on erythropoietin (author's transl)] Heilmann E, et al. **Blut** 1981 Jul;43(1):51–6 (Eng. Abstr.) **(Ger)**

OCCURRENCE

[Occurrence of polycythemia vera in Finland] Mattila K. **Duodecim** 1981;97(5):255–61 (Eng. Abstr.) **(Fin)**

[Polycythemia vera, a report on 24 cases] Magyar K, et al. **Z Gesamte Hyg** 1980 Apr;26(4):271–3 **(Ger)**

PATHOLOGY

Extension of myeloid tissue into the lower extremities in polycythemia. Kurnick JE, et al. **Am J Clin Pathol** 1980 Oct;74(4):427–31

Transformation of erythrocytosis associated with renal cyst to polycythemia vera. Djaldetti M, et al. **Haematologica (Pavia)** 1980 Jun;65(3):343–8

Polycythemia vera. Physical separation of normal and neoplastic committed granulocyte-macrophage progenitors. Singer JW, et al. **J Clin Invest** 1980 Oct; 66(4):730–5

Granulomonocytic progenitor cells (CFC*) cultured from patients with polycythaemia vera. Parmentier C, et al. **Nouv Rev Fr Hematol** 1980 Dec;22(4):339–55

Polycythemia vera. I. Histopathology, ultrastructure and cytogenetics of the bone marrow in comparison with secondary polycythemia. Vykoupil KF, et al. **Virchows Arch [Pathol Anat]** 1980;389(3):307–24

[Clinical-pathological conference. Polycythemia] Gratwohl A, et al. **Praxis** 1981 Apr 21;70(17):767–75 (Eng. Abstr.) **(Ger)**

[Colony-forming capacity of stromal elements of the bone marrow of polycythemia vera patients] Filev LV, et al. **Ter Arkh** 1980;52(9):76–8 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Polycythemia vera. Further in vitro studies of hematopoietic regulation. Adamson JW, et al. **J Clin Invest** 1980 Dec; 66(6):1363–8

RADIOTHERAPY

[Treatment of polycythemia vera with 32phosphorus (author's transl)] Zhou Q. **Chung Hua Fang She Hsueh Tsa Chih** 1979;13(3):140–3 **(Chi)**

THERAPY

[Current therapeutic aspects of polycythemia vera] Ferrara A. **Clin Ter** 1980 Dec 31;95(6):603–17 (Eng. Abstr.) **(Ita)**

[Organization of medical care of patients with polycythemia vera in Romania] Berceanu S, et al. **Rev Med Interna [Med Interna]** 1980 Nov–Dec; 32(6):557–62 (Eng. Abstr.) **(Rum)**

POLYDEOXYRIBONUCLEOTIDE SYNTHETASES see under **POLYNUCLEOTIDE SYNTHETASES**

POLYDEOXYRIBONUCLEOTIDES

Demethylation of O6-methylguanine in a synthetic DNA polymer by an inducible activity in Escherichia coli. Foote RS, et al. **Biochem Biophys Res Commun** 1980 Nov 28; 97(2):654–9

A novel Z-structure for poly d(GC).poly d(GC). Gupta G, et al. **Biochem Biophys Res Commun** 1980 Jul 31; 95(2):728–33

Strange double helix of poly (dA–dT) in high-salt solution. Kypr J, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1257–64

Proton NMR studies of ternary complexes of bleomycin with metal ions and nucleic acid. Pillai RP, et al. **Biochem Biophys Res Commun** 1980 Nov 17;97(1):270–8

Detection and characterization of complexes of methylmercury (II) with duplex deoxyribonucleic acid and synthetic copolymers by optical detection of magnetic resonance. Anderson RR, et al. **Biochemistry** 1980 Sep 16; 19(19):4412–8

Equilibrium studies of ethidium--polynucleotide interactions. Bresloff JL, et al. **Biochemistry** 1981 Jun 9;20(12):3547–53

Characterization of alternating deoxyribonucleic acid conformations in solution by phosphorus-31 nuclear magnetic resonance spectroscopy. Cohen JS, et al. **Biochemistry** 1981 May 26;20(11):3049–55

Hydrogen bonding in deoxyribonucleic acid base recognition. 2. Deoxyribonucleic acid binding studies of acridine alkylamides. Markovits J, et al. **Biochemistry** 1981 May 26;20(11):3042–8

Effect of tetramethylammonium ion on the helix-to-coil transition of poly(deoxyadenylylthymidine): a nuclear magnetic resonance and calorimetric investigation. Marky LA, et al. **Biochemistry** 1981 Mar 17;20(6):1427–31

Cleavage of deoxyribonucleic acid by the 1,10-phenanthroline-cuprous complex. Hydrogen peroxide requirement and primary and secondary structure specificity. Marshall LE, et al. **Biochemistry** 1981 Jan 20; 20(2):244–50

Left-handed deoxyribonucleic acid double helix in solution. Mitra CK, et al. **Biochemistry** 1981 Mar 31;20(7):2036–41

Fluorescence relaxation of proflavin–deoxyribonucleic acid interaction. Kinetic properties of a base-specific reaction. Ramstein J, et al. **Biochemistry** 1980 Aug 19;19(17):3938–48

Circular dichroism and fluorescence-detected circular dichroism of deoxyribonucleic acid and poly[d(A–C).d(G–T)] in ethanolic solutions: a new method for estimating circular intensity differential scattering. Reich C, et al. **Biochemistry** 1980 Nov 11;19(23):5208–13

Geometry of the phosphodiester backbone in the A form of deoxyribonucleic acid determined by phosphorus-31 nuclear magnetic resonance spectroscopy. Shindo H, et al. **Biochemistry** 1981 Feb 17;20(4):745–50

Fluorescence of terbium ion–nucleic acid complexes: a sensitive specific probe for unpaired residues in nucleic acids. Topal MD, et al. **Biochemistry** 1980 Nov 25; 19(24):5531–7

Interaction of lac repressor with alternating poly d (A–T) and poly d (G–C). Circular dichroism studies. Durand M, et al. **Biochimie** 1980;62(7):503–7

Calculated microwave absorption of double-helical B-conformation poly(dG).poly(dC). Kohli M, et al. **Biopolymers** 1981 Apr;20(4):853–64

Binding of ligands to a one-dimensional heterogeneous lattice. II. Intercalation of tilorone with DNA and polynucleotides. Sturm J, et al. **Biopolymers** 1981 Apr; 20(4):765–85

Binding of saframycin A, a heterocyclic quinone anti-tumor antibiotic to DNA as revealed by the use of the antibiotic labeled with [14C]tyrosine or [14C]cyanide. Ishiguro K, et al. **J Biol Chem** 1981 Mar 10;256(5):2162–7

Covalently bound ribonucleotides in crab d(A–T) polymer. Pruch JM, et al. **J Biol Chem** 1980 Oct 10;255(19):9409–12

Sequence-dependent helical periodicity of DNA. Rhodes D, et al. **Nature** 1981 Jul 23;292(5821):378–80

Circular dichroism spectra show that repeating dinucleotide DNAs may form helices in which every other base is looped out. Gray DM, et al. **Nucleic Acids Res** 1980 Aug 25;8(16):3695–707

Counterion dependent variation of DNA secondary structure in (A . T) clusters: evidence by use of netropsin as a structural probe. Reinert KE, et al. **Nucleic Acids Res** 1980 Nov 25;8(22):5519–31

Conformational changes of poly(dG-dC) . poly(dG-dC) modified by the carcinogen N-acetoxy-N-acetyl-2-aminofluorene. Sage E, et al. **Nucleic Acids Res** 1981 Mar 11;9(5):1241–50

Salt-induced conformational changes of poly(dA-dT). Vorlíčková M, et al. **Nucleic Acids Res** 1980 Sep 11; 8(17):3965–73

Effects of methylation on a synthetic polynucleotide: the B--Z transition in poly(dG-m5dC).poly(dG-m5dC). Behe M, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1619–23

Proton NMR studies of the Zn(II)--bleomycin-A2--poly(dA-dT) ternary complex. Glickson JD, et al. **Proc Natl Acad Sci USA** 1981 May; 78(5):2967–71

Nitroaniline diamine.poly(dA-dT) complexes: 1H and 19F NMR parameters for full intercalation of aromatic rings into DNA. Patel DJ, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1351–5

Conformation of poly(dG-dC) . poly(dG-dC) modified by the carcinogens N-acetoxy-N-acetyl-2-aminofluorene and N-hydroxy-N-2-aminofluorene. Sage E, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4597–601

Induction of the Z conformation in poly(dG-dC).poly(dG-dC) by binding of N-2-acetylaminofluorene to guanine residues. Santella RM, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1451–5

A RNA.DNA hybrid that can adopt two conformations: an x-ray diffraction study of poly(rA).poly(dT) in concentrated solution or in fibers. Zimmerman SB, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):78–82

[Investigation of hydration of poly[d(A–T)] polynucleotide in helical and random coli states by the method of low temperature scanning microcalorimetry] Mrevlishvili GM, et al. **Mol Biol (Mosk)** 1981 Mar–Apr;15(2):336–43 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Chemical synthesis of tridecanucleoside dodecaphosphate sequence of SV40 DNA. Chattopadhyaya JB, et al. **Nucleic Acids Res** 1980 May 10;8(9):2039–53

Synthesis of oligonucleotides on cellulose by a phosphotriester method. Crea R, et al. **Nucleic Acids Res** 1980 May 24;8(10):2331–48

Synthesis of the human insulin gene. Part III. Chemical synthesis of 5'-phosphomonoester group containing deoxyribooligonucleotides by the modified phosphotriester method. Its application in the synthesis of seventeen fragments constituting human insulin C-chain DNA. Hsiung HM, et al. **Nucleic Acids Res** 1980 Dec 11; 8(23):5753–65

Solid-phase synthesis of polynucleotides. IV. Usage of polystyrene resins for the synthesis of polydeoxyribonucleotides by the phosphostriester method. Miyoshi K, et al. **Nucleic Acids Res** 1980 Nov 25; 8(22):5507–17

Solid-phase synthesis of polynucleotides. II. Synthesis of polythymidylic acids by the block coupling phosphotriester method. Miyoshi K, et al. **Nucleic Acids Res** 1980 Nov 25;8(22):5473–89

Solid-phase synthesis of polynucleotides. III. Synthesis of polynucleotides with defined sequences by the block coupling phosphotriester method. Miyoshi K, et al. **Nucleic Acids Res** 1980 Nov 25;8(22):5491–505

New chemical methods for synthesizing polynucleotides. Caruthers MH, et al. **Nucleic Acids Symp Ser** 1980; (7):215–23

IMMUNOLOGY

Antibody to synthetic poly dAT: correlation with antibody to native DNA and specificity for SLE. Davis P, et al. **J Clin Pathol** 1980 Jul;33(7):648–52

ISOLATION & PURIFICATION

Protection of (dA.dT) cluster regions in the DNAase I cleavage of DNA by specific interaction with netropsin. Zimmer C, et al. **Nucleic Acids Res** 1980 Jul 11; 8(13):2999–3010

METABOLISM

Stimulation of poly(dT) transcription by Bacillus subtilis RNA polymerase in the presence of adenosine monophosphate. Badaracco G, et al. **Biochem Biophys Res Commun** 1981 Mar 16;99(1):23–9

Interaction of catabolite activator protein of Escherichia coli with single-stranded deoxyribonucleic acid. Garner MM, et al. **Biochemistry** 1981 Jan 20;20(2):306–12

Physical studies of the interaction of a calf thymus helix-destablizing protein with nucleic acids. Karpel RL, et al. **Biochemistry** 1980 Sep 30;19(20):4674–82

Proton nuclear magnetic resonance study of the self-complementary hexanucleotide d(pTpA)3 and its interaction with daunomycin. Phillips DR, et al. **Biochemistry** 1980 Oct 14;19(21):4795–801

Repair of neocarzinostatin-induced deoxyribonucleic acid damage in human lymphoblastoid cells: possible involvement of apurinic/apyrimidinic sites as intermediates. Tatsumi K, et al. **Biochemistry** 1980 Oct 14;19(21):4767–72

On the interaction of the lac repressor headpiece with nucleic acids. Hogan M, et al. **FEBS Lett** 1981 Feb 23;124(2):202–3

A DNA glycosylase from Escherichia coli that releases free urea from a polydeoxyribonucleotide containing fragments of base residues. Breimer L, et al. **Nucleic Acids Res** 1980 Dec 20;8(24):6199–211

Conformation of 145 base pair length poly (dG-dC) . poly (dG-dC) in solution and in association with histones. Simpson RT, et al. **Nucleic Acids Res** 1980 May 10; 8(9):2093–103

PHARMACODYNAMICS

Poly(d(A-T)) dependent RNA polymerase activity after treatment of nuclei with micrococcus nuclease. Aström S, et al. **Int J Biochem** 1981;13(4):431–6

Inhibition of Eco RI action by polynucleotides. A characterization of the non-specific binding of the enzyme to DNA. Langowski J, et al. **Nucleic Acids Res** 1980 Oct 24;8(20):4727–36

POLYENES

Charge-transfer complexes of some linear conjugated polyenes. Mallik B, et al. **Biochem J** 1980 Sep 1; 189(3):547–52

Determination of cholesterol asymmetry by rapid kinetics of filipin-cholesterol association: effect of modification in lipids and proteins. Bittman R, et al. **Biochemistry** 1981 Apr 28;20(9):2425–32

Fluorospectroscopic studies of various ganglioside and ganglioside--lecithin dispersions. Steady-state and time-resolved fluorescence measurements with 1,6-diphenyl-1,3,5-hexatriene. Uchida T, et al. **Biochemistry** 1981 Jan 6;20(1):162–9

Heterogeneity of toad bladder granular cell luminal membranes. Distribution of filipin-sterol complexes in freeze-fracture. Orci L, et al. **Biochim Biophys Acta** 1980 Oct 2;601(3):443–52

A membrane abnormality in lymphocytes from diabetic subjects. Cheung HC, et al. **Endocr Res Commun** 1980; 7(3):145–56

The structure of mepartricin A and mepartricin B. Golik J, et al. **J Antibiot (Tokyo)** 1980 Aug;33(8):904–7

Clinical experience with 15 neoprene-injected pancreatic allotransplants. Traeger J, et al. **Transplant Proc** 1980 Dec; 12(4 Suppl 2):44–50

ANALYSIS

Characterization of aromatic heptaene macrolide antibiotics by high performance liquid chromatography. Mechlinski W, et al. **J Antibiot (Tokyo)** 1980 Jun;33(6):591–9

Heterogeneous distribution of filipin--cholesterol complexes across the cisternae of the Golgi apparatus. Orci L, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):293–7

CHEMICAL SYNTHESIS

The preparation of N-glycosyl derivatives of polyene macrolide antibiotics and their comparative antifungal activities. Falkowski L, et al. **Acta Pol Pharm** 1980; 37(5):517–20

DIAGNOSTIC USE

Lipid fluidity and membrane protein monitoring using 1,6-diphenyl-1,3,5-hexatriene. Mély-Goubert B, et al. **Biochim Biophys Acta** 1980 Sep 18;601(2):315–27

IMMUNOLOGY

[Effect of polyene antibiotics on the increase in specific resistance due to inactivated antiviral vaccines] Vil'ner LM, et al. **Antibiotiki** 1980 Sep;25(9):669–73 (Eng. Abstr.) **(Rus)**

METABOLISM

A model for the effect of lipid oxidation on diphenylhexatriene fluorescence in phospholipid vesicles. Barrow DA, et al. **Biochim Biophys Acta** 1981 Jul 6; 645(1):17–23

Evolution of fluorescence polarization of 1,6-diphenyl-1,3,5-hexatriene (DPH) during the labelling of living cells. Bouchy M, et al. **Exp Cell Res** 1981 May; 133(1):39–46

[The influence of so-called 'diet' fats high in polyene acids on blood constituents, serum cholesterol and organ systems] Bräuer H. MMW 1980 Sep 17;122 Suppl 3:S86–120 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Influence of extracellular K+ or Mg2+ on the stages of the antifungal effects of amphotericin B and filipin. Brajtburg J, et al. **Antimicrob Agents Chemother** 1980 Oct; 18(4):593–7

Effects of filipin, digitonin, and polymyxin b on plasma membrane of ram spermatozoa--an EM study. Bradley MP, et al. **Arch Androl** 1980 May;4(3):195–204

Activation of rat lung particulate guanylate cyclase due to filipin induced fluidity change. Lad PJ. **Biochem Biophys Res Commun** 1980 Sep 16;96(1):203–10

The fluidity of plasma membranes of Dictyostelium discoideum. The effects of polyunsaturated fatty acid incorporation assessed by fluorescence depolarization and electron paramagnetic resonance. Herring FG, et al. **Biochim Biophys Acta** 1980 Oct 16;602(1):1–9

Light-scattering effects in the measurement of membrane microviscosity with diphenylhexatriene. Lentz BR, et al. **Biophys J** 1979 Mar;25(3):489–94

Is cholesterol the receptor for polyene antibiotic-induced B-lymphocyte activation. Hammarström L, et al. **Cell Immunol** 1980 Nov;56(1):193–204

Effects of amphotericin B, nystatin, and other polyene antibiotics on chitin synthase. Rast DM, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):1233–6

Opposite polarity of filipin-induced deformations in the membrane of condensing vacuoles and zymogen granules. Orci L, et al. **Science** 1980 Nov 28;210(4473):1019–21

Effect of intraductal injection of neoprene on the canine pancreas. Dubernard JM, et al. **Transplant Proc** 1980 Dec; 12(4 Suppl 2):123–5

Long-term survival of pancreatic isografts in rats. Martin X, et al. **Transplant Proc** 1980 Dec;12(4 Suppl 2):126–8

[Interactions between imidazol derivatives and polyene antibiotics (author's transl)] Raab W, et al. **Mykosen** 1981 Feb;24(2):65–83 (Eng. Abstr.) **(Ger)**

[Polyene antibiotic solubilization by bile acid salts in aqueous solutions] Etingova NI. **Antibiotiki** 1981 Jun;26(6):414–9 (Eng. Abstr.) **(Rus)**

[Role of sterols in the interaction of polyene antibiotics with lipid membranes] Felgin AM, et al. **Antibiotiki** 1981 Jul; 26(7):522–6 (Eng. Abstr.) **(Rus)**

[Modern concepts of the mechanism of action of polyene antibiotics: the interrelation of structure and function] Kasumov KhM. **Antibiotiki** 1981 Feb;26(2):143–55 (85 ref.) **(Rus)**

THERAPEUTIC USE

[The effect of mepartricin on prostatic adenoma] Pellet B, et al. **Rev Med Suisse Romande** 1980 Nov;100(11):899–903 **(Fre)**

[Action of a polyene macrolide on hyperdyslipidemic disorders] Barbaro A, et al. **Arch Sci Med (Torino)** 1980 Apr-Jun;137(2):211–6 (Eng. Abstr.) **(Ita)**

POLYESTERS

A new thermoplastic casting material. A comparison between plaster of Paris and Hexelite. Nielsen K, et al. **Acta Orthop Scand** 1981 Feb;52(1):27–9

Healing of femoral osteotomies with plastic plate fixation. Brown SA, et al. **Biomater Med Devices Artif Organs** 1981; 9(1):27–35

Contact dermatitis to polyester spin finishes. Burrows D, et al. **Contact Dermatitis** 1980 Aug;6(5):362–3

[The use of polypropylene-polyester prostheses in cranioplasty] Gawlik JD, et al. **Polim Med** 1980; 10(4):215–23 (Eng. Abstr.) **(Pol)**

ADMINISTRATION & DOSAGE

[Inflammatory reaction to polyester threads in guinea pigs. III. Reduction of Nitroblue tetrazolium by peritoneal macrophages in vitro] Ventrelli I, et al. **Boll Soc Ital Biol Sper** 1980 Jun 15;56(11):1144–9 (Eng. Abstr.) **(Ita)**

ANALYSIS

The characterization of motor vehicle body fillers. Home JM, et al. **Med Sci Law** 1980 Jul;20(3):163–74

[Effect of biological fluids on the electrostatic properties of polyester foil electrets] Lowkis B. **Polim Med** 1980; 10(1):41–52 (Eng. Abstr.) **(Pol)**

TOXICITY

[Polypropylene-polyester prostheses. Experimental studies] Staniszewska J. **Polim Med** 1980;10(4):205–14 (Eng. Abstr.) **(Pol)**

POLYETHYLENE GLYCOLS

Modification of human hemoglobin with polyethylene glycol : a new candidate for blood substitute. Ajisaka K, et al. **Biochem Biophys Res Commun** 1980 Dec 16;97(3):1076–81

Pressure-anesthetic antagonism on the phase separation of non-ionic surfactant micelles. Kaneshina S, et al. **Biochim Biophys Acta** 1980 Dec 12;603(2):237–44

Determination of cell/medium interfacial tensions from contact angles in aqueous polymer systems. Schürch S, et al. **Biochim Biophys Acta** 1981 Jan 22;640(2):557–71

Aging of erythrocytes results in altered red cell surface properties in the rat, but not in the human. Studies by partitioning in two-polymer aqueous phase systems. Walter H, et al. **Biochim Biophys Acta** 1981 Feb 20;641(1):202–15

A study of the use of polyethylene glycol in estimating cholesterol in high-density lipoprotein. Demacker PN, et al. **Clin Chem** 1980 Dec;26(13):1775–9

Removal of polyethylene glycols from immunoglobulin samples by adsorption chromatography on polystyrene beads. Skoog B. **Experientia** 1980 Oct 15;36(10):1157–8

Solubility properties of IgG immune complexes. Comparison between the effects of low molecular weight solvents and polyethylene glycols. Johansen AS, et al. **Immunology** 1980 Nov;41(3):695–704

Preparation of protein conjugates with alkoxypolyethylene glycols. King TP, et al. **Int J Pept Protein Res** 1980 Aug; 16(2):147–55

Preferential solvent interactions between proteins and polyethylene glycols. Lee JC, et al. **J Biol Chem** 1981 Jan 25;256(2):625–31

Polyphasic linkage between protein solubility and ligand binding in the hemoglobin-polyethylene glycol system. Tisel WA, et al. **J Biol Chem** 1980 Oct 10;255(19):8975–8

Three polyethylene glycol dependent methods for the detection or circulating immune complexes in pathological sera: comparison with the Raji cell method. Johny KV, et al. **J Immunol Methods** 1981;40(1):61–71

Comparison of polyethylene glycol and polyoxyethylene stearate as excipients for solid dispersion systems of griseofulvin and tolbutamide I: phase equilibria. Kaur R, et al. **J Pharm Sci** 1980 Nov;69(11):1317–21

Comparison of polyethylene glycol and polyoxyethylene stearate as excipients for solid dispersion systems of griseofulvin and tolbutamide II: dissolution and solubility studies. Kaur R, et al. **J Pharm Sci** 1980 Nov;69(11):1321–6

Mass transport properties of co(polyether)polyurethane membranes I: Preparation and characterization. Matheson LE Jr, et al. **J Pharm Sci** 1981 May;70(5):571–3

Polyethylene glycols as solvents in implantable osmotic pumps. Will PC, et al. **J Pharm Sci** 1980 Jun;69(6):747–9

Assay of human endometrial progesterone receptors using the natural hormone and a polyethylene glycol precipitation technique. Hammond KD, et al. **J Steroid Biochem** 1980 Oct;13(10):1147–56

Polyethylene glycol 6000 as an accelerator in a double antibody radioimmunoassay system. Henley R, et al. **Med Lab Sci** 1980 Oct;37(4):367–9

Ammonium sulfate and polyethylene glycol as reagents to separate antigen from antigen-antibody complexes. Chard T. **Methods Enzymol** 1980;70(A):280–91

Polyethylene glycol derivatives of base and sequence specific DNA ligands: DNA interaction and application for base specific separation of DNA fragments by gel electrophoresis. Müller W, et al. **Nucleic Acids Res** 1981 Jan 10;9(1):95–119

Alpha and fission fragment autoradiography with superimposed tissue images in CR-39 plastic. Gore DJ, et al. **Phys Med Biol** 1980 Nov;25(6):1095–1104

Delivery of the topical antimicrobial agents silver sulfadiazine, gentamicin and nystatin to infected burn wounds in rats from preloaded synthetic dressings. Robb EC, et al. **Trans Am Soc Artif Intern Organs** 1980;26:533–6

[Description of the process of DNA (RNA) condensation in saline solutions containing polyethylene glycol] Evdokimov IuM, et al. **Biofizika** 1981 Mar-Apr;26(2):222–7 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Pluronic F-68: a promising new skin wound cleanser. Rodeheaver GT, et al. **Ann Emerg Med** 1980 Nov; 9(11):572–6

A double-blind comparison of two bulk laxatives on geriatric patients. Götestam KG. **Scand J Soc Med [Suppl]** 1977; Suppl 14:141–5

ANALYSIS

A simple method for the separation and assay of non-ionic detergents. Whitmore DA, et al. **J Biochem Biophys Methods** 1980 Mar;2(3):133–8

[Determination of nonionogenic tensides in water by thin-layer chromatography] Janeva S, et al. **Z Gesamte Hyg** 1980;26(5):346–9 (Eng. Abstr.) **(Ger)**

BLOOD

A method for the estimation of polyethylene glycol in plasma protein fractions. Sims GE, et al. **Anal Biochem** 1980 Sep 1;107(1):60–3

DIAGNOSTIC USE

Application of polyethylene glycol turbidity assay to detection of circulating immune complexes in cancer patients. Rayner AA, et al. **Am J Surg** 1981 Apr; 141(4):460–4

Polyethylene glycol and second antibody in radioimmunoassay of human choriogonadotropin [letter]

Horn H, et al. **Clin Chem** 1980 Apr;26(5):666–7

Improved method for determination of high-density-lipoprotein cholesterol I. Isolation of high-density lipoproteins by use of polyethylene glycol 6000. Izzo C, et al. **Clin Chem** 1981 Mar;27(3):371–4

A rapid radioimmunoassay method for serum luteinizing hormone utilizing polyethylene glycol and a double-antibody method of separation. Seibel MM, et al. **Fertil Steril** 1981 Jan;35(1):36–9

Use of nonabsorbable markers for gastrointestinal contents in in vivo measurement of magnesium bioavailability. Schwartz R, et al. **J Nutr** 1981 Feb;111(2):219–25

[Radioimmunoassay for alpha-fetoprotein by polyethylene glycol precipitation, and decreasing pattern of serum alpha-fetoprotein in early infancy (author's transl)] Okada J, et al. **Horumon To Rinsho** 1980 Nov;28(11):1369–74 **(Jpn)**

[Studies on the radioimmunoassay kit for human C-peptide using the polyethylene glycol method (author's transl)] Yoshida T, et al. **Horumon To Rinsho** 1980 Nov; 28(11):1349–52 **(Jpn)**

[Comparative studies on the measurements of serum thyroxine using antibody-coated test tubes and polyethylene glycol (author's transl)] Tanaka K, et al. **Kaku Igaku** 1980 Jul;17(5):625–30 **(Jpn)**

[Immunocomplexes in pediatrics. I: Detection with polyethilenglycol precipitation (author's transl)] Blanco A, et al. **An Esp Pediatr** 1980 Jul;13(7):551–60 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Adjuvant effect of nonionic block polymer surfactants in humoral and cellular immunity. Snippe H, et al. **Int Arch Allergy Appl Immunol** 1981;65(4):390–8

ISOLATION & PURIFICATION

Separation of macromolecules by ultrafiltration: removal of poly(ethylene glycol) from human albumin. Busby TF, et al. **J Biochem Biophys Methods** 1980 Apr;2(4):191–206

METABOLISM

Efflux of radiolabeled polyethylene glycols and albumin from rat brain. Cserr HF, et al. **Am J Physiol** 1981 Apr; 240(4):F319–28

Purification and characterization of polyethylene glycol dehydrogenase involved in the bacterial metabolism of polyethylene glycol. Kawai F, et al. **Appl Environ Microbiol** 1980 Oct;40(4):701–5

Impermeability of hagfish cerebral capillaries to radio-labelled polyethylene glycols and to microperoxidase. Bundgaard M, et al. **Brain Res** 1981 Feb 9;206(1):71–81

Cellular changes associated with Triton WR1339 accumulation in rat hepatocytes. III. Cellular clearance. Trout JJ, et al. **Exp Mol Pathol** 1981 Apr;34(2):183–90

The porosity of the cell wall of Candida albicans. Cope JE. **J Gen Microbiol** 1980 Jul;119(1):253–5

PHARMACODYNAMICS

Investigations on polyethylene glycol-induced cell fusion – freeze fracture observations. Krähling H. **Acta Histochem [Suppl] (Jena)** 1981;23:219–23

Polyethylene glycol induced membrane fusion in yeast protoplasts. Svoboda A. **Acta Histochem [Suppl] (Jena)** 1981;23:211–7

Abnormalities of volume regulation and membrane integrity in myocardial tissue slices after early ischemic injury in the dog: effects of mannitol, polyethylene glycol, and propranolol. Buja LM, et al. **Am J Pathol** 1981 Apr; 103(1):79–95

Effect of hydrophobic surfactant (Pluronic L-81) on lymphatic lipid transport in the rat. Tso P, et al. **Am J Physiol** 1980 Nov;239(5):G348–53

Effect of a dispersion of cholesterol in Triton WR-1339 on acyl CoA: cholesterol acyltransferase in rat liver microsomes. Billheimer JT, et al. **Anal Biochem** 1981 Mar 1;111(2):331–5

Influence of hetero-association on the precipitation of proteins by poly(ethylene glycol). Miekka SI, et al. **Arch Biochem Biophys** 1980 Sep;203(2):630–41

Activities of cell fusion and lysis of the hybrid type of chemical fusogens. (I). Structure and function of the promotor of cell fusion. Honda K, et al. **Biochem Biophys Res Commun** 1981 May 15;100(1):442–8

Inhibition of oligopeptide transport in S. cerevisiae by a peptide-poly (ethylene glycol) conjugate. Naider F, et al. **Biochem Biophys Res Commun** 1980 Aug 14;95(3):1187–91

Triton WR-1339 induced changes in the fatty acid composition of serum lipids in rats. Orbán E, et al. **Biochem Pharmacol** 1980 Oct 15;29(20):2879–82

Effect of polyethylene glycol 6000 on the generation of antitumor cytotoxicity in MOPC-315 tumor bearer spleen cells cultured in the presence or absence of inactivated stimulator tumor cells. Przepiorka D, et al. **Cancer Res** 1980 Dec;40(12):4565–70

Multinucleation of transformed cells normalizes their spreading on the substratum and their cytoskeleton structure. Bershadsky AD, et al. **Cell Biol Int Rep** 1981 Feb;5(2):143–50

Modulation of polymorphonuclear leukocyte locomotion by synthetic amphiphiles: effect of saturated fatty acid esters (C2–C18) of poly(ethyleneglycol) 6000. Dahlgren C, et al. **Cell Biophys** 1980 Sep;2(3):253–67

Hybridization frequencies of Chinese hamster and mouse fibroblasts fused with polyethylene glycol at different cell densities. Lanfranchi G, et al. **Cell Differ** 1981 Mar; 10(2):87–91

Temperature dependent rise in activity of horseradish peroxidase caused by non-ionic detergents and its use in enzyme-immunoassay. Porstmann B, et al. **Clin Chim Acta** 1981 Jan 22;109(2):175–81

A clinical trial of Neo Sampoon vaginal contraceptive tablets. Begum SF, et al. **Contraception** 1980 Dec;22(6):573–82

Polyethylene glycol- and lysolecithin-induced cell fusion between follicle cell and very small oocyte in Xenopus laevis. Wakahara M. **Exp Cell Res** 1980 Jul;128(1):9–14

Comparison of hydrophobic surfactant and cholestyramine on lipid and sterol balance in the rat. Bochenek WJ, et al. **Exp Mol Pathol** 1980 Oct;33(2):223–30

Self-association of the pyruvate dehydrogenase complex from Azotobacter vinelandii in the presence of polyethylene glycol. Bosma HJ, et al. **FEBS Lett** 1980 Nov 3;120(2):179–82

Effect of PEG on absorption [letter] Phillips SF. **Gastroenterology** 1981 Jan;80(1):212–3

Influence of the fusogenic agent polyethylene glycol on attachment of Mycoplasma pneumoniae to other cells. Prakash G, et al. **Infect Immun** 1981 May;32(2):969–72

Influence of polyethylene glycols on the kinetics of rat liver phosphofructokinase. Reinhart GD. **J Biol Chem** 1980 Nov 25;255(22):10576–8

Thirst and sodium appetite after colloid treatment in rats. Stricker EM. **J Comp Physiol Psychol** 1981 Feb;95(1):1–25

Formation of tetraploid mouse blastocysts following blastomere fusion with polyethylene glycol. Eglitis MA. **J Exp Zool** 1980 Aug;213(2):309–13

The mechanism of drinking induced by parenteral hyperonocotic solutions in the pigeon and in the rat. Kaufman S, et al. **J Physiol (Lond)** 1980 Apr;301:91–9

Effects of polyethylene glycol on water and saline intake in the Mongolian gerbil. Kozub FJ, et al. **J Psychol** 1981 Jan;107(First Half):131–5

Adhesion of human and chicken red blood cells to polystyrene: influence of electrolyte and polyethylene glycol concentration. Horisberger M. **Physiol Chem Phys** 1980;12(3):195–204

Effects of protectants on the activity of wheat mitochondria. Goldstein AH, et al. **Prep Biochem** 1981;11(1):33–47

Use of lectins and polyethylene glycol for fusion of glycolipid-containing liposomes with eukaryotic cells. Szoka F, et al. **Proc Natl Acad Sci USA** 1981 Mar; 78(3):1685–9

Modulation of polymorphonuclear leukocyte locomotion by synthetic amphiphiles. Dahlgren C, et al. **Scand J Infect Dis [Suppl]** 1980;Suppl 24:44–7

A simple method for fusing human lymphocytes with rodent cells in monolayer by polyethylene glycol. Brahe C, et al. **Somatic Cell Genet** 1981 Jan;7(1):109–15

[Effect of polyoxyethylene glycol by products on Candida albicans cultures (author's transl)] Lacroix J, et al. **Ann Pharm Fr** 1980;38(2):169–72 (Eng. Abstr.) **(Fre)**

[Changes in the cholesterol levels of high density lipoproteins following the intravenous administration of triton WR 1339 to rats (author's transl)] Cazin JC, et al. **Pathol Biol (Paris)** 1980 Dec;28(10):651–5 (Eng. Abstr.) **(Fre)**

[Basis examinations for pathogenesis and treatment of fat embolism. III. The interface tension of blood against lipids. B. Their influence by addition of surfactants and the effect on the lipid solubility in vitro] Gottlob R, et al. **Z Exp Chir** 1980 Oct;13(5):280–9 (Eng. Abstr.) **(Ger)**

[Activities of 3-hydroxyl-3-methylglutaryl-CoA reductase and acetyl-CoA carboxylase and the rate of mevalonic acid, squalene, sterol and fatty acid biosynthesis from [1-14C]acetyl-CoA and [2-14C]malonyl-CoA in rat liver: effects of Triton WR 1339, starvation and cholesterol diet] Poliakova ED, et al. **Biokhimiia** 1981 Feb;46(2):296–305 (Eng. Abstr.) **(Rus)**

[Redistribution of fluid phases of the brain during an increase in blood osmolarity] Pinegin LE, et al. **Biull Eksp Biol Med** 1980 Dec;90(12):660–1 (Eng. Abstr.) **(Rus)**

[Dynamics of central venous, arterial, and cerebrospinal fluid pressures following polyethyleneglycol administration] Vainshtein GB, et al. **Fiziol Zh SSSR** 1980 Sep; 66(9):1369–75 (Eng. Abstr.) **(Rus)**

[Experimental study of the effect of polyethylene oxide-400 on intraocular pressure] Cherednichenko VM, et al. **Oftalmol Zh** 1980;35(6):359–61 (Eng. Abstr.) **(Rus)**

[Effect of polyethylene oxide 400 on the mitotic regimen of human peripheral blood leukocytes in culture] Glushko TA, et al. **Tsitol Genet** 1980 Mar–Apr;14(2):70–2 (Eng. Abstr.) **(Rus)**

[Effects of the concentration of polyethylene glycol in the quantification of immunoglobulins by continuous flow nephelometry] Malagón F, et al. **Allergol Immunopathol (Madr)** 1980 Sep–Oct;8(5):559–68 (Eng. Abstr.) **(Spa)**

RADIATION EFFECTS

Ultraviolet light and suture material. Fechner PU, et al. **J Am Intraocul Implant Soc** 1980 Oct;6(4):349–51

THERAPEUTIC USE

Hypouricaemic effect of polyethyleneglycol modified urate oxidase. Davis S, et al. **Lancet** 1981 Aug 8;2(8241):281–3

The management of puerperal haemorrhoids. A double-blind clinical trial of Anacal rectal ointment. Ledward RS. **Practitioner** 1980 Jun;224(1344):660–1

TOXICITY

Polyethylene glycol in suppositories: carcinogenic? [letter] Greene MH, et al. **Ann Intern Med** 1980 Nov;93(5):781

Cryoprotective concentrations of polyethyleneoxide exhibit low toxicity toward the isolated perfused rat liver. Lee D, et al. **Cryobiology** 1981 Jun;18(3):271–6

The histamine releasing properties of some agents used in textile industry. Kazimierczak W, et al. **Pol J Pharmacol Pharm** 1980;32(5):703–13

Cremophor and Emulphor induced alterations of serum lipids and lipoprotein electrophoretic patterns of dogs. Hacker M, et al. **Res Commun Chem Pathol Pharmacol** 1981 Jan; 31(1):119–28

URINE

Elimination of low molecular weight polyethylene glycol 400 in the urine following an oral load, as a measure of intestinal permeability. Blätzinger JG, et al. **J Clin Chem Clin Biochem** 1981 May;19(5):265–6

POLYETHYLENE TEREPHTHALATE

Prosthetic arterial graft material. Influence on neointimal healing and bacteremic infectibility. Moore WS, et al. **Arch Surg** 1980 Nov;115(11):1379–83

The salvage of occluded Dacron grafts. Macpherson DS, et al. **Br J Surg** 1981 Apr;68(4):281–3

Migration of ethylene glycol from polyethylene terephthalate bottles into 3% acetic acid. Kashtock M, et al. **J Assoc Off Anal Chem** 1980 Mar;63(2):168–72

Leakage across the premoulded dacron baffle used for correction of transposition of the great arteries. Mohri H, et al. **J Cardiovasc Surg (Torino)** 1980 Jul-Aug;21(4):417–22

Mechanical hemolytic anemia after surgical correction of a congenital cardiopathy. Morillo F, et al. **J Cardiovasc Surg (Torino)** 1980 Nov-Dec;21(6):687–92

The experimental value of silicone-sheet, dacron felt spacers in prevention of capsular contractures. Rybka FJ. **Plast Reconstr Surg** 1980 Oct;66(4):502–8

Controlled microstructure of two stage polyhydroxyethyl methacrylate coatings on polyethylene terephthalate substrates for potential prosthetic applications. Greer RT, et al. **Scan Electron Microsc** 1980;(3):277–90

[Experimental staphylococcal colonization of a Dacron arterial prosthesis (author's transl)] Goëau-Brissonnière O, et al. **J Chir (Paris)** 1980 Jun-Jul;117(6–7):397–401 (Eng. Abstr.) **(Fre)**

[On preclotting of woven Dacron vascular prostheses (author's transl)] Topping C, et al. **J Chir (Paris)** 1980 Jun-Jul;117(6–7):403–9 (Eng. Abstr.) **(Fre)**

[Polyethylene terephtalate (Dacron) prostheses as arterial substitutes. Value of commercial grafts as abdominal aorta substitutes in the dog (author's transl)] Guidoin R, et al. **J Mal Vasc** 1980;5(1):3–12 (Eng. Abstr.) **(Fre)**

[Dacron tulle prosthesis and biological glue in the surgical treatment of incisional hernias (author's transl)] Stoppa R, et al. **Nouv Presse Med** 1980 Dec 6;9(46):3541–5 (Eng. Abstr.) **(Fre)**

[Extensive osteolysis secondary to the implantation of thread in bone (author's transl)] Vives P, et al. **Rev Chir Orthop** 1980 Sep;66(6):395–7 (Eng. Abstr.) **(Fre)**

[(The behaviour of dacron grafts in porta-caval interposition-shunts)] Kohaus H, et al. **Z Gastroenterol** 1980 Mar;18(3):161–9 (Eng. Abstr.) **(Ger)**

[Mixed aorta-popliteal by-pass: a new proposal for the treatment of extensive ilio-femoral obstruction] Motta G, et al. **Boll Soc Ital Biol Sper** 1979 May 15;55(9):826–32 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Late fiber deterioration in Dacron arterial grafts. Berger K, et al. **Ann Surg** 1981 Apr;193(4):477–91

Arterial graft maturation: the duration of thrombotic activity in Dacron aortobifemoral grafts measured by platelet and fibrinogen kinetics. McCollum CN, et al. **Br J Surg** 1981 Jan;68(1):61–4

Dacron graft erosion of the duodenum: a complication of interposition mesocaval shunt operations. Osborne DR, et al. **Br J Surg** 1981 Jul;68(7):483–4

Noninfectious fluid collection around velour dacron graft: possible allergic reaction. Bhuta I, et al. **South Med J** 1981 Jul;74(7):870–2

ANALYSIS

[Identification and quantitative determination by a gas chromatograhic method of the substances released from the melting of polyethylene terephthalate] Babina MD. **Gig Tr Prof Zabol** 1980 Oct;(10):51–3 **(Rus)**

CHEMICAL SYNTHESIS

[Hygienic evaluation of the technological process for producing polyethylene terephthalate] Lisitsyn VM.

Gig Tr Prof Zabol 1980 Sep;(9):52–4 (Rus)

THERAPEUTIC USE

Dacron velour arteriovenous fistula for hemodialysis access. Lindenauer SM, et al. Ann Surg 1981 Jan;193(1):43–8

Regeneration of endothelium in knitted and velour dacron vascular grafts in dogs. Hertzer NR. J Cardiovasc Surg (Torino) 1981 May–Jun;22(3):223–30

[Prosthetic materials for reparative surgery on the rat biliary tracts: Gore-Tex and dacron] Masciariello S, et al. Chir Patol Sper 1979 Feb;27(1):17–31 (Eng. Abstr.) (Ita)

POLYETHYLENEIMINE see under **POLYETHYLENES**

POLYETHYLENES

Insulin adsorption to polyolefin infusion bottles and polyvinyl chloride administration sets. Hirsch JI, et al. Am J Hosp Pharm 1981 Jul;38(7):995–7

Adsorption of human fibrinogen and human serum albumin onto polyethylene. Brynda E, et al. Ann Biomed Eng 1980; 8(3):245–52

A plastic intermedullary plug for total hip arthroplasty. Mallory TH. Clin Orthop 1981 Mar–Apr;(155):37–40

Alopecia in laboratory animals induced by a polyampholyte, polyethylene alanine. De Clercq E, et al. Experientia 1980 Sep 15;36(9):1107–8

Porous plastic implants [news] VM SAC 1981 Apr;76(4):590

ADVERSE EFFECTS

Tympanic membrane changes after installation of polyethylene grommets. An experimental study in the rat. Stenfors LE, et al. Acta Otolaryngol (Stockh) 1980; 90(1–2):16–24

PHARMACODYNAMICS

Histamine release from rat mast cells induced by protamine sulfate and polyethylene imine. Schnitzler S, et al. Agents Actions 1981 Apr;11(1–2):73–4

STANDARDS

Proplast and Plastipore. Kerr AG. Clin Otolaryngol 1981 Jun; 6(3):187–91

TOXICITY

[Toxicity testing of polymeric and rubber materials used in tissue culture] Jelinek J, et al. Cesk Farm 1980 May; 29(3–4):100–2 (Eng. Abstr.) (Cze)

[Hygienic evaluation of new polyolefin class polymer materials for the food industry] Braun DD, et al. Gig Sanit 1980 Jun;(6):29–31 (Eng. Abstr.) (Rus)

POLYGALACTOSES see **GALACTANS**

POLYGALACTURONASE see under **GLYCOSIDE HYDROLASES**

POLYGELINE see under **POLYMERS**

POLYGLACTIN 910 see under **POLYMERS**

POLYGLUCOSES see **GLUCANS**

POLYGLUTAMIC ACID see under **PEPTIDES**

POLYGLYCOLIC ACID

Abdominal wound closure: a trial of Prolene and Dexon. Cameron AE, et al. Br J Surg 1980 Jul;67(7):487–8

Primary vascular anastomosis in growing pigs: comparison of polypropylene and polyglycolic acid sutures. Pae WE Jr, et al. J Thorac Cardiovasc Surg 1981 Jun;81(6):921–7

Use of absorbable sutures in outpatient cataract surgery and lens implantation. Williamson DE. Ophthalmic Surg 1980 Nov;11(11):778–9

The important role of graft organization at the vascular prosthetic anastomosis. Sasaki H. Tohoku J Exp Med 1980 Dec;132(4):405–11

[A comparative study of 'slowly resorbed suture material' in the rat with tracheal sutures (author's transl)] Sezeur A, et al. J Chir (Paris) 1980 Apr;117(4):265–71 (12 ref.) (Eng. Abstr.) (Fre)

[In vivo studies on the tensile strength loss of absorbable synthetic threads] Thiede A, et al. Chirurg 1980 Dec; 51(12):768–73 (Eng. Abstr.) (Ger)

[Polyglycolic acid suture in strabismus surgery (author's transl)] Demmler N. Klin Monatsbl Augenheilkd 1980; 177(2):238–40 (Eng. Abstr.) (Ger)

[Experimental studies on the usefulness of Dexon (polyglycolic acid) and our own modified suture method for suturing after tendon severing] Minta P. Z Exp Chir 1980;13(1):59–65 (Eng. Abstr.) (Ger)

[Closure of the wound with polyglycolic acid sutures in cardiac and thoracic surgery (author's tranls)] Shigenobu M, et al. Kyobu Geka 1980;33(7):520–1 (Eng. Abstr.) (Jpn)

ADVERSE EFFECTS

[Tissue reactivity to polyglycolic acid and nylon. Comparative study on the swine choledochus] Galletti G, et al. Chir Patol Sper 1979 Oct;27(5):456–74 (Eng. Abstr.) (Ita)

STANDARDS

Abdominal wound closure—a comparison of monofilament nylon and polyglycolic acid. Bucknall TE, et al. Surgery 1981 Jun;89(6):672–7

POLYHEDROSIS VIRUSES

ANALYSIS

Biochemical and biophysical properties of a Mamestra brassicae multiple enveloped nuclear polyhedrosis virus. Kelly DC, et al. Arch Virol 1980;66(2):133–41

[Virion polypeptides of the nuclear polyhedrosis virus of the silkworm] Kozlov EA, et al. Biokhimiia 1980 Jan; 45(1):130–6 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Allosteric stimulatory effect of S-adenosylmethionine on the RNA polymerase in cytoplasmic polyhedrosis virus. A model for the positive control of eukaryotic transcription. Furuichi Y. J Biol Chem 1981 Jan 10;256(1):483–93

GROWTH & DEVELOPMENT

Biological studies of a baculovirus in a mammalian cell line. McIntosh AH, et al. Intervirology 1980;13(6):331–41

Virus envelope acquisition of nuclear polyhedrosis virus in vitro. Shang-Yin G. Yale J Biol Med 1981 Jan–Feb; 54(1):27–32

ISOLATION & PURIFICATION

Field-flow fractionation of alkali-liberated nuclear polyhedrosis virus from gypsy moth Lymantria dispar Linnaeus. Caldwell KD, et al. J Virol Methods 1980; 1(5):241–56

METABOLISM

Changes in nucleus and surface of Lepidoptera cells cultivated in vitro after infection with nuclear polyhedrosis viruses (Autographa californica). Hilwig I. Acta Biol Acad Sci Hung 1980;31(1–3):141–7

PATHOGENICITY

[Quantitative determination of the infectivity of nuclear polyhedrosis virus DNA on honeycomb moth (Galleria mellonella) larvae] Gorbunova EE, et al. Vopr Virusol 1980 May–Jun;(3):360–4 (Eng. Abstr.) (Rus)

RADIATION EFFECTS

Production of cytoplasmic polyhedrosis virus (CPV) polyhedra in a gamma irradiated Lymantria dispar cell line. Belloncik S, et al. Arch Virol 1981;68(3–4):303–8

ULTRASTRUCTURE

Ultrastructural studies of partially solubilized polyhedral inclusion bodies of a baculovirus infecting Spodoptera littoralis (Boisduval). Vogel I, et al. Arch Virol 1980; 66(4):371–6

An electron microscope study of partially lysed baculovirus nucleocapsids: the intranucleocapsid packaging of viral DNA. Bud HM, et al. J Ultrastruct Res 1980 Dec; 73(3):361–8

[Pathohistological and ultrastructural studies of the nuclear polyhedrosis virus in the silkworm (Bombyx mori L.)] Manchev M, et al. Vet Med Nauki 1980;17(9–10):9–18 (Eng. Abstr.) (Bul)

POLYHYDROXYETHYL METHACRYLATE see under **POLYMETHACRYLIC ACIDS**

POLYISOCYANATES see **POLYURETHANES**

POLYISOPRENYL PHOSPHATE MONOSACCHARIDES see under **POLYISOPRENYL PHOSPHATE SUGARS**

POLYISOPRENYL PHOSPHATE OLIGOSACCHARIDES see under **POLYISOPRENYL PHOSPHATE SUGARS**

POLYISOPRENYL PHOSPHATE SUGARS

ANALYSIS

Dietary regulation of intermediates in cell-surface glycoprotein synthesis. Nutr Rev 1980 Sep;38(9):324–5

BIOSYNTHESIS

The biosynthesis of a mannolipid containing a metabolite of retinoic acid by 3T12 mouse fibroblasts. Bhat PV, et al. Ann NY Acad Sci 1981 Feb 27;359:135–49

In vitro vitamin A-mediated glycosylation: recent developments in enzymatic studies. Frot-Coutaz J, et al. Ann NY Acad Sci 1981 Feb 27;359:298–305

Synthesis of lipid-linked oligosaccharides in vitamin A-deficient rat liver in vivo. Rosso GC, et al. Ann NY Acad Sci 1981 Feb 27;359:418–9

Recent studies on the involvement of retinyl phosphate as a carrier of mannose in biological membranes. Shidoji Y, et al. Ann NY Acad Sci 1981 Feb 27;359:345–57

Synthesis of mannosyl cellobiose diphosphate prenol in Acetobacter xylinum. Couso RO, et al. Arch Biochem Biophys 1980 Oct 15;204(2):435–43

Enzymatic dephosphorylation of dolichyl pyrophosphate—the bacitracin-sensitive, rate-limiting step for dolichyl mannosyl phosphate synthesis in rat liver microsomes. Kato S, et al. Biochem Biophys Res Commun 1980 Jul 31;95(2):770–6

Inhibition of lipid-linked mannose and mannoprotein synthesis in yeast by diumycin in vitro. Babczinski P. Eur J Biochem 1980 Nov;112(1):53–8

Glucosyltransferase activities in liver mitochondria. I. Biosynthesis of dolichyl[14C]glucosyl phosphate and [14C]glucosylceramide. Gateau O, et al. Eur J Biochem 1980 Nov;112(1):193–201

Metabolism of lipid-linked oligosaccharide intermediates in rat spleen lymphocytes. Evidence for ectoglycosyltransferase activities. Hoflack B, et al. Eur J Biochem 1980 Nov;112(1):81–6

Biosynthesis of dolichyl pyrophosphate trisaccharide from synthetic dolichyl pyrophosphate di-N-acetylchitobiose and GDP-D-[14C]mannose in calf pancreas microsomes. Herscovics A, et al. FEBS Lett 1980 Nov 3;120(2):271–3

Transitory effects of glucose starvation on the synthesis of dolichol-linked oligosaccharides in mammalian cells. Gershman H, et al. J Biol Chem 1981 Aug 10; 256(15):7774–80

ISOLATION & PURIFICATION

Separation of dolichylpyrophosphoryloligosaccharides by liquid chromatography. Wells GB, et al. Anal Biochem 1981 Jan 15;110(2):397–406

METABOLISM

Formation of alpha-1,2- and alpha-1,3-linked mannose disaccharides from mannosyl retinyl phosphate by rat liver membrane enzymes. Quill H, et al. Ann NY Acad Sci 1981 Feb 27;359:331–44

Partial characterization of the polyisoprenoid carrier of N-acetylglucosamine in Glycine max (soya bean). Chadwick CM, et al. Biochem J 1980 Aug 15;190(2):255–61

Formation of alpha-1,2- and alpha-1,3-linked mannose disaccharides from dolichyl mannosyl phosphate by rat liver membrane enzymes. Quill H, et al. Biochim Biophys Acta 1981 May 18;674(3):327–35

Biosynthesis of dolichyl pyrophosphate trisaccharide from synthetic dolichyl pyrophosphate di-N-acetylchitobiose and GDP-D-[14C]mannose in calf pancreas microsomes. Herscovics A, et al. FEBS Lett 1980 Nov 3;120(2):271–3

Transfer of glucose to oligosaccharide-lipid intermediates by thyroid microsomal enzymes and its relationship to the N-glycosylation of proteins. Murphy LA, et al. J Biol Chem 1981 Jul 25;256(14):7487–94

Identification of the mannosyl donors involved in the synthesis of lipid-linked oligosaccharides. Rearick JI, et al. J Biol Chem 1981 Apr 25;256(8):3762–9

Effect of glucosylation of lipid intermediates on oligosaccharide transfer in solubilized microsomes from Saccharomyces cerevisiae. Trimble RB, et al. J Biol Chem 1980 Dec 25;255(24):11892–5

Identification of a rat liver alpha-N-acetylglucosaminyl phosphodiesterase capable of removing 'blocking' alpha-N-acetylglucosamine residues from phosphorylated high mannose oligosaccharides of lysosomal enzymes. Varki A, et al. J Biol Chem 1980 Sep 25;255(18):8398–401

POLYISOPRENYL PHOSPHATES

ANALYSIS

Presence in a plant of a compound similar to the dolichyl diphosphate oligosaccharide of animal tissue. Staneloni RJ, et al. Biochem J 1980 Oct 1;191(1):257–60

BIOSYNTHESIS

Increased hepatic dolichol and dolichyl phosphate-mediated glycosylation in rats fed cholesterol. Tavares IA, et al. Arch Biochem Biophys 1981 Apr 1;207(2):427–36

Stereochemical aspects of chain lengthening and cyclization processes in terpenoid biosyntheses. Cori O, et al. Mol Biol Biochem Biophys 1980;32:97–110

[Formation of dolichol phosphate-oligosaccharide intermediate (author's transl)] Onodera K, et al. Seikagaku 1980 Nov;52(11):1201–7 (23 ref.) (Jpn)

METABOLISM

Recent studies on the involvement of retinyl phosphate as a carrier of mannose in biological membranes. Shidoji Y, et al. Ann NY Acad Sci 1981 Feb 27;359:345–57

Enzymatic dephosphorylation of endogenous and exogenous dolichyl monophosphate by calf brain membranes. Burton WA, et al. Arch Biochem Biophys 1981 May;208(2):409–17

Biosynthesis of monoterpenes: preliminary characterization of i-endo-fenchol synthetase from fennel (Foeniculum vulgare) and evidence that no free intermediate is involved in the cyclization of geranyl pyrophosphate to the rearranged product. Croteau R, et al.

Arch Biochem Biophys 1980 Apr 1;200(2):534–46
Biosynthesis of monoterpenes: conversion of the acyclic precursors geranyl pyrophosphate and neryl pyrophosphate to the rearranged monoterpenes fenchol and fenchone by a soluble enzyme preparation from fennel (Foeniculum vulgare). Croteau R, et al. **Arch Biochem Biophys** 1980 Apr 1;200(2):524–33
Conversion of [1–3H2,G–14C]geranyl pyrophosphate to cyclic monoterpenes without loss of tritium. Croteau R, et al. **Arch Biochem Biophys** 1981 Apr 1;207(2):460–4
The formation of cyclic sesquiterpenes from farnesyl pyrophosphate by prenyltransferase. Saito A, et al. **Arch Biochem Biophys** 1981 May;208(2):508–11
Enzymatic dephosphorylation of dolichyl pyrophosphate—the bacitracin-sensitive, rate-limiting step for dolichyl mannosyl phosphate synthesis in rat liver microsomes. Kato S, et al. **Biochem Biophys Res Commun** 1980 Jul 31;95(2):770–6
Amphomycin: effect of the lipopeptide antibiotic on the glycosylation and extraction of dolichyl monophosphate in calf brain membranes. Banerjee DK, et al. **Biochemistry** 1981 Mar 17;20(6):1561–8
Glycolipid formation in Volvox carteri f. nagariensis: effects of tunicamycin and showdomycin. Müller T, et al. **FEBS Lett** 1981 Jun 15;128(2):208–12
Properties of a soluble polyprenyl phosphate. UDP-D-N-acetylglucosamine N-acetylglucosamine-1-phosphate transferase. Villemez CL, et al. **J Biol Chem** 1980 Sep 10;255(17):8174–8
Enzymatic glucosylation of dolichyl monophosphate formed via cytidine triphosphate in calf brain membranes. Scher MG, et al. **J Neurochem** 1980 Oct;35(4):844–9
The dependence of glycosyltransferases in Dictyostelium discoideum on the structure of polyisoprenols. Rössler HH, et al. **Mol Cell Biochem** 1981 Jan 28;34(2):65–72
Dolichyldiphosphoryloligosaccharide—protein oligosaccharyltransferase; solubilization, purification, and properties. Das RC, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):3811–5

POLYLYSINE see under **PEPTIDES**

POLYMENORRHEA see under **MENSTRUATION DISORDERS**

POLYMERS

see related
MACROMOLECULAR SYSTEMS
Polyglactin mesh grafting of the pig aorta. The two-year follow-up in an experimental animal. Audell L, et al. **Acta Chir Scand** 1980;146(2):97–9
Some methodical aspects and applications of freeze-etching in polymer research. Purz HJ, et al. **Acta Histochem [Suppl] (Jena)** 1981;23:89–109
Unpolymerized surface layers on sealants. Ruyter IE. **Acta Odontol Scand** 1981;39(1):27–32
Controlled clinical trial of three suture materials for abdominal wall closure after bowl operations. Corman ML, et al. **Am J Surg** 1981 Apr;141(4):510–13
Porous fabric arterial prostheses. Sauvage LR. **AORN J** 1981 Apr;33(5):854–61
Entropy-driven polymerization of protein from the E66 strain of tobacco mosaic virus. Shalaby RA, et al. **Arch Biochem Biophys** 1980 Oct 15;204(2):494–502
Entropy-driven polymerization of the protein from the flavum strain of tobacco mosaic virus. Shalaby RA, et al. **Arch Biochem Biophys** 1980 Oct 15;204(2):503–10
Preparative high speed gel permeation chromatography of proteins on Toyopearl HW55F. Germershausen J, et al. **Biochem Biophys Res Commun** 1981 Apr 15;99(3):1020–7
Determination of cell/medium interfacial tensions from contact angles in aqueous polymer systems. Schürch S, et al. **Biochim Biophys Acta** 1981 Jan 22;640(2):557–71
Healing of femoral osteotomies with plastic plate fixation. Brown SA, et al. **Biomater Med Devices Artif Organs** 1981; 9(1):27–35
Problems and artefacts in the evaluation of polymeric materials for medical uses. Bruck SD. **Biomaterials** 1980 Apr;1(2):103–7
Elastomers for maxillofacial applications. Craig RG, et al. **Biomaterials** 1980 Apr;1(2):112–7
Ethylene oxide sterilization: effect of polymer structure and sterilization conditions on residue levels. Gilding DK, et al. **Biomaterials** 1980 Jul;1(3):145–8
Polycaproamide degradation in rabbits and in several model media. Gumargalieva KZ, et al. **Biomaterials** 1980 Oct; 1(4):214–6
Mechanical properties of some fibre reinforced polymer composites after implantation as fracture fixation plates. McKenna GB, et al. **Biomaterials** 1980 Oct;1(4):189–92
Solution characterization of starch nicotinates with different degrees of esterification. Rusconi L, et al. **Biomaterials** 1981 Jan;2(1):49–52
Possible contributions of surface energy and interfacial parameters of synthetic polymers to blood compatibility. Sharma CP. **Biomaterials** 1981 Jan;2(1):57–9
Fatigue test machine for denture base polymers. Stafford GD, et al. **Biomaterials** 1980 Jan;1(1):9–12
Effect of multimeric structure of the factor VIII/von Willebrand factor protein on binding to platelets. Gralnick HR, et al. **Blood** 1981 Aug;58(2):387–97
Quantitative measurement of C3 activation at polymer surfaces. Herzlinger GA, et al. **Blood** 1981 Apr; 57(4):764–70
The complex multimeric composition of factor VIII/von Willebrand factor. Ruggeri ZM, et al. **Blood** 1981 Jun; 57(6):1140–3
A simple method for studying chemotaxis using sustained release of attractants from inert polymers. Langer R, et al. **Can J Microbiol** 1980 Feb;26(2):274–8
Intravenous bovine testicular hyaluronidase depolymerizes myocardial hyaluronic acid in dogs with coronary artery occlusion. Wolf RA, et al. **Circ Res** 1981 Jan;48(1):88–95
Composite polyacrolein-coated cellulose magnetisable particles: an 'autoreactive' magnetisable solid-phase with superior buoyancy properties. Pourfarzaneh M, et al. **Clin Chim Acta** 1981 Mar 19;111(1):61–3
Requirements for food packaged in polymeric films. Rizvi SS. **CRC Crit Rev Food Sci Nutr** 1981;14(2):111–34 (92 ref.)
Polymeric conformal coatings for implantable electronic devices. Devanathan D, et al. **IEEE Trans Biomed Eng** 1980 Nov;27(11):671–4
Effect of specific binding of human albumin, fibrinogen, and immunoglobulin G on surface characteristics of bacterial strains as revealed by partition experiments in polymer phase systems. Miörner H, et al. **Infect Immun** 1980 Sep; 29(3):879–85
In-vitro blood compatibility studies on a new polymer-coated charcoal for haemoperfusion. Hughes RD, et al. **Int J Artif Organs** 1980 Sep;3(5):277–9
A new combined enzyme-charcoal system adsorption on charcoal followed by polymer coating. Pişkin K, et al. **Int J Artif Organs** 1980 Nov;3(6):344–6
Polymerized tree pollen antigens. Patterson R, et al. **J Allergy Clin Immunol** 1981 Feb;67(2):162–5
The adjuvant activity of nonionic block polymer surfactants. I. The role of hydrophile-lipophile balance. Hunter R, et al. **J Immunol** 1981 Sep;127(3):1244–50
The effect of polymer molecular weight on the incidence of film cracking and splitting on film coated tablets. Rowe RC, et al. **J Pharm Pharmacol** 1980 Aug;32(8):583–4
Blood compatibility of polymers: in vitro and in vivo tests. Lemm W, et al. **Med Biol Eng Comput** 1980 Jul;18(4):521–6
Comparative evaluation of coated and uncoated polyglactin 910 in cataract and muscle surgery. Blaydes JE, et al. **Ophthalmic Surg** 1980 Nov;11(11):790–3
Computer experiment for selection of optical isomer during prebiotic polymerization. Yamagata Y, et al. **Orig Life** 1980 Dec;10(4):349–55
Preoperative Orthoplast splinting in cross-leg flaps. Schwartz BM, et al. **Plast Reconstr Surg** 1980 Sep;66(3):459–62
Magnetic modulation of release of macromolecules from polymers. Hsieh DS, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1863–7
Repair of cardiac defects with absorbable material. Bowald S, et al. **Scand J Thorac Cardiovasc Surg** 1981;15(1):91–4
Hemocompatibility: effect of structured water. Garcia C, et al. **Trans Am Soc Artif Intern Organs** 1980;26:294–8
Antithrombogenicity of UK-immobilized polymer surfaces. Sugitachi A, et al. **Trans Am Soc Artif Intern Organs** 1980; 26:274–8
Integrally textured polymeric surfaces for permanently implantable cardiac assist devices. Szycher M, et al. **Trans Am Soc Artif Intern Organs** 1980;26:493–7
[Reflection on the use of the polyglactine 910 self resorbing mesh in the treatment of hernias and ventral ruptures (author's transl)] Levasseur JC, et al. **J Chir (Paris)** 1980 Oct;117(10):563–4 (Eng. Abstr.) **(Fre)**
[A comparative study of 'slowly resorbed suture material' in the rat with tracheal sutures (author's transl)] Sezeur A, et al. **J Chir (Paris)** 1980 Apr;117(4):265–71 (12 ref.) (Eng. Abstr.) **(Fre)**
[Vicryl in cataract surgery: a step toward the ideal suture] Deller M. **Klin Monatsbl Augenheilkd** 1980 Apr; 176(4):686–9 (Eng. Abstr.) **(Fre)**
[In vivo studies on the tensile strength loss of absorbable synthetic threads] Thiede A, et al. **Chirurg** 1980 Dec; 51(12):768–73 (Eng. Abstr.) **(Ger)**
[A method for testing the resistance of film-forming polymers against gastric juices (author's transl)] Voigt R, et al. **Pharmazie** 1981 May;36(5):358–62 (Eng. Abstr.) **(Ger)**
[Suture of the diaphragm by polyglactin 910 (Vicryl): histological study in the rat] Formicola V, et al. **Boll Soc Ital Biol Sper** 1980 Dec 30;56(24):2619–25 (Eng. Abstr.) **(Ita)**
[Fusion of heteropolymeric chains in a case in which the energy of cooperativity depends on the type of boundaries between the helical and coiled segments] Shakhnovich EI. **Biofizika** 1980 Jul–Aug;25(4):594–9 (Eng. Abstr.) **(Rus)**
[Medical goods made of polymeric materials] Gamzazadze NM, et al. **Med Tekh** 1981 Mar–Apr;000(2):16–20 **(Rus)**
[Patterns of the internal irradiation of mammals by tritium as a polymer component] Balonov MI, et al. **Radiobiologiia** 1980 Jul–Aug;20(4):573–9 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE
Enhanced antitumor response to combined treatment with maleic vinyl ether. Chirigos MA. **Exp Pathol** 1981; 19(1):19–23

ADVERSE EFFECTS
Complications of fiber implantation for baldness. Hanke CW, et al. **Am Fam Physician** 1981 Jul;23(1):115–8
Reactions to Haemaccel [letter] Fisher MM. **Anaesthesia** 1981 Feb;36(2):222–3
Anaphylactoid reaction to infusion of polygelatin (Haemaccel). A study in pregnant women. Lund N. **Anaesthesia** 1980 Jul 7;35(7):655–9
Haemaccel [letter] Mackenzie DC. **Med J Aust** 1981 Jan 24; 1(2):94
Chronic protracted diarrhea: intolerance to dietary glucose polymers. Fisher SE, et al. **Pediatrics** 1981 Feb;67(2):271–3
The important role of graft organization at the vascular prosthetic anastomosis. Sasaki H. **Tohoku J Exp Med** 1980 Dec;132(4):405–11
[Hygienic prediction of indoor air pollution by harmful substances released from polymeric materials] Zarubin GP, et al. **Gig Sanit** 1981 Apr;(4):51–4 (79 ref.) **(Rus)**
[Synthetic polymer dust as an allergenic, harmful occupational factor] Marynova AP, et al. **Gig Tr Prof Zabol** 1981 Feb;(2):20–3 (Eng. Abstr.) **(Rus)**

ANALYSIS
Mass fragmentographic determination of polymethylnaphthalene and polymethylphenanthrene in a crude oil and in marine organisms. Adachi K. **Bull Environ Contam Toxicol** 1980 Sep;25(3):416–23
Preharvest changes in polyphenols, peroxidase, and polyphenol oxidase in sorghum grain. Glennie CW. **J Agric Food Chem** 1981 Jan–Feb;29(1):33–6
[The arrangement of wall-polymers in staphylococcal cell wall (author's trans)] Umeda A. **Fukuoka Igaku Zasshi** 1980 Jun;71(6):334–51 (Eng. Abstr.) **(Jpn)**
[Methods of measurement of electrostatic properties of polymer foils] Lowkis B. **Polim Med** 1980;10(1):31–9 (Eng. Abstr.) **(Pol)**
[Chromatographic method of determining hexamethylenediamine in the sanitary chemical study of polymers] Dukhovnaia IS. **Gig Sanit** 1980 Aug;(8):49–50 **(Rus)**

BIOSYNTHESIS
[Lipids of the luminescent bacteria Photobacterium mandapamensis] Kalacheva GS, et al. **Mikrobiologiia** 1981 Jan–Feb;50(1):79–83 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS
Use of synthetic polypeptides in the preparation of biodegradable delivery systems for narcotic antagonists. Sidman KR, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1981;28:214–31
Biological testing of monomers used for polymer synthesis. Benešová O, et al. **Pol J Pharmacol Pharm** 1980 Jan–Feb; 32(1):115–8
[Preparation and application of neoglycoproteins and similar synthetic polymers (author's transl)] Kawaguchi K, et al. **Tanpakushitsu Kakusan Koso** 1980;25(8):707–24 (99 ref.) **(Jpn)**

METABOLISM
Inhibition of microtubule polymerization by the tubulin-colchicine complex: inhibition of spontaneous assembly. Keates RA, et al. **Can J Biochem** 1981 May; 59(5):361–70
Rumen metabolism and absorption of a 14C-labelled elastomeric copolymer and its value as a roughage substitute for cattle. Bartley EE, et al. **J Anim Sci** 1981 May;52(5):1150–63
Role of membranes of mycelial Mucor rouxii in synthesis and secretion of cell wall matrix polymers. Dow JM, et al. **J Bacteriol** 1981 Jan;145(1):272–9
Fibrin Polymerization. 1. Alkylating peptide inhibitors of fibrin polymerization. Hsieh KH, et al. **J Med Chem** 1981 Mar;24(3):322–7
Systemic distribution of N2 paste containing 14C paraformaldehyde following root canal therapy in dogs. Block RM, et al. **Oral Surg** 1980 Oct;50(4):350–60
[Intestinal permeability to a fructose polymer in infants suffering from benign diarrhea (author's transl)] Beyer P, et al. **Ann Pediatr (Paris)** 1980 Sep;27(7):433–8 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS
Endothelial surface charge: blood–brain barrier opening to horseradish peroxidase induced by the polycation protamin sulfate. Nagy Z, et al. **Acta Neuropathol [Suppl] (Berl)** 1981; 7:7–9
Histamine release by sugar polymers in the rat. West GB. **Agents Actions** 1981 Apr;11(1–2):75–6
Mechanism of action of polymeric aurintricarboxylic acid, a potent inhibitor of protein—nucleic acid interactions. González RG, et al. **Biochemistry** 1980 Sep 2; 19(18):4299–303
Calcium and a fucose-sulfate-rich polymer regulate sperm cyclic nucleotide metabolism and the acrosome reaction. Kopf GS, et al. **Biol Reprod** 1980 Jun;22(5):118–26
Pyran copolymer: effect of molecular weight on stem cell mobilization in mice. Zander AR, et al. **Biomedicine** 1980 May;33(3):69–72

Pinocytic uptake of divinyl ether–maleic anhydride (pyran copolymer) and its failure to stimulate pinocytosis. Pratten MK, et al. **Chem Biol Interact** 1981 Jun;35(3):319–30

Effect of pyran copolymer on murine hemopoiesis. Zander AR, et al. **Exp Hematol** 1980 May;8(5):521–6

Examination of naturally occurring polyacetylenes and alpha–terthienyl for their ability to induce cytogenetic damage. MacRae WD, et al. **Experientia** 1980 Sep 15; 36(9):1096–7

Effect of inert polymers on protein self–association. Nichol LW, et al. **FEBS Lett** 1981 Apr 6;126(1):18–20

Suppression of activity of mouse natural killer (NK) cells by activated macrophages from mice treated with pyran copolymer. Santoni A, et al. **Int J Cancer** 1980 Dec 15; 26(6):837–43

Enhanced macrophage and natural killer cell antitumor activity by various molecular weight maleic anhydride divinyl ethers. Bartocci A, et al. **J Immunopharmacol** 1980; 2(1):149–58

Effect of polylactic acid on replanted teeth in dogs. Hardy LB, et al. **Oral Surg** 1981 Jan;51(1):86–92

Selective immune stimulation during induction of allograft tolerance in the rat by radical immunosuppression. Rotstein LE, et al. **Transplantation** 1980 Dec;30(6):417–20

[Processing of the Keracryl–7 tooth] Seefeldt EJ. **Stomatol DDR** 1980 Nov;30(11):872–3 **(Ger)**

[Polyclonal activation of B–lymphocytes by synthetic polyelectrolytes] Petrov RV, et al. **Biull Eksp Biol Med** 1981 Apr;91(4):461–3 (Eng. Abstr.) **(Rus)**

[Experimental effect of a lupinine–based homopolymer on blood coagulation in animals] Usmanova DM. **Farmakol Toksikol** 1980 May–Jun;43(3):327–30 (Eng. Abstr.) **(Rus)**

[Effect of synthetic adjuvants on the biological activity of spleen proteins] Kartasheva AL, et al. **Radiobiologiia** 1981 Mar–Apr;21(2):217–22 (Eng. Abstr.) **(Rus)**

[Anesthetizing action of local anesthetics after their chemical grafting to polyvinyl alcohol–based fibrous polymers] Khatskevich GA, et al. **Stomatologiia (Mosk)** 1981 May–Jun;60(3):12–4 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Penetration of americium deeply into polymeric materials used for protective coatings and individual protection devices] Rubtsov VI, et al. **Gig Sanit** 1980 Dec;(12):71–3 **(Rus)**

STANDARDS

Further studies on the safety of polymerized antigens for immunotherapy. Hendrix SG, et al. **J Allergy Clin Immunol** 1981 Feb;67(2):124–8

[The use of polymers in medicine] Samsom RJ. **Ned Tijdschr Geneeskd** 1980 Sep 6;124(36):1510–1 **(Dut)**

THERAPEUTIC USE

The bile acid binding and hypocholesterolemic action of two water–soluble polymers. Kuron GW, et al. **Atherosclerosis** 1980 Nov;37(3):353–60

Polygeline compared with plasma protein fraction as the sole replacement fluid in plasma exchange. Stellon AJ, et al. **Br Med J [Clin Res]** 1981 Feb 28;282(6265):696–7

Therapy of artificial and spontaneous metastases of murine tumors with maleic anhydride–divinyl ether–2. Milas L, et al. **Cancer Res** 1981 Jun;41(6):2378–85

Mechanism of increased antitumor immunity by a synthetic polymer. Falk RE, et al. **J Surg Res** 1980 Jun;28(6):485–91

A new group of synthetic polymers with antitumor activity. Bierling R, et al. **Naturwissenschaften** 1980 Jul;67(7):366–7

[Deep venous thrombosis treated with Haemaccel. A study with 125I–labelled fibrinogen] Fuglsang E, et al. **Ugeskr Laeger** 1980 Jun 30;142(27):1756–8 (Eng. Abstr.) **(Dan)**

[Thromboresistant properties of polyelectrolyte complexes based on weak polyelectrolytes] Chepurov AK, et al. **Polim Med** 1980;10(4):243–56 (Eng. Abstr.) **(Rus)**

TOXICITY

Polypropylene glycols. **Am Ind Hyg Assoc J** 1980 Oct; 41(10):A53–5

Toxicologic classification of thermal decomposition products of synthetic and natural polymers. Alarie Y, et al. **Toxicol Appl Pharmacol** 1981 Feb;57(2):181–8

[Characteristics of the methodological approaches to the hygienic study of polymeric materials used in clinical medicine] Aksiuk AF, et al. **Gig Sanit** 1981 Apr;(4):42–4 **(Rus)**

[Pressing industrial hygiene and toxicology problems in the manufacture of artificial leathers and film materials] Bol'shakov AM. **Gig Sanit** 1980 Oct;(10):25–8 (Eng. Abstr.) **(Rus)**

[Hygienic evaluation of new polyolefin class polymer materials for the food industry] Braun DD, et al. **Gig Sanit** 1980 Jun;(6):29–31 (Eng. Abstr.) **(Rus)**

[Toxicity of polyphenylene oxide and of polyphenylene oxide–based materials] Larionov AG, et al. **Gig Sanit** 1980 Oct;(10):81–2 **(Rus)**

[Hygienic evaluation of polymeric materials used for the manufacture of children's toys] Pestova AG. **Gig Sanit** 1981 Mar;(3):82–3 **(Rus)**

[Method for the hygienic evaluation of the toxicity of polymeric material combustion products] Shafran LM, et al. **Gig Sanit** 1980 Aug;(8):44–7 **(Rus)**

POLYMETHACRYLIC ACIDS

The surface finish of a visible light–cured composite. Wilson NH, et al. **J Dent** 1981 Mar;9(1):16–27

On the anomalous sorption behaviour of chlorhexidine with poly(2–hydroxyethyl methacrylate). Plaut BS, et al. **J Pharm Pharmacol** 1980 Aug;32(8):525–32

The mechanism of interaction between chlorhexidine digluconate and poly(2–hydroxyethyl methacrylate). Plaut BS, et al. **J Pharm Pharmacol** 1981 Feb;33(2):82–8

New embedding method employing n–butyl and n–hexyl methacrylates for light microscopy. Kushida T, et al. **Okajimas Folia Anat Jpn** 1980 May;57(1):45–54

Histochemical localization of alkaline phosphatase activity using GMA–Quetol 523 embedding by photopolymerization. Nagato Y, et al. **Okajimas Folia Anat Jpn** 1980 May;57(1):29–44

Neutralization of acid in glycol methacrylate and the use of cyclohexanol as a plasticizer. Frater R. **Stain Technol** 1981 Mar;56(2):99–101

An embedding method for histochemical studies of undecalcified skeletal growth plate. Horton WA, et al. **Stain Technol** 1980 Jan;55(1):19–29

A hematoxylin and eosin–like stain for glycol methacrylate embedded tissue sections. Troyer H, et al. **Stain Technol** 1981 Jan;56(1):39–43

Delivery of the topical antimicrobial agents silver sulfadiazine, gentamicin and nystatin to infected burn wounds in rats from preloaded synthetic dressings. Robb EC, et al. **Trans Am Soc Artif Intern Organs** 1980;26:533–6

[The interaction of methemoglobin and modified poly–(hydroxyethylmethacrylates) studied by spectroscopic methods] Pommerening K, et al. **Acta Biol Med Ger** 1980;39(1):83–92 (Eng. Abstr.) **(Ger)**

[Rational simplified plastic embedding with polymethacrylate for non–decalcified bone sections] Wolf E, et al. **Z Gesamte Inn Med** 1980 Jul 1;35(13):561–4 (Eng. Abstr.) **(Ger)**

ADMINISTRATION & DOSAGE

Localized chemotherapy of Gardner's lymphosarcoma of C3H mice using combinations of carrier–sorbed antifolics and detoxicating tetrahydrofolates. Motyčka K, et al. **Czech Med** 1981;4(1–2):14–24

Clinical evaluation of the Hydron burn dressing. Warren RJ, et al. **Plast Reconstr Surg** 1980 Sep;66(3):361–8

ANALYSIS

The depot administration of penicillin G and gentamicin in acrylic bone cement. Hoff SF, et al. **J Bone Joint Surg [Am]** 1981 Jun;63A(5):798–804

PHARMACODYNAMICS

Leukocyte mobilization in mice by polyanions. Decline of leukocyte mobilizing capacity after transplantation of lymphoma. Benner R, et al. **Cell Tissue Kinet** 1981 May; 14(3):251–60

Immunosuppressive effects of a synthetic polymer poly N–(2–hydroxypropyl)methacrylamide (Duxon). Paluska E, et al. **Folia Biol (Praha)** 1980;26(5):304–11

The effect of Hydron burn wound dressing on burned rat and rabbit ear wound healing. Dressler DP, et al. **J Trauma** 1980 Dec;20(12):1024–8

[New types of synthetic infusion solutions. The effect of Duxon on cell proliferation in vitro] Cinátl J, et al. **Cesk Farm** 1980 Jun;29(5):134–8 (Eng. Abstr.) **(Cze)**

THERAPEUTIC USE

Laminates of poly(2–hydroxyethyl methacrylate) and polybutadiene as potential burn covering. Migliaresi C, et al. **Biomaterials** 1980 Oct;1(4):205–8

A poly(HEMA) sponge for restoration of articular cartilage defects. Kon M, et al. **Plast Reconstr Surg** 1981 Mar; 67(3):288–94

TOXICITY

[Duxon—a new Czechoslovak—made infusion solution—an experimental contribution to biological evaluation] Stěrba O, et al. **Cas Lek Cesk** 1980 Sep 12;119(36–37):994–7 (Eng. Abstr.) **(Cze)**

POLYMETHYLMETHACRYLATE see **METHYLMETHACRYLATE**

POLYMORPHISM (GENETICS)

Purification and some properties of the main polymorphic form of acid phosphatase from Poa pratensis seeds. Lorenc–Kubis I, et al. **Acta Biochim Pol** 1980; 27(3–4):345–52

Electrophoretic polymorphism and activity of serum alkaline phosphatase in the ontogenetic development of piglets. Kierek–Jaszczuk D, et al. **Acta Physiol Pol** 1980 Jul–Aug; 31(4):375–81

Genetic polymorphism in three species of tsetse flies (Diptera: Glossinidae) in Upper Volta. Gooding RH. **Acta Trop (Basel)** 1981 Jun;38(2):149–61

Syrian hamsters express polymorphism at an MHC equivalent. Duncan WR, et al. **Adv Exp Med Biol** 1981; 134:23–31

The Pi polymorphism: genetic, biochemical, and clinical aspects of human alpha 1–antitrypsin. Fagerhol MK, et al. **Adv Hum Genet** 1981;11:1–62, 371–2 (301 ref.)

Numerical analysis of enzyme polymorphism: a new approach to the epidemiology and taxonomy of trypanosomes of the subgenus Trypanozoon. Gibson WC, et al. **Adv Parasitol** 1980;18:175–246 (122 ref.)

Genetic polymorphism of human erythrocyte glyoxalase II. Board PG. **Am J Hum Genet** 1980 Sep;32(5):690–4

Is there a role of erythrocyte acid phosphatase polymorphism in intrauterine development? Bottini E, et al. **Am J Hum Genet** 1980 Sep;32(5):764–7

Haptoglobin polymorphism among Saharian and West African groups. Haptoglobin phenotype determination by radioimmunoelectrophoresis on Hp O samples. Constans J, et al. **Am J Hum Genet** 1981 Jul;33(4):606–16

Detection of genetic variation with radioactive ligands. IV. X–linked, polymorphic genetic variation of thyroxin–binding globulin (TBG). Daiger SP, et al. **Am J Hum Genet** 1981 Jul;33(4):640–8

Genetic polymorphism of human plasminogen. Raum D, et al. **Am J Hum Genet** 1980 Sep;32(5):681–9

Characterization of ACP1TIC–1, an electrophoretic variant of erythrocyte acid phosphatase restricted to the Ticuna Indians of central Amazonas. Yoshihara CM, et al. **Am J Hum Genet** 1980 Nov;32(6):898–907

Polymorphic variants in human chromosome 15. Chen TR, et al. **Am J Med Genet** 1981;9(1):61–6

Evidence of genetic variation for alpha–N–acetyl–D–glucosaminidase in black and white populations: a new polymorphism. Vance JM, et al. **Am J Med Genet** 1980;7(2):131–40

Human chromosome heteromorphisms in Americans Blacks: II. Higher incidence of pericentric inversions of secondary constriction regions (h). Verma RS, et al. **Am J Med Genet** 1981;8(1):17–25

Polymorphisms of red–green vision in some populations of Southern Africa. Adam A. **Am J Phys Anthropol** 1980 Sep; 53(3):339–46

Genetic polymorphisms in isolated Sherpa populations of Nepal. Bangham CR, et al. **Am J Phys Anthropol** 1980 Sep;53(3):369–73

The St. Lawrence Island Eskimos: genetic variation and genetic distance. Ferrell RE, et al. **Am J Phys Anthropol** 1981 Jul;55(3):351–8

Gm and Inv (Km) studies of Melanesian people on the Huon Peninsula in Northeast Papua New Guinea: polymorphism for a Gm1,5,10,11,13,14,17,21,26 Haplotype. Steinberg AG, et al. **Am J Phys Anthropol** 1981 May;55(1):89–94

Abstracts of papers read at the 17th International Conference of Animal Blood Groups and Biochemical Polymorphisms, Wageningen, Netherlands, 29 July – 1 August 1980. **Anim Blood Groups Biochem Genet** 1980;11(1):1–92

Chemical classification of cattle. 1. Breed groups. Baker CM, et al. **Anim Blood Groups Biochem Genet** 1980;11(3):127–50

A previously described serum protein polymorphism in the rat identified as Gc ('vitamin D–binding protein'). Bender K, et al. **Anim Blood Groups Biochem Genet** 1981;12(1):31–6

Equine marker genes: Polymorphism for soluble erythrocyte malic enzyme. Guttormsen SA, et al. **Anim Blood Groups Biochem Genet** 1981;12(1):53–7

Water buffalo (Bubalus bubalus arnee) allotypes: identification of two specificities controlled by independent genes. Iannelli D, et al. **Anim Blood Groups Biochem Genet** 1981;12(1):23–30

Two–dimensional gel electrophoresis of sheep plasma proteins: genetic polymorphism of an alphal–protease inhibitor and a post–transferrin. Juneja RK, et al. **Anim Blood Groups Biochem Genet** 1980;11(2):81–92

Polymorphic serum prealbumin (Pa) of pig, identified as and alpha1–protease inhibitor. Juneja RK, et al. **Anim Blood Groups Biochem Genet** 1981;12(1):47–51

Equine marker genes. Polymorphism for transferrin alleles, TfF1 and TfF2, in Thoroughbreds. McGuire TR, et al. **Anim Blood Groups Biochem Genet** 1980;11(2):113–7

Chemical classification of cattle. 2. Phylogenetic tree and specific status of the Zebu. Manwell C, et al. **Anim Blood Groups Biochem Genet** 1980;11(3):151–62

Comparative aspects of biochemical polymorphism in the blood of Caprinae species and their hybrids. Tucker EM, et al. **Anim Blood Groups Biochem Genet** 1980;11(3):163–83

The AcP polymorphism frequencies in the Mbugu and Sango of Central Africa. (Correlations between the Pr allele frequencies and some climatic factors in Africa). Spedini G, et al. **Ann Hum Biol** 1980 Mar–Apr;7(2):125–8

Blood polymorphism frequencies in the Tofinu, the 'Water Men' of Southern Benin. Spedini G, et al. **Anthropol Anz** 1980 Jun;38(2):121–30

Investigations on the distribution of genetic polymorphisms in Greece. 1. Blood group polymorphisms. Tsiakalos G, et al. **Anthropol Anz** 1980 Nov;38(4):237–50

Genotypic differences in mating success and the maintenance of the alcohol dehydrogenase polymorphism in Drosophila melanogaster: No evidence for overdominance or rare genotype mating advantage. Pot W, et al. **Behav Genet** 1980 Jan;10(1):43–58

Polymorphism of Ps (parotid size variant) and detection of a protein (PmS) related to the Pm (parotid middle band) system with genetic linkage of Ps and Pm to Gl, Db, and

Pr genetic determinants. Azen EA, et al. **Biochem Genet** 1980 Jun;18(5-6):483-501

Genetics of male-specific glucose oxidase and the identification of other unusual hexose enzymes in Drosophila melanogaster. Cavener DR. **Biochem Genet** 1980 Oct;18(9-10):929-37

Alcohol dehydrogenase polymorphism in the seaweed fly, Coelopa frigida. Day TH, et al. **Biochem Genet** 1980 Aug; 18(7-8):727-42

Enzyme polymorphism in a population of Calomys musculinus (Rodentia, Cricetidae). Gardenal CN, et al. **Biochem Genet** 1980 Jun;18(5-6):563-75

New polymorphisms of esterase 7 and esterase 8 in inbred strains of rats: tissue expression and linkage studies. Matsumoto K. **Biochem Genet** 1980 Oct;18(9-10):879-87

Enzyme specificity: 'pseudopolymorphism' of lactate dehydrogenase in Drosophila melanogaster. Onoufriou A, et al. **Biochem Genet** 1981 Apr;19(3-4):277-99

Maintenance mechanism of polymorphism at the alpha-Gpdh locus in Drosophila melanogaster. Palabost-Charles L. **Biochem Genet** 1980 Oct;18(9-10):905-13

Studies of primate protein variation and evolution: microelectrophoretic detection. Palmour RM, et al. **Biochem Genet** 1980 Aug;18(7-8):793-808

Molecular polymorphism of ciliary proteins from different species of the ciliate Tetrahymena. Seyfert HM, et al. **Biochem Genet** 1981 Apr;19(3-4):385-96

Does the 'hidden heat-sensitive polymorphism' in electrophoresis of crude extracts involve loci other than the structural locus examined? Experiments with D. subobscura. Tsakas SC, et al. **Biochem Genet** 1980 Dec; 18(11-12):1159-74

Individual variation of nucleoside triphosphate pyrophosphohydrolase activity in human erythrocytes, granulocytes, lymphocytes, and platelets. Verhoef VL, et al. **Biochem Genet** 1980 Apr;18(3-4):235-45

Genetics of glucosephosphate isomerase in Aedes togoi (Diptera: Culicidae). Yong HS, et al. **Biochem Genet** 1980 Oct;18(9-10):939-45

Polymorphism of brain tubulin. George HJ, et al. **Biochemistry** 1981 Apr 28;20(9):2402-9

The sickle gene polymorphism in North Africa. Mears JG, et al. **Blood** 1981 Sep;58(3):599-601

A polymorphism of the ability to smell urinary metabolites of asparagus. Lison M, et al. **Br Med J** 1980 Dec 20-27; 281(6256):1676-8

Ovomucoid intervening sequences specify functional domains and generate protein polymorphism. Stein JP, et al. **Cell** 1980 Oct;21(3):681-7

Toxicological implications of polymorphic drug metabolism. Ritchie JC, et al. **Ciba Found Symp** 1980;(76):219-44

The use of polymorphic enzyme markers of human blood cells in genetics. Povey S, et al. **Clin Haematol** 1981 Feb; 10(1):161-84 (119 ref.)

Uses of polymorphic red cell enzymes in forensic science. Sensabaugh GF. **Clin Haematol** 1981 Feb;10(1):185-207 (59 ref.)

A cloned repeated DNA sequence in human chromosome heteromorphisms. Gosden JR, et al. **Cytogenet Cell Genet** 1981;29(1):32-9

The primary structure of the constant part of mu-chain-disease protein BOT. Mihaesco E, et al. **Eur J Biochem** 1980 Oct;111(1):275-86

Esterase polymorphism in a population of Zaprionus paravittiger. Parkash R. **Experientia** 1980 Oct 15; 36(10):1164-5

An electrophoretic polymorphism that mimics a true genetic polymorphism in Triturus cristatus carnifex (Amiphibia, Urodela). Scozzari R, et al. **Experientia** 1980 Jun 15; 36(6):645-6

Chromosome polymorphism in a population of Sorex araneus L. at Białowieża. Fedyk S. **Folia Biol (Krakow)** 1980; 28(2):83-120

Description of chromosomes in a population of Sorex araneus L. living in the Biebrza Valley. Fedyk S, et al. **Folia Biol (Krakow)** 1980;28(3):237-44

Polymorphism of the esterase D enzyme among the population of South Bulgaria. Peev H. **Folia Med (Plovdiv)** 1980;22(1):24-7

Adaptive value of PGM polymorphism in laboratory populations of Drosophila melanogaster. Carfagna M, et al. **Genet Res** 1980 Dec;36(3):265-76

The population genetics of the H-2 polymorphism in European and North African populations of the house mouse (Mus musculus L.). Nadeau JH, et al. **Genet Res** 1981 Feb;37(1):17-31

Polymorphism in a varied environment: how robust are the models? Smith JM, et al. **Genet Res** 1980 Feb;35(1):45-57

The influence of sexual and larval selection on the maintenance of polymorphism at the sepia locus in Drosophila melanogaster. Anxolabehere D. **Genetics** 1980 Jul;95(3):743-55

Genetic structure of Pileolaria pseudomilitaris (Polychaeta: Spirorbidae). Beckwitt R, et al. **Genetics** 1980 Nov; 96(3):711-26

Genetic changes in fluctuating vole populations: selective vs. nonselective forces. Gaines MS, et al. **Genetics** 1980 Nov;96(3):767-78

Test for selection on polymorphic isozyme genes using the population cage method. Mukai T, et al. **Genetics** 1980 Oct; 96(2):537-42

DNA polymorphism detectable by restriction endonucleases. Nei M, et al. **Genetics** 1981 Jan;97(1):145-63

Protein polymorphism and the SAS-CFF model [letter] Nei M. **Genetics** 1980 Apr;94(4):1085-7

Linkage disequilibrium in isolated populations of Drosophila melanogaster. Yamaguchi O, et al. **Genetics** 1980 Oct; 96(2):507-22

The ovalocytosis polymorphism on the western border of Papua, New Guinea. Holt M, et al. **Hum Biol** 1981 Feb; 53(1):23-34

A new procedure for the determination of transferrin C (Tf C) subtypes by isoelectric focusing. Existence of two additional alleles, Tf C4 and Tf C5. Constans J, et al. **Hum Genet** 1980;55(1):111-4

Pi M4: an additional Pi M subtype. Constans J, et al. **Hum Genet** 1980;55(1):119-21

Subtypes of the phosphoglucomutase-1 (PGM1) locus detectable in Polish populations by isoelectric focusing on cellogel. Dobosz T, et al. **Hum Genet** 1980;56(1):119-21

Salivary peroxidase, Pm, and Ph protein polymorphisms in Malasians.. Noraini I, et al. **Hum Genet** 1980;56(2):205-7

Genetic heterogeneity of glucose 6-phosphate dehydrogenase deficiency in Sardinia. Testa U, et al. **Hum Genet** 1980;56(1):99-105

On the structure and polymorphism of the human chromosome no. 15. Wachtler F, et al. **Hum Genet** 1980; 56(1):115-8

Gc, Tf, Hp subtype and alpha 1-antitrypsin polymorphisms in a Pygmy Bi-Aka sample. Constans J, et al. **Hum Hered** 1981;31(3):129-37

A survey of serum protein and enzyme polymorphisms in the district of L'Aquila (Italy). Corbo RM, et al. **Hum Hered** 1981;31(3):167-71

Genetically controlled enzymatic variation in a southern, biracial, semi-rural community: the Bogalusa heart study. Fox MH, et al. **Hum Hered** 1981;31(3):138-51

Phosphoglycolate phosphatase in several population groups in Israel. Golan R, et al. **Hum Hered** 1981;31(2):89-92

GLO polymorphism in Iceland. Karlsson S, et al. **Hum Hered** 1980;30(6):383-5

alpha 1-antitrypsin phenotype and gene distribution in Southern Italy. Klasen EC. **Hum Hered** 1981;31(3):180-2

Transferrin C subtypes in US blacks and whites. Kueppers F, et al. **Hum Hered** 1980;30(6):376-82

C3 polymorphism and the antibody titres in pregnancy: use of a non-barbital buffer for C3 typing. Scacchi R, et al. **Hum Hered** 1981;31(3):183-6

Isoelectric focusing of human red cell phosphoglucomutase (PGM1): phenotype distribution in the Swiss population - rare phenotypes. Scherz R, et al. **Hum Hered** 1981; 31(3):187-90

A novel molecule expressing HLA-DR antigenic determinants. Goyert SM, et al. **Hum Immunol** 1980 Sep; 1(2):161-75

Characterization, evolution, and molecular basis of a polymorphic antigenic determinant shared by HLA-A and B products. Parham P, et al. **Hum Immunol** 1980 Sep; 1(2):131-9

Inherited polymorphism of human C4 as revealed by desialyzation. Awdeh ZL, et al. **Immunobiology** 1980; 158(1-2):35-41

Polymorphism of C3 in rabbits. Geserick G, et al. **Immunobiology** 1980;158(1-2):25-9

Genetic polymorphisms of properdin factor B(Bf), the second component (C2), and the fourth component (C4) of complement in leprosy patients and healthy controls from Thailand. Greiner J, et al. **Immunobiology** 1980; 158(1-2):134-8

C6 polymorphism and rare alleles in Western Germany. Kunstmann G, et al. **Immunobiology** 1980;158(1-2):55-9

Genetic polymorphism of rabbit C6. Kunstmann G, et al. **Immunobiology** 1980;158(1-2):30-3

Statement on the nomenclature of human C6 polymorphism. Mauff G, et al. **Immunobiology** 1980;158(1-2):139-43

A new genetic polymorphism of murine C4 (Ss) proteins: demonstration of antigenically distinguishable allotypes of C4 and their linkage to H-2. Natsuume-Sakai S. **Immunobiology** 1980;158(1-2):10-3

Further investigations on the genetics of the C+ protein polymorphism. Teisberg P, et al. **Immunobiology** 1980; 158(1-2):45-9

Monoclonal rat anti-MHC alloantibodies detect HLA-linked polymorphisms in humans. Boyd HC, et al. **Immunogenetics** 1981;12(3-4):313-9

Genetic polymorphism of a serum euglobulin of chickens which binds to antigen-antibody complexes. Ivanyi J, et al. **Immunogenetics** 1980;10(1):83-92

Structure and properties of the major histocompatibility complex of the chicken. Speculations on the advantages and evolution of polymorphism. Longenecker BM, et al. **Immunogenetics** 1981;13(1-2):1-23 (138 ref.)

Genetic polymorphism of murine beta 2-microglobulin detected biochemically. Michaelson J, et al. **Immunogenetics** 1980 Jul;11(1):93-5

Genetic polymorphism of beta 2-microglobulin (B2m) maps to the H-3 region of chromosome 2. Michaelson J. **Immunogenetics** 1981;13(1-2):167-71

Two relative efficiencies of polymorphic enzymes for characterizing cell lines, detecting contaminations, and monitoring transplants. Wright WC. **In Vitro** 1980 Oct; 16(10):875-83

Phylogeny of neurohypophyseal hormones. Vasopressin polymorphism in three kangaroo species. Chauvet MT, et al. **Int J Pept Protein Res** 1981 Jan;17(1):65-71

Sequence of the low activity equine erythrocyte carbonic anhydrase and delineation of the amino acid substitutions in various polymorphic forms. Jabusch JR, et al. **J Biol Chem** 1980 Oct 10;255(19):9196-204

Genetic polymorphism of microsomal epoxide hydrolase activity in the mouse. Lyman SD, et al. **J Biol Chem** 1980 Sep 25;255(18):8650-4

Genetic polymorphisms of blood and milk and reproduction in Holstein cattle. Hargrove GL, et al. **J Dairy Sci** 1980 Jul;63(7):1154-66

Linkage relationships among loci of polymorphisms in blood and milk of cattle. Hines HC, et al. **J Dairy Sci** 1981 Jan; 64(1):71-6

HLA-DR antigens have polymorphic light chains and invariant heavy chains as assessed by lysine-containing tryptic peptide analysis. Kaufman JF, et al. **J Exp Med** 1980 Aug 1;152(2 Pt 2):37s-53s

Protoplasts from yeast and mycelial forms of Candida albicans. Torres-Bauzá LJ, et al. **J Gen Microbiol** 1980 Aug;119(Pt 2):341-9

The genetic basis of a dorsal color polymorphism in Rana pipiens. Fogleman JC, et al. **J Hered** 1980 Nov-Dec; 71(6):439-40

Para-albumin polymorphism: an unlinked two-locus system in rainbow trout. Gall GA, et al. **J Hered** 1981 Jan-Feb; 72(1):22-6

Linkage of total deficiency of the second component (C2) of the complement system and of genetic C2-polymorphism to the major histocompatibility complex of the guinea pig. Bitter-Suermann D, et al. **J Immunol** 1981 Aug;127(2):608-12

A polymorphism of the gamma-chain of mouse C4 controlled by the S region of the major histocompatibility complex. Ferreira A, et al. **J Immunol** 1980 Sep;125(3):1178-82

Monoclonal antibodies to mouse MHC antigens. II. Antibodies to the H-2Ld antigen, the products of a third polymorphic locus of the mouse major histocompatibility complex. Ozato K, et al. **J Immunol** 1980 Dec; 125(6):2473-7

Electrophoretic demonstration of polymorphism of glucosephosphate isomerase in natural populations of paragonimus miyazakii. Agatsuma T. **J Parasitol** 1981 Jun; 67(3):452-4

Sex and polymorphism as strategies in host-pathogen interactions. Bremermann HJ. **J Theor Biol** 1980 Dec 21; 87(4):671-702 (86 ref.)

Polymorphism of serum protein in guinea pigs of inbred strains. Asano T, et al. **Jikken Dobutsu** 1981 Jan;30(1):41-6

Haptoglobin polymorphism in the Middle East. Farhud DD. **Jinrui Idengaku Zasshi** 1980 Sep;25(3):203-6

Genetic polymorphism of the second component of human complement (C2) in Japanese. Tokunaga K, et al. **Jinrui Idengaku Zasshi** 1980 Dec;25(4):287-93

A human quantitative polymorphism related to Xg blood groups. Goodfellow PN, et al. **Nature** 1981 Jan 29; 289(5796):404-5

Sexual dimorphism in the hormonal control of aggressive behavior of rats. DeBold JF, et al. **Pharmacol Biochem Behav** 1981;14 Suppl 1:89-93

Palmar main line polymorphisms in cataracts. Padma T, et al. **Postgrad Med J** 1980 Oct;56(660):690-7

Inherited structural polymorphism of the fourth component of human complement. Awdeh ZL, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3576-80

Polymorphism in mitochondrial DNA of humans as revealed by restriction endonuclease analysis. Brown WM. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3605-9

Mitochondrial DNA polymorphism: evidence that variants detected by restriction enzymes differ in nucleotide sequence rather than in methylation. Castora FJ, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6415-9

Analysis of HLA-DR polymorphism by two-dimensional peptide mapping. Corte G, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):534-8

Albumin Naskapi variant in North American Indians and Eti Turks. Franklin SG, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5480-2

Complete amino acid sequence of murine beta 2-microglobulin: structural evidence for strain-related polymorphism. Gates FT 3d, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):554-8

Selection of viability at loci controlling protein polymorphisms in Drosophila melanogaster is very weak at most. Mukai T, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4857-60

Detection of enzyme polymorphism by using monoclonal antibodies. Slaughter CA, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):1124-8

A highly polymorphic locus in human DNA. Wyman AR, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6754-8

Jumping genes help trace inherited diseases [news] Lewin R. **Science** 1981 Feb 13;211(4483):690-2

Blood group ABH and Ii antigens of human erythrocytes: chemistry, polymorphism, and their developmental change. Hakomori S. **Semin Hematol** 1981 Jan;18(1):39-62 (98 ref.)

Maternal inheritance of mitochondrial DNA polymorphisms in cultured human fibroblasts. Case JT, et al. **Somatic Cell Genet** 1981 Jan;7(1):103-8

Phosphoglucomutase polymorphism in two species of Armigeres mosquitoes. Yong HS, et al. **Southeast Asian J Trop Med Public Health** 1980 Sep;

11(3):424–5

Glucose phosphate isomerase polymorphism in Anopheles balabacensis. Yong HS, et al. **Southeast Asian J Trop Med Public Health** 1980 Sep; 11(3):423–4

Polymorphic equilibria with assortative mating and selection in subdivided populations. Campbell RB. **Theor Popul Biol** 1980 Aug;18(1):94–111

Bf polymorphism and its relationship with HLA antigens in a sample of the Spanish Population: high BfF1 frequencies. Rodriguez-Córdoba S, et al. **Tissue Antigens** 1981 Feb;17(2):231–7

Properdin factor Bf polymorphism and glyoxase I allotypes in Graves' disease. Wenzel KW, et al. **Tissue Antigens** 1981 Feb;17(2):247–8

Blood groups and genetic markers polymorphism and probability of paternity. Salmon D, et al. **Transfusion** 1980 Nov-Dec;20(6):684–94

The impact of transplantation on immunogenetics (or the importance of a single chance observation and of close international cooperation in unraveling the genetics of HLA). van Rood JJ. **Transplant Proc** 1980 Dec; 12(4):566–74

Allogeneic polymorphism and alloimmune memory in the coral, Montipora verrucosa. Hildemann WH, et al. **Transplantation** 1980 Oct;30(4):297–301

Evidence that strong Mls determinants are nonpolymorphic. Molnar-Kimber KL, et al. **Transplantation** 1981 May; 31(5):376–8

A study of the debrisoquine hydroxylation polymorphism in a Nigerian population. Mbanefo C, et al. **Xenobiotica** 1980 Nov;10(11):811–8

PGM1 subtypes determined by agarose gel isoelectrofocusing. Weidinger S, et al. **Z Rechtsmed** 1980; 84(3):221–4

[RV polymorphism of the chromosomes in newborn infants] Krachunova M, et al. **Eksp Med Morfol** 1980;19(3):144–8 (Eng. Abstr.) **(Bul)**

[Biochemical polymorphism in man. Its relation to disease] Lambotte C. **Rev Med Liege** 1981 Jun 1;36(11):487–511 (131 ref.) **(Fre)**

[Method of cytogenetic paternity determination] Friedrich-Schöler E, et al. **Beitr Gerichtl Med** 1980; 38:389–93 (Eng. Abstr.) **(Ger)**

[Phosphoglucomutase (PGM1) subtypes in the population of Vienna (author's transl)] Pausch V, et al. **Wien Klin Wochenschr** 1981 Apr 3;93(7):219–21 (Eng. Abstr.) **(Ger)**

[Glyoxalase I polymorphisms: distribution of phenotypes and gene frequencies in Portugal (author's transl)] Weissmann J, et al. **Z Rechtsmed** 1981;86(3):205–11 (Eng. Abstr.) **(Ger)**

[Polymorphic studies of the etiological mechanism of hydatidiform mole using phosphoglucomutase-1 and esterase D] Okamoto E, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Oct; 32(10):1645–6 **(Jpn)**

[Determination of genetically polymorphic Pa, Pr and Db protein systems in human saliva] Sigal ER. **Biol Nauki** 1981; (5):84–7 **(Rus)**

[Polymorphism and heterozygosity levels of the Russian population of Moscow: data for 22 gene loci coding blood proteins] Altukhov IuP, et al. **Genetika (Moskva)** 1981; 17(3):548–55 (Eng. Abstr.) **(Rus)**

[Polymorphism of human serum cholinesterase in a Moscow population] Nazarova AF. **Genetika (Moskva)** 1981; 17(2):375–61 **(Rus)**

[Comparative analysis of the polymorphism of the heterochromatic regions of chromosomes 1, 9, 16 and Y in healthy children and children with mild forms of mental retardation] Sushanlo KhM, et al. **Genetika (Moskva)** 1981; 17(4):726–31 **(Rus)**

[Human chromosomal polymorphism and reproductive function disorder. III. Extreme autosomal C-variants: an analysis of their distribution and combination in the karyotype] Tsetkova TG. **Genetika (Moskva)** 1980; 16(12):2210–6 (Eng. Abstr.) **(Rus)**

[Segregation of Q-polymorphic variants of human chromosomes] Tupitsyna LP, et al. **Genetika (Moskva)** 1980 Apr;16(4):727–32 (Eng. Abstr.) **(Rus)**

[Genetic dimorphism of the earwax in healthy children and in those with pneumonia] Botvin'ev OK, et al. **Pediatriia** 1980;(9):38–40 **(Rus)**

[Determination of the polymorphism and aging of human serum albumin by an isofocusing method in a borate-polyol system] Azhitskii Glu, et al. **Probl Gematol Pereliv Krovi** 1981 Mar;26(3):40–2 **(Rus)**

[Stability of C-band heterochromatin polymorphism in 2 transplantable human cell lines differing in sensitivity to Coxsackie virus B3] Amchenkova AM, et al. **Tsitol Genet** 1981 Mar-Apr;15(2):31–4 (Eng. Abstr.) **(Rus)**

[Individual differences in the isoenzyme spectrum of human alpha-L-fucosidase] Beier EM, et al. **Vopr Med Khim** 1980 Jul-Aug;26(4):538–9 (Eng. Abstr.) **(Rus)**

POLYMYALGIA RHEUMATICA

COMPLICATIONS

Coronary ischaemia and occlusion in giant cell (temporal) arteritis. Paulley JW. **Acta Med Scand** 1980;208(4):257–63

Prognosis and management of polymyalgia rheumatica. Jones JG, et al. **Ann Rheum Dis** 1981 Feb;40(1):1–5

Hepatocellular disease in the giant-cell arteritis/polymyalgia rheumatica syndrome. Leong AS, et al. **Ann Rheum Dis** 1981 Feb;40(1):92–5

Chondrocalcinosis and polymyalgia rheumatica in carpal tunnel syndrome [letter] Richards AJ. **Arthritis Rheum** 1981 Apr;24(4):640

Reflex sympathetic dystrophy syndrome complicating polymyalgia rheumatica [letter] Wysenbeek AJ, et al. **Arthritis Rheum** 1981 Jun;24(6):863–4

Bullous pemphigoid, polymyalgia rheumatica and thyroid disease. How J, et al. **Br J Dermatol** 1980 Aug;103(2):201–4

Polymyalgia rheumatica and myasthenia gravis [letter] Palferman TG. **J Rheumatol** 1981 Jan-Feb;8(1):169–71

Fatal renal failure in polymyalgia rheumatica caused by disseminated giant cell arteritis. Elling H, et al. **Scand J Rheumatol** 1980;9(4):206–8

[Liver involvement in patients with rheumatic polymyalgia and temporal arteritis] Elling H. **Ugeskr Laeger** 1980 Dec 1;142(49):3250–2 (Eng. Abstr.) **(Dan)**

[Polymyalgia rheumatica, a Pandora's box?] Janssen M, et al. **Ned Tijdschr Geneeskd** 1981 Apr 11;125(15):575–82 (Eng. Abstr.) **(Dut)**

[Transient hypothyroidism in the initial phase of rhizomelic pseudopolyarthritis (letter)] Paolaggi JB, et al. **Rev Rhum Mal Osteoartic** 1980 Nov;47(11):679–80 **(Fre)**

[Trouble of liver function in polymyalgia rheumatica (author's transl)] Riot F, et al. **Sem Hop Paris** 1980 Sept 8–15;56(29–32):1293–4 (Eng. Abstr.) **(Fre)**

[Ocular involvement in polymyalgia rheumatica (author's transl)] Radda TM, et al. **Klin Monatsbl Augenheilkd** 1980 Dec;177(6):871–4 (Eng. Abstr.) **(Ger)**

[Temporal arteritis associated with polyneuritis and polymyalgia rheumatica (author's transl)] Takahashi K, et al. **Rinsho Shinkeigaku** 1980 Oct;20(10):831–7 (Eng. Abstr.) **(Jpn)**

[Polymyalgia rheumatica and associated diseases (letter)] Vilaseca J, et al. **Med Clin (Barc)** 1981 Jan 10;76(1):38 **(Spa)**

DIAGNOSIS

Rheumatoid arthritis masquerading as polymyalgia rheumatica: report of two cases. Weinberger KA. **J Am Geriatr Soc** 1980 Nov;28(11):523–4

Acute leukemia masquerading as polymyalgia rheumatica. Block SR. **J Maine Med Assoc** 1980 Aug;71(8):244–5

[Observations on polymyalgia rheumatica] Krug K, et al. **Z Gesamte Inn Med** 1980 Dec 15;35(24):suppl 180–3 (33 ref.) (Eng. Abstr.) **(Ger)**

[Clinical course characteristics of polymyalgia arteritica. Study of 16 cases] Vilaseca J, et al. **Rev Med Univ Navarra** 1979 Jun;23(2):61–5 (Eng. Abstr.) **(Spa)**

[Polymyalgia arteritica – a sign of associated malignant disease?] Henning R, et al. **Lakartidningen** 1981; 78(18):1892–3 (Eng. Abstr.) **(Swe)**

DRUG THERAPY

An alternate-day corticosteroid regimen in maintenance therapy of giant cell arteritis. Bengtsson BA, et al. **Acta Med Scand** 1981;209(5):347–50

ETIOLOGY

Hepatitis B virus and polymyalgia rheumatica: a search for HBsAg, HBsAb, HBcAb, HBeAg, and HBeAb. Elling H, et al. **Rheum Dis** 1980 Oct;39(5):511–3

FAMILIAL & GENETIC

Polymyalgia arteritica. A report on five cases within a family. Kvernebo K, et al. **Scand J Rheumatol** 1980;9(3):187–9

Polymyalgia rheumatica in a husband and wife. Nielsen JL. **Scand J Rheumatol** 1980;9(3):177–8

Familial polymyalgia rheumatica. How J, et al. **Scott Med J** 1981 Jan;26(1):59–61

HISTORY

Polymyalgia rheumatica with temporal arteritis, as painted by Jan van Eyck in 1436. Dequeker JV. **Can Med Assoc J** 1981 Jun 15;124(12):1597–8

IMMUNOLOGY

Circulating immune complexes in polymyalgia rheumatica and giant cell arteritis. Park JR, et al. **Ann Rheum Dis** 1981 Aug;40(4):360–5

Circulating immune complexes in giant cell arteritis and polymyalgia rheumatica. Papaioannou CC, et al. **Arthritis Rheum** 1980 Sep;23(9):1021–5

Lack of consistent peripheral blood lymphocyte transformation responses in polymyalgia rheumatica and giant cell arteritis. Jones JG, et al. **J Rheumatol** 1980 Nov-Dec;7(6):891–4

In vitro lymphocyte cytotoxicity to cultured human arterial smooth muscle cells in patients with giant cell arteritis and polymyalgia rheumatica. Park JR, et al. **J Rheumatol** 1981 Jan-Feb;8(1):125–8

MORTALITY

Prognosis of giant cell arteritis including temporal arteritis and polymyalgia rheumatica. A follow-up study on ninety patients treated with corticosteroids. Bengtsson BA, et al. **Acta Med Scand** 1981;209(5):337–45

OCCURRENCE

The epidemiology of giant cell arteritis including temporal arteritis and polymyalgia rheumatica. Incidences of different clinical presentations and eye complications. Bengtsson BA, et al. **Arthritis Rheum** 1981 Jul; 24(7):899–904

PATHOLOGY

Polymyalgia rheumatica--an arthritis or arteritis? [letter] Douglas W, et al. **Med J Aust** 1980 Oct 18;2(8):452–3

[Giant cell arteritis: temporal arteritis, polymyalgia rheumatica and Takayasu arteritis] Maestre J, et al. **Rev Clin Esp** 1981 Jan 31;160(2):115–9 **(Spa)**

PHYSIOPATHOLOGY

A follow-up study of polymyalgia rheumatica: evidence of chronic axial synovitis. O'Duffy JD, et al. **J Rheumatol** 1980 Sep-Oct;7(5):685–93

POLYMYXIN B see under **POLYMYXINS**

POLYMYXIN E see **COLISTIN**

POLYMYXINS

Pressure-induced changes in the molecular organization of a lipid-peptide complex: polymyxin binding to phosphatidic acid membranes. Galla HJ, et al. **Biochim Biophys Acta** 1980 Nov 18;602(3):522–30

Deacylation of polymyxin B by hydrazine & solvolysis. Srinivasa BR, et al. **Indian J Biochem Biophys** 1980 Aug; 17(4):298–302

[Preservation in aqueous solution of vancomycin, neomycin and polymyxin B, alone or in combination. Statistical analysis of antibacterial activity according to the Pharmacopée Helvétique VI] Cornu J, et al. **Pharm Acta Helv** 1980;55(10):253–5 **(Fre)**

ADMINISTRATION & DOSAGE

In vivo potentiation of the action of polymyxin B by gramicidin Dubos. Radhakrishna G, et al. **Indian J Exp Biol** 1981 Jan;19(1):57–60

The dose at which neomycin and polymyxin B can be applied for selective decontamination of the digestive tract in mice. Emmelot CH, et al. **J Hyg (Lond)** 1980 Jun;84(3):331–40

[Preliminary observation on respiratory infection of Pseudomonas aeruginosa treated with ultrasonic aerosol inhalation of polymyxin B (author's transl)] Li XW. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1980 Feb;3(2):79–80 **(Chi)**

ADVERSE EFFECTS

Lethal effect of polymyxin B sulfate in experimental Proteus rettgeri infection in mice. Bannatyne RM, et al. **Can J Microbiol** 1980 Feb;26(2):254–6

Acute respiratory failure secondary to polymyxin-B inhalation. Wilson FE. **Chest** 1981 Feb;79(2):237–9

ANALYSIS

Essential amino groups of polymyxin B. Srinivasa BR, et al. **Indian J Biochem Biophys** 1980 Apr;17(2):112–8

[Identification of a polymyxin preparation obtained from a mutant Bacillus polymyxa strain] Kovalishin IaF, et al. **Mikrobiol Zh** 1980 Nov-Dec;42(6):771–3 **(Rus)**

ANTAGONISTS & INHIBITORS

[Isolation and characteristics of polymyxin-resistant mutants of Shigella flexneri] Marakusha BI. **Antibiotiki** 1980 Oct; 25(10):753–8 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Solid-phase synthesis of a cyclic decapeptide, analog of the antibiotic polymyxin M. Salem EE. **Pharmazie** 1980 Dec; 30(12):761–3

Synthesis of pelargonoyl-cyclic decapeptide analog of the antibiotic polymyxin B.1. Salem EM, et al. **Pharmazie** 1980; 35(9):540–1

DIAGNOSTIC USE

[Polymyxin b inhalation test – a significant aid for establishing indications for intal therapy] Rożniecki J, et al. **Pneumonol Pol** 1980 Jul;48(7):433–5 (Eng. Abstr.) **(Pol)**

[Synergistic effect of inhalation of alleregen and polymyxin B in bronchial asthma] Rożniecki J, et al. **Pneumonol Pol** 1980 Jul;48(7):429–31 (Eng. Abstr.) **(Pol)**

METABOLISM

Polymyxin interaction with negatively charged lipid bilayer membranes and the competitive effect of Ca2+. Sixl F, et al. **Biochim Biophys Acta** 1981 May 20;643(3):626–35

PHARMACODYNAMICS

The occurrence of the trehalose fermenting, tetracycline and polymyxin resistant phenotype among the

Enterobacteriaceae. Siboni K.
Acta Pathol Microbiol Scand [B] 1980 Aug;88(4):185–8
Pulmonary function and histaminemia after polymyxin B inhalation. Górski P, et al. **Agents Actions** 1981 Apr; 11(1–2):74–5
Outer membrane permeability barrier disruption by polymyxin in polymyxin-susceptible and -resistant Salmonella typhimurium. Vaara M, et al.
Antimicrob Agents Chemother 1981 Apr;19(4):578–83
Effects of filipin, digitonin, and polymyxin b on plasma membrane of ram spermatozoa--an EM study. Bradley MP, et al. **Arch Androl** 1980 May;4(3):195–204
Effect of polymyxins on glycogen phosphorylase. Ktenas TB, et al. **Biochem Biophys Res Commun** 1980 Nov 28; 97(2):415–22
The action of polymyxin B at the frog neuromuscular junction. Durant NN, et al. **Br J Pharmacol** 1981 Jan; 72(1):41–7
The effect of polymyxin B and some mast-cell constituents on mucosal mast cells in the duodenum of the rat. Enerbäck L, et al. **Cell Tissue Res** 1981;214(2):239–46
Potentiation by polymyxin B of the bronchoconstriction following allergen inhalation in patients with atopic asthma. Rozniecki J, et al. **Clin Allergy** 1980 Nov;10(6):739–42
Neuromuscular block produced by polymyxin B: interaction with end-plate channels. Fiekers JF. **Eur J Pharmacol** 1981 Mar 5;70(1):77–81
Effect of polymyxin B on kappa phage adsorption on Serratia marcescens HY. Patel KA, et al. **Indian J Exp Biol** 1980 Nov;18(11):1353–4
Transfer of polymyxin-resistance from Bacillus polymyxa : transformation of gram-positive & gram-negative bacteria. Sen M, et al. **Indian J Exp Biol** 1980 Nov;18(11):1256–9
Further evidence on the cytoplasmic existence of polymyxin resistance factor in Vibrio cholerae-- 'Eltor'. Sridhar P, et al. **Indian J Exp Biol** 1980 Oct;18(10):1194–5
Drug interaction studies on amphibian vasoconstrictor responses to mast cell degranulators. Gambhir SS, et al. **Indian J Med Res** 1980 Jun;71:933–9
Polymyxin B inactivation of lipopolysaccharide in vaccines of Gram-negative bacteria. Cooperstock M, et al.
Infect Immun 1981 Jul;33(1):315–8
Mast cell restoration. A study of the rat peritoneal mast cells after depletion with polymyxin B. Krüger PG, et al.
Int Arch Allergy Appl Immunol 1981;65(3):278–90
Inhibitory effect of polymyxin B on prodigiosin biosynthesis in Serratia marcescens [letter] Tsang JC, et al.
J Antibiot (Tokyo) 1980 Apr;33(4):455–7
Baird-Parker medium supplemented with acriflavine, polymyxins and sulphonamide for the selective isolation of Staphylococcus aureus from heavily contaminated materials. Devriese LA. **J Appl Bacteriol** 1981 Apr; 50(2):351–7
Induction of accelerated sporangial lysis by basic peptide antibiotics. A novel method of preparation of free spores of bacilli. Vinter V, et al. **J Appl Bacteriol** 1980 Aug; 49(1):155–64
Polymyxin B release of unnicked cholera toxin subunit A. Levner M, et al. **J Bacteriol** 1980 Dec;144(3):1203–4
Outer membrane protein H1 of Pseudomonas aeruginosa: involvement in adaptive and mutational resistance to ethylenediaminetetraacetate, polymyxin B, and gentamicin. Nicas TI, et al. **J Bacteriol** 1980 Aug;143(2):872–8
Complement activating property of the protein-rich endotoxin (OEP) of Pseudomonas aeruginosa. II. Complement activating property of the lipopolysaccharide portion and the inhibition by polymyxin B. Inada K.
Jpn J Exp Med 1980 Apr;50(2):107–15
Induction of T cell-independent eosinophilia in mice with polymyxin B and schistosome infection. Tsuda S, et al. **Lab Invest** 1980 Dec;43(6):495–9
Electron microscope study of the effect of benzalkonium, chlorhexidine and polymyxin on Pseudomonas cepacia. Richards RM, et al. **Microbios** 1981;29(115):23–31
[The effect of antibiotics on the synthesis of humoral antibodies in the mouse (author's transl)] Hillebrecht B.
Arb Paul Ehrlich Inst Georg Speyer Haus Ferdinand Blum Inst 1980;74:35–41 (Eng. Abstr.) **(Ger)**
[Effects of polymyxin B and E (colistin) on blood coagulation, thrombocyte function, and fibrin structure (author's transl)] Klingemann HG, et al.
Arzneimittelforsch 1980;30(10):1719–21 (Eng. Abstr.) **(Ger)**
[Experimental studies on administration method of chemotherapeutic agents. 16. Effect of polymyxin B against Pseudomonas aeruginosa (author's transl)] Obana Y, et al. **Jpn J Antibiot** 1980 May;33(5):636–40 (Eng. Abstr.) **(Jpn)**
[Effect of the polycationic antibiotic polymyxin B on the respiratory activity of rat liver mitochondria] Kapitanova NG, et al. **Biokhimiia** 1980 Sep;45(9):1682–4 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Topical antibiotics and minor skin trauma. Leyden JJ, et al. **Am Fam Physician** 1981 Jan;23(1):121–5
The value of polymixin B in endotoxaemia due to experimental obstructive jaundice and mesenteric ischaemia. Ingoldby CJ. **Br J Surg** 1980 Aug;67(8):565–7
A double-blind trial of half-strength Polybactrin Soluble GU bladder irrigation in cystoscopy. Hares MM. **Br J Urol** 1981 Feb;53(1):62–7
A double-blind comparative study of trimethoprim-polymyxin B versus trimethoprim-sulfacetamide-polymyxin B otic solutions in the treatment of otorrhea. Gydé MC. **J Laryngol Otol** 1981 Mar;95(3):251–9
[Preliminary observation on respiratory infection of Pseudomonas aeruginosa treated with ultrasonic aerosol inhalation of polymyxin B (author's transl)] Li XW.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1980 Feb;3(2):79–80 **(Chi)**
[Evaluation of the effect of the preparation, Pulpomixine, used for indirect covering of inflamed dental pulp in dogs] Ruszyńska H. **Czas Stomatol** 1980 Dec;33(12):1053–9 (Eng. Abstr.) **(Pol)**

POLYNEURITIS

Plasma cell dyscrasia with polyneuritis and dermato-endocrine alterations. Report of a new case outside Japan. Moya-Mir MS, et al. **Postgrad Med J** 1980 Jun;56(656):427–30

BLOOD

[Blood lipids and lipoproteins in rabbits with experimental allergic polyneuritis] Pleskov VM, et al.
Vopr Med Khim 1980 Nov-Dec;26(6):817–23 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Clinical and electrophysiological studies of carbon disulphide polyneuropathy. Vasilescu C, et al. **J Neurol** 1980; 224(1):59–70
[The development of cardiac beriberi with polyneuritis after protracted use of large amounts of magnesium trisilicate. An unpublished observation by Dr. J. G. G. Borst] Majoor CL, et al. **Ned Tijdschr Geneeskd** 1980 Aug 23; 124(34):1411–6 (Eng. Abstr.) **(Dut)**
[Metronidazole neuropathy (author's transl) (letter)] You B, et al. **Nouv Presse Med** 1981 Feb 28;10(9):708 (Eng. Abstr.) **(Fre)**
[Electrophysiological studies in vincristin-polyneuropathy (author's transl)] Mamoli B, et al. **EEG EMG** 1980 Mar; 11(1):21–7 (Eng. Abstr.) **(Ger)**
[Levels of vitamin B1 and B12 and of folic acid in alcoholic polyneuropathy (author's transl)] Meyer JG, et al.
Nervenarzt 1981 Jun;52(6):329–32 **(Ger)**
[Long-term results of polyneuropathies from industrial glues. Clinical electromyographic observation of 10 cases] Montesanti V, et al. **Med Lav** 1981 Mar-Apr;72(2):107–12 (Eng. Abstr.) **(Ita)**
[Petroleum benzine polyneuropathy occurred in a worker engaged in cleaning gas meters (author's transl)] Ono Y, et al. **Sangyo Igaku** 1980 Jul;22(4):256–62 (Eng. Abstr.) **(Jpn)**
[Toxic polyneuropathy as a consequence of the use of glue and chemical dissolvents on the shoe-industry (author's transl)] Palao A, et al. **Arch Neurobiol (Madr)** 1981 Jan-Feb;44(1):35–48 **(Spa)**

COMPLICATIONS

Relapsing polyneuritis and respiratory failure [clinical conference] **S Afr Med J** 1981 Feb 7;59(6):183–7
[Miller-Fisher syndrome (author's transl)] Juif JG, et al.
Ann Pediatr (Paris) 1980 May;27(5):325–9 (Eng. Abstr.) **(Fre)**
[The Guillain-Barré syndrome. Report of an unusual case of facial diplegia (author's transl)] Mizusawa H, et al.
Rinsho Shinkeigaku 1980 May;20(5):364–9 (Eng. Abstr.) **(Jpn)**
[Temporal arteritis associated with polyneuritis and polymyalgia rheumatica (author's transl)] Takahashi K, et al. **Rinsho Shinkeigaku** 1980 Oct;20(10):831–7 (Eng. Abstr.) **(Jpn)**
[Respiratory insufficiency in acute polyradiculoneuritis and polyneuropathies and the results of treatment with prolonged artificial pulmonary ventilation] Oganesian ShS.
Anesteziol Reanimatol 1980 Sep-Oct;(5):46–9 (Eng. Abstr.) **(Rus)**

CONGENITAL

[Congenital polyneuropathies] Badurska B, et al.
Pediatr Pol 1980 Jul;55(7):875–83 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Acute temporomandibular joint pain-dysfunction syndrome: neuro-otologic and electromyographic study. Adour KK.
Am J Otolaryngol 1981 May;2(2):114–22
Steroid-responsive polyneuropathy with subacute onset in childhood. Colan RV, et al. **J Pediatr** 1980 Sep;97(3):374–7
[Meningopolyneuritis (Garin-Bujadoux, Bannwarth)] Hanzal F, et al. **Cesk Neurol Neurochir** 1980 Sep;43(5):307–14 (Eng. Abstr.) **(Cze)**
[Visceral diabetic polyneuropathy - quantitative determination of respiratory cardiac arrhythmia] Reichel G, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Apr; 33(4):210–7 (Eng. Abstr.) **(Ger)**
[Clinical aspects and therapy of Landry's paralysis] Voigt W, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1980 Sep; 32(9):526–34 (Eng. Abstr.) **(Ger)**
[Neuro-psychiatric aspects of gastrointestinal disease (author's transl)] Reisner H. **Wien Klin Wochenschr** 1981 May 15;93(10):311–4 (Eng. Abstr.) **(Ger)**
[Biopsy study of gastric mucosa in familial amyloid polyneuropathy--with special reference to diagnosis (author's transl)] Makishita H, et al. **Rinsho Shinkeigaku** 1981 Mar;21(3):201–8 (Eng. Abstr.) **(Jpn)**
[Polyneuropathy, hepatomegaly and cardiac insufficiency] Ramos-Martinez E, et al. **Gac Med Mex** 1980 Jan; 116(1):35–41 **(Spa)**

ETIOLOGY

Relapsing and recurrent idiopathic polyneuropathy. Singhal BS, et al. **J Assoc Physicians India** 1981 Feb;29(2):153–8
Polyneuritis cranialis as a presentation of malignant lymphoma. Teoh R, et al. **J Neurol Sci** 1980 Dec; 48(3):399–412
[Uremic polyneuritis. Significance of determination of neural conduction velocity (NCV) and level of mean molecules (MM)] El Matri A, et al. **Tunis Med** 1979 Nov-Dec; 57(6):348–51 (Eng. Abstr.) **(Fre)**
[A case of miliary tuberculosis showing impaired liver function with polyneuritis as an initial manifestation (author's transl)] Morotomi Y, et al. **Kekkaku** 1981 Feb; 56(2):69–73 (Eng. Abstr.) **(Jpn)**
[Role of metabolic disorders in the pathogenesis of diabetic neuropathy] Genes VS, et al. **Klin Med (Mosk)** 1981 Jan; 59(1):15–20 **(Rus)**
[Ascending polyneuritis of the Landry type as the sole manifestation of acute intermittent porphyria] Forteza-Rey J, et al. **Rev Clin Esp** 1980 Jul 15-31;158(1-2):69–71 **(Spa)**
[Alcoholic polyneuritis. Clinical and electromyographic study] Gatell Artigas JM, et al. **Rev Clin Esp** 1981 May 15;161(3):149–52 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Cell-mediated immunity in idiopathic polyneuritis. Iqbal A, et al. **Ann Neurol** 1981;9 Suppl:65–9
Immunoglobulin and complement deposits in nerves of patients with chronic relapsing polyneuropathy. Dalakas MC, et al. **Arch Neurol** 1980 Oct;37(10):637–40

PATHOLOGY

Peripheral neuropathy associated with immunoglobulin disorders an immunological and ultrastructural study. Nardelli E, et al. **Acta Neuropathol [Suppl] (Berl)** 1981; 7:258–61
Sensorimotor polyneuropathy in light chain multiple myeloma. Pellegrini G, et al.
Acta Neuropathol [Suppl] (Berl) 1981;7:255–7
Subacute-chronic polyneuritis. Poewe W, et al.
Acta Neuropathol [Suppl] (Berl) 1981;7:262–7
Cryoglobulinemic neuropathy: ultrastructural study of the nerve capillaries. Vallat JM, et al.
Acta Neuropathol [Suppl] (Berl) 1981;7:252–4
Cryoglobulinemic neuropathy: a pathological study. Vallat JM, et al. **Ann Neurol** 1980 Aug;8(2):179–85

PHYSIOPATHOLOGY

Familial amyloidosis with polyneuropathy - type I. A neurophysiological study of peripheral nerve function. Blom S, et al. **Acta Neurol Scand** 1981 Feb;63(2):99–110
[Motor nerve conduction velocity and M-wave studies in familial amyloidotic polyneuropathy and diabetic neuropathy (author's transl)] Kurihara T, et al.
Rinsho Shinkeigaku 1980 Apr;20(4):241–7 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Computerized tomography and adrenoleukomyeloneuropathy. O'Neill BP, et al.
Arch Neurol 1981 May;38(5):293–6

POLYNUCLEAR AROMATIC HYDROCARBONS see **POLYCYCLIC HYDROCARBONS**

POLYNUCLEOTIDE HYDROXYLKINASE see under **PHOSPHOTRANSFERASES, ATP**

POLYNUCLEOTIDE LIGASES see **POLYNUCLEOTIDE SYNTHETASES**

POLYNUCLEOTIDE PHOSPHORYLASE

METABOLISM

Stereochemical and kinetic investigation of 32P-labeled inorganic phosphate exchange reaction catalyzed by primer-independent and primer-dependent polynucleotide phosphorylase from Micrococcus luteus. Marlier JF, et al. **Biochemistry** 1981 Apr 14;20(8):2212–9
Enzymatic synthesis of polyuridylic acid containing modified bases. Ho YK, et al. **Nucleic Acids Res** 1980 Jul 25; 8(14):3175–91
[Effect of growth hormone on polynucleotide phosphorylase activity in a primary monolayer culture of rat hepatocytes] Fedotov VP, et al. **Biull Eksp Biol Med** 1980 Dec; 90(12):692–4 (Eng. Abstr.) **(Rus)**

POLYNUCLEOTIDE SYNTHETASES

T4 RNA ligase as a nucleic acid synthesis and modification reagent. Gumport RI, et al. **Nucleic Acids Symp Ser** 1980; (7):167–71

[Study of the kinetics of the reaction reuniting DNA fragments catalyzed by DNA-ligase. Case of homogeneous molecules] Mashko SV, et al. **Mol Biol (Mosk)** 1980 Sep–Oct;14(5):1023–38 (Eng. Abstr.) **(Rus)**

ANALYSIS

Fluorescence spot tests for DNA endonuclease, ligase, and topoisomerase activities. Kowalski D. **Anal Biochem** 1980 Sep 15;107(2):311–3

Presence of 2'–5' A synthetase in dog liver. Etienne-Smekens M, et al. **FEBS Lett** 1981 Mar 23;125(2):146–50

2'5' oligoadenylate synthetase, an interferon induced enzyme: direct assay methods for the products, 2'5' oligoadenylates and 2'5' co-oligonucleotides. Justesen J, et al. **Nucleic Acids Res** 1980 Jul 25;8(14):3073–85

ANTAGONISTS & INHIBITORS

Inhibition of double-stranded ribonucleic acid activated protein kinase and 2',5'-oligo(adenylic acid) polymerase by ethidium bromide. Baglioni C, et al. **Biochemistry** 1981 Feb 17;20(4):758–62

BIOSYNTHESIS

Induction, purification, and properties of 2'5' oligoadenylate synthetase. Ball LA. **Ann NY Acad Sci** 1980;350:486–96

Role of interferon-induced enzymes in the antiviral and antimitogenic effects of interferon. Revel M, et al. **Ann NY Acad Sci** 1980;350:459–72

Oligo(2'–5')adenylate synthetase in human lymphoblasto:d cells. Johnston MI, et al. **Biochem Biophys Res Commun** 1980 Nov 28;97(2):375–83

Induction of DNA ligase during stimulation of DNA synthesis in intact rat liver by a dietary manipulation. Teraoka H, et al. **Biochim Biophys Acta** 1981 May 29; 653(3):408–11

Induction of poly(I):poly(C)–binding 50 K protein and 2',5'–oligoadenylate synthetase in interferon–treated mouse L929 cells. Sokawa Y. **J Biochem (Tokyo)** 1980 Jul; 88(1):159–66

Mechanisms of action of human interferons. Induction of 2'5'–oligo(A) polymerase. Baglioni C, et al. **J Biol Chem** 1980 Sep 25;255(18):8390–3

Assay of an interferon-induced enzyme in white blood cells as a diagnostic aid in viral diseases. Schattner A, et al. **Lancet** 1981 Sep 5;2(8245):497–500

Increased levels of (2'–5')oligo(A) polymerase activity in human lymphoblastoid cells treated with glucocorticoids. Krishnan I, et al. **Proc Natl Acad Sci USA** 1980 Nov; 77(11):6506–10

Enzymatic activities induced by interferon in human fibroblast cell lines differing in their sensitivity to the anticellular activity of interferon. Vandenbussche P, et al. **Virology** 1981 May;111(1):11–22

GENETICS

Suppressors of mutations in the bacteriophage T4 gene coding for both RNA ligase and tail fiber attachment activities. Hall DH, et al. **J Virol** 1980 Oct;36(1):103–8

Interferon–dependent induction of mRNA activity for (2'–5')oligo–isoadenylate synthetase. Shulman L, et al. **Nature** 1980 Nov 6;288(5786):98–100

Two classes of Mu lig mutants: the thermosensitives for integration and replication and the hyperproducers for ligase. Paolozzi L, et al. **Nucleic Acids Res** 1980 Dec 11; 8(23):5859–73

ISOLATION & PURIFICATION

Purification of the T4 DNA ligase by Blue Sepharose chromatography. Sugiura M. **Anal Biochem** 1980 Nov 1; 108(2):227–9

DNA–joining activity associated with a murine retrovirus. Raae AJ, et al. **Biochem Biophys Res Commun** 1981 Feb 27;98(4):907–14

A new procedure for the simultaneous large–scale purification of bacteriophage–T4–induced polynucleotide kinase, DNA ligase, RNA ligase and DNA polymerase. Dolganov GM, et al. **Eur J Biochem** 1981 Feb; 114(2):247–54

Interferons, double–stranded RNA, and RNA degradation. Isolation and characterization of homogeneous human (2'–5')(a)n synthetase. Yang K, et al. **J Biol Chem** 1981 Sep 10;256(17):9324–8

METABOLISM

The interferon–induced enzyme oligo–isoadenylate synthetase: rapid determination of its in vitro products. Merlin G, et al. **Anal Biochem** 1981 Jan 1;110(1):190–6

Interferon–induced enzymes: activation and role in te antiviral state. Baglioni C, et al. **Ann NY Acad Sci** 1980; 350:497–509

Protein kinase activity and the natural occurrence of 2–5A in interferon–treated EMC virus–infected L–cells. Golgher RR, et al. **Ann NY Acad Sci** 1980;350:448–58

Properties of 2'5' oligoadenylate synthetase. Jutesen J, et al. **Ann NY Acad Sci** 1980;350:510–21

Double–stranded RNA and the enzymology of interferon action. Lengyel P, et al. **Ann NY Acad Sci** 1980;350:441–7

The 2'5' oligoadenylate synthetase has a multifunctional 2'5' nucleotidyl–transferase activity. Ferbus D, et al. **Biochem Biophys Res Commun** 1981 May 29;100(2):847–56

Activation of mammalian DNA ligase by polyamines. Teraoka H, et al. **Biochem Biophys Res Commun** 1980 Jul 31;95(2):638–43

Interferon–induced (2'–5')oligoadenylate synthetase: adsorpton to and assay on adenosine 2',5'–diphosphate–sepharose. Johnston MI, et al. **Biochemistry** 1980 Nov 25;19(24):5580–5

Role of 2',5'–oligo(adenylic acid) polymerase in the degradation of ribonucleic acid linked to double–stranded ribonucleic acid by extracts of interferon–treated cells. Nilsen TW, et al. **Biochemistry** 1980 Nov 25;19(24):5574–9

Joining of yeast alanine transfer ribonucleic acid half molecules to form a whole molecule by T4 RNA ligase. Wang GH, et al. **Biochim Biophys Acta** 1981 Jan 29; 652(1):82–9

Chromatin conformation modulates repair of single strand interruptions by polynucleotide ligase–[3H] AMP. Montagna RA, et al. **Chem Biol Interact** 1981 Jan; 33(2–3):149–61

Anti–mitogenic function of interferon–induced (2'–5')oligo(adenylate) and growth–related variations in enzymes that synthesize and degrade this oligonucleotide. Kimchi A, et al. **Eur J Biochem** 1981;114(1):5–10

DNA ligase changes and cell population in thymus of corticosteroid–treated chick embryo. David JC, et al. **Exp Cell Res** 1980 Nov;130(1):137–46

Enzymology of DNA repair. Laval J, et al. **IARC Sci Publ** 1980;(27):55–73 (73 ref.)

Replication of phi X174 DNA with purified enzymes. II. Multiplication of the duplex form by coupling of continuous and discontinuous synthetic pathways. Arai N, et al. **J Biol Chem** 1981 May 25;256(10):5239–46

Synthesis of (2'–5')(A)n from ATP. Characteristics of the reaction catalyzed by (2'–5')(A)n synthetase purified from mouse Ehrlich ascites tumor cells treated with interferon. Samanta H, et al. **J Biol Chem** 1980 Oct 25;255(20):9807–13

Replication of phi X174 dna with purified enzymes. I. Conversion of viral DNA to a supercoiled, biologically active duplex. Shlomai J, et al. **J Biol Chem** 1981 May 25;256(10):5233–8

Sequential stimulation of DNA repair and DNA replication in normal human cells. Gupta PK, et al. **Mutat Res** 1980 Sep;72(2):273–84

Formation of a 2'–phosphomonoester, 3',5'–phosphodiester linkage by a novel RNA ligase in wheat germ. Konarska M, et al. **Nature** 1981 Sep 10;293(5828):112–6

Temperature dependence of the joining by T4 DNA ligase of termini produced by type II restriction endonucleases. Ferretti L, et al. **Nucleic Acids Res** 1981 Jan 10;9(1):85–93

Restoration of ligase activity in E. coli K12 lig ts7 strain by bacteriophage Mu and cloning of a DNA fragment harbouring the Mu 'lig' gene. Ghelardini P, et al. **Nucleic Acids Res** 1980 Jul 25;8(14):3157–73

Elongation of oligonucleotides in the 3'–direction with activated mononucleotides and their analogs using RNA ligase. Ohtsuka E, et al. **Nucleic Acids Res** 1980 Feb 11; 8(3):601–10

Comparison of substrate base sequences for RNA ligase reactions in the synthesis of a tetradecanucleotide corresponding to bases 21–34 of E. coli tRNAfMet 1. Ohtsuka E, et al. **Nucleic Acids Res** 1980 Sep 11; 8(17):3909–16

Elongation mechanism and substrate specificity of 2',5'–oligoadenylate synthetase. Justesen J, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4618–22

Regulation of the stability of poly(I)xpoly(C)–induced human fibroblast interferon mRNA: selective inactivation of interferon mRNA and lack of involvement of 2',5'–oligo(A) synthetase activation during the shutoff of interferon production. Sehgal PB, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3489–93

Abnormal behavior of interferon–induced enzymatic activities in an interferon–resistant cell line. Verhaegen M, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4479–83

Regulation of 2'5'–oligo(A) polymerase activity in quiescent human fibroblasts treated with interferon. Krishnan I, et al. **Virology** 1981 Jun;111(2):666–70

[Possibility of DNA–ligase participation in regulating the synthesis and degradation of heat–damaged DNA in permeable Bacillus stearothermophilus cells] Trofimenko AF, et al. **Mikrobiologiia** 1980 Sep–Oct;49(5):715–21 (Eng. Abstr.) **(Rus)**

POLYNUCLEOTIDES

Use of polynucleotide/polyacrylamide–gel electrophoresis as a sensitive technique for the detection and comparison of ribonuclease activities. Karpetsky TP, et al. **Biochem J** 1980 Aug 1;189(2):277–84

Specificity in protein–nucleic acid interaction: Part III—Binding of dipeptide to polynucleotide, an equilibrium dialysis study. Podder SK, et al. **Indian J Biochem Biophys** 1980 Dec;17(6):414–6

Polyspecific monoclonal lupus autoantibodies reactive with both polynucleotides and phospholipids. Lafer EM, et al. **J Exp Med** 1981 Apr 1;153(4):897–909

Interactions of bacteriophage T4–coded gene 32 protein with nucleic acids. I. Characterization of the binding interactions. Kowalczykowski SC, et al. **J Mol Biol** 1981 Jan 5;145(1):75–104

Interactions of bacteriophage T4–coded gene 32 protein with nucleic acids. III. Binding properties of two specific proteolytic digestion products of the protein (G32P•I and G32P•III). Lonberg N, et al. **J Mol Biol** 1981 Jan 5; 145(1):123–38

Interactions of bacteriophage T4–coded gene 32 protein with nucleic acids. II. Specificity of binding to DNA and RNA. Newport JW, et al. **J Mol Biol** 1981 Jan 5;145(1):105–21

Specific recognition of apurinic sites in DNA by a tryptophan–containing peptide. Behmoaras T, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):926–30

[C1q component of complement and collagen reaction with nucleic acids and polyanions] Korogodin DV, et al. **Biull Eksp Biol Med** 1980 Dec;90(12):706–7 (Eng. Abstr.) **(Rus)**

[Circular dichroism study of the reaction between the protein product of bacteriophage f1 gene 5 and synthetic polynucleotides] Tiaglov BV, et al. **Mol Biol (Mosk)** 1980 Jul–Aug;14(4):814–9 (Eng. Abstr.) **(Rus)**

[Study of the mechanism of the unwinding effect of destabilized helix of bacteriophage f1 gene 5 protein with the aid of model tripeptides] Tiaglov BV, et al. **Mol Biol (Mosk)** 1981 Mar–Apr;15(2):454–60 (Eng. Abstr.) **(Rus)**

ANALYSIS

Estimation of apurinic/apyrimidinic sites and phosphotriesters in deoxyribonucleic acid treated with electrophilic carcinogens and mutagens. Drinkwater NR, et al. **Biochemistry** 1980 Oct 28;19(22):5087–92

A circular dichroism study of Escherichia coli Initiation Factor–1 binding to polynucleotides. Schleich T, et al. **Biochim Biophys Acta** 1980 Sep 19;609(2):313–20

BLOOD

Evidence for the presence of double–stranded polynucleotides inthe neutrophil inclusions of circulating neutrophils and those which form in the presence of SLE sera. Hurd ER. **Clin Immunol Immunopathol** 1981 Jul; 20(1):1–10

[Circulating polynucleotide and DNA antibody content and the DNase activity of the blood in clinical and experimental lupus nephritis] Demin AA, et al. **Urol Nefrol (Mosk)** 1980 Nov–Dec;(6):43–4 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Non–stepwise methods in the preparation of building blocks for polynucleotide synthesis. Seliger H, et al. **Nucleic Acids Symp Ser** 1980;(7):191–202

IMMUNOLOGY

Low–molecular–weight plasma cryoprecipitable antinative DNA: polynucleotide complexes in lupus glomerulonephritis. Roberts JL, et al. **Clin Immunol Immunopathol** 1981 Apr;19(1):75–90

METABOLISM

Microsomal activation of thioacetamide–S–oxide to a metabolite(s) that covalently binds to calf thymus DNA and other polynucleotides. Vadi HV, et al. **Chem Biol Interact** 1981 Apr;35(1):25–38

Function of nucleoside triphosphate and polynucleotide in Escherichia coli recA protein–directed cleavage of phage lambda repressor. Craig NL, et al. **J Biol Chem** 1981 Aug 10;256(15):8039–44

A tryptophan–containing peptide recognizes and cleaves DNA at apurinic sites. Behmoaras T, et al. **Nature** 1981 Aug 27;292(5826):858–9

Interaction of polynucleotides with natural and model membranes. Budker VG, et al. **Nucleic Acids Res** 1980 Jun 11;8(11):2499–515

Depurination causes mutations in SOS–induced cells. Schaaper RM, et al. **Proc Natl Acad Sci USA** 1981 Mar; 78(3):1773–7

Apurinic/apyrimidinic endonucleases in repair of pyrimidine dimers and other lesions in DNA. Warner HR, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4602–6

RADIATION EFFECTS

Reactivity of nucleotides and polynucleotides toward hydroxyl radical in aqueous solution. Masuda T, et al. **J Radiat Res (Tokyo)** 1980 Jun;21(2):173–9

Photolysis of iododeoxycytidine in DNA and related polynucieotides: wavelength dependence and energy transfer. Rahn RO, et al. **Photochem Photobiol** 1980 Sep; 32(3):313–7

POLYOMAVIRUSES

Assembly of a polyoma–like particle from empty capsids and DNA in a cell–free system. Aposhian HV, et al. **Adv Enzyme Regul** 1980;18:275–87

Polyomavirus inclusions in urinary cytology [letter] Hashida Y, et al. **Am J Clin Pathol** 1981 May;75(5):767

On the mechanism of elevated prostaglandin E2 production in 3T3 fibroblasts transformed by polyoma virus. Roos P, et al. **Eur J Biochem** 1980;108(1):279–83

Changes in the cell surface architecture in normal and polyoma virus transformed hamster cells after infection with influenza virus. Ochałek T. **Folia Histochem Cytochem (Krakow)** 1980;18(3):159–72

The deformability of BHK cells and polyoma virus–transformed BHK cells in relation to locomotory behaviour. Erickson CA. **J Cell Sci** 1980 Aug;44:187–200

Transformation of primary hamster brain cells with JC virus and its DNA. Frisque RJ, et al. **J Virol** 1980 Jul;35(1):265–9

Phenotype of polyoma-induced hamster tumor cells lines. Israel MA, et al. **J Virol** 1980 Jul;35(1):252–5

Surface antigens of BK virus–induced tumor cells. Karjalainen HE. **Med Biol** 1981 Feb;59(1):35–40

DRUG EFFECTS

Inhibition of polyoma virus–specific RNA formation by 5–bromo–2'–deoxyuridine. Tarábek J, et al. **Neoplasma** 1980;27(5):601–5

ENZYMOLOGY

Is polyoma virus middle T antigen a protein kinase? Smith AE, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):141–7

ATP phosphohydrolase (ATPase) activity of a polyoma virus T antigen. Gaudray P, et al. **Eur J Biochem** 1980 Aug; 109(2):553–60

GENETICS

Analysis of BK virus–transformed cells and BK virus–induced tumors by DNA–DNA reassociation kinetics. Grossi MP, et al. **Arch Virol** 1981;67(4):345–54

Murine polyoma virus transformation: integration and excision of the viral genome. Bourgaux P. **Can J Microbiol** 1981 Jun;27(6):559–62 (28 ref.)

Polyoma large T antigen regulates the integration of viral DNA sequences into the genome of transformed cells. Della Valle G, et al. **Cell** 1981 Feb;23(2):347–55

Mutation near the polyoma DNA replication origin permits productive infection of F9 embryonal carcinoma cells. Fujimura FK, et al. **Cell** 1981 Mar;23(3):809–14

Integration and excision of polyoma virus genomes. Basilico C, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):611–20

The hr–t gene of polyoma virus. Benjamin TL, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):263–70

Early mutants of polyoma virus (dl8 and dl23) with altered transformation properties: is polyoma virus middle T antigen a transforming gene product? Griffin BE, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):271–83

Organization of T antigens in the polyoma virus genome. Hunter T, et al. **Cold Spring Harbor Symp Quant Biol** 1980; 44(Pt 1):131–9

Comparison of polyoma virus transcription in productively infected mouse cells and transformed rodent cell lines. Kamen R, et al. **Cold Spring Harbor Symp Quant Biol** 1980; 44(Pt 1):63–75

Organization and expression of integrated polyoma virus DNA sequences in transformed rodent cells. Lania L, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):597–603

Host–virus interactions critical for cellular transformation by polyoma virus and SV40. Rassoulzadegan M, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):333–42

Lytic infection of teratocarcinoma cells by polyoma virus mutants. Vasseur M, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):301–4

Replication of polyoma DNA in nuclei isolated from azidocytidine–inhibited fibroblasts. Eliasson R, et al. **J Biol Chem** 1981 Sep 10;256(17):9044–50

Biological properties of polyoma DNA fragments cloned in plasmid pBR322. Bastin M, et al. **J Gen Virol** 1980 Sep; 50(1):179–84

Polyoma virus DNA: Sequence from the late region that specifies the leader sequence for late mRNA and codes for VP2, VP3, and the N–terminus of VP1. Arrand JR, et al. **J Virol** 1980 Feb;33(2):606–18

A cloned polyoma DNA fragment representing the 5' half of the early gene region is oncogenic. Chowdhury K, et al. **J Virol** 1980 Nov;36(2):566–74

Nucleotide sequence changes in polyoma ts–a mutants: correlation with protein structure. Deininger PL, et al. **J Virol** 1981 Mar;37(3):871–5

Localization of three major cappe 5' ends of polyoma virus late mRNA's within a single tetranucleotide sequence in the viral genome. Flavell AJ, et al. **J Virol** 1980 Feb; 33(2):902–8

Polyoma virus minichromosomes: a soluble in vitro replication system. Gourlie BB, et al. **J Virol** 1981 Jun; 38(3):305–14

Polyoma virus minichromosomes: associated enzyme activities. Gourlie BB, et al. **J Virol** 1981 Jun;38(3):826–32

Partial amino–terminal sequences of the polyoma nonhistone proteins VP1, VP2, and VP3 synthesized in vitro. Hewick RM, et al. **J Virol** 1980 Feb;33(2):631–6

Expression of the gene for the polyoma small T antigen in Escherichia coli. Horwich A, et al. **J Virol** 1980 Oct; 36(1):125–32

Cloned human polyomavirus JC DNA can transform human amnion cells. Howley PM, et al. **J Virol** 1980 Dec; 36(3):878–82

Topography of the three late mRNA's of polyoma virus which encode the virion proteins. Kamen R, et al. **J Virol** 1980 Feb;33(2):637–51

Polyoma virus minichromosomes: associated DNA molecules. Krauss MR, et al. **J Virol** 1981 Jun;38(3):815–25

Arrangement of the genome of the human papovavirus RF virus. Pater A, et al. **J Virol** 1980 Nov;36(2):480–7

Distinct transformation phenotypes induced by polyoma virus and simian virus 40 in rat fibroblasts and their control by an early viral gene function. Perbal B, et al. **J Virol** 1980 Feb;33(2):697–707

Transformation phenotype of polyoma virus–transformed rat fibroblasts: plasminogen activator production is modulated by the growth state of the cells and regulated by the expression of an early viral gene function. Perbal B. **J Virol** 1980 Aug;35(2):420–7

Transformation of rat fibroblast cells with early mutants of polyoma (tsa) and simian virus 40 (tsA30): occurrence of either A or N transformants depends on the multiplicity of infection. Rassoulzadegan M, et al. **J Virol** 1980 Feb; 33(2):909–11

Analysis of JC virus DNA purified directly from human progressive multifocal leukoencephalopathy brains. Rentier–Delrue F, et al. **J Virol** 1981 May;38(2):761–9

DNA sequences of polyoma virus early deletion mutants. Smolar N, et al. **J Virol** 1981 Jun;38(3):958–67

Polyoma virus DNA: complete nucleotide sequence of the gene which codes for polyoma virus capsid protein VP1 and overlaps the VP2/VP3 genes. Soeda E, et al. **J Virol** 1980 Feb;33(2):619–30

Nucleotide sequence at polyoma VP1 mRNA splice sites. Srivatsan ES, et al. **J Virol** 1981 Jan;37(1):244–7

Free viral DNA in BK virus–induced hamster tumor cells. ter Schegget J, et al. **J Virol** 1980 Aug;35(2):331–9

Nucleotide sequence changes in polyoma virus A gene mutants. Thomas T, et al. **J Virol** 1981 Mar;37(3):1094–8

Organization of viral genome in a T antigen–negative hamster tumor induced by human papovavirus BK. Yogo Y, et al. **J Virol** 1981 May;38(2):556–63

Polyoma DNA sequences involved in control of viral gene expression in murine embryonal carcinoma cells. Katinka M, et al. **Nature** 1981 Apr 23;290(5808):720–2

Transformation of rat cells by an altered polyoma virus genome expressing only the middle–T protein. Treisman R, et al. **Nature** 1981 Aug 13;292(5824):595–600

The nucleotide sequence and restriction enzyme sites of the polyoma genome. Deninger PL, et al. **Nucleic Acids Res** 1980 Feb 25;8(4):855–60

Characterisation of polyoma late mRNA leader sequences by molecular cloning and DNA sequence analysis. Treisman R. **Nucleic Acids Res** 1980 Nov 11;8(21):4867–88

Amplification of integrated viral DNA sequences in polyoma virus–transformed cells. Colantuoni V, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):3850–4

Transformation of rat embryo fibroblasts by cloned polyoma virus DNA fragments containing only part of the early region. Hassell JA, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):3978–82

Coding capacity of a 35 percent fragment of the polyoma virus genome is sufficient to initiate and maintain cellular transformation. Novak U, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3278–82

Isolation and characterization of polyoma host range mutants that replicate in nullipotential embryonal carcinoma cells. Sekikawa K, et al. **Proc Natl Acad Sci USA** 1981 Feb; 78(2):1100–4

Polyoma virus: some considerations on its transforming genes. Griffin BE, et al. **Proc R Soc Lond [Biol]** 1980 Nov 19;210(1180):465–76

A mutation increasing the size of the polyoma virion proteins, VP2 and VP3. Eckhart W, et al. **Virology** 1981 Feb; 109(1):35–46

The arrangement of integrated viral DNA is different in BK virus–transformed mouse and hamster cells. Meneguzzi G, et al. **Virology** 1981 May;111(1):139–53

[A thermosensitive inhibitor of the replication of polyomavirus, an extract from BHK21 cells transformed by the Tsa mutant of this virus] Cramer R, et al. **C R Acad Sci [D] (Paris)** 1980 Oct 20;291(7):633–6 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

Association of polyoma T antigen and DNA with the nuclear matrix from lytically infected 3T6 cells. Buckler–White AJ, et al. **Cell** 1980 Nov;22(1 Pt 1):37–46

Identification of permissive and nonpermissive murine cells for polyoma virus. Roman A. **Intervirology** 1980; 14(2):109–13

Temperature dependent expression of polyoma virus in murine embryonal carcinoma cells. Dandolo L, et al. **J Cell Physiol** 1980 Oct;105(1):17–24

The effect of polyoma virus, serum factors, and dibutyryl cyclic AMP on dihydrofolate reductase synthesis, and the entry of quiescent cells into S phase. Gudewicz TM, et al. **J Cell Physiol** 1981 Jul;108(1):1–8

Plaque formation and purification of BK virus in cultured human urinary cells. Sack GH, et al. **J Gen Virol** 1980 Sep;50(1):185–9

Phenotypic transformation of the host cell enhances polyoma pseudovirion formation. Cashdollar LW, et al. **J Virol** 1980 Sep;35(3):895–901

Characterization of JC papovavirus adapted to growth in human embryonic kidney cells. Miyamura T, et al. **J Virol** 1980 Aug;35(2):498–504

Polyoma virus replication in BHK–21 cells: semi–permissiveness is due to cellular heterogeneity. Folk WR, et al. **Virology** 1981 May;111(1):165–72

Amplification of papovavirus defectives during serial low multiplicity infections. O'Neill FJ, et al. **Virology** 1981 Jul 30;112(2):800–3

Antioncogenic activity of influenza virus on polyoma virus induced renal and brain tumors in newborn Wistar rats. Noss G, et al. **Zentralbl Bakteriol [A]** 1980 Mar; 246(3):285–93

IMMUNOLOGY

Tumor antigen activity in viral DNA–protein complexes from cells productively infected with papovaviruses. Qureshi AA. **Acta Virol (Praha)** 1980 Jun;24(4):232–43

BK virus haemagglutinin in urine of a patient with BK virus infection [letter] Taguchi F, et al. **Acta Virol (Praha)** 1980 Mar;24(2):154

Immune response to polyoma tumor cells in mice. II. Antibody–dependent cell–mediated cytotoxicity with embryonic and polyoma specificity. Walia AS, et al. **Clin Immunol Immunopathol** 1980 Oct;17(2):264–73

Serological investigation of BK papovavirus infection in pregnant women and their offspring. Shah K, et al. **Infect Immun** 1980 Oct;30(1):29–35

Neutralizing antibodies to simian papovavirus SA12 in Old World primates in laboratory colonies: high prevalence in baboons. Braun L, et al. **J Med Primatol** 1980;9(4):240–6

Middle T antigen as primary inducer of full expression of the phenotype of transformation by polyoma virus. Ito Y, et al. **J Virol** 1980 Jul;35(1):219–32

Association of cellular 56,000– and 32,000–molecular–weight protein with BK virus and polyoma virus t–antigens. Rundell K, et al. **J Virol** 1981 Mar;37(3):1090–3

The tumor antigens and the early functions of polyoma virus. Türler H. **Mol Cell Biochem** 1980 Sep 15;32(2):63–93 (157 ref.)

Control of BK virus antibodies in contacts of patients under chronic hemodialysis or after renal transplantation (by an enzyme linked immunosorbent assay). Burguiere AM, et al. **Pathol Biol (Paris)** 1980 Oct;28(8):541–4

BK papovavirus immune complexes in glomerulonephritis. Donini U, et al. **Proc Eur Dial Transplant Assoc** 1980; 17:637–43

[Comparative induction of viral antigen synthesis in various types of cells infected by polyoma virus] de Micco C, et al. **C R Acad Sci [D] (Paris)** 1980 Sep 22;291(3):333–6 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

A possible bovine polyomavirus. Coackley W, et al. **Arch Virol** 1980;66(2):161–6

METABOLISM

Deoxyuridine triphosphate pools after polyoma virus infection. Nilsson S, et al. **J Biol Chem** 1980 Oct 25; 255(20):9552–5

Efficiency of processing of viral RNA during the early and late phases of productive infection by polyoma virus. Acheson NH. **J Virol** 1981 Feb;37(2):628–35

Increased rate of RNA synthesis: early reaction of primary mouse kidney cells to infection with polyoma virus of simian virus 40. Pöckl E, et al. **J Virol** 1980 Jul;35(1):8–19

Effect of sodium butyrate on induction of cellular and viral DNA syntheses in polyoma virus–infected mouse kidney cells. Wawra E, et al. **J Virol** 1981 Jun;38(3):973–81

Initiation of polyoma virus DNA replication in vitro and its dependence on the viral gene A protein. Clertant P, et al. **Nucleic Acids Res** 1980 Oct 10;8(19):4377–92

Electron microscopic demonstration of the presence of amplified sequences at the 5'–ends of the polyoma virus late mRNAs. Zuckermann M, et al. **Nucleic Acids Res** 1980 Apr 11;8(7):1505–19

PATHOGENICITY

Tumorigenicity of polyoma virus in hamsters. Israel MA, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):591–6

PHYSIOLOGY

Polyoma virus T antigens expressed in transformed cells: significance of middle T antigen in transformation. Ito Y, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):149–57

Induction of virus multiplication in permissive cells transformed by a temperature–sensitive polyoma virus. II. Survivors display a low incidence of viral genome excision and resistance to superinfection. Herring E, et al. **Intervirology** 1980;14(3–4):190–201

Induction of virus multiplication in permissive cells transformed by a temperature–sensitive polyoma virus. I. Isolation and partial characterization of survivors. Herring E, et al. **Intervirology** 1980;14(3–4):180–9

Differences in the subpopulations of the structural proteins of polyoma virions and capsids: biological functions of the multiple VP1 species. Bolen JB, et al. **J Virol** 1981 Jan; 37(1):80–91

Factors which disorganize microtubules or microfilaments increase the frequency of cell transformation by polyoma

virus. Seif R. **J Virol** 1980 Nov;36(2):421–8
Polyoma virus recognizes specific sialyligosaccharide receptors on host cells. Fried H, et al. **Virology** 1981 Feb; 109(1):188–92

POLYOXYETHYLENES see **POLYETHYLENE GLYCOLS**

POLYPEPTIDES see **PEPTIDES**

POLYPHLORETIN PHOSPHATE see under **PHLORETIN**

POLYPHOSPHATES

ADMINISTRATION & DOSAGE

Effect of coronary blood flow and site of injection on Tc-99m PPi detection of early canine myocardial infarcts. Parkey RW, et al. **J Nucl Med** 1981 Feb;22(2):133–7

ADVERSE EFFECTS

Histopathology of artificial caries-like lesions produced by lactate buffers with tripolyphosphate and diphosphonate additives. Mor BM, et al. **NZ Dent J** 1981 Apr; 77(348):57–61

ANALYSIS

Influence of S-adenosylmethionine on DAPI-induced fluorescence of polyphosphate in the yeast vacuole. Allan RA, et al. **Can J Microbiol** 1980 Aug;26(8):912–20

BIOSYNTHESIS

Pleiotropic effects of alkaline phosphatase regulatory mutations phoB and phoT on anaerobic growth of and polyphosphate synthesis in Escherichia coli. Zuckier G, et al. **J Bacteriol** 1980 Aug;143(2):934–41

DIAGNOSTIC USE

Numerical assessment of asymmetry at scintigraphy of normal joint pairs with (99)Tcm polyphosphate. Nørbjerg M, et al. **Acta Radiol [Diagn] (Stockh)** 1980;21(2A):235–8
Phospholipid alterations in canine ischemic myocardium. Temporal and topographical correlations with Tc-99m-PPi accumulation and an in vitro sarcolemmal Ca2+ permeability defect. Chien KR, et al. **Circ Res** 1981 May;48(5):711–9
Use of equilibrium (gated) radionuclide ventriculography to quantitate left ventricular output in patients with and without left-sided valvular regurgitation. Konstam MA, et al. **Circulation** 1981 Sep;64(3):578–85
Pancreatic uptake of 99Tc stannous pyrophosphate in experimental viral pancreatitis in mice. Matsumori A, et al. **Eur J Nucl Med** 1981 Apr;6(4):163–7
Determination of the optimal concentrations of stannous pyrophosphate for in vivo red blood cell labelling with technetium-99m. Billinghurst MW, et al. **Int J Appl Radiat Isot** 1980 Aug;31(8):499–504
The saga of scintigraphy in acute myocardial infarction. Bianco JA. **J Nucl Med** 1981 Aug;22(8):739–42 (45 ref.)
Simultaneous display of gated technetium-99m stannous pyrophosphate and gated blood-pool scintigrams. Corbett JR, et al. **J Nucl Med** 1981 Aug;22(8):671–7
Bone healing in rabbits after compression osteosynthesis, studied by Tc-99m(Sn)polyphosphate scintimetry and autoradiography. Greiff J. **J Nucl Med** 1981 Aug; 22(8):693–8
[Quantitative whole-body bone scintigraphy. II. Pharmacokinetics of osteotropic radiopharmaceuticals (author's transl)] Anger K, et al. **Nuklearmedizin** 1980 Jul; 19(3):97–107 (Eng. Abstr.) **(Ger)**
[Bone scintigraphy with 99Tcm polyphosphate in uremic osteodystrophy] Meneghello A, et al. **Radiol Med (Torino)** 1980 Oct;66(10):760–1 **(Ita)**

METABOLISM

Accumulation of pyrophosphate and other energy-rich phosphorous compounds under various conditions of yeast growth. Ermakova SA, et al. **Arch Microbiol** 1981 Feb; 128(4):394–7
Mutations affecting simultaneously the lysine and polyphosphates pools in the yeast Saccharomycopsis lipolytica. Beckerich JM, et al. **Biochem Biophys Res Commun** 1981 Jun 16;100(3):1292–8
31P NMR studies of metabolism in Acanthamoeba castellanii: polyphosphate release from encysted cells. Deslauriers R, et al. **Biochem Biophys Res Commun** 1980 Aug 14; 95(3):1211–7
Polyphosphate binding interactions with bovine serum albumin in protein-polyphosphate precipitates. Vandegrift V, et al. **J Agric Food Chem** 1981 May-Jun;29(3):536–9
Ammonium polyphosphate as a source of phosphorus and nonprotein nitrogen for monogastrics. Clawson AJ, et al. **J Anim Sci** 1981 Jan;52(1):1–7
Levels of acid-soluble polyphosphate in growing cultures of Saccharomyces cerevisiae. Solimene R, et al. **J Bacteriol** 1980 Aug;143(2):710–4
X-ray microanalysis of leakage from polyphosphate granules in Scenedesmus. Tillberg JE, et al. **J Ultrastruct Res** 1980 Sep;72(3):316–24
Detection of polyphosphates and enzymes of polyphosphate metabolism in Bdellovibrio bacteriovorus. Bobyk MA, et al. **Zentralbl Bakteriol [Naturwiss]** 1980;135(6):461–6

PHARMACODYNAMICS

Influence of sodium, calcium and magnesium trimetaphosphates on dental caries activity in the rat. Shaw JH. **J Dent Res** 1980 Mar;59(3):644–50

POLYPLOIDY

Changes in polyploidization of exocrine pancreas in db/db diabetic and normal mice. White JW, et al. **Acta Endocrinol (Copenh)** 1980 Aug;94(4):523–8
Live-born triploid. Fraikor AL, et al. **Am J Dis Child** 1980 Oct;134(10):988–9
Cytologic and genetic features of mammalian cultured cells adapted to hypertonic medium. Fuhrman Conti AM. **Basic Appl Histochem** 1979;23 Suppl:51–7
Are CNS neurons polyploid? A critical analysis based upon cytophotometric study of the DNA content of cerebellar and olfactory bulbar neurons of the bat. Swartz FJ, et al. **Brain Res** 1981 Mar 16;208(2):267–81
Linkage of adult alpha- and beta-globin genes in X. laevis and gene duplication by tetraploidization. Jeffreys AJ, et al. **Cell** 1980 Sep;21(2):555–64
Mitotic polyploidization of mouse heart myocytes during the first postnatal week. Brodsky WY, et al. **Cell Tissue Res** 1980;210(1):133–44
Polyploidy in the australian leptodactylid frog genus Neobatrachus. Mahony MJ, et al. **Chromosoma** 1980; 81(2):199–212
Nucleolar organizer regions and constitutive heterochromatin in polyploid species of the genus Odontophrynus (Amphibia, Anura). Ruiz IR, et al. **Cytogenet Cell Genet** 1981;29(2):84–98
Juvenile hormone-stimulated polyploidy in adult locust fat body. Nair KK, et al. **Dev Biol** 1981 Jan 30;81(2):356–60
Aging of chick embryo fibroblasts in vitro. V. Time course studies on polyploid nucleus accumulation. Kaji K, et al. **Exp Cell Res** 1981 Feb;131(2):410–2
Aging of chick embryo fibroblasts in vitro—VI. Different aging patterns of population doubling rate and polyploidization. Matsuo M, et al. **Exp Gerontol** 1981; 16(1):25–30
A hypotriploid stemline with 4 Ph1 chromosomes in erythroleukemic blast crisis of a CML-patient with a long survival time. Hjorth M, et al. **Hereditas** 1980;93(2):333–6
Polyploidy in islets of normal and diabetic humans. Pohl MN, et al. **Hum Pathol** 1981 Feb;12(2):184–6
Decreased density in membrane localized macromolecules in cells enlarged after X-irradiation or polyploidization. Killander D, et al. **Immunobiology** 1980 Jul;157(2):179–89
Karyotype analysis of the plant-parasitic nematode Heterodera glycines by electron microscopy. II. The tetraploid and an aneuploid hybrid. Goldstein P, et al. **J Cell Sci** 1980 Jun;43:225–37
Polyploidization of extraembryonic tissues during mouse embryogenesis. Ilgren EB. **J Embryol Exp Morphol** 1980 Oct;59:103–11
Pathologic features of the eye in triploidy. Ginsberg J, et al. **J Pediatr Ophthalmol Strabismus** 1981 Jul-Aug; 18(4):48–55
Chromosome synapsis in hexaploids. Callow RS, et al. **J Theor Biol** 1980 Dec 21;87(4):703–22
Triploidy in 40 human spontaneous abortuses: assessment of phenotype in embryos. Harris MJ, et al. **Obstet Gynecol** 1981 May;57(5):600–6
Diploid-triploid mixoploidy: clinical and cytogenetic aspects. Graham JM Jr, et al. **Pediatrics** 1981 Jul;68(1):23–8
Manufacture of diploid/tetraploid chimeric mice. Lu TY, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):6012–6
HLA study in a live-born infant with triploidy of paternal origin. Klouda PT, et al. **Tissue Antigens** 1981 Feb; 17(2):240–2
[Triploidy in a live-born infant] Holmskov A, et al. **Ugeskr Laeger** 1981 Feb 16;143(8):486–8 (Eng. Abstr.) **(Dan)**
[Prenatal and postnatal diagnosis of triploidy in man (author's transl)] Faber G, et al. **Zentralbl Gynaekol** 1980; 102(4):239–43 (Eng. Abstr.) **(Ger)**
[In vitro development of cytochalasin B induced tetraploid and diploid/tetraploid rabbit embryos before implantation] Meinecke-Tillmann S, et al. **Zentralbl Veterinaermed [A]** 1980 Feb;27(1):65–9 (Eng. Abstr.) **(Ger)**
[Polyploidization of mouse hepatocytes following repeated exposure to carbon tetrachloride] Faktor VM, et al. **Biull Eksp Biol Med** 1980 Nov;90(11):614–6 (Eng. Abstr.) **(Rus)**
[Tetraploidy in the epithelial cells of monkey kidneys subjected to exposure to various radiation dosages in vitro and in vivo. III] Machavariani MG. **Tsitol Genet** 1979 Nov-Dec;13(6):446–51 (Eng. Abstr.) **(Rus)**
[Electron microscopic study of the endopolyploid nuclei of the giant cells of the rat trophoblast. I. The ultrastructure of polytene chromosomes and their activity products at different stages of the endoreplicative cycle] Zybina EV. **Tsitologiia** 1980 Nov;22(11):1284–9 (Eng. Abstr.) **(Rus)**
[Electron microscopic study of the endopolyploid nuclei in the giant cells of the rat trophoblast. II. An ultrastructural change in the polytene nucleus in the course of differentiation] Zybina EV. **Tsitologiia** 1980 Dec; 22(12):1379–86 (Eng. Abstr.) **(Rus)**

POLYPORACEAE see under **BASIDIOMYCETES**

POLYPROPYLENES see under **PLASTICS**

POLYPS

A canine model of gastric and colonic polyps. Sievert CE Jr, et al. **Gastrointest Endosc** 1981 Feb;27(1):12–6
Anterior urethral polyps. Foster RS, et al. **J Urol** 1980 Jul; 124(1):145–6

ANALYSIS

The occurrence of multiple steroid hormone receptors in disease-free and neoplastic human ovary. Galli MC, et al. **Cancer** 1981 Mar 15;47(6):1297–302

COMPLICATIONS

Gastroesophageal polyp as a cause of hematemesis in adolescence. Branski D, et al. **Am J Gastroenterol** 1980 May;73(5):448–50
Pseudoxanthoma elasticum and polyposis coli: a novel co-mutation. O'Holleran M, et al. **Arch Surg** 1981 Apr; 116(4):476–7
Tubal intramural polyps and their relationship to infertility. David MP, et al. **Fertil Steril** 1981 May;35(5):526–31
Cronkhite Canada syndrome: report of a case with spontaneous recovery. Viranuvatti V, et al. **J Med Assoc Thai** 1981 May;64(5):261–6
Anterior urethral polyps: an unusual cause of hematuria in a child. Falkowski WS, et al. **J Urol** 1981 May;125(5):744–5
Solitary hepatic cyst and benign bile duct polyp: a heretofore unheralded association. Austin EH, et al. **Surgery** 1981 Mar; 89(3):359–63
[Association of gastric polyposis and subacute endocarditis due to streptococcus bovis (letter)] Faveret C, et al. **Nouv Presse Med** 1979 Jan 20;8(3):216 **(Fre)**
[The invasiveness of cervix polyps] Eipper H, et al. **Z Aerztl Fortbild (Jena)** 1979 Oct 1;73(19-20):903–5 **(Ger)**
[Gastric polyp as a cause of pyloric obstruction] Lazarkiewicz B, et al. **Wiad Lek** 1980 Aug 15;33(16):1335–7 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Epidemiology, pathogenesis, diagnosis and treatment of benign gastric tumours. Rösch W. **Front Gastrointest Res** 1980;6:167–84 (61 ref.)
Upper gastro-intestinal polyps — an endoscopic study. Raftery MJ, et al. **Ir Med J** 1981 Feb;74(2):63–5
Sonography of polypoid gastric lesions by the fluid-filled stomach method. Kremer H, et al. **JCU** 1981 Feb;9(2):51–4
[Stomach polyps. Clinical and therapeutic considerations] Briccoli A, et al. **Minerva Chir** 1981 Jul 15–31; 36(13–14):905–28 (23 ref.) (Eng. Abstr.) **(Ita)**
[Adenomatous polyp of the gallbladder] Lazarkiewicz B, et al. **Pol Tyg Lek** 1980 May 19;35(20):750–52 (Eng. Abstr.) **(Pol)**
[Importance of combined esophagogastroduodenoscopy in the diagnosis of stomach cancer and polyposis] Rychagov GP. **Vestn Khir** 1981;126(5):87–90 **(Rus)**
[Assessment of endoscopic, cytological and histological diagnostic methods in stomach polyps] Erokhin PG, et al. **Vopr Onkol** 1980;26(10):47–51 (Eng. Abstr.) **(Rus)**

ETIOLOGY

The reflux gastroesophageal polyp. Rabin MS, et al. **Am J Gastroenterol** 1980 May;73(5):451–2
Epidemiology and pathogenesis of gastric cancer. Kawai K, et al. **Front Gastrointest Res** 1980;6:71–86 (59 ref.)
Gastric and duodenal polyps in familial polyposis coli. Ranzi T, et al. **Gut** 1981 May;22(5):363–7
Operation-sequel carcinoma--an experimental study. Langhans P, et al. **Hepatogastroenterology** 1981 Feb; 28(1):34–7
[Fundus glandular polyps in familial adenomatous recto-colic polyposis. A new anatomo-clinical entity (letter)] Rampal P, et al. **Nouv Presse Med** 1979 Jan 6;8(1):42 **(Fre)**
[Gastric polyps (an etiopathogenetic and endoscopic contribution)] Miscusi GD, et al. **Ann Ital Chir** 1979; 51(2):193–203 **(Ita)**

FAMILIAL & GENETIC

Familial gastric polyposis. A new entity. dos Santos JG, et al. **J Genet Hum** 1980 Sep;28(3):293–7

IMMUNOLOGY

[Changes in the humoral immunity system in gastric polyps] Kamenets LIa, et al. **Ter Arkh** 1980;52(11):84–6 (Eng. Abstr.) **(Rus)**
[Characteristics of cellular immunity in the surgical treatment of precancerous and malignant stomach diseases] Kukosh VI, et al. **Vestn Khir** 1980 Jun;124(6):37–40 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Polypoid melanoma, a virulent variant of the nodular growth pattern. Manci EA, et al. **Am J Clin Pathol** 1981 Jun; 75(6):810–5
Histoclinical long-standing follow-up study of hyperplastic

polyps of the stomach. Kamiya T, et al. **Am J Gastroenterol** 1981 Apr;75(4):275–81

Gastric polyps and gastric carcinoma. Laxén F. **Ann Clin Res** 1981 Jun;13(3):154–5

Squamous cell carcinoma in an esophageal polyp. Petry JJ, et al. **Arch Otolaryngol** 1981 Mar;107(3):192–3

Pseudo-sarcomatous polyps of the vagina in pregnancy. Case report. Davies SW, et al. **Br J Obstet Gynaecol** 1981 May; 88(5):566–8

Polyps of the vagina: a clinicopathologic study of 18 cases. Chirayil SJ, et al. **Cancer** 1981 Jun 15;47(12):2904–7

Spontaneous disappearance of fundic gland polyposis: report of three cases. Iida M, et al. **Gastroenterology** 1980 Oct; 79(4):725–8

Toward the control of colon cancer. Vanneman WM Jr. **Geriatrics** 1980 Sep;35(9):51–3, 57–8, 63

Vaginal rhabdomyoma. Chabrel CM, et al. **Histopathology** 1980 Nov;4(6):645–51

Involvement of the digestive tract in Cowden's disease. Ortonne JP, et al. **Int J Dermatol** 1980 Dec;19(10):570–6

Vocal cord polyps: incidence, histology and pathogenesis. Kambič V, et al. **J Laryngol Otol** 1981 Jun;95(6):609–18

Prostatic urethral polyps in adults: histopathologic variations and clinical manifestations. Goldstein AM, et al. **J Urol** 1981 Jul;126(1):129–31

[A clinico-pathologic study of gastric polyp. An analysis of 24 cases (author's transl)] Liu QX, et al. **Chung Hua Chung Liu Tsa Chih** 1980;2(2):107–11 **(Chi)**

[Papillary and adenomatous polyps of the gallbladder. Clinical, radiological, and anatomical study, and report on 6 cases (author's transl)] Arnaud JP, et al. **J Radiol** 1980 Feb;61(2):101–5 (31 ref.) (Eng. Abstr.) **(Fre)**

[Polyps of the gastric stump (author's transl)] Dirschmid K, et al. **Leben Magen Darm** 1981 Jun;11(3):136–8 (Eng. Abstr.) **(Ger)**

[Epithelial polyps and glandular system of the gastric mucosa. Examination of 352 polyps and literature review] Remmele W, et al. **Pathologe** 1979 Nov;1(1):25–39 **(Ger)**

[Gastric hamartoma with mucous glands and with appearance of a pedunculate polyp of the body (author's transl)] Testone G, et al. **Chir Ital** 1981 Feb;33(1):244–50 **(Ita)**

[Polyps and gastric cancer. Experience in 133 cases] Cunsolo A, et al. **Minerva Chir** 1981 May 31;36(10):691–4 **(Ita)**

[A case of gastric carcinoid] Delgrossi S, et al. **Minerva Med** 1981 May 7;72(18):1153–6 **(Ita)**

[Microglandular hyperplasia of the cervix: reevaluation of the polyp (author's transl)] Jobo T, et al. **Acta Obstet Gynaecol Jpn** 1981 May;33(5):651–8 (Eng. Abstr.) **(Jpn)**

[A Long-term Follow-up study of gastric polyps. II. Change in macroscopic and histological appearance of hyperplastic polyps and adenomas (author's transl)] Sakamoto K. **Fukuoka Igaku Zasshi** 1980 Oct;71(10):558–73 (Eng. Abstr.) **(Jpn)**

[A Long-term Follow-up study of gastric polyps. I. Frequency of cancerous change in gastric polyps (author's transl)] Sakamoto K. **Fukuoka Igaku Zasshi** 1980 Oct; 71(10):547–57 (Eng. Abstr.) **(Jpn)**

[Pathological endometrial growths] Pietrzak K, et al. **Ginekol Pol** 1981;52(4):345–8 (Eng. Abstr.) **(Pol)**

[Pathomorphology of gastric polyps] Aruin LI. **Arkh Patol** 1981;43(3):52–60 (Eng. Abstr.) **(Rus)**

[Polyposis of the gallbladder] Savvina TV, et al. **Arkh Patol** 1981;43(4):74–7 (Eng. Abstr.) **(Rus)**

[Hyperplastic adenomatous polyps of the stomach] Costero C. **Rev Gastroenterol Mex** 1980 Oct–Dec;45(4):175–85 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

A fibrovascular polyp of the oesophagus. Barki Y, et al. **Br J Radiol** 1981 Feb;54(638):142–4

Radiological findings in multiple hamartoma syndrome (Cowden disease): a report of three cases. Hauser H, et al. **Radiology** 1980 Nov;137(2):317–23

[A special type of hyperplastic polyps of the stomach (author's transl)] Saida Y. **ROEFO** 1981 Mar;134(3):301–4 (Eng. Abstr.) **(Ger)**

[Case of polyps of the duodenal bulb and stomach] Kazakov AV. **Vestn Rentgenol Radiol** 1980 Sep–Oct;(5):85–6 **(Rus)**

SURGERY

Persistent hoarseness after surgical removal of vocal cord lesions. Baker BM, et al. **Arch Otolaryngol** 1981 Mar; 107(3):148–51

Inflammatory ureteric polyp associated with analgesic nephropathy. Splatt DA, et al. **Aust NZ J Surg** 1981 Feb; 51(1):81–3

Results of endoscopic polypectomy in the gastrointestinal tract. Deyhle P. **Endoscopy** 1980;(Suppl):35–46

Endoscopic therapy of premalignant and malignant changes in the stomach. Koch H. **Endoscopy** 1981 Jul;13(4):148–51

Microsurgical resection of bilateral fallopian tube polyps. Stangel JJ, et al. **Fertil Steril** 1981 May;35(5):580–2

The umbilical polyp. Kutin ND, et al. **J Pediatr Surg** 1979 Dec;14(6):741–4

Vocal symptomatology of postoperative dysphonia. Wolfe VI, et al. **Laryngoscope** 1981 Apr;91(4):635–43

Endoscopic gastric polypectomies. ReMine SG, et al. **Mayo Clin Proc** 1981 Jun;56(6):371–5

Pneumococcal septicaemia after endoscopic gastric polypectomy [letter] Graham JR. **Med J Aust** 1980 Oct 18;2(8):457–8

Flamingo forceps for use in microscopic antrostomy. Dixon HS. **Otolaryngol Head Neck Surg** 1981 Mar–Apr; 89(2):189–91

Transnasal ethmoidectomy under endoscopical control. Wigand ME. **Rhinology** 1981 Mar;19(1):7–15

[Benign angiomatous pediculated tumour of the oesophagus. Treatment via endoscopy (author's transl)] Lallemant Y, et al. **Ann Otolaryngol Chir Cervicofac** 1980 Oct–Nov; 97(10–11):917–22 (Eng. Abstr.) **(Fre)**

[endoscopic removal of gastric polyps] Hoff G, et al. **Tidsskr Nor Laegeforen** 1980 Oct 10;100(28):1673–6 (Eng. Abstr.) **(Nor)**

[Surgical treatment of mediastinal tumors] Coman C, et al. **Rev Chir [Chir]** 1981 Jan–Feb;30(1):51–5 (Eng. Abstr.) **(Rum)**

[polyposis of the uterine cervix] Todorov S. **Jugosl Ginekol Opstet** 1980 May–Aug;19(3–4):183–6 (Eng. Abstr.) **(Ser)**

[Endoscopic polypectomy of the upper organs of the digestive system (author's transl)] Petö S. **Lijec Vjesn** 1980 May;102(5):258–60 (Eng. Abstr.) **(Scr)**

[Endoscopic resection of polypoid lesions of the gastrointestinal tract (author's transl)] Acuña R, et al. **Rev Med Chil** 1980 Aug;108(8):707–11 (Eng. Abstr.) **(Spa)**

THERAPY

Voice therapy for vocal nodules and vocal polyps. Barnes JE. **Rev Laryngol Otol Rhinol (Bord)** 1981 Mar–Apr; 102(3–4):99–103

ULTRASTRUCTURE

[Polypoid pseudosarcomatous carcinoma. Histogenesis with evidence of myofibroblastic response (author's tranls)] Lagacé R, et al. **Ann Pathol** 1981;1(1):27–37 (Eng. Abstr.) **(Fre)**

POLYRADICULITIS

COMPLICATIONS

[Multiple neurotrophic arthropathies resulting from polyradiculo-myelitis (author's transl)] Fried K, et al. **ROEFO** 1980 Apr;132(4):447–9 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Inflammatory demyelinating polyradiculitis in a patient with multiple sclerosis. Lassmann H, et al. **Arch Neurol** 1981 Feb;38(2):99–102

POLYRADICULONEURITIS

[Clinical analysis of acute polyradiculoneuritis (a report of 514 cases) (author's transl)] Zhang ZL. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1979; 12(1):17–21 **(Chi)**

[Guillain-Barré syndrome and pregnancy] Joensen P. **Ugeskr Laeger** 1981 Feb 2;143(6):349–50 (Eng. Abstr.) **(Dan)**

BLOOD

Lymphocyte subpopulations in Guillain-Barre syndrome. Gore MM, et al. **Indian J Med Res** 1980 Dec;72:864–7

Effects in vitro of serum from patients with Landry-Guillain-Barré syndrome of alcoholic peripheral neuropathy on outgrowth of rat dorsal root ganglia. Armati-Gulson PJ. **J Neuropathol Exp Neurol** 1980 Nov; 39(6):632–8

CEREBROSPINAL FLUID

Abnormalities of cerebrospinal fluid amino acids in patients with the Guillain-Barré syndrome. Corston RN, et al. **J Neurol Neurosurg Psychiatry** 1981 Jan;44(1):86–9

CHEMICALLY INDUCED

Unusual effects of metrizamide lumbar myelography. Constellation of aseptic meningitis, arachnoiditis, communicating hydrocephalus, and Guillaine-Barré syndrome. Kelley RE, et al. **Arch Neurol** 1980 Sep; 37(9):588–9

[Recurrent polyradiculoneuritis. Possible role of carbimazole] Mikol F, et al. **Rev Neurol (Paris)** 1979;135(11):835–7 **(Fre)**

[Polyneuritis after use of perhexiline maleate: quantimetric and ultrastructural study (author's transl)] Pagès M, et al. **Sem Hop Paris** 1980 Nov 18–25;56(43–44):1857–60 (Eng. Abstr.) **(Fre)**

[Polyradiculoneuropathy due to paraquat: A case report (author's transl)] Nakamura H, et al. **Rinsho Shinkeigaku** 1980 Nov;20(11):945–50 (Eng. Abstr.) **(Jpn)**

CLASSIFICATION

Clinical aspects of Guillian-Barré syndrome: a review. Swash M. **J R Soc Med** 1979 Sep;72(9):670–3

COMPLICATIONS

Guillain-Barré syndrome complicating acute hepatitis B. A case with detailed electrophysiological and immunological studies. Berger JR, et al. **Arch Neurol** 1981 Jun;38(6):366–8

Papilledema in Guillain-Barré syndrome. A case report. Farrell K, et al. **Arch Neurol** 1981 Jan;38(1):55–7

Heart rate variations in the Guillain-Barré syndrome [letter] Frisón JC. **Br Med J** 1980 Dec 13;281(6255):1641–2

Pathogenesis of papilloedema and raised intracranial pressure in Guillain-Barré syndrome. Reid AC, et al. **Br Med J** 1980 Nov 22;281(6252):1393–4

Heart rate variations in the Guillain-Barré syndrome [letter] Smith SA, et al. **Br Med J** 1980 Oct 11;281(6246):1009

Papilloedema in the Landry-Guillain-Barré-Strohl syndrome. Behan PO, et al. **Eur Neurol** 1981;20(1):62–3

Acute viral hepatitis with Guillain Barre syndrome (a case report). Kakrani AL, et al. **J Assoc Physicians India** 1980 Dec;28(12):539–41

Endotracheal intubation in Guillain-Barré syndrome [letter] Beer SI, et al. **JAMA** 1980 Dec 19;244(24):2728

Normal pressure hydrocephalus; associated with Guillain-Barré syndrome. Kereschi S, et al. **NY State J Med** 1981 Aug;81(9):1361–3

Ventilatory failure in the Guillain-Barré syndrome. Massam M, et al. **Thorax** 1980 Jul;35(7):557–8

[Polyradiculoneuritis and myasthenia gravis (author's transl) (letter)] Bourouresques G, et al. **Nouv Presse Med** 1981 Jan 31;10(4):253–4 (Eng. Abstr.) **(Fre)**

[Extramembraneous glomerulonephritis associated with the Landry, Guillain, Barré syndrome (letter)] Carli P, et al. **Nouv Presse Med** 1980 Sep 13;9(32):2256 **(Fre)**

[Polyradiculopathy associated with bullous pemphigoid (author's transl)] Goulon M, et al. **Nouv Presse Med** 1979 Jan 27;8(5):335–7 (Eng. Abstr.) **(Fre)**

[Ocular flutter in acute polyradiculoneuritis (letter)] Pepin B, et al. **Nouv Presse Med** 1981 Apr 18;10(17):1419 **(Fre)**

[Polyradiculonevritis, Bacteroides fragilis septicemia and peritonitis in a case of systemic lupus erythematosus (author's transl)] Rozen D, et al. **Rev Med Brux** 1980 Jun; 1(6):395–8 (Eng. Abstr.) **(Fre)**

[Papilledema in Guillain-Barré syndrome] Bekény G. **Orv Hetil** 1980 May 18;121(20):1191–3 **(Hun)**

[An unusual form of myotonia-like phenomenon associated with the lesions of cervical cord or roots (author's transl)] Chida T, et al. **Rinsho Shinkeigaku** 1981 Jan;21(1):1–6 (Eng. Abstr.) **(Jpn)**

[Respiratory insufficiency in acute polyradiculoneuritis and polyneuropathies and the results of treatment with prolonged artificial pulmonary ventilation] Oganesian ShS. **Anesteziol Reanimatol** 1980 Sep–Oct;(5):46–9 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Diagnostic considerations in Guillain-Barré syndrome. Asbury AK. **Ann Neurol** 1981;9 Suppl:1–5

Chronic relapsing (dysimmune) polyneuropathy: pathogenesis and treatment. Dalakas MC, et al. **Ann Neurol** 1981;9 Suppl:134–45

Chronic relapsing polyneuritis associated with pregnancy [letter] Jones MW, et al. **Ann Neurol** 1981 Apr;9(4):413

Guillain-Barré syndrome presenting with signs of ophthalmoplegia. Hakamada S, et al. **Brain Dev** 1980; 2(4):407–9

Guillain-Barré Syndrome: incidence, management and outcome of major complications. Moore P, et al. **Crit Care Med** 1981 Jul;9(7):549–55

Electrophysiological diagnosis of polyneuropathy of demyelination type. Part I. Electrophysiological features of primarily demyelinative polyneuropathy – results of examination in the acute and residual period of the Guillain-Barré syndrome. Niewiadomska M, et al. **Electromyogr Clin Neurophysiol** 1981 Apr–May; 21(4):387–401

Electrophysiological diagnosis of polyneuropathy of demyelination type. Part II. The pathomechanism of clinical-electrophysiological symptoms in the Guillain-Barré syndrome. Wochnik-Dyjas D, et al. **Electromyogr Clin Neurophysiol** 1981 Apr–May; 21(4):403–18

The sural sensory action potential in Guillain-Barré syndrome [letter] Murray NM, et al. **Muscle Nerve** 1980 Sep–Oct;3(5):444

The Landry-Guillain-Barré syndrome the problem of establishing the right diagnosis. Obiako MN. **Practitioner** 1980 Dec;224(1350):1293–6

[The prognostic significance of electromyographic and electroneurographic results in Landry-Guillain-Barré-Strohl polyradiculoneuritis] Reichel G, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 May;33(5):281–9 (Eng. Abstr.) **(Ger)**

[Cranial nerve involvement in the Landry-Guillain-Barré syndrome] Blundo C, et al. **Riv Neurobiol** 1979 Apr–Jun; 25(2):244–55 (Eng. Abstr.) **(Ita)**

[Acute polyradiculoneuritis in infancy] Mongia L, et al. **Riv Neurobiol** 1979 Apr–Jun;25(2):158–69 **(Ita)**

[Selected clinical problems in Guillain-Barré syndrome] Pilkowska E. **Neurol Neurochir Pol** 1981 Jan–Feb; 15(1):31–7 (Eng. Abstr.) **(Pol)**

[Guillain-Barré syndrome simulating hernia of lumbar disc. Report of a case] Festugato RR, et al.

Arq Neuropsiquiatr 1980 Jun;38(2):187–9 (Eng. Abstr.) **(Por)**

[Primary polyradiculoneuritis (course, outcome, work capacity of the patients)] Makkaveĭskiĭ PA, et al. **Zh Nevropatol Psikhiatr** 1981;81(4):514–9 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Cyclophosphamide in Landry–Guillain–Barré syndrome. Ahuja GK, et al. **Acta Neurol (Napoli)** 1980 Jun; 35(3):186–90

Treatment of acute inflammatory polyneuropathy. Hughes RA, et al. **Ann Neurol** 1981;9 Suppl:125–33

[Corticosteroids in polyradiculoneuritis therapy in childhood] Vranješević D, et al. **Neurologija** 1979;27(1–4):233–44 (Eng. Abstr.) **(Scr)**

ENZYMOLOGY

Raised plasma renin activity in the hypertension of the Guillain–Barré syndrome. Laufer J, et al. **Br Med J [Clin Res]** 1981 Apr 18;282(6272):1272–3

ETIOLOGY

Neurological disease associated with Mycoplasma pneumoniae pneumonitis: demonstration of viable Mycoplasma pneumoniae in cerebrospinal fluid and blood by radioisotopic and immunofluorescent tissue culture techniques. Bayer AS, et al. **Ann Intern Med** 1981 Jan; 94(1):15–20

Guillain–Barré–like Polyneuropathy after renal transplant: possible association with cytomegalovirus infection. Bale JF Jr, et al. **Arch Neurol** 1980 Dec;37(12):784

P. vivax malaria complicated by peripheral neuropathy with electrophysiological studies. Padmini R, et al. **J Assoc Physicians India** 1980 May–Jun;28(5–6):152–6

Guillain–Barré syndrome: the swine influenza virus vaccine incident in the United States of America, 1976–77: preliminary communication. Langmuir AD. **J R Soc Med** 1979 Sep;72(9):660–9

Landry–Guillain–Barré syndrome following influenza A/New Jersey/76 vaccine: case report. Postic B, et al. **Milit Med** 1980 Aug;145(8):561–2

Guillain–Barré syndrome and the 1978–1979 influenza vaccine. Hurwitz ES, et al. **N Engl J Med** 1981 Jun 25; 304(26):1557–61

Guillain–Barré syndrome; association with mumps. Pollack S, et al. **NY State J Med** 1981 Apr;81(5):795–7

Guillain–Barré syndrome after vaccination with human diploid cell rabies vaccine. Bøe E, et al. **Scand J Infect Dis** 1980;12(3):231–2

[A case of post–hepatitic Guillain–Barré–Strohl syndrome with extension to all pairs of cranial nerves and late papilledema. Review of recent literature (author's transl)] Vanderheyden JE, et al. **Acta Neurol Belg** 1980 Jul–Aug; 80(4):235–49 (Eng. Abstr.) **(Fre)**

[Guillain–Barré syndrome and varicella (letter)] Lejeune B, et al. **Arch Fr Pediatr** 1981 Feb;38(2):139 **(Fre)**

[Polyradiculoneuritis associated with plasmocytoma. Recovery following radiotherapy (author's transl)] Bousser MG, et al. **Nouv Presse Med** 1981 Jan 24;10(3):157–60 (Eng. Abstr.) **(Fre)**

[Toxoplasma, a possible new agent of Guillain Barré's polyradiculoneuritis (letter)] Lavaud J, et al. **Nouv Presse Med** 1979 Jan 13;8(2):131 **(Fre)**

[Chronic polyradiculitis with cutaneous and endocrine signs suggesting a plasmocytic dyscrasia to IgA (author's transl)] Trillet M, et al. **Rev Neurol (Paris)** 1980;136(3):247–58 (Eng. Abstr.) **(Fre)**

[Guillain–Barré syndrome following measles (author's transl] Guérin JM, et al. **Sem Hop Paris** 1981 Jun 18–25; 57(25–28):1215–6 (Eng. Abstr.) **(Fre)**

[The metastatic meningoradiculitis. An exceptional detection of a gastric cancer. Review of the literature about one case (author's transl)] Pissas A, et al. **Sem Hop Paris** 1981 Jun 18–25;57(25–28):1185–91 (Eng. Abstr.) **(Fre)**

[Guillain–Barré syndrome as a manifestation of systemic lupus erythematosus. Report of a case] Moreira Filho PF, et al. **Arq Neuropsiquiatr** 1980 Jun;38(2):165–70 (Eng. Abstr.) **(Por)**

[Neonatal Landry–Guillain–Barré–Strohl syndrome] Contreras Cortés G, et al. **Bol Med Hosp Infant Mex** 1981 Mar–Apr;38(2):323–9 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Soluble immune complexes in cerebrospinal fluid of patients with multiple sclerosis and other neurological diseases. Glikmann G, et al. **Acta Neurol Scand** 1980 Jun; 61(6):333–43

Marek's disease as a model for the Landry–Guillain–Barré syndrome: latent viral infection in nonneuronal cells accompanied by specific immune responses to peripheral nerve and myelin. Pepose JS, et al. **Am J Pathol** 1981 May; 103(2):309–20

A case of Guillain–Barré syndrome with immunologic abnormalities. Froelich CJ, et al. **Ann Intern Med** 1980 Oct; 93(4):563–5

the role of autoantibody and immune complexes in the pathogenesis of Guillain–Barré syndrome. Cook SD, et al. **Ann Neurol** 1981;9 Suppl:70–9

Role of infection in Guillain–Barré syndrome: laboratory confirmation of herpesviruses in 41 cases. Dowling PC, et al. **Ann Neurol** 1981;9 Suppl:44–55

Immunological characterization of sural nerve biopsies from patients with Guillain–Barré syndrome. Nyland H, et al. **Ann Neurol** 1981;9 Suppl:80–6

Experimental allergic neuritis induced by galactocerebroside. Saida T, et al. **Ann Neurol** 1981;9 Suppl:87–101

Antibody response to cytomegalovirus: a comparison between adult patients with neurological disease and uncomplicated infection. Granström M, et al. **J Med Virol** 1981;7(2):127–34

Lymphocytotoxic antibodies in Guillain–Barré syndrome [letter] Searles RP, et al. **Lancet** 1981 Jan 31;1(8214):273

Guillain–Barré syndrome; results of direct immunofluorescent study. Ammoumi AA, et al. **NY State J Med** 1980 Aug;80(9):1434–5

[The Guillain–Barré–Strohl syndrome] de Jager AE. **Ned Tijdschr Geneeskd** 1980 Jul 19;124(29):1187–92 (Eng. Abstr.) **(Dut)**

MORTALITY

Fatal Guillain–Barré syndrome after the national influenza immunization program. Keenlyside RA, et al. **Neurology (NY)** 1980 Sep;30(9):929–33

NURSING

Guillain–Barré syndrome: a framework for nursing care. Mills N, et al. **Nurs Clin North Am** 1980 Jun;15(2):257–64

OCCURRENCE

Acute polyradiculitis (Guillain–Barré syndrome): an epidemiological study of 156 cases observed in Beijing. Baoxun Z, et al. **Ann Neurol** 1981;9 Suppl:146–8

Guillain–Barré syndrome: its epidemiology and associations with influenza vaccination. Schonberger LB, et al. **Ann Neurol** 1981;9 Suppl:31–8

PATHOLOGY

Ultrastructural study of peripheral nerve in Guillain–Barré syndrome presence of mononuclear cells in axons. Brechenmacher C, et al. **Acta Neuropathol [Suppl] (Berl)** 1981;7:249–51

Pathology of the Guillain–Barré syndrome. Prineas JW. **Ann Neurol** 1981;9 Suppl:6–19

Marek's disease: a natural model for the Landry–Guillain–Barré syndrome. Stevens JG, et al. **Ann Neurol** 1981;9 Suppl:102–6

[Pathological features of acute polyradiculoneuritis (author's transl)] Guo YP. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1979; 12(1):22–5 **(Chi)**

[Teased fiber study of anterior spinal roots from three cases of polyradiculoneuritis (author's transl)] Sobue G, et al. **Rinsho Shinkeigaku** 1980 Jun;20(6):443–7 (Eng. Abstr.) **(Jpn)**

[Asymmetrical evolution of demyelinating process in peripheral neuropathy; analysis on Guillain–Barré syndrome and experimental lead neuropathy (author's transl)] Sobue G, et al. **Rinsho Shinkeigaku** 1981 Jan; 21(1):73–8 (Eng. Abstr.) **(Jpn)**

[The pathology of peripheral nervous system of polyradiculoneuritis; using a teased fiber method (author's transl)] Sobue G, et al. **Rinsho Shinkeigaku** 1981 Jan; 21(1):47–55 (Eng. Abstr.) **(Jpn)**

[A case of sensory polyradiculoneuritis—clinical and electron microscopic features (author's transl)] Tanaka M, et al. **Rinsho Shinkeigaku** 1980 May;20(5):323–5 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Electrophysiological studies in the Guillain–Barré syndrome. McLeod JG. **Ann Neurol** 1981;9 Suppl:20–7

The physiological basis for symptoms in Guillain–Barré syndrome. Sumner AJ. **Ann Neurol** 1981;9 Suppl:28–30

Heart rate variations in the Guillain–Barré syndrome. Frisón JC, et al. **Br Med J** 1980 Sep 6;281(6241):649

[Electromyogram and motor nerve conduction speed in acute polyradiculoneuritis (author's transl)] Tang XF. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1979; 12(1):26–30 **(Chi)**

[Postural blood pressure variations in primary acute polyradiculitis (author's transl)] Patte C, et al. **Ann Med Interne (Paris)** 1980;131(8):494–8 (Eng. Abstr.) **(Fre)**

THERAPY

Plasma exchange in polyradiculoneuropathy. Toyka KV, et al. **Ann Neurol** 1980 Aug;8(2):205–6

Successful plasmapheresis in the Miller–Fisher syndrome [letter] **Br Med J [Clin Res]** 1981 Apr 25;282(6273):1394

Successful plasmapheresis in the Miller–Fisher syndrome [letter] **Br Med J [Clin Res]** 1981 May 16;282(6276):1627

Successful plasmapheresis in the Miller–Fisher syndrome [letter] **Br Med J [Clin Res]** 1981 Jun 20;282(6281):2055–6

Successful plasmapheresis in the Miller–Fisher syndrome. Littlewood R, et al. **Br Med J [Clin Res]** 1981 Mar 7; 282(6266):778

Successful plasmapheresis in the Miller–Fisher syndrome [letter] Maisey DN, et al. **Br Med J [Clin Res]** 1981 Apr 4;282(6270):1159

Treatment of Fisher's variant of Guillain Barré syndrome by exchange transfusion. Irvine AT, et al. **Can J Neurol Sci** 1981 Feb;8(1):49–50

Delayed recovery from respiratory paralysis due to the Guillain–Barre syndrome [letter] Knoedler JP, et al. **Chest** 1981 Jul;80(1):119–20

Treatment of Guillain–Barré syndrome by plasma exchange. Rumpl E, et al. **J Neurol** 1981;225(3):207–17

Improvement in nerve condition after plasma exchange for Guillain–Barré syndrome [letter] Rail D, et al. **J Neurol Neurosurg Psychiatry** 1980 Dec;43(12):1147

Guillain–Barré syndrome: is there a role for plasmapheresis? Asbury A, et al. **Neurology (NY)** 1980 Oct;30(10):1112

Treatment of acute severe Guillain–Barre syndrome by plasmapheresis. Corachan M, et al. **Papua New Guinea Med J** 1980 Sep;23(3):146–7

Successful treatment by plasma exchange in Guillain–Barré syndrome with immune complexes. Valbonesi M, et al. **Vox Sang** 1980;38(4):181–4

[Guillain–Barré syndrome and its treatment] Molnár GK, et al. **Duodecim** 1981;97(5):237–46 **(Fin)**

[Treatment of Guillain–Barré syndrome by plasma exchange. 6 cases] Dureux JB, et al. **Nouv Presse Med** 1980 Dec 20; 9(48):3696–7 **(Fre)**

[Guillain–Barré syndrome. Intensive care of critical cases] Hotvedt R. **Tidsskr Nor Laegeforen** 1980 Nov 20; 100(32):1895–8 (Eng. Abstr.) **(Nor)**

VETERINARY

[Polyradiculoneuritis in the dog. Clinical, histological and ultrastructural studies] Vandevelde M, et al. **Schweiz Arch Tierheilkd** 1981 Apr;123(4):207–17 (Eng. Abstr.) **(Ger)**

POLYRIBONUCLEOTIDE NUCLEOTIDYLTRANSFERASE see **POLYNUCLEOTIDE PHOSPHORYLASE**

POLYRIBONUCLEOTIDE SYNTHETASE see under **POLYNUCLEOTIDE SYNTHETASES**

POLYRIBONUCLEOTIDES

Equilibrium studies of ethidium—polynucleotide interactions. Bresloff JL, et al. **Biochemistry** 1981 Jun 9;20(12):3547–53

Solvent effects on the kinetics and thermodynamics of stacking in poly(cytidylic acid). Freier SM, et al. **Biochemistry** 1981 Mar 17;20(6):1419–26

Fluorescence of terbium ion–nucleic acid complexes: a sensitive specific probe for unpaired residues in nucleic acids. Topal MD, et al. **Biochemistry** 1980 Nov 25; 19(24):5531–7

Catalysis of accurate poly(C)–directed synthesis of 3'–5'–linked oligoguanylates by Zn2+. Bridson PK, et al. **J Mol Biol** 1980 Dec 25;144(4):567–77

Efficient catalysis of polycytidylic acid–directed oligoguanylate formation by Pb2+. Lohrmann R, et al. **J Mol Biol** 1980 Oct 5;142(4):555–67

Template–directed synthesis of oligoguanylates in the presence of metal ions. van Roode JH, et al. **J Mol Biol** 1980 Dec 25;144(4):579–85

The effect of poly(C) on the formation of peptide bones from the 2'(3')–glycyl ester of a guanosine nucleotide. Weber AL, et al. **J Mol Evol** 1981;17(3):190–1

Azidopolynucleotides as photoaffinity reagents. Cartwright IL, et al. **Nucleic Acids Res** 1980 Apr 11;8(7):1675–91

Spin–labeled polyribonucleotides. Petrov AI, et al. **Nucleic Acids Res** 1980 Sep 25;8(18):4221–34

[Specificity of synthetic polyribonucleotides hydrolysis by endoribonuclease from cobra (Naja oxiana) venom] Magarill SA, et al. **Biokhimiia** 1981 Mar;46(3):408–13 (Eng. Abstr.) **(Rus)**

[Structure of polyriboguanylic acid in solution] Lesnik EA, et al. **Mol Biol (Mosk)** 1980 Jul–Aug;14(4):820–9 (Eng. Abstr.) **(Rus)**

[Study of fusion of bacteriophage f2 double–stranded RNA, poly(A).poly(U), and poly(G).poly(C) in the presence of tetraethylammonium bromide] Permogorov VI, et al. **Mol Biol (Mosk)** 1980 Sep–Oct;14(5):1013–8 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

[Effect of different polyribonucleotide interferonogens on acute and latent viral infections in mice] Vil'ner LM, et al. **Vopr Virusol** 1980 Jan–Feb;(1):67–71 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Solid–phase synthesis of polynucleotides. IV. Usage of polystyrene resins for the synthesis of polydeoxyribonucleotides by the phosphotriester method. Miyoshi K, et al. **Nucleic Acids Res** 1980 Nov 25; 8(22):5507–17

Solid–phase synthesis of polynucleotides. III. Synthesis of polynucleotides with defined sequences by the block coupling phosphotriester method. Miyoshi K, et al. **Nucleic Acids Res** 1980 Nov 25;8(22):5491–505

IMMUNOLOGY

[Induction of plant resistance to the tobacco mosaic virus with a double–stranded poly(G)–poly(C) complex]

Kovalenko AG, et al. **Vopr Virusol** 1980 May-Jun;(3):364-8 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Hydrophobic affinity chromatography of nucleic acids and proteins. II. Activity of trityl Sepharose immobilized enzymes. Cashion P, et al. **Nucleic Acids Symp Ser** 1980; (7):173-89

METABOLISM

A helix-destabilizing protein :ubstrate devoid of heterocyclic bases. Karpel RL, et al. **Biochem Biophys Res Commun** 1981 May 29;100(2):760-8

Single-stranded poly(deoxyguanylic acid) associates into double- and triple-stranded structures. Dugaiczyk A, et al. **Biochemistry** 1980 Dec 9;19(25):5869-73

Physical studies of the interaction of a calf thymus helix-destablizing protein with nucleic acids. Karpel RL, et al. **Biochemistry** 1980 Sep 30;19(20):4674-82

Circular dichroism study of Escherichia coli initiation factor 3 binding to nucleic acids. Schleich T, et al. **Biochemistry** 1980 Sep 16;19(19):4486-92

Arachidonic acid-dependent metabolism of (+/-)-7,8-dihydroxy-7,8-dihydrobenzo[a]pyrene to polyguanylic acid-binding derivatives. Panthananickal A, et al. **Chem Biol Interact** 1981 Jan;33(2-3):239-52

The relationship between polyribonucleotide binding and the phosphorylation and dephosphorylation of nuclear envelope protein. McDonald JR, et al. **FEBS Lett** 1980 Jul 28;116(2):145-8

PHARMACODYNAMICS

Inhibition of the action of Escherichia coli transcription termination protein rho by poly(C) and heparin. Bektesh SL, et al. **Biochim Biophys Acta** 1981 Aug 27;655(1):96-101

Reactions between polyribonucleotides and low density lipoproteins in sera of patients with progressive systemic sclerosis. Garcia I, et al. **J Immunol** 1981 Feb;126(2):706-8

THERAPEUTIC USE

Studies on the mode of action of single-stranded polynucleotides which are antiviral against encephalomyocarditis virus infection of mice. Stebbing N. **Arch Virol** 1981;68(3-4):291-5

The antiviral activity of amantadine and poly (C,S4U) on influenza virus infection of infant rats. Potter CW, et al. **J Antimicrob Chemother** 1981 May;7(5):575-84

POLYRIBOSOMES

ANALYSIS

Isolation of ribonuclease-free polysomes from human placenta. Kelly S, et al. **Biochim Biophys Acta** 1980 Sep 19;609(2):278-85

Complexity of nuclear and polysomal RNAs in growing Dictyostelium discoideum cells. Blumberg DD, et al. **Dev Biol** 1980 Aug;78(2):268-84

Segregation of specific classes of messenger RNA into free and membrane-bound polysomes. Adesnik M, et al. **Eur J Biochem** 1981 Feb;114(2):271-84

Structural characterization of polysomal poly(A)-protein particles in rat liver. Tomcsányi T, et al. **Eur J Biochem** 1981 Feb;114(2):421-8

High molecular weight messenger RNA in polysomes of osmotic dependent Saccharomyces cerevisiae mutants. Venkov PV, et al. **Int J Biochem** 1981;13(1):83-90

Characterization of the association of two small molecular weight RNAs with eukaryotic polysomes. Gunning PW, et al. **J Biol Chem** 1981 Jul 10;256(13):6670-5

Membrane-bound ribosomes of myeloma cells. V. Subcellular distribution of immunoglobulin mRNA molecules. Mechler B. **J Cell Biol** 1981 Jan;88(1):37-41

Membrane-bound ribosomes of myeloma cells. IV. mRNA complexity of free and membrane-bound polysomes. Mechler B, et al. **J Cell Biol** 1981 Jan;88(1):29-36

Isolation and characterization of structurally and functionally intact polyribosomes and mRNA from rat heart muscle. Zähringer J, et al. **J Mol Cell Cardiol** 1981 Feb;13(2):127-46

The effect of 'shearing' forces during ultracentrifugation on the membrane-bound polysomes associated with light rough microsomes of MPC-11 cells. Svardal AM, et al. **Mol Biol Rep** 1980 Jul 31;6(2):105-10

Highly purified ceruloplasmin messenger RNA from rat liver. Physico-chemical and functional characteristics. Gaitskhoki VS, et al. **Mol Cell Biochem** 1981 Mar 27; 35(3):171-82

Isolation and characterization of polysomes from Trypanosoma brucei. Cordingley JS, et al. **Parasitology** 1980 Dec;81(Pt 3):537-51

A rapid method for the separation of free and membrane-bound polysomes of rat liver by gel filtration on columns of sepharose 4B. Higgins JA, et al. **Prep Biochem** 1980;10(3):317-30

Comparison of poly(A)-mRNA prepared from membranes and free polyribosomes of mouse liver. Clissold PM, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3697-701

DRUG EFFECTS

Alterations in rabbit liver protein synthesis as a result of phenobarbital treatment. DiLella AG, et al. **Biochem Biophys Res Commun** 1981 Feb 12;98(3):628-34

Comparison of the effect of intravenous administration of d-lysergic acid diethylamide on free and membrane-bound polysomes in the rabbit brain. Heikkila JJ, et al. **J Neurochem** 1981 Mar;36(3):1219-28

Cell-free translation of free and membrane-bound polysomes and polyadenylated mRNA from rabbit brain following administration of d-lysergic acid diethylamide in vivo. Heikkila JJ, et al. **J Neurochem** 1981 Mar;36(3):1229-38

The effect of D-galactosamine and actinomycin D on polysomes and messenger RNA levels in rat liver. Kühn B, et al. **Mol Pharmacol** 1981 Jan;19(1):103-8

Amphetamine stereotypies and polyribosomal disaggregation in rats: effects of adrenergic and serotonergic blocking agents. Widelitz MM, et al. **Psychopharmacology (Berlin)** 1980;72(1):109-10

[Studies of differences in protein accretion in mice by means of cell-free protein synthesis systems] Evers B, et al. **Acta Biol Med Ger** 1979;38(11-12):1565-71 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Site of synthesis and intracellular transport of the precursor of mitochondrial ornithine carbamoyltransferase. Morita T, et al. **Biochem Biophys Res Commun** 1981 Mar 31; 99(2):623-9

Cyclic nucleotide-independent protein kinases bound to cytoplasmic and nuclear polyribosomes in non-infected and adenovirus-infected HeLa cells. Sarma MH, et al. **Biochem J** 1980 Jul 1;189(1):143-52

Characterization of protein kinase activity associated with rat liver polysomal messenger ribonucleoprotein particles. Cardelli J, et al. **Biochemistry** 1980 Jul 8;19(14):3164-9

Modification of fibrinogen chains during synthesis: glycosylation of B beta and gamma chains. Nickerson JM, et al. **Biochemistry** 1981 May;20(10):2818-21

A switch from translational control to transcriptional control of protein synthesis in mid-exponential growth phase of bacterial cultures. Specific radioimmune labelling of ribitol-dehydrogenase-synthesising polysomes from Klebsiella aerogenes in the presence of heparin. Bahramian MB, et al. **Eur J Biochem** 1980 Sep;110(2):507-19

METABOLISM

Cell-free synthesis of alpha and beta subunits of human chorionic gonadotrophin with polyribosomes from early placenta. Maruo T, et al. **Acta Endocrinol (Copenh)** 1980 Sep;95(1):90-6

Isolation of polysomes from larval and adult Drosophila melanogaster. Bradford CT, et al. **Anal Biochem** 1981 Mar 15;112(1):176-81

Vitamin D-dependent calcium-binding protein synthesis by chick kidney and duodenal polysomes. Christakos S, et al. **Arch Biochem Biophys** 1980 Sep;203(2):809-15

Stimulation of yeast mitochondrial protein synthesis by postpolysomal supernatants from yeast, rat liver, and Escherichia coli. Everett TD, et al. **Arch Biochem Biophys** 1980 Apr 1;200(2):467-73

In vitro synthesis of adrenodoxin and adrenodoxin reductase: existence of a putative large precursor form of adrenodoxin. Nabi N, et al. **Biochem Biophys Res Commun** 1980 Nov 28;97(2):680-6

In vitro synthesis of mitochondrial cytochromes P-450(scc) and P-450(11-beta) and microsomal cytochrome P-450(C-21) by both free and bound polysomes isolated from bovine adrenal cortex. Nabi N, et al. **Biochem Biophys Res Commun** 1980 Nov 28;97(2):687-93

Changes in polyribosomes and poly(A)-containing polyribosomal RNA in the uterus of the ovariectomized rat in response to oestradiol-17 beta treatment. Pretorius PJ, et al. **Biochem J** 1980 Jun 15;188(3):689-94

Induction of rat liver metallothionein mRNA and its distribution between free and membrane-bound polyribosomes. Shapiro SG, et al. **Biochem J** 1980 Sep 15; 190(3):755-64

Effect of chronic ethanol and sucrose ingestion on liver polysomal poly(A)mRNA content and incorporation of [5-(3)H]uridine into mRNA. Bantle JA, et al. **Biochem Pharmacol** 1980 Nov 1;29(21):2993-3001

Polysome-dependent in vitro translation system capable of peptide chain reinitiation. Aroskar VA, et al. **Biochemistry** 1980 Dec 23;19(26):6105-11

Sequential translocation of two phenobarbital-induced polysomal messenger ribonucleic acids from the nuclear envelope to the endoplasmic reticulum. Gonzalez FJ, et al. **Biochemistry** 1981 Apr 14;20(8):2292-8

Distribution of messenger ribonucleic acid in polysomes and nonpolysomal particles of sea urchin embryos: translational control of actin synthesis. Infante AA, et al. **Biochemistry** 1981 Jan 6;20(1):1-8

The identification of cytochrome P-450-LM2 synthesized in vitro from a rabbit liver polysomal mRNA template. DiLella AG, et al. **Biochim Biophys Acta** 1981 Jan 29; 652(1):223-7

Role of ribosome recycling in uptake of dihydrostreptomycin by sensitive and resistant Escherichia coli. Hurwitz C, et al. **Biochim Biophys Acta** 1981 Jan 29;652(1):168-76

Identification of rat brain polysomes synthesizing the brain specific enolase (14.3.2 protein), S100 protein and alpha and beta tubulin subunits. Marks A, et al. **Biochimie** 1980; 62(7):463-71

RNA-protein complexes identified by crosslinking of polysomes. Sköld SE. **Biochimie** 1981 Jan;63(1):53-60

Messenger RNA is translated when associated with the cytoskeletal framework in normal and VSV-infected HeLa cells. Cervera M, et al. **Cell** 1981 Jan;23(1):113-20

The spatial distribution of polyribosomes in 3T3 cells and the associated assembly of proteins into the skeletal framework. Fulton AB, et al. **Cell** 1980 Jul;20(3):849-57

The effect of organ preservation on polysomal messenger RNA. Lazarus HM, et al. **Cryobiology** 1980 Dec; 17(6):557-62

Protein synthesis, polyribosomes, and peptide elongation in early development of Strongylocentrotus purpuratus. Goustin AS, et al. **Dev Biol** 1981 Feb;82(1):32-40

Adrenocorticotropin analogs and glucocorticoids in the hypophysectomized rat. I. Effects on liver polyribosomes and rough endoplasmic reticulum. Lando D, et al. **Endocrinology** 1980 Dec;107(6):2055-62

Adrenocorticotropin analogs and glucocorticoids in the hypophysectomized rat. II. Effects on cerebral cortex polyribosomes. Lando D, et al. **Endocrinology** 1980 Dec; 107(6):2063-8

The differential phosphorylation of free cytoplasmic and membrane-bound polysomal poly(A)mRNP particles in the bovine adrenal cortex. Moore RE, et al. **Endocrinology** 1980 Oct;107(4):1264-5

Intracellular distribution of rat-liver polyribosomes synthesizing coeruloplasmin. Gaitskhoki VS, et al. **Eur J Biochem** 1981 Mar 16;115(1):39-44

Light-induced appearance of polysomal poly(A)-rich messenger RNA during greening of barley plants. Heinze H, et al. **Eur J Biochem** 1980 Oct;111(1):137-44

Comparisons of proteins associated with duck-globin mRNA and its polyadenylated segment in polyribosomal and repressed free messenger ribonucleoprotein complexes. Vincent A, et al. **Eur J Biochem** 1981 Feb;114(2):179-93

Messenger RNA for cataractous lens proteins are also present on normal lens polyribosomes. Weill JC, et al. **Eur J Biochem** 1980 Oct;111(2):593-601

Complexity of polysomal poly(A)RNA in different developmental stages of a non-differentiating neuroblastoma clone. Berthelot F, et al. **FEBS Lett** 1980 Dec 15;122(1):109-12

Analysis of ribosomal protein conformation in Bacillus subtilis by reductive methylation. Identification of proteins with different conformation in monosomes and polysomes. Guha S, et al. **FEBS Lett** 1980 Aug 25;118(1):103-8

Spermine stimulation of CCl4 depressed protein synthesis in rabbits. Oratz M, et al. **Gastroenterology** 1980 Dec; 79(6):1165-73

Maintenance of intracellular level of polysomes during streptomycin-induced mistranslation in Escherichia coli. Marchal J, et al. **Int J Biochem** 1981;13(6):753-6

Radiation-induced fluctuation of the polysome content in adequately oxygenated tetrahymena pyriformis. Oleinick NL, et al. **Int J Radiat Biol** 1979 Dec;36(6):555-64

Cholera toxin is synthesized in precursor form on free polysomes in Vibrio cholerae 569B. Nichols JC, et al. **J Bacteriol** 1980 Nov;144(2):518-23

Clostridium perfringens type A: in vitro system for sporulation and enterotoxin synthesis. Smith WP, et al. **J Bacteriol** 1980 Oct;144(1):306-11

The products of mitochondria-bound cytoplasmic polysomes in yeast. Ades IZ, et al. **J Biol Chem** 1980 Oct 25; 255(20):9918-24

Acetylcholine receptor synthesis from membrane polysomes. Merlie JP, et al. **J Biol Chem** 1981 Jul 10;256(13):6995-9

The cytotoxic activity of Shigella toxin. Evidence for catalytic inactivation of the 60 S ribosomal subunit. Reisbig R, et al. **J Biol Chem** 1981 Aug 25;256(16):8739-44

Isolation of giant silk fibroin polysomes and fibroin mRNP particles using a novel ribonuclease inhibitor, hydroxystilbamidine. Lizardi PM. **J Cell Biol** 1980 Oct; 87(1):292-6

Membrane-bound ribosomes of myeloma cells. VI. Initiation of immunoglobulin mRNA translation occurs on free ribosomes. Mechler B. **J Cell Biol** 1981 Jan;88(1):42-50

Uptake and utilization of mRNA by myogenic cells in culture. Mroczkowski B, et al. **J Cell Biol** 1980 Oct; 87(1):65-71

Effect of alpha-methylphenylalanine and phenylalanine on brain polyribosomes and protein synthesis. Binek PA, et al. **J Neurochem** 1981 Apr;36(4):1476-84

Tubulin synthesis in rat forebrain: studies with free and membrane-bound polysomes. Gilbert JM, et al. **J Neurochem** 1981 Mar;36(3):839-46

In vitro synthesis of human brain proteins including tubulin and actin by purified postmortem polysomes. Marotta CA, et al. **J Neurochem** 1981 Mar;36(3):966-75

In vitro biosynthesis of tubulin on total, free and membrane-bound polysomes from the developing rat brain. Sato M, et al. **J Neurochem** 1978 Dec;31(6):1361-70

Variations in brain cortical polysome translation products among rats of the same strain. Strocchi P, et al. **J Neurochem** 1981 Jun;36(6):2044-51

Poly(A)- and nonpoly(A)-RNA associated with rat brain microsomal fractions: in vivo labelling studies. Czosnek H, et al. **J Neurosci Res** 1980;5(6):515-30

Studies on the influence of tryptophan and related compounds on hepatic polyribosomes and protein synthesis in the rat. Sidransky H, et al. **J Nutr** 1980 Nov;

110(11):2231–42

Effects of amino acid imbalance on polysome profiles and 14C-labeled amino acid incorporation into tissue proteins in rats. Yasukawa T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1980;26(5):461–73

Sites of synthesis of viral proteins in avian sarcoma virus-infected chicken cells. Purchio AF, et al. **J Virol** 1980 Sep;35(3):629–36

Protein synthesis with membrane-bound polysomes and albumin messenger RNA from livers of mutant mice. Garland RC, et al. **Mol Cell Biochem** 1981 Apr 13; 36(1):29–35

Effect of anoxia on brain polysomes. Melitauri NN. **Neuropatol Pol** 1980 Oct–Dec;18(4):521–5

Comparison of polysomal and nuclear poly(A)-containing RNA populations from normal rat liver and Novikoff hepatoma. Capetanaki YG, et al. **Nucleic Acids Res** 1980 Jul 25;8(14):3193–214

Post-transcriptional regulation of messenger abundance in rat liver and hepatoma. Jacobs H, et al. **Nucleic Acids Res** 1980 Jul 25;8(14):3087–103

Cytoplasmic polyadenylate processing events accompany the transfer of mRNA from the free mRNP particles to the polysomes in Physarum. Adams DS, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):83–7

The polyribosomal mRNA--protein complex is a dynamic structure. Greenberg JR. **Proc Natl Acad Sci USA** 1981 May;78(5):2923–6

Developmental shifts in frequency distribution of polysomal mRNA and their posttranscriptional regulation in the sea urchin embryo. Shepherd GW, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4653–6

Cytoplasmic zone analysis in the study of the polysomes of differentiated cells. Edström JE, et al. **Results Probl Cell Differ** 1980;11:139–46

[Level of polysomes in cells of Escherichia coli treated with sublethal doses of aminoglycosides] Cortay JC, et al. **C R Acad Sci [D] (Paris)** 1980 Oct 6;291(5):473–6 (Eng. Abstr.) **(Fre)**

[Biosynthesis of collagen in a cell-free system from wheat germ on poly(A)-RNA isolated from membrane-bound polyribosomes of chicken embryos] Berman AE, et al. **Biokhimiia** 1980 Jan;45(1):63–74 (Eng. Abstr.) **(Pus)**

[Properties of polyribosomal complexes of loach embryonic cell cytoplasm] Strelkov LA, et al. **Biokhimiia** 1980 Nov; 45(11):1934–43 (Eng. Abstr.) **(Rus)**

[Estradiol-induced formation of the polyribosomal complex synthesizing ceruloplasmin in rats] Voronina OV, et al. **Biokhimiia** 1980 Jun;45(6):1010–6 (Eng. Abstr.) **(Rus)**

[Protein biosynthesis and thyroglobulin polyribosome content of thyroid cells in congenital goiter] Atakhanova BA, et al. **Probl Endokrinol (Mosk)** 1981 Jan–Feb;27(1):8–11 (Eng. Abstr.) **(Rus)**

[Changes in the mechanisms controlling mRNA stability during the process of liver regeneration in rats] Arbuzov VA, et al. **Vopr Med Khim** 1980 Jul–Aug;26(4):517–25 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Cerebral ischemia in gerbils: polyribosomal function during progression and recovery. Morimoto K, et al. **Stroke** 1981 Jan–Feb;12(1):105–10

RADIATION EFFECTS

Proteins crosslinked to messenger RNA by irradiating polyribosomes with ultraviolet light. Greenberg JR. **Nucleic Acids Res** 1980 Dec 11;8(23):5685–701

ULTRASTRUCTURE

Recovery of microquantities of subcellular particles by ultracentrifugation in automatic pipet tips. Murthy MR, et al. **Anal Biochem** 1980 Dec;109(2):354–6

Electrophoretic characterization of mouse liver polyribosomes. Nishinaga K, et al. **Anal Biochem** 1980 Oct; 108(1):185–9

Isolation and characterization of polysomes from thylakoid membranes of Chlamydomonas reinhardii. Bolli R, et al. **Biochim Biophys Acta** 1981 Apr 27;653(2):276–87

Association of mitochondria with intermediate filaments and of polyribosomes with cytoplasmic actin. Toh BH, et al. **Cell Tissue Res** 1980;211(1):163–9

Membrane-bound and free polysomes in Dictyostelium discoideum. I. Isolation and developmental effects on size and distribution. Cardelli JA, et al. **Dev Biol** 1981 Feb; 82(1):180–5

The physical association between rat liver mitochondria and rough endoplasmic reticulum. II. Possible role RER-MT complexes play in the biosynthesis of cytochrome P-450. Pickett CB, et al. **Exp Cell Res** 1981 Mar;132(1):225–34

Polyribosome analysis on sucrose gradients produced by the freeze-thaw method. Fourcroy P, et al. **J Biochem Biophys Methods** 1981 Mar;4(3-4):243–6

Effect of electroconvulsive shock on polysomes of rabbit brain, liver and kidney. Popoli M, et al. **J Neurochem** 1980 Dec;35(6):1319–22

[Physico-chemical and functional properties fo intramitochondrial polyribosomes of the yeast Saccharomyces cerevisiae] Babich SG, et al. **Biokhimiia** 1980 Jan;45(1):11–9 (Eng. Abstr.) **(Rus)**

[Polyribosomes loosely bound to endoplasmic reticulum membranes as an early step in the formation of a membrane-polyribosome complex] Oborotova TA, et al. **Biokhimiia** 1981 Jun;46(6):1142–6 (Eng. Abstr.) **(Rus)**

[Relative polysome and monosome content in human lymphocytes normally and in chronic lympholeukemia depending on the therapy] Morozov EO, et al. **Probl Gematol Pereliv Krovi** 1980 Aug;25(8):8–12 (Eng. Abstr.) **(Rus)**

[Comparison of free and membrane-bound polyribosomes of human placenta in different periods of pregnancy] Radzinskiĭ VE, et al. **Ukr Biokhim Zh** 1981 May-Jun; 53(3):38–42 (Eng. Abstr.) **(Rus)**

[Ultrastructure of the polysome-lamella complexes in ovarian cancers] Bychkov VM, et al. **Vopr Onkol** 1981;27(1):49–52 (Eng. Abstr.) **(Rus)**

POLYSACCHARIDE-LYASES

ANALYSIS

Detection of pectic enzymes in pectin-acrylamide gels. Cruickshank RH, et al. **Anal Biochem** 1980 Sep 1; 107(1):177–81

BIOSYNTHESIS

Heparinase production by Flavobacterium heparinum. Galliher PM, et al. **Appl Environ Microbiol** 1981 Feb; 41(2):360–5

POlygalacturonic acid transeliminase production by Azospirillum species. Tien TM, et al. **Can J Microbiol** 1981 Apr;27(4):426–31

BLOOD

Characterization of a platelet endoglycosidase degrading heparin-like polysaccharides. Oldberg A, et al. **Biochemistry** 1980 Dec 9;19(25):5755–62

ISOLATION & PURIFICATION

Purification and properties of polygalacturonic acid trans-eliminase from Bacillus stearothermophilus. Karbassi A, et al. **Can J Microbiol** 1980 Mar;26(3):377–84

Purification of heparinase and heparitinase by affinity chromatography on glycosaminoglycan-bound AH-Sepharose 4B. Ototani N, et al. **Carbohydr Res** 1981 Feb 2;88(2):291–303

METABOLISM

Degradative removal of heparan sulfate from the surface of an ascites hepatoma, AH 66, by heparitinase. Ohkubo Y, et al. **J Biochem (Tokyo)** 1981 Jan;89(1):161–7

POLYSACCHARIDES

Isoelectric focusing of hemoglobins on thin-layer agarose. Arad Y, et al. **Am J Clin Pathol** 1981 Aug;76(2):200–5

Isoelectric focusing of PGM1 (E.C.2.7.5.1) on agarose. Application to cases of disputed parentage. Dykes DD, et al. **Am J Clin Pathol** 1981 May;75(5):708–11

The determination of dissociation constants by affinity electrophoresis on Cibacron Blue F3G A-agarose-polyacrylamide gels. Johnson SJ, et al. **Anal Biochem** 1980 Nov 15;109(1):63–6

Blue guaran (a chromophore-labeled galactomannan) as a reagent for lectins. Rathaur BS, et al. **Anal Biochem** 1981 Mar 15;112(1):55–9

Use of Cibacron Blue--Sepharose 6B to detect modifications of the non-allosteric 6-phosphofructokinase from Escherichia coli K-12. Ewings KN, et al. **Aust J Biol Sci** 1981;34(1):125–32

Fermentation of plant polysaccharides: role of biochemical genetics. Detroy RW. **Basic Life Sci** 1981;18:183–5

Controlled coupling of mildly reduced proteins to Sepharose gelatin by heterobifunctional reagent. Habeeb AF. **Biochem Biophys Res Commun** 1981 Jun 16;100(3):1154–66

Highly purified agarose as stacking gel in sodium dodecyl sulphate/polyacrylamide-gel electrophoresis. Aasted B. **Biochem J** 1980 Jul 1;189(1):183–4

Studies on the mechanism of binding of serum albumins to immobilized cibacron blue F3G A. Leatherbarrow RJ, et al. **Biochem J** 1980 Jul 1;189(1):27–34

Activation of polysaccharides with 2-iminothiolane and its uses. Alagon AC, et al. **Biochemistry** 1980 Sep 2; 19(18):4341–5

Hydrophobic interactions of Escherichia coli ribosomes. Fábry M, et al. **Biochim Biophys Acta** 1981 Jan 29; 652(1):139–50

An application of ellipsometry. Assessment of polysaccharide and glycoprotein interaction with lectin at a liquid/solid interface. Horisberger M. **Biochim Biophys Acta** 1980 Oct 1;632(2):298–309

Incorporation of labelled amino acids into proteins, from rabbit reticulocytes, retained on heparin-sepharose. Hradec J. **Biochim Biophys Acta** 1980 Dec 11;610(2):285–96

Interaction of monolayers of concanavalin A with mono- and polysaccharides. A study by means of infrared-attenuated total reflectance spectroscopy. Ockman N. **Biochim Biophys Acta** 1981 Apr 22;643(1):220–32

Substrate specificity of alpha-L-arabinofuranosidase from plant scopolia japonica calluses and a suggestion with reference to the structure of beet araban. Tanaka M, et al. **Biochim Biophys Acta** 1981 Apr 14;658(2):377–86

Alkyl and omega-amino alkyl agaroses as probes of light-induced changes in phytochrome from pea seedlings (Pisum sativum cv. Alaska). Yamamoto KT, et al. **Biochim Biophys Acta** 1981 Mar 27;668(1):27–34

Properties of agarose-encapsulated adsorbents. II. Elimination of endogenous and exogenous phenolic compounds from human serum. Holloway CJ, et al. **Biomater Med Devices Artif Organs** 1981;9(2):149–63

Study of chemotaxis by a modified method of migration under agarose gel. D'Amelio R, et al. **Boll Ist Sieroter Milan** 1979 Sep 30;58(4):306–14

Evidence of multiple branching in the levan elaborated by Streptococcus salivarius strain 51. Marshall K, et al. **Carbohydr Res** 1980 Aug 15;83(2):321–6

Agarose-linked xanthosine: a biospecific resin for guanine aminohydrolase. Rosemeyer H, et al. **Carbohydr Res** 1981 Mar 16;90(1):53–60

Tissue stabilizer methods in histochemistry. Altman FP. **Ciba Found Symp** 1979;(73):81–101

Enzyme immunoassay for insulin with a novel separation method using activated thiol-Sepharose. Umeda Y, et al. **Clin Chim Acta** 1980 Nov 6;107(3):267–72

Cryopreservation of Ficoll-Hypaque isolated human granulocytes. Absolom DR, et al. **Cryobiology** 1980 Jun; 17(3):287–96

Sepharose 4B as a matrix for affinity chromatography. A spin-labelling investigation using nitroxides as model ligands. Aplin JD, et al. **Eur J Biochem** 1980 Sep; 110(1):295–309

Structure determination by 360-MHz 1H-NMR spectroscopy and methylation analysis of a biantennary glycan of the N-acetyllactosaminic type isolated from rat-liver plasma membrane. Debray H, et al. **Eur J Biochem** 1981 Apr;115(3):559–63

p-Toluenesulfonyl chloride as an activating agent of agarose for the preparation of immobilized affinity ligands and proteins. Nilsson K, et al. **Eur J Biochem** 1980 Nov; 112(2):397–402

Flexibility of bi- and triantennary glycans of the N-acetyllactosaminic type. A spin label study. Davoust J, et al. **FEBS Lett** 1981 Mar 23;125(2):271–6

A rapid purification of hepatic ATP citrate lyase using blue Sepharose. Redshaw JC, et al. **FEBS Lett** 1981 Jan 26; 123(2):261–4

Chemical properties and interactions of rice hemicellulose with trace minerals in vitro. Mod RR, et al. **J Agric Food Chem** 1981 May-Jun;29(3):449–54

Automatic analysis of neutral sugar components in glycoproteins and complex carbohydrates. Boykins RA, et al. **J Biochem Biophys Methods** 1980 Jan-Feb;2(1):71–8

Chromatographic fractionation of Escherichia coli transfer RNA on a new support, naphthoyl-Sepharose. Hjertén S, et al. **J Biochem Biophys Methods** 1979 Oct;1(5):263–73

Preparative isoelectric focusing in agarose. Ebers GC, et al. **J Immunol Methods** 1980;37(3-4):315–23

Isoelectric focusing of IgA and IgM in composite acrylamide-agarose gels. Jackson DE, et al. **J Immunol Methods** 1980;36(3-4):315–24

Competitive inhibition of interchain interactions in polysaccharide systems. Morris ER, et al. **J Mol Biol** 1980 Apr;138(2):363–74

Some emulsifying and suspending properties of a polysaccharide gum derived from Mucuna flagillepes, Papilionaceae. Udeala OK, et al. **J Pharm Pharmacol** 1981 Feb;33(2):75–7

Effect of capsule size on permeability of gelatin-acacia microcapsules toward sodium chloride. Jalšenjak I, et al. **J Pharm Sci** 1981 Apr;70(4):456–7

Particulate aminoacyl-tRNA synthetases are retained on heparin bound to Sepharose. Hradec J, et al. **Mol Biol Rep** 1980 Dec 31;6(4):245–8

Affinity chromatography of some pyridoxal phosphate-requiring enzymes on Cibacron Blue F3GA-agarose. Meadows GG, et al. **Res Commun Chem Pathol Pharmacol** 1980 Dec; 30(3):535–45

Carbohydrates. Sharon N. **Sci Am** 1980 Nov;243(5):90–116

A simple technique for purification of fibrinogen from plasma by affinity chromatography on ristocetin-agarose. Suzuki K, et al. **Thromb Res** 1980 Jun 1;18(5):707–15

The separation of cell populations using monoclonal antibodies attached to sepharose. de Kretser TA, et al. **Tissue Antigens** 1980 Oct;16(4):317–25

[Comparison between 2 density gradients for separation of CFU] Vannier JP, et al. **Biomedicine** 1980 Nov;33(7):236–9 (Eng. Abstr.) **(Fre)**

ADMINISTRATION & DOSAGE

The implantation of sepharose beads in mouse livers as an aid in the study of hepatic schistosomal fibrosis. van Marck EA, et al. **Experientia** 1980 Sep 15;36(9):1116–8

ANALYSIS

Polysaccharide accumulation in the central nervous system of D-penicillamine-treated rats. Jayaraj AP. **Acta Neuropathol (Berl)** 1980;51(3):237–9

DNA sequence similarity, cell wall mannans and physiological characteristics in some strains of Candida utilis, Hansenula jadinii and Hansenula petersonii. Manachini PL. **Antonie Van Leeuwenhoek** 1979; 45(3):451–63

Structural analysis of mannans from Candida albicans

serotypes A and B and from Torulopsis glabrata by methylation gas chromatography mass spectrometry and exo-alpha-mannanase. Reiss E, et al. **Biomed Mass Spectrom** 1981 Jun;8(6):252-5

Chemical and enzymatic changes in the cell walls of Candida albicans and Saccharomyces cerevisiae by scanning electron microscopy. Koch Y, et al. **Can J Microbiol** 1980 Aug;26(8):965-70

The surface coat of embryonic limb mesenchymal cells during morphogenetic cell death. Hurle JM, et al. **Exp Cell Res** 1981 Jun;132(2):465-70

Studies on the characterization of the linkage-region between polysaccharide chain and core protein in bovine corneal proteokeratan sulfate. Keller R, et al. **Hoppe Seylers Z Physiol Chem** 1981 Mar;362(3):327-36

Effect of subdiaphragmatic vagotomy on gastric mucosal polysaccharide content in pylorus ligated albino rats. Ganguly AK, et al. **Indian J Med Res** 1980 Jun;71:924-5

Fine structure and cytochemical evidence for the presence of polysaccharide surface coat of Dirofilaria immitis microfilariae. Cherian PV, et al. **Int J Parasitol** 1980 Jun; 10(3):227-33

Immunochemical studies of the mannans of Saccharomyces cerevisiae X2180-1A-5 and Saccharomyces cerevisiae 4484-24D-1 mutant strains, with special reference to their phosphate content. Okubo Y, et al. **J Bacteriol** 1980 Oct; 144(1):92-6

Cytochemical studies on the prostate glands of the trematodes, Paramphistomum epiclitum and Paradistomoides orientalis. Kanwar U, et al. **J Helminthol** 1980 Dec;54(4):263-6

Osmium-labeled polysaccharides for atomic microscopy. Resch J, et al. **J Mol Biol** 1980 Apr 25;138(4):673-83

The glycosome of Chara: ultrastructure, development, and composition. Franceschi VR, et al. **J Ultrastruct Res** 1981 May;75(2):218-28

Distribution of carcinoembryonic antigens and blood group substances in adenocarcinoma of the colon. Wiley EL, et al. **Lab Invest** 1981 Jun;44(6):507-13

Histochemical analysis of salivary gland of three insects with different feeding habits. Verma GP, et al. **Z Mikrosk Anat Forsch** 1980;94(4):749-61

[Effects of a polysaccharide extracted from a red alga (Bonnemaisonales) on mononucleate phagocytes in several rodents] Catayee G, et al. **Bull Assoc Anat (Nancy)** 1980 Jun;64(185):217-23 (Eng. Abstr.) **(Fre)**

[Structure of mannan from Pasteurella multicoda] Erler W, et al. **Z Allg Mikrobiol** 1981;21(3):191-200 **(Ger)**

[Cell wall polysaccharide structure in the food protein yeast, Candida spec. H. II. Characterization of phosphate binding to the mannan-protein-phosphate complex and identification of phosphodiester-bound mono-oligosaccharides] Grimmecke HD, et al. **Z Allg Mikrobiol** 1981;21(2):109-16 (Eng. Abstr.) **(Ger)**

[Cell wall polysaccharide structure in the food protein yeast, Candida spec. H. I. Structure of alkali-stable mannoproteins] Grimmecke HD, et al. **Z Allg Mikrobiol** 1981;21(2):95-107 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Isolated heterocysts of Anabaena variabilis synthesize envelope polysaccharide. Cardemil L, et al. **Biochim Biophys Acta** 1981 May 5;674(2):265-76

A polysaccharide produced by laboratory cultivation of Poria cocos Wolf. Narui T, et al. **Carbohydr Res** 1980 Dec 1; 87(1):161-3

Changes in the rate of chitin-plus-chitosan synthesis accompany morphogenesis of Mucor racemosus. Domek DB, et al. **J Bacteriol** 1981 Jun;146(3):945-51

Biosynthesis of xyloglucan in suspension-cultured soybean cells. An assay method for xyloglucan xylosyltransferase and attempted synthesis of xyloglucan from UDP-D-xylose. Hayashi T, et al. **J Biochem (Tokyo)** 1981 Jan;89(1):325-8

BLOOD

Heparin and other sulfated polyanions: their interaction with the blood platelet. Tiffany ML, et al. **Ann NY Acad Sci** 1981;370:662-7

Isolation and characterization of a mannan-binding protein from rabbit serum. Kozutsumi Y, et al. **Biochem Biophys Res Commun** 1980 Jul 31;95(2):658-64

CHEMICAL SYNTHESIS

The effects of N-substitution of chitosan and the physical form of the products on the rate of hydrolysis by chitinase from Streptomyces griseus. Hirano S, et al. **Carbohydr Res** 1980 Aug 1;83(1):103-8

DIAGNOSTIC USE

Characterization of subcellular poly(A) RNA populations by poly(U) sepharose chromatography and discontinuous elution. Bynum JW, et al. **Anal Biochem** 1980 Sep 15; 107(2):406-16

Improved separation of creatine kinase isoenzymes by use of DEAE-Sepharose Cl-6B. Bondar RJ, et al. **Clin Chem** 1980 Apr;26(5):618-24

Quantitation of chemotactic factor generation in human sera. Tannous R, et al. **J Immunol Methods** 1980;36(3-4):349-58

[Immunochemical studies on coagulant, fibrinolytic factors and proteinase inhibitors in fraction (I) separated with lysine-sepharose affinity chromatography (author's transl)] Miyatani K. **Rinsho Byori** 1980 Oct;28(10):1047-50 **(Jpn)**

IMMUNOLOGY

Studies on the regulation of igm immune response. VII. changes in the affinity of antibodies and cell receptors after immunization with the T-cell independent antigen DNP-Ficoll. Fiebig H, et al. **Acta Biol Med Ger** 1979; 38(11-12):1627-37

Immunological cross-reaction between a naturally occurring galactan, agarose, and an LPS locus for immune lysis of Neisseria meningitidis by human sera. Griffiss JM, et al. **Clin Exp Immunol** 1981 Jan;43(1):20-7

Tolerogenic or immunogenic activity of hapten-conjugated polysaccharides correlated with cellular localization. Humphrey JH. **Eur J Immunol** 1981 Mar;11(3):212-20

Different macrophage populations distinguished by means of fluorescent polysaccharides. Recognition and properties of marginal-zone macrophages. Humphrey JH, et al. **Eur J Immunol** 1981 Mar;11(3):221-8

Quantitation of antibody against cell wall mannan and a major cytoplasmic antigen of Candida in rabbits, mice, and humans. Jones JM. **Infect Immun** 1980 Oct;30(1):78-89

Concomitant but not causal association between surface charge and inhibition of phagocytosis by cryptococcal polysaccharide. Kozel TR, et al. **Infect Immun** 1980 Aug; 29(2):295-300

Role of surface mannan in the adherence of Candida albicans to fibrin-platelet clots formed in vitro. Maisch PA, et al. **Infect Immun** 1981 Apr;32(1):92-7

Regulation of thymus-independent responses: unresponsiveness to a second challenge of TNP-Ficoll is mediated by hapten-specific antibodies. Brodeur PH, et al. **J Immunol** 1980 Oct;125(4):1499-505

Role of T lymphocytes in the response to TNP-AECM-Ficoll. Mond JJ, et al. **J Immunol** 1980 Sep; 125(3):1066-70

Mitogenic response of human peripheral blood lymphocytes to a purified C. albicans polysaccharide fraction: lack of helper activities is responsible for the in vitro unresponsiveness to a second antigenic challenge. Piccolella E, et al. **J Immunol** 1981 Jun;126(6):2156-60

Kinetics of antibody responses to cell wall mannan and a major cytoplasmic antigen of Candida albicans in rabbits and humans. Jones JM. **J Lab Clin Med** 1980 Nov; 96(5):845-60

Strain differences in production of direct plaque-forming cells in response to DNP-Ficoll, a thymus-independent antigen, in mice. Kakinuma M, et al. **Microbiol Immunol** 1981;25(2):209-14

Structure and antigenic activity of the capsular polysaccharide of Cryptococcus neoformans serotype A. Cherniak R, et al. **Mol Immunol** 1980 Aug;17(8):1025-32

[Stimulation of nonspecific body resistance by mytilan, a polysaccharide isolated from the mussel. Crenomytilis grayanus] Zaporozhets TS, et al. **Antibiotiki** 1981 Jun; 26(6):460-5 (Eng. Abstr.) **(Rus)**

[Polysaccharide complex of human ovarian cancer studied by the microprecipitation reaction] Gorodilova VV, et al. **Vopr Onkol** 1980;26(11):62-5 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Galactose-containing polysaccharides from the human pathogens Sporothrix schenckii and Ceratocystis stenoceras. Mendonça-Previato L, et al. **Infect Immun** 1980 Sep;29(3):934-9

Isolation and characterization of a mannan-binding protein from rat liver. Mizuno Y, et al. **J Biol Chem** 1981 May 10;256(9):4247-52

Human lymphocyte-activating properties of a purified polysaccharide from Candida albicans: B and T cell cooperation in the mitogenic response. Piccolella E, et al. **J Immunol** 1980 Nov;125(5):2082-8

Studies on antitumor polysaccharides, especially D-II, from mycelium of Coriolus versicolor. Sugiura M, et al. **Jpn J Pharmacol** 1980 Aug;30(4):503-13

METABOLISM

Polysaccharide (amylopectin-like) storage myopathy histochemical ultrastructural and biochemical studies. Pellissier JF, et al. **Acta Neuropathol [Suppl] (Berl)** 1981; 7:292-6

Utilization of xylan by two species of human colonic Bacteroides. Salyers AA, et al. **Appl Environ Microbiol** 1981 Apr;41(4):1065-8

The role of the periplasmic maltose-binding protein and the outer-membrane phage lambda receptor in maltodextrin transport of Escherichia coli. Ferenci T, et al. **Biochem Soc Trans** 1980 Dec;8(6):680-1

Purification of an acidic alpha-D-mannosidase from Aspergillus saitoi and specific cleavage of 1,2-alpha-D-mannosidic linkage in yeast mannan. Ichishima E, et al. **Biochim Biophys Acta** 1981 Mar 13; 658(1):45-53

Affinity chromatography of hepatic glutathione S-transferases on omega-aminoalkyl sepharose derivatives of glutathione. Inoue M, et al. **Biochim Biophys Acta** 1981 Jun 15;659(2):362-9

Cooperative action of beta-glucan synthetase and UDP-xylose xylosyl transferase of Golgi membranes in the synthesis of xyloglucan-like polysaccharide. Ray PM. **Biochim Biophys Acta** 1980 May 22;629(3):431-44

Changes in the chemical composition of oospores of Pythium aphanidermatum during bimodal germination. Ruben DM, et al. **Can J Microbiol** 1981 May;27(5):536-43

Absorption and malabsorption of dietary carbohydrate. Gray GM. **Curr Concepts Nutr** 1980;9:43-53

Viscosity differences between various guar gums. O'Connor N, et al. **Diabetologia** 1981 Jun;20(6):612-5

The recognition of maltodextrins by Escherichia coli. Ferenci T. **Eur J Biochem** 1980 Jul;108(2):631-6

Histochemical study of polysaccharides in some arteries of the region of the heart of black vulture (Coragyps atratus). Pai VD, et al. **Folia Histochem Cytochem (Krakow)** 1981; 19(1):47-53

Mannan-hydrolyzing enzymes of yeasts and yeast-like organism. Augustin J, et al. **Folia Microbiol (Praha)** 1980; 25(4):301-5

Mannan-binding protein in lymphoid tissues of rats. Kawasaki T, et al. **J Biochem (Tokyo)** 1980 Dec; 88(6):1891-4

Polysaccharide and cytoplasmic changes in motoneurons during 'chromatolysis' in the opossum spinal cord. Magalhaes-Castro HH, et al. **J Comp Neurol** 1981 Feb 10; 196(1):53-71

Idiotype-anti-idiotype regulation. I. Immunization with a levan-binding myeloma protein leads to the appearance of auto-anti-(anti-idiotype) antibodies and to the activation of silent clones. Bona CA, et al. **J Exp Med** 1981 Apr 1;153(4):951-67

Transient concanavalin A-binding glycoproteins of the parallel fibres of the developing rat cerebellum: evidence for the destruction of their glycans. Reeber A, et al. **J Neurochem** 1980 Dec;35(6):1273-7

The role of the Escherichia coli lambda receptor in the transport of maltose and maltodextrins. Ferenci T, et al. **J Supramol Struct** 1980;13(1):101-16

Ultrastructural study of membrane glycocalyx in primary and metastatic human and rat mammary carcinoma. Ghosh L, et al. **J Surg Oncol** 1981;17(4):395-401

Muscle phosphofructokinase deficiency: abnormal polysaccharide in a case of late-onset myopathy. Hays AP, et al. **Neurology (NY)** 1981 Sep;31(9):1077-86

Studies on the active center of D- and L-lactate dehydrogenases using oxamate-diaminohexyl-Sepharose affinity chromatography. Tuengler P, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):5832-6

[A simple technic for immobilization of NAD+ preserving its coenzyme activity] Schöpp W, et al. **Acta Biol Med Ger** 1980;39(2-3):335-7 **(Ger)**

[Fate of lentinan (antitumor polysaccharide) II : - fast of methyl lentinan in rats (author's transl)] O'Hara Y. **J Toxicol Sci** 1980 Dec;5 Suppl:73-80 (Eng. Abstr.) **(Jpn)**

[Fate of lentinan (antitumor polysaccharide) I : - fate of lentinan in mice, rats, and dogs (author's transl)] O'Hara Y. **J Toxicol Sci** 1980 Dec;5 Suppl:59-72 (Eng. Abstr.) **(Jpn)**

[Normal 17-day-old human embryo. Qualitative and quantitative characteristics of polysaccharides in developing primordia] Shapovalov IuN, et al. **Arkh Anat Gistol Embriol** 1980 Apr;78(4):64-9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of guar gum on body weight and serum lipids in hypercholesterolemic females. Tuomilehto J, et al. **Acta Med Scand** 1980;208(1-2):45-8

Blood inflow and coagulation in vascular catheters. Comparison of the effect of polysaccharide solutions, saline and contrast medium. Dahlborn M, et al. **Acta Radiol [Diagn] (Stockh)** 1980;21(6):715-20

Inhibition of human elastase from polymorphonuclear leucocytes by gold sodium thiomalate and pentosan polysulfate (SP-54). Baici A, et al. **Biochem Pharmacol** 1981 Apr 1;30(7):703-8

Effect of dithiothreitol on the modulation of antithrombin III activity by sulphated polysaccharides. Long WF, et al. **Biochem Soc Trans** 1981 Feb;9(1):68-9

The effect of Karaya gum on tooth enamel. Lamb DJ. **Br Dent J** 1981 May 5;150(9):250-2

Effect of sulphated polysaccharides on the alpha 1-antitrypsin inhibition of amidolysis catalysed by coagulation cascade proteinases. Long WF, et al. **Br J Pharmacol** 1981 Jun;73(2):505-9

The influence of carbohydrate gelling agents on rat intestinal transport of monosaccharides and neutral amino acids in vitro. Elsenhans B, et al. **Clin Sci** 1980 Nov;59(5):373-80

Effect of guar gum on 24-hour insulin requirements of insulin-dependent diabetic subjects as assessed by an artificial pancreas. Christiansen JS, et al. **Diabetes Care** 1980 Nov-Dec;3(6):659-62

Influence of fucoidan on the intestinal absorption of iron, cobalt, manganese and zinc in rats. Becker G, et al. **Digestion** 1981;21(1):6-12

In vitro inhibition of rat intestinal surface hydrolysis of disaccharides and dipeptides by guaran. Elsenhans B, et al. **Digestion** 1981;21(2):98-103

Inhibition of the intestinal absorption of iron by sodium alginate and guar gum in rats. Wölbling RH, et al. **Digestion** 1980;20(6):403-9

Glycan stimulation of macrophages in vitro. Seijelid R, et

al. **Exp Cell Res** 1981 Jan;131(1):121–9

Purification and characterization of a mouse serum glycoprotein increased in level by administration of an antitumor polysaccharide, lentinan. Itoh O, et al. **Gan** 1980 Oct;71(5):644–50

Effect of gel-forming gums on the intestinal unstirred layer and sugar transport in vitro. Johnson IT, et al. **Gut** 1981 May;22(5):398–403

Influence of yeast mannan on human neutrophil functions: inhibition of release of myeloperoxidase related to carbohydrate-binding property of the enzyme. Wright CD, et al. **Infect Immun** 1981 May;32(2):731–8

Effect of lentinan on the production of migration inhibitory factor induced by syngeneic tumor in mice. Zákány J, et al. **Int J Cancer** 1980 Dec 15;26(6):783–8

Effects of monensin and amicloral on rumen fermentation. Chalupa W, et al. **J Anim Sci** 1980 Jul;51(1):170–9

Liposomal membranes. VI. Polysaccharide-induced aggregation of multilamellar liposomes of egg lecithin. Sunamoto J, et al. **J Biochem (Tokyo)** 1980 Nov; 88(5):1219–26

Immunoglobulin–sulfated polysaccharide interactions. Binding of agaropectin and heparin by human IgG proteins. Levy DE, et al. **J Exp Med** 1981 Apr 1;153(4):883–96

Generation of suppressor cells in the response of human lymphocytes to a polysaccharide from Candida albicans. Piccolella E, et al. **J Immunol** 1981 Jun;126(6):2151–5

Activation of first component of complement (C1) in guinea pig serum by a polysaccharide is prevented by C1 inhibitor. Schultz DR, et al. **J Immunol** 1981 Apr;126(4):1558–61

The quantification of neutrophil orientation and migration under agarose--a new method for detecting directed and random movements. Palmblad J, et al. **J Immunol Methods** 1981;44(1):37–53

Purification of malic enzyme from Ascaris suum using NAD+–agarose. Allen BL, et al. **Mol Biochem Parasitol** 1981 Apr;2(5–6):367–72

Inhibition of thrombin on surfaces coated with immobilized heparin and heparin-like polysaccharides: a crucial non-thrombogenic principle. Larsson R, et al. **Thromb Res** 1980 Jul 1–15;19(1–2):43–54

Quantitative removal of heparin from plasma and other aqueous solutions by affinity adsorption on poly(L-lysine)–sepharose 4B. Mohammad SF, et al. **Thromb Res** 1980 Dec 1–15;20(5–6):599–609

Anticoagulant activities of a pentosane polysulphate: comparison with standard heparin and a fraction of low molecular weight heparin. Soria C, et al. **Thromb Res** 1980 Aug 15–Sep 1;19(4–5):455–63

Influence on the clotting mechanism of sodium pentosan polysulfate (SP54) in comparison to commercial beef lung sodium heparin. Vinazzer H, et al. **Thromb Res** 1980 Oct 1;20(1):57–68

[Nonspecific stimulation of resistance with mytilan--a polysaccharide isolated from the mussel Crenomytilus grayanus] Zaporozhets TS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Feb;(2):106–7 **(Rus)**

PHYSIOLOGY

Some unusual features of Physarum polycephalum chromatin are due to the presence of slime. Staroń K, et al. **Acta Biochim Pol** 1980;27(3–4):413–20

RADIATION EFFECTS

Effect of gamma irradiation, penicillin, and/or pectic enzyme on chick growth depression and fecal stickiness caused by rye, citrus pectin, and guar gum. Patel MB, et al. **Poult Sci** 1980 Sep;59(9):2105–10

THERAPEUTIC USE

A comparative study of Dextran 70 and a sulphated polysaccharide in the prevention of postoperative thromboembolic complications. Bergqvist D, et al. **Br J Surg** 1981 Jul;68(7):449–51

Growth-inhibitory activity of the D-mannan of Saccharomyces cerevisiae X2180-1A-5 mutant strain against mouse-implanted sarcoma 180 and Ehrlich-carcinoma solid tumor. Matsumoto T, et al. **Carbohydr Res** 1980 Aug 15;83(2):363–70

Studies on interrelation of structure and antitumor effects of polysaccharides: antitumor action of periodate-modified, branched (1 goes to 3)-beta-D-glucan of Auricularia auricula-judae, and other polysaccharides containing (1 goes to 3)-glycosidic linkages. Misaki A, et al. **Carbohydr Res** 1981 May 18;92(1):115–29

Reduced glycosuria during guar gum supplementation in non-insulin-dependent diabetics. A double-blind, randomised cross-over study. Stokholm KH, et al. **Dan Med Bull** 1981 Mar;28(1):41–2

Decreased urinary glucose excretion and plasma cholesterol level in non-insulin dependent diabetic patients with guar. Johansen K. **Diabete Metab** 1981 Jun;7(2):87–90

Inhibitory effects of Candida albicans extracellular polysaccharides on mouse sarcoma 180. Saltarelli CG, et al. **J Surg Oncol** 1980;15(1):99–106

Guar gum is not a panacea in diabetes management. Carroll DG, et al. **NZ Med J** 1981 May 13;93(683):292–4

Combined treatment of Lewis lung carcinoma by tumor excision and levan. Leibovici J, et al. **Oncology** 1981; 38(1):31–4

Mechanism of the inhibitory effect of levan on experimental tumors. Leibovici J, et al. **Recent Results Cancer Res** 1980; 75:173–9

Glycosylated haemoglobin, blood glucose and serum cholesterol levels in diabetics treated with guar gum. Botha AP, et al. **S Afr Med J** 1981 Mar 7;59(10):333–4

Glycosylated haemoglobin, blood glucose and serum cholesterol levels in diabetics treated with guar gum [letter] Rosman MS. **S Afr Med J** 1981 May 16;59(21):739–40

[Lack of effect of guar gum (Slocose) on blood glucose in insulin-treated diabetes mellitus] Krarup T, et al. **Ugeskr Laeger** 1980 Nov 3;142(45):2979–81 (Eng. Abstr.) **(Dan)**

[A multicenter controlled trial of a combination of kaolin, sterculia gum, meprobamate, and magnesium salts, in the irritable bowel syndrome (author's transl)] Capron JP, et al. **Gastroenterol Clin Biol** 1981 Jan;5(1):67–72 (Eng. Abstr.) **(Fre)**

[Essential cryofibrinogenemia. Treatment with SP-54 (fibrocid)] Monasterio MJ, et al. **Rev Clin Esp** 1981 Mar 31;160(6):421–2 **(Spa)**

TOXICITY

Subchronic effects of guar gum in rats. Graham SL, et al. **Food Cosmet Toxicol** 1981 Jun;19(3):287–90

Effect of detoxification treatments on the proteins of guar meal. Nath JP, et al. **J Agric Food Chem** 1981 May–Jun; 29(3):529–32

[Subacute toxicity study of lentinan in rats. 5-week intravenous treatment (author's transl)] Ishii H, et al. **J Toxicol Sci** 1980 Dec;5 Suppl:11–31 (Eng. Abstr.) **(Jpn)**

[Acute toxicity of lentinan in mice and rats (author's transl)] Moriyuki H, et al. **J Toxicol Sci** 1980 Dec;5 Suppl:1–9 (Eng. Abstr.) **(Jpn)**

[Intravenous chronic toxicity of lentinan in rats: 6-month treatment and 3-month recovery (author's transl)] Shimazu H, et al. **J Toxicol Sci** 1980 Dec;5 Suppl:33–57 (Eng. Abstr.) **(Jpn)**

POLYSACCHARIDES, BACTERIAL

Structure of the capsular polysaccharide (K6-antigen) from Escherichia coli LP 1092. Messner P, et al. **Biochem Biophys Res Commun** 1980 Oct 16;96(3):1003–10

Structural studies of two capsular polysaccharides elaborated by different strains of Haemophilus influenzae type e. Branefors-Helander P. **Carbohydr Res** 1981 Jan 15; 88(1):77–84

Structural investigation of the capsular polysaccharide of Klebsiella serotype K12. Dutton GG, et al. **Carbohydr Res** 1980 Aug 15;83(2):351–62

The structure of an extracellular, water-soluble polysaccharide elaborated by the cariogenic Streptococcus mutans GS-5. Higton FR, et al. **Carbohydr Res** 1980 Nov 1;86(1):105–12

Isolation and identification of 3,6-dideoxy-3-(L-glyceroyl-amino)-D-glucose. a constituent of the antigenic polysaccharide of Eubacterium saburreum, strain V5. Kondo W, et al. **Carbohydr Res** 1980 Aug 1;83(1):129–34

Conformation of crystalline type III pneumococcal polysaccharide. Marchessault RH, et al. **Carbohydr Res** 1980 Aug 15;83(2):287–302

Evidence of multiple branching in the levan elaborated by Streptococcus salivarius strain 51. Marshall K, et al. **Carbohydr Res** 1980 Aug 15;83(2):321–6

Structural studies of the Haemophilus influenzae type e capsular polysaccharide. Tsui FP, et al. **Carbohydr Res** 1981 Jan 15;88(1):85–92

Correlation of the biologic responses of C3H/HEJ mice to endotoxin with the chemical and structural properties of the lipopolysaccharides from Pseudomonas aeruginosa and Escherichia coli. Pier GB, et al. **J Immunol** 1981 Jul; 127(1):184–91

The type b capsular polysaccharide as a virulence determinant of Haemophilus influenzae: studies using clinical isolates and laboratory transformants. Moxon ER, et al. **J Infect Dis** 1981 Apr;143(4):517–24

Flocculation effect of xanthan gum in pharmaceutical suspensions. Tempio JS, et al. **J Pharm Sci** 1980 Oct; 69(10):1209–14

Interaction of xanthan gum with suspended solids. Tempio JS, et al. **J Pharm Sci** 1981 May;70(5):554–8

Capsule fine structure in thin slices of Klebsiella pneumoniae Biovar d (Richard). Schmid EN, et al. **J Ultrastruct Res** 1981 Apr;75(1):41–9

[Studies on the relationship between the pyrogen test and limulus test (author's transl)] Kanoh S, et al. **Eisei Shikenjo Hokoku** 1980;98:76–80 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

[Comparative results of lysozyme and prodigiozan aerosol treatment of complicated forms of pneumoconiosis] Mursalimov ZM, et al. **Gig Tr Prof Zabol** 1980;(12):55–7 **(Rus)**

ADVERSE EFFECTS

Adverse reactions to simultaneous influenza and pneumococcal vaccination. McCue JD. **J Fam Pract** 1981 Aug;13(2):175–7

ANALYSIS

Compositional studies on succinoglycan-like extracellular water-soluble Rhizobium polysaccharides. Ghai SK. **Acta Microbiol Pol** 1981;30(2):133–41

Persistence of protein, carbohydrate and was components of tubercle bacilli in dermal BCG lesions. Higuchi S, et al. **Am Rev Respir Dis** 1981 Apr;123(4 Pt 1):397–401

Chemical composition and ultrastructure of cellular and extracellular Moraxella glucidolytica lipopolysaccharides. Horisberger M, et al. **Arch Microbiol** 1980 Nov;128(1):12–8

Structure of the complex polysaccharide C-substance from Streptococcus pneumoniae type 1. Jennings HJ, et al. **Biochemistry** 1980 Sep 30;19(20):4712–9

Unique aspects of the cell surface polysaccharide of Pseudomonas phaseolicola as demonstrated by bacteriophage specificity. Anderson AJ. **Can J Microbiol** 1980 Dec;26(12):1422–7

The formation of microcolonies by rumen bacteria. Cheng KJ, et al. **Can J Microbiol** 1980 Sep;26(9):1104–13

The capsular polysaccharide of Klebsiella serotype K60; a novel, structural pattern. Dutton GG, et al. **Carbohydr Res** 1980 Dec 1;87(1):129–39

Structure of the capsular polysaccharide of Klebsiella serotype K53. Dutton GG, et al. **Carbohydr Res** 1980 Dec 1;87(1):107–17

Structure of the capsular polysaccharide of Klebsiella serotype K74. Dutton GS, et al. **Carbohydr Res** 1980 Dec 1;87(1):119–27

Structural investigation of Klebsiella serotype K46 polysaccharide. Okutani K, et al. **Carbohydr Res** 1980 Nov 15;86(2):259–71

Occurrence of polysaccharide granules in sporulating hyphae of Streptomyces viridochromogenes. Braña AF, et al. **J Bacteriol** 1980 Dec;144(3):1139–42

Comparative macromolecular composition of filaments and rods of a Bacillus megaterium thermoconditional morphological mutant. Yan LP, et al. **J Bacteriol** 1980 Oct; 144(1):454–6

Lipid on capsular polysaccharides of gram-negative bacteria. Gotschlich EC, et al. **J Biol Chem** 1981 Sep 10; 256(17):8915–21

Quantitative determination of pneumococcal capsular polysaccharides in the polyvalent vaccine. I. Standardization of an immunoelectrophoretic method. Lee CJ, et al. **J Biol Stand** 1980;8(4):271–80

Investigation of enzyme immunoassay time courses: development of rapid assay systems. Yolken RH, et al. **J Clin Microbiol** 1981 Apr;13(4):738–41

Immunoelectron microscopic study of the location of group-specific and type-specific polysaccharide antigens on isolated walls of group B streptococci. Wagner M, et al. **J Gen Microbiol** 1980 Oct;120(Pt 2):369–76

Haemophilus influenzae type b capsular polysaccharide detection and measurement by an enzyme-linked immunosorbent assay (ELISA). Tiller FW, et al. **Zentralbl Bakteriol [A]** 1981 Feb;248(4):488–93

[Immunochemical studies of O-antigen in attenuated Salmonella mutants] Wonitzki C. **Arch Exp Veterinaermed** 1980;34(1):33–42 (Eng. Abstr.) **(Ger)**

[Structure of mannan from Pasteurella multicoda] Erler W, et al. **Z Allg Mikrobiol** 1981;21(3):191–200 **(Ger)**

[Extracellular polysaccharides of plaque streptococci. 1. Thin-layer chromatographic studies (author's transl)] Klimm W, et al. **Zahn Mund Kierferheilkd** 1981;69(2):105–9 (Eng. Abstr.) **(Ger)**

[Growth of salmonella R-mutants in submersed cultures. 2. Influence of growth phases on the lipopolysaccharide content of the bacteria and on the chemical composition and serological behavior of the lipopolysaccharides (author's transl)] Schlecht S, et al. **Zentralbl Bakteriol [A]** 1980;248(3):352–67 **(Ger)**

ANTAGONISTS & INHIBITORS

Experimental allergic encephalomyelitis in Lewis rats: inhibition by bacterial lipopolysaccharides and acquired resistance to reinduction by challenge with myelin basic protein. Raziuddin S, et al. **J Immunol** 1981 Jul;127(1):16–20

BIOSYNTHESIS

Growth yields, polysaccharide production and energy conservation in chemostat cultures of Rhizobium trifolii. de Hollander JA, et al. **Antonie Van Leeuwenhoek** 1979; 45(3):401–15

Regulation of extracellular slime production by Actinomyces viscosus. Ooshima T, et al. **Infect Immun** 1981 Jun; 32(3):1105–12

Teichoic and teichuronic acids: biosynthesis, assembly, and location. Ward JB. **Microbiol Rev** 1981 Jun;45(2):211–43 (186 ref.)

Growth and accumulation of polysaccharide by Xanthomonas campestris. Behrens U, et al. **Z Allg Mikrobiol** 1980;20(3):209–13

[Studies on pathogenic Escherichia coli. (IV) Relation of capsular polysaccharide synthesis to antibiotic susceptibility, biochemical properties and pathogenicity (author's transl)] Tseng CC. **Taiwan I Hsueh Hui Tsa Chih** 1980 May;79(5):500–10 (Eng. Abstr.) **(Chi)**

[Studies on pathogenic Escherichia coli. (VII). Factors influencing the production and activity of capsular polysaccharide-synthesizing Escherichia coli exotoxins (author's transl)] Tseng CC.
Taiwan I Hsueh Hui Tsa Chih 1981 Mar;80(3):322–30 (Eng. Abstr.) **(Chi)**

[Gelatinous deposits of a special microbial population on pitwood] Kraepelin G, et al. **Z Allg Mikrobiol** 1980; 20(5):303–14 (Eng. Abstr.) **(Ger)**

[Localization of extracellular polysaccharide synthesis in Mycobacterium lacticolum] Botvinko IV, et al.
Biol Nauki 1981;(4):95–9 **(Rus)**

[Conditions for exopolysaccharide biosynthesis by Mycobacterium mucosum and its composition] Botvinko IV, et al. **Mikrobiologiia** 1981 Mar–Apr;50(2):229–33 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Enzyme immunoassay of the capsular polysaccharide of Streptococcus pneumoniae type III in cerebrospinal fluid in experimental meningitis. Nolan CM, et al.
J Med Microbiol 1980 Nov;13(4):551–60

CHEMICAL SYNTHESIS

Synthesis of oligosaccharide phosphates: fragments of the biosynthetic intermediates of Salmonella O-specific polysaccharides. Danilov LL, et al. **Carbohydr Res** 1980 Dec 1;87(1):141–6

CLASSIFICATION

[Classification of precipitates formed by meningococcal group antigens during counterimmunoelectrophoresis] Belova TN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Feb;(2):67–71 (Eng. Abstr.) **(Rus)**

GENETICS

Genetic mapping of chromosomal determinants for the production of the exopolysaccharide alginate in a Pseudomonas aeruginosa cystic fibrosis isolate. Ohman DE, et al. **Infect Immun** 1981 Jul;33(1):142–8

Molecular cloning of the K1 capsular polysaccharide genes of E. coli. Silver RP, et al. **Nature** 1981 Feb 19; 289(5799):696–8

IMMUNOLOGY

Immunologic response to pneumococcal polysaccharide vaccine in infants. Sloyer JL Jr, et al.
Ann Otol Rhinol Laryngol [Suppl] 1980 May–Jun;89(3 Pt 2 Suppl 68):351–6

Antibodies against extractable components from Propionibacterium acnes in humans with and without acne vulgaris. Dalen A, et al. **Arch Dermatol Res** 1980; 269(3):253–9

The affinity of bacterial polysaccharide–containing fractions for mammalian cell membranes and its relationship to immunopotentiating activity. Davies M, et al.
Biochim Biophys Acta 1981 Apr 22;643(1):17–29

Evidence that antibodies to polysaccharide alter platelet responses to endotoxin in tolerant rabbits. Walker RI, et al. **Can J Microbiol** 1980 Oct;26(10):1241–6

The sugar sequence of a streptococcal, immunogenic tetraheteroglycan: a revision. Pazur JH, et al.
Carbohydr Res 1980 Aug 15;83(2):406–8

Antigen requirements for priming of IgG producing B memory cells specific for Type III pneumococcal polysaccharide. Braley-Mullen H. **Immunology** 1980 Aug; 40(4):521–7

Maternal–foetal interaction, antibody formation, and metabolic response in mice immunized with pneumococcal polysaccharides. Lee CJ. **Immunology** 1980 Sep;41(1):45–54

Common polysaccharide antigens from the cell envelope of Clostridium perfringens type A. Dayalu KI, et al.
Infect Immun 1981 Feb;31(2):608–14

Murine immunoprotective activity of Klebsiella pneumoniae cell surface preparations: comparative study with ribosomal preparations. Fournier JM, et al. **Infect Immun** 1981 May; 32(2):420–6

Artificial Salmonella vaccines: Salmonella typhimurium O-antigen–specific oligosaccharide–protein conjugates elicit opsonizing antibodies that enhance phagocytosis. Jörbeck HJ, et al. **Infect Immun** 1981 May;32(2):497–502

Immunochemical characterization of Brucella lipopolysaccharides and polysaccharides. Moreno E, et al.
Infect Immun 1981 Jan;31(1):214–22

Purification and immunological characterization of a rhamnose–glucose antigen from Streptococcus mutans 6517-T2 (serotype g). Prakobphol A, et al.
Infect Immun 1980 Oct;30(1):140–6

Direct evidence for the involvement of capsular polysaccharide in the immunoprotective activity of Klebsiella pneumoniae ribosomal preparations. Riottot MM, et al. **Infect Immun** 1981 Jan;31(1):71–7

Effect of carbohydrates on adherence of Escherichica coli to human urinary tract epithelial cells. Schaeffer AJ, et al. **Infect Immun** 1980 Nov;30(2):531–7

Artificial Salmonella vaccines: Salmonella typhimurium O-antigen–specific oligosaccharide–protein conjugates elicit protective antibodies in rabbits and mice. Svenson SB, et al. **Infect Immun** 1981 May;32(2):490–6

Immunochemical characterization of cross–reactivity of pneumococcal group 9 capsular polysaccharide types 9N, 9A, 9L, and 9V. Szu S, et al. **Infect Immun** 1981 Jan; 31(1):371–9

Enzyme linked immunosorbent assays for the estimation of immune responses to pneumococcal polysaccharides. Melville-Smith M, et al. **J Biol Stand** 1980;8(4):317–22

Identification of the group G antigen of Lactobacilli. Knox KW, et al. **J Gen Microbiol** 1980 Jul;119(1):203–9

Streptococcal infection in young pigs. V. An immunogenic polysaccharide from Streptococcus suis type 2 with particular reference to vaccination against streptococcal meningitis in pigs. Elliott SD, et al. **J Hyg (Lond)** 1980 Oct;85(2):275–85

Direct demonstration of specific suppressor T cells in the mice tolerant to type III pneumococcal polysaccharide: two-step requirement for development of detectable suppressor cells. Braley-Mullen H. **J Immunol** 1980 Oct; 125(4):1849–54

Immunochemistry of groups A, B, and C meningococcal polysaccharide–tetanus toxoid conjugates. Jennings HJ, et al. **J Immunol** 1981 Sep;127(3):1011–8

A radioactive antigen–binding assay for the measurement of antibody to Haemophilus influenzae type b capsular polysaccharide. Kuo JS, et al. **J Immunol Methods** 1981; 43(1):35–47

Variations of Bacteroides fragilis with in vitro passage: presence of an outer membrane–associated glycan and loss of capsular antigen. Kasper DL, et al. **J Infect Dis** 1980 Nov;142(5):750–6

Antibody response to capsular polysaccharides of groups A and C neisseria meningitidis and Haemophilus influenzae type b during bacteremic disease. Käyhty H, et al.
J Infect Dis 1981 Jan;143(1):32–41

Breast milk antibody to the capsular polysaccharide of Haemophilus influenzae type b. Pichichero ME, et al.
J Infect Dis 1980 Nov;142(5):694–8

Comparison of radioimmunoassay and indirect hemagglutination for quantitation of antipneumococcal antibodies. Selzer J, et al. **J Lab Clin Med** 1981 Apr; 97(4):511–20

Immune response to meningococcal vaccines [letter] Gold R. **J Pediatr** 1981 May;98(5):854–6

Observations on the nature of the determinants in anaerobic coryneforms which produce splenomegaly. Cummins CS, et al. **J Reticuloendothel Soc** 1981 Jan;29(1):1–13

Intact antibody response to pneumococcal capsular polysaccharides in uremia and diabetes. Friedman EA, et al. **JAMA** 1980 Nov 21;244(20):2310–1

Response to pneumococcal polysaccharide vaccine in patients with untreated Hodgkin's disease. Children's Cancer Study Group Report. Addiego JE Jr, et al.
Lancet 1980 Aug 30;2(8192):450–2

Microbial adjuvant and autoimmunity. IV. Production of lesions in the exocrine pancreas of mice by repeated injection of syngeneic pancreatic extract together with the capsular polysaccharide of Klebsiella pneumoniae. Yamaki K, et al. **Microbiol Immunol** 1980;24(10):945–56

Adjuvant action of capsular polysaccharide of Klebsiella pneumoniae on antibody response. IX. Its effect on the histology of the regional lymph node and other lymphoid organs. Yokochi T, et al. **Microbiol Immunol** 1980; 24(10):933–44

Phylogeny of immunoglobulin structure and function--VIII. Intermolecular heterogeneity of shark 19S IgM antibodies to pneumococcal polysaccharide. Shankey TV, et al.
Mol Immunol 1980 Mar;17(3):365–75

Opsonization of Salmonella enteritidis lipopolysaccharide in sickle cell disease. Field RJ, et al. **Pediatr Res** 1981 Feb; 15(2):107–11

Immunochemical determination of the configuration of a haptenic substituent. Heidelberger M, et al.
Proc Natl Acad Sci USA 1980 Jul;77(7):4244–6

Haemophilus influenzae type B polysaccharide–protein conjugates: model for a new generation of capsular polysaccharide vaccines. Schneerson R, et al.
Prog Clin Biol Res 1980;47:77–94

Regulation of the antibody response to pneumococcal polysaccharide by thymus–derived cells. Baker PJ, et al. **Rev Infect Dis** 1981 Mar–Apr;3(2):332–41

Antibodies to streptococcal carbohydrate: substitutes for the myeloma proteins. Krause RM, et al. **Rev Infect Dis** 1979 Nov–Dec;1(6):904–11 (19 ref.)

Chemical structure of and immune response to polysaccharides of Streptococcus pneumoniae. Lee CJ, et al. **Rev Infect Dis** 1981 Mar–Apr;3(2):323–31 (29 ref.)

Immune responses to pneumococcal polysaccharide antigens: a comparison of the murine model and the response in humans. Schiffman G. **Rev Infect Dis** 1981 Mar–Apr; 3(2):224–32 (39 ref.)

A gene of the immunoglobulin H–chain cluster controls the murine antibody response to pneumococcal polysaccharide type 14. Mäkelä O, et al. **Scand J Immunol** 1980;12(2):155–8

Protection against mouse typhoid by artificial Salmonella vaccines. Svenson SB, et al. **Scand J Infect Dis [Suppl]** 1980;Suppl 24:210–5

The immune response to a meningococcal polysaccharide vaccine in an African village. Greenwood BM, et al.
Trans R Soc Trop Med Hyg 1980;74(3):340–6

[Antigenic similarity between polysaccharide and ribosomal vaccine extracts from Klebsiella pneumonia] Robert D, et al. **C R Acad Sci [D] (Paris)** 1981 Jan 19;292(3):281–4 (Eng. Abstr.) **(Fre)**

[An animal model for testing the activity of meningococcal polysaccharide vaccine] Huet M, et al. **J Biol Stand** 1981 Jan;9(1):67–74 (Eng. Abstr.) **(Fre)**

[Investigations on the immune response against meningococcal polysaccharide in children (author's transl)] Ambrosch F, et al. **Immun Infekt** 1980;8(1):11–8 (Eng. Abstr.) **(Ger)**

[Comparative study of antistreptolysin O, anti–streptokinase and anti–streptozyme antibodies and antibodies against polysaccharides of group A Streptococcus] Teti G, et al.
Ann Sclavo 1980 Jan–Feb;22(1):92–8 (Eng. Abstr.) **(Ita)**

[Prodigiozan as an activator of peritoneal macrophages] Rastunova GA, et al. **Antibiotiki** 1981 Jun;26(6):465–9 (Eng. Abstr.) **(Rus)**

[Isolation of high affinity antibodies to streptococcal group A polysaccharide reacting with thymus and cutaneous epithelial cells] Kolesnikova VIu, et al.
Biull Eksp Biol Med 1980 Dec;90(12):708–10 (Eng. Abstr.) **(Rus)**

[Immunologic tolerance to surface polysaccharides of serogroup A and C meningococci] Mokrenko AI.
Biull Eksp Biol Med 1980 Sep;90(9):339–41 (Eng. Abstr.) **(Rus)**

[Distribution of a cross–reacting antigen common to group A streptococcal polysaccharide and multilayer squamous epithelium in different human organs] Silagadze DG, et al. **Biull Eksp Biol Med** 1980 Nov;90(11):575–7 (Eng. Abstr.) **(Rus)**

[Immunity indices during the use of prodigiozan in treating acute pneumonias] Grigor'ev PIa, et al. **Sov Med** 1980; (11):111–3 **(Rus)**

[Immunological control of the use of prodigiozan in treating acute pneumonias] Mal'tsev VI. **Vrach Delo** 1980 Oct; (10):91–2 **(Rus)**

[Cross reactions between polysaccharides of group A, L, and A–variant streptococci] Borodiiuk NA, et al.
Zh Mikrobiol Epidemiol Immunobiol 1980 Mar;(3):22–7 (Eng. Abstr.) **(Rus)**

[Immunogenicity of the surface polysaccharide of serotype A meningococci possessing different physico–chemical properties] Mokrenko AI, et al.
Zh Mikrobiol Epidemiol Immunobiol 1981 Apr;(4):59–63 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Characterization of Neisseria meningitidis capsular polysaccharides containing sialic acid by pyrolysis mass spectrometry. Haverkamp J, et al. **Anal Biochem** 1980 May 15;104(2):407–18

Isolation of polysaccharide antigens from the cell wall of group B Streptococcus, type Ib. Cumming CG, et al.
Antonie Van Leeuwenhoek 1981 Mar;47(1):93–4

Biological activities of crude polysaccharide extracted from two different immunotype strains of Hemophilus gallinarum in chickens. Iritani Y, et al. **Avian Dis** 1981 Jan–Mar;25(1):29–37

The teichuronic acid from the walls of Bacillus licheniformis A.T.C.C. 9945. Lifely MR, et al. **Biochem J** 1980 Nov 1; 191(2):305–18

Isolation and characterization of a new extracellular polysaccharide from a cellulose–negative strain of Acetobacter xylinum. Valla S, et al. **Can J Microbiol** 1981 Jun;27(6):599–603

Specific capsular polysaccharide of type 46 Streptococcus pneumoniae (American type 73). Benzing L, et al.
Infect Immun 1981 Jun;32(3):1024–7

Specific capsular polysaccharide of type 45 Streptococcus pneumoniae (American type 72). Daoust V, et al.
Infect Immun 1981 Jun;32(3):1028–33

Localization and partial characterization of soybean lectin–binding polysaccharide of Rhizobium japonicum. Tsien HC, et al. **J Bacteriol** 1981 Feb;145(2):1063–74

Phenol–extracted lipopeptidopoly–saccharide (LPPS) complex from Listeria monocytogenes. Mára M, et al.
J Hyg Epidemiol Microbiol Immunol (Praha) 1980; 24(2):164–76

[Modification of the polyacrylamide gel electrophoretic method for separating bacterial polysaccharides] Kovalenko EA. **Mikrobiol Zh** 1980 Jul–Aug;42(4):517–9 **(Rus)**

[Relation between the results of gel filtration and electrophoresis of serotype A and G meningococcal polysaccharides] Belova TN, et al.
Zh Mikrobiol Epidemiol Immunobiol 1981 Apr;(4):46–51 (Eng. Abstr.) **(Rus)**

METABOLISM

Factors influencing release of type III antigens by group B streptococci. Doran TI, et al. **Infect Immun** 1981 Feb; 31(2):615–23

Effects of fluoride, lithium and strontium on extracellular polysaccharide production by Streptococcus mutans and Actinomyces viscosus. Treasure P. **J Dent Res** 1981 Aug; 60 Spec No C:1601–10

Elaboration of both the group W135 and group Y capsular polysaccharides by a single strain of Neisseria meningitidis. Brandt BL, et al. **J Gen Microbiol** 1980 May;118(Pt 1):39–43

Penetration of dental plaque components into gingiva: sequential topical treatments with hyaluronidase and streptococcal polysaccharide in rats. Gaffar A, et al.

J Periodontol 1981 Apr;52(4):197–205

Salmonella bacteriophage glycanases: endorhamnosidase activity of bacteriophages P27, 9NA, and KB1. Wollin R, et al. **J Virol** 1981 Jun;38(3):1025–33

The penetration of antibiotics through sodium alginate and through the exopolysaccharide of a mucoid strain of Pseudomonas aeruginosa. Slack MP, et al. **Lancet** 1981 Sep 5;2(8245):502–3

Cross reaction of bacteriophage: cleavage of Klebsiella K31 capsular polysaccharide by E. coli capsule bacteriophage 29 endoglycosidase. Choy YM, et al. **Mol Immunol** 1980 Mar;17(3):391–3

Loss of covalently linked lipid as the mechanism for radiation-induced release of membrane-bound polysaccharides and exonuclease from Micrococcus radiodurans. Mitchel RE. **Radiat Res** 1981 Aug;87(2):341–9

PHARMACODYNAMICS

Adjuvant actions of polyclonal lymphocyte activators. III. Two distinct types of T-initiating adjuvant action demonstrated under different experimental conditions. Nakashima I, et al. **Cell Immunol** 1980 Jul 1;52(2):429–37

Adjuvant actions of polyclonal lymphocyte activators. IV. Augmentation of antigen retention occurring early and transiently at the site of injection and in the draining lymph node. Nakashima I, et al. **Cell Immunol** 1981 Jan 15; 57(2):477–85

A new endotoxin sensitive factor associated with hemolymph coagulation system of horseshoe crab (Limulidae). Ohki M, et al. **FEBS Lett** 1980 Nov 3;120(2):217–20

Effect of gram-negative bacterial lipopolysaccharide-derived polysaccharides, glycolipids, and lipopolysaccharides on rabbit and human platelets in vitro. Abdelnoor AM, et al. **Immunobiology** 1980 Jul;157(2):145–53

Mitogenic response of C3H/HeJ mouse lymphocytes to polyanionic polysaccharides obtained from Bordetella pertussis endotoxin and from other bacterial species. Girard R, et al. **Infect Immun** 1981 Jan;31(1):122–8

Antiphagocytic effect of Pseudomonas aeruginosa exopolysaccharide [letter] Ruhen RW, et al. **J Clin Pathol** 1980 Dec;33(12):1221–2

Formation of mononuclear phagocyte (macrophage) colonies by mouse spleen cells in liquid culture. II. Its inhibition by the capsular polysaccharide of Klebsiella pneumoniae. Yokochi T, et al. **Microbiol Immunol** 1981;25(1):31–9

Bone resorption stimulated by lipopolysaccharides from Bacteroides, Fusobacterium and Veillonella, and by the lipid A and the polysaccharide part of Fusobacterium lipopolysaccharide. Sveen K, et al. **Scand J Dent Res** 1980 Dec;88(6):535–42

[Effect of bacterial pyrogen on plasma concentrations of sulfonamides in rabbit (author's transl)] Yoshida M, et al. **Eisei Shikenjo Hokoku** 1980;98:81–5 (Eng. Abstr.) **(Jpn)**

[Effect of prodigiozan on the surface structures of peritoneal macrophages under the scanning electron microscope] Soboleva EL, et al. **Antibiotiki** 1981 Mar;26(3):124–6 (Eng. Abstr.) **(Rus)**

[Effect of salmozan on the lymphocyte proliferative activity of rat blood] Gordeeva MS, et al. **Patol Fiziol Eksp Ter** 1981 Jan–Feb;(1):36–9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Influence of mucoid coating on clearance of Pseudomonas aeruginosa from lungs. Blackwood LL, et al. **Infect Immun** 1981 May;32(2):443–8

Comparative virulence of Haemophilus influenzae with a type b or type d capsule. Roberts M, et al. **Infect Immun** 1981 May;32(2):518–24

Comparison of the reactions of the compact-colony forming active substance (CCFAS) to the clumping-factor reaction in a strain of Staphylococcus aureus with animal plasma. Ohtomo T, et al. **Med Microbiol Immunol (Berl)** 1980; 168(4):261–5

THERAPEUTIC USE

Successful immunotherapy with micrococcus, BCG or related polysaccharides on L1210 leukaemia after BCNU chemotherapy. Verloes R, et al. **Br J Cancer** 1981 Feb; 43(2):201–9

Experimental animal tumor immunotherapy with bacterial polysaccharide. Zhao JQ, et al. **Chin Med J [Engl]** 1981 Jun;94(6):375–8

Prevention of experimental allergic encephalomyelitis by bacterial lipopolysaccharides: inhibition of cell-mediated immunity. Raziuddin S, et al. **J Immunol** 1981 Jul; 127(1):13–6

Pneumococcal capsular polysaccharide vaccination in adult chronic hemodialysis patients. Katz LA, et al. **Trans Am Soc Artif Intern Organs** 1980;26:369–71

TOXICITY

Increased susceptibility to lethal effects of bacterial lipopolysaccharide in mice with B-cell leukemia. Muirhead MJ, et al. **JNCI** 1981 Apr;66(4):745–53

POLYSOMES see **POLYRIBOSOMES**

POLYSORBATE 20 see **POLYSORBATES**

POLYSORBATE 80 see **POLYSORBATES**

POLYSORBATES

Extraction of the apo B cluster from human low density lipoprotein with Tween 80. Ikai A. **J Biochem (Tokyo)** 1980 Nov;88(5):1349–57

ADMINISTRATION & DOSAGE

Effect of microbial fractions and vehicle on survival of mice bearing Lewis lung carcinoma. Richman SP, et al. **Cancer Treat Rep** 1980;64(12):1329–33

PHARMACODYNAMICS

Tween-20 increases the immunoreactivity of apolipoprotein A-I in plasma. Mao SJ, et al. **Biochim Biophys Acta** 1980 Dec 5;620(3):447–53

Temperature dependent rise in activity of horseradish peroxidase caused by non-ionic detergents and its use in enzyme-immunoassay. Porstmann B, et al. **Clin Chim Acta** 1981 Jan 22;109(2):175–81

The role of vitamin E in preventing the hemolysis of kid and chick erythrocytes with Tween 20. Hamada T, et al. **Experientia** 1980 Aug 15;36(8):978–9

Drug interaction studies on amphibian vasoconstrictor responses to mast cell degranulators. Gambhir SS, et al. **Indian J Med Res** 1980 Jun;71:933–9

Adjuvant and immunosuppressive effects of retinol and Tween 80 on IgG production in mice. Barnett JB, et al. **Int Arch Allergy Appl Immunol** 1980;63(2):145–52

Effect of Tween 80 on the morphology and physiology of Lactobacillus salivarius strain IV CL-37 grown in a chemostat under glucose limitation. Jacques NA, et al. **J Gen Microbiol** 1980 Jul;119(1):195–201

Inhibition of Corynebacterium ulcerans toxin production by Tween 80. Abrehem K, et al. **J Med Microbiol** 1980 Nov; 13(4):581–4

[Increase of horseradish peroxidase activity due to detergents] Porstmann B, et al. **Z Med Lab Diagn** 1980; 21(3):180–1 **(Ger)**

[Optimization of the horseradish peroxidase activity determination] Porstmann B, et al. **Z Med Lab Diagn** 1980; 21(4):201–9 (Eng. Abstr.) **(Ger)**

POLYSTYRENES

The adsorptive characteristics of proteins for polystyrene and their significance in solid-phase imunoassays. Cantarero LA, et al. **Anal Biochem** 1980 Jul 1;105(2):375–82

In vitro stimulation of alveolar macrophage metabolic activity by polystyrene in the absence of phagocytosis. Williams AJ, et al. **Br J Exp Pathol** 1981 Feb;62(1):1–7

Efficiencies of liquid-liquid extraction and XAD-4 and XAD-7 resins in collecting organic compounds from a coke plant's effluent. Schaeffer DJ, et al. **Bull Environ Contam Toxicol** 1980 Oct;25(4):569–73

Superior swelling properties of resins of poly-N-acrylyldialkylamines over polystyrene in solvents for peptide synthesis. Stahl GL, et al. **Int J Pept Protein Res** 1980 Apr;15(4):331–4

Immunoassay with stable polystyrene latex particles. Kimura H. **J Immunol Methods** 1980;38(3–4):353–60

Selective immobilization of alpha-thrombin by surface-bound fibrin. Wilner GD, et al. **J Lab Clin Med** 1981 Mar;97(3):403–11

Adhesion of human and chicken red blood cells to polystyrene: influence of electrolyte and polyethylene glycol concentration. Horisberger M. **Physiol Chem Phys** 1980;12(3):195–204

Modification of the liquid used in spreading polystyrene embedded sections. Frangioni G, et al. **Stain Technol** 1980 Jan;55(1):52

ADMINISTRATION & DOSAGE

Effect of addition of 10% Amberlite XAD-2 to the diet on serum cholesterol and atherogenesis in rabbits. Yezersky M, et al. **J Lab Clin Med** 1980 Dec;96(6):965–73

ADVERSE EFFECTS

Kayexalate: a new cause of neonatal bowel opacification. Sherman S, et al. **Radiology** 1981 Jan;138(1):63–4

DIAGNOSTIC USE

Biologic gastric emptying time using Tc-99m TETA polystyrene resin in various clinical conditions. Kim EE, et al. **Eur J Nucl Med** 1981 Apr;6(4):155–8

99mTc-labeled triethylenetetramine polystyrene; an agent for imaging segments of the gastrointestinal tract in humans. Theodorakis MC, et al. **Int J Nucl Med Biol** 1980;7(4):374–7

IMMUNOLOGY

Specific detection of different plasma proteins in gel filtration fractions by solid phase enzymeimmunoassay (EIA). Viljanen MK. **Acta Pathol Microbiol Scand [C]** 1980 Jun; 88C(3):145–7

PHARMACODYNAMICS

Inhibition of Babesia spp. by plastics. Timms P. **Appl Environ Microbiol** 1981 Jan;41(1):17–9

An improved preparation of antibody-coated polystyrene beads for sandwich enzyme immunoassay. Ishikawa E, et al. **J Immunoassay** 1980;1(3):385–98

Deletion of antigen-specific activity from leukocyte dialysates containing transfer factor by antigen-coated polystyrene. Borkowsky W, et al. **J Immunol** 1981 Feb; 126(2):486–9

[Effect of foreign bodies on the gallbladder mucosa of guinea pigs] Putz P, et al. **C R Soc Biol (Paris)** 1980;174(6):969–72 (Eng. Abstr.) **(Fre)**

TOXICITY

Effects of single and repeated exposures to thermo-oxidative degradation products of poly(acrylonitrile-butadiene-styrene) (ABS) on rat lung, liver, kidney, and brain. Zitting A, et al. **Arch Toxicol** 1980 Dec;46(3–4):295–304

Decrease of reduced glutathione in isolated rat hepatocytes caused by acrolein, acrylonitrile, and the thermal degradation products of styrene copolymers. Zitting A, et al. **Toxicology** 1980;17(3):333–41

POLYTEF see **POLYTETRAFLUOROETHYLENE**

POLYTETRAFLUOROETHYLENE

Complications of intravenous therapy with steel needles and Teflon catheters. A comparative study. Tully JL, et al. **Am J Med** 1981 Mar;70(3):702–6

Initial experience wit polytetrafluoroethylene for extraanatomic bypass. Fletcher JP, et al. **Am J Surg** 1980 May;139(5):696–9

Experience with 130 polytetrafluoroethylene grafts. Sladen JG, et al. **Am J Surg** 1981 May;141(5):546–8

Comparison between bovine heterograft and expanded PTFE grafts for dialysis access. Lilly L, et al. **Am Surg** 1980 Dec; 46(12):694–6

Systemic-Pulmonary shunts inneonates and infants using microporous expanded polytetrafluoroethylene: immediate and late results. Donahoo JS, et al. **Ann Thorac Surg** 1980 Aug;30(2):146–50

Postoperative angiographic assessment of modified Blalock-Taussig shunts using expanded polytetrafluoroethylene (Gore-Tex). McKay R, et al. **Ann Thorac Surg** 1980 Aug;30(2):137–45

Polytetrafluoroethylene for microarterial prosthetic grafts. Derman GH, et al. **Arch Surg** 1981 Feb;116(2):211–6

Pseudointima in expanded polytetrafluoroethylene graft implanted in the inferior vena cava of normal and defibrinogenated dogs. Ishimaru S, et al. **Artif Organs** 1981 May;5(2):143–51

Light and electron microscopy of polytetrafluoroethylene arterial grafts in dogs. Brook WH, et al. **Aust NZ J Surg** 1980 Dec;50(6):634–9

Vascular access for hemodialysis using bovine heterografts and polytetrafluoroethylene conduits. Salmon PA. **Can J Surg** 1981 Jan;24(1):59–63

Postoperative hemodynamics in children with polytetrafluoroethylene shunts. Kulik TJ, et al. **Circulation** 1981 Aug;64(2 Pt 2):123–30

A large-bore teflon endoprosthesis with side holes for nonoperative decompression of the biliary tract in malignant obstructive jaundice. Hoevels J, et al. **Gastrointest Radiol** 1980 Nov 15;5(4):361–6

Occurrence of occlusive intimal changes in an expanded polytetrafluoroethylene graft. Carson SN, et al. **J Cardiovasc Surg (Torino)** 1980 Jul–Aug;21(4):503–8

Expanded polytetrafluoroethylene as a microvascular graft: an experimental study. Lidman DH, et al. **J Microsurg** 1980 May–Jun;1(6):447–56

Improved hemodialysis access in children. Applebaum H, et al. **J Pediatr Surg** 1980 Dec;15(6):764–9

Bovine carotid artery and expanded polytetrafluoroethylene grafts for hemodialysis vascular access. Anderson CB, et al. **J Surg Res** 1980 Aug;29(2):184–8

Prospective comparison of polytetrafluoroethylene and bovine grafts for dialysis. Bone GE, et al. **J Surg Res** 1980 Sep;29(3):223–7

Evaluation of microvascular prosthesis of microporous polytetrafluorethylene. Tizian C, et al. **J Surg Res** 1981 Feb;30(2):159–64

Proplast grafting: a new method for stabilization of maxillary advancements. Burton DJ, et al. **Oral Surg** 1980 Nov; 50(5):387–9

Porous alloplastic implants. Homsy C. **Rev Laryngol Otol Rhinol (Bord)** 1981 Jan–Feb; 102(1–2):77–80

Expanded polytetrafluoroethylene tube grafts for repeated vascular access. Jacobson JE, et al. **S Afr J Surg** 1979 Jun; 17(2):89–92

Axillofemoral bypass grafts using polytetrafluoroethylene. Alexander RH, et al. **South Med J** 1980 Oct;73(10):1325–9, 1332

The limitations of polytetrafluoroethylene in the reconstruction of femoropopliteal and tibial arteries. Hallett JW Jr, et al. **Surg Gynecol Obstet** 1981 Jun;152(6):819–21

Preliminary experience with expanded polytetrafluoroethylene grafts inserted for chronic occlusive disease of the femoro-popliteal artery segment. Stirnemann P, et al. **Thorac Cardiovasc Surg** 1981 Apr; 29(2):110–3

Using expanded polytetrafluoroethylene for bridging arterial

microvascular defects: an experimental study with evaluation in the scanning electron microscopy. Tizian C, et al. **Thorac Cardiovasc Surg** 1980 Aug;28(4):273–6

Effects of fluid shear and temperature on protein adsorption on teflon surfaces. Eberhart RC, et al. **Trans Am Soc Artif Intern Organs** 1980;26:185–93

Enhanced thromboresistance of surfaces by denucleation. Madras PN, et al. **Trans Am Soc Artif Intern Organs** 1980; 26:153–8

Experience with one hundred reinforced expanded PTFE grafts for angioaccess in hemodialysis. Sabanayagam P, et al. **Trans Am Soc Artif Intern Organs** 1980;26:582–3

[Results of Goretex utilization in vascular surgery. Apropos of 231 implants] Gautier R, et al. **J Mal Vasc** 1980;5(3):233 **(Fre)**

[A temporary synthetic skin subsitute: SYSpur-derm. Comparative histopathological examination (author's transl)] Mahnke PF, et al. **Zentralbl Chir** 1980;105(3):145–53 (Eng. Abstr.) **(Ger)**

[Teflon CI/II plate (preliminary report)] Streli R. **Zentralbl Chir** 1981;106(4):244–7 **(Ger)**

[Gore-Tex prostheses in arterial reconstructive procedures (author's transl)] Fragnito C, et al. **Ateneo Parmense [Acta Biomed]** 1980;51(2):77–82 (Eng. Abstr.) **(Ita)**

ADMINISTRATION & DOSAGE

Laryngeal injections with polytef paste. Arnold GE, et al. **Ear Nose Throat J** 1980 Oct;59(10):415–8

[Endourethral submucous teflon injections as a therapy for stress incontinence] Nürnberger N. **Gynaekol Rundsch** 1980 Jun;20 Suppl 2:181–5 **(Ger)**

[Functional results of teflon injection of the vocal cords (author's transl)] Richstein A, et al. **HNO** 1980;28(9):301–4 (Eng. Abstr.) **(Ger)**

[Our experiences with the intralaryngeal injection of Teflon (author's transl)] Beck C. **Laryngol Rhinol Otol (Stuttg)** 1980 Nov;59(11):715–8 (Eng. Abstr.) **(Ger)**

[Treatment of urinary incontinence by endoscopic injection of Teflon paste. Preliminary report] Martínez-Piñeiro JA, et al. **Arch Esp Urol** 1981 Mar-Apr;34(2):161–6 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Polytetrafluoroethylene graft aneurysms: a report of five aneurysms. Mohr LL, et al. **Arch Surg** 1980 Dec; 115(12):1467–70

[Chronic infection at the suture line after ventricular aneurysmectomy – report of 2 cases treated successfully] de Oliveira SA, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1980 Dec;35(6):268–71 (Eng. Abstr.) **(Por)**

DIAGNOSTIC USE

In vitro estimation of tracheal mucous velocity: comparison of a solid and a liquid marker. Ahmed T, et al. **Bull Eur Physiopathol Respir** 1980 Jul-Aug;16(4):533–8

PHARMACODYNAMICS

[Hygienic evaluation of teflon-2-coated cooking ware] Kas'ian VN. **Gig Sanit** 1981 May;(5):78–9 **(Rus)**

POISONING

Exposure to polytetrafluoroethylene decomposition products during the initial use of some pad heaters. Dwiggins GA, et al. **Am Ind Hyg Assoc J** 1981 Apr;42(4):319–21

STANDARDS

Proplast and Plastipore. Kerr AG. **Clin Otolaryngol** 1981 Jun; 6(3):187–91

THERAPEUTIC USE

Management of aortic arch interruption with prostaglandin E1 infusion and microporous expanded polytetrafluoroethylene grafts. Zahka KG, et al. **Am J Cardiol** 1980 Dec 1;46(6):1001–5

Teflon injection of the vocal cord: a clinical and histopathologic study. Schmidt PJ, et al. **J Otolaryngol** 1980 Aug;9(4):297–302

[Prosthetic materials for reparative surgery on the rat biliary tracts: Gore-Tex and dacron] Masciariello S, et al. **Chir Patol Sper** 1979 Feb;27(1):17–31 (Eng. Abstr.) **(Ita)**

[Use of Gore-Tex prostheses for plastic repair of the vessels (a review of the literature)] Il'ina MB, et al. **Khirurgiia (Mosk)** 1980 Oct;(10):113–5 (17 ref.) **(Rus)**

TOXICITY

[Histologic investigations of PTFE-surface acting for direct tissue contact on implants (author's transl)] Schneider UA, et al. **Z Orthop** 1980 Oct;118(5):788–92 (Eng. Abstr.) **(Ger)**

POLYTHIAZIDE

ADVERSE EFFECTS

Symptomatic diabetes mellitus cured by potassium and withdrawal of polythiazide in a hypokalemic hypertensive woman. Nilsson G. **Acta Med Scand** 1980;208(1-2):129–30

[Severe hypokalemic alkalosis. Illustration by a case induced by diuretics] Johannsen G, et al. **Ugeskr Laeger** 1981 Jan 26;143(5):257–9 (Eng. Abstr.) **(Dan)**

BLOOD

Determination of polythiazide and prazosin in human plasma by high-performance liquid chromatography. Dokladalova J, et al. **J Chromatogr** 1981 Jun 12;224(1):33–41

POLYURETHANES

Development of a nonthrombogenic collagenous blood-prosthetic interface. Bernhard WF, et al. **Ann Surg** 1980 Sep;192(3):369–81

Evaluation of polyurethane foam as a trapping medium for herbicide vapor in air monitoring and worker inhalation studies. Grover R, et al. **J Environ Sci Health [B]** 1981; 16(1):59–66

An improved method of wound management for pediatric patients. Lobe TE, et al. **J Pediatr Surg** 1980 Dec; 15(6):886–9

Mass transport properties of co(polyether)polyurethane membranes I: Preparation and characterization. Matheson LE Jr, et al. **J Pharm Sci** 1981 May;70(5):571–3

Ureteral replacement with a new polyurethane prosthesis. Totoro JA, et al. **J Surg Res** 1981 Jun;30(6):583–92

[A new procedure for skin suture : Opsiture] Bacourt F. **Nouv Presse Med** 1980 Oct 4;9(36):2651–2 **(Fre)**

[Treatment results of comparative study using polyurethane synthografts (author's transl)] Weise K, et al. **Aktuel Traumatol** 1981 Feb;11(1):1–6 (Eng. Abstr.) **(Ger)**

[Making of anatomical dry preparations from voluminous hollow organs by use of SYSpur-solid foam (author's transl)] Nicht M, et al. **Anat Anz** 1981;149(4):375–82 (Eng. Abstr.) **(Ger)**

[Polyurethane support bandage Baycast. Alternative to the conventional support bandage] Dragojevic B, et al. **MMW** 1981 Apr 17;123(16):665–6 **(Ger)**

[Long-term study in monkeys of a new type of polyurethane-based fixative (Bayer)] Triadan H. **SSO** 1981 Jan;91(1):21–5 (Eng. Abstr.) **(Ger)**

[The polyurethane shoe — a new possibility in the treatment of the toe and metatarsal fractures (author's transl)] Weigert M, et al. **Z Orthop** 1980;118(1):137–9 (Eng. Abstr.) **(Ger)**

[A temporary synthetic skin subsitute: SYSpur-derm. Comparative histopathological examination (author's transl)] Mahnke PF, et al. **Zentralbl Chir** 1980;105(3):145–53 (Eng. Abstr.) **(Ger)**

[Studies on orthodontic polyurethane ringlets. (Part 2). Examination of its clinical application (author's transl)] Kato H. **Kokubyo Gakkai Zasshi** 1980 Mar;47(1):145–59 (Eng. Abstr.) **(Jpn)**

[Enzymic splitting of polyurethanes containing dipeptide links in the main polymeric chain] Vasil'chenko DB, et al. **Ukr Biokhim Zh** 1981 May-Jun;53(3):80–3 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[Neurologic dysfunction of the urinary bladder in the manufacture of polyurethane] Beritić T. **Arh Hig Rada Toksikol** 1981;31(4):357–9 **(Scr)**

ANALYSIS

[Chemical composition of linear polyurethanes and the rate of their destruction in physiological solution and animal body] Lipatova TE, et al. **Polim Med** 1980;10(1):19–29 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of fluoride varnishes and Nuva-Seal resin treatment on the formation of artificial carious lesions. Dérand T, et al. **Caries Res** 1981;15(3):250–5

STANDARDS

[Polyurethane skin substitute for temporary covering of wounds. A comparative study] Vaubel E, et al. **Fortschr Med** 1980 Sep 18;98(35):1351–6 **(Ger)**

THERAPEUTIC USE

[Morphological characteristics of the renal tissue reaction to KL-3 polyurethane glue in kidney failure] Nosov AT, et al. **Klin Khir** 1980 Dec;(12):16–9 (Eng. Abstr.) **(Rus)**

TOXICITY

Mutagenicity of aerosols from the oxidative thermal decomposition of rigid polyurethane foam. Zitting A, et al. **Int Arch Occup Environ Health** 1980;47(1):47–52

Toxicology of urea formaldehyde and polyurethane foam insulation. Harris JC, et al. **JAMA** 1981 Jan 16;245(3):243–3

Pyrolyses products of polyurethane and polyimide foams: effects on unsignalled shock escape behavior. Russo DM, et al. **Proc West Pharmacol Soc** 1981;24:255–8

POLYURIA

CHEMICALLY INDUCED

Lithium prophylaxis and the kidney. Bakris GL, et al. **J Affective Disord** 1981 Mar;3(1):37–42

Attenuation of the lithium-induced diabetes-insipidus-like syndrome by amiloride in rats. Feuerstein G, et al. **Neuropsychobiology** 1981;7(2):67–73

COMPLICATIONS

Polyuric megalocystis. Tank ES, et al. **J Urol** 1980 Nov; 124(5):692–4

DIAGNOSIS

Interpretation of data questioned [letter] Chuong R. **J Oral Surg** 1981 Jan;39(1):4–5

An unusual polyuric state masquerading as porttraumatic diabetes insipidus. Crowley JF, et al. **J Oral Surg** 1980 Sep;38(9):686–7

[Effect of synthetic arginine vasopressin on the urinary excretion of water and electrolytes in man (author's transl)] Saito T, et al. **Horumon To Rinsho** 1980 Sep;28(9):1073–7 **(Jpn)**

DRUG THERAPY

DDAVP (1-desamino-8-D-arginine-vasopressin) treatment of lithium-induced polyuria in the rat. Christensen S. **Scand J Clin Lab Invest** 1980 Apr;40(2):151–7

ENZYMOLOGY

Lithium-induced polyuria: effect of lithium on adenylate cyclase and adenosine 3',5'-monophosphate phosphodiesterase in medullary ascending limb of Henle's loop and in medullary collecting tubules. Jackson BA, et al. **Endocrinology** 1980 Dec;107(6):1693–8

ETIOLOGY

Diet-induced polyuria [news] Wise A, et al. **Nature** 1981 Sep 10;293(5828):96

Persistent water diuresis in renal amyloidosis. A case report. Asmundsson P, et al. **Scand J Urol Nephrol** 1981;15(1):77–9

METABOLISM

[Sympathomimetic component of dopamine renal action in water-saline depletion] Agnoli GC, et al. **Boll Soc Ital Biol Sper** 1980 May 15;56(9):939–45 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Plasma vasopressin response to hypertonic saline infusion to assess posterior pituitary function. Baylis PH, et al. **J R Soc Med** 1980 Apr;73(4):255–60

VETERINARY

Studies on the mechanism of polyuria induced by cortisol excess in the dog. Joles JA, et al. **Tijdschr Diergeneeskd** 1980 Oct 15;105(20):199–205

Data base for polyuria:polydipsia. Coffman J. **VM SAC** 1980 Dec;75(12):1889–92

POLYURIDYLIC ACIDS see **POLY U**

POLYVIDON see **POVIDONE**

POLYVINYL ALCOHOL

Polyvinyl alcohol as a protective coating on intraocular lenses. Olson RJ, et al. **Arch Ophthalmol** 1980 Oct; 98(10):1840–2

Some new reactive polymers for the immobilization of enzymes. Manecke G, et al. **Biochimie** 1980;62(8-9):603–13

Patency of heparinized SBS shunts at high shear rates. Sefton MV, et al. **Biomater Med Devices Artif Organs** 1981; 9(2):127–42

Tissue stabilizer methods in histochemistry. Altman FP. **Ciba Found Symp** 1979;(73):81–101

Membrane formation after implantation of polyvinyl alcohol-coated intraocular lenses. Kraff MC, et al. **J Am Intraocul Implant Soc** 1980 Apr;6(2):129–36

Polyvinyl alcohol coating: an improvement of the freeze-fracture technique. Brown D. **J Microsc** 1981 Mar; 121(Pt 3):283–7

Cellolite (Merocel): a new form of neurosurgical patty. Evaluation of histological responses in rats. Meyer CH, et al. **J Neurosurg** 1981 Feb;54(2):204–7

A combination of stainless steel coil and compressed Ivalon: a new technique for embolization of large arteries and arteriovenous fistulas. Zollikofer C, et al. **Radiology** 1981 Jan;138(1):229–31

ADVERSE EFFECTS

Rectal mercury [letter] Seidel J, et al. **Pediatrics** 1981 Feb; 67(2):311

ANALYSIS

Application of iron(III)--hydroxamic acid complexes in the spectrophotometric determination of poly(vinyl alcohol) in pharmaceutical preparations. Andermann G, et al. **Analyst** 1980 Jun;105(1251):575–80

PHARMACODYNAMICS

Substitution of a synthetic polymer for protein in a

mammalian gamete culture system. Bavister BD. **J Exp Zool** 1981 Jul;217(1):45–51

[Anesthetizing action of local anesthetics after their chemical grafting to polyvinyl alcohol–based fibrous polymers] Khatskevich GA, et al. **Stomatologiia (Mosk)** 1981 May–Jun;60(3):12–4 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Proposed method of intracordal injection and gelation of poly (vinyl alcohol) solution in vocal cords: polymer considerations. Peppas NA, et al. **Biomaterials** 1980 Jul; 1(3):158–62

[Experimental and clinical experiences with the synthetic skin cover of polyvinylalcohol–formaldehyde foam (PVA)] Mutschler W, et al. **Helv Chir Acta** 1980 Jun;47(1–2):163–6 (Eng. Abstr.) **(Ger)**

POLYVINYL CHLORIDE see under **POLYVINYLS**

POLYVINYLPYRIDINE N-OXIDE see under **POLYVINYLS**

POLYVINYLPYRROLIDONE see **POVIDONE**

POLYVINYLS

Insulin adsorption to polyolefin infusion bottles and polyvinyl chloride administration sets. Hirsch JI, et al. **Am J Hosp Pharm** 1981 Jul;38(7):995–7

Water permeation through polyvinyl chloride bags without overwrap. Stauffer GL, et al. **Am J Hosp Pharm** 1981 Jul; 38(7):998–1001

Synthesis and characterization of PVNO and PVNO–PVP hydrogels. Hasirci VN. **Biomaterials** 1981 Jan;2(1):3–8

Development of the PVC endotracheal tube. Watson WF. **Biomaterials** 1980 Jan;1(1):41–6

Efficiencies of liquid–liquid extraction and XAD–4 and XAD–7 resins in collecting organic compounds from a coke plant's effluent. Schaeffer DJ, et al. **Bull Environ Contam Toxicol** 1980 Oct;25(4):569–73

Phosgene in the thermal decomposition products of poly(vinyl chloride): Generation, detection and measurement. Brown JE, et al. **J Anal Toxicol** 1980 Jul–Aug;4(4):166–74

Pituitary hollow fiber units in vivo and in vitro. Hymer WC, et al. **Neuroendocrinology** 1981 Jun;32(6):339–49

Pituitary hollow fiber units in the dwarf mouse. Hymer WC, et al. **Neuroendocrinology** 1981 Jun;32(6):350–4

A simple technique for the removal of formvar from carbon–formvar coated grids. Pontefract RD, et al. **Stain Technol** 1981 Jan;56(1):51–3

Freezing in the primary polyvinylchloride plastic collection bag: a new system for preparing and freezing nonrejuvenated and rejuvenated red blood cells. Valeri CR, et al. **Transfusion** 1981 Mar–Apr;21(2):138–49

[Management of rectal prolapse by rectal mobilization and fixation with Ivalon sponge] Erne P, et al. **Schweiz Med Wochenschr** 1981 May 30;111(22):793–5 (Eng. Abstr.) **(Ger)**

[Hygienic evaluation of polyvinyl chloride stabilizers containing heavy metals] Vorob'eva RS, et al. **Gig Sanit** 1981 Apr;(4):18–21 (Eng. Abstr.) **(Rus)**

[Competitive interactions of serum protein fractions during complex formation with polycations] Kabanov VA, et al. **Mol Biol (Mosk)** 1980;14(1):64–75 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Studies on the teratogenicity of PVC. Ungváry G. **Acta Morphol Acad Sci Hung** 1980;28(1–2):159–64 (41 ref.)

Adverse effects caused by polypropylene and polyvinyl feline urinary catheters. Lees GE, et al. **Am J Vet Res** 1980 Nov; 41(11):1836–40

Vinyl chloride disorder. Walker AE. **Br J Dermatol** 1981 Sep;105 Suppl 21:19–21

Lung function in workers exposed to polyvinyl chloride dust. Chivers CP, et al. **Br J Ind Med** 1980 May;37(2):147–51

Meat wrappers' asthma. Butler J, et al. **Chest** 1981 Jul;80(1 Suppl):71–3

Pulmonary manifestations of vinyl and polyvinyl chloride (interstitial lung disease). Newer aspects. Cordasco EM, et al. **Chest** 1980 Dec;78(6):828–34

Vinyl chloride and polyvinyl chloride exposure and occupational lung disease. Lilis R. **Chest** 1980 Dec; 78(6):826–8

An epidemiologic study of respiratory disease in workers exposed to polyvinylchloride dust. Soutar C, et al. **Chest** 1981 Jul;80(1 Suppl):60

Meat wrapper's asthma: identification of the causal agent. Pauli G, et al. **Clin Allergy** 1980 May;10(3):263–9

Polyvinyl chloride dermatitis not caused by phthalates. Schulsinger C, et al. **Contact Dermatitis** 1980 Dec; 6(7):477–80

Breast cancer mortality among PVC fabricators. Chiazze L Jr, et al. **JOM** 1980 Oct;22(10):677–9

Ivalon breast prostheses: evaluation 19 years after implantation. Peters WJ, et al. **Plast Reconstr Surg** 1981 Apr;67(4):514–8

Epidemiological study of respiratory disease in workers exposed to polyvinylchloride dust. Soutar CA, et al. **Thorax** 1980 Sep;35(9):644–52

[Allergic eczema to wax cloth. Attempts at identification of an allergen] Foussereau J, et al. **Derm Beruf Umwelt** 1980; 28(2):41–4 (Eng. Abstr.) **(Fre)**

[Working conditions and the health status of workers engaged in the flame spraying and treating of TPF–37 plastic coating] Radziukevich TM, et al. **Gig Tr Prof Zabol** 1980 Nov;(11):46–8 **(Rus)**

[Characteristics of the biological action of polyvinyl chloride and epoxy plastic aerosols] Shakhbazian GKh, et al. **Vestn Akad Med Nauk SSSR** 1981;(1):58–62 (Eng. Abstr.) **(Rus)**

[Lung cancer after a foreign body (polyvinyl chloride) remaining 2 years in the bronchus] Dovgan'VI, et al. **Vopr Onkol** 1981;27(6):68–9 **(Rus)**

[Characteristics of external respiration in workers engaged in the production of polyvinyl chloride by the latex method] Glushko LV, et al. **Vrach Delo** 1981;(4):35–6 (Eng. Abstr.) **(Rus)**

ANALYSIS

Thermal degradation products from PVC film in food–wrapping operations. Boettner EA, et al. **Am Ind Hyg Assoc J** 1980 Jul;41(7):513–22

Industrial hygiene evaluation of thermal degradation products from PVC film in meat–wrapping operations. Cook WA. **Am Ind Hyg Assoc J** 1980 Jul;41(7):508–12

Repeatability and reproducibility of measurements of vinyl chloride concentrations in materials and articles made of polyvinyl chloride. Rossi L, et al. **Food Cosmet Toxicol** 1980 Oct;18(5):527–35

[Evaluation of the work environment in polyvinyl chloride plants] Krajewski J, et al. **Med Pr** 1980;31(2):149–53 (Eng. Abstr.) **(Pol)**

[Hygienic evaluation of the effectiveness of atmospheric protection measures in the manufacture of vinyl chloride and polyvinyl chloride] Tikhomirov IuP, et al. **Gig Sanit** 1980 Oct;(10):79–81 **(Rus)**

[Effect of air circulation on the concentration of volatile substances vaporing from polyvinyl chloride linoleum] Vasil'eva TS, et al. **Gig Sanit** 1980 Nov;(11):59–62 **(Rus)**

BLOOD

[Mechanism of heparin binding by polycations in the presence of serum proteins] Mustafaev MI, et al. **Farmakol Toksikol** 1980 Jul–Aug;43(4):395–9 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Effect of polycation modification by a hapten on different stages of immunogenesis] Norimov ASh, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Mar;(3):112–3 **(Rus)**

[Modification of the immune response by using an antigen bound to synthetic polyelectrolytes] Petrov RV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Feb;(2):58–63 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Inhibition of Babesia spp. by plastics. Timms P. **Appl Environ Microbiol** 1981 Jan;41(1):17–9

Inhibition of reverse transcriptase by polyvinyl sulfate (PVS). Hallinan FM, et al. **Cancer Biochem Biophys** 1981; 5(2):97–101

Effect of poly–2–vinylpyridine–N–oxide and sucrose on silicate–induced hemolysis of erythrocytes. Oscarson DW, et al. **J Pharm Sci** 1981 Jun;70(6):657–9

[Effect of synthetic polyelectrolytes on T– and B–cell cooperation after immunization of different genotype mice with artificial antigen (T, G)–A–L] Petrov RV, et al. **Biull Eksp Biol Med** 1981 May;91(5):590–2 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Antiviral and antineoplastic effect of Carbopol. Luczak M, et al. **Bull Acad Pol Sci [Biol]** 1979;27(10):815–21

Angiodysplasia of the right colon treated by embolization with ivalon (polyvinyl alcohol). Tadavarthy SM, et al. **Cardiovasc Intervent Radiol** 1981 Feb;4(1):39–42

[Clinical experience with Cavit in retrograde root canal filling] Modla Z, et al. **Fogorv Sz** 1981 Jan;74(1):1–4 (Eng. Abstr.) **(Hun)**

TOXICITY

Effects in the rat of inhaling PVC dust at the nuisance dust level (10 mg/m3). Richards RJ, et al. **Arch Environ Health** 1981 Jan–Feb;36(1):14–9

Toxicity of vinyl chloride and polyvinyl chloride as seen through epidemiologic observations. Wagoner JK, et al. **J Toxicol Environ Health** 1980 Sep–Nov;6(5–6):1101–7

Certain problems of toxicity assessment of plastic materials used for blood preservation and preparation. Nowicki P, et al. **Pol J Pharmacol Pharm** 1980 Jan–Feb;32(1):77–84

PONGIDAE

Dental microwear and diet: implications for determining the feeding behaviors of extinct primates, with a comment on the dietary pattern of Sivapithecus Covert HH, et al. **Am J Phys Anthropol** 1981 Jul;55(3):331–6

Morphometric affinities of gigantopithecus. Gelvin BR. **Am J Phys Anthropol** 1980 Nov;53(4):541–68

Bladder calcification and obstructive uropathy in a gibbon infected with Schistosoma haematobium. Cheever AW, et al. **Am J Trop Med Hyg** 1981 May;30(3):604–8

The Clever Hans phenomenon: communication with horses, whales, apes, and people. **Ann NY Acad Sci** 1981;364:1–311

Habitat quality and populations of two sympatric gibbons (Hylobatidae) on a mountain in Malaya. Caldecott JO. **Folia Primatol (Basel)** 1980;33(4):291–309

Fatal airsacculitis and pneumonia, with abortion, in an orangutan. Cambre RC, et al. **J Am Vet Med Assoc** 1980 Nov 1;177(9):822–4

The great apes of Africa. Proceedings of a symposium held at the Centre International de Récherche Medicale de Franceville, Gabon, West Africa, December 1979. **J Reprod Fertil [Suppl]** 1980;Suppl 28:1–173

The ape–men fallacy. Bowden M. **Riv Biol** 1980;73(3):407–29 **(Eng, Ita)**

Ecological adaptations of the smaller fossil apes. Andrews P. **Z Morphol Anthropol** 1980;71(2):164–73

Dryopithecus and adaptations in Miocene great apes. Prasad KN. **Z Morphol Anthropol** 1980;71(2):174–6

ANATOMY & HISTOLOGY

A quantitative comparison of the hominoid thalamus. IV. Posterior association nuclei–the pulvinar and lateral posterior nucleus. Armstrong E. **Am J Phys Anthropol** 1981 Jul;55(3):369–83

BLOOD

Blood groups of apes and monkeys: current status and practical applications. Socha WW. **Lab Anim Sci** 1980 Aug; 30(4 Pt 1):698–702

GENETICS

Studies of primate protein variation and evolution: microelectrophoretic detection. Palmour RM, et al. **Biochem Genet** 1980 Aug;18(7–8):793–808

NOR–bearing Y chromosome in a primate, Hylobates (Symphalangus) syndactylus. Ledbetter DH. **Cytogenet Cell Genet** 1981;29(4):250–2

Chromosomal evolution of the great apes and man. Dutrillaux B. **J Reprod Fertil [Suppl]** 1980;Suppl 28:105–11

Analysis of the virogenes related to the rhesus monkey endogenous type C retrovirus in monkeys and apes. Tainsky MA. **J Virol** 1981 Mar;37(3):922–30

Evolution of the orang–utan [letter] Temerin LA. **Nature** 1980 Nov 20;288(5788):301

Molecular evidence for genetic exchanges among ribosomal genes on nonhomologous chromosomes in man and apes. Arnheim N, et al. **Proc Natl Acad Sci USA** 1980 Dec; 77(12):7323–7

Evolutionary tree for apes and humans based on cleavage maps of mitochondrial DNA. Ferris SD, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2432–6

MICROBIOLOGY

Isolation and identification of lymphocytic and myelogenous leukemia–specific sequences in genomes of gibbon oncornaviruses. Sun L, et al. **J Virol** 1980 Aug;35(2):400–8

[Tumor viruses of nonhuman primates (author's transl)] Wunderlich V, et al. **Arch Geschwulstforsch** 1981; 51(3):242–61 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Karyotypic fission theory and the evolution of old world monkeys and apes. Giusto JP, et al. **Biosystems** 1981; 13(4):267–302 (111 ref.)

Causes of variation between months in the distance traveled daily of gibbons. Raemaekers J. **Folia Primatol (Basel)** 1980; 34(1–2):46–60

Ape language [letter] Bindra D. **Science** 1981 Jan 2; 211(4477):86–7

PONGO PYGMAEUS see under **PONGIDAE**

PONS

Demyelination of the lateral geniculate nucleus in central pontine myelinolysis. Goldman JE, et al. **Ann Neurol** 1981 Feb;9(2):185–9

Posterior internuclear ophthalmoplegia of Lutz. Topilow HW. **Ann Ophthalmol** 1981 Feb;13(2):221–5

Auditory evoked responses and computerized tomography in central pontine myelinolysis. Yufe RS, et al. **Can J Neurol Sci** 1980 Nov;7(4):297–300

Benign ependymal cyst of the pons. Rilliet B, et al. **Childs Brain** 1981;8(1):1–8

Tuberculoma of the pons [letter] Diaz–Calderon E, et al. **J Neurol Neurosurg Psychiatry** 1981 Mar;44(3):266

Evaluation of diagnosis and non–surgical therapy in 24 children with a pontine tumour. Renier WO, et al. **Neuropaediatrie** 1980 Aug;11(3):262–73

Successful evacuation of a pontine hematoma secondary to rupture of a venous angioma. Pak H, et al. **Surg Neurol** 1981 Mar;15(3):164–7

Hematomas of the pons. Vaquero J, et al. **Surg Neurol** 1980 Aug;14(2):115–8

[Absence of the first component of the blink reflex with preservation of late components in a case of intrapontine

tumor (author's transl)] Straschill M. **EEG EMG** 1980 Mar; 11(1):19–20 (Eng. Abstr.) **(Ger)**

[Pontine hemorrhage in a 12 year old boy. Demonstration by cranial computer tomography (author's transl)] Fritsch G, et al. **Klin Paediatr** 1980 Sep;192(5):457–9 (Eng. Abstr.) **(Ger)**

[Pure motor hemiparesis: apropos of 2 cases of facio–brachio–crural hemiparesis with tomodensitometric finding of pontine infarction] Paolucci S, et al. **Riv Neurol** 1981 May–Jun;51(3):157–63 **(Ita)**

ABNORMALITIES

Congenital bilateral horizontal gaze palsy in a brother and sister. Ehrenberg M, et al. **J Pediatr Ophthalmol Strabismus** 1980 Jul–Aug;17(4):224–6

ANALYSIS

[Distribution of substance P and methionine enkephalin in dorsolateral pontine tegmentum of the cat. Immunofluorescence study] Charnay Y, et al. **C R Acad Sci [D] (Paris)** 1981 Feb 2;292(5):435–40 (Eng. Abstr.) **(Fre)**

ANATOMY & HISTOLOGY

Corticopontine projections of the lateral suprasylvian cortex: de–emphasis of the central visual field. Cohen JL, et al. **Brain Res** 1981 Aug 31;219(2):239–48

Efferent connections of the parabrachial nucleus in the rat. Saper CB, et al. **Brain Res** 1980 Sep 22;197(2):291–317

Corticopontine projections from the cingulate cortex in the rhesus monkey. Vilensky JA, et al. **Brain Res** 1981 Feb 2;205(2):391–5

The organization of the efferent projections of the parabrachial nucleus of the forebrain in the rat: a retrograde fluorescent double–labeling study. Voshart K, et al. **Brain Res** 1981 May 18;212(2):271–86

Descending projections of the locus coeruleus and subcoeruleus/medial parabrachial nuclei in monkey: axonal transport studies and dopamine–beta–hydroxylase immunocytochemistry. Westlund KN, et al. **Brain Res** 1980 Dec;2(3):235–64

Cerebral cortical afferent terminations on identified spiny basilar pontine neurons, a combined Golgi–EM degeneration study. Mihailoff GA, et al. **Brain Res Bull** 1981 Mar;6(3):227–34

Projections to the caudolateral medulla from the pons, midbrain, and diencephalon in the cat. Rose JD. **Exp Neurol** 1981 May;72(2):413–28

The pontocerebellar system in the rat: an HRP study. I. Posterior vermis. Azizi SA, et al. **J Comp Neurol** 1981 Apr 20;197(4):543–8

An axonal transport study of the ascending projection of medial lemniscal neurons in the rat. Feldman SG, et al. **J Comp Neurol** 1980 Aug 1;192(3):427–54

Ascending auditory afferents to the nuclei of the lateral lemniscus. Glendenning KK, et al. **J Comp Neurol** 1981 Apr 20;197(4):673–703

The dorsal nucleus of the lateral lemniscus in the cat: neuronal types and their distributions. Kane ES, et al. **J Comp Neurol** 1980 Aug 15;192(4):797–826

The pontocerebellar system in the rat: an HRP study. II. Hemispheral components. Mihailoff GA, et ai. **J Comp Neurol** 1981 Apr 20;197(4):559–77

The cytoarchitecture, cytology, and synaptic organization of the basilar pontine nuclei in the rat. I. Nissl and Golgi studies. Mihailoff GA, et al. **J Comp Neurol** 1981 Jan 10; 195(2):181–201

Evidence suggesting that both the corticopontine and cerebellopontine systems are each composed of two separate neuronal populations: an electron microscopic and horseradish peroxidase study in the rat. Mihailoff GA, et al. **J Comp Neurol** 1981 Jan 10;195(2):221–42

Quantitative and cytometric analysis of the ventral cochlear nucleus in man. Gandolfi A, et al. **J Neurol Sci** 1981 Jun; 50(3):443–55

The superior and inferior salivatory nuclei in the rat. Nicholson JE, et al. **Neurosci Lett** 1981 Jan 20;21(2):149–54

Laminar origin of ipsilateral tectopontine pathways. Holcombe V, et al. **Neuroscience** 1981;6(2):255–60

Basal ganglia and other afferent projections to the peribrachial region in the rat: a study using retrograde and anterograde transport of horseradish peroxidase. Jackson A, et al. **Neuroscience** 1981;6(8):1537–49

CYTOLOGY

New data on the precise location of the lacrimo–muconasal nucleus of the rat. Insausti R, et al. **Experientia** 1980 Aug 15;36(8):977–8

Distribution and light microscopic features of granule cells in the cochlear nuclei of cat, rat, and mouse. Mugnaini E, et al. **J Comp Neurol** 1980 Jun 15;191(4):581–606

Projections to the spinal cord from neurons close to the ventral surface of the hindbrain in the rat. Ross CA, et al. **Neurosci Lett** 1981 Jan 20;21(2):143–8

[Pontine cholinergic nuclei of the human brain] Motavkin PA, et al. **Arkh Anat Gistol Embriol** 1980 Nov;79(11):23–8 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Effects of intraventricular injection of 6–hydroxydopamine in the developing kitten. III. Histochemical fluorescence and radioautographic studies of the noradrenaline hyperinnervation in the pons. Arluison M, et al. **Brain Res** 1980 Oct 6;198(2):285–305

Respiratory effects of beta–endorphin, D–Ala2–met–enkephalinamide, and Met–enkephalin injected into the lateral ventricle and the pontomedullary subarachnoid space. Flórez J, et al. **Brain Res** 1980 Oct 13;199(1):197–206

Denervation supersensitivity to serotonin in the facial nucleus. McCall RB, et al. **Neuroscience** 1979;4(10):1501–10

PGO wave activity and cortical EEG in the reserpinized, anesthetized cat. Morgane PJ, et al. **Sleep** 1981;4(2):207–19

EMBRYOLOGY

Development of the brain stem in the rat. IV. Thymidine–radiographic study of the time of origin of neurons in the pontine region. Altman J, et al. **J Comp Neurol** 1980 Dec 15;194(4):905–29

[Vessel work development phases in the neural part of the pons in chick embryos] Ambrosi G, et al. **Boll Soc Ital Biol Sper** 1980 Apr 15;56(7):641–6 (Eng. Abstr.) **(Ita)**

ENZYMOLOGY

Histological and histoenzymological studies on the medulla oblongata and pons of hedgehog (Paraechinus micropus). Mohanakumar KP, et al. **Acta Morphol Neerl Scand** 1980 Dec;18(4):291–304

Studies on the kinetic properties of tryptophan hydroxylase of rabbit mesencephalon and pons medulla. Effect of long–term treatment with neuroleptics and antidepressants. Hussein L, et al. **Arzneimittelforsch** 1980;30(10):1704–8

Chemoarchitectonics of the pons of Taphozous melanopogon (a microchiropdteran bat). Sood PP, et al. **Cell Mol Biol** 1980;26(2):165–82

INJURIES

Pontine gaze paresis due to traumatic craniocervical hyperextension. Report of two cases. Klingele TG, et al. **J Neurosurg** 1980 Aug;53(2):249–51

Traumatic lesions of pontomedullary junction. Britt RH, et al. **Neurosurgery** 1980 Jun;6(6):623–31

METABOLISM

Inverse relation of substance P–like immunoreactivity in dorsal raphe nucleus to serotonin levels in pons–medulla following administration of cocaine and 5–hydroxytryptophan. Pradhan S, et al. **Biochem Pharmacol** 1981 May 15;30(10):1071–6

PATHOLOGY

Central pontine myelinolysis. A study of 37 cases in 1,000 consecutive autopsies. Endo Y, et al. **Acta Neuropathol (Berl)** 1981;53(2):145–53

Transitory subependymal cysts in the developing rat rhombencephalon. Sievers J, et al. **Anat Embryol (Berl)** 1981;161(4):433–51

Acute and massive intraparenchymal hemorrhages of the posterior fossa. Wilkins DE. **Henry Ford Hosp Med J** 1981; 29(2):81–6

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 39–1980. **N Engl J Med** 1980 Oct 2;303(14):803–9

Pontosubicular necrosis and hyperoxemia. Ahdab–Barmada M, et al. **Pediatrics** 1980 Dec;66(6):840–7

Rapid correction of hyponatremia causes demyelination: relation to central pontine myelinolysis. Kleinschmidt–DeMasters BK, et al. **Science** 1981 Mar 6; 211(4486):1068–70

[Porphyria variegata. Clinical and tomodensitometric aspects resembling centropontine myelinolysis (letter)] Ninet J, et al. **Nouv Presse Med** 1980 Oct 11;9(37):2738–9 **(Fre)**

[Supranuclear lateral gaze palsy of pontine origin. Report of 2 clinicopathologic cases with electrooculographic and electromyographic data] Pierrot–Deseilligny C, et al. **Rev Neurol (Paris)** 1979;135(11):741–62 (Eng. Abstr.) **(Fre)**

[Central pontine myelinolysis] Lindboe CF. **Tidsskr Nor Laegeforen** 1981 Apr 20;101(11):631–3 (Eng. Abstr.) **(Nor)**

[Central pontine necrosis after cranio–facial injury] Marcinkiewicz D, et al. **Neurol Neurochir Pol** 1980; 14(6):681–4 **(Pol)**

[Olivo–pontocerebellar atrophy. Report of a case (author's transl)] Laso FJ, et al. **Med Clin (Barc)** 1981 Feb 25; 76(4):188–90 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

On retro– and anterograde transport of horseradish peroxidase in the pontocerebellar fibers as studied with the Mesulam TMB technique. Dietrichs E, et al. **Brain Res** 1981 Jan 5;204(1):179–83

Pontine reticular unit responses to pelvic nerve and colonic mechanical stimulation in the dog. Fukuda H, et al. **Brain Res** 1981 Feb 23;207(1):59–71

Morphological and physiological identification of excitatory pontine reticular neurons projecting to the cat abducens nucleus and spinal cord. Grantyn R, et al. **Brain Res** 1980 Sep 29;198(1):221–8

Spontaneous and elicited PGO spikes in rats. Kaufman LS, et al. **Brain Res** 1981 Jun 9;214(1):61–72

Neural activity of nucleus reticularis tegmenti pontis––the origin of visual mossy fiber afferents to the cerebellar flocculus of rabbits. Maekawa K, et al. **Brain Res** 1981 Apr 6;210(1–2):17–30

Discharge of neurons in the parabrachial pons related to the cardiac cycle: changes during different sleep–waking states. Sieck GC, et al. **Brain Res** 1980 Oct 20;199(2):385–99

Long term potentiation of lateral hypothalamic self–stimulation following parabrachial lesions in the rat. Corbett D. **Brain Res Bull** 1980 Nov–Dec;5(6):637–42

Pontine neurones: electrophysiological evidence of mediating carotid baroreceptor inputs to supraoptic neurones in rats. Kannan H, et al. **Exp Brain Res** 1981;42(3–4):362–70

Direct inhibitory projection of pause neurons to nystagmus–related pontomedullary reticular burst neurons in the cat. Nakao, S, et al. **Exp Brain Res** 1980;40(3):283–93

Demonstration of ponto–geniculo–occipital waves in the albino rat. Marks GA, et al. **Exp Neurol** 1980 Sep; 69(3):648–66

Metencephalic localization of ponto–geniculo–occipital waves in the albino rat. Marks GA, et al. **Exp Neurol** 1980 Sep;69(3):667–77

Eighth nerve activation of cat pontine reticular neurons which project in or near the ascending medial longitudinal fasciculus. Remmel RS, et al. **Exp Neurol** 1980 Dec; 70(3):706–11

Involvement of the pontine reticular formation in head movements and labyrinthine righting in the rat. Sirkin DW, et al. **Exp Neurol** 1980 Sep;69(3):435–57

Parabrachial nucleus neurons projecting to the lower brain stem and the spinal cord. A study in the cat by the Fink–Heimer and the horseradish peroxidase methods. Takeuchi Y, et al. **Exp Neurol** 1980 Nov;70(2):403–13

Electrophysiological and neuroanatomical studies of hepatic portal osmo– and sodium–receptive afferent projections within the brain. Rogers RC, et al. **J Auton Nerv Syst** 1979 Dec;1(2):183–202

Intensity coding in pontine taste area: gustatory information is processed similarly throughout rat's brain stem. Scott TR, et al. **J Neurophysiol** 1980 Oct;44(4):739–50

Taste sensitivity of hamster parabrachial pontine neurons. Van Buskirk RL, et al. **J Neurophysiol** 1981 Jan; 45(1):144–71

Evidence of inhibitory interactions between neurons in dorsal cochlear nucleus. Voigt HF, et al. **J Neurophysiol** 1980 Jul;44(1):76–96

Projection to parabrachial nucleus of solitary tract nucleus neurons activated by tongue afferents in rats. Ogawa H, et al. **Jpn J Physiol** 1980;30(4):659–63

Adrenal medullary secretory response to pontine and mesencephalic stimulation in the rat. Matsui H. **Neuroendocrinology** 1981 Aug;33(2):84–7

Autoradiographic and electron microscopic degeneration evidence for axonal sprouting in the rat corticopontine system. Mihailoff GA, et al. **Neurosci Lett** 1981 Feb 6; 21(3):267–33

Functional and morphological consequences of kainic acid microinjections into a pontine respiratory area of the cat. Denavit–Saubié M, et al. **Neuroscience** 1980;5(9):1609–20

Conditioning of the nictitating membrane response in rabbit (Oryctolagus cuniculus) with electrical brain–stimulation as the unconditioned stimulus. Powell GM, et al. **Physiol Behav** 1980 Aug;25(2):205–16

Galloping induced by pontine tegmentum damage in rats: a form of 'Parkinsonian festination' not blocked by haloperidol. Cheng JT, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):3279–83

[Harmaline tremor: activity of the interposito–rubral system and of the bulbo–ponto–reticular formation] Batini C, et al. **C R Acad Sci [D] (Paris)** 1980 Nov 24;291(11):905–7 (Eng. Abstr.) **(Fre)**

[Orthodromic activation of neurons of the cerebellar fastigial nucleus of cats induced by stimulation of pontine nuclei] Amatuni AS. **Fiziol Zh SSSR** 1981 Feb;67(2):191–202 (Eng. Abstr.) **(Rus)**

[Convergence of corticofugal impulses on pontine neurons] Kazakov VN, et al. **Neirofiziologiia** 1980;12(5):472–80 (Eng. Abstr.) **(Rus)**

[Corticofugal influences on pontine neuronal activity] Kazakov VN, et al. **Neirofiziologiia** 1980;12(4):358–67 (Eng. Abstr.) **(Rus)**

[Features of the reactions of neurons of the cochlear nuclei of the pointed–eared bat Myotis oxygnathus to ultrasonic stimuli] Vinogradova EP, et al. **Zh Evol Biokhim Fiziol** 1980 Sep–Oct;16(5):476–82 (Eng. Abstr.) **(Rus)**

[The sleep–wakefulness cycle. II. Modifications after rostropontine lesions (author's transl)] Gutiérrez–Rivas E, et al. **Arch Neurobiol (Madr)** 1980 Nov–Dec;43(6):353–76 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

[Effect of electric stimulation of the caudal reticular nucleus of the pons on foci of epileptic activity in the cerebral cortex] Kryzhanovskii GN, et al. **Biull Eksp Biol Med** 1980 Nov;90(11):533–6 (Eng. Abstr.) **(Rus)**

[Paralysis of the conjugated lateral gaze of pontile origin: neuroanatomical discussion of the fasciculus longitudinalis medialis] Faccio EJ, et al. **Arq Neuropsiquiatr** 1981 Mar; 39(1):89–100 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Cisternal abnormalities produced by clinical tumours in the posterior cranial fossa. III. Tumours of the brain stem and pontine angle. Lindqvist M. **Acta Radiol [Diagn] (Stockh)** 1980;21(3):339–56

Primary pontine hemorrhage with complete recovery. Lavi E, et al. **Arch Neurol** 1981 May;38(5):320

Computerized tomography in the diagnosis of central and extrapontine myelinolysis. Thompson DS, et al. **Arch Neurol** 1981 Apr;38(4):243–6

Angiographically cryptic AVM presenting as a pontine tumor. Case report. Albright AL, et al. **J Neurosurg** 1980 Dec;53(6):846–8

SECRETION

K+-evoked Caa+-dependent release of D-[3H]aspartate from terminals of the cortico-pontine pathway. Thangnipon W, et al. **Neurosci Lett** 1981 May 6;23(2):181–6

ULTRASTRUCTURE

The cytoarchitecture, cytology, and synaptic organization of the basilar pontine nuclei in the rat. II. Electron microscopic studies. Mihailoff GA, et al. **J Comp Neurol** 1981 Jan 10;195(2):203–19

POPLITEAL ARTERY

Cystic adventitial disease of the popliteal artery. Bunker SR, et al. **AJR** 1981 Jun;136(6):1209–12

Femoral, popliteal, and tibial arteries: percutaneous transluminal angioplasty. Greenfield AJ. **AJR** 1980 Nov; 135(5):927–35

Popliteal artery branches: percutaneous transluminal angioplasty. Sprayregen S, et al. **AJR** 1980 Nov; 135(5):945–50

Popliteal arterial aneurysms. Their natural history and management. Szilagyi DE, et al. **Arch Surg** 1981 May; 116(5):724–8

Arterial occlusion following angiography. van Andel GJ. **Br J Radiol** 1980 Aug;53(632):747–53

Muscular abnormalities affecting the popliteal vessels. Bouhoutsos J, et al. **Br J Surg** 1981 Jul;68(7):501–6

Cystic adventitial disease of the popliteal artery. Hunt BP, et al. **Br J Surg** 1980 Nov;67(11):811–2

Entrapment of the popliteal artery. Melvin K, et al. **Can J Surg** 1980 Jul;23(4):382–3

Unusual presentation of bronchogenic carcinoma: case report and review of the literature. Starr DS, et al. **Cancer** 1981 Jan 15;47(2):398–401 (24 ref.)

Percutaneous transluminal angioplasty of peripheral vascular disease: a two-year experience. Colapinto RF, et al. **Cardiovasc Intervent Radiol** 1980 Nov;3(4):213–8

Ultrasound as a diagnostic aid in the evaluation of popliteal swelling. Beals RK, et al. **Clin Orthop** 1980 Jun;(149):220–3

Arterial bullet embolism. Nehme AE. **Int Surg** 1980 Nov-Dec;65(6):547–53

Cystic adventitial disease of the popliteal artery. England PC, et al. **J R Soc Med** 1979 Apr;72(4):283–4

Malignant tumor emboli to the peripheral vessels. Vo NM, et al. **J Surg Oncol** 1981;17(2):151–7 (36 ref.)

Arterial occlusion after total knee arthroplasty. Starsiak CR. **JAOA** 1980 Aug;79(12):768–72

Hemodynamic assessment of transluminal angioplasty for lower extremity ischemia. O'Mara CS, et al. **Surgery** 1981 Jan;89(1):106–17

[The trapped popliteal artery syndrome. About one bilateral case (author's transl)] Simon JJ, et al. **J Chir (Paris)** 1981 Mar;118(3):179–83 (Eng. Abstr.) **(Fre)**

[Sub-adventitial cystic degeneration of the popliteal artery. One case (author's transl)] Paley D, et al. **J Mal Vasc** 1980; 5(3):225–8 (Eng. Abstr.) **(Fre)**

[Popliteal artery entrapment syndrome. Apropos of a bilateral case] Spreafico G, et al. **Minerva Chir** 1980 Sep 15; 35(17):1227–32 **(Ita)**

[A case of traumatic popliteal arterio-venous fistula, hemodynamically studied by non-invasive method (author's transl)] Shimada E, et al. **Kokyu To Junkan** 1980; 28(7):793–9 (Eng. Abstr.) **(Jpn)**

[Multiple arterial after debecillin injection] Janicka-Gadzińska A, et al. **Pediatr Pol** 1981;56(1):91–4 **(Pol)**

ABNORMALITIES

Popliteal artery entrapment syndrome. Report of a case and study of 18 cases in Japan. Ikeda M, et al. **Am J Surg** 1981 Jun;141(6):726–30

[Ischio-popliteal artery trunk, persistence of the axial artery] Pillet J, et al. **Bull Assoc Anat (Nancy)** 1980 Mar; 64(184):97–110 (Eng. Abstr.) **(Fre)**

INJURIES

Popliteal artery injury with fractural dislocation of the knee. Alberty RE, et al. **Am J Surg** 1981 Jul;142(1):36–40 (15 ref.)

Popliteal artery injury associated with knee dislocation: improved outlook? Savage R. **Am Surg** 1980 Nov; 46(11):627–32

Popliteal artery trauma. 31 consecutive cases without amputation. Lim LT, et al. **Arch Surg** 1980 Nov; 115(11):1307–13

Popliteal artery injuries associated with knee dislocation. (Three cases treated with successful outcome). Settembrini PG, et al. **J Cardiovasc Surg (Torino)** 1981 Mar-Apr; 22(2):135–40

Injury to the popliteal artery. Holleman JH Jr, et al. **Surg Gynecol Obstet** 1981 Sep;153(3):392–4

[Closed injury of popliteal artery: report of 21 cases (author's transl)] Fang SM. **Chung Hua Wai Ko Tsa Chih** 1979; 17(6):492–4 **(Chi)**

[Injuries of the popliteal artery] Radonić V. **Acta Chir Iugosl** 1980;27 Suppl 1:457–63 **(Scr)**

PATHOLOGY

[Extrinsic compression of the popliteal artery (author's transl)] Cormier JM. **J Mal Vasc** 1980;5(4):315–9 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Spontaneous resolution of popliteal artery thrombosis. Gupta SK, et al. **Arch Surg** 1981 Apr;116(4):480–1

[Cystic adventitial degeneration of the popliteal artery--case report and the angiographic findings (author's transl)] Morita Y, et al. **Rinsho Hoshasen** 1981 Jan;26(1):153–6 (Eng. Abstr.) **(Jpn)**

[Evolution of radiological changes in the course of thromboliterative vasculitis (Winiwarter-Bürger disease)] Pruszyński B, et al. **Pol Przegl Radiol** 1980 Mar-Apr; 44(2):137–40 (Eng. Abstr.) **(Pol)**

[Importance of intraoperative arteriography for the results of surgery of the femoropopliteal sector] Martín Paredero V, et al. **Rev Clin Esp** 1980 Nov 15;159(3):181–4 (Eng. Abstr.) **(Spa)**

SURGERY

Endarterectomy of the superficial femoral artery. Lorentzen JE, et al. **Acta Chir Scand [Suppl]** 1980;502:146–50

Results of polytetrafluoroethylene grafts in the femoropopliteal region: two year evaluation of 146 bypass procedures. Pradhan DJ, et al. **Am Surg** 1981 Aug; 47(8):355–8

Using human umbilical vein grafts. Hessler K, et al. **AORN J** 1981 Apr;33(5):862–6

Comparison of above-knee and below-knee anastomosis in femoropopliteal bypass grafts. Brewster DC, et al. **Arch Surg** 1981 Aug;116(8):1013–8

Femorotibial bypass grafts with sequential technique. Clinical results. Jarrett F, et al. **Arch Surg** 1981 May;116(5):709–14

Intraoperative arteriography in femoropopliteal and femorotibial bypass grafts. Liebman PR, et al. **Arch Surg** 1981 Aug;116(8):1019–21

Adventitial cystic disease of the popliteal artery. Richardson JD, et al. **Arch Surg** 1981 Apr;116(4):478–9

Dacron vs vein for femoropopliteal arterial bypass. Should the saphenous vein be spared? Yashar JJ, et al. **Arch Surg** 1981 Aug;116(8):1037–40

Factors determining outcome of reversed saphenous vein femoropopliteal bypass grafts. Sonnenfeld T, et al. **Br J Surg** 1980 Sep;67(9):642–8

Cystic adventitial disease of the popliteal artery. Pagé P, et al. **Can J Surg** 1980 Nov;23(6):586–7

Long-term results of femoro-popliteal/tibial bypasses with special references to re-operation in former femoro-popliteal procedures. Raithel D. **J Cardiovasc Surg (Torino)** 1980 Sep-Oct;21(5):541–6

Complete dislocations of the knee with popliteal vascular injury. Welling RE, et al. **J Trauma** 1981 Jun;21(6):450–3

Long-term results of reconstructive surgery for femoro-popliteal arterial occlusive lesions. Kusaba A, et al. **Jpn J Surg** 1980 Sep;10(3):245–50

Determining the patency of femoral-popliteal bypass grafts [letter] Zelikowski A, et al. **N Engl J Med** 1981 Jun 4; 304(23):1430

The advantages of the great saphenous vein as a femoropopliteal graft. A report on its clinical use. Sonnenfeld T, et al. **Scand J Thorac Cardiovasc Surg** 1980; 14(3):285–90

Embolectomy of the distal part of the popliteal artery. Gupta SK, et al. **Surg Gynecol Obstet** 1981 Aug;153(2):254–6

The limitations of polytetrafluoroethylene in the reconstruction of femoropopliteal and tibial arteries. Hallett JW Jr, et al. **Surg Gyneco! Obstet** 1981 Jun;152(6):819–21

Principles of operation for combined aortoiliac and femoropopliteal occlusive lesions. Heyden B, et al. **Surg Gynecol Obstet** 1980 Oct;151(4):519–24

Method of Rudolph Matas for obliterative endoaneurysmorrhaphy for aneurysms of the popliteal artery [editorial] Lord JW Jr. **Surg Gynecol Obstet** 1980 Nov;151(5):663–4

The nonarterial origin of cystic adventitial disease of the popliteal artery in two patients. Devereux D, et al. **Surgery** 1980 Nov;88(5):723–7

Expanded polytetrafluoroethylene femoropopliteal grafts: forty-eight-month follow-up. Evans LE, et al. **Surgery** 1981 Jan;89(1):16–22

Femoropopliteal bypass to the isolated popliteal segment: is polytetrafluoroethylene graft acceptable? Veith FJ, et al. **Surgery** 1981 Mar;89(3):296–303

Preliminary experience with expanded polytetrafluoroethylene grafts inserted for chronic occlusive disease of the femoro-popliteal artery segment. Stirnemann P, et al. **Thorac Cardiovasc Surg** 1981 Apr; 29(2):110–3

Comparison of extended deep femoral angioplasty and femoropopliteal bypass graft in severe ischemia of the leg. Meyer E, et al. **World J Surg** 1981 Jan;5(1):119–24

['Suspended' popliteal artery shunts. A report on 15 cases (author's transl)] Watelet J, et al. **J Chir (Paris)** 1980 Sep; 117(8-9):475–80 (Eng. Abstr.) **(Fre)**

[Direct aortopopliteal shunts. A report on 11 cases (author's transl)] Bouchet A, et al. **J Mal Vasc** 1980;5(4):281–4 (Eng. Abstr.) **(Fre)**

[Experiences with homologous umbilical cord veins in vascular reconstructive surgery] Huber A, et al. **Helv Chir Acta** 1980 Jun;47(1-2):177–90 (Eng. Abstr.) **(Ger)**

[Mixed aorta-popliteal by-pass: a new proposal for the treatment of extensive ilio-femoral obstruction] Motta G, et al. **Boll Soc Ital Biol Sper** 1979 May 15;55(9):826–32 (Eng. Abstr.) **(Ita)**

[True aneurysms late complications of revascularization operations in the femoropopliteal tract] Settembrini PG, et al. **Chir Ital** 1980 Aug;32(4):776–82 (Eng. Abstr.) **(Ita)**

[Remote results and critical review of the use of the Sparks-Mandril prosthesis] Settembrini PG, et al. **Minerva Chir** 1980 Oct 15;35(19):1461–70 (Eng. Abstr.) **(Ita)**

[Criteria of operability and evaluation of the results of reconstructive operations on the arteries in ischemia of the lower limbs and necrosis caused by arteriosclerosis] Przetakiewicz Z, et al. **Pol Przegl Chir** 1980 JUN; 52(6):507–13 (Eng. Abstr.) **(Pol)**

[Isolated profundoplasty in the management of femoropopliteal occlusions] Dumpe EP, et al. **Khirurgiia (Mosk)** 1980 Aug;(8):23–7 (Eng. Abstr.) **(Rus)**

[Early and late postoperative complications and repeated reconstructive operations on the femoropopliteal segment] Klioner LI, et al. **Khirurgiia (Mosk)** 1981 Feb;(2):88–93 **(Rus)**

[Reconstructive surgery in occlusive lesions of the femoral and popliteal arteries] Zyrianov BN. **Vestn Khir** 1981 Apr; 126(4):68–73 (Eng. Abstr.) **(Rus)**

['Run-off' bypass] Padrós W, et al. **Angiologia** 1981 Jan-Feb; 33(1):14–6 (Eng. Abstr.) **(Spa)**

POPLITEAL VEIN

Aneurysm of the popliteal vein as a cause of pulmonary embolism. Persson BG, et al. **Acta Med Scand** 1980; 208(5):407–10

Popliteal venous aneurysm: a source of pulmonary embolism. Chahlaoui J, et al. **AJR** 1981 Feb;136(2):415–6

Noninvasive vascular laboratory diagnosis of deep venous thrombosis. Sufian S. **Am Surg** 1981 Jun;47(6):254–8

Muscular abnormalities affecting the popliteal vessels. Bouhoutsos J, et al. **Br J Surg** 1981 Jul;68(7):501–6

Simultaneous arthrography and venography in synovial rupture of the knee [letter] Wigley RD, et al. **N Engl J Med** 1981 May 21;304(21):1299

Calcified venous thrombosis of the lower extremities. Glanz S, et al. **Radiology** 1981 Apr;139(1):67–71

[Vertical phlebography by puncture of the popliteal vein] Mariani G, et al. **Chir Ital** 1980 Jun;32(3):579–87 **(Ita)**

[A case of traumatic popliteal arterio-venous fistula, hemodynamically studied by non-invasive method (author's transl)] Shimada E, et al. **Kokyu To Junkan** 1980; 28(7):793–9 (Eng. Abstr.) **(Jpn)**

INJURIES

[Clinical, therapeutic and pathogenetic considerations of traumatic lesions of the femoro-popliteal venous trunk] Zelli GP, et al. **Ann Ital Chir** 1980;52(3):259–66 **(Ita)**

RADIOGRAPHY

Peroperative venography to ensure accurate sapheno-popliteal vein ligation. Hobbs JT. **Br Med J** 1980 Jun 28;280(6231):1578–9

[Popliteal phlebography: principles, objectives, techniques, and results. A report on 50 cases (author's transl)] Doyon D, et al. **J Radiol** 1980 Feb;61(2):107–10 (Eng. Abstr.) **(Fre)**

[The 'thrombosis of the first day of vacation'] May R, et al. **MMW** 1981 Jul 17;123(29–30):1173–4 **(Ger)**

SURGERY

Secondary femoropopliteal reconstruction. Whittemore AD, et al. **Ann Surg** 1981 Jan;193(1):35–42

Femoropopliteal vein grafts for intermittent claudication. King RB, et al. **Br J Surg** 1980 Jul;67(7):489–92

POPULATION

Population structure and anthropometric variation in rural western Ireland: migration and biological differentiation. Relethford JH, et al. **Ann Hum Biol** 1980 Sep-Oct; 7(5):411–28

A note on the use of regression methods in population estimates. O'Hare WP. **Demography** 1980 Aug;17(3):341–3

Some new techniques for applying the housing unit method of local population estimation. Smith SK, et al. **Demography** 1980 Aug;17(3):323–39

Improving accuracy in multiple regression estimates of

population using principles from causal modelling. Swanson DA. **Demography** 1980 Nov;17(4):413–27
HLA-linked B cell alloantigens of a new segregant series: population and family studies of the SB antigens. Shaw S, et al. **Hum Immunol** 1980 Sep;1(2):177–85
Comparative studies of human C4 phenotypes, their population genetics, and association with HLA-B antigens. Rittner C, et al. **Immunobiology** 1980;158(1–2):119–28
Distribution of IgE in a community population sample: correlations with age, sex, and allergen skin test reactivity. Barbee RA, et al. **J Allergy Clin Immunol** 1981 Aug; 68(2):106–11
Nutrition policies and population policies. Bender AE. **J Hum Nutr** 1980 Dec;34(6):417–28
The effects of law enforcement activity on a population of opiate abusers. Atkinson CA. **Natl Inst Drug Abuse Res Monogr Ser** 1980;(34):199–205
Analysis of compensatory Leslie matrix models for competing species. Travis CC, et al. **Theor Popul Biol** 1980 Aug;18(1):16–30
The person-number systems of Sweden, Norway, Denmark, and Israel. Lunde AS, et al. **Vital Health Stat [2]** 1980; 2(84):1–59
[Tasks of medical care in the pre- and perinatal periods in relation to demographic phenomena] Kovács A, et al. **Akush Ginekol (Sofiia)** 1980;19(5–6):473–5 **(Bul)**
[Practical evaluations on population health characteristics. 4. Handicaps as a measure of fitness] Ewert G, et al. **Z Aerztl Fortbild (Jena)** 1980 Jan 1;74(1):39–41 **(Ger)**
[Practical views for the characterization of the state of health on a population level. 5. Prospects of further development of the problem] Ewert G, et al. **Z Aerztl Fortbild (Jena)** 1980 Sep 1;74(17):828–32 **(Ger)**
[Medical aspects of demographic policy in a large city] Miniaev VA, et al. **Sov Zdravookhr** 1981;(3):7–11 **(Rus)**
[The population of Chile: past, present and future (letter)] Cruz-Coke R. **Rev Med Chil** 1981 Jan;109(1):68–72 **(Spa)**

POPULATION CONTROL

see related
ABORTION, LEGAL
FAMILY PLANNING
STERILIZATION, SEXUAL

Assessment of fox control in areas of wildlife rabies. Bögel K, et al. **Bull WHO** 1981;59(2):269–79
Natural regulation of rhesus monkey populations in Kathmandu, Nepal. Rhesus monkey groups near Kathmandu, Nepal, show demographic patterns of intrinsic population stability. Teas J, et al. **Folia Primatol (Basel)** 1981;35(2–3):117–23
Nutrition policies and population policies. Bender AE. **J Hum Nutr** 1980 Dec;34(6):417–28
Contraceptives for feral cats [letter] McDonald M. **Vet Rec** 1980 May 3–17;106(18–20):418
Hunters Bar Veterinary Clinic, Sheffield. McDonald M. **Vet Rec** 1980 Feb 9;106(6):129
Aspects of fertility control in the caribbean [editorial] Matadial L. **West Indian Med J** 1981 Mar;30(1):1–2
[Outline of demographic politics (author's transl)] Maier W. **Geburtshilfe Frauenheilkd** 1980 Oct;40(10):889–92 (Eng. Abstr.) **(Ger)**

POPULATION DENSITY

see related
CROWDING
SOCIAL ISOLATION

Population density as an indicator of urban-rural differences in cancer incidence, upstate New York, 1968–1972. Nasca PC, et al. **Am J Epidemiol** 1980 Sep;112(3):362–75
Influences of population density on reproductive output at food excess in the guppy, Poecilia reticulata (Peters). Dahlgren BT. **Biol Reprod** 1980 Jun;22(5):1047–61
Habitat quality and populations of two sympatric gibbons (Hylobatidae) on a mountain in Malaya. Caldecott JO. **Folia Primatol (Basel)** 1980;33(4):291–309
Effect of population density upon life expectancy and wing retention in the common house fly, Musca domestica L. Rockstein M, et al. **Gerontology** 1981;27(1–2):13–9
Relative importance of different types of breeding habitats in contributing to the population of Culex pipiens fatigans in Pondicherry. Menon PK, et al. **Indian J Med Res** 1980 May;71:725–33
A measure of intensity of population. Chandra AS. **Indian J Public Health** 1981 Jan–Mar;25(1):3–5
Relationship of size of veterinary service areas to practice type and community size. Wise JK. **J Am Vet Med Assoc** 1981 Mar 15;178(6):594–5
A criterion of life history evolution based on density dependent selection. Iwasa Y, et al. **J Theor Biol** 1980 Jun 7;84(3):545–66
Density-dependent dispersal and spatial distribution of a population. Namba T. **J Theor Biol** 1980 Sep 21; 86(2):351–63
Density compensation, isocline shape and single-level competition models. Nunney L. **J Theor Biol** 1980 Sep 21; 86(2):323–49
Age- and density-dependent population dynamics in static and variable environments. Gurney WS, et al. **Theor Popul Biol** 1980 Jun;17(3):321–44
[Effect of population density on the raising of broiler chickens] Stoianov P, et al. **Vet Med Nauki** 1980; 17(6–7):58–63 (Eng. Abstr.) **(Bul)**
[Incidence of immature foetus births in relation to community size (author's transl)] Pfeifer I, et al. **Cas Lek Cesk** 1980 Jun 27;119(25–26):709–13 (Eng. Abstr.) **(Cze)**
[Epidemiology and control of wildlife rabies-analysis of potential causes for the vigorous reduction of the badger (Meles meles) population in Hesse 1952 till 1977 (FRG) (author's transl)] Wachendörfer G, et al. **DTW** 1980; 87(7):255–60 (Eng. Abstr.) **(Ger)**
[Distribution of DDT-resistant populations of malaria vectors in the territory of the USSR] Alekseev AN, et al. **Med Parazitol (Mosk)** 1981 Jan–Feb;60(1):3–9 (Eng. Abstr.) **(Rus)**
[Blood-sucking midge fauna and numbers in Abakan and environs] Gornostaeva RM. **Med Parazitol (Mosk)** 1981 Jan–Feb;60(1):24–7 (Eng. Abstr.) **(Rus)**
[Comparative evaluation of methods for trapping blood-sucking mosquitoes. III. A statistical data analysis of the mosquito population trapped by different methods] Masalkina TM. **Med Parazitol (Mosk)** 1981 Mar–Apr; 50(2):58–61 (Eng. Abstr.) **(Rus)**
[Determination of the population count of the common cockroach in buildings] Niiazova MV, et al. **Med Parazitol (Mosk)** 1981 Jan–Feb;60(1):45–8 (Eng. Abstr.) **(Rus)**
[Incidence of infestation of great gerbils (Rhombanys opimus, Licht.) by Leishmania major during years of their population depression] Solov'eva TV, et al. **Med Parazitol (Mosk)** 1981 Mar–Apr;50(2):71–6 **(Rus)**
[Spatial distribution of fleas (Siphonaptera) in the burrows of the greater gerbil in the south central Kara-Kum] Starozhitskaia GS, et al. **Parassitologia** 1981 Jan–Feb; 15(1):31–7 (Eng. Abstr.) **(Rus)**
[Low-count and base populations of the warble fly, Hypoderma ovis (Hypodermatidae), and their significance in the persistence of hypodermyiasis] Minař JK, et al. **Parazitologiia** 1981 Mar–Apr;15(2):163–7 (Eng. Abstr.) **(Rus)**
[Effect of the population density of the tick Ornithodoros papillipes (Argasidae) on its experimental oviposition] Vasil'eva IS, et al. **Parazitologiia** 1980 Sep–Oct;14(5):392–7 (Eng. Abstr.) **(Rus)**

POPULATION DISTRIBUTION see **DEMOGRAPHY**

POPULATION DYNAMICS

Effects of population changes on psychological and physiological strain in kibbutz communities. Shirom A, et al. **Am J Community Psychol** 1981 Feb;9(1):27–43
Canine population dynamics: a study of the Manhattan, Kansas, canine population. Nassar R, et al. **Am J Vet Res** 1980 Nov;41(11):1798–803
The non-Markovian nature of migration: a case study in the Aland Islands, Finland. Kramer PL. **Ann Hum Biol** 1981 May-Jun;8(3):243–53
The structure of the human population of the Isles of Scilly: inferences from surnames and birthplaces listed in census and marriage records. Raspe PD, et al. **Ann Hum Biol** 1980 Sep–Oct;7(5):401–10
Infanticide in the meadow vole, Microtus pennsylvanicus: significance in relation to social system and population cycling. Webster AB, et al. **Behav Neural Biol** 1981 Mar; 31(3):342–7
Local population projections with special reference to health districts. Campbell RA. **Community Med** 1981 Feb; 3(1):55–9
Natural regulation of rhesus monkey populations in Kathmandu, Nepal. Rhesus monkey groups near Kathmandu, Nepal, show demographic patterns of intrinsic population stability. Teas J, et al. **Folia Primatol (Basel)** 1981;35(2–3):117–23
Population dynamics and the evolution of sex-determination in lemmings. Carothers AD. **Genet Res** 1980 Oct; 36(2):199–209
Oscillations of frequency in Batesian mimics, hawks and doves, and other simple frequency dependent polymorphisms. Turner JR. **Heredity (Edinburgh)** 1980 Aug;45(1):113–26
Sex ratio under the haystack model. Bulmer MG, et al. **J Theor Biol** 1980 Sep 7;86(1):83–9
Model stability and instability in age structured populations. Cushing JM. **J Theor Biol** 1980 Oct 21;86(4):709–30
Demographic trends and drug abuse, 1980–1995. Richards LG. **Natl Inst Drug Abuse Res Monogr Ser** 1981 May; (35):1–98
Immigration and extinction probabilities for individual species: relation to incidence functions and species colonization curves. Gilpin ME, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):392–6
The demographic dimensions of health manpower policy. Ostow M, et al. **Public Health Rep** 1981 Jul–Aug; 96(4):304–9
Age- and density-dependent population dynamics in static and variable environments. Gurney WS, et al. **Theor Popul Biol** 1980 Jun;17(3):321–44
[Planktonic and bacterial population dynamics during experimental production of natural marine phytoplankton. II. Structure and physiology of populations and their interactions.] Lelong PP, et al. **Can J Microbiol** 1980 Mar; 26(3):297–307 (Eng. Abstr.) **(Fre)**
[Geographical hematology and population dynamics] Ruffié J, et al. **Nouv Rev Fr Hematol** 1979;21(4):321–46 (37 ref.) (Eng. Abstr.) **(Fre)**
[Food consumption in relation to size of collectivity. Parallel time trends (author's transl)] Pequignot G, et al. **Rev Epidemiol Sante Publique** 1980;28(2):169–83 (Eng. Abstr.) **(Fre)**
[The dynamic ecology of virus-vector system (author's transl)] Rodhain F, et al. **Rev Epidemiol Sante Publique** 1979;27(5–6):399–408 (Eng. Abstr.) **(Fre)**
[Unexpected help for a constructive family policy] Oeter F. **Fortschr Med** 1980 Jul 3;98(25):976–9 **(Ger)**
[The consequences of long term demographic changes (author's transl)] Maier W. **Geburtshilfe Frauenheilkd** 1981 Jan;41(1):55–7 (Eng. Abstr.) **(Ger)**
[Population development in the German Democratic Republic in the years 1970 to 1977/78] Mikat B, et al. **Lebensversicherungsmedizin** 1980 May;32(3):74–5 (Eng. Abstr.) **(Ger)**
[Birth rate, death rate and aging of the Italian population in the last 25 years] D'Arca Simonetti A, et al. **Nuovi Ann Ig Microbiol** 1978 Nov–Dec;29(6):421–41 (Eng. Abstr.) **(Ita)**
[Influence of population on aging health curve system structure (author's transl)] Fujimasa I. **Nippon Ronen Igakkai Zasshi** 1980 May;17(3):293–6 **(Jpn)**
[The elderly society and survival (author's transl)] Kuroda T. **Nippon Ronen Igakkai Zasshi** 1980 May;17(3):297–9 **(Jpn)**
[Modern population ecology and the theory of natural foci of disease] Korenberg EI. **Med Parazitol (Mosk)** 1981 May-Jun;50(3):3–11 (79 ref.) **(Rus)**
[Biotopic distribution and the dynamics of the activity of blood-sucking biting midges, Culicoides pulicaris punctatus, in the southern Urals] Mukanov SM. **Med Parazitol (Mosk)** 1981 Mar–Apr;50(2):83–5 (Eng. Abstr.) **(Rus)**
[Changes in the physiological age and abundance of Ixodes persulcatus ticks during their activity season (Ixodidae)] Rasnitsyn SP, et al. **Parazitologiia** 1980 Nov–Dec; 14(6):493–9 (Eng. Abstr.) **(Rus)**
[Chilean population: past, present and future (author's transl)] Viel B. **Rev Med Chil** 1980 Mar;108(3):255–68 (Eng. Abstr.) **(Spa)**

POPULATION EXPLOSION see **POPULATION GROWTH**

POPULATION GROWTH

Reproduction and population growth in free-ranging mantled howling monkeys. Glander KE. **Am J Phys Anthropol** 1980 Jul;53(1):25–36
Global stability of population models. Cull P. **Bull Math Biol** 1981;43(1):47–58
Some generalized conjugacy theorems and the concepts of fitness and survival in logistic growth models. Witten M. **Bull Math Biol** 1980;42(4):507–28
Official opening speech by the Hon. Dr. E. Wameyo, Assistant Minister for Health, Kenya. Wameyo E. **East Afr Med J** 1980 Dec;57(12):809–12
The effect of integral conditions in certain equations modelling epidemics and population growth. Busenberg S, et al. **J Math Biol** 1980 Aug;10(1):13–32
Linear age-dependent population growth with seasonal harvesting. Sánchez DA. **J Math Biol** 1980 Jun;9(4):361–8
Non-linear age-dependent population growth. Sinestrari E. **J Math Biol** 1980 Jun;9(4):331–45
Pesticides and British wildlife: brief review of some recent work at Monks Wood. Osborn D. **J R Soc Med** 1980 Feb; 73(2):127–30 (21 ref.)
Evolution of senescence: influence of age-dependent death rates on the natural increase of a hypothetical population. Hirsch HR. **J Theor Biol** 1980 Sep 7;86(1):149–68
The dynamics of discrete-time stochastic models of population growth. Smith RH, et al. **J Theor Biol** 1980 Oct 21;86(4):607–27
Logistic growth in the presence of non-white environmental noise. Strebel DE. **J Theor Biol** 1980 Aug 21;85(4):713–38
Whither human reproduction? Louw NS. **S Afr Med J** 1981 Jul 18;60(3):105–8
More white babies – what hopes? Walker AR. **S Afr Med J** 1981 Feb 28;59(9):285
Theory on prospect of population evolution processes. Song J, et al. **Sci Sin** 1981 Mar;24(3):431–44
Health service planning and projected population change: some observations for New Zealand. Heenan LD. **Soc Sci Med [Med Geogr]** 1980 Jun;14(2):241–9
Population growth in the United States and Canada. **Stat Bull Metropol Life Ins Co** 1980 Apr–Jun;61(2):12–14
Timing in the life histories of insects. Taylor F. **Theor Popul Biol** 1980 Aug;18(1):112–24
Agents affecting health of mother and child in a rural area of Kenya. XVII. Population growth in 1974–1978. Van Ginneken JK, et al. **Trop Geogr Med** 1980 Jun;32(2):174–82
[Present population development and decision problems in the frame of social security for the aged] Meinhold H. **Z Gerontol** 1980 May-Jun;13(3):326–34 (Eng. Abstr.) **(Ger)**
[A mathematical simulation model to estimate the population

development in a bee (Apis mellifera L.) colony following infestation with the mite Varroa jacobsoni Oud.] Dolejsky W, et al. **Zentralbl Veterinaermed [B]** 1980; 27(9–10):798–805 (Eng. Abstr.) **(Ger)**

[Analysis of infantile and perinatal mortality and demographic indices in Sicily and Palermo from 1860 to 1979] Priolisi A, et al. **Minerva Pediatr** 1981 Jul 15; 33(13):633–40 (Eng. Abstr.) **(Ita)**

[Population problems and challenging studies for solution (author's transl)] Kuroda T. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Sep; 32(9):1185–92 **(Jpn)**

[Alternative prognostication of the population of fleas of the genus Xenopsylla (Siphonaptera)] Dubianskiĭ MA, et al. **Parazitologiia** 1980 Nov–Dec;14(6):482–5 (Eng. Abstr.) **(Rus)**

POPULATION SURVEILLANCE

Techniques and uses of nosocomial infection surveillance in U.S. hospitals, 1976–1977. Emori TG, et al. **Am J Med** 1981 Apr;70(4):933–40

Progress report on the evaluation of the efficacy of infection surveillance and control programs. Haley RW, et al. **Am J Med** 1981 Apr;70(4):971–5

Automated follow-up facilities in Canada for monitoring delayed health effects. Smith ME, et al. **Am J Public Health** 1980 Dec;70(12):1261–8

Towards prediction and surveillance of Murray Valley encephalitis activity in Australia. Kay BH. **Aust J Exp Biol Med Sci** 1980 Feb;58(1):67–76

Surveillance of food poisoning and salmonella infections [letter] Miskelly FG, et al. **Br Med J** 1980 Oct 18; 281(6247):1069

Health-related components of a nutritional surveillance system. Daza CH, et al. **Bull Pan Am Health Organ** 1980; 14(4):327–36

A multidisciplinary program of infectious disease surveillance along the Transamazon highway in Brazil: epidemiology of arbovirus infections. Dixon KE, et al. **Bull Pan Am Health Organ** 1981;15(1):11–25

Organizational methods used in an epidemiological study in Leningrad. Katrušenko AG, et al. **Bull WHO** 1981; 59(2):281–4

An overview of the Salmonella surveillance system in Canada. Bollegraaf E. **Can J Public Health** 1980 Jul–Aug; 71(4):241–9

Metformin monitoring [letter] Biron P. **Can Med Assoc J** 1980 Jul 5;123(1):11–2

Quantifying alcohol consumption: patterns and problems. Cahalan D. **Circulation** 1981 Sep;64(3 Pt 2):III 7–14 (50 ref.)

The use of biological markers in studies of health effects of pollutants. Foreword to the proceedings of the Second Workshop on Health Surveillance around Point Sources of Pollution. Goldstein IF. **Environ Res** 1981 Jun; 25(1):236–40 (23 ref.)

Epidemiology, public health, and health surveillance around point sources of pollution. Stebbings JH Jr. **Environ Res** 1981 Jun;25(1):1–7

Some results and prospects of the activity of the working group of 'Geography of Health' under the scope of the International Geographical union. Chaklin AV. **Geogr Med** 1980;10:3–11

Clinical and radiological observations on asbestos-related pathology. Bohlig H, et al. **IARC Sci Publ** 1980; 2(30):497–506

Smallpox surveillance in Bangladesh: I – Development of surveillance containment strategy. Foster SO, et al. **Int J Epidemiol** 1980 Dec;9(4):329–34

Mesothelioma Surveillance Programme [letter] Ng T, et al. **Med J Aust** 1980 Sep 20;2(6):345

Salmonella surveillance: United States Army, Europe, CY 78. James JJ. **Milit Med** 1980 Aug;145(8):542–7

Smallpox eradication. Henderson DA. **Public Health Rep** 1980 Sep–Oct;95(5):422–6

CDC's surveillance of surgical sterilization: objectives and methods of data collection. Smith JC. **Public Health Rep** 1981 Jul–Aug;96(4):357–62

PORCELAIN see **DENTAL PORCELAIN**

PORCINE XENOGRAFT BIOPROSTHESIS see **BIOPROSTHESIS**

PORIFERA

Methylaplysinopsin and other marine natural products affecting neurotransmission. Taylor KM, et al. **Fed Proc** 1981 Jan;40(1):15–20

[Formation of bone marrow organs following transplantation of cell suspensions to sponges] Fridenshtein ALa, et al. **Biull Eksp Biol Med** 1981 May;91(5):606–8 (Eng. Abstr.) **(Rus)**

[Transfer of bone marrow microenvironment by stromal cells grown in culture and transplanted into sponges] Grosheva AG, et al. **Biull Eksp Biol Med** 1981 May;91(5):608–10 (Eng. Abstr.) **(Rus)**

ANALYSIS

Fluorescent antibody localization of Microciona prolifera aggregation factor and its baseplate component. Kuhns WJ, et al. **Eur J Cell Biol** 1980 Dec;23(1):73–9

Inhibition of nerve-mediated contractions in isolated guinea-pig ileum by 1-methylisoguanosine, a novel purine from a sponge. Jamieson D, et al. **Eur J Pharmacol** 1980 Oct 17;67(2–3):295–300

Desacetylscalaradial, a cytotoxic metabolite from the sponge Cacospongia scalaris. Yasuda F, et al. **Experientia** 1981 Feb 15;37(2):110–1

ANATOMY & HISTOLOGY

[Organization of the parenchymula of the endemic Baikal sponge Swartschewskia papyracea (Dyb)] Alekseeva NP. **Arkh Anat Gistol Embriol** 1980 Dec;79(12):74–80 (Eng. Abstr.) **(Rus)**

CYTOLOGY

[Spermatogenesis of the Baikal sponge Lubomirskia baicalensis (Pallas). Ultrastructural study] Efremova SM, et al. **Arkh Anat Gistol Embriol** 1980 Dec;79(12):88–95 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

[Somatic embryogenesis of certain Spongillidae during the reproductive period of their life cycle] Sukhodol'skaia AN, et al. **Arkh Anat Gistol Embriol** 1980 Dec;79(12):80–8 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Cell aggregation of the marine sponge Geodia cydonium. Identification of lectin-producing cells. Müller WE, et al. **Eur J Cell Biol** 1981 Apr;24(1):28–35

Afferent sensitization and efferent cytotoxicity in allogeneic tissue responses of the marine sponge Callyspongia diffusa. Bigger CH, et al. **Transplantation** 1981 Jun;31(6):461–4

Transplantation immunity in the Palaun sponge, Xestospongia exigua. Hildemann WH, et al. **Transplantation** 1981 Jul;32(1):77–80

Characteristics of transplantation immunity in the sponge, Callyspongia diffusa. Hildemann WH, et al. **Transplantation** 1980 Nov;30(5):362–7

MICROBIOLOGY

Lectin, a possible basis for symbiosis between bacteria and sponges. Müller WE, et al. **J Bacteriol** 1981 Jan; 145(1):548–58

PHYSIOLOGY

Effects of puromycin on the differentiation of the freshwater sponge: Ephydatia fluviatilis. Rozenfeld F. **Differentiation** 1980;17(3):193–8

Xenograft rejection in marine sponges. Isolation and purification of an inhibitory aggregation factor from Geodia cydonium. Müller WE, et al. **Eur J Biochem** 1981 Jun 1;116(3):573–9

Conduction system in a sponge. Lawn ID, et al. **Science** 1981 Mar 13;211(4487):1169–71

PORNOGRAPHY see **EROTICA**

PORPHOBILINOGEN

BIOSYNTHESIS

[Features of porphobilinogen synthesis from delta-aminolevulinic acid in the tissues of the internal organs of rats] Liubchenko PN, et al. **Biull Eksp Biol Med** 1980 Dec;90(12):730–2 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effects of delta-aminolaevulinic acid, porphobilinogen, amino acids and barbiturates on calcium accumulation by cultured neurons. Percy VA, et al. **Biochem Pharmacol** 1981 Mar 15;30(6):665–6

URINE

[Studies on patients with polychlorinated biphenyls poisoning. Determination of urinary coproporphyrin, uroporphyrin, delta-aminolevulinic acid, and porphobilinogen (author's transl)] Lu FJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1980 Nov;79(11):990–5 (Eng. Abstr.) **(Chi)**

PORPHOBILINOGEN SYNTHASE see **AMINOLEVULINIC ACID DEHYDRATASE**

PORPHOBILINOGENASE see under **AMMONIA-LYASES**

PORPHYRIA

A previous history of acute intermittent porphyria as a complication of obstetric anaesthesia. Allen SC, et al. **Br J Anaesth** 1980 Aug;52(8):835–8

Porphyrins and porphyrias: ethiopathogenesis, clinics and treatment. (Proceedings of the First Internatinal Argentine Meeting on Porphyrins and Porphyrias held at the University of Buenos Aires, Argentina, 28 October–1 November, 1979). **Int J Biochem** 1980;12(5–6):671–1097

[Methods of anesthesia in rare systemic diseases] Hofmann-von Bandel J. **Intensivmed Prax** 1980;(2):47–50 **(Ger)**

[Anesthesia in patients with porphyria] Gilsanz FJ. **Rev Esp Anestesiol Reanim** 1980 Sep;27(5):431–40 (34 ref.) (Eng. Abstr.) **(Spa)**

BLOOD

Protoporphyrin-induced photohemolysis: differences related to the subcellular distribution of protoporphyrin in erythropoietic protoporphyria and when added to normal red cells. Brun A, et al. **Int J Biochem** 1981;13(2):225–8

Quantitative assay of erythrocyte 'free' and zinc-protoporphyrin: clinical and genetic studies. Schwartz S, et al. **Int J Biochem** 1980;12(5–6):1053–7

CHEMICALLY INDUCED

Anesthetic considerations of porphyria. Wright YG, et al. **AANA J** 1981 Feb;49(1):55–8

Screening of certain anaesthetic agents for their ability to elicit acute porphyric phases in susceptible patients. Blekkenhorst GH, et al. **Br J Anaesth** 1980 Aug; 52(8):759–62

Rifampicin-induced porphyria cutanea tarda. Millar JW. **Br J Dis Chest** 1980 Oct;74(4):405–8

Skin changes resembling hepatic cutaneous porphyria induced by oxytetracycline photosensitization. Hawk JL. **Clin Exp Dermatol** 1980 Sep;5(3):321–5

Alcohol-induced decrease in uroporphyrinogen decarboxylase activity in rat liver and spleen. Doss M, et al. **Enzyme** 1981;26(1):24–31

Anticonvulsant-induced unclassified porphyria. Fuchs T, et al. **Int J Biochem** 1980;12(5–6):955–7

Effects of pentachlorophenol on rat liver changes induced by hexachlorobenzene, with special reference to porphyria, and alterations in mixed function oxygenases. Debets FM, et al. **Toxicology** 1980;15(3):181–95

[Hyponatremia in a cirrhotic suffering from late cutaneous porphyria: a drug to avoid, demeclocycline (letter)] Boissonnas A, et al. **Nouv Presse Med** 1979 Jan 20;8(3):210 **(Fre)**

[Flunitrazepam and electrostimulation anaesthesia for acute intermittent porphyria (author's transl)] Unseld H. **Anaesth Intensivther Notfallmed** 1981 Feb;16(1):15–7 (Eng. Abstr.) **(Ger)**

[The effect of some hexachlorobenzene catabolites on the porphyrin metabolism of rats (author's transl)] Siklósi C, et al. **Derm Beruf Umwelt** 1981;29(2):40–2 (Eng. Abstr.) **(Ger)**

[Pseudo-porphyria cutanea tarda in patients with chronic renal insufficiency and in patients with transplanted kidney] Peserico A, et al. **Minerva Nefrol** 1980 Jul–Sep;27(3):495–6 (Eng. Abstr.) **(Ita)**

[Case of intermittent acute porphyria caused by occupational gas air pollutants] Hrycek A, et al. **Pol Tyg Lek** 1980 Jul 7;35(27):1031–2 (Eng. Abstr.) **(Pol)**

[Porphyria cutanea tarda caused by long-term use of femigen] Chowaniec O, et al. **Przegl Dermatol** 1980 May–Jun;67(3):349–52 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Acute intermittent porphyria and intracranial aneurysm: therapeutic considerations. Gilsanz FJ, et al. **Acta Neurochir (Wien)** 1981;57(1–2):33–6

Cicatricial ectropion and lacrimal obstruction associated with the sclerodermoid variant of porphyria cutanea tarda. Sober AJ, et al. **Am J Ophthalmol** 1981 Mar;91(3):396–400

Retinal branch vessel occlusion in acute intermittent porphyria. Miller SA, et al. **Ann Ophthalmol** 1979 Sep; 11(9):1379–83

Porphyria turcica [letter] Dean G. **Arch Dermatol** 1981 Jun; 117(6):318

An acute attack of variegate porphyria complicated by severe autonomic neuropathy. Stewart PM, et al. **Aust NZ J Med** 1981 Feb;11(1):82–3

Celiac disease or dermatitis herpetiformis in three patients with porphyria. Mustajoki P, et al. **Dig Dis Sci** 1981 Jul; 26(7):618–21

Liver involvement in erythropoietic protoporphyria (EP). Eales L. **Int J Biochem** 1980;12(5–6):915–23

Porphyria cutanea tarda and hepatocellular carcinoma. Topi GC, et al. **Int J Biochem** 1980;12(5–6):883–5

Subacute cutaneous lupus erythematosus and porphyria cutanea tarda. Report of a case. Callen JP, et al. **J Am Acad Dermatol** 1981 Sep;5(3):269–73

Porphyria cutanea tarda complicating Wilson's disease. Chesney TM, et al. **J Am Acad Dermatol** 1981 Jan;4(1):64–6

Acute intermittent porphyria with the syndrome of inappropriate adh secretion (SIADH) (a report of two cases). Chogle AR, et al. **J Assoc Physicians India** 1980 Oct;28(10):379–82

Drug safety in porphyria: risks of valproate and metoclopramide [letter] Doss M, et al. **Lancet** 1981 Jul 11; 2(8237):91

Risks of valproate in porphyria [letter] Garcia-Merino JA, et al. **Lancet** 1980 Oct 18;2(8199):856

Carpal tunnel syndrome in porphyria [letter] Massey EW. **Lancet** 1980 Oct 11;2(8198):808

Photosensitivity in erythropoietic protoporphyria and porphyria cutanea tarda [letter] Disler P, et al. **N Engl J Med** 1981 May 28;304(22):1363–4

Safety of anticonvulsants in hepatic porphyrias. Reynolds NC Jr, et al. **Neurology (NY)** 1981 Apr;31(4):480–4
Respiratory insufficiency associated with acute intermittent porphyria. Greenspan GH, et al. **South Med J** 1981 Aug; 74(8):954–6, 959
[Late cutaneous porphyria in a child with Down's syndrome (author's transl)] Mariani R, et al. **Arch Fr Pediatr** 1981 Jan;38(1):51–4 (Eng. Abstr.) **(Fre)**
[Severe catatonia, schizophrenia and hereditary coproporphyria. A case report (author's transl)] Offenstadt G, et al. **Sem Hop Paris** 1980 Nov 8–15;56(41–42):1727–30 (Eng. Abstr.) **(Fre)**
[Cholelithiasis in a previously not described case of congenital erythropoietic porphyria (author's transl)] Feurle GE, et al. **Dtsch Med Wochenschr** 1980 Aug 15; 105(33):1153–6 (Eng. Abstr.) **(Ger)**
[Hodgkin's disease as manifestation factor of chronic hepatic porphyria (author's transl)] Lengfelder W. **Dtsch Med Wochenschr** 1981 Jun 26;106(26):840–2 (Eng. Abstr.) **(Ger)**
[Long-term ACTH and corticosteroid therapy of polyneuropathy due to acute intermittent porphyria] Šoštarko M, et al. **Neurologija** 1979;27(1–4):227–31 (Eng. Abstr.) **(Scr)**
[Ascending polyneuritis of the Landry type as the sole manifestation of acute intermittent porphyria] Forteza-Rey J, et al. **Rev Clin Esp** 1980 Jul 15–31;158(1–2):69–71 **(Spa)**

CONGENITAL

Congenital erythropoietic porphyria--a relatively benign variant (2 cases). Mehta BC, et al. **J Assoc Physicians India** 1980 Aug;28(8):251–3
Brown amiotic fluid in congenital erythropoietic porphyria. Kaiser IH. **Obstet Gynecol** 1980 Sep;56(3):383–4
[Porphyria erythropetica congenita (letter)] Doss M. **Dtsch Med Wochenschr** 1980 Nov 21;105(47):1660–1 **(Ger)**

DIAGNOSIS

The diagnosis of acute intermittent porphyria. Usefulness and limitations of the erythrocyte uroporphyrinogen I synthase assay. Bottomley SS, et al. **Am J Clin Pathol** 1981 Aug; 76(2):183–9
Acute intermittent porphyria. O'Connor LJ. **Am J Nurs** 1981 Jun;81(6):1184–6
Porphyria cutanea tarda. Anderton RL. **Ariz Med** 1980 Oct; 37(10):694–5
Hyperpigmentation of the face and hands without blisters: porphyria cutanea tarda. Tsega E, et al. **Br J Dermatol** 1980 Aug;103(2):187–90
Identification of two types of porphyria cutanea tarda by measurement of erythrocyte uroporphyrinogen decarboxylase. Elder GH, et al. **Clin Sci** 1980 Jun; 58(6):477–84
Erythropoietic protoporphyria. Parker JM. **Cutis** 1980 Sep; 26(3):247–50
Acute intermittent porphyria in an East African female. Odonga AM, et al. **East Afr Med J** 1980 Oct;57(10):716–9
Erythropoietic protoporphyria. Bopp C, et al. **Int J Biochem** 1980;12(5–6):909–13
The measurement of erythrocyte uroporphyrinogen I synthase in the diagnosis of latent and acute intermittent porphyria. Brocklehurst D, et al. **Int J Biochem** 1980; 12(5–6):791–3
Anticonvulsant-induced unclassified porphyria. Fuchs T, et al. **Int J Biochem** 1980;12(5–6):955–7
Acute porphyrias: differential diagnosis and family studies. Kreimer-Birnbaum M, et al. **Int J Biochem** 1980; 12(5–6):801–6
Experience with the red cell uroporphyrinogen synthase (URO-S) assay in kindreds with acute intermittent porphyria (AIP). Kreimer-Birnbaum M, et al. **Int J Biochem** 1980;12(5–6):807–10
A clinical porphyrin unit: four years' experience. Lockwood WH, et al. **Int J Biochem** 1980;12(5–6):1085–8
Studied on the excretion pattern of porphyrins and its use as a tool for diagnosing both symptomatic and asymptomatic cases of porphyria cutanea tarda. Magnin PH, et al. **Int J Biochem** 1980;12(5–6):873–7
Unclassified porphyrias. Poulos V, et al. **Int J Biochem** 1980; 12(5–6):959–61
Porphyrias. Bhutani LK, et al. **Int J Dermatol** 1981 Jun; 20(5):380–4
Porphyria in the elderly: case reports. Pearce VR, et al. **J Am Geriatr Soc** 1981 Jul;29(7):316–8
Porphyria cutanea tarda. Diagnosis and management. Grossman ME, et al. **Med Clin North Am** 1980 Sep; 64(5):807–27
Porphyria Cutanea tarda in Missouri. Anderson PC. **Mo Med** 1981 Jun;78(6):299–302
Case report. Acute intermittent porphyria present as quadriparesis in Nigerian female. Enu CC, et al. **Trop Geogr Med** 1980 Sep;32(3):268–70
[Variegata porphyria. Up to date concerning a recent case (author's transl)] Gonday G, et al. **Sem Hop Paris** 1981 Feb 18–25;57(7–8):397–403 (Eng. Abstr.) **(Fre)**
[Red Ring Test for the recognition of disturbances of porphyrin metabolism] Brugsch J, et al. **MMW** 1981 Jan 9;123(2):57–8 **(Ger)**
[Liver porphyria in a subject occupationally exposed to inorganic lead (author's transl)] Giannini M, et al. **Med Lav** 1980 Jul–Aug;71(4):353–6 (Eng. Abstr.) **(Ita)**
[Porphyria variegata in Poland. Diagnosis and differentiation] Kostrzewska E, et al. **Pol Arch Med Wewn** 1980 Aug; 64(2):139–44 (Eng. Abstr.) **(Pol)**
[Acute intermittent porphyria detected during treatment of malaria with chloroquine] Gerwel M. **Pol Tyg Lek** 1980 Sep 1;35(35):1351–2 (Eng. Abstr.) **(Pol)**
[Clinical, biological and morphopathological aspects of chronic hepatoporphyria] Dănilă E, et al. **Rev Med Interna [Med Interna]** 1980 Jan–Feb;32(1):27–33 **(Rum)**
[Hepatic porphyria] Semendiaeva ME, et al. **Sov Med** 1981; (1):35–9 **(Rus)**
[Unusual clinical manifestations of acute intermittent porphyria and its combination with porphyria cutanea tarda] Gordon IB, et al. **Ter Arkh** 1980;52(9):114–6 (Eng. Abstr.) **(Rus)**
[Case of the cutaneous-hepatic form of porphyria] Zaretskiĭ MM, et al. **Ter Arkh** 1980;52(9):116–7 **(Rus)**

DRUG THERAPY

Photostesting of patients with erythropoietic protoporphyria [letter] Fusaro RM, et al. **Arch Dermatol** 1981 Apr; 117(4):190–2
Hydroxychloroquine treatment of porphyria cutanea tarda. Malkinson FD, et al. **Arch Dermatol** 1980 Oct; 116(10):1147–50
Zinc as an oral photoprotective agent in erythropoietic protoporphyria? Brun A, et al. **Int J Biochem** 1980; 12(5–6):931–4
Porphyrin biosynthesis in Euglena gracilis--IV. an endogenous factor controlling the enzymic synthesis of porphyrinogens and its possible role in the treatment of some porphyrias. de Geralnik AA, et al. **Int J Biochem** 1981;13(3):343–53
Acute intermittent porphyria--another approach to therapy. Wider de Xifra EA, et al. **Int J Biochem** 1980; 12(5–6):819–22
Treatment of porphyria. Cardinal RA, et al. **J Clin Psychiatry** 1981 Jul;42(7):291
The 'glucose effect' in acute hepatic porphyrias and in experimental porphyria. Doss M, et al. **Klin Wochenschr** 1981 Jul 1;59(13):727–35
Hematin therapy in porphyric attacks. Pierach CA, et al. **Klin Wochenschr** 1980 Aug 15;58(16):829–32
Carbamazepine in seizure management in acute intermittent porphyria [letter] Lai CW. **Neurology (NY)** 1981 Feb; 31(2):232–3
[Treatment of porphyria cutanea tarda with intermittent chloroquine] Raff M, et al. **Hautarzt** 1980 Aug;31(8):437–40 (Eng. Abstr.) **(Ger)**
[B-carotene as the therapeutic agent for erythropoetic protoporphyria, not the last resort] Kuhlwein A, et al. **Z Hautkr** 1980 Jun 15;55(12):817–23 **(Ger)**
[Effectiveness of UDPG in the treatment of porphyria cutanea tarda. Preliminary findings] Okolicsanyi L, et al. **Clin Ter** 1980 Sep 30;94(6):687–94 (Eng. Abstr.) **(Ita)**
[Treatment of porphyria cutanea tarda by urine alkalinization with sodium bicarbonate] Rubisz-Brzezińska J, et al. **Przegl Dermatol** 1980 Jul–Aug;67(4):493–7 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

Erythrocyte delta-aminolevulinic acid dehydratase activity in porphyria cutanea tarda [letter] Goerz G, et al. **Arch Dermatol Res** 1980;268(1):109–12
Erythrocyte porphyrinogen carboxy-lyase activity in porphyria cutanea tarda and certain other human porphyrias. Ríos de Molina MC, et al. **Clin Chim Acta** 1980 Dec 22;108(3):447–56
Uroporphyrinogen synthetase in erythrocytes. Its diagnostic value in latent acute intermittent porphyria with special regard to the gene penetrance. With TK, et al. **Dan Med Bull** 1981 Mar;28(1):27–34
The involvement of porphyrogenic steroids in the development of experimental porphyria. Graef V, et al. **Experientia** 1980 Sep 15;36(9):1090–1
Uroporphyrinogen decarboxylase deficiency in experimental chronic hepatic porphyria. von Tiepermann R, et al. **Hoppe Seylers Z Physiol Chem** 1980 Aug;361(8):1217–22
Acute hepatic porphyria syndrome with porphobilinogen synthase defect. Doss M, et al. **Int J Biochem** 1980; 12(5–6):823–6
Effects of a homogeneous formula high in corn oil and of intravenous glucose on red cell uroporphyrinogen I synthetase activity during porphyric relapses. Haust HL, et al. **Int J Biochem** 1980;12(5–6):811–8
Erythropoietic protoporphyria: evidence that it is due to a variant ferrochelatase. Kramer S, et al. **Int J Biochem** 1980; 12(5–6):925–30
The activities of the enzymes of haem biosynthesis in the porphyrias and during treatment of acute intermittent porphyrias. Moore MR, et al. **Int J Biochem** 1980; 12(5–6):941–6
Porphyrin biosynthesis and enzymatic studies in erythrocytes from normals and porphyric humans. Parera VE, et al. **Int J Biochem** 1980;12(5–6):947–53
Studies on the mechanism of experimental porphyria and ferrochelatase inhibition produced by 3,5-diethoxycarbonyl-1,4-dihydrocollidine. Tephly TR, et al. **Int J Biochem** 1980;12(5–6):993–8
Enzyme defects in the porphyrias and their relevance to the biochemical abnormalities in these disorders. Bloomer JR. **J Invest Dermatol** 1981 Jul;77(1):102–6
Congenital erythropoietic porphyria (Günther's disease): enzymatic studies on two cases of late onset. Deybach JC, et al. **J Lab Clin Med** 1981 Apr;97(4):551–8
[Induction of mixed microsomal oxidase in experimental hexachlorobenzene porphyria in rabbits] Chernev K, et al. **Eksp Med Morfol** 1981;20(1):8–11 (Eng. Abstr.) **(Bul)**
[Biosynthesis of heme: regulation; hereditary and experimental porphyrias] Grandchamp B, et al. **Expos Annu Biochim Med** 1980;34:45–80 (129 ref.) **(Fre)**
[Porphyria cutanea tarda in children. A case with a familial enzymatic study (letter)] Doutre MS, et al. **Nouv Presse Med** 1981 Apr 25;10(18):1502 **(Fre)**
[Hereditary and non-hereditary form of chronic hepatic porphyria: different behaviour of uroporphyrinogen decarboxylase in liver and erythrocytes (author's transl)] Doss M, et al. **Klin Wochenschr** 1980 Dec 15;58(24):1347–56 (Eng. Abstr.) **(Ger)**
[Biochemistry of porphyria] Uhlig HJ. **Z Aerztl Fortbild (Jena)** 1981 Jan 1;75(1):1–4 **(Ger)**
[Cytochrome P-450 dependent enzymatic activity in the liver of patients with porphyria cutanea tarda (author's transl)] Goerz G, et al. **Z Gastroenterol** 1980 Oct;18(10):532–6 (Eng. Abstr.) **(Ger)**
[Normal activity of uroporphyrinogen I synthase during an attack of acute intermittent porphyria] Kostrzewska E, et al. **Pol Tyg Lek** 1980 Nov 17;35(46):1785–6 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Porphyria cutanea tarda (PCT) in a patient with chronic renal failure on haemodialysis. Lichtenstein JR, et al. **Br J Dermatol** 1981 May;104(5):575–8
Porphyria cutanea tarda in a haemodialysed patient. Topi GC, et al. **Br J Dermatol** 1981 May;104(5):579–80
Porphyria and pseudo-porphyria in hemodialyzed patients. Topi GC, et al. **Int J Biochem** 1980;12(5–6):963–7
Hepatoerythropoietic porphyria: a new uroporphyrinogen decarboxylase defect or homozygous porphyria cutanea tarda? Elder GH, et al. **Lancet** 1981 Apr 25;1(8226):916–9
[Expert observations on late lesions of arsenic poisoning with porphyria cutanea tarda and Dupuytren's contracture] Grobe JW. **Derm Beruf Umwelt** 1980;28(4):116–7 **(Ger)**
[Pseudo-porphyria cutanea tarda in patients with chronic renal insufficiency and in patients with renal transplants] Antonello A, et al. **Minerva Chir** 1980 May 31;35(10):775–7 **(Ita)**

FAMILIAL & GENETIC

Genetic, metabolic, and biochemical aspects of the porphyrias. Sassa S, et al. **Adv Hum Genet** 1981;11:121–231 (322 ref.)
Enzyme defects in hereditary porphyria. Civin WH, et al. **Ann Clin Lab Sci** 1980 Sep–Oct;10(5):395–401 (36 ref.)
Normal erythrocyte uroporphyrinogen I synthase in a kindred with acute intermittent porphyria. Mustajoki P. **Ann Intern Med** 1981 Aug;95(2):162–6
Hepatic acetylator phenotype in porphyria cutanea tarda. Ladero JM, et al. **Arch Dermatol Res** 1981;270(2):171–3
Porphyria cutanea tarda and beta-thalassaemia minor with iron overload [letter] Chapman R. **Br Med J** 1980 Oct 18; 281(6247):1070
Porphyria cutanea tarda and beta-thalassaemia minor with iron overload [letter] Day RS, et al. **Br Med J** 1980 Sep 20;281(6243):809
Porphyria cutanea tarda in three brothers and one sister. García Díez A, et al. **Dermatologica** 1981;162(4):243–8
The inheritance of porphyria cutanea tarda. Enriquez de Salamanca R, et al. **Int J Biochem** 1980;12(5–6):869–72
Afro-Americans and acute intermittent porphyria (AIP). Kreimer-Birnbaum M, et al. **Int J Biochem** 1980; 12(5–6):795–9
The incidence of chronic hepatic porphyria in an Italian family. Strik JJ, et al. **Int J Biochem** 1980;12(5–6):879–81
Characterization of the porphobilinogen deaminase deficiency in acute intermittent porphyria. Immunologic evidence for heterogeneity of the genetic defect. Anderson PM, et al. **J Clin Invest** 1981 Jul;68(1):1–12
Accumulation of protoporphyrin IX from delta-aminolevulinic acid in bovine skin fibroblasts with hereditary erythropoietic protoporphyria. A gene-dosage effect. Sassa S, et al. **J Exp Med** 1981 May 1; 153(5):1094–101
HLA-types in porphyria cutanea tarda [letter] Kuntz BM, et al. **Lancet** 1981 Jan 17;1(8212):155
The hepatic porphyrias. Romeo G. **Prog Med Genet** 1980; 4:169–97 (93 ref.)
The porphyrias: an example of pharmacogenetic disease. McColl KE, et al. **Scott Med J** 1981 Jan;26(1):32–40 (15 ref.)
[Variegate porphyria; a family study] Westerhof W, et al. **Ned Tijdschr Geneeskd** 1981 Aug 1;125(31):1235–41 (Eng. Abstr.) **(Dut)**
[Prophyrias: genetic transmission and prevention (author's transl)] Husquinet H, et al. **Praxis** 1980 Nov 18; 69(46):1693–701 (Eng. Abstr.) **(Fre)**
[Chronic hepatic porphyria with uroporphyrinogen decarboxylase defect in four generations (author's transl)]

Lehr PA, et al. **Dtsch Med Wochenschr** 1981 Feb 20; 106(8):241–5 (Eng. Abstr.) **(Ger)**
[Porphyria variegata] Meinhof W, et al. **Hautarzt** 1980 Nov; 31(11):595–601 (Eng. Abstr.) **(Ger)**
[Familial form of hepatic porphyria] Zharko KP, et al. **Vrach Delo** 1981 Jan;(1):19–20 **(Rus)**

IMMUNOLOGY

HLA and porphyria cutanea tarda. Llorente L, et al. **Arch Dermatol Res** 1980;269(2):209–10
Generation of chemotactic activity in serum from patients with erythropoietic protoporphyria and porphyria cutanea tarda. Lim HW, et al. **N Engl J Med** 1981 Jan 22; 304(4):212–6
[Serologic hepatitis B markers in porphyria cutanea tarda (author's transl)] Uthemann H, et al. **Dtsch Med Wochenschr** 1980 Dec 5;105(49):1718–20 (Eng. Abstr.) **(Ger)**

METABOLISM

The protective role of epidermal melanin in a patient with porphyria variegata and vitiligo. Westerhof W, et al. **Acta Derm Venereol (Stockh)** 1981;61(1):23–8
Follow-up studies of porphyrin excretion in porphyria cutanea tarda treated with p-aminobenzoic acid. de Salamanca RE, et al. **Ann Clin Res** 1980 Dec;12(6):279–81
Studies of porphyrin synthesis in fibroblasts of patients with congenital erythropoietic porphyria and one patient with homozygous coproporphyria. Grandchamp B, et al. **Biochim Biophys Acta** 1980 May 22;629(3):577–86
Drug induced acute porphyric episodes in rats. Day RS, et al. **Int J Biochem** 1980;12(5–6):1007–11
Metabolism as a prerequisite for the porphyrinogenic action of polyhalogenated aromatics, with special reference to hexachlorobenzene and polybrominated biphenyls (Firemaster BP-6). Debets FM, et al. **Int J Biochem** 1980; 12(5–6):1019–25
The clinical and biochemical features of variegate porphyria: an analysis of 300 cases studied at Groote Schuur Hospital, Cape Town. Eales L, et al. **Int J Biochem** 1980; 12(5–6):837–53
Unusual porphyrins in porphyric bullous fluid. Eales L, et al. **Int J Biochem** 1980;12(5–6):1059–65
Hepatic metabolism of bromosulphthalein in porphyria cutanea tarda. Enríquez de Salamanca R, et al. **Int J Biochem** 1980;12(5–6):855–9
Abnormal perchlorate-induced radio-iodide loss from the thyroid gland in porphyrinopathies. Haust HL, et al. **Int J Biochem** 1980;12(5–6):981–4
Monopyrroles in porphyria, psychosis and lead exposure. Moore MR, et al. **Int J Biochem** 1980;12(5–6):827–32
Thirty years with biochemistry and clinic of porphyrias in man and animals. With TK. **Int J Biochem** 1980; 12(5–6):985–8
Hepatic porphyrins in variegate porphyria [letter] Day RS, et al. **N Engl J Med** 1980 Dec 4;303(23):1368–9

OCCURRENCE

The different types of porphyria in Denmark and the importance of family studies. With TK. **Int J Biochem** 1980; 12(5–6):887–9
Variegate porphyria. Twelve years' experience in Finland. Mustajoki P. **Q J Med** 1980 Spring;49(194):191–203

PATHOLOGY

The histopathology and ultrastructure of liver disease in erythropoietic protoporphyria. MacDonald DM, et al. **Br J Dermatol** 1981 Jan;104(1):7–17
The pathology of the liver in porphyria cutanea tarda. Cortés JM, et al. **Histopathology** 1980 Sep;4(5):471–85
Demonstration of intracytoplasmic needle-like inclusions in hepatocytes of patients with porphyria cutanea tarda. James KR, et al. **J Clin Pathol** 1980 Sep;33(9):899–900
[Erythropoietic protoporphyria] Verea Hernando MM, et al. **Ann Dermatol Venereol** 1980 May;107(5):439–44 **(Fre)**
[Porphyria variegata. Clinical and tomodensitometric aspects resembling centropontine myelinolysis (letter)] Ninet J, et al. **Nouv Presse Med** 1980 Oct 11;9(37):2738–9 **(Fre)**
[Manifestations of porphyria cutanea tarda (letter)] Doss M. **Dtsch Med Wochenschr** 1981 Feb 13;106(7):220–1 **(Ger)**
[The syndrome of acute hepatic porphyria] Hampel R, et al. **Z Aerztl Fortbild (Jena)** 1979 Dec 1;73(23):1118–22 **(Ger)**
[Atypically localized persistent skin changes in erythropoietic protoporphyria (EPP)—histologic and electron microscopic findings (author's transl)] Meigel W, et al. **Z Hautkr** 1981 Apr 15;56(8):489–97 (Eng. Abstr.) **(Ger)**
[Liver pathology in porphyria cutanea tarda (author's transl)] Harada T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1980 Jun;77(6):908–15 (Eng. Abstr.) **(Jpn)**
[Changes in the nervous system in acute intermittent porphyria. Light and electron microscopy study] Dožić S, et al. **Srp Arh Celok Lek** 1980 Mar;108(3):211–27 (Eng. Abstr.) **(Scc)**

PHYSIOPATHOLOGY

International review of drugs in acute porphyria—1980. Moore MR. **Int J Biochem** 1980;12(5–6):1089–97 (77 ref.)
[Case of acute intermittent porphyria] Kotova LN, et al. **Sov Med** 1980;(8):113–5 **(Rus)**
[Results of long-term follow-up of patients with porphyria cutanea tarda] Smirnov VS. **Vestn Dermatol Venerol** 1981 Mar;(3):59–62 (Eng. Abstr.) **(Rus)**

THERAPY

Transfusion therapy in a patient with erythropoietic protoporphyria. Bechtel MA, et al. **Arch Dermatol** 1981 Feb;117(2):99–101
The effect of bleeding and iron administration on the development of hexachlorobenzene-induced rat porphyria. Blekkenhorst GH, et al. **Int J Biochem** 1980;12(5–6):1013–7
Patterns of porphyrin excretion in porphyria cutanea tarda under venesection treatment. Enríquez de Salamanca R, et al. **Int J Biochem** 1980;12(5–6):861–8
Treatment of the porphyrias: mechanisms of action. Bickers DR. **J Invest Dermatol** 1981 Jul;77(1):107–13
[Treatment of a case of porphyria cutanea tarda by plasmapheresis] Dupré A, et al. **Ann Dermatol Venereol** 1980 Jul;107(7):693–5 **(Fre)**
[Bloodletting in porphyria (letter)] Ippen H. **Dtsch Med Wochenschr** 1980 Jul 11;105(28):982 **(Ger)**
[Combination therapy of porphyria cutanea tarda using chloroquine and bloodletting therapy] Horkay I, et al. **Z Hautkr** 1980 Jun 15;55(12):813–6 (Eng. Abstr.) **(Ger)**
[Repeated venesection in pseudoporphyria cutanea tarda of hemodialysis (author's transl)] Pecchini F, et al. **Ateneo Parmense [Acta Biomed]** 1980;51(5):439–43 (Eng. Abstr.) **(Ita)**

URINE

Urine concentration of 3-ethyl-5-hydroxy-4,5-dimethyl-delta 3-pyrrolin-2-one ('mauve factor') is not causally related to schizophrenia or to acute intermittent porphyria. Gorchein A. **Clin Sci** 1980 Jun;58(6):469–76
The prophyrins of normal human urine, with a comparison of the excretion pattern in porphyria cutanea tarda. Smith SG, et al. **Int J Biochem** 1980;12(5–6):1081–4
Comparison of the porphyrin patterns in patients with porphyria cutanea tarda in Czechoslovakia and Denmark. With TK, et al. **Int J Biochem** 1981;13(6):769–72
Diagnosis of porphyrias by ion-pair high-performance liquid chromatography. Meyer HD, et al. **J Chromatogr** 1980 Oct 31;199:339–43

VETERINARY

Loss of hereditary uterine protoporphyria through chromosomal rearrangement in mutant Rhode Island red hens. Schwartz S, et al. **Int J Biochem** 1980;12(5–6):935–40
A case of bovine congenital porphyria (porphyria erythropoietica). Ichijo S, et al. **Nippon Juigaku Zasshi** 1980 Dec;42(6):725–9
Congenital porphyria in swine. Yamashita C, et al. **Nippon Juigaku Zasshi** 1980 Jun;42(3):353–9

PORPHYRINOGENS

BIOSYNTHESIS

Porphyrin biosynthesis in Euglena gracilis—IV. an endogenous factor controlling the enzymic synthesis of porphyrinogens and its possible role in the treatment of some porphyrias. de Geralnik AA, et al. **Int J Biochem** 1981;13(3):343–53

BLOOD

Synthetic and biosynthetic studies of porphyrins, Part V. Evidence for an alternative pathway in the biosynthesis of haem. Jackson AH, et al. **Int J Biochem** 1980; 12(5–6):775–80

METABOLISM

Synthetic and biosynthetic studies of porphyrins, Part IV. Further studies of the conversion of coporporhyrinogen-III to protoporphyrin-IX: mass spectrometric investigations of the incubation of specifically deuteriated coproporhyringen-III with chicken red cell haemolysates. Jackson AH, et al. **Int J Biochem** 1980;12(5–6):681–8

PORPHYRINS

see related PORPHOBILINOGEN

Iron-porphyrin catalysis of the oxidative dealkylation of para-nitro-anisole and 7-ethoxycoumarin by cumylhydroperoxide: a possible model for the corresponding cytochrome P 450-dependent reactions. Mansuy D, et al. **Biochem Biophys Res Commun** 1980 Sep 16;96(1):433–9
The isomeric biliverdins from ring-cleavage of deuteroporphyrin-IX. Smith KM, et al. **Biochem Biophys Res Commun** 1980 Dec 31;97(4):1370–5
Binding of imidazoles to manganese (III) protoporphyrin in water. Neya S, et al. **Biochemistry** 1981 Apr 28;20(9):2610–4
A (carbonmonoxy)heme complex with a weak proximal bond. Molecular stereochemistry of carbonyl(deuteroporphinato)(tetrahydrofuran)iron(II). Scheidt WR, et al. **Biochemistry** 1981 Jun 9;20(12):3653–7
Binding of protoporphyrin to melanin and oxidation-reduction properties of melanin-protoporphyrin complex. Persad S, et al. **Can J Biochem** 1981 Apr; 59(4):269–72
A highly sensitive colorimetric determination of serum copper using alpha, beta, gamma, delta-tetrakis(4-N-trimethylaminophenyl)porphine. Makino T, et al. **Clin Chim Acta** 1981 Mar 19;111(1):1–8
Porphyrins and porphyrias: ethiopathogenesis, clinics and treatment. (Proceedings of the First Internatinal Argentine Meeting on Porphyrins and Porphyrias held at the University of Buenos Aires, Argentina, 28 October–1 November, 1979). **Int J Biochem** 1980;12(5–6):671–1097
The structure of porphyrins and haems in aqueous solution. Brown SB, et al. **Int J Biochem** 1980;12(5–6):701–7
Role of complement in porphyrin-induced photosensitivity. Lim HW, et al. **J Invest Dermatol** 1981 Jan;76(1):4–9
Binding of meso-tetra (4-N-methylpyridyl) porphine to DNA. Fiel RJ, et al. **Nucleic Acids Res** 1980 Jun 25; 8(12):2835–42
Fluorescence properties of porphyrin-globin from human hemoglobin. Sebban P, et al. **Photochem Photobiol** 1980 Dec;32(6):727–31
Fourier-transformed infrared photoacoustic spectroscopy of biological materials. Rockley MG, et al. **Science** 1980 Nov 21;210(4472):918–20

ADMINISTRATION & DOSAGE

[Metalloporphyrin study in experimental carcinology (author's transl)] Denechaud M, et al. **Bull Cancer (Paris)** 1981;68(1):40–8 (Eng. Abstr.) **(Fre)**

ANALYSIS

Xanthine-coproporphyrin III. Castro-Mendoza HJ. **Adv Exp Med Biol** 1980;122A:251–5
Structural and microspectrofluorometric studies on glial cells from the periventricular and arcuate nuclei of the rat hypothalamus. Goldgefter L, et al. **Cell Tissue Res** 1980; 211(3):503–10
Extraction of pineal and uterine tissue at different pH values: a preliminary report on the occurrence of a few groups of compounds in both tissues. van der Horst CJ, et al. **Cytobios** 1980;29(115–116):191–203
Unusual porphyrins in porphyric bullous fluid. Eales L, et al. **Int J Biochem** 1980;12(5–6):1059–65
A clinical porphyrin unit: four years' experience. Lockwood WH, et al. **Int J Biochem** 1980;12(5–6):1085–8
Destruction of cytochrome P-450 by ethylene. Structure of the resulting prosthetic heme adduct. Ortiz de Montellano PR, et al. **J Biol Chem** 1981 May 10;256(9):4395–9
Electron-nuclear double resonance of horseradish peroxidase compound I. Detection of the porphyrin pi-cation radical. Roberts JE, et al. **J Biol Chem** 1981 Mar 10;256(5):2118–21
Faecal and urinary coproporphyrin isomers in biliary atresia and neonatal hepatitis. Rocchi E, et al. **Ric Clin Lab** 1980 Jul-Sep;10(3):501–9
[Porphyrin fluorescing egg for the hepatologist] Doss M. **Dtsch Med Wochenschr** 1981 Jul 10;106(28):911–. **(Ger)**

BIOSYNTHESIS

The effect of ethanol on heme and porphyrin synthesis. Ostroff JW. **Alcoholism (NY)** 1981 Jan;5(1):125–30 (51 ref.)
Effect of tin on porphyrin biosynthesis. Chiba M, et al. **Arch Toxicol** 1980 Sep;45(3):189–95
Studies of porphyrin synthesis in fibroblasts of patients with congenital erythropoietic porphyria and one patient with homozygous coproporphyria. Grandchamp B, et al. **Biochim Biophys Acta** 1980 May 22;629(3):577–86
Porphyrinogenic action of fire retardants. Koster P, et al. **Bull Environ Contam Toxicol** 1980 Aug;25(2):313–5
Porphyrin biosynthesis in Euglena gracilis—IV. an endogenous factor controlling the enzymic synthesis of porphyrinogens and its possible role in the treatment of some porphyrias. de Geralnik AA, et al. **Int J Biochem** 1981;13(3):343–53
Chemistry of porphyrin biosynthesis: results and applications. Franck B, et al. **Int J Biochem** 1980;12(5–6):671–9
Synthetic and biosynthetic studies of porphyrins, Part IV. Further studies of the conversion of coporporhyrinogen-III to protoporphyrin-IX: mass spectrometric investigations of the incubation of specifically deuteriated coproporhyringen-III with chicken red cell haemolysates. Jackson AH, et al. **Int J Biochem** 1980;12(5–6):681–8
Synthetic and biosynthetic studies of porphyrins, Part V. Evidence for an alternative pathway in the biosynthesis of haem. Jackson AH, et al. **Int J Biochem** 1980; 12(5–6):775–80
Effect of cadmium on porphyrin biosynthesis-I. Kesten EM, et al. **Int J Biochem** 1980;12(5–6):905–8
The regulation of chlorophyll and porphyrin biosynthesis. Neuberger A. **Int J Biochem** 1980;12(5–6):787–9
Porphyrin biosynthesis and enzymatic studies in erythrocytes from normals and porphyric humans. Parera VE, et al. **Int J Biochem** 1980;12(5–6):947–53
Biosynthesis of porphyrin precursors: kinetic studies on mammalian L-alanine: gamma,delta-dioxovaleric acid aminotransferase. Varticovski L, et al. **Int J Biochem** 1980; 12(5–6):739–44
Porphyrin biosynthesis in the soybean callus tissue system-XVIII. Levels of succinyl CoA synthetase, cysthationase, rhodanese, aminolevulinate synthetase and

aminolevulinate dehydratase in clones of different age. Vazquez E, et al. **Int J Biochem** 1980;12(5–6):721–4
Porphyrin biosynthesis in Rhodopseudomonas palustris–II. Evidence on the existence of a factor regulating aminolevulinate synthetase activity. Viale AA, et al. **Int J Biochem** 1980;12(5–6):729–33
Porphyrin biosynthesis in the soybean callus system–XVII. Effect of monovalent and divalent cations on the activity of succinyl CoA synthetase. Wider de Xifra EA, et al. **Int J Biochem** 1980;12(5–6):717–9
N–Alkylprotoporphyrin IX formation in 3,5–dicarbethoxy–1,4–dihydrocollidine–treated rats. Transfer of the alkyl group from the substrate to the porphyrin. Ortiz de Montellano PR, et al. **J Biol Chem** 1981 Jul 10;256(13):6708–13
Growth hormone stimulates drug–induced porphyrin formation in liver cells maintained in a serum–free medium. Sassa S, et al. **J Biol Chem** 1981 Sep 10;256(17):8882–4
Association between the membrane–fluidizing properties and porphyrin–inducing activity of alfaxolone and related steroids. Neilson IR, et al. **Mol Pharmacol** 1980 Jul; 18(1):144–7
Porphyrins in chronic renal failure. Day RS, et al. **Nephron** 1980;26(2):90–5
Porphyrogenic effect of chronic treatment with 2,3,7,8–tetrachlorodibenzo–p–dioxin in female rats. Dose––effect relationship following urinary excretion of porphyrins. Cantoni L, et al. **Toxicol Appl Pharmacol** 1981 Feb;57(2):156–63
[Effect of methylation antagonists on biosynthesis of tetrapyrrole compounds by Propionibacterium shermanii] Bykhovskii VIa, et al. **Prikl Biokhim Mikrobiol** 1980 Nov–Dec;16(6):862–7 (Eng. Abstr.) **(Rus)**

BLOOD

The determination of free erythrocyte porphyrins (FEP) by a semi–automated fluorometric technique. La Brecque JJ. **Acta Cient Venez** 1978;29(6):479–81
Blood lead and zinc protoporphyrin in lead industry workers. Hesley KL, et al. **Am Ind Hyg Assoc J** 1981 Jan;42(1):42–6
Diagnosis of iron deficiency anemia in a rural population of children. Relative usefulness of serum ferritin, red cell protoporphyrin, red cell indices, and transferrin saturation determinations. Hershko C, et al. **Am J Clin Nutr** 1981 Aug;34(8):1600–10
High–pressure liquid chromatography of plasma free acid porphyrins. Longas MO, et al. **Anal Biochem** 1980 May 15;104(2):268–76
Erythrocyte protoporphyrin IX as a diagnostic and therapy evaluating tool in lead poisoning. Zúñiga–Charles MA, et al. **Arch Environ Health** 1981 Jan–Feb;36(1):40–3
Simultaneous quantitation of zinc protoporphyrin and free protoporphyrin in erythrocytes by acetone extraction. Hart D, et al. **Clin Chem** 1981 Feb;27(2):220–2
Erythrocyte protoporphyrin/heme ratio by hematofluorometry [letter] Lamola AA, et al. **Clin Chem** 1980 Apr;26(5):677–8
New method for liquid–chromatographic measurement of erythrocyte protoporphyrin and coproporphyrin. Salmi M, et al. **Clin Chem** 1980 Dec;26(13):1832–5
Measurement of near–normal concentrations of erythrocyte protoporphyrin with the hematofluorometer: influence of plasma on 'front–surface illumination' assay. Schifman RB, et al. **Clin Chem** 1981 Jan;27(1):153–6
The rapid determination of erythrocyte porphyrins using reversed–phase high performance liquid chromatography. Scoble HA, et al. **Clin Chim Acta** 1981 Jul 1;113(3):253–65
A spectrophotometric assay of blood porphyrins in Punjabis––a pilot study. Chopra A, et al. **Indian J Med Res** 1980 Jun;71:970–4
The relationship between zinc protoporphyrin (ZPP) and 'free' erythrocyte protoporphyrin (FEP) in lead–exposed individuals. Karačić V, et al. **Int Arch Occup Environ Health** 1980;47(2):165–77
The Allen correction for porphyrin estimation in spectrofluorimetry. Poulos V, et al. **Int J Biochem** 1980; 12(5–6):1051–2
A rapid method for estimating red blood cell porphyrin. Poulos V, et al. **Int J Biochem** 1980;12(5–6):1049–50
Quantitative assay of erythrocyte 'free' and zinc–protoporphyrin: clinical and genetic studies. Schwartz S, et al. **Int J Biochem** 1980;12(5–6):1053–7
Complement–derived chemotactic activity is generated in human serum containing uroporphyrin after irradiation with 405 nm light. Lim HW, et al. **J Clin Invest** 1981 Apr; 67(4):1072–7
Blood protoporphyrin IX as a biological indicator of increased absorption of lead. Molina–Ballesteros G, et al. **Toxicol Lett** 1981 Jan;7(3):195–200
The value of zinc protoporphyrin in equine lead poisoning: a case report. Kowalczyk DF, et al. **Vet Hum Toxicol** 1981 Feb;23(1):12–5
[Determination of zinc protoporphyrins in pregnancy and the puerperium] Ferrari S, et al. **Minerva Ginecol** 1981 Apr; 33(4):313–4 (Eng. Abstr.) **(Ita)**

CHEMICAL SYNTHESIS

Syntheses of isotopically labelled derivatives of protoporphyrin–IX for spectroscopic and biosynthetic studies. Smith KM, et al. **Int J Biochem** 1980; 12(5–6):689–94
N–Methylprotoporphyrin IX: chemical synthesis and identification as the green pigment produced by 3,5–diethoxycarbonyl–1,4–dihydrocollidine treatment. Ortiz de Montellano PR, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1490–4

CLASSIFICATION

IUPAC–IUB joint commission on biochemical nomenclature (JCBN). Nomenclature of tetrapyrroles. Recommendations 1978. Merritt JE, et al. **Eur J Biochem** 1980;108(1):1–30

ISOLATION & PURIFICATION

High–performance liquid chromatography of porphyrin esters. Identification of mixed esters generated in sample preparation. Straka JG, et al. **Anal Biochem** 1981 Mar 1; 111(2):269–75
Identification of porphyrin present in apo–cytochrome C oxidase of copper–deficient yeast cells. Keyhani E, et al. **Biochim Biophys Acta** 1980 Dec 1;633(2):211–27

METABOLISM

Genetic, metabolic, and biochemical aspects of the porphyrias. Sassa S, et al. **Adv Hum Genet** 1981;11:121–231 (322 ref.)
Follow–up studies of porphyrin excretion in porphyria cutanea tarda treated with p–aminobenzoic acid. de Salamanca RE, et al. **Ann Clin Res** 1980 Dec;12(6):279–81
Transfusion therapy in a patient with erythropoietic protoporphyria. Bechtel MA, et al. **Arch Dermatol** 1981 Feb;117(2):99–101
Identification of cobalt protoporphyrin IX formation in vivo following cobalt administration to rats. Watkins S, et al. **Biochem Pharmacol** 1980 Sep 1;29(17):2319–23
Resonance Raman spectra of manganese myoglobin and its azide complex. Assignment of a new charge–transfer band to azide (pi) to porphyrin (pi) transition. Yu NT, et al. **Biochemistry** 1980 Sep 30;19(20):4647–53
The interaction of human serum albumin and hemopexin with porphyrins. Morgan WT, et al. **Biochim Biophys Acta** 1980 Jul 24;624(1):271–85
Electron transport across glycerol monooleate bilayer lipid membranes facilitated by magnesium etiochlorin. Feldberg SW, et al. **Biophys J** 1981 Apr;34(1):149–63
Synthetic porphyrins as tumour–localizing agents. Zanelli GD, et al. **Br J Radiol** 1981 May;54(641):403–7
A comparison of the porphyrin–inducing activity of barbiturates and benzodiazepines in chick embryo liver cells. Zimmer S, et al. **Can J Physiol Pharmacol** 1980 Aug; 58(8):991–5
Substrate–dependent irreversible inactivation of cytochrome P–450: conversion of its haem moiety into modified porphyrins. De Matteis F, et al. **Ciba Found Symp** 1980; (76):119–39
Erythropoietic protoporphyria. Parker JM. **Cutis** 1980 Sep; 26(3):247–50
Protoporphyrin–induced photohemolysis: differences related to the subcellular distribution of protoporphyrin in erythropoietic protoporphyria and when added to normal red cells. Brun A, et al. **Int J Biochem** 1981;13(2):225–8
Drug induced acute porphyric episodes in rats. Day RS, et al. **Int J Biochem** 1980;12(5–6):1007–11
Patterns of porphyrin excretion in porphyria cutanea tarda under venesection treatment. Enríquez de Salamanca R, et al. **Int J Biochem** 1980;12(5–6):861–8
Altered coproporhyrin–isomer excretion in patients with the Dubin–Johnson syndrome. Koskelo P, et al. **Int J Biochem** 1980;12(5–6):975–8
Conversion products of hexachlorobenzene and their role in the disturbance of the porphyrin pathway in rats. Koss G, et al. **Int J Biochem** 1980;12(5–6):1003–6
Evidence for the catalytic activity of endogenous iron in the lipid peroxidative destruction of heme by allylisopropylacetamide in the rat liver. Maines MD. **Int J Biochem** 1980;12(5–6):781–5
Seasonal variation in delta–aminolaevulinate synthase and porphyrin content in the Harderian gland of the female golden hamster (Mesocricetus auratus). Moore MR, et al. **Int J Biochem** 1980;12(3):501–4
Iron, porphyrin and heme transport in mitochondria. Romslo I, et al. **Int J Biochem** 1980;12(5–6):709–12
Epidemiological study on the relationships between lead exposure and porphyrin metabolism. Seubert A, et al. **Int J Biochem** 1980;12(5–6):891–5
The effect of fasting and protein calorie malnutrition on the liver porphyrins. Smith SG, et al. **Int J Biochem** 1980; 12(5–6):979–80
Effect of chlorophenols on porphyrin metabolism in rats and chick embryo. Wainstok de Calmanovici R, et al. **Int J Biochem** 1980;12(5–6):1039–44
Thirty years with biochemistry and clinic of porphyrias in man and animals. With TK. **Int J Biochem** 1980; 12(5–6):985–8
Accumulation of protoporphyrin IX from delta–aminolevulinic acid in bovine skin fibroblasts with hereditary erythropoietic protoporphyria. A gene–dosage effect. Sassa S, et al. **J Exp Med** 1981 May 1; 153(5):1094–101
Destruction of cytochrome P–450 by olefins: N–alkylation of prosthetic heme. Ortiz de Montellano PR, et al. **Mol Pharmacol** 1980 Nov;18(3):602–5
Hepatic porphyrins in variegate porphyria [letter] Day RS, et al. **N Engl J Med** 1980 Dec 4;303(23):1368–9
Effects of iron–loading and ethanol treatment on rat porphyrin metabolism. Kószó F, et al. **Pharmacol Biochem Behav** 1980 Sep;13(3):325–9
Drugs affecting porphyrin and lipid metabolism in rats: effects exerted by allylisopropylacetamide and related molecules. Pinelli A, et al. **Pharmacology** 1981;22(6):337–42
Biotransformation and porphyringogenic action of hexachlorobenzene and its metabolites in a primary liver cell culture. Debets FM, et al. **Toxicology** 1981;19(3):185–96
[Atypically localized persistent skin changes in erythropoietic protoporphyria (EPP)––histologic and electron microscopic findings (author's transl)] Meigel W, et al. **Z Hautkr** 1981 Apr 15;56(8):489–97 (Eng. Abstr.) **(Ger)**
[Bronze baby syndrome (unusual complication of phototherapy)] Márk Z, et al. **Orv Hetil** 1981 Mar 15; 122(11):641–3 **(Hun)**

PHARMACODYNAMICS

Cross–linking of hemoglobin and inhibition of globin synthesis in reticulocytes induced by photoactivated protoporphyrin. Malik Z, et al. **Acta Haematol (Basel)** 1980; 64(6):304–9
Photochemical damage to skin fibroblasts caused by protoporphyrin and violet light. Schothorst AA, et al. **Arch Dermatol Res** 1980;268(1):31–42
Inhibition of DNA dependent RNA synthesis by porphyrin photosensitizers. Musser DA, et al. **Biochem Biophys Res Commun** 1980 Dec 16;97(3):918–25
Inhibition of hepatic ferrochelatase by the four isomers of N–methylprotoporphyrin IX. Ortiz de Montellano PR, et al. **Biochem Biophys Res Commun** 1980 Dec 31; 97(4):1436–42
Inhibition of protohaem ferro–lyase by N–substituted porphyrins. Structural requirements for the inhibitory effect. De Matteis F, et al. **Biochem J** 1980 Sep 1; 189(3):645–8
Temperature dependence of photodynamic red cell membrane damage. Dubbelman TM, et al. **Biochim Biophys Acta** 1980 Sep 2;601(1):220–7
Zinc . protoporphyrin is a selective inhibitor of heme oxygenase activity in the neonatal rat. Maines MD. **Biochim Biophys Acta** 1981 Mar 18;673(3):339–50
Porphyrin–sensitized photodynamic damage of isolated rat liver mitochondria. Sandberg S, et al. **Biochim Biophys Acta** 1980 Dec 3;593(2):187–95
Induction of DNA damage by porphyrin photosensitizers. Fiel RJ, et al. **Cancer Res** 1981 Sep;41(9 Pt 1):3543–5
Porphyrin–induced photodamage at the cellular and the subcellular level as related to the solubility of the porphyrin. Sandberg S, et al. **Clin Chim Acta** 1981 Jan 22; 109(2):193–201
Destruction of erythroleukemia. myelocytic leukemia and Burkitt lymphoma cells by photoactivated protoporphyrin. Malik Z, et al. **Int J Cancer** 1980 Oct 15;26(4):495–500
Protoporphyrin–induced cholestasis in the isolated in situ perfused rat liver. Avner DL, et al. **J Clin Invest** 1981 Feb;67(2):385–94
The effect of protoporphyrin on histamine secretion by rat peritoneal mast cells: a dual phototoxic reaction. Ortner MJ, et al. **Photochem Photobiol** 1981 Mar;33(3):355–60
Effect of zinc on protoporphyrin induced photohaemolysis. Sandberg S, et al. **Scand J Clin Lab Invest** 1980 Apr; 40(2):185–9

RADIATION EFFECTS

The potential span of photoredox reactions of porphyrins and chlorophyll at the lipid bilayer–water interface. Ilani A, et al. **Biophys J** 1981 Jul;35(1):79–92

TOXICITY

Protoporphyrin–induced photodamage to mitochondria and lysosomes from rat liver. Sandberg S. **Clin Chim Acta** 1981 Mar 19;111(1):55–60
Phototoxicity of the chemotherapeutic agents hematoporphyrin D, meso–tetra(p–sulfophenyl)porphine and zinc–tetra(p–sulfophenyl)porphine. Grenan M, et al. **Res Commun Chem Pathol Pharmacol** 1980 Nov; 30(2):317–27

URINE

Liquid–chromatographic analysis for urinary porphyrins. Ford RE, et al. **Clin Chem** 1981 Mar;27(3):397–401
The porphyrin pattern of normal urine. Borup P, et al. **Int J Biochem** 1980;12(5–6):1075–9
Studied on the excretion pattern of porphyrins and its use as a tool for diagnosing both symptomatic and asymptomatic cases of porphyria cutanea tarda. Magnin PH, et al. **Int J Biochem** 1980;12(5–6):873–7
The prophyrins of normal human urine, with a comparison of the excretion pattern in porphyria cutanea tarda. Smith SG, et al. **Int J Biochem** 1980;12(5–6):1081–4
Comparison of the porphyrin patterns in patients with porphyria cutanea tarda in Czechoslovakia and Denmark. With TK, et al. **Int J Biochem** 1981;13(6):769–72
[Studies on patients with polychlorinated biphenyls poisoning. Determination of urinary coproporphyrin, uroporphyrin, delta–aminolevulinic acid, and porphobilinogen (author's transl)] Lu FJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1980 Nov;79(11):990–5 (Eng.

Abstr.) (Chi)
[Severe catatonia, schizophrenia and hereditary coproporphyria. A case report (author's transl)] Offenstadt G, et al. **Sem Hop Paris** 1980 Nov 8–15;56(41–42):1727–30 (Eng. Abstr.) (Fre)
[The effect of some hexachlorobenzene catabolites on the porphyrin metabolism of rats (author's transl)] Siklósi C, et al. **Derm Beruf Umwelt** 1981;29(2):40–2 (Eng. Abstr.) (Ger)
[Red Ring Test for the recognition of disturbances of porphyrin metabolism] Brugsch J, et al. **MMW** 1981 Jan 9;123(2):57–8 (Ger)
[Evaluation of methods of determining delta-aminolevulinic acid dehydratase activity in erythrocytes and coproporphyrin in the urine] Pavlovskaia NA, et al. **Lab Delo** 1981;(2):86–9 (Eng. Abstr.) (Rus)

PORPOISES see **DOLPHINS**

PORTACAVAL SHUNT, SURGICAL

Morphometry of astrocyte and oligodendrocyte ultrastructure after portocaval anastomosis in the rat. Laursen H, et al. **Acta Neuropathol (Berl)** 1980;51(1):65–70
Surgery for bleeding esophageal varices. Johnson G Jr. **Adv Surg** 1980;14:85–105 (72 ref.)
Blood–brain transport of tryptophan and phenylalanine: effect of portacaval shunt in dogs. Huet PM, et al. **Am J Physiol** 1981 Aug;241(2):G163–9
Bleeding oesophageal varices: the management of shunt rejects. Johnston GW. **Ann R Coll Surg Engl** 1981 Jan; 63(1):3–8
A portal factor influences serum calcium homeostasis. Lee CH, et al. **Ann Surg** 1980;192(4):459–64
Long-term results of emergency portacaval shunt for bleeding esophageal varices in unselected patients with alcoholic cirrhosis. Orloff MJ, et al. **Ann Surg** 1980 Sep; 192(3):325–40
Exaggerated consumption of saccharide solutions following experimental portacaval anastomosis in rats. Martin JR, et al. **Behav Neural Biol** 1981 May;32(1):54–9
Impaired monoamine oxidase activity in dogs with portacaval shunt. Faraj BA, et al. **Biochem Pharmacol** 1980 Oct 15; 29(20):2831–8
Propoxyphene and norpropoxyphene plasma concentrations after oral propoxyphene in cirrhotic patients with and without surgically constructed portacaval shunt. Giacomini KM, et al. **Clin Pharmacol Ther** 1980 Sep;28(3):417–24
The turnover of plasma glucose and free fatty acids in vivo after portacaval anastomosis and chronic underfeeding in the rat. Sarna GS, et al. **Clin Sci** 1981 Jan;60(1):87–93
Sulfated bile acids in serum, bile, and urine of cirrhotic patients before and after portacaval anastomosis. Capocaccia L, et al. **Dig Dis Sci** 1981 Jun;26(6):513–7
Effect of portacaval anastomosis on hypersplenism. Mutchnick MG, et al. **Dig Dis Sci** 1980 Dec;25(12):929–38
Liver arterialization improves hepatocytes ultrastructure in rats with portacaval shunts. Saric J, et al. **Dig Dis Sci** 1981 Mar;26(3):225–31
Hepatic ornithine aminotransferase in the rat after portacaval shunt. Colombo JP, et al. **Enzyme** 1980;25(5):297–303
Changes in brain oxidative metabolism in rats with portocaval shunt. Nieto C, et al. **Experientia** 1980 Dec 15;36(12):1403–4
Results of a 12-year randomized trial of portacaval shunt in patients with alcoholic liver disease and bleeding varices. Reynolds TB, et al. **Gastroenterology** 1981 May;80(5 pt 1):1005–11
Results of portal decompression in patients with primary biliary cirrhosis. Spinsi R, et al. **Gut** 1981 May;22(5):345–9
Arterialization of the liver after portacaval shunt in the rabbit. Vassanelli P, et al. **Int Surg** 1980 Mar–Apr;65(2):151–5
Pituitary and thyroid function before and after portacaval anastomosis in patients with normal livers. Kalk WJ, et al. **J Clin Endocrinol Metab** 1980 Dec;51(6):1450–3
Portacaval shunt and hyperglobulinaemia in the rat–the effect of 80% small bowel resection. Engelbrecht GH, et al. **J Clin Lab Immunol** 1981 May;5(3):171–4
Effect of portacaval anastomosis and chronic underfeeding on the hypothalamic–pituitary–gonadal axis in the rat. Milligan SR, et al. **J Endocrinol** 1981 Jan;88(1):39–47
The effect of hepatic interposition on ovary–pituitary interaction. Lee S, et al. **J Microsurg** 1980 May–Jun; 1(6):440–6
The effect of portacaval shunt on hyperlipidemia in rats. Numata M, et al. **J Microsurg** 1980 Jan–Feb;1(4):300–4
Uptake of amino acids by brain microvessels isolated from rats after portacaval anastomosis. Cardelli–Cangiano P, et al. **J Neurochem** 1981 Feb;36(2):627–32
Hippocampal glutamate release after porta cava anastomosis: reduced sensitivity to ammonia inhibition. Hamberger A, et al. **J Neurosci Res** 1980;5(4):313–22
Changes in bone and serum minerals after parathyroidectomy and their prevention by portacaval shunt. Al-Jurf AS, et al. **Metabolism** 1981 Jun;30(6):544–8
Portasystemic shunting for bleeding esophageal varices: a three-year experience. Howard TC, et al. **Nebr Med J** 1980 Oct;65(10):271–4
Clinical and biochemical findings before and after portacaval shunt in a girl with type Ib glycogen storage disease. Corbeel L, et al. **Pediatr Res** 1981 Jan;15(1):58–61
Brain 5-hydroxytryptamine metabolism after portocaval anastomosis: relationship with ambulation. Tricklebank MD, et al. **Pharmacol Biochem Behav** 1981 Feb; 14(2):259–62
Maze patrolling, open-field behavior and runway activity following experimental portacaval anastomosis in rats. Martin JR, et al. **Physiol Behav** 1980 Nov;25(5):713–8
Effect of caval shunts on lipid metabolism. Beher WT, et al. **Prog Lipid Res** 1979;18(4):165–77 (40 ref.)
Renal and intrarenal blood flow in patients with cirrhosis before and after portal–systemic shunt. Merkel C, et al. **Scand J Gastroenterol** 1980;15(4):389–94
Shunts for variceal hemorrhage: why? when? what? Gusberg RJ. **Surg Clin North Am** 1980 Oct;60(5):1265–72
Portacaval shunt for familial heterozygous hypercholesterolemia. Madras PN. **Surg Gynecol Obstet** 1981 Feb;152(2):187–90
Prevention of hepatic encephalopathy by clofibrate in the rat with portacaval anastomosis. Cortesse A, et al. **Surgery** 1980 Nov;88(5):654–7
Portal hypertension and an occluded inferior vena cava: a problem in management. Harris JP, et al. **Surgery** 1981 Sep; 90(3):493–6
The effect of portocaval shunt on bile flow and maximal biliary excretion of bromsulfophthalein sodium (BSP^2) in rats with thioacetamide induced liver cirrhosis. Bodnár A, et al. **Z Exp Chir** 1981 Feb;14(1):35–9
[Postoperative radiological and hemodynamic investigations of portal shunt operations (author's transl)] Pinet F, et al. **Ann Radiol (Paris)** 1980 Sep–Oct;23(6):501–5 (Eng. Abstr.) (Fre)
[Portacaval anastomosis for intractable cirrhotic ascites. A study in 18 patients (author's transl)] Huguet C, et al. **Gastroenterol Clin Biol** 1981 Mar;5(3):324–31 (Eng. Abstr.) (Fre)
[Critical analysis of comparative therapeutic trials of elective portal shunts] Lacaine F, et al. **Gastroenterol Clin Biol** 1980 Nov;4(11):804–11 (Fre)
[Minimum blood loss latero-lateral portacaval anastomosis in hemorrhagic cirrhosis. Importance of preserving the portal flow under manometric controls] Marion P, et al. **Med Chir Dig** 1981;10(3):245–51 (Fre)
[Ultrasonic exploration of porto–caval shunts (author's transl)] Pietri H, et al. **Nouv Presse Med** 1981 Feb 7; 10(5):299–302 (Eng. Abstr.) (Fre)
[Experimental liver arterialization following portacaval shunt – rehabilitation] Hirner A, et al. **Chirurg** 1981 Jun; 52(6):389–97 (Eng. Abstr.) (Ger)
[Shunt therapy in portal hypertension?] Eckardt VF. **Dtsch Med Wochenschr** 1981 Mar 27;106(13):387–9 (Ger)
[The emergency portacaval shunt in the treatment of persistent hemorrhage from gastroesophageal varices (author's transl)] Steegmüller KW, et al. **Langenbecks Arch Chir** 1980;353(2):81–8 (Eng. Abstr.) (Ger)
[Problems of hepatoportal encephalopathy after portacaval anastomosis in the rat (author's transl)] Rasenack U, et al. **Z Gastroenterol** 1980 Sep;18(9):483–93 (Eng. Abstr.) (Ger)
[The influence of parathormone on blood flow of the hepatic artery after portocaval end to side shunt (author's transl)] Sponer D, et al. **Z Gastroenterol** 1981 Apr;19(4):168–72 (Eng. Abstr.) (Ger)
[Portacaval anastomosis with a bypass of lyophilized dura mater. Experimental research in young dogs] Pannella A, et al. **Arch Sci Med (Torino)** 1981 Jan–Mar;138(1):53–62 (Eng. Abstr.) (Ita)
[Clinical contribution of a case of a pregnant woman with portocaval shunt and previous splenectomy] Barese G, et al. **Minerva Ginecol** 1980 Nov;32(11):971–4 (Eng. Abstr.) (Ita)
[Morphological changes in uterus and ovaries after portacaval anastomosis and liver arterialization. An experimental study (author's transl)] Dalla Palma P, et al. **Pathologica** 1980 May–Jun;72(1019):397–408 (Eng. Abstr.) (Ita)
[Results of creating portacaval anastomoses in children with extrahepatic blockade of the portal circulation] Leont'ev AF, et al. **Khirurgiia (Mosk)** 1980 Sep;(9):79–83 (Eng. Abstr.) (Rus)
[Norepinephrine depletion in the central nervous system of rats with portacaval shunts] Arias J, et al. **Rev Clin Esp** 1980 Oct 31;159(2):101–2 (Eng. Abstr.) (Spa)
[Changes in post-experimental portacaval shunt muscular and hepatic glycogen] del Carmen Nieto M, et al. **Rev Esp Enferm Apar Dig** 1981 Apr;59(4):435–40 (Eng. Abstr.) (Spa)

ADVERSE EFFECTS

Prospective study of portasystemic encephalopathy after emergency portacaval shunt for bleeding varices. Bell RH Jr, et al. **Am J Surg** 1981 Jul;142(1):144–50
Chronic biliary drainage corrects liver atrophy induced by portacaval shunt in the rat. Bioulac P, et al. **Gastroenterology** 1981 May;80(5 pt 1):1023–30
The mitochondrial content of endothelial cells and the basement membrane thickness of rat brain capillaries after portocaval anastomosis. Laursen H. **Neuropathol Appl Neurobiol** 1980 Sep–Oct;6(5):375–86
[Porto-caval encephalopathy (author's transl)] Delcourt A. **Rev Med Brux** 1980 Apr;1(4):241–5 (Eng. Abstr.) (Fre)
[Vascular and histological changes in rat liver after porta-systemic shunt] De Franco S, et al. **Ateneo Parmense [Acta Biomed]** 1979;50(1):97–105 (Eng. Abstr.) (Ita)
[Glucose tolerance and insulinemia in patients with hepatic cirrhosis and portal hypertension treated by portacaval anastomosis] Postiglione A, et al. **Boll Soc Ital Biol Sper** 1979 Feb 28;55(4):331–7 (Eng. Abstr.) (Ita)
[Testicular atrophy and gonadotropin activity in rats with portacaval anastomosis] Di Marcotullio A, et al. **Minerva Chir** 1980 Oct 15;35(19):1449–54 (Eng. Abstr.) (Ita)

METHODS

Portal pseudoperfusion: an angiographic illusion [letter] Harmon JW, et al. **Ann Surg** 1981 Jan;193(1):117–8
The arterialization of the portal stump following portacaval end-to-side shunt. Hirner A, et al. **Hepatogastroenterology** 1981 Apr;28(2):73–6
Technical dilemmas in portacaval shunt operations as a consequence of replaced right hepatic artery. Eckhauser FE, et al. **Surg Gynecol Obstet** 1980 Oct;151(4):533–7
[Evaluation of limited site-to-side portacaval shunt in treatment of portal hypertension (author's transl)] Sun YQ. **Chung Hua Wai Ko Tsa Chih** 1981 Apr;19(4):195–8 (Eng. Abstr.) (Chi)
[Transfemoral portography (author's transl)] Treugut H. **ROEFO** 1980 Jul;133(1):63–7 (Eng. Abstr.) (Ger)
[(The behaviour of dacron grafts in porta–caval interposition–shunts)] Kohaus H, et al. **Z Gastroenterol** 1980 Mar;18(3):161–9 (Eng. Abstr.) (Ger)
[Arterial revascularization of the liver after portacaval shunt in the rabbit] Merigliano S, et al. **Minerva Chir** 1980 Aug 15–31;35(15–16):1091–6 (Eng. Abstr.) (Ita)
[Effect of gastrosplenic caval shunt on glucose tolerance in drugs (author's transl)] Ishii K. **Nippon Geka Hokan** 1980 May 1;49(3):275–92 (Eng. Abstr.) (Jpn)

PORTAL SYSTEM

see related

LIVER CIRCULATION

Recurrent purulent triaditis in a patient with congenital x-linked agammaglobulinemia. Wray BB, et al. **Am J Gastroenterol** 1981 Feb;75(2):140–3
Portal levels and hepatic clearance of 5-fluorouracil after intraperitoneal administration in humans. Speyer JL, et al. **Cancer Res** 1981 May;41(5):1916–22
Liver ultrastructural changes following portal circulation disturbances. Cotutiu C, et al. **Morphol Embryol (Bucur)** 1981 Jan–Mar;27(1):73–6
Intraportal embolization of fragments during intrasplenic pancreatic autotransplantation in dogs. du Toit DF, et al. **Transplantation** 1980 Nov;30(5):389–91
[Obliteration of esophageal varices by percutaneous puncture of the left portal branch under 'real time' ultrasonography (author's transl)] Kunstlinger F, et al. **J Radiol** 1980 Oct; 61(10):581–3 (Eng. Abstr.) (Fre)
[Transparietohepatic puncture of the portal system using echographic location] Serres JJ, et al. **Nouv Presse Med** 1980 Sep 27;9(35):2569–71 (Fre)
[Blocked suprahepatic pressure and the portohepatic gradient in evaluation of the portal circulation (author's transl)] Cortinovis A, et al. **Chir Ital** 1980 Oct;32(5):964–85 (19 ref.) (Eng. Abstr.) (Ita)
[Technical problems in the emergency transhepatic obliteration of esophagogastric varices] Passariello R, et al. **Radiol Med (Torino)** 1980 Jun;66(6):455–9 (Ita)

ANATOMY & HISTOLOGY

[Echographic exploration of the portal system. Echo-anatomy and symptomatology (author's transl)] Duvauferrier R, et al. **J Radiol** 1980 Oct;61(10):559–73 (Eng. Abstr.) (Fre)
[The portal venous bed] De Luca B, et al. **Chir Ital** 1980 Dec;32(6):1696–709 (Eng. Abstr.) (Ita)

DRUG EFFECTS

Periportal sinusoidal dilatation, inflammatory bowel disease, and the contraceptive pill. Camilleri M, et al. **Gastroenterology** 1981 Apr;80(4):810–5
[Vasoactive action of glucagon on the portal system. 1. Study on the mesenteric vascular system of the dog] de Miguel E, et al. **Rev Esp Enferm Apar Dig** 1981 Apr;59(4):441–6 (Eng. Abstr.) (Spa)

EMBRYOLOGY

Origin of the portal circulation in the chick mesonephros. Friebová-Zemanová Z. **Folia Morphol (Praha)** 1980; 28(4):322–5U
On the presence of a ductus venosus in the fetal pig in late gestation. Barnes RJ, et al. **J Dev Physiol** 1979 Apr; 1(2):105–10

PARASITOLOGY

Metabolic changes associated with the migration of the schistosomulum of Schistosoma mansoni in the mammal host. Lawson JR, et al. **Parasitology** 1980 Oct;81(2):325–36

PATHOLOGY

Hepatoportal sclerosis in childhood: a mimic of extrahepatic

portal vein obstruction. Carson JA, et al. **J Pediatr Surg** 1981 Jun;16(3):291–6

[Clinical and etiopathogenetic significance of the histological findings of portal fibrosis] Sansonno DE, et al. **Minerva Dietol Gastroenterol** 1981 Jan–Mar;27(1):99–106 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Measurement of portal–systemic shunting in the rat by using gamma–labeled microspheres. Chojkier M, et al. **Am J Physiol** 1981 May;240(5):G371–5

Renal venous portal contribution to PAH and uric acid clearance in the chicken. Shideman JR, et al. **Am J Physiol** 1981 Jan;240(1):F46–53

Noncirrhotic portal vein thrombosis. Physiology before and after shunts. Warren WD, et al. **Ann Surg** 1980 Sep; 192(3):341–9

Assessment of portal hemodynamics [letter] Viallet A, et al. **Gastroenterology** 1980 Sep;79(3):603–5

Radiocolloid estimation of hepatic portal perfusion. Rikkers LF, et al. **J Surg Res** 1980 Oct;29(4):293–301

[Evaluation of portal circulation by 201Tl–chloride per–rectal scintigraphy (author's transl)] Tonami N, et al. **Kaku Igaku** 1981 Mar;18(2):205–9 (Eng. Abstr.) **(Jpn)**

[Character of liver mechanoreceptor spike activity after stopping blood flow through the hepatic veins] Tyryshkina EM. **Biull Eksp Biol Med** 1981;91(1):11–3 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Role of porta systemic shunt and hepatocellular damage in the genesis of hepatic neuropathy. Chopra JS, et al. **Clin Neurol Neurosurg** 1980;82(1):37–44

[Portal blood flow inversion from extrinsic hepatic compression. A report on two cases (author's transl)] Menu Y, et al. **Ann Radiol (Paris)** 1981 Mar;24(3):213–6 (Eng. Abstr.) **(Fre)**

[Etiology of extrahepatic blockade of the portal circulation] Shelkovskiĭ VI, et al. **Vestn Khir** 1981;126(5):123–7 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

[Radiation exposure of the physician and patient during hepatography: 1. during transhepatic cholangiography and 2. during transhepatic portography as well as during embolization of the Vena coronaria ventriculi] Olbert F, et al. **Strahlenschutz Forsch Prax** 1980;20:65–73 **(Ger)**

[Angiographic control of the results of portasystemic shunts in the adult] Corinaldesi A, et al. **Radiol Med (Torino)** 1980 Jan–Feb;66(1–2):51–3 **(Ita)**

[Angiography in pre– and post–operative diagnosis of paediatric portal hypertension (author's transl)] Roversi R, et al. **Radiol Med (Torino)** 1980 Apr;66(4):227–38 (Eng. Abstr.) **(Ita)**

[The portal system and the hepatic, splenic and superior mesenteric arteries in hepatosplenic schistosomiasis. Angiographic study] Mies S, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1980 Jun;35(3):121–31 (62 ref.) (Eng. Abstr.) **(Por)**

RADIONUCLIDE IMAGING

[Gamma–scintigraphic study of the portal blood flow with the rectal administration of a 133Xe solution] Vorontsov IuP, et al. **Med Radiol (Mosk)** 1981 Feb;26(2):10–5 (Eng. Abstr.) **(Rus)**

SURGERY

[Results of creating portacaval anastomoses in children with extrahepatic blockade of the portal circulation] Leont'ev AF, et al. **Khirurgiia (Mosk)** 1980 Sep;(9):79–83 (Eng. Abstr.) **(Rus)**

PORTAL VEIN

Porto–biliary fistula and portal hypertension due to gallstones. A case report. Osborne DR. **Acta Chir Scand** 1980;146(5):363–5

Cannulation of the umbilical vein in adult man. A review of surgical techniques, possible complications and clinical applications. Ewerth S, et al. **Acta Chir Scand [Suppl]** 1980; Suppl 500:75–8 (22 ref.)

Decreased release of somatostatin into the portal vein following electrical vagal stimulation in the cat. Uvnäs–Wallensten K, et al. **Acta Physiol Scand** 1980 Aug; 109(4):393–8

Computed tomography in venoocclusive liver disorders [letter] Parienty R. **AJR** 1981 Apr;136(4):842–4

Interruption of gastroesophageal varices: steel coil technique. Witt WS, et al. **AJR** 1980 Oct;135(4):829–33

Pattern of immunoreactive glucagon in portal, arterial and peripheral plasma before and after removal of glucagonoma. Villar HV, et al. **Am J Surg** 1981 Jan; 141(1):148–52

Arterio–venous fistula following partial gastrectomy. Bugge–Asperheim B, et al. **Ann Chir Gynaecol** 1980; 69(3):119–21

Is hepatic portal venous gas an indication for exploratory laparotomy? Traverso LW. **Arch Surg** 1981 Jul; 116(7):936–8

Ultrasonographic diagnosis of portal cavernoma in children: a study of twelve cases. Sassoon C, et al. **Br J Radiol** 1980 Nov;53(635):1047–51

Treatment of insulinomas [letter] Le Quesne LP, et al. **Br J Surg** 1981 Jan;68(1):66–7

Idiopathic pulmonary hypertension associated with nodular pulmonary infiltrates and portal venous thrombosis. Bower JS, et al. **Chest** 1980 Jul;78(1):111–3

Scintigraphic features of cavernous transformation of the portal vein. Weissmann HS, et al. **Clin Nucl Med** 1981 May; 6(5):199–201

Insulin and glucagon breakthrough of somatostatin suppression: importance of portal vein hormone measurements. Polonsky K, et al. **Diabetes** 1981 Aug; 30(8):664–9

Free somatostatin in the circulation: amounts and molecular sizes of somatostatin–like immunoreactivity in portal, aortic, and vena caval plasma of fasting and meal–stimulated dogs. Schusdziarra V, et al. **Endocrinology** 1980 Nov;107(5):1572–6

The arterialization of the portal stump following portacaval end–to–side shunt. Hirner A, et al. **Hepatogastroenterology** 1981 Apr;28(2):73–6

Dynamic computed tomography demonstration of hepatic arteriovenous fistula. Axel L, et al. **J Comput Assist Tomogr** 1981 Feb;5(1):95–8

Propranolol to lower portal venous pressure [letter] Fleishman SJ. **Lancet** 1981 Feb 14;1(8216):382–3

Comparison of the metabolic responses to portal and peripheral infusions of insulin in diabetic dogs. Stevenson RW, et al. **Metabolism** 1981 Aug;30(8):745–52

The role of pancreatic venous sampling in the localization of occult insulinomas. Doppman JL, et al. **Radiology** 1981 Mar;138(3):557–62

Calcified portal vein thromboemboli in infants: radiography and ultrasonography. Friedman AP, et al. **Radiology** 1981 Aug;140(2):381–2

Embolization in the treatment of bleeding gastroesophageal varices. Keller FS, et al. **Semin Roentgenol** 1981 Apr; 16(2):103–15

Thrombosis of the portal vein following splenectomy for myeloid metaplasia. Broe PJ, et al. **Surg Gynecol Obstet** 1981 Apr;152(4):488–92

Effect of colectomy upon ammonemia and glutaminemia in rats with stricture of the portal vein. Schlienger JL, et al. **Surg Gynecol Obstet** 1981 Feb;152(2):145–8

Ruptured hepatic artery aneurysm with hepatic artery–to–portal vein fistula. Preservation of portal flow by autogenous vein reconstruction. McKinnon WM, et al. **Surgery** 1981 May;89(5):626–30

Transplantation of cryopreserved pancreatic islets into the portal vein. Nakagawara G, et al. **Transplant Proc** 1981 Jun;13(2):1503–7

[Arteriovenous aneurysm in the area of the hepatic artery and the portal vein] Vegt PD, et al. **Ned Tijdschr Geneeskd** 1980 Sep 6;124(36):1500–3 (Eng. Abstr.) **(Dut)**

[Portal vein gas embolisation in a case of ulcerative colitis. Total colectomy (author's transl)] Mast A, et al. **Acta Gastroenterol Belg** 1980 Nov–Dec;43(11–12):488–92 (Eng. Abstr.) **(Fre)**

[Portal cavernoma in cirrhotic patients. Report of 6 cases (author's transl)] Barbare JC, et al. **Gastroenterol Clin Biol** 1981 Jun–Jul;5(6–7):616–9 (Eng. Abstr.) **(Fre)**

[Right hydrothorax associated with portal cavernoma in the absence of hepatic cirrhosis (letter)] Verger JP, et al. **Nouv Presse Med** 1981 Jul 4;10(29):2445 **(Fre)**

[Cavernous transformation of the portal vein causing bile drainage disturbance (author's transl)] Seez P, et al. **Leber Magen Darm** 1980 Oct;10(5):274–6 (Eng. Abstr.) **(Ger)**

[Aneurysm of the portal vein (author's transl)] Langer M, et al. **Roentgenblaetter** 1980 Oct;33(10):513–5 (Eng. Abstr.) **(Ger)**

[Transhepatic embolization of oesophageal varices (author's transl)] Frasson F, et al. **Radiol Med (Torino)** 1980 Mar; 66(3):97–108 (Eng. Abstr.) **(Ita)**

[Thrombosis of the portal vein and its branches] Bechcińska B, et al. **Wiad Lek** 1980 Aug 15;33(16):1289–92 (Eng. Abstr.) **(Pol)**

[Pylephlebitis and liver abscess as a complication of acute appendicitis] Kozlov VM. **Khirurgiia (Mosk)** 1980 Sep; (9):84 **(Rus)**

[Pylephlebitis as a complication of acute appendicitis] Golomazov MF. **Klin Khir** 1981 Apr;(4):72–3 **(Rus)**

[Prevention of pylephlebitis as a complication of acute appendicitis (author's transl)] Suša M. **Lijec Vjesn** 1980 Sep; 102(9):499–501 (Eng. Abstr.) **(Scr)**

ABNORMALITIES

Closure of intrahepatic hepatoportal arteriovenous fistula. Review and case report. Vaeusorn N, et al. **Diagn Imaging** 1981;50(2):84–90

Urinary calculi associated with portosystemic shunts in six dogs. Marretta SM, et al. **J Am Vet Med Assoc** 1981 Jan 15;178(2):133–7

Preduodenal portal vein—a cause of intestinal obstruction? Esscher T. **J Pediatr Surg** 1980 Oct;15(5):609–12

[Mesenteric–portal deviation syndrome. Physiopathological and diagnostic problems] Cospite M, et al. **Angiologia** 1980 Jan–Feb;32(1):16–24 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Initial branches of the portal vein in the developmental aspect in man. Obel W. **Folia Morphol (Warsz)** 1981;39(3):327–40

DRUG EFFECTS

Significance of glucose for mechanical activity, flavin and pyridine nucleotide oxidation–reduction changes in isolated rat portal veins under ACh–stimulation. Linke AM, et al. **Basic Res Cardiol** 1980 Nov–Dec;75(6):739–46

Trophic effect of norepinephrine on the rat portal vein in organ culture. Abel PW, et al. **Circ Res** 1980 Nov; 47(5):770–5

Vascular reactivity to angiotensin and noradrenaline in spontaneously and renal hypertensive rats. Couture R, et al. **Clin Exp Hypertens** 1980;2(1):45–63

Vascular reactivity to angiotensin and noradrenaline in rats maintained on a sodium free diet or made hypertensive with desoxycorticosterone acetate and salt (DOCA/salt). Couture R, et al. **Clin Exp Hypertens** 1980;2(1):25–43

Vascular reactivity to angiotensin and noradrenaline in rats. Effect of aging and of uninephrectomy. Couture R, et al. **Clin Exp Hypertens** 1980;2(1):1–24

Estrogen–induced zonal changes in rat liver sinusoids. Raufman JP, et al. **Gastroenterology** 1980 Dec;79(6):1174–7

Adrenoceptor study of guinea–pig superior mesenteric–portal vein. Muir CK, et al. **Med J Malaysia** 1980 Jun;34(4):387–90

[Liver regeneration characteristics in young rats in allyl alcohol lesion of the periportal areas] Beketova TP, et al. **Biull Eksp Biol Med** 1980 Aug;90(8):238–42 (Eng. Abstr.) **(Rus)**

[Age and the effect of noradrenaline on the physiologic properties and cyclic 3',5'–adenosine monophosphate content of portal vein smooth muscle cells] Frol'kis IV. **Fiziol Zh SSSR** 1980 Sep;66(9):1376–82 (Eng. Abstr.) **(Rus)**

[Mechanism of action of bradykinin on the contractile activity of the portal vein in rats] Vedernikov IuP, et al. **Fiziol Zh SSSR** 1981 Jan;67(1):81–7 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Fetal hepatic vessels and subsegmentation with evidence of further subdivision. Nawar NN, et al. **Acta Anat (Basel)** 1980;108(3):389–93

INNERVATION

Neuroeffector function of isolated portal vein from spontaneously hypertensive and wistar–kyoto rats: dependence on external calcium concentration. Pegram BL, et al. **Blood Vessels** 1981;18(3):89–99

The innervation of the hepatic portal vein in the rabbit: ultrastructural evidence against 'purinergic' neurotransmission. Gibbins IL. **Cell Tissue Res** 1981; 217(3):563–7

METABOLISM

Portal venous transport of long–chain fatty acids absorbed from rat intestine. McDonald GB, et al. **Am J Physiol** 1980 Sep;239(3):G141–50

Portal vein prostacyclin activity in experimental portal hypertension in rats. Hamilton G, et al. **Clin Sci** 1981 Mar; 60(3):327–9

PATHOLOGY

Granulomatous liver disease in the small hepatic and portal veins. Nakanuma Y, et al. **Arch Pathol Lab Med** 1980 Sep; 104(9):456–8

[Venous thrombosis in the portal venous system and liver cirrhosis. Paraneoplastic syndrome? (author's transl)] Tscholl–Ducommun J. **Arch Anat Cytol Pathol** 1980; 28(3):163–8 (Eng. Abstr.) **(Fre)**

[Morphology of cavernous transformation of the portal vein (author's transl)] Bechtelsheimer H, et al. **Leber Magen Darm** 1980 Apr;10(2):99–106 (Eng. Abstr.) **(Ger)**

[Portal cavernoma. Observation of a case and clinico–nosographic considerations (author's transl)] Martinenghi P, et al. **Chir Ital** 1980 Oct;32(5):1248–53 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Significance of glucose for mechanical activity, flavin and pyridine nucleotide oxidation–reduction changes in isolated rat portal veins under ACh–stimulation. Linke AM, et al. **Basic Res Cardiol** 1980 Nov–Dec;75(6):739–46

Energy turnover and mechanical properties of resting and contracting aortas and portal veins from normotensive and spontaneously hypertensive rats. Arner A, et al. **Circ Res** 1981 Apr;48(4):539–48

Effects of wide variations in portal pressure on mesenteric blood flow and absorption from the canine colon. Grandison AS, et al. **Gut** 1980 Jun;21(6):475–9

Capillary blood flow in the canine colon and other organs at normal and raised portal pressure. Grandison AS, et al. **Gut** 1981 Mar;22(3):223–7

Effect of portal venous blood flow diversion on portal pressure. Zimmon DS, et al. **J Clin Invest** 1980 Jun; 65(6):1388–97

Regional differences in electrical and mechanical properties

of guinea-pig mesenteric vessels. Takata Y. **Jpn J Physiol** 1980;30(5):709–28

Participation of the arterial and portal drainage in the calculation of total hepatic blood flow in guinea pigs. Gronczewski J, et al. **Microvasc Res** 1980 Nov;20(3):336–45

The hepatic arterial blood flow response to portal vein occlusion in the dog: the effect of hepatic denervation. Mathie RT, et al. **Pfluegers Arch** 1980 Jul;386(1):77–83

The relationship between respiration, pressure and flow distribution in the vena cava and portal and hepatic veins. Rabinovici N, et al. **Surg Gynecol Obstet** 1980 Dec; 151(6):753–63

Systemic versus portal vein drainage of segmental pancreatic transplants in dogs. Martin X, et al. **Transplant Proc** 1980 Dec;12(4 Suppl 2):138–40

Spontaneous activity of rat portal vein at normal and elevated hydrostatic pressure. Sigurdsson SB, et al. **Undersea Biomed Res** 1980 Sep;7(3):171–81

PHYSIOPATHOLOGY

Differential effects of D 600 on contractile response of aorta and portal vein from spontaneously hypertensive rats. Pang CC, et al. **Blood Vessels** 1981;18(3):120–7

Portal vein flow pattern in portal hypertension. Lunderquist A. **Clin Radiol** 1980 Jul;31(4):395–415 (22 ref.)

Changes of portal vein pressure and intrahepatic blood vessels after surgery for biliary atresia. Kasai M, et al. **J Pediatr Surg** 1981 Apr;16(2):152–9

Collateral pathways in inferior vena caval obstruction in children, including the cavo-portal route. Gorenstein AI, et al. **Pediatr Radiol** 1981;10(4):225–8

[Hepaticoportal arteriovenous fistula: a case report, discussion of physiopathological and clinical problems, and review of the published literature (author's transl)] Puglionisi A, et al. **J Chir (Paris)** 1980 Nov;117(11):607–19 (172 ref.) (Eng. Abstr.) **(Fre)**

[A comparative study of portal vein pressure and endoscopic findings of esophageal varices in 50 cases of liver cirrhosis (author's transl)] Ido K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1980 Jun;77(6):871–7 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Abdominal ultrasound angiography. Kristensen JK, et al. **Acta Chir Scand [Suppl]** 1980;502:75–80

Complications of percutaneous transhepatic catheterization of the portal vein and its tributaries. Hoevels J, et al. **Acta Radiol [Diagn] (Stockh)** 1980;21(5):593–601

Percutaneous transhepatic portography in pancreatic carcinoma. Diagnosis and evaluation of resectability. Reichardt W, et al. **Acta Radiol [Diagn] (Stockh)** 1980; 21(5):579–86

Metastatic hepatic neoplasms: angiographic features of portal vein involvement. Heaston DK, et al. **AJR** 1981 May; 136(5):897–900

CT of hepatoma: effects of portal vein obstruction. Inamoto K, et al. **AJR** 1981 Feb;136(2):349–53

Is hepatic portal venous gas an indication for exploratory laparotomy? Traverso LW. **Arch Surg** 1981 Jul; 116(7):936–8

Portal vein ectasia simulating a vascular lesion in the pancreatic head in an enhanced CT scan. Meredith HC, et al. **CT** 1979 Dec;3(4):259–61

Computed tomography of iatrogenic hepatic lesions following percutaneous transhepatic cholangiography and portography. Tylén U, et al. **J Comput Assist Tomogr** 1981 Feb;5(1):15–8

CT demonstration of portal and superior mesenteric vein thrombosis in hepatocellular carcinoma. Vigo M, et al. **J Comput Assist Tomogr** 1980 Oct;4(5):627–9

Radiologic management of traumatic hepatic artery-portal vein arteriovenous fistulae. Sclafani SJ, et al. **J Trauma** 1981 Jul;21(7):576–80

Single-puncture method for percutaneous transhepatic portography using a thin needle. Kimura K, et al. **Radiology** 1981 Jun;139(3):748–9

Percutaneous transhepatic portography for obliteration of gastroesophageal varices in partial and total portal vein occlusion. Uflacker R, et al. **Radiology** 1980 Nov; 137(2):325–30

[Post-traumatic extrahepatic arterioportal fistula. A case with a spontaneously favourable course] Salvat F, et al. **J Radiol** 1980 Mar;61(3):185–7 (Eng. Abstr.) **(Fre)**

[Tumor thrombus in the portal vein. Diagnosis by sonography and CT] Grabbe E, et al. **ROEFO** 1981 Mar; 134(3):330–2 **(Ger)**

[Behçet's disease: report of ten cases and of a new clinical manifestation (portal vein thrombosis) (author's transl)] Castillo J, et al. **Med Clin (Barc)** 1980 Oct 25;75(7):279–83 (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

In vivo assessment of hepatic-arterial and portal-venous components of liver perfusion: concise communication. Fleming JS, et al. **J Nucl Med** 1981 Jan;22(1):18–21

SURGERY

Connective tissue changes in autogenous vein graft used as a mesocaval shunt. Höckerstedt K, et al. **Ann Chir Gynaecol** 1981;70(1):5–10

Noncirrhotic portal vein thrombosis. Physiology before and after shunts. Warren WD, et al. **Ann Surg** 1980 Sep; 192(3):341–9

A simplified technique for orthotopic liver transplantation in the rat using a cuff technique for portal vein and infrahepatic vena cava anastomoses. Limmer J, et al. **Eur Surg Res** 1981;13(3):236–42

Arterialization of the liver after portacaval shunt in the rabbit. Vassanelli P, et al. **Int Surg** 1980 Mar-Apr;65(2):151–5

Extrahepatic portal obstruction: Clinical experience and surgical treatment in 105 patients. Belli L, et al. **J Cardiovasc Surg (Torino)** 1980 Jul-Aug;21(4):439–48

Intraportal and intrahepatic splenic autotransplantation. Greco RS, et al. **Surgery** 1981 Sep;90(3):535–40

[Massive hemorrhage of the esophageal varix: standardized treatment and long-term results after portosystemic anastomosis (author's transl)] Fabian W, et al. **Langenbecks Arch Chir** 1980;353(1):1–7 (Eng. Abstr.) **(Ger)**

[The Warren shunt – a new perspective in the surgery of portal hypertension] Kieninger G. **Med Welt** 1980 Mar 21; 31(12):432–3 **(Ger)**

[Vascular and histological changes in rat liver after porta-systemic shunt] De Franco S, et al. **Ateneo Parmense [Acta Biomed]** 1979;50(1):97–105 (Eng. Abstr.) **(Ita)**

['Portalization' of the blood outflow from the adrenals for the purpose of enhancing corticosteroid metabolism (a review of the Soviet and foreign literature)] Kogan AS, et al. **Vestn Khir** 1981 Feb;126(2):134–9 **(Rus)**

ULTRASTRUCTURE

The fine structure of smooth muscle cells and their relationship to connective tissue in the rabbit portal vein. Komuro T, et al. **Cell Tissue Res** 1980;210(2):257–67

A scanning electron microscopic study of the liver of the monkey Macaca speciosa. I. Vascular system of the hepatic lobule. Vonnahme FJ, et al. **Cell Tissue Res** 1981; 215(1):193–205

PORTASYSTEMIC SHUNT, SURGICAL

Hepatic tissue perfusion studies during distal splenorenal shunt. Mathie RT, et al. **Am J Surg** 1980 Sep;140(3):384–6

The distal splenorenal shunt: an enigma. Nabseth DC. **Am J Surg** 1981 May;141(5):579–80

Survival and quality of life after selective portasystemic shunts. Orozco H, et al. **Am J Surg** 1981 Feb;141(2):183–6

Effect of portasystemic shunt operations on hepatic portal perfusion. Rikkers LF, et al. **Am J Surg** 1981 Jan; 141(1):169–74

Loss of hepatic portal perfusion after selective shunts. Warren WD. **Am J Surg** 1981 May;141(5):581

Connective tissue changes in autogenous vein graft used as a mesocaval shunt. Höckerstedt K, et al. **Ann Chir Gynaecol** 1981;70(1):5–10

Distal splenorenal shunt for portal hypertension. Kallio H, et al. **Ann Chir Gynaecol** 1981;70(1):1–4

Noncirrhotic portal vein thrombosis. Physiology before and after shunts. Warren WD, et al. **Ann Surg** 1980 Sep; 192(3):341–9

The distal lienorenal shunt: perioperative experience with 30 patients. Gibson PR, et al. **Aust NZ J Surg** 1981 Aug; 51(4):336–40

Influence of meso-caval shunt surgery on verapamil kinetics, bioavailability and response. Eichelbaum M, et al. **Br J Clin Pharmacol** 1980 Nov;10(5):527–30

Long term follow-up of interposition mesocaval shunting in portal hypertension. Fletcher MS, et al. **Br J Surg** 1981 Jul;68(7):485–7

The internal cavoatrial derivation for temporary vascular exclusion of the liver in the dog. Germain MA, et al. **Int Surg** 1980 Sep-Oct;65(5):405–10

The central splenorenal shunt for portal hypertension in children. experience with eight consecutive patent anastomoses. Coran AG, et al. **J Pediatr Surg** 1980 Dec; 15(6):827–34

Successful spleno-renal shunt and splenectomy in two patients with alpha-1-antitrypsin deficiency. Sotos JF, et al. **J Pediatr Surg** 1981 Feb;16(1):12–6

Metabolic effects of long-term diversion of renal venous blood into the portal system. Kokot F, et al. **Proc Eur Dial Transplant Assoc** 1980;17:589–97

Shunts for variceal hemorrhage: why? when? what? Gusberg RJ. **Surg Clin North Am** 1980 Oct;60(5):1265–72

Bleeding esophageal varices. Sax FL, et al. **Surg Clin North Am** 1981 Feb;61(1):209–19

Inferior vena caval hypertension in portosystemic shunts [letter] Adar R. **Surgery** 1981 Mar;89(3):400

Mesocaval interposition shunt for portal hypertension: results in 31 patients. Fourtanier G, et al. **World J Surg** 1980 Sep; 4(5):635–7

[Results of spleno-caval shunt for portal hypertension (author's transl)] Cai JX. **Chung Hua Wai Ko Tsa Chih** 1981 Apr;19(4):199–201 (Eng. Abstr.) **(Chi)**

[A comparative study of long-term results of splenorenal shunt and medical treatment for intrahepatic portal hypertension (author's transl)] Huang CT. **Chung Hua Wai Ko Tsa Chih** 1981 Apr;19(4):206–9 (Eng. Abstr.) **(Chi)**

[Selective distal spleno-renal shunt: report of 25 cases (author's transl)] Zhang SX. **Chung Hua Wai Ko Tsa Chih** 1980 Dec;18(6):542–3 **(Chi)**

[Superior mesenteric vein-inferior vena cava graft shunt for treatment of portal hypertension (author's transl)] Zhu YR. **Chung Hua Wai Ko Tsa Chih** 1979;17(2):128–30 **(Chi)**

[Role of mesenterico-caval anastomosis in the treatment of hemorrhage due to portal hypertension. Critical study] Ribet M, et al. **Med Chir Dig** 1981;10(2):121–6 (Eng. Abstr.) **(Fre)**

[Nutritional habits of children with portosystemic anastomoses--effects on serum ammonia and amino acid level] Cario RW, et al. **Kinderaerztl Prax** 1981 May; 49(5):245–51 (Eng. Abstr.) **(Ger)**

[Angiography in distal spleno-renal shunts (author's transl)] Wittich G, et al. **Radiologe** 1980 Nov;20(11):528–33 (Eng. Abstr.) **(Ger)**

[Effect of portasystemic anastomoses in childhood on propranolol pharmacokinetics] Cario WR, et al. **Schweiz Med Wochenschr** 1981 Jul 18;111(29):1088–93 (Eng. Abstr.) **(Ger)**

[Distal splenorenal shunt for bleeding due to portal hypertension] Katz S, et al. **Harefuah** 1980 Apr 15; 98(8):361–2 (Eng. Abstr.) **(Heb)**

[Validity of azygos-portal shunt by the Sugiera technic in the treatment of bleeding esophageal varices (initial personal experiences)] Lojacono L, et al. **Chir Patol Sper** 1979 Apr;27(2):196–201 (Eng. Abstr.) **(Ita)**

[Control of the patency of porto-systemic anastomoses] Mazziotti A, et al. **Minerva Chir** 1981 Apr 15;36(7):433–62 (84 ref.) (Eng. Abstr.) **(Ita)**

[Angiographic control of the results of portasystemic shunts in the adult] Corinaldesi A, et al. **Radiol Med (Torino)** 1980 Jan-Feb;66(1-2):51–3 **(Ita)**

[Distal splenorenal anastomosis in the treatment of bleeding esophageal varices] Henderson JM. **Recenti Prog Med** 1980 Oct;69(4):390–409 (53 ref.) (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Reversal of hepatic encephalopathy after occlusion of total portasystemic shunts. Hanna SS, et al. **Am J Surg** 1981 Aug;142(2):285–9

Pseudocyst of the pancreas complicating distal splenorenal shunt. A report of three cases with successful percutaneous drainage. McDermott WV, et al. **Ann Surg** 1981 Feb; 193(2):176–9

Blindness induced by double-blindedness [editorial] Conn HO. **Arch Intern Med** 1981 Jun;141(7):846–7

Dacron graft erosion of the duodenum: a complication of interposition mesocaval shunt operations. Osborne DR, et al. **Br J Surg** 1981 Jul;68(7):483–4

[Compartmentalized portal hypertension after spleno-renal shunt occlusion (author's transl)] Fekete F, et al. **Ann Chir** 1981;35(2):102–4 (Eng. Abstr.) **(Fre)**

[Results of spleno-renal anastomosis in the treatment of portal hypertension due to mansoni schistosomiasis. Apropos of a review of the literature] Strauss E, et al. **Arq Gastroenterol** 1980 Apr-Jun;17(2):81–7 (Eng. Abstr.) **(Fre)**

[Mesenterico-caval anastomosis and portal hepatic perfusion (letter)] Ribet M. **Gastroenterol Clin Biol** 1981 Feb;5(2):224 **(Fre)**

[Compartmentalized portal hypertension after spleno-renal shunt occlusion (author's transl)] Fekete F, et al. **Sem Hop Paris** 1981 Jun 18-25;57(25-28):1209–11 (Eng. Abstr.) **(Fre)**

[Ergotism in port systemic shunt] Eika C, et al. **Tidsskr Nor Laegeforen** 1980 Aug 20;100(23):1357–9 (Eng. Abstr.) **(Nor)**

METHODS

Selective distal splenorenal shunts. Technique and results. Machado AL, et al. **Am J Surg** 1981 Aug;142(2):281–4

Bleeding varices: 1. Emergency management. Hanna SS, et al. **Can Med Assoc J** 1981 Jan 1;124(1):29–41 (93 ref.)

Bleeding varices: 2. Elective management. Hanna SS, et al. **Can Med Assoc J** 1981 Jan 1;124(1):42–7 (52 ref.)

Initial experience with mesocaval H grafts: comparison with other portosystemic shunts. Bass A, et al. **Isr J Med Sci** 1980 Sep-Oct;16(9–10):634–5

Extrahepatic portal obstruction: Clinical experience and surgical treatment in 105 patients. Belli L, et al. **J Cardiovasc Surg (Torino)** 1980 Jul-Aug;21(4):439–48

Doppler ultrasound facilitates renal vein dissection during distal splenorenal shunt. Jarrell BE, et al. **Surg Gynecol Obstet** 1981 May;152(5):661–2

A randomized controlled trial of mesentericocaval shunt with autologous jugular vein. Stipa S, et al. **Surg Gynecol Obstet** 1981 Sep;153(3):353–6

Portosystemic shunts for extrahepatic portal hypertension in children. Tocornal J, et al. **Surg Gynecol Obstet** 1981 Jul; 153(1):53–6

[A comparison of the results of different types of portal systemic shunt in treatment of portal hypertension (author's transl)] Bai CN. **Chung Hua Wai Ko Tsa Chih** 1981 Apr; 19(4):202–5 (Eng. Abstr.) **(Chi)**

[The use of side-to-side meso-caval shunt in the treatment of portal hypertension (author's transl)] Cai JX. **Chung Hua Wai Ko Tsa Chih** 1981 Mar;19(3):157–8 (Eng. Abstr.) **(Chi)**

['3' pattern spleno-renal shunt (author's transl)] Wang XE.

Chung Hua Wai Ko Tsa Chih 1979;17(6):496–7 **(Chi)**
[Preliminary report on spleno–cava venous shunt (author's transl)] Zhang ZX. **Chung Hua Wai Ko Tsa Chih** 1980 Mar; 18(3):231–2 **(Chi)**
[Mesocaval interposition shunt in the treatment of bleeding esophageal varices] Terpstra OT, et al. **Ned Tijdschr Geneeskd** 1981 Jan 24;125(4):144–9 (Eng. Abstr.) **(Dut)**
[Latero–lateral meso–caval anastomosis in portal hypertension. Report concerning 20 cases (author's transl)] Chang WH. **J Chir (Paris)** 1980 Oct;117(10):519–23 (Eng. Abstr.) **(Fre)**
[Vascular anastomoses in children with the extrahepatic form of portal hypertension] Pugachev AG, et al. **Vestn Khir** 1981 Mar;126(3):93–7 (Eng. Abstr.) **(Rus)**

MORTALITY

Factors influencing survival after therapeutic shunts. Results of a discriminant function and linear logistic regressions analysis. Cello JP, et al. **Am J Surg** 1981 Feb;141(2):257–65

PORTOSYSTEMIC SHUNT, SURGICAL see **PORTASYSTEMIC SHUNT, SURGICAL**

PORTRAITS

The Betchworth portraits: members of the family of William Harvey. Sakula A. **Med Hist** 1980 Jul;24(3):333–41

POSITIVE PRESSURE RESPIRATION

Airway closure during anaesthesia, and its prevention by positive end expiratory pressure. Bindslev L, et al. **Acta Anaesthesiol Scand** 1980 Jun;24(3):199–205
Effects of the level of CPAP on central haemodynamics and oxygen transport. Vuori A. **Acta Anaesthesiol Scand** 1980 Aug;24(4):295–8
Congenital diaphragmatic hernia in the newborn: postoperative CPAP treatment. Verebély TL, et al. **Acta Paediatr Acad Sci Hung** 1981;22(1–2):131–5
Elevations in plasma ADH levels during PEEP ventilation in the dog: mechanisms involved. Bark H, et al. **Am J Physiol** 1980 Dec;239(6):E474–81
Postoperative intermittent positive pressure breathing versus physiotherapy. Schuppisser JP, et al. **Am J Surg** 1980 Nov; 140(5):682–6
The effects of intermittent positive pressure breathing on patients with respiratory muscle weakness. De Troyer A, et al. **Am Rev Respir Dis** 1981 Aug;124(2):132–7
High frequency ventilation [editorial] Froese AB, et al. **Am Rev Respir Dis** 1981 Mar;123(3):249–50
CO2 elimination by high frequency ventilation (4 to 10 Hz) in normal subjects. Goldstein D, et al. **Am Rev Respir Dis** 1981 Mar;123(3):251–5
Aerosol bronchodilator administration in ventilator systems [letter] **Anaesthesia** 1981 Feb;36(2):229–30
Ventilatory support for children with whooping cough. Experience with children admitted to a paediatric intensive care unit. Lewis M, et al. **Anaesthesia** 1980 Oct; 35(10):979–83
Corrective cardiac surgery in infants. A review of 136 patients including the contribution of postoperative ventilation. Manners JM, et al. **Anaesthesia** 1980 Dec; 35(12):1149–56
Sedation for ventilation. A retrospective study of fifty patients. Miller–Jones CM, et al. **Anaesthesia** 1980 Nov; 35(11):1104–6
Do changes in lung compliance allow the determination of 'optimal PEEP'? Falke KJ. **Anaesthesist** 1980 Apr; 29(4):165–8
Goal–directed therapy of acute respiratory failure. Gallagher TJ, et al. **Anesth Analg (Cleve)** 1980 Nov;59(11):831–4
Clinical evaluation of high–frequency positive–pressure ventilation (HFPPV) in patients scheduled for open–chest surgery. Malina JR, et al. **Anesth Analg (Cleve)** 1981 May; 60(5):324–30
The effect of positive end–expiratory pressure ventilation (PEEP) on cerebral blood flow and cerebrospinal fluid pressure in goats. Doblar DD, et al. **Anesthesiology** 1981 Sep;55(3):244–50
Time course and mechanisms of lung–volume increase with PEEP in acute pulmonary failure. Katz JA, et al. **Anesthesiology** 1981 Jan;54(1):9–16
The effect of unilateral PEEP on gas exchange and pulmonary perfusion in canine lobar pneumonia. Light RB, et al. **Anesthesiology** 1981 Sep;55(3):251–5
Extubation from ambient or expiratory positive airway pressure in adults. Quan SF, et al. **Anesthesiology** 1981 Jul; 55(1):53–6
The effects of high–frequency positive–pressure ventilation on intracranial pressure and brain surface movement in cats. Todd MM, et al. **Anesthesiology** 1981 Jun;54(6):496–504
Intermittent positive pressure breathing administration of terbutaline: a dose response study. Trautlein JJ, et al. **Ann Allergy** 1981 Aug;47(2):76–8
Use of transcutaneous oxygen sensors to titrate PEEP. Tremper KK, et al. **Ann Surg** 1981 Feb;193(2):206–9
Positive end–expiratory pressure in the management of the patient with a postoperative bleeding heart. Ilabaca PA, et al. **Ann Thorac Surg** 1980 Sep;30(3):281–4
Decreased bleeding with PEEP [letter] Zurick A, et al. **Ann Thorac Surg** 1981 Aug;32(2):216
Positive pressure ventilation and cranial volume in newborn infants. Milligan DW. **Arch Dis Child** 1981 May;56(5):331–5
Continuous positive airway pressure [letter] Gottlieb M. **Arch Surg** 1981 Mar;116(3):368
Treatment of chylothorax [letter] Pilon RN. **Arch Surg** 1980 Sep;115(9):1137
Hemodynamic effects of extreme positive pressure breathing using a two–pressure flying suit. Balldin UI, et al. **Aviat Space Environ Med** 1980 Sep;51(9 Pt 1):851–5
Pulmonary fat embolism treated by intermittent continuous positive airway pressure given by face mask. Naver L, et al. **Br Med J** 1980 Jun 14;280(6229):1413–4
Artificial ventilation and the heart [editorial] **Br Med J [Clin Res]** 1981 Aug 8;283(6288):397–8
Role of the pericardium and intact chest wall in the hemodynamic response to positive end–expiratory pressure ventilation. Morris AL, et al. **Can J Physiol Pharmacol** 1981 Jan;59(1):45–52
Double–blind comparison of metaproterenol and isoetharine–phenylephrine solutions in intermittent positive pressure breathing in bronchospastic conditions. Riker JB, et al. **Chest** 1980 Nov;78(5):723–5
Mechanism of decreased right and left ventricular end–diastolic volumes during continuous positive–pressure ventilation in dogs. Fewell JE, et al. **Circ Res** 1980 Sep; 47(3):467–72
Patterns of ventilation. Branthwaite MA. **Cleve Clin Q** 1981 Spring;48(1):226–32
Oxygen transport and doubts about PEEP. Gilston A. **Cleve Clin Q** 1981 Spring;48(1):221–5
Use of PEEP in acute respiratory distress syndrome in dogs. Dechert R, et al. **Crit Care Med** 1981 Jan;9(1):10–3
Indomethacin pretreatment in continuous positive–pressure ventilation. Edmonds HL Jr, et al. **Crit Care Med** 1981 Jul;9(7):524–9
Effects of endotracheal suction versus apnea during interruption of intermittent or continuous positive pressure ventilation. Ehrhart IC, et al. **Crit Care Med** 1981 Jun; 9(6):464–8
The effect of continuous positive airway pressure on the course of respiratory distress syndrome: the benefits on early initiation. Hegyi T, et al. **Crit Care Med** 1981 Jan; 9(1):38–41
Effect of PEEP on lung water content in experimental noncardiogenic pulmonary edema. Miller WC, et al. **Crit Care Med** 1981 Jan;9(1):7–9
Why (not) try PEEP? [editorial] Petty TL. **Crit Care Med** 1981 Jan;9(1):67–8
Cardiopulmonary parameters during high PEEP in children. Pollack MM, et al. **Crit Care Med** 1980 Jul;8(7):372–6
Temporal responses of functional residual capacity and oxygen tension to changes in positive end–expiratory pressure. Rose DM, et al. **Crit Care Med** 1981 Feb; 9(2):79–82
Prophylactic intubation and continuous positive airway pressure in the management of inhalation injury in burn victims. Venus B, et al. **Crit Care Med** 1981 Jul;9(7):519–23
Effects of positive pressure breathing on right and left ventricular preload and afterload. Cassidy SS, et al. **Fed Proc** 1981 Jun;40(8):2178–81
Altered cardiovascular reflex responses during positive pressure breathing. Stinnett HO. **Fed Proc** 1981 Jun; 40(8):2182–7
Intermittent mandatory ventilation and positive end–expiratory pressure in acute ventilatory insufficiency. Civetta JM. **Int Anesthesiol Clin** 1980 Summer;18(2):123–42 (43 ref.)
Cardiopulmonary effects of intermittent mandatory ventilation. Douglas ME, et al. **Int Anesthesiol Clin** 1980 Summer;18(2):97–121 (57 ref.)
Critique of intermittent mandatory ventilation. Fairley HB. **Int Anesthesiol Clin** 1980 Summer;18(2):179–89
Postoperative management: ventilation. Hollinger IB. **Int Anesthesiol Clin** 1980 Spring;18(1):205–16
Positive end–expiratory pressure (PEEP) and cerebrospinal fluid pressure during normal and elevated intracranial pressure in dogs. Cotev S, et al. **Intensive Care Med** 1981; 7(4):187–91
Effects of PEEP on pulmonary mechanics and oxygen transport in the late stages of acute pulmonary failure. Klose R, et al. **Intensive Care Med** 1981;7(4):165–70
Effect of PEEP on gas exchange, pulmonary mechanics, and hemodynamics in adult respiratory distress syndrome (ARDS). Kuckelt W, et al. **Intensive Care Med** 1981; 7(4):177–85
Lung volume and pleural pressure effects on ventricular function. Culver BH, et al. **J Appl Physiol** 1981 Mar; 50(3):630–5
Effect of PEEP on gas exchange and pulmonary perfusion in canine lobar pneumonia. Mink SN, et al. **J Appl Physiol** 1981 Mar;50(3):517–23
Atelectatic lobe blood flow: open vs. closed chest, positive pressure vs. spontaneous ventilation. Pirlo AF, et al. **J Appl Physiol** 1981 May;50(5):1022–6
Mechanisms of renal dysfunction during positive end–expiratory pressure ventilation. Priebe HJ, et al. **J Appl Physiol** 1981 Mar;50(3):643–9
The efficiency of the Magill attachment during intermittent positive pressure ventilation. El–Khateeb MS, et al. **J Egypt Med Assoc** 1978;61(9–10):667–72
Prospective clinical comparison of two methods for mechanical ventilation of neonates: rapid rate and short inspiratory time versus slow rate and long inspiratory time. Heicher DA, et al. **J Pediatr** 1981 Jun;98(6):957–61
The relationship between peak inspiratory pressure and positive end expiratory pressure on the volume of air lost through a bronchopleural fistula. Dennis JW, et al. **J Pediatr Surg** 1980 Dec;15(6):971–6
Management of diaphragmatic paralysis in infants with special emphasis on selection of patients for operative plication. Haller JA Jr, et al. **J Pediatr Surg** 1979 Dec; 14(6):779–85
Does intermittent mandatory ventilation accelerate weaning? Schachter EN, et al. **JAMA** 1981 Sep 11;246(11):1210–4
Dobutamine inotropic support in a patient requiring high–level PEEP. Chodoff P, et al. **Md State Med J** 1981 Jan;30(1):56–7
PEEP and left ventricular performance [letter] **N Engl J Med** 1981 Jun 4;304(23):1428–9
Artificial ventilation with PEEP; the influence on cardiac output in the simulated normo–, hypo– and hypervolemic state. De Lange JJ, et al. **Neth J Surg** 1981 Mar;33(1):14–8
Intracranial pressure changes in brain–injured patients requiring positive end–expiratory pressure ventilation. Burchiel KJ, et al. **Neurosurgery** 1981 Apr;8(4):443–9
Regional blood flows in newborn lambs during endotracheal continuous airway pressure and continuous negative pressure breathing. Furzan JA, et al. **Pediatr Res** 1981 May; 15(5):874–8
Effects of gas temperature and particulate water on rabbit lungs during ventilation. John E, et al. **Pediatr Res** 1980 Nov;14(11):1186–91
Effects of alterations of inspiratory and expiratory pressures and inspiratory/expiratory ratios on mean airway pressure, blood gases, and intracranial pressure. Stewart AR, et al. **Pediatrics** 1981 Apr;67(4):474–81
Life–threatening Mycoplasma pneumoniae infection. McGonigle R, et al. **Postgrad Med J** 1980 Sep; 56(659):675–6
Experimental studies of continuous positive–pressure ventilation and high–frequency positive–pressure ventilation. Borg U, et al. **Resuscitation** 1981 Mar;9(1):1–21
Ventilation: external regulation of the environment of the lung. Drinker PA, et al. **Surg Clin North Am** 1980 Dec; 60(6):1429–35
Positive end–expiratory pressure [editorial] Al–Jurf AS. **Surg Gynecol Obstet** 1981 May;152(5):653
Treatment of pulmonary embolism with positive end–expiratory pressure and prostaglandin E1. Utsunomiya T, et al. **Surg Gynecol Obstet** 1981 Aug;153(2):161–8
The effect of increasing end–expiratory pressure on extravascular lung water. Peitzman AB, et al. **Surgery** 1981 Sep;90(3):439–45
[Treatment of isolated postoperative respiratory complications by constant positive pressure in spontaneous ventilation] Bourrelli B, et al. **Ann Anesthesiol Fr** 1980; 21(4):399–406 (Eng. Abstr.) **(Fre)**
[Constant positive pressure mechanical ventilation (CPPV) and intermittent demand ventilation (IMV)] Suter PM. **Ann Anesthesiol Fr** 1980;21(4):379–85 (Eng. Abstr.) **(Fre)**
[Anuria and respiratory distress after phlegmon of the hand. Recovery after hemodialysis and artificial respiration] Bourdais A. **Dakar Med** 1980;25(2):120–4 (Eng. Abstr.) **(Fre)**
[Acute respiratory failure: comparison of spontaneous ventilation with continuous positive airway pressure (CPAP) and mechanical ventilation with positive and expiratory pressure (CPPV) in 6 cases (author's transl)] Simonneau G, et al. **Nouv Presse Med** 1979 Jan 13; 8(2):113–5 (Eng. Abstr.) **(Fre)**
[Aspects of primary PEEP ventilation for immediate treatment of emergency patients (author's transl)] Dick W, et al. **Anaesthesist** 1980 Aug;29(8):407–13 (Eng. Abstr.) **(Ger)**
[Servo–ventilator 900 B with modified registration site for measuring the ventilation pressure. A possibility for reducing the inspiratory resistance during SIMV (author's transl)] Link J, et al. **Anaesthesist** 1981 Apr;30(4):210–2 (Eng. Abstr.) **(Ger)**
[The effect of prolonged inspiration time and PEEP on compliance and gas exchange in ventilated patients (author's transl)] Osswald PM, et al. **Anaesthesist** 1981 Feb; 30(2):71–6 (Eng. Abstr.) **(Ger)**
[Relationship between left atrial pressure and pulmonary artery wedge pressure during ventilation with PEEP (letter)] Skarvan K, et al. **Anaesthesist** 1981 Jun; 30(6):309–10 **(Ger)**
[Prophylactic and therapeutic intermittent positive pressure breathing with combined therapeutic aerosols (IPPB/I)—functional and morphological effects. I. Functional effects of prophylactic IPPB/I (author's transl)] Kleinau H, et al. **Z Erkr Atmungsorgane** 1981;156(2):141–50 (Eng. Abstr.) **(Ger)**
[Prophylactic and therapeutic intermittent positive pressure breathing with combined therapeutic aerosols (IPPB/I)—functional and morphological effects. II. Therapeutic IPPB/I in ventilation disturbances of the lung (author's transl)] Kleinau H, et al. **Z Erkr Atmungsorgane** 1981;156(2):151–8 (Eng. Abstr.) **(Ger)**
[Best PEEP (author's transl)] Sugimoto H, et al. **Kokyu To Junkan** 1980 Nov;28(11):1265–9 **(Jpn)**
[The influence of PEEP on intracranial and cerebral

perfusion pressure (author's transl)] Kikuta I, et al. **Masui** 1980 Oct;29(10):1037–41 (Eng. Abstr.) **(Jpn)**

[1st experience of using intermittent positive pulmonary ventilation with young infants after heart surgery operations] Aleksi-Meskhishvili VV, et al. **Anesteziol Reanimatol** 1981 Jan-Feb;(1):25–8 (Eng. Abstr.) **(Rus)**

[Effect of artificial pulmonary ventilation under constant positive pressure in the respiratory tracts on the lesser circulation under various types of general anesthesia] Gimmel'farb GN, et al. **Anesteziol Reanimatol** 1980 Sep-Oct;(5):43–6 (Eng. Abstr.) **(Rus)**

[Effect of artificial pulmonary ventilation with a varying positive level at the end of expiration on lung function] Kukelt W, et al. **Anesteziol Reanimatol** 1980 Nov-Dec; (6):9–11 (Eng. Abstr.) **(Rus)**

[The effect of increased intrapulmonary pressure on defensive reflexes of the respiratory tract] Javorka K, et al. **Cesk Fysiol** 1981 May;30(3):251–2 **(Slo)**

[Use of final positive expiratory pressure (FPEEP) in the management of acute respiratory insufficiency] Sandoval Zárate J, et al. **Arch Inst Cardiol Mex** 1980 Jul-Aug; 50(4):487–95 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Pulmonary mechanics, chest X-ray and lung disease after mechanical ventilation in low birth weight infants. Lindroth M, et al. **Acta Paediatr Scand** 1980 Nov; 69(6):761–70

Radiological case of the month: systemic air embolism secondary to respiratory therapy. Kogutt MS. **Am J Dis Child** 1980 Oct;134(10):983–4

Positive end-expiratory pressure (PEEP) does not depress left ventricular function in patients with pulmonary edema. Calvin JE, et al. **Am Rev Respir Dis** 1981 Aug;124(2):121–8

Hypoxia in a neonate caused by intermittent positive pressure ventilation. Beddis IR, et al. **Arch Dis Child** 1980 May; 55(5):403–5

Effects of intermittent positive-pressure ventilation on lungs of normal rabbits. John E, et al. **Br J Exp Pathol** 1980 Jun;61(3):315–23

Pneumocephalus. A complication of continuous positive airway pressure after trauma. Klopfenstein CE, et al. **Chest** 1980 Oct;78(4):656–7

A follow-up study of very low-birthweight infants receiving ventilatory support by face mask. Tuck S, et al. **Dev Med Child Neurol** 1980 Oct;22(5):633–41

Respiratory infections in infants on mechanical ventilation: the immune response as a diagnostic aid. Giacoia GP, et al. **J Pediatr** 1981 May;98(5):691–5

Pressure-induced deformation in immature airways. Bhutani VK, et al. **Pediatr Res** 1981 May;15(5):829–32

Pulmonary function after prolonged mechanical ventilation with high concentrations of oxygen. Gillbe CE, et al. **Thorax** 1980 Dec;35(12):907–13

[Pneumoperitoneum in artificial respiration with positive end- expiratory pressure] Grundmann R, et al. **Med Welt** 1981 Mar 6;32(10):330–2 **(Ger)**

[Paradoxic lowering of arterial O2 partial pressure and progressive hypoxemia in respiratory distress syndrome treated by expansion therapy] Hencz P. **Orv Hetil** 1980 Sep 21;121(38):2329–30 **(Hun)**

HISTORY

A historical account of the 'wet lung of trauma' and the introduction of intermittent positive-pressure oxygen therapy in world war II. Brewer LA 3d. **Ann Thorac Surg** 1981 Apr;31(4):386–93

INSTRUMENTATION

A simple and inexpensive device for administration of continuous positive airway pressure breathing. Bagger M. **Br J Anaesth** 1980 Jun;52(6):627–8

Intermittent mandatory ventilation. Luce JM, et al. **Chest** 1981 Jun;79(6):678–85 (28 ref.)

Intermittent mandatory ventilation: why the controversy [editorial] Downs JB, et al. **Crit Care Med** 1981 Aug; 9(8):622–3

Nondirectional, lightweight 'PEEP' adaptor for the transportaion of critically ill neonates and infants. Miyasaka K, et al. **Crit Care Med** 1980 Jul;8(7):400–2

Humidification of rapidly flowing gas. Poulton TJ, et al. **Crit Care Med** 1981 Jan;9(1):59–63

Continuous positive airway pressure (CPAP) by face mask. Smith RA, et al. **Crit Care Med** 1980 Sep;8(9):483–5

Description and clinical evaluation of a new continuous positive airway pressure device. Zamost BG, et al. **Crit Care Med** 1981 Feb;9(2):109–13

Low flow continuous positive airway pressure with a modified fresh gas reservoir. Zebrowski ME, et al. **Crit Care Med** 1981 Feb;9(2):106–8

Early development: intermittent mandatory ventilation in neonatal respiratory support. deLemos RA, et al. **Int Anesthesiol Clin** 1980 Summer;18(2):39–51 (15 ref.)

Apparatus and techniques for intermittent mandatory ventilation. Graybar GB, et al. **Int Anesthesiol Clin** 1980 Summer;18(2):53–80 (60 ref.)

Treatment of acute pulmonary failure by CPAP via face mask: when can intubation be avoided? Suter PM, et al. **Klin Wochenschr** 1981 Jun 15;59(12):613–6

[The adaptation of the Bennett PR2 to intermittent mandatory ventilation (author's transl)] Neidhardt A, et al. **Anesth Analg (Paris)** 1980;37(5–6):331–4 (Eng. Abstr.) **(Fre)**

[Separate lung ventilation circuit] Cavanilles JM, et al. **Ann Anesthesiol Fr** 1980;21(4):393–7 (Eng. Abstr.) **(Fre)**

[Evaluation of devices permitting spontaneous ventilation with positive expiratory pressure (CPAP)] Rivara D, et al. **Ann Anesthesiol Fr** 1980;21(4):387–92 **(Fre)**

[Synchronized intermittent mandatory ventilation with Bennett MA-1 Ventilator (author's transl)] Toyooka H, et al. **Masui** 1980 Jul;29(7):716–20 (Eng. Abstr.) **(Jpn)**

METHODS

Different ventilatory patterns of respiratory resuscitation after near-drowning. Dick W, et al. **Acta Anaesthesiol Belg** 1980;31 Suppl:165–74

Effect of positive-end-expiratory-pressure on right ventricular output in lambs with hyaline membrane disease. Cotton RB, et al. **Acta Paediatr Scand** 1980 Sep;69(5):603–6

Prolonged intermittent positive pressure ventilation by nasal prongs in intractable apnea of prematurity. Moretti C, et al. **Acta Paediatr Scand** 1981 Mar;70(2):211–6

Artificial ventilation of premature newborn rabbits: effects of positive end-expiratory pressure on lung mechanics and lung morphology. Nilsson R, et al. **Acta Paediatr Scand** 1980 Sep;69(5):597–602

One-lung high-frequency pressure ventilation for sleeve pneumonectomy: an alternative technique. El-Baz N, et al. **Anesth Analg (Cleve)** 1981 Sep;60(9):683–6

Methods of intermittent positive pressure breathing. Welch MA Jr, et al. **Chest** 1980 Sep;78(3):463–7

IPPB, SMI, gloves: good or bad? [letter] Welch MA Jr. **Chest** 1981 May;79(5):615–6

Pulmonary venous admixture during mechanical ventilation with varying FIO2 and PEEP. Carlon GC, et al. **Crit Care Med** 1980 Nov;8(11):616–9

Clinical experience with high frequency jet ventilation. Carlon GC, et al. **Crit Care Med** 1981 Jan;9(1):1–6

A simplified method of independent lung ventilation. Gallagher TJ, et al. **Crit Care Med** 1980 Jul;8(7):396–9

The use of continuous positive airway pressure in blast injury of the chest. Uretzky G, et al. **Crit Care Med** 1980 Sep; 8(9):486–9

Intermittent mandatory ventilation and weaning. Downs JB, et al. **Int Anesthesiol Clin** 1980 Summer;18(2):81–95 (26 ref.)

Differential lung ventilation with HFPPV. Miranda DR, et al. **Intensive Care Med** 1981 Apr;7(3):139–41

Adult respiratory distress syndrome treated with high-frequency positive pressure ventilation. Flatau E, et al. **Isr J Med Sci** 1981 Jun;17(6):453–6

Mean airway pressure--significance during mechanical ventilation in neonates. Ciszek TA, et al. **J Pediatr** 1981 Jul;99(1):121–6

Reversal of obstructive sleep apnoea by continuous positive airway pressure applied through the nares. Sullivan CE, et al. **Lancet** 1981 Apr 18;1(8225):862–5

A perspective on PEEP [editorial] Cassidy SS, et al. **N Engl J Med** 1981 Feb 12;304(7):421–2

Influence of positive end-expiratory pressure on left ventricular performance. Jardin F, et al. **N Engl J Med** 1981 Feb 12;304(7):387–92

Continuous positive airway pressure: modes of action in relation to clinical applications. Jonson B, et al. **Pediatr Clin North Am** 1980 Aug;27(3):687–99

Adult respiratory distress syndrome associated with acute nitrofurantoin toxicity. Successful treatment with continuous positive airway pressure. Israel RH, et al. **Respiration** 1980;39(6):318–22

Experimental studies of continuous positive-pressure ventilation and high-frequency positive-pressure ventilation. Borg U, et al. **Resuscitation** 1981 Mar;9(1):1–21

[Ventilation during microsurgery of the larynx] Skuthanová V, et al. **Rozhl Chir** 1981;60(1):10–5 (Eng. Abstr.) **(Cze)**

[Unsynchronized ventilation of each lung with a selective and expiratory pressure in treatment of unilateral swallowing pneumopathy (author's transl)] Lafaye C, et al. **Anesth Analg (Paris)** 1981;38(1–2):61–3 (Eng. Abstr.) **(Fre)**

[Continuous positive airway pressure and respiratory work: importance of the capacitance of the circuit (author's transl) (letter)] Thomas L, et al. **Nouv Presse Med** 1979 Jan 6; 8(1):45 (Eng. Abstr.) **(Fre)**

[Development of a s-IMV-technique for Bird apparatus (author's transl)] Borst RH, et al. **Anaesthesist** 1980 Dec; 29(12):682–7 (Eng. Abstr.) **(Ger)**

[Early PEEP for improvement of prognosis in patients with acute respiratory insufficiency (author's transl)] Weilemann LS, et al. **Klin Wochenschr** 1981 Jun 15;59(12):607–12 (Eng. Abstr.) **(Ger)**

NURSING

Nursing assessment of intermittent mandatory ventilation. Hudson-Civetta J, et al. **Int Anesthesiol Clin** 1980 Summer; 18(2):143–77 (19 ref.)

STANDARDS

Intermittent mandatory ventilation-reconsidered [editorial] Petty TL. **Crit Care Med** 1981 Aug;9(8):620–1

UTILIZATION

Evaluating the changing role of respiratory therapy services at two hospitals. Braun SR, et al. **JAMA** 1981 May 22–29; 245(20):2033–7

Good news! Bad news? The status of respiratory therapy in the 1980s [editorial] Kasik JE, et al. **JAMA** 1981 May 22–29;245(20):2059

VETERINARY

The use of the Flomasta ventilator in dogs. Brouwer GJ, et al. **Vet Rec** 1980 Aug 2;107(5):110–1

POSITIVE REINFORCEMENT see **REINFORCEMENT (PSYCHOLOGY)**

POST AND CORE TECHNIC see under **CROWNS**

POSTAGE STAMPS see **PHILATELY**

POSTAL SERVICE

Telephone or letter outreach to outpatients who fail to keep first appointments. Kovacs KV. **Hosp Community Psychiatry** 1981 Apr;32(4):278–9

Fallibility of postal questionnaire follow-up for detection of hypothyroidism after iodine-131 therapy. Hoffman L, et al. **Med J Aust** 1981 Mar 21;1(6):303–4

[Survival of enteric viruses adsorbed on glass microfibers during postal transport] Joret JC, et al. **Can J Microbiol** 1981 Feb;27(2):246–8 (Eng. Abstr.) **(Fre)**

HISTORY

Fumigated mail. Weiss MM. **J Ky Med Assoc** 1981 Jan; 79(1):19–22

POSTCOITAL CONTRACEPTIVES see **CONTRACEPTIVES, POSTCOITAL**

POSTENCEPHALITIC PARKINSONISM see **PARKINSON DISEASE, POSTENCEPHALITIC**

POSTERIOR CERVICAL SYMPATHETIC SYNDROME see **BARRE-LIEOU SYNDROME**

POSTGASTRECTOMY SYNDROMES

Some regularities in the development of gastric stump cancer in patients partially gastrectomized for duodenal ulcer. Mozsik G, et al. **Acta Med Acad Sci Hung** 1980;37(1):67–72

Complications of gastroduodenal surgery. Currie DJ. **Can J Surg** 1981 Mar;24(2):107–8

[Recurrent ulcer and cancer in the operated stomach] Dick W, et al. **Med Welt** 1981 Apr 17;32(16):611–2 **(Ger)**

[Short and median term results of 234 cases of gastrectomy with the Billroth II method. Critical evaluation] Anfossi A, et al. **Minerva Chir** 1981 Jul 15–31;36(13–14):885–90 (Eng. Abstr.) **(Ita)**

[Long-term results of gastric resection with reconstruction, using the Billroth I method] Ibba F, et al. **Minerva Chir** 1980 Jul 15–31;35(13–14):1009–16 (Eng. Abstr.) **(Ita)**

CLASSIFICATION

[Definition and classification of the late complications after gastric resection] Milkov G. **Probl Khig** 1980;8:139–49 (Eng. Abstr.) **(Bul)**

DIAGNOSIS

Carcinoma of the stomach after gastric operation. Orlando R 3d, et al. **Am J Surg** 1981 Apr;141(4):487–91

Isolated retained antrum diagnosis by gastrin challenge tests and radioscintillation scanning. Cortot A, et al. **Dig Dis Sci** 1981 Aug;26(8):748–51

An audit of the care of post-gastrectomy patients. Barley SL, et al. **J R Coll Gen Pract** 1980 Jun;30(215):365–70

[Significance of the different complications after stomach resection for the work capacity of surgical patients] Milkov G. **Khirurgiia (Sofiia)** 1980;33(3):205–9 (Eng. Abstr.) **(Bul)**

[Combined use of x-ray and endoscopic methods of examining patients with a peptic ulcer of the anastomosis] Spivak VP. **Klin Khir** 1980 Aug;(8):61 **(Rus)**

[Differential diagnosis of impaired evacuation from the gastric stump] Bachev II. **Vestn Khir** 1980 Jun;124(6):33–7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Operation-sequel carcinoma--an experimental study. Langhans P, et al. **Hepatogastroenterology** 1981 Feb; 28(1):34–7

[Late functional sequelae of total gastrectomy] Petri I, et al. **Orv Hetil** 1981 Apr 19;122(16):947–51 **(Hun)**

[Postoperative pancreatitis as cause of premature stenosis of neostomy after gastrectomy. 3 cases] Galli Stampino C, et al. **Arch Sci Med (Torino)** 1980 Jan-Mar;137(1):153–60 **(Ita)**

[Peptic ulcers after gastric resection] Khachiev LG, et al. **Vestn Khir** 1981 Apr;126(4):41–5 **(Rus)**

[Pathological consequences and surgical situations derived

from or related to peptic ulcer surgery] de Miguel JU. **Rev Esp Enferm Apar Dig** 1980 Nov;58(5):465–74 **(Spa)**

OCCURRENCE

[Frequency of complications after gastric resection] Khachiev LG, et al. **Klin Khir** 1980 Aug;(8):52 **(Rus)**

PATHOLOGY

Epithelial proliferation in human fundic mucosa after antrectomy and vagotomy. Assad RT, et al. **Gastroenterology** 1980 Nov;79(5 Pt 1):807–11

[Histology of the jejunal mucosa in stomach surgery: its relation to postoperative symptoms] Lopasso FP, et al. **AMB** 1980 Jul;26(7):239–42 (Eng. Abstr.) **(Por)**

[Effect of experimental duodenal exclusion following gastric resection on the character of blood glucose curves] Poturemets LM, et al. **Fiziol Zh** 1981 Jan–Feb;27(1):53–9 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[The follow up study of the surgical treatment for duodenal ulcer—gastric secretion and postsurgical syndrome (author's transl)] Kyo A, et al. **Nippon Shokakibyo Gakkai Zasshi** 1980 Jun;77(6):885–93 (Eng. Abstr.) **(Jpn)**

[Gastrin levels and the secretory function of the operated stomach] Kalish IuI, et al. **Sov Med** 1980;(9):12–6 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

[Follow up after partial gastric resection (author's transl)] Martinoli S. **Ther Umsch** 1980 Sep;37(9):700–4 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

[Combined infusion cholecystocholegraphy in postgastrectomy syndrome patients] Khodzhimetov AK. **Vestn Rentgenol Radiol** 1980 Nov–Dec;(6):82–3 **(Rus)**

RADIONUCLIDE IMAGING

[Gastroscintigraphic examinations on the influence of different factors on the kind of evacuation of the stomach (author's transl)] Devišev MI, et al. **Radiol Diagn (Berl)** 1981;22(1):96–103 (Eng. Abstr.) **(Ger)**

SURGERY

A new approach for the surgical treatment of late post-total gastrectomy syndromes. Lygidakis NJ. **Acta Chir Belg** 1980 Nov–Dec;79(6):397–403

[The treatment of recurrent ulcer after stomach resection with thoracic vagotomy] Lehr L, et al. **Chirurg** 1981 Apr; 52(4):247–53 (Eng. Abstr.) **(Ger)**

THERAPY

[Conservative treatment of postgastrectomy syndromes] Lubczyńska-Kowalska W, et al. **Pol Tyg Lek** 1981 Mar 16;36(11):425–8 **(Pol)**

[Selection for health resort treatment of patients who have undergone radical surgery for stomach cancer] Gerasimenko VN, et al. **Vopr Onkol** 1981;27(7):86–9 (Eng. Abstr.) **(Rus)**

POSTMORTEM CHANGES

Medicolegal aspects on alcohol detected in dead bodies. Nanikawa R. **Acta Med Leg Soc (Liege)** 1980;30(3):109–10

Changes of pituitary hormones in brain death. Schrader H, et al. **Acta Neurochir (Wien)** 1980;52(3–4):239–48

Post-mortem modifications of the ependyma of the lateral ventricular wall. Hetzel W. **Acta Neuropathol (Berl)** 1980; 51(1):15–22

Problems of peptide analysis in human post-mortem brain. Bird ED. **Adv Biochem Psychopharmacol** 1981;28:657–72 (54 ref.)

The post-mortem vacuoles of Schlemm's canal. Grierson I, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 215(4):249–64

Estimation of the postmortem interval by chemical means. Henry JB, et al. **Am J Forensic Med Pathol** 1980 Dec; 1(4):341–7

Postmortem absorption of lead by the skeleton. Waldron HA. **Am J Phys Anthropol** 1981 Jul;55(3):395–8

Sequential postmortem changes of glomeruli. Their detection by scanning electron microscopy. Langlinais PC. **Arch Pathol Lab Med** 1981 Sep;105(9):482–6

Fine structure of post-mortal tissues transformations. Preliminary observations. Torre C, et al. **Boll Soc Ital Biol Sper** 1979 Sep 30;55(18):1915–21

Postmortem stability of alpha-bungarotoxin binding sites in mouse and human brain. Davies P, et al. **Brain Res** 1981 Jul 20;216(2):449–54

A method for obtaining viable sperm in the postmortem state. Rothman CM. **Fertil Steril** 1980 Nov;34(5):512

Autolytic changes in blood cells and other tissue cells of human cadavers. I. Viability and ion studies. Laiho K, et al. **Forensic Sci Int** 1981 Mar–Apr;17(2):109–20

Autolytic changes in blood cells of human cadavers. II. Morphological studies. Penttilä A, et al. **Forensic Sci Int** 1981 Mar–Apr;17(2):121–32

The influence of putrefactive changes on the determination of Paraquat in autopsy materials. Tsunenari S, et al. **Forensic Sci Int** 1981 Jan–Feb;17(1):51–6

Post-mortem elemental redistribution in rat studied by x-ray microanalysis and electron microscopy. Kuypers GA, et al. **Histochemistry** 1980;69(2):145–56

Postmortem changes in the actin-myosin interaction of rabbit skeletal muscle. Takahashi K, et al. **J Biochem (Tokyo)** 1981 Jan;89(1):321–4

A post-mortem study of the mucosa in the edentulous mouth. Watson IB, et al. **J Dent** 1980 Dec;8(4):327–32

Postmortem wound dehiscence: a medicolegal masquerade. McGee MB, et al. **J Forensic Sci** 1981 Jan;26(1):216–9

The preparation of biologically active messenger RNA from human postmortem brain tissue. Gilbert JM, et al. **J Neurochem** 1981 Mar;36(3):976–84

In vitro synthesis of human brain proteins including tubulin and actin by purified postmortem polysomes. Marotta CA, et al. **J Neurochem** 1981 Mar;36(3):966–75

Postmortem changes of amino compounds in human and rat brain. Perry TL, et al. **J Neurochem** 1981 Feb;36(2):406–10

Postmortem stability of brain 3-methoxy-4-hydroxyphenylethyleneglycol and 3,4-dihydroxyphenylethyleneglycol in the rat and mouse. Warsh JJ, et al. **J Neurochem** 1981 Mar;36(3):902–7

Autopsy sampling and elemental analysis: errors arising from post-mortem changes. Iyengar GV. **J Pathol** 1981 Jul; 134(3):173–80

Estimation of postmortem interval from rectal temperature by use of computer—relationship between the rectal and skin cooling curves. Hiraiwa K, et al. **Med Sci Law** 1981 Jan;21(1):4–9

Postmortem changes of 5-hydroxytryptamine and 5-hydroxyindoleacetic acid in mouse brain and their prevention by pargyline and microwave irradiation. Van Wijk M, et al. **Neurochem Res** 1981 Apr;6(4):425–30

Postmortal histomorphologic and histoenzymatic alterations in rat brain. Oehmichen M, et al. **Pathol Res Pract** 1980; 169(1):72–83

Enzyme alterations in brain tissue during the early postmortal interval with reference to the histomorphology: review of the literature. Oehmichen M. **Z Rechtsmed** 1980;85(2):81–95

[The influence of aging, post-mortem delay until isolation of the tissue and duration of agony on some glycolytic enzymes in human autoptic brain tissue (author's transl)] Iwangoff P, et al. **Aktuel Gerontol** 1980 May;10(5):203 (Eng. Abstr.) **(Ger)**

[Demonstration of methaqualome in putrefaction] Käferstein H. **Beitr Gerichtl Med** 1980;38:217–21 (Eng. Abstr.) **(Ger)**

[Air embolism or putrefaction gas? The diagnosis of cardiac air embolism in the cadaver] Keil W, et al. **Beitr Gerichtl Med** 1980;38:395–408 (Eng. Abstr.) **(Ger)**

[T3, T4 thyroid hormone values before and after death] Missliwetz J, et al. **Beitr Gerichtl Med** 1980;38:297–302 (Eng. Abstr.) **(Ger)**

[Histoautoradiographic examinations of postmortem proliferation of the epidermis in rats] Schellmann B, et al. **Beitr Gerichtl Med** 1980;38:199–201 (Eng. Abstr.) **(Ger)**

[The formation with time of granular cell necrosis] Umach P, et al. **Beitr Gerichtl Med** 1980;38:85–7 (Eng. Abstr.) **(Ger)**

[Influence of below-freezing temperatures on the rate of post-mortem metabolism and the water-holding capacity in prerigor frozen beef muscles (author's transl)] Fischer C, et al. **Z Lebensm Unters Forsch** 1980 Sep;171(3):200–5 (Eng. Abstr.) **(Ger)**

[Validity of digoxin concentrations in blood determined post mortem (author's transl)] Aderjan R, et al. **Z Rechtsmed** 1980;86(1):13–20 (Eng. Abstr.) **(Ger)**

[The kinetics of the postmortal bacterial metabolism of the glutamic acid in brain (author's transl)] Daldrup T. **Z Rechtsmed** 1981;86(3):195–203 (Eng. Abstr.) **(Ger)**

[Determination of cholinesterase activity from postmortem blood samples by the modified Ellmann method] Hideg Z. **Orv Hetil** 1981 Jan 25;122(4):221–2 **(Hun)**

[The electrical resistance and impedance of mammalian muscles during the first days after slaughter. I: bovine diaphragm] Brini R, et al. **Boll Soc Ital Biol Sper** 1980 Aug 15;56(15):1574–9 (Eng. Abstr.) **(Ita)**

[The electrical resistance and impedance of mammalian muscles during the first days after slaughtering. II: femoral biceps of swine] Brini R, et al. **Boll Soc Ital Biol Sper** 1980 Aug 15;56(15):1580–4 (Eng. Abstr.) **(Ita)**

[Usefulness of ophthalmological examinations, particularly fluoroangioscopy, for the diagnosis of cerebral death: II. Pattern of eye fundus changes and their dynamics (author's transl)] Chomicz J. **Klin Oczna** 1980 Jul;82(7):345–7 (Eng. Abstr.) **(Pol)**

[Postmortem changes in the ultrastructure, cytoplasmic proteins and nuclear chromatin of rabbit nerve cells] Vitbitskil VN, et al. **Arkh Anat Gistol Embriol** 1980 Nov; 79(11):79–85 (Eng. Abstr.) **(Rus)**

[Possibility of studying lipoperoxidation processes in surviving tissues] Lankin VZ, et al. **Biull Eksp Biol Med** 1981 Mar;91(3):327–9 (Eng. Abstr.) **(Rus)**

[Determination of the time of burial from the state of the dental tissues] Garazha NN. **Stomatologiia (Mosk)** 1980 Nov–Dec;59(6):71–3 **(Rus)**

[Dynamics of the enzyme activity of testicular tissue at different times in the postmortem period (a biochemical study)] Balaev VV. **Sud Med Ekspert** 1981 Jan–Mar; 24(1):32–3 **(Rus)**

[Possibility of differentiating intravital injuries to the skull bones caused by blunt objects from posthumous fissures and decay under the action on high temperature] Begoian AG, et al. **Sud Med Ekspert** 1980 Oct–Dec;23(4):54–5 **(Rus)**

[Establishing the time of burial of skeletalized cadavers by postmortem dental changes] Garazha NN. **Sud Med Ekspert** 1980 Oct–Dec;23(4):23–5 **(Rus)**

METABOLISM

Mucosal secretin content in postmortem tissues. Straus E, et al. **Lab Invest** 1981 Feb;44(2):97–8

MICROBIOLOGY

Postmortem alterations of bacterial localization. Davis CP. **Scan Electron Microsc** 1980;(3):523–6, 542

POSTNATAL CARE

Encouragement counts in breast feeding. Burd B. **Am J Nurs** 1981 Aug;81(8):1491

Early postpartum separation and maternal attachment to twins. Dickerson PS. **JOGN Nurs** 1981 Mar–Apr; 10(2):120–3

The postpartum follow-up nurse clinician. Donaldson NE. **JOGN Nurs** 1981 Jul–Aug;10(4):249–54

Pregnancy care for the 1980s [editorial] **Lancet** 1981 Sep 5; 2(8245):512

Early postpartum nursing care of mother and infant in the home care setting. McCarty E. **Nurs Clin North Am** 1980 Jun;15(2):361–72

Impact of an education program on perinatal care practices. Harlan WR, et al. **Pediatrics** 1980 Dec;66(6):893–9

ECONOMICS

Short shrift on perinatal care [editorial] **Lancet** 1980 Dec 13;2(8207):1285

METHODS

[Postnatal primary therapy of Morbus haemolyticus neonatorum in prematurely born infants, following intra-uterine foetal transfusion (author's transl)] Plesse R, et al. **Zentralbl Gynaekol** 1980;102(8):457–62 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

The postpartum period: after confinement: the fourth trimester. Jennings B, et al. **Clin Obstet Gynecol** 1980 Dec; 23(4):1093–103 (28 ref.)

Post-natal care in hospital: a new look. Filshie S, et al. **R Soc Health J** 1981 Apr;101(2):70–3

POSTNIDATION PHASE

Application of post-implantation embryo culture to problems in teratology. Cockroft DL. **Acta Morphol Acad Sci Hung** 1980;28(1–2):117–24

DRUG EFFECTS

[Action of cyclophosphamide in a culture of rat postimplantation embryos] Popov VB. **Ontogenez** 1981; 12(3):251–6 (Eng. Abstr.) **(Rus)**

POSTOPERATIVE CARE

Postanesthesia lung volumes in surgical patients. Drain CB. **AANA J** 1981 Jun;49(3):261–8

Some principles of postoperative epidural pressure monitoring. Belopavlovic M, et al. **Acta Neurochir (Wien)** 1981;55(3–4):227–45

Sequential postoperative assessment of left ventricular performance with gated cardiac blood pool imaging following aortocoronary bypass surgery. Reduto LA, et al. **Am Heart J** 1981 Jan;101(1):59–66

Right ventricular function in adult atrial septal defect. Preoperative and postoperative assessment and clinical implications. Liberthson RR, et al. **Am J Cardiol** 1981 Jan; 47(1):56–60

Postbiopsy care. Wiley KR. **Am J Nurs** 1981 Sep; 81(9):1660–2

A dynamic splint for use after total wrist arthroplasty. Johnson BM, et al. **Am J Occup Ther** 1981 Mar; 35(3):179–84

Evaluation of benefits of different nutritional pre- and postoperative management of hemorrhoidectomy patients. Crossland SG, et al. **Am J Proctol Gastroenterol Colon Rectal Surg** 1981 May; 32(5):8, 10–2, 14

Clinical and cost benefits of liaison psychiatry. Levitan SJ, et al. **Am J Psychiatry** 1981 Jun;138(6):790–3

Randomized trial of drainage after cholecystectomy. Suction vaersus static drainage through a main wound versus a stab incision. van der Linden W, et al. **Am J Surg** 1981 Feb; 141(2):289–94

Corrective cardiac surgery in infants. A review of 136 patients including the contribution of postoperative ventilation. Manners JM, et al. **Anaesthesia** 1980 Dec; 35(12):1149–56

No-catheter suprapubic vacuum drainage of the bladder and prostatic cavity after transvesical prostatectomy. Salmela H. **Ann Chir Gynaecol** 1980;69(3):106–11

The perioperative management of patients with polycythaemia. Cundy J. **Ann R Coll Surg Engl** 1980 Nov; 62(6):470–5

Early versus delayed shoulder motion following axillary dissection: a randomized prospective study. Lotze MT, et al. **Ann Surg** 1981 Mar;193(3):288–95

Advising patients on sex after surgery. Robusto N. **AORN J** 1980 Jul;32(1):55–61

Carotid endarterectomy: after surgery. Szaflarski N. **AORN J** 1980 Jul;32(1):48–54

Treatment of granulating wounds with silastic foam dressings. Smith RC, et al. **Aust NZ J Surg** 1981 Aug; 51(4):354–7

Is nasogastric aspiration really necessary following cholecystectomy? Hyland JM, et al. **Br J Clin Pract** 1980 Oct;34(10):293–4

Postoperative analgesia [letter] Leitch AG. **Br Med J** 1980 Jan 26;280(6209):253–4

Uses of anaesthesia. Postoperative care. Spence AA. **Br Med J** 1980 Aug 2;281(6236):367–8

Postoperative radiotherapy in breast cancer [editorial] **Br Med J [Clin Res]** 1981 May 9;282(6275):1498–9

Management of patients after mastectomy. Clark PB, et al. **Br Med J [Clin Res]** 1981 Jun 27;282(6282):2095–6

Effect of therapy on cerebral blood flow following aneurysm surgery. Weir B, et al. **Can J Neurol Sci** 1981 Feb; 8(1):27–30

Management of the postoperative cardiac surgical patient. Sheppard LC, et al. **Cardiovasc Clin** 1981;11(3):131–9

Comparison of three methods of respiratory care following upper abdominal surgery. Jung R, et al. **Chest** 1980 Jul; 78(1):31–5

Preoperative exercise capacity in symptomatic patients with aortic regurgitation as a predictor of postoperative left ventricular function and long-term prognosis. Bonow RO, et al. **Circulation** 1980 Dec;62(6):1280–90

Left ventricular functional reserve in adult patients with atrial septal defect: pre- and postoperative studies. Bonow RO, et al. **Circulation** 1981 Jun;63(6):1315–22

Postoperative respiratory care. Benzer H. **Cleve Clin Q** 1981 Spring;48(1):215–7

Role of computers in postoperative care. Boutros AR. **Cleve Clin Q** 1981 Spring;48(1):213–4

Fluid and electrolyte management following open heart surgery. Boutros AR. **Cleve Clin Q** 1981 Spring;48(1):202–4

Care of the cardiac patient after noncardiac surgery. Starr NJ. **Cleve Clin Q** 1981 Spring;48(1):200–1

Eighteen-year report on stapedectomy. II. Postoperative therapy. Causse J, et al. **Clin Otolaryngol** 1980 Oct; 5(5):329–37

Postoperative care of the patient with heart disease. Gabel JC, et al. **Contemp Anesth Pract** 1980;2:173–88

Recent advances in the postoperative care of the pediatric cardiac surgical patient. Midgley FM. **Crit Care Med** 1980 Oct;8(10):559–61

Preoperative and postoperative care of the pediatric surgical patient. Pringle KC, et al. **Crit Care Med** 1980 Oct; 8(10):554–8

The flexible bronchofiberscope in the intensive care unit (ICU)--the optimal postoperative care for the bronchial system. Groitl H. **Endoscopy** 1981 May;13(3):100–3

Postoperative management: circulation. Brodman E. **Int Anesthesiol Clin** 1980 Spring;18(1):189–203

Recovery room care of the surgical patient. Cullen DJ. **Int Anesthesiol Clin** 1980 Fall;18(3):39–52

Postoperative management: ventilation. Hollinger IB. **Int Anesthesiol Clin** 1980 Spring;18(1):205–16

Dobutamine, isoprenaline and dopamine in patients after open heart surgery. Chamberlain JH, et al. **Intensive Care Med** 1980 Nov;7(1):5–10

Use of two Ryle's tubes in postoperative management. Chaube RJ, et al. **J Indian Med Assoc** 1980 Oct 1; 75(7):139–41

The recovery room as a nursing service. Andrewes SJ. **J R Soc Med** 1979 Apr;72(4):275–7

Pattern of work in the recovery room. Hudson RB. **J R Soc Med** 1979 Apr;72(4):273–5

The post-op gyn patient: questions and answers [letter] Tamlyn DL. **JOGN Nurs** 1980 Jul-Aug;9(4):253–4

Enteral alimentation in the early postoperative course. Hultén L, et al. **JPEN** 1980 Sep-Oct;4(5):455–9

Measuring the complexity and uncertainty of surgery and postsurgical care. Schoonhoven CB, et al. **Med Care** 1980 Sep;18(9):893–915

Nutrition in the peri-operative patient. Rudge BA. **NZ Med J** 1981 May 13;93(683):306–8

The effect of varying amounts of intravenous glucose on the metabolic changes after surgery. Swaminathan R, et al. **Postgrad Med J** 1980 Sep;56(659):652–5

Physostigmine, naloxone, narcotics and sedatives in patients recovering from general anesthesia. Havasi I, et al. **Proc West Pharmacol Soc** 1981;24:27–8

Therapeutic use of the medicinal water 'Hunyadi János' in surgical patients. Sándor T. **Ther Hung** 1980;28(3):114–7

Adjuvant postoperative radiotherapy in locally advanced rectal and rectosigmoidal cancer. Zucali R, et al. **Tumori** 1980 Oct 31;66(5):595–600

The peri-operative management of the patient scheduled for open heart surgery. Sivapragasam S, et al. **West Indian Med J** 1980 Dec;29 Suppl:306–13

[How to further improve the results of surgical treatment of lung cancer] Hájek M. **Rozhl Chir** 1981 Jun;60(6):385–8 (Eng. Abstr.) **(Cze)**

[Radiotherapeutic possibilities in the postoperative treatment of gastric tumours (author's transl)] Balikdjian D, et al. **Acta Gastroenterol Belg** 1979 Nov-Dec;42(11-12):496–504 (Eng. Abstr.) **(Fre)**

[Concepts determining the increased significance of postoperative monitoring in otospongiosis] Causse JB. **Acta Otorhinolaryngol Belg** 1980;34(2):186–92 **(Fre)**

[Pre- and postoperative left ventricular function. After aortocoronary bypass surgery] Serruys PW, et al. **Arch Mal Coeur** 1980 Jun;73(6):617–33 (Eng. Abstr.) **(Fre)**

[The fate of patients of a surgical intensive care unit] André J. **Rev Med Suisse Romande** 1980 Jun;100(6):533–43 **(Fre)**

[Postoperative therapy by means of acute parenteral alimentation (APA) with high doses of insulin and glucose after open heart surgery (author's transl)] Haider W, et al. **Anaesthesist** 1981 Feb;30(2):53–63 (Eng. Abstr.) **(Ger)**

[The significance of exogenous sodium uptake in the perioperative homeostasis of the water and electrolyte balance] Schildberg FW, et al. **Chirurg** 1980 Jun; 51(6):395–402 (Eng. Abstr.) **(Ger)**

[Principles of postoperative care in hand injuries] Suren EG, et al. **Chirurg** 1981 May;52(5):310–5 **(Ger)**

[Antiphlogistic and analgesic effect of diclofenac sodium after maxillofacial interventions in a double-blind trial] Mayer M, et al. **Dtsch Zahnaerztl Z** 1980 May;35(5):559–63 (Eng. Abstr.) **(Ger)**

[Glucose or sugar substitutes in parenteral infusions? The choice of carbohydrates in postoperative infusion therapy] Leutenegger AF. **Fortschr Med** 1980 Dec 18; 98(47–48):1864–6 (Eng. Abstr.) **(Ger)**

[Anesthesia and perioperative care of aged women] Radakovic D. **Gynaekologe** 1980 Dec;13(4):192–7 **(Ger)**

[Comparative studies on perioperative infusion therapy in infants] Altemeyer KH, et al. **Infusionsther Klin Ernaehr** 1981 Feb;8(1):36–43 (Eng. Abstr.) **(Ger)**

[Postoperative infusion therapy - peripheral parenteral feeding and carbohydrate administration] Lürig C. **Infusionsther Klin Ernaehr** 1981 Feb;8(1):28–34 (Eng. Abstr.) **(Ger)**

[Standardized postoperative parenteral nutrition with a complete solution containing glucose] Behrendt W, et al. **Infusionsther Klin Ernahr** 1981 Jun;8(3):104–7 (Eng. Abstr.) **(Ger)**

[Metabolism of parenterally administered amino acids in the postoperative period. I. Comparative blood kinetic examinations in healthy adults and in the postoperative period] Bürger U. **Infusionsther Klin Ernahr** 1981 Jun; 8(3):108–13 (Eng. Abstr.) **(Ger)**

[The need for a specific postoperative, total parenteral nutrition therapy after various intra-abdominal procedures] Georgieff M, et al. **Infusionsther Klin Ernahr** 1981 Jun; 8(3):114–23 (Eng. Abstr.) **(Ger)**

[Sugar substitutes or glucose in peripheral venous hypocaloric nutrition?] Löhlein D, et al. **Infusionsther Klin Ernahr** 1981 Jun;8(3):133–40 (Eng. Abstr.) **(Ger)**

[Guidelines for the postoperative care of fractures] Domres B, et al. **Med Welt** 1981 Apr 17;32(16):603–5 **(Ger)**

[Medical follow-up subsequent to surgical operations] Kummer D. **Med Welt** 1980 Mar 21;31(12):438–441 **(Ger)**

[Clinical proof of a new bag system in stoma care] Stock W, et al. **Med Welt** 1981 Mar 6;32(10):333–5 **(Ger)**

[Physical therapy in the rehabilitation of intervertebral disk surgery patients. Contribution to the goal-oriented postoperative management using the example of Brunkow's isometric exercises] Finkbeiner GF, et al. **Rehabilitation (Stuttg)** 1980 Feb;19(1):13–9 (Eng. Abstr.) **(Ger)**

[Combined postoperative therapy of glial brain tumors. Initial results of the pilot study] Schulz U, et al. **Strahlentherapie [Sonderb]** 1978;75:166–70 **(Ger)**

[Sympathomimetics in the postoperative management of episiotomies. Results of a double-blind clinical trial] Veltmann W. **Ther Ggw** 1980 Aug;119(8):912–7 **(Ger)**

[Functional after-treatment, exercises and appraisal after lesions of the knee ligaments (author's transl)] Probst J. **Unfallchirurgie** 1980;6(2):134–8 (Eng. Abstr.) **(Ger)**

[Lessening the impairment of wound healing by pre-or postoperative quantitative factor-XIII substitution (author's transl)] Baer J, et al. **Zentralbl Chir** 1980; 105(10):642–51 (Eng. Abstr.) **(Ger)**

[Pediatric surgery: considerations and clinical findings concerning the postoperative use of a 'biological reconstituent'] Ricceri R, et al. **Clin Ter** 1980 Oct 15; 95(1):29–41 (Eng. Abstr.) **(Ita)**

[Evaluation of the action of 3 different types of nutritional therapy in protein catabolism of the immediate postoperative period] Berruti G, et al. **Minerva Anestesiol** 1979 Mar;45(3):167–74 (Eng. Abstr.) **(Ita)**

[Intensive postoperative treatment in obstetrics and gynecology: proposal for a score system for medico-surgical assessment of the abdominal surgery patient] Margaria E, et al. **Minerva Anestesiol** 1980 May; 46(5):607–15 (Eng. Abstr.) **(Ita)**

[Postoperative management of enterostomy patients] Nygaard K. **Tidsskr Nor Laegeforen** 1980 Oct 20; 100(29):1739–41 (Eng. Abstr.) **(Nor)**

[Value of the preparation reparil in orthopedic surgery and traumatology] Zarzycki D, et al. **Chir Narzadow Ruchu Ortop Pol** 1980;45(4):379–81 (Eng. Abstr.) **(Pol)**

[Evaluation of the prophylactic use of antibiotics after the surgical removal of the lower wisdom tooth] Lewandowski B. **Czas Stomatol** 1980 Jul;33(7):611–6 (Eng. Abstr.) **(Pol)**

[Soft contact lens use postoperatively in patients with penetrating injuries of the eyeball (author's transl)] Hermel B, et al. **Klin Oczna** 1980 Jul;82(7):357–8 (Eng. Abstr.) **(Pol)**

[Non-residual diet Terapin (Polfa) administered to patients treated at a surgical clinic] Klukowski M, et al. **Pol Przegl Chir** 1980 May;52(5):407–13 (Eng. Abstr.) **(Pol)**

[Nutrition of patients operated on for extreme obesity.] Góral R, et al. **Pol Tyg Lek** 1980 Oct 20;35(40):1525–9 (Eng. Abstr.) **(Pol)**

[Effect of postoperative radiotherapy of breast cancer on the peripheral lymphocytes] Krzakowski M. **Wiad Lek** 1981 Feb 15;34(4):277–83 (Eng. Abstr.) **(Pol)**

[Pymadine, a new type of non-depolarizing muscle-relaxant antagonist] Stoianov E, et al. **Rev Chir [Chir]** 1981 May-Jun;30(3):225–30 (Eng. Abstr.) **(Rum)**

[Postoperative corrective 'screens'] Kliuka IV, et al. **Oftalmol Zh** 1980;35(8):505–6 **(Rus)**

[Parenteral alimentation in the early postoperative period] Brisky T. **Acta Chir Iugosl** 1981;28(1):95–100 (Eng. Abstr.) **(Scr)**

[Is drainage after cholecystectomy indicated or is it a cause of increased mortality due to infection?] Pažur M. **Acta Chir Iugosl** 1980;27 Suppl 1:193–5 (Eng. Abstr.) **(Scr)**

[A new dressing for enterostomy patients] Hultén L, et al. **Lakartidningen** 1980 Jun 4;77(23):2196–8 (Eng. Abstr.) **(Swe)**

[New improved stoma help devices] Soop C. **Lakartidningen** 1980 Jun 4;77(23):2179 **(Swe)**

METHODS

Postoperative pain relief by demand analgesia. Peeters M, et al. **Acta Anaesthesiol Belg** 1980;31 Suppl:233–7

Postoperative intermittent positive pressure breathing versus physiotherapy. Schuppisser JP, et al. **Am J Surg** 1980 Nov; 140(5):682–6

Reduction of operative morbidity and mortality by combined preoperative and postoperative nutritional support. Mullen JL, et al. **Ann Surg** 1980 Nov;192(5):604–13

Early extubation after Fontan operation. A clinical report. Schuller JL, et al. **Br J Anaesth** 1980 Oct;52(10):999–1004

A method of post-operative irrigation in transurethral resection. Towler JM. **Br J Urol** 1980 Jun;52(3):231

Preoperative and postoperative echocardiographic studies of pulmonic valvular endocarditis. Chiang CW, et al. **Chest** 1981 Aug;80(2):232–4

Value of an anal dilator after anal stretch for haemorrhoids. Greca F, et al. **J R Soc Med** 1981 May;74(5):368–70

Immediate postoperative enteral nutrition with a nonelemental diet. Fairfull-Smith RJ, et al. **J Surg Res** 1980 Sep;29(3):236–9

Management of the child after cardiac surgery. Engle MA. **Pediatr Ann** 1981 Apr;10(4):53–60

A simple postoperative blepharoplasty dressing. Gum RA, et al. **Plast Reconstr Surg** 1981 Feb;67(2):234–5

The therapeutic advantages of a balanced nutritional support system. Kirkpatrick JR, et al. **Surgery** 1981 Mar;89(3):370–4

Long term intravenous rifampicin after massive small bowel resection. Wake PN, et al. **Tubercle** 1980 Jun;61(2):109–11

[Enteral feeding in the early postoperative period] Spasova N, et al. **Khirurgiia (Sofiia)** 1980;33(5):428–32 (Eng. Abstr.) **(Bul)**

[Substitution therapy in surgical operations in haemophiliacs--our experience (author's transl)] Vorlová Z, et al. **Cas Lek Cesk** 1980 Sep 12;119(36–37):980–4 (Eng. Abstr.) **(Cze)**

[Measurement of ventilatory reserve as an objective criterion for early extubation after cardiac surgery (author's transl)] Lauwers P, et al. **Acta Anaesthesiol Belg** 1980; 31(1):XXXII-XXXVI **(Dut)**

[Plasma-coated titanium screw as an endosseous implant; method of implantation and postoperative care] Ledermann P. **Dtsch Zahnaerztl Z** 1980 May;35(5):577–9 (Eng. Abstr.) **(Ger)**

[Cardiovascular care of children after heart surgery] Storm W. **Intensivmed Prax** 1979;(2):99–123 (116 ref.) **(Ger)**

[Pre- and postoperative treatment experiences with cleft patients] Meyer FU, et al. **Stomatol DDR** 1980 Jun; 30(6):398–401 (Eng. Abstr.) **(Ger)**

[Post-operative care after reconstructive and plastic surgery of the knee ligaments (author's transl)] Helbing G, et al. **Unfallheilkunde** 1980 Aug;83(8):426–30 (Eng. Abstr.) **(Ger)**

[Postoperative care with varidase following phimosis surgery. A comparative study of various application forms] Tuchen W, et al. **ZFA (Stuttgart)** 1980 Dec 10;56(34):2419–22 **(Ger)**

[Postoperative treatment of liver injuries in the surgical intensive care unit] Foco A, et al. **Minerva Med** 1981 Jan 14;72(1):17–20 (Eng. Abstr.) **(Ita)**

[Post-operative radiotherapy of supraglottic carcinoma: technique with three fields of 60Co (author's transl)] Alfano B, et al. **Radiol Med (Torino)** 1980 Oct;66(10):705–10 (Eng. Abstr.) **(Ita)**

[Bone scintigraphy in choosing the therapy for the postoperative hip prosthesis patient with persistent pain] Rembado R, et al. **Radiol Med (Torino)** 1980 Oct; 66(10):763–5 **(Ita)**

[Experience of the Maxillofacial Surgery Clinic of the Medical Academy in Gdansk in the restoration of postresection mandibular defects] Korzon T, et al. **Czas Stomatol** 1980 Nov;33(11):995–1000 (Eng. Abstr.) **(Pol)**

[Vibromassage in the prevention of inflammatory adnexal diseases after uterine myoma surgery] Radionchenko AA, et al. **Akush Ginekol (Mosk)** 1981 Apr;(4):42–4 **(Rus)**

[1st experience of using intermittent positive pulmonary ventilation with young infants after heart surgery operations] Aleksi-Meskhishvili VV, et al. **Anesteziol Reanimatol** 1981 Jan–Feb;(1):25–8 (Eng. Abstr.) **(Rus)**

[Use of transcutaneous electrostimulation for surgical and postoperative analgesia] Damir EA, et al. **Anesteziol Reanimatol** 1980 Nov–Dec;(6):40–3 (Eng. Abstr.) **(Rus)**

[Characteristics of corrective therapy in the preoperative and early postoperative periods in acute intestinal obstruction] Pantsyrev IuM, et al. **Anesteziol Reanimatol** 1980 Nov–Dec;(6):52–7 (Eng. Abstr.) **(Rus)**

[Dynamics of the body functional state in orthopedic injury patients undergoing acupuncture in the immediate postoperative period] Zavorina AP. **Anesteziol Reanimatol** 1980 Nov–Dec;(6):43–6 (Eng. Abstr.) **(Rus)**

[Supplemental parenteral feeding after operations in suppurative diseases of the lungs and pleura] Alekseeva ME, et al. **Grudn Khir** 1981 Jan–Feb;(1):67–70 (Eng. Abstr.) **(Rus)**

[Infusion therapy in intensive care of patients in the postoperative period] Margulis MS, et al. **Khirurgiia (Mosk)** 1980 Nov;(11):92–6 **(Rus)**

[Postoperative treatment of complicated thyrotoxicosis] Nikolaichuk LV, et al. **Khirurgiia (Mosk)** 1980 Dec; (12):40–3 (Eng. Abstr.) **(Rus)**

[Interstitial radiation therapy with 198Au after a radical operation for rectal cancer] Brusilovskiĭ MI, et al. **Med Radiol (Mosk)** 1981 Jan;26(1):15–8 (Eng. Abstr.) **(Rus)**

[Effect of a permanent magnetic field on the course of the postoperative period and consolidation of ununited fractures and pseudarthroses of the long tubular bones] Savel'ev VN, et al. **Ortop Travmatol Protez** 1980 Aug; (8):5–7 (Eng. Abstr.) **(Rus)**

[Post-extraction management of the patient] Gubaidulina EIa, et al. **Stomatologiia (Mosk)** 1981 May–Apr;60(2):81–2 **(Rus)**

[Infusion therapy after a cadaveric kidney transplant] Baran EIa, et al. **Urol Nefrol (Mosk)** 1981 Jul–Aug;(4):14–8 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of 2 parenteral feeding programs for laryngeal cancer patients in the early postoperative period] Seniukov MV, et al. **Vestn Akad Med Nauk SSSR** 1980;(8):58–61 (Eng. Abstr.) **(Rus)**

[Transverse ilioperineal drainage after simultaneous operations on the rectum] Amelina OP, et al. **Vestn Khir** 1981 Feb;126(2):45–7 (Eng. Abstr.) **(Rus)**

[Postoperative antithrombotic therapy in acute occlusion of the major arteries of the extremities] Il'in VN, et al. **Vestn Khir** 1980 Sep;125(9):7–13 (Eng. Abstr.) **(Rus)**

[Prolonged peridural anesthesia in the postoperative period in children] Kondrat'ev AN, et al. **Vestn Khir** 1981; 126(5):127–9 **(Rus)**

[Use of diagnostic and therapeutic fiber endoscopy in the immediate postoperative period] Matveev NK, et al. **Vestn Khir** 1981 Feb;126(2):16–9 (Eng. Abstr.) **(Rus)**

[Elastic glove-type device for preventing and treating edema of the upper extremity after mastectomy] Pronin VI, et al. **Vestn Khir** 1981 Apr;126(4):127–8 **(Rus)**

[Effectiveness of isoglaucon after glaucoma operations] Alekseev BN, et al. **Vestn Oftalmol** 1981 Mar–Apr;(2):12–3 (Eng. Abstr.) **(Rus)**

[Use of medical gymnastics after spinal operations by employing a bedstead gymnastic partition] Pustovoitenko VT. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Mar–Apr; (2):69–71 **(Rus)**

[Combined use of drug administration and galvanization for the prevention and treatment of the complications after lung operations] Sokolov SB, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1980 Sep–Oct;(5):10–2 (Eng. Abstr.) **(Rus)**

[Sinusoidal modulated currents in the overall treatment of children after open reduction of congenital hip dislocation] Vadbol'skaia ZI, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1980 Jul–Aug;(4):50–3 (Eng. Abstr.) **(Rus)**

[Selection for health resort treatment of patients who have undergone radical surgery for stomach cancer] Gerasimenko VN, et al. **Vopr Onkol** 1981;27(7):86–9 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Reducing post-operative hospital stays. Hersey F, et al. **Dimens Health Serv** 1980 Mar;57(3):22–3

STANDARDS

Is RR nurse liable for patient injury in understaffed unit? Regan WA. **AORN J** 1980 Sep;32(3):465, 468

[Artificial respiration and infection in postoperative intensive care] Adam D. **Intensivmed Prax** 1979;(2):29–32 **(Ger)**

[Weaning from respirator (author's transl)] Kubota T. **Kokyu To Junkan** 1980 Sep;28(9):999–1005 **(Jpn)**

VETERINARY

Problems of anaesthesia in laboratory animals. **Vet Rec** 1981 Apr 4;108(14):293–4

POSTOPERATIVE COMPLICATIONS

Results of postoperative clinical examination of inguinal hernia after three years. Cahlin E, et al. **Acta Chir Scand** 1980;146(6):421–6

Complications of aortofemoral graft reconstructions. Vänttinen E, et al. **Acta Chir Scand** 1981;147(1):19–23

The incidence of fecal fistula following exploratory laparotomy and appendicectomy in patients with ileocolic Crohn's disease. Hellers G, et al. **Acta Chir Scand [Suppl]** 1980;Suppl 500:37–8

Accidental drainage of ovarian cyst into superior vena cava. Muhrbeck O, et al. **Acta Chir Scand [Suppl]** 1980;Suppl 500:95–6

Intestinal metaplasia in the gastric remnant following resection for benign ulcer disease: a comparison between morphology and histochemistry. Ost A, et al. **Acta Chir Scand [Suppl]** 1980;Suppl 500:23–7

Aortoduodenal fistula after surgery for renal artery stenosis. Takolander RJ, et al. **Acta Chir Scand [Suppl]** 1980; 502:137–40

Rational treatment of hypotension after carotid endarterectomy by carotid sinus nerve blockade. Tydén G, et al. **Acta Chir Scand [Suppl]** 1980;Suppl 500:61–4

Posttraumatic arachnoidal diverticula. Cilluffo JM, et al. **Acta Neurochir (Wien)** 1980;54(1–2):77–87

Paraplegia complicating intracranial decompressive operations. Lozada LL, et al. **Acta Neurochir (Wien)** 1980; 54(1–2):71–6

Anterior pupillary block. Lazar M, et al. **Acta Ophthalmol (Copenh)** 1981 Apr;59(2):221–4

The anterior tibial compartmental syndrome, complicating a fracture of the tibial shaft and a proximal fibular exostosectomy. De Clercq DP, et al. **Acta Orthop Belg** 1980 Mar–Apr;46(2):157–62

Nonexpandable lung after drainage of pneumothorax. Galvis AG, et al. **AJR** 1981 Jun;136(6):1224–6

Propionibacterium acnes central nervous system shunt infection. Commercial blood culture medium–dependent isolation of the bacterium. Strand CL, et al. **Am J Clin Pathol** 1981 May;75(5):743–6

Postoperative complications after right colonic resections for inflammatory bowel disease and carcinoma. Slater G, et al. **Am J Gastroenterol** 1980 Dec;74(6):516–8

Gastric gland metaplasia after jejunoileal by-pass surgery for morbid obesity. Yokoyama I, et al. **Am J Gastroenterol** 1980 Apr;73(4):341–4

Risk factors associated with infection following cesarean section. Hawrylyshyn PA, et al. **Am J Obstet Gynecol** 1981 Feb 1;139(3):294–8

Detrusor muscle instability--a complication of surgery? Jarvis GJ. **Am J Obstet Gynecol** 1981 Jan 15;139(2):219

Etiology of pelvic infections treated by the gynecologic service of the Kasturba Hospital, Delhi, India. Kochar M. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 2):872–4

Squamous cell carcinoma of the vagina following hysterectomy. Stuart GC, et al. **Am J Obstet Gynecol** 1981 Feb 1;139(3):311–5

Life-threatening hemorrhage complicating sacral colpopexy. Sutton GP, et al. **Am J Obstet Gynecol** 1981 Aug 1; 140(7):836–7

Posthysterectomy enterocele and vaginal vault prolapse. Symmonds RE, et al. **Am J Obstet Gynecol** 1981 Aug 15; 140(8):852–9

Significance of intrauterine adhesions detected hysteroscopically in eumenorrheic infertile women and role of antecedent curettage in their formation. Taylor PJ, et al. **Am J Obstet Gynecol** 1981 Feb 1;139(3):239–42

Postoperative accumulation of bone in the middle ear: effect on hearing and surgical implications. Brooks RC, et al. **Am J Otol** 1980 Oct;2(2):168–9

Surgery of the only functioning vestibular end-organ: a case report. Hybels RL. **Am J Otol** 1980 Apr;1(4):236–7

The facial nerve. May M. **Am J Otol** 1981 Apr;2(4):408

Sexual implications of bowel diversion. Wabrek AJ, et al. **Am J Proctol Gastroenterol Colon Rectal Surg** 1980 Aug; 31(8):23–7

Complications after percutaneous transluminal angioplasty. Connolly JE, et al. **Am J Surg** 1981 Jul;142(1):60–6

Hemorrhage from ileal varices after total proctocolectomy. Cooper MJ, et al. **Am J Surg** 1981 Jan;141(1):178–9

Gallstones after vagotomy. Ihasz M, et al. **Am J Surg** 1981 Jan;141(1):48–50

Bleomycin therapy and anaesthesia. The possible hazards of oxygen administration to patients after treatment with bleomycin. Allen SC, et al. **Anaesthesia** 1981 Jan;36(1):60–3

Hyperkalaemia presenting as ventilatory failure. Barker GL. **Anaesthesia** 1980 Sep;35(9):885–6

Prolonged neuromuscular blockade following trimetaphan infusion. A case report and in vitro study of cholinesterase inhibition. Nakamura K, et al. **Anaesthesia** 1980 Dec; 35(12):1202–7

Postoperative hyperkalaemia in anuric diabetics [letter] Wilkes RG. **Anaesthesia** 1981 Jul;36(7):715–6

Spinal subdural epiarachnoid hematoma: a complication of a novel epidural blood patch technique. Reynolds AF Jr, et al. **Anesth Analg (Cleve)** 1980 Sep;59(9):702–3

Airway obstruction following surgical manipulation of the posterior cranial fossa, an unusual complication. Gorski DW, et al. **Anesthesiology** 1981 Jan;54(1):80–1

What are the real factors associated with postoperative sore throat? [letter] Youngberg JA. **Anesthesiology** 1981 Feb; 54(2):171–2

Recurrent systemic lupus erythematosus involving renal allografts. Amend WJ Jr, et al. **Ann Intern Med** 1981 Apr; 94(4 pt 1):444–8

Cutaneous lesions after intestinal bypass. Drenick EJ, et al. **Ann Intern Med** 1980 Oct;93(4):557–9

Neoglottic reconstruction following total laryngectomy. A reappraisal. Leipzig B. **Ann Otol Rhinol Laryngol** 1980 Nov–Dec;89(6 Pt 1):534–7

Osteomyelitis of the skull following scalp reduction and hair plug transplantation. Jones JW, et al. **Ann Plast Surg** 1980 Dec;5(6):480–2

Gastric stump carcinoma after surgery for gastroduodenal ulcer. Lygidakis NJ. **Ann R Coll Surg Engl** 1981 May; 63(3):203–5

Isolated regional lymph node dissection: morbidity, mortality and economic considerations. Bland KI, et al. **Ann Surg** 1981 Mar;193(3):372–6

Factors contributing to recurrent lower limb ischemia following bypass surgery for aortoiliac occlusive disease, and their management. Robbs JV, et al. **Ann Surg** 1981 Mar;193(3):346–52

Postoperative stroke in cardiac and peripheral vascular disease. Turnipseed WD, et al. **Ann Surg** 1980 Sep; 192(3):365–8

Spontaneous degeneration of porcine bioprosthetic valves. Magilligan DJ Jr, et al. **Ann Thorac Surg** 1980 Sep; 30(3):259–66

Complications of intrathoracic Nissen fundoplication. Mansour KA, et al. **Ann Thorac Surg** 1981 Aug;32(2):173–8

Unilateral palpable purpura. A manifestation of septic emboli from an infected aortofemoral bypass graft eroding the jejunum. Goette DK. **Arch Dermatol** 1981 Jul;117(7):430–1

Pretibial myxedema [letter] Matsuoka LY, et al. **Arch Dermatol** 1981 May;117(5):250–1

Guillain-Barré-like Polyneuropathy after renal transplant: possible association with cytomegalovirus infection. Bale JF Jr, et al. **Arch Neurol** 1980 Dec;37(12):784

Lesions simulating serous detachment of the pigment epithelium. Occurrence after retinal detachment surgery. Avins LR, et al. **Arch Ophthalmol** 1980 Aug;98(8):1427–9

Visual images observed after enucleation [letter] Gillmor CS. **Arch Ophthalmol** 1981 Aug;99(8):1468

Corneal edema secondary to vitreocorneal contact. Leibowitz HM, et al. **Arch Ophthalmol** 1981 Mar; 99(3):417–21

Aetiological factors in non-union following Küntscher intramedullary nailing of the femur. Eid AM, et al. **Arch Orthop Trauma Surg** 1980;96(3):213–20

Persistent hoarseness after surgical removal of vocal cord lesions. Baker BM, et al. **Arch Otolaryngol** 1981 Mar; 107(3):148–51

Otolaryngology and von Willebrand's disease. Gumprecht TF, et al. **Arch Otolaryngol** 1981 Aug;107(8):491–3

Chronic ear infection in the immunodeficient patient. Sasaki CT, et al. **Arch Otolaryngol** 1981 Feb;107(2):82–6

Tuberculoid cornstarch granulomas with caseous necrosis. A diagnostic challenge. Nissim F, et al. **Arch Pathol Lab Med** 1981 Feb;105(2):86–8

Chronic interstitial nephritis. Its occurrence with oxalosis and anti-tubular basement membrane antibodies after jejunoileal bypass. Zawada ET Jr, et al. **Arch Pathol Lab Med** 1981 Jul;105(7):379–83

Choledochoduodenostomy: importance of common duct size and occurrence of cholangitis. Kraus MA, et al. **Arch Surg** 1980 Oct;115(10):1212–3

Postoperative intussusception in the adult: a previously unrecognized entity? Sarr MG, et al. **Arch Surg** 1981 Feb; 116(2):144–8

Roux-en-Y operation in the management of postoperative fistula. Ujiki GT, et al. **Arch Surg** 1981 May;116(5):614–7

Endocarditis due to an atypical mycobacterium following porcine heart valve replacement. Lombardo JA, et al. **Aust NZ J Med** 1980 Aug;10(4):432–4

Postcoital posthysterectomy vaginal vault disruption with haemorrhagic shock. Hacker NF, et al. **Aust NZ J Obstet Gynaecol** 1980 Aug;20(3):182–4

Fallopian tube prolapse after abdominal hysterectomy. Thomson JD. **Aust NZ J Obstet Gynaecol** 1980 Aug; 20(3):187–8

Alcohol tolerance and gastric emptying after replacement of the oesophagus with the stomach. Lam KH, et al. **Aust NZ J Surg** 1980 Oct;50(5):542–5

Nutritional status and postoperative complications in an Australian hospital. Marshman R, et al. **Aust NZ J Surg** 1980 Oct;50(5):516–9

Fixed subaortic stenosis after repair of ostium primum defects. Taylor NC, et al. **Br Heart J** 1981 Jun;45(6):689–97

Mechanical haemolytic anaemia after valve repair operations for non-rheumatic mitral regurgitation. Warnes C, et al. **Br Heart J** 1980 Oct;44(4):381–5

Is ischaemia a possible factor in the aetiology of bile duct stricture? Benson EA. **Br J Clin Pract** 1981 Mar; 35(3):97–104

Stricture of the descending colon following low anterior resection of the rectum. Bullen BR. **Br J Clin Pract** 1981 Jan;35(1):55–6

Deep vein thrombosis and changes in coagulation and fibrinolysis after gynaecological operations in Chinese: the effect of oral contraceptives and malignant disease. Tso SC, et al. **Br J Haematol** 1980 Dec;46(4):603–12

Athalamia as a late complication after keratoplasty on aphakic eyes. Gnad HD. **Br J Ophthalmol** 1980 Jul; 64(7):528–30

Staphylococcus epidermidis endophthalmitis following intraocular lens implantation. Schanzlin DJ, et al. **Br J Ophthalmol** 1980 Sep;64(9):684–6

Late complications of pterygium treatment. Tarr KH, et al. **Br J Ophthalmol** 1980 Jul;64(7):496–505

Survival of a free flap after 20 hours of immediate post-operative venous occlusion. McKee NH, et al. **Br J Plast Surg** 1980 Jul;33(3):361–4

Cholelithiasis following peptic ulcer surgery: a prospective controlled study. Anderson JR, et al. **Br J Surg** 1980 Sep; 67(9):618–20

Aorto-duodenal and subsequent aorto-colonic fistula following operation for ruptured aortic aneurysm. Cranston D, et al. **Br J Surg** 1980 Sep;67(9):649–50

Arteriovenous fistula following lumbar disc surgery. May AR, et al. **Br J Surg** 1981 Jan;68(1):41–3

The significance of urine leak after pyeloplasty. Walsh A, et al. **Br J Urol** 1980 Jun;52(3):187–8

Renal aneurysms in rejected renal transplants [letter] Hemingway AP, et al. **Br Med J** 1980 Dec 13; 281(6255):1640–1

Fluid absorption during transurethral resection. Osborn DE, et al. **Br Med J** 1980 Dec 6;281(6254):1549–50

After gastrectomy [letter] **Br Med J [Clin Res]** 1981 May 2;282(6274):1471–2

Possible transmission of malaria by renal transplantation. Johnston ID. **Br Med J [Clin Res]** 1981 Mar 7;282(6266):780

Acute ulceration of ileal stoma due to Campylobacter fetus subspecies jejuni. Meuwissen SG, et al. **Br Med J [Clin Res]** 1981 Apr 25;282(6273):1362

Late benign intrathoracic gastric perforation after oesophagectomy for carcinoma. Peters JL, et al. **Br Med J [Clin Res]** 1981 May 9;282(6275):1512–3

Colonisation of ventriculoatrial shunt with Brucella abortus. Puri P, et al. **Br Med J [Clin Res]** 1981 May 30; 282(6278):1754–5

Transcervical thymectomy and thymus remnants. Rosenberg M, et al. **Br Med J [Clin Res]** 1981 May 16;282(6276):1583–4

Strongyloides stercoralis infection in renal transplant recipients. Weller IV, et al. **Br Med J [Clin Res]** 1981 Feb 14;282(6263):524

Case report: intraoperative system tumor embolism. Shankar PS. **CA** 1981 Mar–Apr;31(2):111–3

Chlamydia trachomatis peritonitis and ascites following appendectomy. Lannigan R, et al. **Can Med Assoc J** 1980 Aug 23;123(4):295–6

Hypertensive encephalopathy as a complication of femoral lengthening. Miller A, et al. **Can Med Assoc J** 1981 Feb 1;124(3):296–7

Latent pulmonary embolus from a retroperitoneal sarcoma. Arbeit JM, et al. **Cancer** 1980 Sep 15;46(6):1492–8

Tolerance of surgery after radical radiotherapy of carcinoma of the oropharynx. Marcial VA, et al. **Cancer** 1980 Nov 1;46(9):1910–2

Postoperative tetralogy of Fallot. Garson A Jr, et al. **Cardiovasc Clin** 1981;11(2):407–29

Late postoperative concerns in adults with congenital heart disease. Perloff JK. **Cardiovasc Clin** 1981;11(2):431–47 (79 ref.)

Rupture of the tricuspid valve associated with disruption of De Vega's annuloplasty. Nuñez L, et al. **Chest** 1981 Jan; 79(1):111–3

Aortorenal vein graft stenosis causing recurrent hypertension; repair with a temporary shunt. Anton GE, et al. **Cleve Clin Q** 1980 Winter;47(4):321–6

Does vesicoureteric reflux result in renal allograft failure? McMorrow RG, et al. **Clin Nephrol** 1980 Aug;14(2):89–91

Intracranial sarcoidosis. Postoperative cranial nerve involvement. Luyendijk W, et al. **Clin Neurol Neurosurg** 1980;82(4):223–7

Postoperative complications. Hibbard BM. **Clin Obstet Gynaecol** 1980 Dec;7(3):639–64 (22 ref.)

Postoperative adhesions: etiology, prevention, and therapy. Levinson CJ, et al. **Clin Obstet Gynecol** 1980 Dec; 23(4):1213–20 (25 ref.)

Post-fracture avascular necrosis of the femoral head: correlation of experimental and clinical studies. Calandruccio RA, et al. **Clin Orthop** 1980 Oct;(152):49–84

The intra-articular effect of various postoperative managements following knee ligament repair: an experimental study in dogs. Ogata K, et al. **Clin Orthop** 1980 Jul–Aug;(150):271–6

Entrapped foreign body within the acetabular cup in total hip replacement. Vakili F, et al. **Clin Orthop** 1980 Jul–Aug; (150):159–62

Delayed Serratia empyema post pneumonectomy treated with thoracoplasty and muscle flap. Zilberstein BS, et al. **Conn Med** 1981 Jun;45(6):353–5

Management of cardiac disease in the general surgical patient. Salem DN, et al. **Curr Probl Cardiol** 1980 May;5(2):1–41 (139 ref.)

Bacterial infections after renal transplantation. Relationship between pre-transplant bacterial culture and post-transplant infection. Rømer FK, et al. **Dan Med Bull** 1980 Dec 6;27(6):266–9

Post-operative neuropathic fractures in patients with myelomeningocele. Drummond DS, et al. **Dev Med Child Neurol** 1981 Apr;23(2):147–50

Fatal fulminant postoperative pulmonary edema: an unusual cause of second-trimester maternal mortality. Erling MA, et al. **Diagn Gynecol Obstet** 1980 Fall;2(3):209–12

Arterial hypertension treated by angioplasty (Dotter). A serious complication. Schuur KH, et al. **Diagn Imaging** 1981;50(1):47–51

Fatal clostridial infection following hemorrhoidal banding. O'Hara VS. **Dis Colon Rectum** 1980 Nov–Dec;23(8):570–1

Morbidity and mortality following intraperitoneal closure of transverse loop colostomy. Rosen L, et al. **Dis Colon Rectum** 1980 Oct;23(7):508–12

Gallstone ileus after endoscopic sphincterotomy. Halter F, et al. **Endoscopy** 1981 Mar;13(2):88–9

Effect of intestinal surgery on the risk of urinary stone formation. Bambach CP, et al. **Gut** 1981 Apr;22(4):257–63

Low serum levels of 1.25-dihydroxyvitamin D and histomorphometric evidence of osteomalacia after jejunoileal bypass for obesity. Mosekilde L, et al. **Gut** 1980 Jul;21(7):624–31

Obstructive uropathy after pan-proctocolectomy for ulcerative colitis. Wilson MC, et al. **Gut** 1980 Sep; 21(9):808–9

Perioperative influences on infectious morbidity in radical hysterectomy. Mann WJ Jr, et al. **Gynecol Oncol** 1981 Apr; 11(2):207–12

Infectious morbidity associated with pelvic exenteration. Morgan LS, et al. **Gynecol Oncol** 1980 Dec;10(3):318–28

Malabsorption following aorto-femoral bypass. Berry EM, et al. **Hepatogastroenterology** 1980 Apr;27(2):150–1

Postoperative pleural effusion caused by dextran. Adoni A, et al. **Int J Gynaecol Obstet** 1980;18(4):243–4

Postoperative morbidity of eclamptic patients delivered by cesarean section. Ekwempu CC, et al. **Int J Gynaecol Obstet** 1980;18(6):468–9

Mustard's operation for transposition of the great arteries and the incidence of cardiac arrhythmias. Lam LK, et al. **Ir Med J** 1980 Dec;73(12):458–62

Fiber implantation for pattern baldness. Review of complications in forty-one patients. Hanke CW, et al. **J Am Acad Dermatol** 1981 Mar;4(3):278–83

Bilateral pupillary block [letter] Flom L. **J Am Intraocul Implant Soc** 1980 Oct;6(4):369

The results of lens implantation in eyes with operative loss of vitreous. Jaffe NS, et al. **J Am Intraocul Implant Soc** 1980 Jul;6(3):243–5

Computerization of intraocular lens data. Sanders DR, et al. **J Am Intraocul Implant Soc** 1980 Apr;6(2):156–9

Mimocausalgia. Black JR. **J Am Podiatry Assoc** 1980 Aug; 70(8):430–2

Clinical review of patients with broken Harrington rods. Erwin WD, et al. **J Bone Joint Surg [Am]** 1980 Dec; 62(8):1302–7

Avascular necrosis following treatment of congenital dislocation of the hip. Kalamchi A, et al. **J Bone Joint Surg [Am]** 1980 Sep;62(6):876–88

Spherocentric arthroplasty of the knee. Clinical experience with an average four-year follow-up. Kaufer H, et al. **J Bone Joint Surg [Am]** 1981 Apr;63A(4):545–59

Resection arthroplasty following infected total hip arthroplasty. Petty W, et al. **J Bone Joint Surg [Am]** 1980 Sep;62(6):889–96

Dislocation following total hip replacement. Ali Khan MA, et al. **J Bone Joint Surg [Br]** 1981;63-B(2):214–8

Spontaneous, post-operative and traumatic chylothorax. Servelle M, et al. **J Cardiovasc Surg (Torino)** 1980 Jul–Aug; 21(4):475–86

The outlook after total colectomy in patients with Crohn's colitis and ulcerative colitis. Vender RJ, et al. **J Clin Gastroenterol** 1979 Sep;1(3):209–17

Progressive renal failure in surgically treated hyperparathyroidism. Dixon J, et al. **J Clin Pathol** 1981 Jul;34(7):730–7

Tumor conference 33. Persistent postsurgical cutaneous ulcers. Bart RS, et al. **J Dermatol Surg Oncol** 1981 Jan; 7(1):18–9

A surgical complication: allergic reaction to bone wax. Julsrud ME. **J Foot Surg** 1980 Fall;19(3):152–4

Functional and metabolic effects after vagotomy and gastrojejunostomy for chronic duodenal ulcer. Chakrabarty PB, et al. **J Indian Med Assoc** 1980 Apr 16;74(8):145–8

Secondary ischemia: ischemic problems following vascular reconstruction. Bosiljevac JE, et al. **J Kans Med Soc** 1981 Jul;82(7):346–8 (10 ref.)

Constrictive pericarditis following heart surgery. Sohi GS, et al. **J Ky Med Assoc** 1981 Aug;79(8):491–4

Post-operative hypoglycaemia in children undergoing adenotonsillectomy. Capper JW. **J Laryngol Otol** 1981 May;95(5):519–21

Clinical records late onset sensorineural hearing loss following stapedectomy (an uncommon cause). Drake-Lee A. **J Laryngol Otol** 1981 Jul;95(7):739–44

Blindness as a complication of rhinosurgery. Plate S, et al. **J Laryngol Otol** 1981 Mar;95(3):317–22

Gustatory otorrhoea due to misdirection of regenerated nerve fibres. Soni NK, et al. **J Laryngol Otol** 1981 Aug; 95(8):859–62

Acute osteomyelitis of the pubic bone following pelvic surgery. Ozoktay S, et al. **J Natl Med Assoc** 1981 Feb; 73(2):161–3

Intracavernous aneurysm of the carotid artery following transsphenoidal surgery. Case report. Cabezudo JM, et al. **J Neurosurg** 1981 Jan;54(1):118–21

Late postoperative tension pneumatocele. Case report. Vaquero J, et al. **J Neurosurg** 1981 Jul;55(1):145–6

Malfunctioning ventriculoperitoneal shunt due to extrusion of the abdominal catheter into the scrotum. Villarejo FJ, et al. **J Neurosurg Sci** 1980 Jul–Dec;24(3–4):187–9

Hypertension in the neonate following closure of abdominal wall defects. Adelman RD, et al. **J Pediatr** 1980 Oct; 97(4):642–4

The diagnosis and management of the superior rectus suspension syndrome. Gillum WN, et al. **J Pediatr Ophthalmol Strabismus** 1981 Jul–Aug;18(4):25–36

Bladder outlet obstruction after operation for ureterocele. Ashcraft KW, et al. **J Pediatr Surg** 1979 Dec;14(6):819–24

Obstruction of the suprahepatic inferior vena cava as a complication of giant omphalocele repair. Carlton GR, et al. **J Pediatr Surg** 1979 Dec;14(6):733–4

Biliary flora and antimicrobial concentrations after Kasai's operation. Hitch DC, et al. **J Pediatr Surg** 1979 Dec; 14(6):648–52

Patterns of gastroesophageal reflux in children following repair of esophageal atresia and distal tracheoesophageal fistula. Jolley SG, et al. **J Pediatr Surg** 1980 Dec; 15(6):857–62

Adverse effects of endotoxin following massive distal bowel resection. Malangoni MA, et al. **J Pediatr Surg** 1979 Dec; 14(6):708–12

The effect of overdistention of the lung on pulmonary function in beagle puppies. Raffensperger JG, et al. **J Pediatr Surg** 1979 Dec;14(6):757–60

Tracheal compression as a cause of apnea following repair of tracheoesophageal fistula: treatment by aortopexy. Schwartz MZ, et al. **J Pediatr Surg** 1980 Dec;15(6):842–8

Vitamin D deficiency rickets as a late complication of the short gut syndrome during infancy. Touloukian RJ, et al. **J Pediatr Surg** 1981 Jun;16(3):230–5

Late mucosal ball valve obstruction of a Billroth I anastomosis. Bucknall TE, et al. **J R Soc Med** 1980 Aug; 73(8):591–2

Complications in the recovery room. Eltringham RJ. **J R Soc Med** 1979 Apr;72(4):278–80

Complications of a large pharyngeal pouch. McArthur JC. **J R Soc Med** 1980 Nov;73(11):829–30

Ophthalmic complications of craniofacial surgery. Matthews DN. **J R Soc Med** 1979 Jan;72(1):19–20

Laparotomy. Pollock AV. **J R Soc Med** 1981 Jul;74(7):480–4

Postoperative urinary tract infections in urology and gynaecology: a review. Slade N. **J R Soc Med** 1980 Oct; 73(10):739–43

Urethral carcinoma following urethroplasty. Williams G, et al. **J R Soc Med** 1980 May;73(5):370–1

Causes of failed reconstructive tubal microsurgery. Gomel V. **J Reprod Med** 1980 Jun;24(6):239–43

Is there a lower incidence of deep venous thrombosis after joint replacement in rheumatoid arthritis? Buchanan RR, et al. **J Rheumatol** 1980 Jul–Aug;7(4):551–4

Adenoid involution and developing hypernasality in cleft palate. Mason RM, et al. **J Speech Hear Disord** 1980 Nov; 45(4):469–80

Legionnaires' disease in the postoperative patient. Serota AI, et al. **J Surg Res** 1981 May;30(5):417–27

Thoracotomy in patients over age seventy years: ten-year experience. Breyer RH, et al. **J Thorac Cardiovasc Surg** 1981 Feb;81(2):187–93

Bronchopleural fistula following pneumonectomy for carcinoma of the bronchus: mechanical stapling versus hand suturing. Forrester-Wood CP. **J Thorac Cardiovasc Surg** 1980 Sep;80(3):406–9

'Stone heart' in a neonate. Opie JC, et al. **J Thorac Cardiovasc Surg** 1981 Mar;81(3):459–63

Pathological substrates of thrombus formation after heart valve replacement with the Hancock bioprosthesis. Thiene G, et al. **J Thorac Cardiovasc Surg** 1980 Sep;80(3):414–23

Brachial plexus injury following median sternotomy. Vander Salm TJ, et al. **J Thorac Cardiovasc Surg** 1980 Sep; 80(3):447–52

Recanalization of a saphenous vein interposition venous graft. Blumoff RL, et al. **J Trauma** 1981 May;21(5):407–8

Complications of transurethral resection of bladder tumors: prevention, recognition and treatment. Dick A, et al. **J Urol** 1980 Dec;124(6):810–1

Complications of retroperitoneal lymph node dissection. Donohue JP, et al. **J Urol** 1981 Mar;125(3):338–40

Nephrostomy drainage for renal transplant complications. Goldstein I, et al. **J Urol** 1981 Aug;126(2):159–63

Percutaneous nephrostomy and ureteral injury. Persky L, et

al. **J Urol** 1981 Mar;125(3):298–300
Postoperative deterioration in psychomotor function. Edwards H, et al. **JAMA** 1981 Apr 3;245(13):1342–3
Complications associated with ambulatory surgery. Natof HE. **JAMA** 1980 Sep 5;244(10):1116–8
Complications of total hip replacement. Heist KP. **JAOA** 1981 Jan;80(5):356–65
Recovery following prolonged postoperative renal failure. Lawson JE, et al. **JAOA** 1981 Feb;80(6):403–4
Two-dimensional echocardiographic diagnosis of a prolapsing aortic root aneurysm after aortic valve replacement. Matsumoto M, et al. **JCU** 1980 Dec; 8(6):504–10
Haemolysis following repair of subpulmonic ventricular septal defect with pulmonic stenosis. Anzai N, et al. **Jpn Circ J** 1980 Nov;44(11):899–902
Long-term results of the patients followed over 5 years after mitral valve surgery. Kawashima Y, et al. **Jpn Circ J** 1980 Nov;44(11):923–30
Long-term results of surgery on aortic valve diseases. Wada J. **Jpn Circ J** 1980 Nov;44(11):931–6
Delayed appearance of intra-abdominal seromas and haematomas after surgery [letter] Gelb AM, et al. **Lancet** 1981 Jun 13;1(8233):1311–2
Sensorineural hearing loss in the unoperated-on otosclerotic ear. DuVall MB, et al. **Laryngoscope** 1981 Feb; 91(2):197–204
Spontaneous return of facial motion following seventh cranial nerve resection. Norris CW, et al. **Laryngoscope** 1981 Feb; 91(2):211–5
Unilateral sudden hearing loss after open heart surgery: a detailed study of seven cases. Plasse HM, et al. **Laryngoscope** 1981 Jan;91(1):101–9
Frey's syndrome: incidence related to skin flap thickness in parotidectomy. Singleton GT, et al. **Laryngoscope** 1980 Oct;90(10 Pt 1):1636–9
Rapid postoperative thoracotomy for torsion of the left lower lobe: case report. Livaudais W Jr, et al. **Milit Med** 1980 Oct;145(10):698–9
The groin flap: report of a case of complications in the donor site. Williams G, et al. **Mt Sinai J Med (NY)** 1981 Jan–Feb; 48(1):63–5
Pulmonary infection with M. kansasii in a renal transplant patient. Cruz N, et al. **Nephron** 1980;26(4):187–8
Gastric carcinoma in a renal allograft recipient. Van der Vliet JA, et al. **Neth J Med** 1980;23(6):252–5
Cerebellar hemorrhage complicating cervical laminectomy. Chadduck WM. **Neurosurgery** 1981 Aug;9(2):185–9
Studies on postoperative pulmonary complications after surgery for esophageal cancer : especially the relationship between the vagus nerve and the pulmonary complication. Part 2 : Experimental investigation. Murakami T. **Nippon Geka Hokan** 1979 Mar 1;48(2):135–59
Clostridium perfringens septicemia following cesarean section. Mariona FG, et al. **Obstet Gynecol** 1980 Oct; 56(4):518–21
Risk factors for febrile morbidity associated with cesarean section. Rehu M, et al. **Obstet Gynecol** 1980 Sep; 56(3):269–73
Cervical stenosis following minor gynecologic procedures on DES-exposed women. Schmidt G, et al. **Obstet Gynecol** 1980 Sep;56(3):333–5
Late results of congenital cataract surgery. Francois J. **Ophthalmology (Rochester)** 1979 Sep;86(9):1586–98
An analysis and interpretation of refractive errors after penetrating keratoplasty. Perlman EM. **Ophthalmology (Rochester)** 1981 Jan;88(1):39–45
Peristomal recurrence: pathophysiology, prevention, treatment. Davis RK, et al. **Otolaryngol Clin North Am** 1980;13(3):499–508
Comparison of active and passive adhering leads for endocardial pacing. Furman S, et al. **PACE** 1979 Jul; 2(4):417–27
Air entrapment as a cause of transient cardiac pacemaker malfunction. Kreis DJ Jr, et al. **PACE** 1979 Nov;2(6):641–4
Early complications of key grip hand surgery for tetraplegia. Smith AG. **Paraplegia** 1981;19(2):123–6
Fibrous lesion of the bowel complicating the management of bilateral Wilms' tumor. Mahboubi S, et al. **Pediatr Radiol** 1981;11(1):49–51
Postoperative pericardial effusion and its relation to postpericardiotomy syndrome. Clapp SK, et al. **Pediatrics** 1980 Oct;66(4):585–8
Loss of vision associated with surgical treatment of zygomatic-orbital floor fracture. Lederman IR. **Plast Reconstr Surg** 1981 Jul;68(1):94–9
The use of cross-leg flap in malignancy: realization of a potential complication. Sherman JE, et al. **Plast Reconstr Surg** 1981 Feb;67(2):230–3
Staphylococcal septicaemia, endocarditis, and osteomyelitis in dialysis and renal transplant patients. Nicholls A, et al. **Postgrad Med J** 1980 Sep;56(659):642–8
Splenic peliosis associated with rupture in a renal transplant patient. Parsons MA, et al. **Postgrad Med J** 1980 Nov; 56(661):796–7
Renal allograft function and cytomegaly. Jirka J, et al. **Proc Eur Dial Transplant Assoc** 1980;17:407–12
Hypertension following renal transplantation: the role of the host's kidney. McHugh MI, et al. **Q J Med** 1980 Autumn; 49(196):395–403
Ultrasonographic screening of the common hepatic duct in symptomatic patients after cholecystectomy. Graham MF, et al. **Radiology** 1981 Jan;138(1):137–9
Stress fractures of the inferior pubic ramus following hip surgery. Resnick D, et al. **Radiology** 1980 Nov;137(2):335–8
Retrograde jejunogastric intussusception. Bundrick TJ, et al. **Rev Interam Radiol** 1981 Jan;6(1):21–4
Circumclusion of atrial septal defect in elderly patients. Lomholt P. **Scand J Thorac Cardiovasc Surg** 1980; 14(2):159–63
Difference in kidney stone incidence after three types of intestinal bypass operations. Backman L, et al. **Scand J Urol Nephrol [Suppl]** 1980;53:149–57
Tuberculous meningitis following pericardiectomy for constrictive pericarditis. Ellis ME, et al. **Scott Med J** 1981 Jan;26(1):62–4
Infection after depressed fracture in the west of Scotland. Sande GM, et al. **Scott Med J** 1980 Jul;25(3):227–9
Gross hematuria caused by ureteral remnant hemorrhage in a renal transplant recipient. Dumler F. **South Med J** 1981 Jan;74(1):81–2
Osteomyelitis of the pubis. Fuselier HA Jr, et al. **South Med J** 1980 Dec;73(12):1649–50
Femoral neuropathy after renal transplantation. Sisto D, et al. **South Med J** 1980 Nov;73(11):1464–6
Low-back pain following multiple lumbar spine procedures. Failure of initial selection? Spengler DM, et al. **Spine** 1980 Jul–Aug;5(4):356–60
Aspiration pneumonia. Broe PJ, et al. **Surg Clin North Am** 1980 Dec;60(6):1551–64
Acute renal failure in cardiovascular and other surgical patients. Geha AS. **Surg Clin North Am** 1980 Oct; 60(5):1151–66
Surgically created nutritional problems. Hill GL. **Surg Clin North Am** 1981 Jun;61(3):721–8
Tracheotomy and its problems. Kirchner JA. **Surg Clin North Am** 1980 Oct;60(5):1093–1104
Neurovesical dysfunction after abdominoperineal resection. McGuire EJ. **Surg Clin North Am** 1980 Oct;60(5):1207–13
Thrombosis of the portal vein following splenectomy for myeloid metaplasia. Broe PJ, et al. **Surg Gynecol Obstet** 1981 Apr;152(4):488–92
Peripheral and midbrain oculomotor palsies from operations for basilar bifurcation aneurysm in a series of 31 cases. Cruciger MP, et al. **Surg Neurol** 1981 Mar;15(3):215–6
Anastomotic aneurysms following lower extremity revascularization. Nichols WK, et al. **Surgery** 1980 Sep; 88(3):366–74
Arterial injury during perfusion preservation: a possible cause of posttransplantation renal artery stenosis. Oakes DD, et al. **Surgery** 1981 Feb;89(2):210–5
The relationship of postoperative hypertension to complications following carotid endarterectomy. Towne JB, et al. **Surgery** 1980 Oct;88(4):575–80
Postoperative myocardial infarction: a prospective study in a risk group of surgical patients. von Knorring J. **Surgery** 1981 Jul;90(1):55–60
Predicting the need for postcardiotomy intraaortic balloon pumping in 243 adult patients. Turner SA, et al. **Tex Med** 1980 Sep;76(9):44–7
Protein-losing enteropathy after Fontan operation for tricuspid atresia (imperforate tricuspid valve). Crupi G, et al. **Thorac Cardiovasc Surg** 1980 Oct;28(5):359–63
Prediction of postoperative cardiopulmonary function in patients undergoing pneumonectomy. Taube K, et al. **Thorac Cardiovasc Surg** 1980 Oct;28(5):348–51
Fatal massive haemoptysis after embolectomy for chronic pulmonary embolism. Elliott JA. **Thorax** 1980 Sep; 35(9):705–6
Postpneumonectomy interatrial right-to-left shunt. Holtzman H, et al. **Thorax** 1980 Apr;35(4):307–9
Fungal endocarditis after homograft valve replacement: difficulties in diagnosis and treatment. Rudd RM, et al. **Thorax** 1980 Sep;35(9):686–9
Cadaveric renal transplantation in patients of 60 years and above. Ost L, et al. **Transplantation** 1980 Nov;30(5):339–40
Management of lymphatic leakage after renal transplantation [letter] Williams G, et al. **Transplantation** 1981 Feb; 31(2):134
Virus infections in renal transplant recipients. Mallick NP, et al. **Ulster Med J** 1981;50(Suppl 1):22–8
Air-containing urinoma: an unusual complication associated with pyelolithotomy. Yokoyama M, et al. **Urol Radiol** 1980–81;2(4):253–4
Urolithiasis after kidney transplantation--clinical and mineralogical aspects. Brien G, et al. **Urol Res** 1980 Dec 19;8(4):211–8
Complications of transabdominal retroperitoneal lymphadenectomy. Babaian RJ, et al. **Urology** 1981 Feb; 17(2):126–8
Complications of single-stage radical cystectomy and ileal conduit. Bracken RB, et al. **Urology** 1981 Feb;17(2):141–6
Lymphocele after pelvic lymphadenectomy for urologic cancer. Sogani PC, et al. **Urology** 1981 Jan;17(1):39–43
A complication following ovariohysterectomy in a dog. Kunin S, et al. **VM SAC** 1980 Jun;75(6):1000–1
[Causes of sinus formation in appendectomy wound (author's transl)] Chen B. **Chung Hua Wai Ko Tsa Chih** 1979; 17(2):134–5 **(Chi)**
[Early complications after pancreatoduodenectomy (author's transl)] Huang YT. **Chung Hua Wai Ko Tsa Chih** 1979; 17(4):227–30 **(Chi)**
[Alloplasty of the hip joint--TEP (author's transl)] Přibyl T. **Acta Chir Orthop Traumatol Cech** 1980 Oct;47(5):408–13 (Eng. Abstr.) **(Cze)**
[Surgical technique and possible complications of the Slocum-Larson operation (author's transl)] Sosna A, et al. **Acta Chir Orthop Traumatol Cech** 1980 Aug;47(4):319–25 (Eng. Abstr.) **(Cze)**
[Justification of surgical treatment of gynecologic inflammations] Silhán J, et al. **Cesk Gynekol** 1980 Sep; 45(8):583–4 **(Cze)**
[Consequences of corpus callosum transection] Beneš V. **Cesk Neurol Neurochir** 1981 May;44(3):188–91 (Eng. Abstr.) **(Cze)**
[Potential factors in the development of vascular spasm in intracranial aneurysm surgery] Kunc Z. **Cesk Neurol Neurochir** 1981 May;44(3):138–44 (Eng. Abstr.) **(Cze)**
[Wound healing after laryngectomy] Jelínek R. **Cesk Otolaryngol** 1980 Dec;29(6):336–8 (Eng. Abstr.) **(Cze)**
[Ectopic ossification after alloplasty of the hip joint using a total endoprosthesis in ankylosing hyperostosis of the spine] Navrátil J, et al. **Fysiatr Reumatol Vestn** 1980; 58(6):382–93 (Eng. Abstr.) **(Cze)**
[The effect of vesico-ureteral reflux, residual urine and primary disease on the incidence of urinary tract infection after kidney transplantation] Matoušovic K, et al. **Rozhl Chir** 1981 May;60(5):324–30 (Eng. Abstr.) **(Cze)**
[Peroperative cardiovascular crisis in undiagnosed primary hyperaldosteronism] Vosátka J, et al. **Rozhl Chir** 1981; 60(1):33–7 (Eng. Abstr.) **(Cze)**
[Arterial stenosis in the allotransplanted kidney. Results of surgery and drug therapy] Zabka J, et al. **Rozhl Chir** 1981 May;60(5):319–23 (Eng. Abstr.) **(Cze)**
[Postsplenectomy sepsis after traumatic spleen rupture] Angelo-Nielsen K, et al. **Ugeskr Laeger** 1980 Sep 8; 142(37):2422–3 (Eng. Abstr.) **(Dan)**
[Acute dilatation of the cecum without mechanical obstruction after cesarean section] Børlum KG. **Ugeskr Laeger** 1980 Dec 1;142(49):3255–6 (Eng. Abstr.) **(Dan)**
[Complications in the treatment of habitual dislocation of the temporomandibular joint using Myrhaug's method] Müller H. **Acta Stomatol Belg** 1980;77(3):211–5 **(Dut)**
[Shunt nephritis in an adult: apropos of a case] Csoma M, et al. **Acta Clin Belg** 1980;35(2):71–5 (Eng. Abstr.) **(Fre)**
[Urinary retention following adenomectomy. Apropos of 2 cases] Thiry AJ, et al. **Acta Urol Belg** 1981 Jan;49(1):31–5 (Eng. Abstr.) **(Fre)**
[Round table on the spinal cord complications of surgery of the thorax or the aorta and its branches, Paris, 9 June, 1979] **Ann Chir** 1980 Oct;34(8):521–55 (Eng. Abstr.) **(Fre)**
[Post-operative rhabdomyolyses. Report of two cases (author's transl)] Larcan A, et al. **Ann Chir** 1980 Dec; 34(10):769–74 (Eng. Abstr.) **(Fre)**
[Heterotopic bone formation in abdominal surgical scars (author's transl)] Odimba E, et al. **Ann Chir** 1980 Sep; 34(7):501–6 (Eng. Abstr.) **(Fre)**
[Early post-operative complications in intestinal resections followed with colo-colitic or recto-colitic anastomoses. Clinical and biological manifestations of anastomotic complications. Therapeutic results about 523 cases (author's trans)] Parc R, et al. **Ann Chir** 1981;35(2):69–82 (Eng. Abstr.) **(Fre)**
[Complications during treatment of inflammatory tracheal stenosis (author's transl)] Roeslin N, et al. **Ann Chir** 1980 Oct;34(8):626–30 (Eng. Abstr.) **(Fre)**
[Purulent meningitis from surgical inoculation of an anterior sacral meningocele: a rare complication of Marfan's disease (author's transl)] le Mercier Y, et al. **Ann Med Interne (Paris)** 1980;131(5):289–90 (Eng. Abstr.) **(Fre)**
[Oesophageal strictures after surgery (author's transl)] Lallemant Y. **Ann Otolaryngol Chir Cervicofac** 1980 Mar; 97(3):237–66 (Eng. Abstr.) **(Fre)**
[Peri-auricular epidermal cysts secondary to an ear operation (author's transl)] Legent F, et al. **Ann Otolaryngol Chir Cervicofac** 1980 Jan–Feb; 97(1–2):105–9 (Eng. Abstr.) **(Fre)**
[False failure of an aortocoronary bypass. Spasm of an artery revascularized by 2 saphenous vein graft] Metzger JP, et al. **Arch Mal Coeur** 1981 Feb;74(2):231–6 (Eng. Abstr.) **(Fre)**
[Transfixing keratoplasty and secondary glaucoma] Severin M, et al. **Bull Mem Soc Fr Ophtalmol** 1980;92:220–3 **(Fre)**
[Surgical overcorrections in exotropia] Berard PV, et al. **Bull Soc Ophtalmol Fr** 1979 Nov–Dec;79(11–12):1009–13 (Eng. Abstr.) **(Fre)**
[Papillary edema following jugular resection] Fallas P, et al. **Bull Soc Ophtalmol Fr** 1979 Nov–Dec; 79(11–12):1119–21 (Eng. Abstr.) **(Fre)**
[Cicatricial pathology and the Faden operation] Spielmann A. **Bull Soc Ophtalmol Fr** 1980 Aug–Sep;80(8–9):655–62 (Eng. Abstr.) **(Fre)**
[Delirium after surgery with extra-corporeal circulation] Coupal P, et al. **Can Anaesth Soc J** 1981 Jul;28(4):350–5 (Eng. Abstr.) **(Fre)**
[Acute ischaemia of the lower limbs after section of the inferior mesenteric artery in colonorectal surgery (author's transl)] Enon B, et al. **Chirurgie** 1980;106(5):357–61 (Eng. Abstr.) **(Fre)**
[Colonic risk in aorto-iliac surgery (author's transl)] Quesada

C, et al. **Chirurgie** 1980;106(5):362–8 (Eng. Abstr.) **(Fre)**

[Folate deficiency after surgery (letter)] Audebert M, et al. **Gastroenterol Clin Biol** 1980 Dec;4(12):911–2 **(Fre)**

[Acute post-operative peritonitis in gastro-enterological surgery. Opinion of the intensive care unit (author's transl)] Mantz JM, et al. **J Chir (Paris)** 1981 Feb;118(2):89–93 (Eng. Abstr.) **(Fre)**

[Arterial complications of inguinal surgery: value of vein replacement in situ (author's transl)] Mellière D, et al. **J Chir (Paris)** 1980 Oct;117(10):531–5 (Eng. Abstr.) **(Fre)**

[Post-operative superior mesenteric arterio-venous fistulas. A report on one case (author's transl)] Meyer C, et al. **J Chir (Paris)** 1980 Nov;117(11):579–82 (Eng. Abstr.) **(Fre)**

[Cholelithiasis and peptic ulcer surgery. Personal experience (author's transl)] Sturniolo G, et al. **J Chir (Paris)** 1981 Feb;118(2):95–9 (Eng. Abstr.) **(Fre)**

[Tertiary hyperparathyroidism following kidney transplants in man treated by parathyroidectomy and parathyroid autografts. A report on 8 cases (author's transl)] Tanguy G, et al. **J Chir (Paris)** 1980 Nov;117(11):595–600 (Eng. Abstr.) **(Fre)**

[Cerclage and infection. Clinical and therapeutic study (author's transl)] Dubouloz P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(6):671–4 (Eng. Abstr.) **(Fre)**

[Transitory hydronephroses after the Marshall-Marchetti operation. A case history (author's transl)] Gonnet JM, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(3):219–21 (Eng. Abstr.) **(Fre)**

[Prolapse after hysterectomy. A study of 45 cases (author's transl)] Rudigoz RC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(3):241–7 (Eng. Abstr.) **(Fre)**

[Colectomy and ileostomy for ulcerative colitis: prestomal ileitis] Perrin D, et al. **Med Chir Dig** 1980;9(6):507–10 (Eng. Abstr.) **(Fre)**

[Colonic complication of renal transplantation. A case of ischemic colitis and a case of acute tuberculous colitis] Salmon R, et al. **Med Chir Dig** 1980;9(8):711–4 (Eng. Abstr.) **(Fre)**

[Is there a risk of acute pancreatitis after parathyroidectomy? (letter)] Dubost C, et al. **Nouv Presse Med** 1980 Nov 15; 9(43):3281 **(Fre)**

[Covering of eviscerations post peritonitis (letter)] Salmon R, et al. **Nouv Presse Med** 1979 Jan 13;8(2):136 **(Fre)**

[Renal transplantation and Salmonella typhimurium infection. Epidemiological study of lysotypes and biotypes (author's transl)] Schoutens E, et al. **Nouv Presse Med** 1981 Mar 21;10(13):1039–41 (Eng. Abstr.) **(Fre)**

[Complications of sclerosing and surgical treatment of leg varices. Apropos of 90 cases] Benhamou AC, et al. **Phlebologie** 1981 Jan-Mar;34(1):41–51 (Eng. Abstr.) **(Fre)**

[Arterial complications of the treatment of varices] Frileux C, et al. **Phlebologie** 1981 Jan-Mar;34(1):63–8 (Eng. Abstr.) **(Fre)**

[Impotence following stripping] Reinharez D. **Phlebologie** 1980 Jul-Sep;33(3):427–36 (Eng. Abstr.) **(Fre)**

[The dangerous blood clot in orthopaedic surgery (author's transl)] de la Caffinière JY, et al. **Rev Chir Orthop** 1981; 67(1):47–58 (Eng. Abstr.) **(Fre)**

[Prolonged clinical remission (20 years) of amyloid nephrotic syndrome. Postoperative definitive renal insufficiency] Offenstadt G, et al. **Rev Med Interne** 1980;1(1):93–4 **(Fre)**

[Uretero-vaginal fistulas: a report of 20 cases] Boujnah H, et al. **Tunis Med** 1981 Mar-Apr;59(2):149–52 (Eng. Abstr.) **(Fre)**

[Surgical complications of renal transplant] Girard RM, et al. **Union Med Can** 1981 Feb;110(2):92–102 (Eng. Abstr.) **(Fre)**

[Report on familial paroxysmal hypokalaemic paralysis in relation to postoperative intensive care (author's transl)] Feurstein V. **Anaesthesist** 1980 Nov;29(11):632–4 (Eng. Abstr.) **(Ger)**

[Complications after surgery of ENT-tumors. A comparison between preoperatively irradiated and nonirradiated patients] Laniado K, et al. **Arch Otorhinolaryngol** 1980; 229(2):99–105 (Eng. Abstr.) **(Ger)**

[Acute kidney failure after major surgery (letter)] Jung N. **Dtsch Med Wochenschr** 1981 Feb 6;106(6):189–90 **(Ger)**

[Bilirubin and postoperative letality (letter)] Kern E. **Dtsch Med Wochenschr** 1980 Jul 4;105(27):948 **(Ger)**

[Acute kidney failure following major surgery] Schuster HP. **Dtsch Med Wochenschr** 1980 Nov 21;105(47):1633–4 **(Ger)**

[Articulatory dyspraxia. A disorder of motor programming in the Broca association cortex] Seinsch W. **Folia Phoniatr (Basel)** 1981;33(2):125–30 (Eng. Abstr.) **(Ger)**

[Trabeculectomy in cases of angle closure glaucoma--successes and failures (author's transl)] Eltz H, et al. **Klin Monatsbl Augenheilkd** 1980 Nov;177(5):556–61 (Eng. Abstr.) **(Ger)**

[Complications following thoracic surgery (author's transl)] Hild P, et al. **Langenbecks Arch Chir** 1980;351(4):277–83 (Eng. Abstr.) **(Ger)**

[Thyroglossal duct fistulae: congenital or iatrogenic? (author's transl)] Stoll W. **Laryngol Rhinol Otol (Stuttg)** 1980 Sep;59(9):581–4 (Eng. Abstr.) **(Ger)**

[Pregnancy interruption and its complications] Schmidt-Matthiesen H. **Lebensversicherungsmedizin** 1980 May;32(3):70–4 (Eng. Abstr.) **(Ger)**

[Comparative findings in primary and secondary operations of the biliary tract and therapeutic consequences. Statistical results - indications - complication] Dittel KK, et al. **Med Welt** 1980 May 9;31(19):712–7 **(Ger)**

[Testicular complications following inguinal hernia surgery in infants and children] Müller E, et al. **Med Welt** 1980 Sep 19;31(38):1348–50 **(Ger)**

[Urinary candidiasis in neonates (author's transl)] Ringert RH. **Monatsschr Kinderheilkd** 1981 Jun;129(6):371–2 (Eng. Abstr.) **(Ger)**

[Pulmonary embolism in surgical patients (author's transl)] Kugelmeier J, et al. **Praxis** 1980 Dec 16;69(50):1859–64 (55 ref.) (Eng. Abstr.) **(Ger)**

[Results of arthrodesis and arthroplasty on the shoulder joint (author's transl)] Pallesen J. **Unfallchirurgie** 1980;6(4):250–5 (Eng. Abstr.) **(Ger)**

[Hypertension following renal transplantation (author's transl)] Tschöpe W, et al. **Urologe [Ausg A]** 1981 May; 20(3):141–4 (17 ref.) (Eng. Abstr.) **(Ger)**

[Postoperative rupture of the abdominal wall in median laparotomies] Schwetling R. **Z Aerztl Fortbild (Jena)** 1980 Sep 15;74(18):844–5 **(Ger)**

[The early postoperative ileus] Senst W. **Z Aerztl Fortbild (Jena)** 1979 Oct 1;73(19–20):918–21 **(Ger)**

[Bladder calculi formation following herniotomy] Ibrahim F. **Z Urol Nephrol** 1980 Feb;73(2):137–8 (Eng. Abstr.) **(Ger)**

[Complications in the treatment of bladder neck stenosis following bladder neck adenomectomy] Schülke J, et al. **Z Urol Nephrol** 1981 May;74(5):363–7 **(Ger)**

[Results of operative thrombectomy.] Husfeldt KJ, et al. **Zentralbl Chir** 1980;105(8):513–21 (Eng. Abstr.) **(Ger)**

[Gynaecological and obstetric operations in coagulative disorders (author's transl)] Voigt T, et al. **Zentralbl Gynaekol** 1980;102(19):1131–5 (Eng. Abstr.) **(Ger)**

[Air embolism] Volpin G, et al. **Harefuah** 1980 Jul; 99(1–2):27–30 **(Heb)**

[Anaerobic infections in surgery] Speranza V, et al. **Ann Ist Super Sanita** 1979;15(1):53–63 (Eng. Abstr.) **(Ita)**

[Possible causal factors in postoperative immunodepression] Dominioni L, et al. **Minerva Chir** 1981 Apr 15;36(7):425–32 (Eng. Abstr.) **(Ita)**

[Nutritional problems and follow-up of patients treated with total ileoectomy] Fussi A, et al. **Minerva Dietol Gastroenterol** 1980 Jul-Sep;26(3):183–7 **(Ita)**

[Psychological and psychiatric problems in heart surgery patients. 2 comparison studies] Borsetti G, et al. **Minerva Psichiatr** 1979 Jan-Mar;20(1):37–42 **(Ita)**

[Clinical conference at the National Center of Circulatory Diseases. 2. Case of acute disssecting aneurysm caused by the aorta-interrupting forceps (a complication following surgery of dissecting aneurysm type III)] **Kyobu Geka** 1980 Oct;33(10):798–801 **(Jpn)**

[Usefulness of thoracic duct imaging in post-operative chylothorax (author's transl)] Endo K, et al. **Kyobu Geka** 1980;33(9):704–5 (Eng. Abstr.) **(Jpn)**

[Severe mechanical hemolytic anemia following open-heart surgery without prosthetic valve replacement--a report of 3 cases treated surgically (author's transl)] Hashimoto R, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1980 Aug; 28(8):1330–7 (Eng. Abstr.) **(Jpn)**

[Multiple complications of acute pancreatitis] Michalik W, et al. **Wiad Lek** 1980 Aug 1;33(15):1247–9 (Eng. Abstr.) **(Pol)**

[Sliding skin grafts in the treatment of anal strictures (author's transl)] Habr-Gama A, et al. **AMB** 1980 Mar;26(3):100–2 (Eng. Abstr.) **(Por)**

[Venous mesenteric thrombosis following gastric surgery (author's transl)] Kunzle JE, et al. **AMB** 1979 Dec; 25(12):433–4 (Eng. Abstr.) **(Por)**

[Histology of the jejunal mucosa in stomach surgery: its relation to postoperative symptoms] Lopasso FP, et al. **AMB** 1980 Jul;26(7):239–42 (Eng. Abstr.) **(Por)**

[Recurrence of dysphagia following surgical treatment for megaesophagus. Analysis of determining factors. Study of 38 cases (author's transl)] Pinotti HW, et al. **AMB** 1980 Mar;26(3):109–11 (Eng. Abstr.) **(Por)**

[Jaundice following cardiac surgery] Brandão AB. **Arq Bras Cardiol** 1980 Apr;34(4):311–4 **(Por)**

[Neuropsychic manifestations of toxoplasmosis in renal allotransplant patients] Galvão MM, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1980 Apr;35(2):48–51 (Eng. Abstr.) **(Por)**

['Risk factors' in the surgical treatment of colon carcinoma] Eriukhin IA, et al. **Vestn Khir** 1981 Jun;126(6):46–51 (Eng. Abstr.) **(Rus)**

[Experimental study of the morphohistochemical changes in the liver during postoperative pulmonary hypertension] Rusanov GA, et al. **Vestn Khir** 1980 Jun;124(6):3–8 (Eng. Abstr.) **(Rus)**

[Expiratory closure of the airways as a cause of hypoxemia following lung resection] Shchelkunov VS, et al. **Vestn Khir** 1980 Jul;125(7):30–4 (Eng. Abstr.) **(Rus)**

[Pulmonary complications in the surgery of advanced stages of mitral stenosis] Stepanov VV. **Vestn Khir** 1980 Jun; 124(6):22–7 (Eng. Abstr.) **(Rus)**

[Changes in the mechanics of respiration and lung perfusion following partial lung resection] Strashov VI, et al. **Vestn Khir** 1980 Jun;124(6):14–8 (Eng. Abstr.) **(Rus)**

[Psychiatric depressions after hysterectomy] Bokun P, et al. **Srp Arh Celok Lek** 1979 Dec;107(12):1027–31 (Eng. Abstr.) **(Scc)**

[Infection as a cause of complications in biliary surgery. (Acute suppurative cholangitis, biliary sepsis, and endotoxemia)] Borčić V, et al. **Acta Chir Iugosl** 1980;27 Suppl 1:177–84 (Eng. Abstr.) **(Scr)**

[Infections in reconstructive arterial surgery] Despot I, et al. **Acta Chir Iugosl** 1980;27 Suppl 1:133–6 **(Scr)**

[Ileus as a complication of appendicitis] Filipovic B, et al. **Acta Chir Iugosl** 1980;27 Suppl 1:331–4 (Eng. Abstr.) **(Scr)**

[A high ileus caused by jejunogastric intussusception due to proximal gastric vagotomy and gastroenteral anastomosis during the early postoperative period] Georgijević A. **Acta Chir Iugosl** 1980;27 Suppl 1:357–60 **(Scr)**

[Anaerobic infections in abdominal surgery] Golem F. **Acta Chir Iugosl** 1980;27 Suppl 1:59–64 **(Scr)**

[The occurrence and significance of adhesive ileus] Husinec F, et al. **Acta Chir Iugosl** 1980;27 Suppl 1:321–3 **(Scr)**

[Surgical treatment of recurrent adhesive ileus] Kropec I, et al. **Acta Chir Iugosl** 1980;27 Suppl 1:369–72 (Eng. Abstr.) **(Scr)**

[Etiology and therapy of suppurative processes in the abdominal cavity and in surgical wounds] Kropec I, et al. **Acta Chir Iugosl** 1980;27 Suppl 1:159–62 (Eng. Abstr.) **(Scr)**

[Early postoperative ileus] Lončar Z, et al. **Acta Chir Iugosl** 1980;27 Suppl 1:317–9 (Eng. Abstr.) **(Scr)**

[The significance of surgery, occurrence and possibilities of prevention of septic-suppurative complications in biliary surgery] Maksimović V, et al. **Acta Chir Iugosl** 1980;27 Suppl 1:185–9 **(Scr)**

[The significance of infections in the prognosis of patients with cardiac pacemakers] Mlinarić I, et al. **Acta Chir Iugosl** 1980;27 Suppl 1:123–8 **(Scr)**

[Is drainage after cholecystectomy indicated or is it a cause of increased mortality due to infection?] Pažur M. **Acta Chir Iugosl** 1980;27 Suppl 1:193–5 (Eng. Abstr.) **(Scr)**

[Bone infections after osteosynthesis] Posinković B, et al. **Acta Chir Iugosl** 1980;27 Suppl 1:95–8 **(Scr)**

[Osteomyelitis in intramedullary fixation of closed fractures] Slapničar J, et al. **Acta Chir Iugosl** 1980;27 Suppl 1:513–5 **(Scr)**

[Ileus as a complication of surgery of the aorta and blood vessels of the pelvis] Tonković I, et al. **Acta Chir Iugosl** 1980;27 Suppl 1:365–8 **(Scr)**

[Mechanical ileus as a late complication of laparotomy] Torbica G. **Acta Chir Iugosl** 1980;27 Suppl 1:405–8 **(Scr)**

[Surgical treatment of ileus from 1-1-69 to 12-31-78 with special emphasis on adhesive ileus] Vulić M, et al. **Acta Chir Iugosl** 1980;27 Suppl 1:277–80 **(Scr)**

[Acute appendicitis in the puerperium after cesarean section] Ljubojević N, et al. **Jugosl Ginekol Opstet** 1980 May-Aug; 19(3–4):201–6 (Eng. Abstr.) **(Scr)**

[Legionnaires' disease in two patients following renal transplantation (author's transl)] Petričević I, et al. **Lijec Vjesn** 1980 Jun;102(6):313–7 (Eng. Abstr.) **(Scr)**

[An unusual localization of a phytobezoar after subtotal gastric resection] Petrović M, et al. **Vojnosanit Pregl** 1981 Mar-Apr;38(2):120–2 **(Scr)**

[Postlaparotomic abdominal discomfort and disorders of gastrointestinal motility (author's transl)] Omanik S. **Cesk Gastroenterol Vyz** 1980 Jul;34(5):311–6 (Eng. Abstr.) **(Slo)**

[Technical and immunological problems of the perforating keratoplasty (author's transl)] Cernák A, et al. **Cesk Oftalmol** 1981 May;37(3):155–9 (Eng. Abstr.) **(Slo)**

[The voice after microsurgical procedures on the vocal cords in voice professionals] Krahulec I. **Cesk Otolaryngol** 1980 Aug;29(4):220–2 (Eng. Abstr.) **(Slo)**

[Infection in surgery. Introduction] Držečnik J. **Acta Chir Iugosl** 1980;27 Suppl 1:9–19 **(Slv)**

[Acute pancreatitis after gallbladder and bile duct surgery] Kinkela K, et al. **Acta Chir Iugosl** 1980;27 Suppl 1:563–4 (Eng. Abstr.) **(Slv)**

[Infection in heart surgery] Košak M. **Acta Chir Iugosl** 1981; 28(1):81–90 (31 ref.) (Eng. Abstr.) **(Slv)**

[Infections in neurosurgery] Lipovšek M. **Acta Chir Iugosl** 1980;27 Suppl 1:103–7 **(Slv)**

[Infections in arterial surgery] Miksić K. **Acta Chir Iugosl** 1980;27 Suppl 1:137–9 (Eng. Abstr.) **(Slv)**

[Infections in vascular surgery] NOvak B. **Acta Chir Iugosl** 1980;27 Suppl 1:129–32 **(Slv)**

[Accordance of the manifestation of infection and results of surgery in the femoral neck pertrochanteric region] Pilih R, et al. **Acta Chir Iugosl** 1980;27 Suppl 1:91–3 **(Slv)**

[Arteritis mesenterialis - a rare complication after aortic coarctation surgery] Pirc B. **Acta Chir Iugosl** 1980;27 Suppl 1:527–33 (Eng. Abstr.) **(Slv)**

[Anaerobic infections in surgery] Velikonja T. **Acta Chir Iugosl** 1980;27 Suppl 1:163–5 **(Slv)**

[Neuropathic syndromes after varicose vein surgery of the lower limbs] Almazán Enríquez A, et al. **Angiologia** 1981 Mar-Apr;33(2):79–85 (Eng. Abstr.) **(Spa)**

[Inveterate congenital luxation of the hip in the adult] Sierra Rojas L. **Bol Med Hosp Infant Mex** 1980 Sep–Oct; 37(5):917–25 (Eng. Abstr.) **(Spa)**

[Operative morbidity in radical surgery of invasive cervicouterine cancer] Decanini Livas D, et al. **Ginecol Obstet Mex** 1980 Aug;48(286):87–93 (Eng. Abstr.) **(Spa)**

[Complications of jejuno–ileal bypass in the surgical treatment of obesity] Rubio Cerdido JM. **Rev Esp Enferm Apar Dig** 1981 Mar;59(3):367–72 **(Spa)**

BLOOD

Sex and surgical stress. Moore RA, et al. **Anaesthesia** 1981 Mar;36(3):263–7

Glutamate metabolism in malnutrition and sepsis in man. Kingsland PA, et al. **Br J Surg** 1981 Apr;68(4):234–7

Hyperaldosteronism after heart surgery in children. Part II: Regulation of aldosterone secretion. Haschke F, et al. **Paediatr Padol** 1981;16(3):327–33

[Acute post–operative hemolysis related to a G6DP deficiency. Report of one case (author's transl)] Wessely JY, et al. **Anesth Analg (Paris)** 1980;37(5–6):335–7 (Eng. Abstr.) **(Fre)**

[Serious hemolytic anemia after mitral valvuloplasty] Michlmayr G, et al. **Acta Med Austriaca** 1979;6(5):195–7 (Eng. Abstr.) **(Ger)**

[Plasma catecholamines, insulin and glucose in the postoperative phase. Cause and duration of the post–stress syndrome after abdominal surgery] Beger HG, et al. **Chirurg** 1981 Apr;52(4):225–30 (Eng. Abstr.) **(Ger)**

[Influence of surgery and hemodilution on the colloid osmotic pressure] Grundmann R, et al. **Chirurg** 1980 Sep; 51(9):594–600 (Eng. Abstr.) **(Ger)**

[Clinical significance of routine serum CEA determination in postoperative control in colorectal cancer] Pompecki R, et al. **Med Welt** 1980 Dec 5;31(49):1780–3 **(Ger)**

[Thyroid hormone levels after surgical stress reaction (author's transl)] Hartel W, et al. **MMW** 1980 Oct 24; 122(43):1505–7 (Eng. Abstr.) **(Ger)**

[Disturbances of the calcium–phosphorus metabolism and skeletal diseases following kidney transplantation] Flury W, et al. **Schweiz Med Wochenschr** 1981 Jan 3;111(1):21–8 (Eng. Abstr.) **(Ger)**

[Disorders of haemostasis in postoperative septicaemia (author's transl)] Frick U, et al. **Zentralbl Chir** 1980; 105(17):1141–7 (Eng. Abstr.) **(Ger)**

[Effectiveness of commercial polyvalent proteinase inhibitors. Use of gordox in vascular surgery] Iarovaia GA, et al. **Vopr Med Khim** 1980 Nov–Dec;26(6):837–43 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Epidural morphine [letter] Collier CB. **Anaesthesia** 1981 Jan; 36(1):67

Itching as a side–effect of epidural morphine [letter] Duffy BL. **Anaesthesia** 1981 Jan;36(1):67

Aspirin and postoperative bleeding [letter] Isbister JP. **Med J Aust** 1980 Jul 26;2(2):99, 101

CLASSIFICATION

Need for a classification of high risk factors in kidney transplantation [letter] Priestly J, et al. **Lancet** 1980 Sep 13;2(8194):586–7

[Grouping of the complications in suppurative lung disease surgery and the basic principles of their prevention and treatment] Gorovenko GG, et al. **Klin Khir** 1980 Oct; (10):1–5 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Postoperative complications of thoracic surgery: their recognition and treatment. Katz LE. **AANA J** 1980 Jun; 48(3):222–9

Physostigmine in the differential diagnosis of coma after neurosurgery. Rupreht J, et al. **Acta Anaesthesiol Belg** 1980; 31(1):71–4

Unexpected problems of external choledochoduodenostomy. Fiberscopic examination in 15 patients. Akiyama H, et al. **Am J Surg** 1980 Nov;140(5):660–5

Secondary aorto–enteric fistulas: prosthetic and paraprosthetic. Criado FJ, et al. **Am Surg** 1981 Jul; 47(7):313–21

Perirenal fluid collection after renal transplant. Yap R, et al. **Am Surg** 1981 Jul;47(7):287–90

Recognition and surgical management of patent but hemodynamically failed arterial grafts. O'Mara CS, et al. **Ann Surg** 1981 Apr;193(4):467–76

Meningitis caused by Acinetobacter calcoaceticus var anitratus. A specific hazard in neurosurgical patients. Berk SL, et al. **Arch Neurol** 1981 Feb;38(2):95–8

Twenty–four–hour pH monitoring of esophageal function. Its use in evaluation in symptomatic patients after truncal vagotomy and gastric resection or drainage. O'Sullivan GC, et al. **Arch Surg** 1981 May;116(5):581–90

Detection of late arrhythmia and conduction disturbance after correction of tetralogy of Fallot. Deanfield JE, et al. **Br Heart J** 1980 Sep;44(3):248–53

The value of the patency test in microvascular anastomosis: correlation between observed patency and size of intraluminal thrombus: an experimental study in rats. Krag C, et al. **Br J Plast Surg** 1981 Jan;34(1):64–6

A method for determination of the depth of thrombi after injection of fibrinogen labelled with iodine 125. Jacobsson L, et al. **Br J Radiol** 1980 Jul;53(631):668–72

Postoperative legionella pneumonia diagnosed by percutaneous lung aspiration. Benson MK, et al. **Br Med J [Clin Res]** 1981 May 16;282(6276):1585

Depression of cellular immunity as an index of malnutrition in surgical patients. Nair KS, et al. **Br Med J [Clin Res]** 1981 Feb 28;282(6265):698

Hemodynamic assessment of the Ionescu–Shiley pericardial xenograft in the mitral position. Febres–Roman PR, et al. **Cathet Cardiovasc Diagn** 1980;6(3):233–45

Early postoperative endoscopy in the operated stomach. Manegold BC. **Endoscopy** 1981 May;13(3):104–7

Early post–operative endoscopy after biliary tract surgery. Soehendra N, et al. **Endoscopy** 1981 May;13(3):113–7

Assessment of articulation after surgery to the tongue. Bradley PJ, et al. **Folia Phoniatr (Basel)** 1980;32(4):334–41

Primary carcinoma of the remnant stomach––report of three cases. Nagase M, et al. **Gastroenterol Jpn** 1980;15(5):527–31

Groin and leg pain after cancer surgery. Weingarten NM, et al. **Hosp Pract** 1980 Sep;15(9):25–6, 30

Assessment of host resistance in critically ill surgical patients by the response to recall skin antigens. Bradley JA, et al. **Intensive Care Med** 1981 Apr;7(3):105–8

Serial urinary and cervical cytological studies in women undergoing renal transplantation. Ingoldby CJ, et al. **J Clin Pathol** 1980 Oct;33(10):990–2

Prediction of late ischemic complications after cerebral aneurysm surgery by the intraoperative measurement of cerebral blood flow. Pickard JD, et al. **J Neurosurg** 1980 Sep;53(3):305–8

Fulminating noncardiogenic pulmonary edema. A newly recognized hazard during cardiac operations. Culliford AT, et al. **J Thorac Cardiovasc Surg** 1980 Dec;80(6):868–75

Ultrasonic appearance of chest wall seromas in mastectomy patients. Lowery GS, et al. **JCU** 1981 May Jun;9(5):260–1

Endoscopy in the postcholecystectomy syndrome [letter] Tulassay Z, et al. **Lancet** 1980 Oct 11;2(8198):800

Applanation–Schiøtz disparity after retinal detachment surgery utilizing cryopexy. Harbin TS Jr, et al. **Ophthalmology (Rochester)** 1979 Sep;86(9):1609–12

Quantitative immunoassay of C–reactive protein in the postoperative period for the early diagnosis and evolution of complications (preliminary note). Pantano E, et al. **Ric Clin Lab** 1980 Jan–Mar;10(1):281–4

Assessment of cerebral damage during open–heart surgery. A new experimental model. Taylor KM, et al. **Scand J Thorac Cardiovasc Surg** 1980;14(2):197–203

Haemodynamic findings after insertion of the Lillehei–Kaster valve in the mitral ostium. Uhrenholdt A, et al. **Scand J Thorac Cardiovasc Surg** 1980;14(2):185–9

False aneurysms following arterial reconstruction. Satiani B. **Surg Gynecol Obstet** 1981 Mar;152(3):357–63

Urinary B–thromboglobulin levels as a diagnostic marker for post–operative deep vein thrombosis. Bolton AE, et al. **Thromb Res** 1980 Jul 1–15;19(1–2):249–55

Prevention and management of urologic complications following renal transplantation. Helling TS, et al. **Transplant Proc** 1980 Dec;12(4):695–702

Hemiparesis––an uncommon symptom of hydrocephalus or shunt dysfunction. Boltshauser E, et al. **Z Kinderchir Grenzgeb** 1980 Jul;30(3):191–7

[Suprapubic bladder puncture for detecting postoperative urinary canal infections following gynecologic operations] Dziambor H, et al. **Akush Ginekol (Sofiia)** 1980; 19(5–6):507–9 **(Bul)**

[Arterial stenosis in an allotransplanted kidney. Clinical signs as an indication for angiography] Stříbrná J, et al. **Vnitr Lek** 1981 Jun;27(6):564–9 (Eng. Abstr.) **(Cze)**

[Complications of ureterotomy: retroperitoneal urinoma] De Backer E, et al. **Acta Urol Belg** 1981 Jan;49(1):28–30 (Eng. Abstr.) **(Fre)**

[Early prediction of hypothyroidism after subtotal thyroidectomy (author's transl)] Varl B, et al. **Acta Med Austriaca** 1981;8(1):18–21 (Eng. Abstr.) **(Ger)**

[Emergency endoscopy after operation of the upper gastro–intestinal tract: problems and risks (author's transl)] Daniels V, et al. **Dtsch Med Wochenschr** 1980 Oct 17; 105(42):1452–6 (Eng. Abstr.) **(Ger)**

[The importance of urodynamics in gynecology] Manzl J, et al. **Gynaekol Rundsch** 1980 Jun;20 Suppl 2:151–60 **(Ger)**

[Differential diagnosis of postoperative glaucoma following iridectomy and filtering procedures (author's transl)] Böke W, et al. **Klin Monatsbl Augenheilkd** 1980 Nov; 177(5):545–50 (Eng. Abstr.) **(Ger)**

[The adhesive process. Part I: clinical results (author's transl)] Koch U. **Laryagol Rhinol Otol (Stuttg)** 1980 Sep; 59(9):495–505 (Eng. Abstr.) **(Ger)**

[Postoperative hepatitis resulting from halothane?] Kofler B. **MMW** 1981 Apr 17;123(16):73–4 **(Ger)**

[A biliary retention cyst. Diagnosis using ultrasonics and hepatobiliary sequence scintigraphy with 123I–iodoxamic acid] Schmitteckert H, et al. **ROEFO** 1981 Jun;134(6):695–6 **(Ger)**

[Postcholecystectomy syndrome: endoscopic and radiological aspects (author's transl)] Tulassay Z, et al. **Wien Klin Wochenschr** 1981 Jan 23;93(2):55–60 (Eng. Abstr.) **(Ger)**

[Holosystolic mitral valve prolapse and 'SAM' after surgical treatment of hypertrophic obstructive cardiomyopathy (author's transl)] Böcker K, et al. **Z Kardiol** 1981 May; 70(5):403–5 (Eng. Abstr.) **(Ger)**

[Long–term results of coronary revascularization––clinical, angiographic and hemodynamic findings (author's transl)] Löser R, et al. **Z Kardiol** 1981 Feb;70(2):88–94 (Eng. Abstr.) **(Ger)**

[Postoperative complications: the value of sonography for their diagnosis and therapy] Hutschenreiter G, et al. **Z Urol Nephrol** 1980 Jun;73(6):407–14 (Eng. Abstr.) **(Ger)**

[[The so–called postcholecystectomy syndrome in the light of endoscopic studies] Tulassay Z, et al. **Orv Hetil** 1980 Aug 17;121(33):2003–9 **(Hun)**

[Echographic and urographic considerations in a case of lymphocele after renal transplantation (author's transl)] Stasi G, et al. **Radiol Med (Torino)** 1980 Jun;66(6):393–6 (Eng. Abstr.) **(Ita)**

[Enzyme changes in postoperative myocardial infarction] Krohg K, et al **Tidsskr Nor Laegeforen** 1980 Nov 20; 100(32):1909–11 (Eng. Abstr.) **(Nor)**

[Problems of hemolysis in patients with implanted artificial heart valve] Norkowska H, et al. **Kardiol Pol** 1980; 23(10):863–72 (Eng. Abstr.) **(Pol)**

[Diagnosis of pseudoaneurysms by means of ultrasonics] Wesołowski J, et al. **Pol Przegl Chir** 1980 Aug;52(8):701–5 (Eng. Abstr.) **(Pol)**

[Computer–assisted prognosis of the complications after a cesarean section operation] Emel'ianova AI, et al. **Akush Ginekol (Mosk)** 1980 Nov;(11):34–6 (Eng. Abstr.) **(Rus)**

[Computer–based monitoring in the process of diagnosing and correcting hemodynamic disorders in the first few hours after open heart surgery] Abbakumov VV, et al. **Anesteziol Reanimatol** 1981 Mar–Apr;(2):27–30 (Eng. Abstr.) **(Rus)**

[Surgical medical monitoring and problems in the automated diagnosis of hypovolemia in the immediate postoperative period] Kostiuchenko AL, et al. **Anesteziol Reanimatol** 1981 Mar–Apr;(2):24–7 (Eng. Abstr.) **(Rus)**

[Pulmonary circulation based on rheopulmographic and polycardiographic findings following ultrasonic thrombarterectomy] Petrova MM, et al. **Anesteziol Reanimatol** 1981 Mar–Apr;(2):61–4 (Eng. Abstr.) **(Rus)**

[Diagnosis of the failure and thrombosis of a mitral valve prosthesis based on indirect study methods] Lartseva FA, et al. **Kardiologiia** 1981 Feb;21(2):63–6 (Eng. Abstr.) **(Rus)**

[Difficulties and errors in determining the indications for relaparotomy] Kirchenko MN, et al. **Khirurgiia (Mosk)** 1981 Mar;(3):86–90 **(Rus)**

[Acute postoperative pancreatitis] Lutal'tsev VI. **Khirurgiia (Mosk)** 1980 Dec;(12):56–8 **(Rus)**

[Diagnostic difficulties in postoperative peritonitis] Putov NV, et al. **Khirurgiia (Mosk)** 1981 May;(5):10–4 (Eng. Abstr.) **(Rus)**

[Diagnosis and surgical treatment of postoperative peptic ulcers] Shalimov AA, et al. **Khirurgiia (Mosk)** 1981 Jul; (7):65–70 **(Rus)**

[Diagnosis of non–clostridial anaerobic infections] Stolbovoĭ AV, et al. **Khirurgiia (Mosk)** 1981 May;(5):29–32 **(Rus)**

[Mechanical obstruction of the intestines as a complication of the early postoperative period] Rodionov VV, et al. **Klin Khir** 1981 Apr;(4):12–5 (Eng. Abstr.) **(Rus)**

[Extragenital endometriosis] Potashov LV, et al. **Klin Med (Mosk)** 1980;58(11):96–8 **(Rus)**

['Secondary' acute cholecystitis] Gushcha AL, et al. **Vestn Khir** 1980 May;124(5):61–5 **(Rus)**

[Use of diagnostic and therapeutic fiber endoscopy in the immediate postoperative period] Matveev NK, et al. **Vestn Khir** 1981 Feb;126(2):16–9 (Eng. Abstr.) **(Rus)**

[Etiology, clinical picture, and diagnosis of postoperative peritonitis in rectal cancer] Zybina MA, et al. **Vestn Khir** 1980 May;124(5):74–80 (Eng. Abstr.) **(Rus)**

[Diagnosis and clinical aspects of ciliochoroidal detachment after intracapsular cataract extraction] Baliasnikova IV. **Vestn Oftalmol** 1980 Jul–Aug;(4):24–6 (Eng. Abstr.) **(Rus)**

[Convulsive syndrome with autonomic crisis after middle ear surgery] Dolgikh VT, et al. **Vestn Otorinolaringol** 1980 Nov–Dec;(6):80–1 **(Rus)**

[Long term neurological evolution and prognosis of neonatal resuscitation] del Río Ganuza A. **Rev Med Univ Navarra** 1979 Jun;23(2):42–5 **(Spa)**

[Postoperative lung complications] Hedenstierna G, et al. **Lakartidningen** 1980 Aug 27;77(35):2897–900 **(Swe)**

[Lung complications in elective laparotomy––can they be predicted? Of what clinical importance are they?] Wirén JE. **Lakartidningen** 1980 Aug 27;77(35):2900–1 **(Swe)**

DRUG THERAPY

Postoperative vomiting treated with domperidone. A double–blind comparison with metoclopramide and a placebo. Boghaert A, et al. **Acta Anaesthesiol Belg** 1980; 31(2):129–37

Thrombotic thrombocytopenic purpura in a splenectomized patient with Hodgkin's disease. Crain SM, et al. **Am J Med Sci** 1980 Jul–Aug;280(1):35–40

Testing and treatment of arterial graft thrombosis. Carson S, et al. **Am J Surg** 1981 Jul;142(1):137–43

Post carotid endarterectomy hypertension: clonidine therapy [letter] Faivre JM, et al. **Anaesth Intensive Care** 1981 May;

9(2):179–80
Clinical experience with epidural morphine. Torda TA, et al. **Anaesth Intensive Care** 1981 May;9(2):129–34
The efficacy of Domperidone (R 33812) in the treatment of postoperative vomiting. A double-blind study with a placebo. van Leeuwen L, et al. **Anaesthesist** 1980 Sep; 29(9):490–3
Acetazolamide in the treatment of ventilatory failure complicating acute metabolic alkalosis. Dickinson GE, et al. **Anesth Analg (Cleve)** 1981 Aug;60(8):608–10
A randomized comparison of cefoxitin with or without amikacin and clindamycin plus amikacin in surgical sepsis. Tally FP, et al. **Ann Surg** 1981 Mar;193(3):318–23
Tolazoline in the treatment of congenital diaphragmatic hernias. Sumner E, et al. **Arch Dis Child** 1981 May; 56(5):350–3
Effect of cimetidine on serum calcium levels in an elderly patient. Edwards H, et al. **Arch Surg** 1981 Aug; 116(8):1088–9
Fibrinolytic treatment of thrombus on prosthetic heart valves. Witchitz S, et al. **Br Heart J** 1980 Nov;44(5):545–54
Cimetidine treatment for anastomotic ulceration after partial gastrectomy: short-term clinical trial and maintenance study. Bianchi Porro G, et al. **Br J Clin Pract** 1980 Nov–Dec;34(11–12):337–9
The effect of intravenous aprotinin (Trasylol) on intraperitoneal adhesion formation in the rat. Young HL, et al. **Br J Surg** 1981 Jan;68(1):59–90
Osteitis pubis: treatment by heparinisation. Merimsky E, et al. **Br J Urol** 1981 Apr;53(2):154–6
A technique for hemiacidrin dissolution of renal stone complicating an ileal conduit. Walker RG, et al. **Br J Urol** 1981 Apr;53(2):99–101
Mexiletine for ventricular arrhythmia after repair of tetralogy of Fallot. Malcolm ID, et al. **Can Med Assoc J** 1980 Sep 20;123(6):530–2
Sudden occlusion of a saphenous vein bypass graft relieved by direct injection of nitroglycerin. Baduini G, et al. **Cathet Cardiovasc Diagn** 1981;7(1):87–95
Phenazone versus placebo: effects on post-operative course. Skjelbred P, et al. **Eur J Clin Pharmacol** 1980 Oct; 18(4):327–31
Treatment of bone disease after jejunoileal bypass for obesity with oral 1 alpha-hydroxyvitamin D3. Compston JE, et al. **Gut** 1980 Aug;21(8):669–74
Diagnosis, prophylaxis and treatment of mixed (aerobic and anaerobic) infections following trauma or orthopaedic operation. Melnikova V. **Infection** 1980;8 Suppl 2:S193–4
Disopyramide for the suppression of ventricular extrasystoles after coronary artery by-pass graft surgery. Cartwright F, et al. **J Int Med Res** 1980;8(6):453–4
A case report of an anaerobic post-operative subphrenic abscess treated with ticarcillin. Owen OE, et al. **J Int Med Res** 1980;8(6):424
Intravenous amiodarone in the treatment of various arrhythmias following cardiac operations. Installe E, et al. **J Thorac Cardiovasc Surg** 1981 Feb;81(2):302–8
The treatment of osteitis pubis with heparin. Nissenkorn I, et al. **J Urol** 1981 Apr;125(4):528–9
Clinical experience with cefotaxime (HR-756) in surgical patients. Aznar J, et al. **Methods Find Exp Clin Pharmacol** 1981 May–Jun; 3(3):183–7
Hyperaldosteronism after heart surgery in children. Part I: Treatment with aldosterone antagonists. Haschke F, et al. **Paediatr Padol** 1981;16(3):317–26
Calcium treatment of enteric hyperoxaluria after jejunoileal bypass for morbid obesity. Hylander E, et al. **Scand J Gastroenterol** 1980;15(3):349–52
[Sodium nitroprusside and nitroglycerin in the treatment of postoperative hypertension] Horák K. **Rozhl Chir** 1981; 60(1):38–44 (Eng. Abstr.) **(Cze)**
[Doxapram hydrochloride. Treatment of postoperative hypoventilation caused by fentanyl] Owen-Falkenberg AP. **Ugeskr Laeger** 1980 Sep 15;142(38):2488 (Eng. Abstr.) **(Dan)**
[Tiapride and digestive tract surgery (author's transl)] Assadourian R. **Ann Chir** 1980 Dec;34(10):817–22 (Eng. Abstr.) **(Fre)**
[Randomized trial with tiapride in post-operative care (author's transl)] Lobera A, et al. **Ann Chir** 1981 Jan; 35(1):62–4 (Eng. Abstr.) **(Fre)**
[Drug treatment of postoperative intestinal atony] von Sommoggy S, et al. **Fortschr Med** 1981 Jan 15; 99(1–2):13–21 (Eng. Abstr.) **(Ger)**
[Therapy of postoperative anemia in gynecology. Experience with a ferrosuccinate multi-vitamin drug] Lenz W. **Med Welt** 1981 Jan 30;32(5):167–70 **(Ger)**
[Sudeck's syndrome (author's transl)] Wondrák E. **Zentralbl Chir** 1981;106(10):641–8 (Eng. Abstr.) **(Ger)**
[Postoperative prophylaxis by means of short-term prophylaxis with cephaloridine in children] Lo Cascio M, et al. **Minerva Pediatr** 1980 May 15;32(9):621–4 (Eng. Abstr.) **(Ita)**
[Effect of disodium sulbenicillin (SBPC) for urinary tract infections after retropubic prostatectomy, with special reference to SBPC concentration in human prostatic tissue (author's transl)] Yoshida H, et al. **Jpn J Antibiot** 1980 Apr; 33(4):522–5 **(Jpn)**
[Effectiveness of antibiotic therapy in pyelonephritis after kidney transplantation] Vasina TA, et al. **Antibiotiki** 1981 Apr;26(4):311–5 (Eng. Abstr.) **(Rus)**
[Conservative treatment of postoperative clotted hemothorax] Briusov PG, et al. **Grudn Khir** 1980 Nov–Dec; (6):52–5 (Eng. Abstr.) **(Rus)**
[Treatment of postoperative coagulated hemothorax with streptase] Mukhin EP, et al. **Grudn Khir** 1981 Jul–Aug; (4):90–1 **(Rus)**
[Treatment and prevention of postoperative suppurative complications] Iaremchuk AIa, et al. **Vestn Khir** 1981 Mar; 126(3):135–7 **(Rus)**
[Pathogenetic therapy of motor disorders of the gastrointestinal tract in the postoperative period and in peritonitis] Shal'kov IuL, et al. **Vestn Khir** 1980 Aug; 125(8):37–42 (Eng. Abstr.) **(Rus)**
[Corticosteroid therapy problem in ophthalmology] Shatilova RI. **Vestn Oftalmol** 1981 Jan–Feb;(1):65–6 **(Rus)**
[Etiology and therapy of suppurative processes in the abdominal cavity and in surgical wounds] Kropec I, et al. **Acta Chir Iugosl** 1980;27 Suppl 1:159–62 (Eng. Abstr.) **(Scr)**

ETIOLOGY

Unfavorable results after breast reconstruction with silicone breast. Lemperle G. **Acta Chir Belg** 1980 Mar–Apr; 79(2):159–60
Respiratory distress syndrome—a result of disseminated intravascular coagulation (DIC) or of fluid overload. Brismar B, et al. **Acta Chir Scand** 1980;146(3):145–8
Early complications after surgical treatment for Crohn's disease with particular reference to factors affecting their development. Fasth S, et al. **Acta Chir Scand** 1980; 146(7):519–26
Risk factors for postoperative pneumonia. Garibaldi RA, et al. **Am J Med** 1981 Mar;70(3):677–80
Chronic granulocytic leukemia and carcinoma of the cervix in situ following renal transplantation. Hilario R, et al. **Am J Med Sci** 1980 Sep–Oct;280(2):115–8
Chronic venosus obstruction as a factor in the early failure of bypass grafts in the leg. Filippone ND, et al. **Am J Surg** 1980 Nov;140(5):671–4
Bladder dysfunction after low anterior resection for mid-rectal cancer. Kirkegaard P, et al. **Am J Surg** 1981 Feb;141(2):266–8
Vein graft stenosis. Characteristics and effect of treatment. Sladen JG, et al. **Am J Surg** 1981 May;141(5):549–53
Coagulopathy associated with peritoneovenous shunting. Tawes RL Jr, et al. **Am J Surg** 1981 Jul;142(1):51–5
Morbidity after outpatient anaesthesia. A comparison of two techniques of endotracheal anaesthesia for dental surgery. Heneghan C, et al. **Anaesthesia** 1981 Jan;36(1):4–9
Bilateral vocal cord paralysis [letter] Holl-Allen RT. **Anaesthesia** 1981 Feb;36(2):221–2
Discontinuance of nitrous oxide does not prevent tension pneumocephalus. Friedman GA, et al. **Anesth Analg (Cleve)** 1981 Jan;60(1):57–8
Postoperative paralysis of phrenic and recurrent laryngeal nerves. Baraka A, et al. **Anesthesiology** 1981 Jul;55(1):78–80
Hypoxemia following cardiopulmonary bypass. Byrick RJ, et al. **Anesthesiology** 1980 Aug;53(2):172–4
Postoperative seizure activity following enflurane anesthesia. Kruczek M, et al. **Anesthesiology** 1980 Aug;53(2):175–6
Cough caused by exposed endobronchial sutures. Albertini RE. **Ann Intern Med** 1981 Feb;94(2):205–6
Disseminated Mycobacterium marinum infection after renal transplantation. Gombert ME, et al. **Ann Intern Med** 1981 Apr;94(4 pt 1):486–7
Iridoschisis: a case report. Zimmerman TJ, et al. **Ann Ophthalmol** 1981 Mar;13(3):297–8
Constrictive pericarditis following cardiac surgery. Rice PL, et al. **Ann Thorac Surg** 1981 May;31(5):450–3
Immobilization of disc heart valves by unraveled sutures. Starek PJ. **Ann Thorac Surg** 1981 Jan;31(1):66–9
Herpes simplex type 1 hepatitis in renal transplantation. Elliott WC, et al. **Arch Intern Med** 1980 Dec; 140(12):1656–60
Vitreous disturbance following discission [letter] Verne AZ, et al. **Arch Ophthalmol** 1980 Sep;98(9):1656
Fracture hip prostheses due to welding defects. Kousbroek R, et al. **Arch Orthop Trauma Surg** 1981;98(1):51–6
Pitfalls after laryngectomy and neoglottis formation. Mann W, et al. **Arch Otorhinolaryngol** 1980;226(4):207–11
Obstruction of defunctionalized small bowel: its occurrence after bypass surgery for morbid obesity. Aitken DR, et al. **Arch Surg** 1980 Sep;115(9):1031–6
Bacterial endocarditis in the critically ill surgical patient. Powell DC, et al. **Arch Surg** 1981 Mar;116(3):311–4
Effect of atropine premedication on respiratory complication [letter] Jones CC, et al. **Br J Anaesth** 1981 Apr;53(4):441
Hypotension during and after operation in glucocorticoid-treated patients. Knudsen L, et al. **Br J Anaesth** 1981 Mar;53(3):295–301
Spinal and general anaesthesia in total hip replacement: frequency of deep vein thrombosis. Thorburn J, et al. **Br J Anaesth** 1980 Nov;52(11):1117–21
Postoperative deep vein thrombosis caused by intravenous fluids during surgery. Janvrin SB, et al. **Br J Surg** 1980 Oct;67(10):690–3
Factitious diarrhoea from a Kock continent ileostomy—a cautionary tale. Thompson J, et al. **Br J Surg** 1981 Jun; 68(6):441–2
A prospective study of sexual function after major colorectal surgery. Williams JT, et al. **Br J Surg** 1980 Nov; 67(11):772–4
Deep vein thrombosis and anaesthetic technique in emergency hip surgery. Davis FM, et al. **Br Med J** 1980 Dec 6;281(6254):1528–9
Anthropometric and dynamometric variables and serious postoperative complications [letter] Parnell RW. **Br Med J** 1980 Oct 18;281(6247):1071
Toxic shock syndrome [letter] Knudsen F, et al. **Br Med J [Clin Res]** 1981 Jan 31;282(6261):399
Bleomycin and subsequent anaesthesia: a retrospective study at Vancouver General Hospital. Douglas MJ, et al. **Can Anaesth Soc J** 1980 Sep;27(5):449–52
Post-operative sore throat [letter] Youngberg JA. **Can Anaesth Soc J** 1980 Sep;27(5):512–3
Hypertension following myocardial revascularization: its prevalence and etiology. Landymore RW, et al. **Can J Surg** 1980 Sep;23(5):468–70
Acute cholecystitis following the surgical treatment of spinal deformities in the adult: a report of three cases. Floman Y, et al. **Clin Orthop** 1980 Sep;(151):205–9
Nutritional status of orthopedic patients with surgical complications. Pratt WB, et al. **Clin Orthop** 1981 Mar–Apr; (155):81–4
Use of the tourniquet during surgery in patients with sickle cell hemoglobinopathies. Stein RE, et al. **Clin Orthop** 1980 Sep;(151):231–3
Eighteen-year report on stapedectomy. III. Postoperative complications. Causse J, et al. **Clin Otolaryngol** 1980 Dec; 5(6):397–402
A retrospective survey of female sterilisation for the years 1968 to 1973. Analysis of morbidity and post-sterilisation complications for 5 years. Newton JR, et al. **Contraception** 1980 Sep;22(3):295–312
Acute onset of folate deficiency in patients under intensive care. Beard ME, et al. **Crit Care Med** 1980 Sep;8(9):500–3
Effect of the intra-aortic balloon pump upon postoperative renal function in man. Hilberman M, et al. **Crit Care Med** 1981 Feb;9(2):85–9
Late results of initially-successfully vitrectomy in diabetes. Rice TA, et al. **Dev Ophthalmol** 1981;2:286–94
Postoperative maxillary cyst. Ohba T, et al. **Int J Oral Surg** 1980 Dec;9(6):480–3
Erysipeloid of Rosenbach a postoperative complication. Ary KR Jr, et al. **J Am Podiatry Assoc** 1981 Jan;71(1):40–1
Scoliosis after thoracotomy in tracheoesophageal fistula patients. A follow-up study. Durning RP, et al. **J Bone Joint Surg [Am]** 1980 Oct;62(7):1156–9
The Freeman-Swanson ICLH total knee arthroplasty. Complications and problems. Goldberg VM, et al. **J Bone Joint Surg [Am]** 1980 Dec;62(8):1338–44
Two unusual operative complications in the carpal-tunnel syndrome. A report of two cases. Inglis AE. **J Bone Joint Surg [Am]** 1980 Oct;62(7):1208–9
Dislocation of the hip following Ender nailing. A case report. Iwegbu CG. **J Bone Joint Surg [Am]** 1981 Jun; 63A(5):839–41
Complications of spinal and epidural anesthesia. Katz J, et al. **J Bone Joint Surg [Am]** 1980 Oct;62(7):1219–22
Guepar total knee prosthesis. Experience at the Vancouver General Hospital. leNobel J, et al. **J Bone Joint Surg [Br]** 1981 Aug;63-B(2):257–60
The natural history and aetiology of deep vein thrombosis after total hip replacement. Sikorski JM, et al. **J Bone Joint Surg [Br]** 1981 Aug;63-B(2):171–7
Leakage across the premoulded dacron baffle used for correction of transposition of the great arteries. Mohri H, et al. **J Cardiovasc Surg (Torino)** 1980 Jul–Aug;21(4):417–22
Skin abscess caused by Candida albicans: unusual presentation of C. albicans disease. Feldman WE, et al. **J Clin Microbiol** 1980 Jul;12(1):44–5
Hallux adductus as a surgical complication. Feinstein MH, et al. **J Foot Surg** 1980 Winter;19(4):207–11
The hazard of cigarette smoking following digital replantation. Harris GD, et al. **J Microsurg** 1980 Mar–Apr; 1(5):403–4
'Painful legs and moving toes': the role of trauma. Schott GD. **J Neurol Neurosurg Psychiatry** 1981 Apr;44(4):344–6
Cortical deafness—a case report and review of the literature. Graham J, et al. **J Neurol Sci** 1980 OCT;48(1):35–49
Acute dissecting hematoma: a complication of oral and maxillofacial surgery. Goldstein BH. **J Oral Surg** 1981 Jan; 39(1):40–3
Postsurgical hemorrhage resulting from a drug-induced circulating anticoagulant: report of case. Nersasian RR, et al. **J Oral Surg** 1980 Sep;38(9):688–90
Separation of neointima from Dacron graft causing obstruction. Case following Fontan procedure for tricuspid atresia. Ben-Shachar G, et al. **J Thorac Cardiovasc Surg** 1981 Aug;82(2):268–71
Pathological study of infective endocarditis on Hancock porcine bioprostheses. Bortolotti U, et al. **J Thorac Cardiovasc Surg** 1981 Jun;81(6):934–42
Thrombosis of a St. Jude Medical tricuspid prosthesis. Case report. Bowen TE, et al. **J Thorac Cardiovasc Surg** 1981 Aug;82(2):257–62
Leg wound complications associated with coronary revascularization. DeLaria GA, et al. **J Thorac Cardiovasc Surg** 1981 Mar;81(3):403–7
Coronary ostial stenosis following aortic valve replacement without continuous coronary perfusion. Force TL, et al. **J Thorac Cardiovasc Surg** 1980 Oct;80(4):637–41
Delayed pulmonary complications of ventricular aneurysm repair. Report of two cases and review of the literature.

Fudge TL, et al. **J Thorac Cardiovasc Surg** 1981 Mar; 81(3):400–2

Calcific stenosis of a glutaraldehyde-treated porcine bioprosthesis in the aortic position. Gordon MH, et al. **J Thorac Cardiovasc Surg** 1980 Nov;80(5):788–91

Candida esophagitis following cardiac operation and short-term antibiotic prophylaxis. Gundry SR, et al. **J Thorac Cardiovasc Surg** 1980 Nov;80(5):661–8

Fusion of prosthetic valve during left heart bypass. Myers JL, et al. **J Thorac Cardiovasc Surg** 1981 Aug;82(2):263–7

Successive appearance of carcinoma, tuberculosis and nephrolithiasis in a renal allograft. Dubernard JM, et al. **J Urol** 1980 Oct;124(4):540–2

Thromboembolism after surgery [letter] Ehrlich GE. **JAMA** 1981 Apr 3;245(13):1315

Long-term middle ear ventilation. Per-Lee JH. **Laryngoscope** 1981 Jul;91(7):1063–73

Complications and problems associated with total joint replacement. Gardner RC. **Med Trial Tech Q** 1981 Winter; 28(3):322–30

Cortical damage from Zenker's solution applied to the dura mater. McComb JG, et al. **Neurosurgery** 1981 Jan; 8(1):68–71

Saphenous neuropathy: following coronary artery bypass surgery. Chauhan BM, et al. **NY State J Med** 1981 Feb; 81(2):222–3

Complications in 1,000 consecutive intracapsular cataract extractions. François J, et al. **Ophthalmologica** 1980; 180(3):121–8

Risk of gallstone formation after jejunoileal bypass increases more with a 1:3 than with a 3:1 jejunoileal ratio. Sørensen TI, et al. **Scand J Gastroenterol** 1980;15(8):979–84

Subdural hematoma secondary to CSF ventricular shunt. Baldini M, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1980;127(1):5–14

Respiratory care in cardiac failure and pulmonary embolism. Austin GL, et al. **Surg Clin North Am** 1980 Dec; 60(6):1565–77

Consequences of malnutrition in the surgical patient. Mullen JL. **Surg Clin North Am** 1981 Jun;61(3):465–87 (55 ref.)

Persistent postoperative hyperparathyroidism. Martin JK Jr, et al. **Surg Gynecol Obstet** 1980 Dec;151(6):764–8

Malaria complicating open-heart surgery. Mok CK, et al. **Thorax** 1980 May;35(5):389–91

Mechanism of implant inflammation. Galin MA, et al. **Trans Ophthalmol Soc UK** 1980 Apr;100(Pt 1):229–30

Phycomycosis as postoperative complication of urologic surgery. Heinemann S. **Urology** 1981 Jan;17(1):65–7

Lymphatic complications in renal allografts--a new look. Pontes JE, et al. **Urology** 1981 Jan;17(1):26–8

Dermatitis due to zinc deficiency associated with prolonged malnutrition and total parenteral nutrition. Hamit HF, et al. **World J Surg** 1980 Nov;4(6):693–8

Ureterosigmoidostomy and cancer of the colon. Report of a case. Georgacopulo P, et al. **Z Kinderchir Grenzgeb** 1980 Jul;30(3):280–3

Complications of shunt operations performed in 206 children because of communicating hydrocephalus. Huber ZA. **Zentralbl Neurochir** 1981;42(2–3):165–8

[Late complication following glaucoma surgery] Breebaart AC. **Ned Tijdschr Geneeskd** 1980 Oct 25;124(43):1809–11 **(Dut)**

[An unexpected complication following heart surgery] Knot EA, et al. **Ned Tijdschr Geneeskd** 1981 Jul 11; 125(28):1105–6 **(Dut)**

[Minimal encephalitis in patients with renal transplant. Clinicopathological study and discussion of the role of the cytomegalovirus (author's transl)] Mullier JP, et al. **Acta Neurol Belg** 1980 May–Jun;80(3):155–64 (Eng. Abstr.) **(Fre)**

[Place for and technic of keratoprosthesis] Baïkoff G, et al. **Bull Mem Soc Fr Ophtalmol** 1980;92:282–8 **(Fre)**

[Complications of vitreous surgery] Saccol G, et al. **Bull Mem Soc Fr Ophtalmol** 1980;92:165–8 **(Fre)**

[Complications in 1000 consecutive intracapsular cataract extractions] François J, et al. **Bull Soc Belge Ophtalmol** 1980;187(2):59–70 (Eng. Abstr.) **(Fre)**

[Vaginal hysterectomy. Our experience between the years 1970 to 1979 (556 operations) (author's transl)] Dargent D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980; 9(8):895–908 (Eng. Abstr.) **(Fre)**

[False aneurysm appearing 20 years after repair of a subisthmic stenosis of the thoracic aorta (author's transl)] Van Der Stricht J, et al. **J Mal Vasc** 1980;5(1):17–20 (Eng. Abstr.) **(Fre)**

[Pulmonary complications after thoracotomy for bronchial carcinoma (author's transl)] Hahnloser P, et al. **Ther Umsch** 1981 Feb;38(2):118–21 (Eng. Abstr.) **(Fre)**

[Intraoperative cardiac arrest and postoperative coma secondary to flunitrazepam (Rohypnol) (author's transl)] Janda A, et al. **Anaesth Intensivther Notfallmed** 1980 Oct; 15(5):432–6 (Eng. Abstr.) **(Ger)**

[Somatic complications in abortion] Wille R, et al. **Beitr Gerichtl Med** 1980;38:17–9 (Eng. Abstr.) **(Ger)**

[Complications in total endoprosthesis of the hip] Maess M, et al. **Beitr Orthop Traumatol** 1981 May;28(5):263–8 (Eng. Abstr.) **(Ger)**

[Treatment of meniscus lesions: personal results] Fux HD, et al. **Chirurg** 1981 Apr;52(4):275–80 (Eng. Abstr.) **(Ger)**

[Surgical complications after radioenterocolitis (author's transl)] Friedrich HJ, et al. **Dtsch Z Verdau Stoffwechselkr** 1981;41(3):153–9 (Eng. Abstr.) **(Ger)**

[Adverse effects of tonsillectomy in singers] Flach M, et al. **Folia Phoniatr (Basel)** 1980;32(4):342–6 (Eng. Abstr.) **(Ger)**

[Shortening of the middle hand in serious open middle hand fractures] Pogglitsch H. **Hefte Unfallheilkd** 1980;(141):58–9 **(Ger)**

[Residual pneumothorax following lobectomy] Famos M, et al. **Helv Chir Acta** 1980 Jun;47(1–2):33–6 (Eng. Abstr.) **(Ger)**

[Thrombosis of the internal carotid artery following blunt surgical trauma (author's transl)] Ganz H, et al. **HNO** 1980 May;28(5):167–70 (Eng. Abstr.) **(Ger)**

[Reasons for postoperative deterioration of visual fields in cases of advanced primary open-angle glaucoma (author's transl)] Dannheim R, et al. **Klin Monatsbl Augenheilkd** 1981 Jan;178(1):65–7 (Eng. Abstr.) **(Ger)**

[Rubeosis iridis following pars plana vitrectomy (author's transl)] Laqua H. **Klin Monatsbl Augenheilkd** 1980 Jul; 177(1):24–30 (Eng. Abstr.) **(Ger)**

[Secondary cataract in aphakic children (author's transl)] Meyner EM. **Klin Monatsbl Augenheilkd** 1980 Jun; 176(6):922–32 (Eng. Abstr.) **(Ger)**

[Sphincter function after rectal resection with peranal anastomosis (author's transl)] Gross E, et al. **Langenbecks Arch Chir** 1980;353(3):207–16 (Eng. Abstr.) **(Ger)**

[Hemorrhage following tonsillectomy: causes, prevention and therapeutic measures] Gastpar H. **Laryngol Rhinol Otol (Stuttg)** 1981 Jan;60(1):1–3 **(Ger)**

[The adhesive process. Part II: Research on pathogenesis (author's transl)] Koch U. **Laryngol Rhinol Otol (Stuttg)** 1980 Oct;59(10):655–65 (Eng. Abstr.) **(Ger)**

[An attempt at explaining ophthalmoplegia and amaurosis following videctomy (author's transl)] Krmpotić-Nemanić J, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Mar;60(3):147–8 (Eng. Abstr.) **(Ger)**

[A rare complication: disorder of taste-function after tonsillectomy (author's transl)] Rieder C. **Laryngol Rhinol Otol (Stuttg)** 1981 Jun;60(6):342 (Eng. Abstr.) **(Ger)**

[Ocular motility disturbances following frontal sinus operations (author's transl)] Schroeder HG, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Mar;60(3):113–6 (Eng. Abstr.) **(Ger)**

[Postoperative hematomas and wound healing disorders with preventive low dose use of heparin and heparin/dihydroergotamine] Briel RC, et al. **Med Welt** 1981 May 8;32(19):732–4 **(Ger)**

[Urological problems in kidney transplantation] Chaussy C, et al. **Med Welt** 1980 Nov 21;31(47):1720–2 **(Ger)**

[Obstructive icterus – a risk factor for postoperative stress ulcer hemorrhage] Lauterbach HH, et al. **Med Welt** 1980 May 9;31(19):706–8 **(Ger)**

[Failure following fertility vasectomy] Mellin HE, et al. **Med Welt** 1980 Nov 21;31(47):1723–4 **(Ger)**

[Stoma problem in supravesicular urinary diversion] Schilling A, et al. **Med Welt** 1980 Nov 21;31(47):1717–9 **(Ger)**

[Sensation disorders following saphenous vein excision] Aigner R, et al. **MMW** 1980 Sep 19;122(38):1305–7 **(Ger)**

[Massive tongue hemorrhage following resection of a congenital neck fistula] Uherek-Straszko H, et al. **MMW** 1981 Jan 9;123(2):45–6 **(Ger)**

[The operated ASDI (author's transl)] Schlemmer M, et al. **Paediatr Padol** 1981;16(3):363–71 (Eng. Abstr.) **(Ger)**

[Fractures of the neck of the femur in children (author's transl)] Maroske D, et al. **Unfallheilkunde** 1981 May; 84(5):186–93 (Eng. Abstr.) **(Ger)**

[Postoperative deep vein thrombosis after tourniquet (author's transl)] Weber U, et al. **Unfallheilkunde** 1980 Oct; 83(10):504–8 (Eng. Abstr.) **(Ger)**

[Complaints following cholecystectomy] Teichmann W, et al. **Z Gesamte Inn Med** 1980 Aug 15;35(16):676–8 (Eng. Abstr.) **(Ger)**

[Respiratory disturbances caused by vascular tracheal compression after repair of oesophageal atresia (author's transl)] Booss D, et al. **Z Kinderchir Grenzgeb** 1980 Jun; 30(2):125–33 (Eng. Abstr.) **(Ger)**

[Perforations of stomach and bowel in the newborn, postoperative problems (author's transl)] Dzieniszewski GP, et al. **Z Kinderchir Grenzgeb** 1980 May;30(1):53–6 (Eng. Abstr.) **(Ger)**

[The postoperative course following antireflux operations for vesico ureteral reflux (author's transl)] Feller AM, et al. **Z Kinderchir Grenzgeb** 1980 May;30(1):73–6 (Eng. Abstr.) **(Ger)**

[Postoperative complications in Hirschsprung's disease (author's transl)] Hofmann-von Kap-herr S, et al. **Z Kinderchir Grenzgeb** 1980 May;30(1):49–52 (Eng. Abstr.) **(Ger)**

[Circadian rhythm in response to surgery and postoperative complications in childhood (author's transl)] Höpner F, et al. **Z Kinderchir Grenzgeb** 1980 May;30(1):60–9 (Eng. Abstr.) **(Ger)**

[long term results following surgical correction of syndactylia (author's transl)] Piza H, et al. **Z Kinderchir Grenzgeb** 1980 Jul;30 Suppl:57–60 (Eng. Abstr.) **(Ger)**

[Pitfalls in surgery of syndactylism (author's transl)] Reuter G. **Z Kinderchir Grenzgeb** 1980 Jul;30 Suppl:61–3 (Eng. Abstr.) **(Ger)**

[Disturbed postoperative course in the treatment of necrotizing enterocolitis (NEC) (author's transl)] Schweizer P, et al. **Z Kinderchir Grenzgeb** 1980 May; 30(1):26–9 (Eng. Abstr.) **(Ger)**

[Mediastinal complications following retropleural operation for oesophageal atresias (author's transl)] Steil E, et al. **Z Kinderchir Grenzgeb** 1980 May;30(1):33–4 (Eng. Abstr.) **(Ger)**

[What do we know about postreconstructive edema?] Helmig L. **Z Lymphol** 1980 Sep;4(2):43–50 **(Ger)**

[Breast areola and nipple sensitivity after reduction mammoplasty] Toennissen J, et al. **Z Plast Chir** 1981 Mar; 5(1):15–22 (Eng. Abstr.) **(Ger)**

[Postoperative heart infection caused by M. fortuitum (author's transl)] Schröder KH, et al. **Zentralbl Bakteriol [A]** 1980;247(4):557–62 (Eng. Abstr.) **(Ger)**

[Delivery following caesarean section (author's transl)] Prügel P, et al. **Zentralbl Gynaekol** 1981;103(9):515–9 (Eng. Abstr.) **(Ger)**

[Studies into late morbidity following interruption of pregnancy (author's transl)] Scholz A. **Zentralbl Gynaekol** 1981;103(9):488–92 (Eng. Abstr.) **(Ger)**

[Postoperative compression and regeneration following ulnar nerve transposition] Gerl A, et al. **Zentralbl Neurochir** 1980; 41(2):149–66 (Eng. Abstr.) **(Ger)**

[Fracture of the collum of femur as a consequence of disturbed function in patients with resected stomach (Billroth II) (author's transl)] Häntzschel U, et al. **ZFA (Dresden)** 1980;35(6):461–9 (Eng. Abstr.) **(Ger)**

[Case report of vertebral osteomyelitis following operation for herniated disk (author's transl)] Bakay E, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1980; 23(2):123–7 (Eng. Abstr.) **(Hun)**

[Late septic complications of internal fixations (author's transl)] Bálványossy P, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1980; 23(2):104–14 (Eng. Abstr.) **(Hun)**

[Early postoperative complications of radical and palliative surgery in stomach cancer] Pugno V, et al. **Ann Ital Chir** 1979;51(2):219–32 **(Ita)**

[Paralytic ileus in abdominal aorta surgery. An experimental study. I. Etiopathogenesis] Bresadola F, et al. **Chir Patol Sper** 1979 Feb;27(1):32–52 (Eng. Abstr.) **(Ita)**

[Complications after the treatment of mandibular malformations using a modified Dal Ponto method] Cwioro F, et al. **Czas Stomatol** 1981 Feb;34(2):183–6 (Eng. Abstr.) **(Pol)**

[Various aspects of postextraction bacteremia] Wanyura H, et al. **Czas Stomatol** 1980 Nov;33(11):1001–4 (41 ref.) (Eng. Abstr.) **(Pol)**

[Nature and dynamics of postextraction bacteremia] Wanyura H, et al. **Czas Stomatol** 1981 Jan;34(1):21–6 (Eng. Abstr.) **(Pol)**

[Assessment of vitreous state after uncomplicated intracapsular operations for senile cataract: II. State of the vitreous chamber (author's transl)] Gogołkiewicz J. **Klin Oczna** 1980 Sep;82(9):451–2 (Eng. Abstr.) **(Pol)**

[Disorders of acid-base equilibrium in the cerebrospinal fluid after intracranial operations] Zwoliński J, et al. **Neurol Neurochir Pol** 1980 May–Jun;14(3):313–9 (Eng. Abstr.) **(Pol)**

[Hypnogogic hallucinations and delirium after an operation under peridural anesthesia] Bel'shov VV. **Anesteziol Reanimatol** 1980 Aug;(4):64 **(Rus)**

[Causes of bronchial stump incompetence (clinical and morphological parallels)] Manevich VL, et al. **Grudn Khir** 1981 Mar–Apr;(2):43–6 (Eng. Abstr.) **(Rus)**

[Pathogenesis and prevention of postoperative pneumonia in the remaining lung] Savonicheva IP, et al. **Grudn Khir** 1981 Jul–Aug;(4):71–5 (Eng. Abstr.) **(Rus)**

[Septic endocarditis due to Gram-negative nonfermenting flora after open-heart operations] Konstantinov BA, et al. **Khirurgiia (Mosk)** 1981 May;(5):88–92 **(Rus)**

[Acute gastroduodenal ulcers after the correction of rheumatic heart defects] Krivchenia DIu, et al. **Khirurgiia (Mosk)** 1980 Sep;(9):31–4 **(Rus)**

[Early complications after operations on the biliary tracts] Magdiev TSh, et al. **Khirurgiia (Mosk)** 1981 Jan;(1):89–93 (Eng. Abstr.) **(Rus)**

[Role of blood volume disorders in the pathogenesis of postoperative complications in breast cancer patients] Mogilevskii IL, et al. **Khirurgiia (Mosk)** 1980 Oct;(10):10–3 **(Rus)**

[Chylothorax in operations on the esophagus] Mustafin DG, et al. **Khirurgiia (Mosk)** 1981 Feb;(2):109–10 **(Rus)**

[Postalimetary asthenia in patients who have undergone a cholecystectomy] Bereza NM. **Klin Khir** 1980 Sep;(9):65–6 **(Rus)**

[Changes in gastric secretory and motor functions after surgical interventions as possible factors in the formation of acute gastroduodenal ulcers] Korotkii VN, et al. **Klin Khir** 1980 Aug;(8):29–31 (Eng. Abstr.) **(Rus)**

[Pleural empyema as a complication of surgical pathology of the abdominal organs] Mil'kov BO, et al. **Klin Khir** 1981 Jan;(1):53–4 **(Rus)**

[Stress ulcer after closure of the ductus arteriosus] Zargarli FI, et al. **Klin Khir** 1980 Aug;(8):56 **(Rus)**

[Causes of the postcholecystectomy syndrome] Donskaia LV. **Klin Med (Mosk)** 1981 May;59(5):46–8 (Eng. Abstr.) **(Rus)**

[Reasons for tuberculosis reactivation after a lung resection]

Kakitelashvili IaV, et al. **Probl Tuberk** 1980 Sep;(9):15–8 (Eng. Abstr.) **(Rus)**

[Acute pancreatitis as a complication after operations for stomach cancer] Berezov IuE, et al. **Sov Med** 1980;(11):100–2 **(Rus)**

[Thromboembolism of the pulmonary vessels after scheduled gynecological laparotomies] Savitskiĭ GA, et al. **Sov Med** 1980;(11):95–7 **(Rus)**

[Role of leukocytic enzymes in the pathogenesis of surgical and postoperative hemorrhage in prostatic adenoma] Gonchar MA, et al. **Urol Nefrol (Mosk)** 1981 Mar–Apr;(2):46–51 (Eng. Abstr.) **(Rus)**

[Reasons for the removal of a kidney allograft] Goriunov VG, et al. **Urol Nefrol (Mosk)** 1981 Jan–Feb;(1):49–53 (Eng. Abstr.) **(Rus)**

[Urinary fistulae after kidney allograft] Kleĭza VIu, et al. **Urol Nefrol (Mosk)** 1981 Mar–Apr;(2):11–5 (Eng. Abstr.) **(Rus)**

[Acute pyelonephritis of the transplanted kidney] Lopatkin NA, et al. **Urol Nefrol (Mosk)** 1981 Mar–Apr;(2):3–8 (Eng. Abstr.) **(Rus)**

[Postoperative adhesive intestinal obstruction] Kovalev MM, et al. **Vestn Khir** 1980 Oct;125(10):102–5 (Eng. Abstr.) **(Rus)**

[The state of the surfactant system and postoperative lung complications] Leosko VA, et al. **Vestn Khir** 1980 Aug; 125(8):9–13 (Eng. Abstr.) **(Rus)**

[Intestinal ischemia after aortoiliac reconstructions] Lytkin MI, et al. **Vestn Khir** 1980 Sep;125(9):3–7 (Eng. Abstr.) **(Rus)**

[Achylia gastrica as a late complication of the isolated ventriculus operation in monkeys] Startsev VG, et al. **Vestn Khir** 1981 Mar;126(3):66–7 **(Rus)**

[Postoperative complications in the surgical treatment of fractures of the pelvic bones] Treshchev VS. **Vestn Khir** 1981;126(5):107–10 **(Rus)**

[Relationship of astigmatism to the incision and the technic of sealing the wound in cataract extract operations] Avetisov SE. **Vestn Oftalmol** 1980 Sep–Oct;(5):43–6 **(Rus)**

[Role of extraocular factors in the formation of external filtration fistula] Kolesnikova LN, et al. **Vestn Oftalmol** 1980 Nov–Dec;(6):16–8 (Eng. Abstr.) **(Rus)**

[Complications during the submucosal resection of the nasal septum and immediately after the operation] Protasevich GS. **Vestn Otorinolaringol** 1981 Mar–Apr;(2):78–83 (92 ref.) **(Rus)**

[Hemolytic anemia after the surgical correction of heart defects in children] Serbin VI, et al. **Vopr Okhr Materin Det** 1980 Aug;25(8):41–4 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Hepatic malignancy after renal transplantation in an HBsAg positive patient. Chan MK, et al. **Br J Clin Pract** 1980 Oct;34(10):294–5

Suppressor lymphocytes during open heart surgery. Salo M, et al. **J Clin Lab Immunol** 1981 May;5(3):159–63

Immunologic consequences of neonatal splenectomy. Merikanto J, et al. **J Pediatr Surg** 1980 Oct;15(5):651–4

Early diagnosis of cytomegalovirus infection in renal transplantation. Feletti C, et al. **Proc Eur Dial Transplant Assoc** 1980;17:473–7

Polymorphonuclear function in patients with skin and joint symptoms after small-intestinal shunt operations. Palmblad J, et al. **Scand J Gastroenterol** 1980;15(3):315–9

Postsplenectomy immunologic impairment. Seybold HM, et al. **Tex Med** 1981 Jun;77(6):60–2

METABOLISM

Sepsis, glucose intolerance, and protein malnutrition: a metabolic paradox. Dahn M, et al. **Arch Surg** 1980 Dec; 115(12):1415–8

Pathogenetic significance of bile acid metabolism in the postcholecystectomy syndrome. Iwamura K. **Tokai J Exp Clin Med** 1980 Apr;5(2):217–32

[Protein absorption after bilio–pancreatic bypass for obesity] Gianetta E, et al. **Minerva Dietol Gastroenterol** 1980 Oct–Dec;26(4):251–6 (Eng. Abstr.) **(Ita)**

[Assimilability of different fatty acids in the digestive tract of patients with a malabsorption syndrome following extensive resection of the small intestine] Beiul EA, et al. **Vopr Med Khim** 1980 May–Jun;26(3):381–4 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Department of Anesthesia Stanford University School of Medicine, California. Feeley TW, et al. **Anesthesiology** 1981 May;54(5):369–72

Failure of bacterial filters to reduce the incidence of pneumonia after inhalation anesthesia. Garibaldi RA, et al. **Anesthesiology** 1981 May;54(5):364–8

Inflammatory pathology in the dental system in renal transplantation. Krekeler G, et al. **Int J Oral Surg** 1980 Oct;9(5):383–6

Bacteraemia due to a rifampicin-resistant strain of Bacteroides fragilis. Bullock DW, et al. **J Clin Pathol** 1981 Jan;34(1):87–9

Aortic graft infection; secondary to diverticular abscess. Krieger KH, et al. **NY State J Med** 1980 Sep; 80(10):1608–10

[Post-operative meningitis due to obligatory anaerobic bacteria: 3 case reports (letter)] De Rautlin De La Roy Y, et al. **Nouv Presse Med** 1980 May 31;9(24):1712 **(Fre)**

[Transferrable bacterial resistance in the intestinal flora of gynecological surgery patients after prophylactic antibiotic therapy] Calzolari E, et al. **Minerva Ginecol** 1980 Jul–Aug; 32(7–8):675–81 (Eng. Abstr.) **(Ita)**

[Role of facultative pathogenic anaerobes in the etiology of postoperative complications] Nemchenko VI, et al. **Vestn Khir** 1980 Jul;125(7):137–40 (25 ref.) **(Rus)**

MORTALITY

Operative mortality following surgery for carcinoma of the pancreas. Shead G, et al. **Aust NZ J Surg** 1980 Oct; 50(5):459–62

Cardiac valve replacement in elderly patients. Jamieson WR, et al. **Can Med Assoc J** 1980 Oct 7;123(7):628–32

Surgical mortality in an aneurysm population: effects of age, blood pressure and preoperative neurological state. Fortuny LA, et al. **J Neurol Neurosurg Psychiatry** 1980 Oct;43(10):879–82

Cardiac transplantation: expectations and limitations. Hastillo A, et al. **Mod Concepts Cardiovasc Dis** 1981 Mar;50(3):13–8

Incidence of reamputation and death after gangrene of the lower extremity. Ebskov B, et al. **Prosthet Orthot Int** 1980 Aug;4(2):77–80

Anesthesia review for small hospitals: a study focused on intraoperative and postoperative mortality. Roller FD, et al. **QRB** 1981 Mar;7(3):25–7

[Complications in long-term survivors of cardiac transplantation. Bieber CP, et al. **Transplant Proc** 1981 Mar; 13(1 Pt 1):207–11

[Survival following surgery for bronchopulmonary cancer. Results after five years] Brand U, et al. **Helv Chir Acta** 1980 Jun;47(1–2):41–5 (Eng. Abstr.) **(Fre)**

[Operative mortality in esophageal resection for cancer (study of 54 consecutive resections)] Delaby JP, et al. **Lille Med** 1980 Aug–Sep;25(7):339–45 (Eng. Abstr.) **(Fre)**

[Early cardiac failure after heart valve surgery and extra-corporeal circulation] Slimane ML, et al. **Tunis Med** 1981 May–Jun;59(3):187–91 (Eng. Abstr.) **(Fre)**

[Bilirubin, postoperative stress ulcer and mortality (letter)] Lauterbach HH. **Dtsch Med Wochenschr** 1980 Aug 15; 105(33):1160 **(Ger)**

[Proximal femoral fracture in old patients is still associated with a high risk] Oehler WD. **Med Welt** 1981 Feb 27; 32(9):297–8 **(Ger)**

[Longevity after operated stomach tumors] Taoussanis K. **Ther Ggw** 1981 Jul;120(7):637–44 **(Ger)**

[Complications and survival rate following operations for omphalocele and gastroschisis (author's transl)] Nüllen H, et al. **Z Kinderchir Grenzgeb** 1980 May;30(1):41–5 **(Ger)**

[The postoperative mortality rate in paediatric surgery (author's transl)] Schickedanz H, et al. **Zentralbl Chir** 1980; 105(22):1499–502 (Eng. Abstr.) **(Ger)**

[Postoperative mortality rates in a general surgical unit] Teutsch W. **Zentralbl Chir** 1980;105(23):1567–72 (Eng. Abstr.) **(Ger)**

[Febrile morbidity in gynecological surgery. Communication between the vagina and the peritoneal cavity as the principle etiopathogenic factor] Ferrari A, et al. **Ann Ostet Ginecol Med Perinat** 1980 Sep–Oct;101(5):342–9 (Eng. Abstr.) **(Ita)**

[Analysis of deaths after emergency abdominal surgery] Łącki M, et al. **Wiad Lek** 1980 Aug 1;33(15):1201–6 (Eng. Abstr.) **(Pol)**

[Tolazoline in postoperative period of diaphragmatic hernia (author's transl)] Lassaletta L, et al. **An Esp Pediatr** 1980 Aug;13(8):651–6 (Eng. Abstr.) **(Spa)**

NURSING

Dilemmas in practice: to make live or let die. Davis AJ. **Am J Nurs** 1981 Mar;81(3):582

Resolution of an ethical issue in the hospitalized adult neurosurgical patient. Goldberg C. **J Neurosurg Nurs** 1981 Feb;13(1):12–4

Catheter management programs and postoperative urinary dysfunction. Oberst MT, et al. **Res Nurs Health** 1981 Mar; 4(1):175–81

OCCURRENCE

The incidence of postoperative seizures. Foy PM, et al. **Acta Neurochir (Wien)** 1981;55(3–4):253–64

Infection in the renal transplant recipient. Rubin RH, et al. **Am J Med** 1981 Feb;70(2):405–11

Factors influencing morbidity in termination of pregnancy. Harman CR, et al. **Am J Obstet Gynecol** 1981 Feb 1; 139(3):333–7

The identification of risk factors and their application to the management of obstructive jaundice. Hunt DR. **Aust NZ J Surg** 1980 Oct;50(5):476–80

Complications of anterior resection of the rectum using the EEA stapling device. Cade D, et al. **Br J Surg** 1981 May; 68(5):339–40

The low stapled anastomosis. Heald RJ, et al. **Br J Surg** 1981 May;68(5):333–7

Incidence of postoperative venous thromboembolism in South India. Shead GV, et al. **Br J Surg** 1980 Nov; 67(11):813–4

Incontinence following transurethral resection of the bladder neck in the female. Bhatnagar BN, et al. **Br J Urol** 1981 Feb;53(1):29–34

Vesicoureteric reflux following renal transplantation: a simple method of ureteric implantation. Mitterdorfer AJ, et al. **Br J Urol** 1981 Apr;53(2):111–4

Bacteriaemia and bacteriogenic shock in district hospital urological practice. Robinson MR, et al. **Br J Urol** 1980 Feb;52(1):10–4

After gastrectomy [editorial] **Br Med J [Clin Res]** 1981 Apr 4;282(6270):1096–7

Seizures following intracranial surgery: incidence in the first post-operative week. Matthew E, et al. **Can J Neurol Sci** 1980 Nov;7(4):285–90

Laminar air-flow versus conventional air operating systems: a seven-year patient follow-up. Ritter MA, et al. **Clin Orthop** 1980 Jul–Aug;(150):177–80

Complications of splenectomy. Comparative study of elective, urgent and incidental splenectomy. Wolloch Y, et al. **Isr J Med Sci** 1980 Sep–Oct;16(9–10):655–8

The Medallion lens five years later. Drews RC. **J Am Intraocul Implant Soc** 1981 Jan;7(1):49–54

Tubal sterilization and later hospitalizations. Poma PA. **J Reprod Med** 1980 Nov;25(5):272–8

The Björk–Shiley valve: intermediate-term follow-up. Karp RB, et al. **J Thorac Cardiovasc Surg** 1981 Apr;81(4):602–14

Long-term results following surgical closure of secundum atrial septal defect. Mizuno A, et al. **Jpn Circ J** 1980 Nov; 44(11):904–10

Long-term results following surgical operation of tetralogy of Fallot. Nishioka K, et al. **Jpn Circ J** 1980 Nov; 44(11):911–5

Cesarean section: indications and postoperative morbidity. Farrell SJ, et al. **Obstet Gynecol** 1980 Dec;56(6):696–700

Comparison of success and morbidity in cervical cerclage procedures. Harger JH. **Obstet Gynecol** 1980 Nov; 56(5):543–8

Comparison of complications between in-hospital patients and out patients for aesthetic surgical procedures: a ten-year study. Klein DR, et al. **Plast Reconstr Surg** 1981 Jan;67(1):17–9

Incidence of cancer in renal transplant recipients. Sheil AG, et al. **Proc Eur Dial Transplant Assoc** 1980;17:502–6

Convulsions with meningiomas: incidence and significance. Ramamurthi B, et al. **Surg Neurol** 1980 Dec;14(6):415–6

Short-term adverse effects of antibiotic prophylaxis for open-heart surgery. Freeman R. **Thorax** 1980 Dec; 35(12):941–4

Paradoxical effects of cyclosporin-A in renal allotransplantation. Bachvaroff RJ, et al. **Transplant Proc** 1981 Mar;13(1 Pt 1):415–6

Postoperative infections and variations of complement components in cancer patients. Dominioni L, et al. **Tumori** 1980 Oct 31;66(5):583–93

[Inflammatory complications after gynecologic operations] Istatkov M, et al. **Akush Ginekol (Sofiia)** 1980;19(5–6):531–3 **(Bul)**

[Unfavorable sequelae and complications of one disease untreated at the time of surgery for another disease associated with gallbladder disease] Tasev Kh. **Khirurgiia (Sofiia)** 1981;34(2):137–43 (Eng. Abstr.) **(Bul)**

[Frequency, type and characteristics of ileus after surgical interventions for gynecologic diseases] Tsekov G, et al. **Khirurgiia (Sofiia)** 1980;33(3):200–5 (Eng. Abstr.) **(Bul)**

[Operative risk in cholelithiasis. 5 433 surgical interventions (author's transl)] Chigot JP. **Ann Chir** 1981 Jan;35(1):5–13 (Eng. Abstr.) **(Fre)**

[Current significance of keratopathia neuroparalytica] Weidlich R, et al. **Zentralbl Neurochir** 1980;41(1):69–72 (Eng. Abstr.) **(Ger)**

[Comparative study of old and young patients on their tolerance to major gynecologic surgery] Moggian G, et al. **Minerva Ginecol** 1980 Nov;32(11):1029–34 (Eng. Abstr.) **(Ita)**

[Emotional problems in patients with pacemakers] Borsetti G, et al. **Minerva Psichiatr** 1979 Jan–Mar;20(1):31–6 **(Ita)**

[Surgery complications in a large and small hospital] Arnesen E, et al. **Tidsskr Nor Laegeforen** 1981 Mar;101(7):443–8 (Eng. Abstr.) **(Nor)**

[Frequency of occurrence of postextraction bacteremia] Rajchert-Trzpil M, et al. **Czas Stomatol** 1980 Dec; 33(12):1077–86 (Eng. Abstr.) **(Pol)**

[Complications after lobectomy with resection and plastic repair of the bronchi in lung cancer] Rodionov VV, et al. **Grudn Khir** 1981 Jan–Feb;(1):57–62 (Eng. Abstr.) **(Rus)**

[Complications after reconstructive surgery on the bronchi] Gogishvili ShG, et al. **Klin Khir** 1980 Oct;(10):12–5 (Eng. Abstr.) **(Rus)**

[Complications after operations for acute cholecystitis in the middle-aged and elderly] Myshkin KI, et al. **Klin Khir** 1980 Sep;(9):20–3 (Eng. Abstr.) **(Rus)**

[Postoperative complications in acute cholecystitis] Zaitsev VT, et al. **Klin Khir** 1981 Apr;(4):1–3 **(Rus)**

[Errors, hazards and complications in using metallosynthesis] Diukov IuI. **Ortop Travmatol Protez** 1980 Nov;(11):28–9 (Eng. Abstr.) **(Rus)**

[Complications in the surgical treatment of megaureter in children] Erokhin AP, et al. **Uroi Nefrol (Mosk)** 1981 Jan–Feb;(1):27–30 (Eng. Abstr.) **(Rus)**

[Resistance to the inhibiting action of dexamethasone and the risk of postoperative complications in colonic and rectal cancer] Ostroumova MN, et al. **Vopr Onkol** 1981; 27(4):48–52 (Eng. Abstr.) **(Rus)**

[Computer presentation of postoperative complications in patients treated for acute appendicitis at the surgical clinic in Zagreb during the past 10 years] Cavčić J. **Acta Chir Iugosl** 1980;27 Suppl 1:151–4 (Eng. Abstr.) **(Scr)**

PARASITOLOGY

Babesiosis in post–splenectomy hosts. Teutsch SM, et al. **Am J Trop Med Hyg** 1980 Sep;29(5):738–41

PATHOLOGY

Disturbances of draining due to secondary upward kinking of the cardiac catheter in ventriculo–auricular shunting in adults (anatomical, physical, and pathophysiological remarks). Hassler W, et al. **Acta Neurochir (Wien)** 1980; 55(1–2):99–106

Two cases of progressive multifocal leukoencephalopathy after renal transplantation. Reznik M, et al. **Acta Neuropathol [Suppl] (Berl)** 1981;7:189–91

Heterotopic ossification in upper midline abdominal scars. Orava S, et al. **Ann Chir Gynaecol** 1980;69(3):115–8

The morphology and dynamics of the gastric mucosa after partial gastrectomy. Saukkonen M, et al. **Ann Clin Res** 1981 Jun;13(3):156–8

Effect of implant location on compressibility and capsule formation around miniprostheses in rats, and experimental capsule contracture. Ksander GA, et al. **Ann Plast Surg** 1981 Mar;6(3):182–93

The pathologic findings of epithelial ingrowth. Zavala EY, et al. **Arch Ophthalmol** 1980 Nov;98(11):2007–14

Apolipoprotein B (Apo B) in vein graft atherosclerosis. An immunoperoxidase study. Barboriak JJ, et al. **Atherosclerosis** 1980 Nov;37(3):403–7

Electron microscopic study of epithelial downgrowth after penetrating keratoplasty. Yamaguchi T, et al. **Br J Ophthalmol** 1981 May;65(5):374–82

Pseudo–exfoliation of the lens capsule (exfoliation syndrome) after iridocapsular lensimplantation. Hanssens M, et al. **Bull Soc Belge Ophtalmol** 1980;187(2):71–81

Rapidly progressive coronary artery bypass graft atherosclerosis. Report of a case documented by serial coronary arteriograms and pathologic examination. Hanlon JT, et al. **Chest** 1981 Jan;79(1):96–9

Morphological and dynamic behavior of the gastric mucosa after partial gastrectomy with special reference to the gastroenterostomy area. Saukkonen M, et al. **Hepatogastroenterology** 1980 Feb;27(1):48–56

Hyperosmolar, nonketotic hyperglycaemia and renal allograft function. Abouna GM, et al. **Int Urol Nephrol** 1980;12(2):157–9

The role of the crystalline lens epithelium in postpseudophakos membrane formation. Hiles DA, et al. **J Am Intraocul Implant Soc** 1980 Apr;6(2):141–7

[Postoperative ossifying cicatrices of the abdominal wall] Angelov N, et al. **Khirurgiia (Sofiia)** 1981;34(1):92–3 **(Bul)**

[Cornu cutaneum of a postoperative penile cicatrix with malignant degeneration] Mandevski S, et al. **Khirurgiia (Sofiia)** 1981;34(2):200–2 **(Bul)**

[The pathogenesis of stomach wall necrosis following selective proximal vagotomy] Schwöbel M, et al. **Chirurg** 1981 May;52(5):328–31 (Eng. Abstr.) **(Ger)**

[OPSI—a case of sepsis with a serious course] Freund M, et al. **Internist (Berlin)** 1981 Mar;22(3):175–9 **(Ger)**

[Polyps of the gastric stump (author's transl)] Dirschmid K, et al. **Leben Magen Darm** 1981 Jun;11(3):136–8 (Eng. Abstr.) **(Ger)**

[The prognostic significance of stromal reaction and other histopathological parameters after Wertheim radical hysterectomy (author's transl)] Riss P, et al. **Wien Klin Wochenschr** 1981 May 29;93(11):351–4 (Eng. Abstr.) **(Ger)**

[Polyps of the sigmoid and rectum following ureterosigmoidostomy] Köpp W, et al. **Z Gastroenterol** 1980 Mar;18(3):148–54 (40 ref.) (Eng. Abstr.) **(Ger)**

[Structural and functional alterations of the mucosa of a jejunal segment, interposed isoperistaltically after total gastrectomy according to Longmire–Gütgeman (author's transl)] Lorenz–Meyer H, et al. **Z Gastroenterol** 1981 Jun; 19(6):267–75 (Eng. Abstr.) **(Ger)**

[Mamma augmentation with homoeoplastic fatty tissue. Long term observations (author's transl)] Schrader M, et al. **Z Plast Chir** 1980 Dec;4(4):207–16 (Eng. Abstr.) **(Ger)**

[Necrotic uterine myomatosis—a rare complication following vaginal termination of pregnancy by suction (author's transl)] Gubisch W, et al. **Zentralbl Gynaekol** 1981; 103(8):456–9 (Eng. Abstr.) **(Ger)**

[Intestinal infarct complicating open–heart surgery. A report on a successfully treated case] Covino E, et al. **Minerva Cardioangiol** 1980 Jul–Aug;28(7–8):547–50 (Eng. Abstr.) **(Ita)**

[Microdissection study of nephron growth during compensatory renal hypertrophy and postnatal ontogeny in rats] Goncharevskaia OA, et al. **Arkh Anat Gistol Embriol** 1981 Mar;80(3):89–92 (Eng. Abstr.) **(Rus)**

[Case of acute duodenal ulcer perforation with massive hemorrhage after an operation for aortic coarctation] Obatnin Iuf. **Grudn Khir** 1980 Sep–Oct;(5):83 **(Rus)**

[Pneumothorax in the single lung] Ryzhankov AK, et al. **Grudn Khir** 1981 Jul–Aug;(4):85 **(Rus)**

[Rare complication after plastic repair of the larynx] Riabina VP, et al. **Vestn Otorinolaringol** 1980 Sep–Oct;(5):86–7 **(Rus)**

[Case of death from necrotic enteritis occurring after a truncal vagotomy] Spivak VP, et al. **Vrach Delo** 1980 Sep; (9):39–40 **(Rus)**

[Repercussions of anti–reflux surgery on kidney growth] Alonso Sainz F, et al. **Actas Urol Esp** 1981 Mar–Apr; 5(2):75–8 (Eng. Abstr.) **(Spa)**

[Late postgastrectomy sequellae: primary cancers of the gastric stump] Deus Fombellida J, et al. **Rev Esp Oncol** 1980;27(4):579–600 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Etiology and therapy of cochlear drops following stapedectomy. Causse JB. **Am J Otol** 1980 Apr;1(4):221–4

Premature pulmonary valve opening in a patient with absent tricuspid valve. D'Cruz IA, et al. **Br Heart J** 1980 Dec; 44(6):714–7

Persistence of symptoms of premenstrual tension in hysterectomized women. Bäckström CT, et al. **Br J Obstet Gynaecol** 1981 May;88(5):530–6

Bowel motility after primary resection for colonic obstruction. Frazer ID, et al. **Br J Surg** 1981 Feb; 68(2):113–6

Neural and humoral factors in postoperative ileus. Rennie JA, et al. **Br J Surg** 1980 Oct;67(10):694–8

Persistent pituitary–thyroid dysfunction patients following renal transplantation. Bratusch–Marrain P, et al. **Clin Nephrol** 1980 Aug;14(2):66–70

Haemodynamics of stable renal transplant recipients. Kim KE, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:377s–379s

Haemodynamics of renoprival hypertension in man: studies during graded fluid withdrawal. Man in 'T Veld AJ, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:165s–167s

Postoperative jaundice. Norton LW. **Contemp Anesth Pract** 1981;4:13–29

Quantitative EEG as a measure of cerebral dysfunction before and after open–heart surgery. Sotaniemi KA, et al. **Electroencephalogr Clin Neurophysiol** 1980 Oct; 50(1–2):81–95

Bladder dysfunction following radical abdominal hysterectomy. Lee RB, et al. **Gynecol Oncol** 1981 Jun; 11(3):304–8

Syndrome of postoperative depression of vital functions in poor–risk patients: its treatment. Rao LN, et al. **Int J Clin Pharmacol Ther Toxicol** 1981 Jan;19(1):18–22

Accelerated progression of chronic renal insufficiency after parathyroidectomy. Collier VU, et al. **JAMA** 1980 Sep 12; 244(11):1215–8

Results over a two–year period in complete transposition of the great arteries after Mustard's procedure. Shirotani H. **Jpn Circ J** 1980 Nov;44(11):916–22

Pulmonary pathophysiology in surgical patients. Bartlett RH. **Surg Clin North Am** 1980 Dec;60(6):1323–38

[Severe posttransplant lung syndrome and an acute transplanted kidney rejected crisis successfully controlled] Stefanov G, et al. **Vutr Boles** 1980;19(4):109–14 (Eng. Abstr.) **(Bul)**

[The effects of innominate osteotomy on the opposite acetabulum (author's transl)] Métaizeau JP, et al. **Rev Chir Orthop** 1980 Oct;66(7):453–60 (Eng. Abstr.) **(Fre)**

[Postoperative ileus—fundamentals of pathophysiology and clinical aspects] Kern E. **Chirurg** 1980 Apr;51(4):193–7 **(Ger)**

[Pre– and postoperative stasis as thrombotic factor?] Walser A, et al. **Vasa** 1980;9(4):306–10 (Eng. Abstr.) **(Ger)**

[Malabsorption from the surgical viewpoint] Hartig W, et al. **Zentralbl Chir** 1980;105(6):353–65 (19 ref.) (Eng. Abstr.) **(Ger)**

[Morphofunctional characteristics of the intestinal insufficiency syndrome] Titova GP, et al. **Arkh Patol** 1981; 43(1):45–52 (Eng. Abstr.) **(Rus)**

[Nonspecific immunity indices in inflammatory complications after surgery of the large intestine] Fedorov VD, et al. **Sov Med** 1981;(3):28–32 (Eng. Abstr.) **(Rus)**

[Complications in the postoperative period in children with congenital cataracts] Khvatova AV, et al. **Vestn Oftalmol** 1980 Sep–Oct;(5):46–9 (Eng. Abstr.) **(Rus)**

[Changes in the functional state of the digestive system after partial and complete resection of the pancreas] Fedishin PS, et al. **Vrach Delo** 1981;(4):41–5 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Subliminal suggestion during anesthesia to control postoperative complications [letter] Hess J. **AANA J** 1981 Apr;49(2):209–10

Prevention of postoperative thromboembolic complications. A prospective comparison between dextran 70, dihydroergotamine heparin and a sulphated polysaccharide. Bergqvist D, et al. **Acta Chir Scand** 1980;146(8):559–68

Prophylactic metronidazole in prevention of infection after appendicectomy: report of a double–blind trial. Gottrup F. **Acta Chir Scand** 1980;146(2):133–6

Prevention of hypophosphatemia during postoperative routine glucose administration. Hessov I, et al. **Acta Chir Scand** 1980;146(2):109–114

Low dose heparin in elective abdominal surgery. Correlation between concentrations of heparin, antithrombin III and antiplasmin in patients with and without DVT. Kruse–Blinkenberg HO, et al. **Acta Chir Scand** 1980; 146(6):383–90

Effect of low–dose heparin and dihydroergotamine on frequency of postoperative deep–vein thrombosis in patients undergoing post–traumatic hip surgery. Lahnborg G. **Acta Chir Scand** 1980;146(5):319–22

Is albumin therapy worthwhile in surgery for colorectal cancer? Nilsson E, et al. **Acta Chir Scand** 1980; 146(8):619–22

The quest for continence in the surgical treatment of ulcerative colitis. Goligher JC. **Adv Surg** 1980;14:53–83 (45 ref.)

Obstructed ureteroileal conduits: antegrade catheter drainage. Rosen RJ, et al. **AJR** 1980 Dec;135(6):1201–4

Low–dose heparin in prevention of venous thromboembolism [letter] Clarke–Pearson DL. **Am J Obstet Gynecol** 1980 Oct 15;138(4):471–2

Transplacental ampicillin: inhibitory concentrations in neonatal serum. Kraybill EN, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 1):793–6

Intrauterine irrigation with cefamandole nafate solution at cesarean section: a preliminary report. Long WH, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 1):755–8

Prophylactic antibiotics in first–trimester abortions: a clinical, controlled trial. Sonne–Holm S, et al. **Am J Obstet Gynecol** 1981 Mar 15;139(6):693–6

Postoperative venous thrombosis. Evaluation of five methods of treatment. Borow M, et al. **Am J Surg** 1981 Feb; 141(2):245–51

Preoperative percutaneous transhepatic biliary decompression lowers operative morbidity in patients with obstructive jaundice. Denning DA, et al. **Am J Surg** 1981 Jan;141(1):61–5

Simple mechanical method for decreasing the incidence of thromboembolism. Scurr JH, et al. **Am J Surg** 1981 May; 141(5):582–5

The effect of a TDMAC–heparin bonded aortofemoral shunt on experimental spinal cord injury. Chan SB, et al. **Am Surg** 1980 Nov;46(11):607–13

The effect of prophylactic drainage on subhepatic fluid collections after elective cholecystectomy: a prospective randomized ultrasonographic study. Maull KI, et al. **Am Surg** 1981 Feb;47(2):85–8

Failure of saralasin in preventing renal failure in ischemic transplanted kidneys. Munda R, et al. **Am Surg** 1980 Nov; 46(11):637–9

Prevention of compression thrombosis by modification of axillofemoral graft. Pasternak BM. **Am Surg** 1980 Jul; 46(7):409–11

Radial artery cannulation. Potential hazard in patients with acromegaly. Campkin TV. **Anaesthesia** 1980 Oct; 35(10):1008–9

Migraine and surgery. Avoidance of trigger mechanisms. Fell RH. **Anaesthesia** 1980 Oct;35(10):1006–7

Early extubation versus prophylactic ventilation in the high risk patient: a comparison of postoperative management in the prevention of respiratory complications. Shackford SR, et al. **Anesth Analg (Cleve)** 1981 Feb;60(2):76–80

Bacterial air filters [editorial] Mazze RI. **Anesthesiology** 1981 May;54(5):359–60

Metronidazole in the prevention and treatment of anaerobic sepsis. Willis AT. **Ann Ist Super Sanita** 1979;15(1):123–35

Extruding orbital implant: prevention and treatment. Levine MR. **Ann Ophthalmol** 1980 Dec;12(12):1384–6

Effects of timolol and Daranide on elevated intraocular pressure after aphakic keratoplasty. Olson RJ, et al. **Ann Ophthalmol** 1979 Dec;11(12):1833–6

Dropped lateral wall syndrome—the No. 2 complication in rhinoplasty. Straith RE. **Ann Plast Surg** 1981 Feb; 6(2):160–2

The arteries, arterioles, and capillaries of the spinal cord. Surgical guidelines in the prevention of postoperative paraplegia. Dommisse GF. **Ann R Coll Surg Engl** 1980 Sep; 62(5):369–76

Use of peroperative cefoxitin to prevent infection after colonic and rectal surgery. Hoffmann CE, et al. **Ann Surg** 1981 Mar;193(3):353–6

Recent advances in the management of thoracic surgical infections. Skinner DB, et al. **Ann Thorac Surg** 1981 Feb; 31(2):191–8 (48 ref.)

Decreased bleeding with PEEP [letter] Zurick A, et al. **Ann Thorac Surg** 1981 Aug;32(2):216

The effect of pre–operative povidone iodine vaginal pessaries on vault infections after hysterectomy. Blackmore MA, et al. **Br J Obstet Gynaecol** 1981 Mar;88(3):308–13

Cefuroxime and metronidazole in gynaecological surgery. Leabeater B, et al. **Br J Obstet Gynaecol** 1981 May; 88(5):543–7

The effects on extraction wound healing of a new drug combination introduced for use in the prevention of post–extraction complications. A preliminary report. Syrjänen SM, et al. **Br J Oral Surg** 1981 Mar;19(1):57–66

The use of prostacyclin in preventing occlusion of microvascular anastomoses by platelet thrombus: an experimental study in rats. Emerson DJ, et al. **Br J Plast Surg** 1981 Jan;34(1):35–7

The use of prostaglandins as local antithrombotic agents in

microvascular surgery. Leung PC, et al. **Br J Plast Surg** 1981 Jan;34(1):38–40

The importance of topical heparin in microvascular anastomoses: a study in the rat. Sinclair S. **Br J Plast Surg** 1980 Oct;33(4):422–6

A study of the treatment time necessary for the vasodilator drug isoxsuprine to prevent necrosis in a skin flap. Zide B, et al. **Br J Plast Surg** 1980 Jul;33(3):383–7

A comparative study of Dextran 70 and a sulphated polysaccharide in the prevention of postoperative thromboembolic complications. Bergqvist D, et al. **Br J Surg** 1981 Jul;68(7):449–51

Deep venous thrombosis after total hip arthroplasty: a prospective controlled study to determine the prophylactic effect of graded pressure stockings. Ishak MA, et al. **Br J Surg** 1981 Jun;68(6):429–32

The reduction of postoperative chest infection by prophylactic co-trimoxazole. Morran C, et al. **Br J Surg** 1980 Jul;67(7):464–6

The effect of dihydroergotamine and heparin on the incidence of thromboembolic complications following total hip replacement: a randomized controlled clinical trial. Morris WT, et al. **Br J Surg** 1981 May;68(5):301–3

Low dose heparin and compression stockings in the prevention of postoperative deep venous thrombosis. Törngren S. **Br J Surg** 1980 Jul;67(7):482–4

Pre-operative bladder irrigation with povidone-iodine. Merimsky E, et al. **Br J Urol** 1981 Aug;53(4):330–2

The prevention of secondary haemorrhage after prostatectomy: the value of antifibrinolytic therapy. Miller RA, et al. **Br J Urol** 1980 Feb;52(1):26–8

Short-term antibiotic prophylaxis and prostatectomy. Shah PJ, et al. **Br J Urol** 1981 Aug;53(4):339–43

48-hour cephradine and post-prostatectomy bacteriuria. Williams M, et al. **Br J Urol** 1980 Aug;52(4):311–5

Prevention of infection after abortion with a supervised single dose of oral doxycycline. Brewer C. **Br Med J** 1980 Sep 20;281(6243):780–1

Prophylaxis of infection after appendicectomy: a survey of current surgical practice. Campbell WB. **Br Med J** 1980 Dec 13;281(6255):1597–600

Prophylaxis of postoperative deep vein thrombosis: selective use of low-dose heparin in high-risk patients. Crandon AJ, et al. **Br Med J** 1980 Aug 2;281(6236):345–7

Postoperative deep vein thrombosis: identifying high-risk patients. Crandon AJ, et al. **Br Med J** 1980 Aug 2; 281(6236):343–4

Postoperative deep-vein thrombosis: identifying high-risk patients [letter] Doran FS. **Br Med J** 1980 Oct 11; 281(6246):1006

Postoperative deep-vein thrombosis: identifying high-risk pateart disease in different ethnic groups [letter] Hamer JD. **Br Med J** 1980 Sep 13;281(6242):745

Sepsis after bowel surgery [letter] Keighley MR. **Br Med J** 1980 May 3;280(6223):1145

Physical methods of prophylaxis against venous thrombosis [editorial] **Br Med J [Clin Res]** 1981 Apr 25; 282(6273):1341–3

Incentive spirometry: its value after cardiac surgery. Gale GD, et al. **Can Anaesth Soc J** 1980 Sep;27(5):475–80

Pulmonary disorders and physiotherapy in patients who undergo cholecystectomy. Warren CP, et al. **Can J Surg** 1980 Jul;23(4):384–6

Incentive spirometry: the answer is blowing in the wind [editorial] Belman M, et al. **Chest** 1981 Mar;79(3):254–5

The use of topical thrombin to reduce wound haematoma in patients receiving low-dose heparin. Hashemi K, et al. **Curr Med Res Opin** 1981;7(7):458–62

Infection in vascular prosthesis. Málek P, et al. **Czech Med** 1980;3(3):191–7

Comparison of two agents in prevention of urinary retention after benign anorectal surgery. Eftaiha MS, et al. **Dis Colon Rectum** 1980 Oct;23(7):470–2

The effect of a short-term course of antibiotic prophylaxis on patients undergoing total abdominal hysterectomy. Itskovitz J, et al. **Eur J Obstet Gynaecol Reprod Biol** 1980 Oct;11(2):101–7

Treatment and prevention of complications after extravesical antireflux technique. Arap S, et al. **Eur Urol** 1981;7(5):263–7

A large volume of dextran solution, by virtue of hydroflotation, may have a beneficial effect in the prevention of adhesions [letter] Balta NA. **Fertil Steril** 1981 Jan;35(1):98–9

Pectin and complications after gastric surgery: normalisation of postprandial glucose and endocrine responses. Jenkins DJ, et al. **Gut** 1980 Jul;21(7):574–9

Preoperative administration of prostaglandin to avoid dilatation-induced damage in first-trimester pregnancy terminations. Heinzl S, et al. **Gynecol Obstet Invest** 1981; 12(1):29–36

Prevention and treatment of pulmonary complications in patients after surgery of the upper abdomen. Breslin EH. **Heart Lung** 1981 May–Jun;10(3):511–9

The importance of anaerobic infections in abdominal surgery. Peters H, et al. **Infection** 1980;8 Suppl 2:S192–3

Value of penicillin in the prevention of pain, swelling and trismus following the removal of ectopic mandibular third molars. Macgregor AJ, et al. **Int J Oral Surg** 1980 Jun; 9(3):166–72

The use of radiation to discourage ectopic bone. A nine-year study in surgery about the hip. Coventry MB, et al. **J Bone Joint Surg [Am]** 1981 Feb;63A(2):201–8

The cardiovascular and respiratory effects of fenoterol in patients after open-heart surgery. Aggestrup S, et al. **J Cardiovasc Surg (Torino)** 1980 Jul–Aug;21(4):409–16

A protocol for the prevention of infection in cochlear implant surgery. Clark GM, et al. **J Laryngol Otol** 1980 Dec; 94(12):1377–86

A simple technique to prevent stenosis of the tracheostoma after total laryngectomy. Isshiki N, et al. **J Laryngol Otol** 1980 Jun;94(6):637–42

Cost effectiveness of prophylaxis of venous thromboembolism [letter] **J R Soc Med** 1981 Jul;74(7):555–6

Immediate postoperative digitalization in the prophylaxis of supraventricular arrhythmias following coronary artery bypass. Csicsko JF, et al. **J Thorac Cardiovasc Surg** 1981 Mar;81(3):419–22

Intercostal pedicle method for control of postresection esophagitis. Thirteen-year clinical study. Demos NJ, et al. **J Thorac Cardiovasc Surg** 1980 Nov;80(5):679–85

Prospective, randomized, double-blind study using prophylactic cephalothin for major, elective, general thoracic operations. Ilves R, et al. **J Thorac Cardiovasc Surg** 1981 Jun;81(6):813–7

Prevention of supraventricular tachyarrhythmia with low-dose propranolol after coronary bypass. Mohr R, et al. **J Thorac Cardiovasc Surg** 1981 Jun;81(6):840–5

Hypertension after coronary operation. Can it be prevented by pulsatile perfusion? Salerno TA, et al. **J Thorac Cardiovasc Surg** 1981 Mar;81(3):396–9

Successful prostatectomy in patients with inherited abnormalities of the factor VIII molecule. Goldsmith JC, et al. **J Urol** 1980 Oct;124(4):570–3

Minimizing the impact of intestinal surgery. Gunby P. **JAMA** 1981 Jan 2;245(1):14, 19

Perioperative stabilization of glucose levels in patients supported with total parenteral nutrition. Newmark SR, et al. **JPEN** 1980 Sep–Oct;4(5):494–8

Preventing graft-versus-host disease [editorial] **Lancet** 1980 Dec 20–27;2(8208–8209):1343–4

Ultra-low-dose heparin [letter] Jaques LB, et al. **Lancet** 1980 Dec 20–27;2(8208–8209):1369

Fibre and postoperative ileus [letter] Manshande JP, et al. **Lancet** 1980 Aug 30;2(8192):476

Prevention of venous thromboembolism. A survey of methods used by orthopaedic and general surgeons. Morris GK. **Lancet** 1980 Sep 13;2(8194):572–4

Preventing postoperative thromboembolism [letter] Negus D, et al. **Lancet** 1980 Sep 20;2(8195 pt 1):638

Pulmonary complications of tonsillectomy as originally described by Samuel J. Crowe, M.D. Catlin FI. **Laryngoscope** 1981 Jan;91(1):52–61

Pitfalls and problems with subcutaneous mastectomy. Woods JE, et al. **Mayo Clin Proc** 1980 Nov;55(11):687–93

Preliminary results of a long myotomy with antireflux procedure for achalasia of the oesophagus. Lens J, et al. **Neth J Surg** 1980;32(2):49–55

The prophylactic use of metronidazole in caesarean section. McCowan L, et al. **NZ Med J** 1980 Aug 27;92(666):153–5

Bacteriologic effects of antibiotic prophylaxis in high-risk cesarean section. Gibbs RS, et al. **Obstet Gynecol** 1981 Mar; 57(3):277–82

Cefoxitin for prophylaxis in premenopausal women undergoing vaginal hysterectomy. Hemsell DL, et al. **Obstet Gynecol** 1980 Nov;56(5):629–34

Current techniques for improved visual results after penetrating keratoplasty. Bourne WM. **Ophthalmic Surg** 1981 May;12(5):321–7

Regrowth of platysma following platysma cervical lift: etiology and methodology of prevention. Ellenbogen R, et al. **Plast Reconstr Surg** 1981 May;67(5):616–23

The prevention of hernia and numbness of the thigh following deep circumflex iliac artery free groin flap [letter] McCrabb DJ. **Plast Reconstr Surg** 1980 Sep;66(3):477–8

The experimental value of silicone-sheet, dacron felt spacers in prevention of capsular contractures. Rybka FJ. **Plast Reconstr Surg** 1980 Oct;66(4):502–8

Late sequelae of splenectomy for trauma. Neilan BA. **Postgrad Med** 1980 Sep;68(3):207–10

Clinical usage of heparin. Present and future trends. **Scand J Haematol** 1980;25 Suppl 36:1–188

The prevention of deep vein thrombosis in abdominal surgery – the point of view of a surgeon. Hubens A. **Scand J Haematol** 1980;25 Suppl 36:150–7 (6 ref.)

Low-dose heparin – present status and future trends. Kakkar VV. **Scand J Haematol** 1980;25 Suppl 36:158–80 (45 ref.)

Prevention of deep vein thrombosis in orthopedic surgery with the combination of low dose heparin plus either dihydroergotamine or dextran. Schöndorf TH, et al. **Scand J Haematol** 1980;25 Suppl 36:126–40

Prophylaxis of pulmonary embolism in general surgery by means of small doses of heparin administered subcutaneously. Wijnja L, et al. **Scand J Haematol** 1980; 25 Suppl 36:141–9

Low complication rate of colostomy closures. Cabasares HV, et al. **South Med J** 1980 Dec;73(12):1572–5

Improved operative risk after myocardial revascularization. Fudge TL, et al. **South Med J** 1981 Jul;74(7):799–801

Reconstructing colonic continuity after the Hartmann operation. Liebert CW Jr, et al. **South Med J** 1980 Dec; 73(12):1576–7

Prevention of multiple systems failure. Baue AE, et al. **Surg Clin North Am** 1980 Oct;60(5):1167–78

Preoperative assessment of the high risk surgical patient. Hechtman HB, et al. **Surg Clin North Am** 1980 Dec; 60(6):1349–58

Prevention of pulmonary complications in high risk patients. Shah DM, et al. **Surg Clin North Am** 1980 Dec; 60(6):1359–72 (62 ref.)

Preoperative and postoperative techniques in the prevention of pulmonary complications. Van De Water JM. **Surg Clin North Am** 1980 Dec;60(6):1339–48

Maximal inspiratory volume and postoperative pulmonary complications. Alexander GD, et al. **Surg Gynecol Obstet** 1981 May;152(5):601–3

Prospective clinical trial of antibiotics for pulmonary resections. Cameron JL, et al. **Surg Gynecol Obstet** 1981 Feb;152(2):156–8

Reduced morbidity with posterior surgical approach for pretransplant bilateral nephrectomy. Novick AC, et al. **Surg Gynecol Obstet** 1980 Dec;151(6):773–6

An anatomic basis to prevent ischemia of the colon during operations upon the aorta. Siddharth P, et al. **Surg Gynecol Obstet** 1981 Jul;153(1):71–3

Factors influencing visual recovery in retinal detachment surgery. Foulds WS. **Trans Ophthalmol Soc UK** 1980 Apr; 100(Pt 1):72–7

Prevention of postoperative deep-vein thrombosis by low-dose heparin in open prostatectomy. Vandendris M, et al. **Urol Res** 1980 Dec 19;8(4):219–21

'Pearls' of gold: meatotomy, circumcision, urethrohymeneal folds, vasectomy, Peyronie disease [letter] Arnold SJ, et al. **Urology** 1980 Dec;16(6):661–2

[A discussion on procedure of radical hysterectomy for cancer of cervix uteri and the method of prevention of major complication----recommending an improved technique (author's transl)] Jiang S. **Chung Hua Fu Chan Ko Tsa Chih** 1980 Oct;15(4):231–3 **(Chi)**

[Causes of post-operative perforation of cleft palate, their prevention and second step repair (author's transl)] Zhou SX. **Chung Hua Kou Chiang Ko Tsa Chih** 1979;14(4):219–22 **(Chi)**

[Symposium: Partial gastrectomy for peptic ulcer: Complications and their prevention (author's transl)] **Chung Hua Wai Ko Tsa Chih** 1980;18(1):81–5 **(Chi)**

[Prevention of venous thromboembolism in orthopaedics (author's transl)] Přibyl T, et al. **Acta Chir Orthop Traumatol Cech** 1980 Dec;47(6):548–52 (Eng. Abstr.) **(Cze)**

[Preventive administration of antibiotics in gynecologic and obstetrical surgery] Sikl O, et al. **Cesk Gynekol** 1981 Jul; 46(6):460–2 **(Cze)**

[Deep venous thrombosis treated with Haemaccel. A study with 125I-labelled fibrinogen] Fuglsang E, et al. **Ugeskr Laeger** 1980 Jun 30;142(27):1756–8 (Eng. Abstr.) **(Dan)**

[Prevention of problems and failures in cranioplasty performed with the synthetic resin polymethylmethacrylate] Groenenberg WH. **Acta Stomatol Belg** 1980;77(3):205–9 **(Dut)**

[Single dose of tinidazole in prevention of post-hysterectomy infections] Karhunen M, et al. **Duodecim** 1980; 96(17):1135–8 (Eng. Abstr.) **(Fin)**

[Dextran and hemodilution in the prevention of postoperative venous thrombo-embolism (author's transl)] Vara-Thorbeck R, et al. **Acta Chir Belg** 1980 Jul–Aug; 79(4):249–55 (Eng. Abstr.) **(Fre)**

[Nitroglycerin and anaesthesia in phaeochromocytoma (author's transl)] Chelly J, et al. **Anesth Analg (Paris)** 1980; 37(5–6):325–30 (Eng. Abstr.) **(Fre)**

[Value of cimetidine in the prevention of Mendelson's syndrome in abdominal surgery] Delalande JP, et al. **Ann Anesthesiol Fr** 1981;22(1):48–52 (Eng. Abstr.) **(Fre)**

[Myocardial protection during valvular surgery] **Arch Mal Coeur** 1981 Jan;74(1):87–97 (Eng. Abstr.) **(Fre)**

[An attempt to prevent the postoperative spreading of choroidal melanomas. Safety rules to be applied before and during enucleation (author's transl)] Brini A, et al. **Bull Soc Ophtalmol Fr** 1979 Aug–Sep;79(8–9):697–700 (Eng. Abstr.) **(Fre)**

[Post operative infection in cataract surgery] Djennas M. **Bull Soc Ophtalmol Fr** 1980 Jan;80(1):30–1 (Eng. Abstr.) **(Fre)**

[Value of nicergoline in the prevention of postoperative thrombophlebitis] Kauffmann JP, et al. **Med Chir Dig** 1981; 10(2):169–72 **(Fre)**

[Ticlopidine in heart surgery with cardiopulmonary by-pass (author's transl)] Renner C, et al. **Nouv Presse Med** 1980 Nov 15;9(43):3249–51 (Eng. Abstr.) **(Fre)**

[Fibrinogen anomalies and extracorporeal circulation: apropos of 2 cases] Pelissier E, et al. **Rev Fr Transfus Immunohematol** 1980 May;23(2):185–9 **(Fre)**

[Postoperative bladder complications after gynaecological surgery--prophylaxis and treatment (author's transl)] Weil A, et al. **Ther Umsch** 1981 Jun;38(6):524–30 (Eng. Abstr.) **(Fre)**

[Thromboembolism prophylaxis in gynecologic and obstetrical surgery] Welti H, et al. **Ther Umsch** 1981 Jun; 38(6):505–15 (Eng. Abstr.) **(Fre)**

[Treatment of urinary tract infections after prostatectomy] Csata S, et al. **Acta Chir Acad Sci Hung** 1979;20(4):375–84 (Eng. Abstr.) **(Ger)**

[Prevention of postoperative Candida endomycoses. Candida

colonization and Candida antibodies in patients undergoing cardiovascular surgery] Ansorg R, et al. **Chirurg** 1981 Apr; 52(4):231–6 (Eng. Abstr.) **(Ger)**

[Control of low-dose heparin therapy using photometry to detect biologically active heparin] Zimmermann RE, et al. **Chirurg** 1981 May;52(5):316–9 (Eng. Abstr.) **(Ger)**

[Preoperative radiodiagnosis in dental-surgical interventions] Semper O, et al. **Dtsch Zahnaerztl Z** 1980 Feb;35(2):226–9 (Eng. Abstr.) **(Ger)**

[Preventing postoperative edema with Irritren. Results of a double-blind study] Biehl G. **Fortschr Med** 1981 May 21; 99(19):745–8 (Eng. Abstr.) **(Ger)**

[Adhesion prophylaxis in surgical gynecology] Sievers S, et al. **Fortschr Med** 1981 Jan 15;99(1–2):27–30 (Eng. Abstr.) **(Ger)**

[Preventive administration of metronidazole in gynecologic operations] Kofler E, et al. **Gynaekol Rundsch** 1980 Jun; 20 Suppl 2:277–8 **(Ger)**

[Gynecologic operations in aged women] Richter R, et al. **Gynaekologe** 1980 Dec;13(4):198–204 (45 ref.) **(Ger)**

[The preoperative medical evaluation of the aged woman] van de Loo J. **Gynaekologe** 1980 Dec;13(4):187–91 **(Ger)**

[Neomycin versus plus metronidazol for large bowel preparation in elective colon surgery] Barone C, et al. **Helv Chir Acta** 1980 Sep;47(3–4):511–6 (Eng. Abstr.) **(Ger)**

[Antibiotic preparation of the colon or preoperative parenteral prophylaxis in colon surgery. A randomized study] Flückiger M, et al. **Helv Chir Acta** 1980 Dec; 47(5):659–62 (Eng. Abstr.) **(Ger)**

[The effectiveness of recurrence prophylaxis four to five years after struma surgery] Weber MJ, et al. **Helv Chir Acta** 1980 Jun;47(1–2):7–10 (Eng. Abstr.) **(Ger)**

[Microbiological surveillance in patients treated by bone marrow transplantation (author's transl)] Haralambie E, et al. **Immun Infekt** 1980;8(3):89–95 (Eng. Abstr.) **(Ger)**

[Spontaneous breathing, positive pressure respiration (CPAP) and intermittent positive pressure ventilation (IPPV) after extensive surgical interventions in children] Bush GH. **Intensivmed Prax** 1980;(2):9–14 **(Ger)**

[Pneumococcal vaccine following splenectomy? The pathogenesis and prophylaxis of OPSI (overwhelming post-splenectomy infection)] Ostendorf P, et al. **Internist (Berlin)** 1981 Mar;22(3):171–4 **(Ger)**

[Restorative surgery for cancer of the rectum (author's transl)] Gall FP, et al. **Langenbecks Arch Chir** 1981; 354(1):45–53 (Eng. Abstr.) **(Ger)**

[Partial duodenopancreatectomy and intraoperative occlusion of the pancreatic tail for chronic pancreatitis (authors' translation)] Gebhardt C, et al. **Langenbecks Arch Chir** 1980;353(1):57–62 (Eng. Abstr.) **(Ger)**

[Facial neuralgia after Caldwell-Luc-Operation - Prophylaxis and therapy] Draf W. **Laryngol Rhinol Otol (Stuttg)** 1980 May;59(5):308–11 (Eng. Abstr.) **(Ger)**

[Clinical effect of subcutaneous low-dose heparin] Andrassy T, et al. **Med Welt** 1981 May 8;32(19):735–7 **(Ger)**

[Comparison of effectiveness of 4-methylumbelliferone and hyoscine-N-butylbromide in therapy following biliary tract surgery] Fischer D, et al. **Med Welt** 1980 Jun 6; 31(23):894–7 **(Ger)**

[The position of thrombosis prevention in orthopedics] Weber U, et al. **Med Welt** 1981 Feb 27;32(9):277–83 **(Ger)**

[Postoperative thromboembolism prophylaxis with a reduced low dose heparin fraction and dihydroergotamine in fixed combination (author's transl)] Buttermann G, et al. **MMW** 1981 Jul 31;123(31):1213–6 (Eng. Abstr.) **(Ger)**

[Prophylaxis of thromboembolism in abdominal surgery. Comparison of low dose heparin, acetylsalicylic acid and their combination (author's transl)] Zekert F, et al. **MMW** 1980 Oct 24;122(43):1495–8 **(Ger)**

[Prophylaxis and therapy of intestinal complications in surgical gynecology] Richter R. **Ther Umsch** 1981 Jun; 38(6):516–23 (Eng. Abstr.) **(Ger)**

[Results of selective prophylaxis of thrombosis in gynecological surgery (author's transl)] Brehm R, et al. **Wien Med Wochenschr** 1980 Sep 30;130(18):586–9 (Eng. Abstr.) **(Ger)**

[Prophylactic and therapeutic intermittent positive pressure breathing with combined therapeutic aerosols (IPPB/I)--functional and morphological effects. I. Functional effects of prophylactic IPPB/I (author's transl)] Kleinau H, et al. **Z Erkr Atmungsorgane** 1981;156(2):141–50 (Eng. Abstr.) **(Ger)**

[The function of thrombocytes by means of Infukoll 6% for thrombembolia prophylaxis] Luther B, et al. **Z Exp Chir** 1980 Oct;13(5):311–5 (Eng. Abstr.) **(Ger)**

[Effectiveness of Azulfidine/Salazopyrin in the postoperative prevention of recurrence in Crohn disease] Ewe K. **Z Gastroenterol [Verh]** 1981 Jun;19:41–4 **(Ger)**

['Low-dose heparin' and other methods to prevent thrombo-embolism in gynaecological surgery (author's transl)] Lehmann R, et al. **Zentralbl Gynaekol** 1980; 102(21):1247–53 (Eng. Abstr.) **(Ger)**

[Prevention of postoperative thromboembolism (dextran or heparin) (letter)] Sas G, et al. **Orv Hetil** 1980 Aug 10; 121(32):1975–6 **(Hun)**

[Cimetidine after operations on Vater papilla (author's transl)] Sarli L, et al. **Ateneo Parmense [Acta Biomed]** 1980; 51(5):429–34 (Eng. Abstr.) **(Ita)**

[Use of betamethasone in heart surgery] Tempia A, et al. **Minerva Med** 1981 Mar 31;72(12):761–6 (Eng. Abstr.) **(Ita)**

[Functional disturbances of the inferior alveolar nerve following sagittal osteotomy of the ramus mandibulae: preventive surgical technic] Brusati R, et al. **Minerva Stomatol** 1980 May-Jun;29(3):183–7 (Eng. Abstr.) **(Ita)**

[Prophylactic use of isoproterenol and aminophylline in cases with intracranial aneurysms after early stage operations (author's transl)] Tsugane R, et al. **Neurol Med Chir (Tokyo)** 1980 Oct;20(10):1023–8 (Eng. Abstr.) **(Jpn)**

[Routine measures in the prevention of postoperative thrombosis and embolism. Based on a multicentre trial of about 4000 patients with dextran or low-dose heparin prevention] Lund T. **Tidsskr Nor Laegeforen** 1980 Aug 10; 100(22):1267–9 (Eng. Abstr.) **(Nor)**

[Lung complications following high laparotomies. Effects of smoking and low-dose heparin prevention] Quaynor H, et al. **Tidsskr Nor Laegeforen** 1981 Jan 20;101(2):157–60 (Eng. Abstr.) **(Nor)**

[Vibromassage in the prevention of inflammatory adnexal diseases after uterine myoma surgery] Radionchenko AA, et al. **Akush Ginekol (Mosk)** 1981 Apr;(4):42–4 **(Rus)**

[Antibiotic prophylaxis in cesarean section] Voropaev SD, et al. **Akush Ginekol (Mosk)** 1980 Nov;(11):38–41 (Eng. Abstr.) **(Rus)**

[Effect of bronchiolytics on respiratory mechanics in the postoperative period] Gologorskiĭ VA, et al. **Anesteziol Reanimatol** 1981 Mar-Apr;(2):55–9 (Eng. Abstr.) **(Rus)**

[Selection of optimal end-expiratory positive pressure during artificial ventilation after mitral and aortic valve prosthesis] Nikolaenko EM, et al. **Anesteziol Reanimatol** 1981 Mar-Apr;(2):64–8 (Eng. Abstr.) **(Rus)**

[Use of antibiotics for preventing suppurative inflammatory complications in scleroplastic operations for myopic disease] Savinykh VI. **Antibiotiki** 1980 Sep;25(9):690–1 (Eng. Abstr.) **(Rus)**

[Use of bacteriophage and antibiotics for prevention of acute postoperative empyema in chronic suppurative lung diseases] Ioseliani GD, et al. **Grudn Khir** 1980 Nov-Dec; (6):63–7 (Eng. Abstr.) **(Rus)**

[Prevention and treatment of postoperative empyema in patients with chronic suppurative lung diseases] Korolev BA, et al. **Grudn Khir** 1980 Nov-Dec;(6):56–9 (Eng. Abstr.) **(Rus)**

[Ways decreasing the number of complications and mortality in repeated operations for lung and pleural diseases] Slepukha IM, et al. **Grudn Khir** 1981 Mar-Apr;(2):61–4 (Eng. Abstr.) **(Rus)**

[Prevention and treatment of functional intestinal obstruction after interventions on the abdominal organs] Nechaĭ AI, et al. **Khirurgiia (Mosk)** 1981 Mar;(3):7–12 (Eng. Abstr.) **(Rus)**

[Prevention of thromboembolic complications in the postoperative period by the subcutaneous administration of low heparin doses] Revskoĭ AK, et al. **Khirurgiia (Mosk)** 1980 Oct;(10):84–7 **(Rus)**

[Prevention and treatment of acute respiratory insufficiency in the early postoperative period after an operation on the abdominal organs] Chepkiĭ LP, et al. **Klin Khir** 1980 Dec; (12):24–7 (Eng. Abstr.) **(Rus)**

[Aspects of the prevention and treatment of postoperative pneumonias in suppurative lung diseases] Chernobrovyĭ NP, et al. **Klin Khir** 1980 Oct;(10):28–31 (Eng. Abstr.) **(Rus)**

[Prevention of postoperative respiratory and thromboembolic lung complications] Chukhrienko ND, et al. **Klin Khir** 1980 Oct;(10):31–4 (Eng. Abstr.) **(Rus)**

[Strangulation syndrome after operations on the thyroid gland] Fesenko VP, et al. **Klin Khir** 1980 Dec;(12):29–31 (Eng. Abstr.) **(Rus)**

[Surgical management of nonspecific ulcerative colitis with special regard to postcolectomy disorders] Matiashin IM, et al. **Klin Khir** 1981 Feb;(2):13–6 (Eng. Abstr.) **(Rus)**

[Role of fiber bronchoscopy in preoperative preparation and in eliminating the early postoperative complications in chronic lung abscess] Pugachev VS, et al. **Klin Khir** 1980 Oct;(10):34–6 (Eng. Abstr.) **(Rus)**

[Adhesions after appendectomy and their prevention] Putiatin SV. **Klin Khir** 1981 Apr;(4):22–4 (Eng. Abstr.) **(Rus)**

[Prevention and therapy of intestinal paresis in the early postoperative period] Udod VM, et al. **Klin Khir** 1981 Apr; (4):45–6 (Eng. Abstr.) **(Rus)**

[Prevention of the postcholecystectomy syndrome] Maiat VS, et al. **Klin Med (Mosk)** 1981 May;59(5):100–8 **(Rus)**

[Prevention of pulmonary complications after operations on the lungs and abdominal cavity organs] Vasil'ev VS, et al. **Klin Med (Mosk)** 1980 Dec;58(12):81–3 (Eng. Abstr.) **(Rus)**

[Complications of plastic and reconstructive operations on the large intestine and their prevention] Amelina OP, et al. **Vestn Khir** 1980 Oct;125(10):106–10 (Eng. Abstr.) **(Rus)**

[Prevention of disorders of the blood acid-base equilibrium after operations on the stomach by prolonged pentamine ganglionic block] Nazarov IP. **Vestn Khir** 1981 Feb; 126(2):20–3 (Eng. Abstr.) **(Rus)**

[Improvement of the outcome of treatment of acute cholecystitis] Petrov VA, et al. **Vestn Khir** 1981 Jan; 126(1):44–8 (Eng. Abstr.) **(Rus)**

[Elastic glove-type device for preventing and treating edema of the upper extremity after mastectomy] Pronin VI, et al. **Vestn Khir** 1981 Apr;126(4):127–8 **(Rus)**

[Complications after operations on the biliary tracts and their prevention] Starodubtseva LN, et al. **Vestn Khir** 1980 Oct; 125(10):55–8 (Eng. Abstr.) **(Rus)**

[Experimental study of the anatomical-physiological basis for pulmonary circulation shunting in extensive lung resections] Vaĭda RI. **Vestn Khir** 1980 Jun;124(6):9–14 (Eng. Abstr.) **(Rus)**

[Prevention of hemorrhage in prostatic adenomectomy] Sergienko NF, et al. **Voen Med Zh** 1981 Jun;(6):33–6 **(Rus)**

[Combined use of drug administration and galvanization for the prevention and treatment of the complications after lung operations] Sokolov SB, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1980 Sep-Oct;(5):10–2 (Eng. Abstr.) **(Rus)**

[Prevention of urinary and pelvic infections in radical abdominal hysterectomies, vaginal and abdomino-vaginal operations] Drača P, et al. **Med Pregl** 1980;33(7–8):265–7 (Eng. Abstr.) **(Scc)**

[Prevention of appendectomy wound infection with primary delayed sutures] Batinica S, et al. **Acta Chir Iugosl** 1980; 27 Suppl 1:41–4 (Eng. Abstr.) **(Scr)**

[The need for a meaningful use of antibiotics in the patient with ileus in the intensive care unit] Bolčić-Wicherhauser J. **Acta Chir Iugosl** 1980;27 Suppl 1:237–40 (Eng. Abstr.) **(Scr)**

[Changes in the ecology of infectious organisms and problems with antimicrobial therapy in surgery] Fališevac J. **Acta Chir Iugosl** 1980;27 Suppl 1:27–31 (Eng. Abstr.) **(Scr)**

[Antibiotic prophylaxis during extracorporeal circulation] Vračun D, et al. **Acta Chir Iugosl** 1980;27 Suppl 1:207–9 (Eng. Abstr.) **(Scr)**

[A checklist of efficient methods of prevention of surgical infections] Zivković K, et al. **Acta Chir Iugosl** 1980;27 Suppl 1:33–5 **(Scr)**

[Use of simethicone in the prevention of postoperative abdominal discomfort and gastrointestinal distension after cesarean section] Avramović D, et al. **Jugosl Ginekol Opstet** 1979 Sep-Dec;19(5–6):307–11 (Eng. Abstr.) **(Scr)**

[Prophylaxis of venous thromboses by low doses of heparin in fractures of the upper end of the femur (author's transl)] Mazuch J, et al. **Bratisl Lek Listy** 1981 Feb;75(2):213–21 (Eng. Abstr.) **(Slo)**

[Chemoprophylaxis in surgery of the large intestine] Velikonja T. **Acta Chir Iugosl** 1980;27 Suppl 1:203–5 **(Slv)**

[Evaluation of the postoperative use of continuous bladder irrigation in transurethral surgery] Carballido Rodríguez JA, et al. **Actas Urol Esp** 1981 Mar-Apr;5(2):89–92 (Eng. Abstr.) **(Spa)**

[Information and vaccination after splenectomy--follow-up of deaths due to pneumococcal septicemia] Jakobsson B, et al. **Lakartidningen** 1981 May 20;78(21):2148–50 (Eng. Abstr.) **(Swe)**

PSYCHOLOGY

Jejuno-ileal bypass surgery in obesity. Gynecological and obstetrical aspects. Hey H, et al. **Acta Obstet Gynecol Scand** 1981;60(2):135–40

Pre-anaesthetic medication in paediatric day-care surgery. Desjardins R, et al. **Can Anaesth Soc J** 1981 Mar; 28(2):141–8

Medical and psychosocial outcomes in survivors of major heart surgery. Zyzanski SJ, et al. **J Psychosom Res** 1981; 25(3):213–21

[Incontinence or encopresis? Psychological repercussion of anal incontinence in child (author's transl)] Rufo M, et al. **Ann Pediatr (Paris)** 1981 Feb;28(2):133–6 (Eng. Abstr.) **(Fre)**

[Psychological complications following abortion] Rönnau H, et al. **Beitr Gerichtl Med** 1980;38:21–4 (Eng. Abstr.) **(Ger)**

[Consequences of early failure in kidney transplant] Cantaluppi A, et al. **Minerva Nefrol** 1980 Apr-Jun; 27(2):275–7 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Radiographic appearances in Crohn's disease. IV. The new distal ileum after surgery. Hildell J, et al. **Acta Radiol [Diagn] (Stockh)** 1980;21(2A):221–9

CT of the intussuscepted excluded loop after intestinal bypass. Lo G, et al. **AJR** 1981 Jul;137(1):157–8

Evaluation of aortocoronary bypass graft status by computed tomography. Kahl FR, et al. **Am J Cardiol** 1981 Aug; 48(2):304–10

Computerized tomography in the diagnosis of complications following renal transplantation. Sage MR, et al. **Australas Radiol** 1980 Jul;24(2):156–60

The radiological demonstration of adhesions following surgery for inflammatry bowel disease. Bartram CI. **Br J Radiol** 1980 Jul;53(631):650–3

A large bowel lymphoma complicating renal transplantation. Coggon DN, et al. **Br J Radiol** 1981 May;54(641):418–20

Ascaris lumbricoides detected in common bile duct following

routine cholecystectomy and common bile duct sphincterotomy. Houang MT, et al. **Br J Radiol** 1980 Aug; 53(632):804–5
Pneumatosis intestinalis in the small bowel of an adult–a radiological sign of a serious post-operative complication. Smith EE, et al. **Br J Radiol** 1981 Mar;54(639):266–7
Subdural effusion following radical surgery for chiasmal region tumors in children. Report of 4 cases. Mizoi K, et al. **Childs Brain** 1981;8(4):307–15
A correlation of radiographic 'modes of failure' with clinical failure of cemented stem-type femoral components. Cameron HU, et al. **Clin Orthop** 1980 Jul–Aug;(150):154–8
Ectopic ossification in the abdominal wall. Cohen KL, et al. **Conn Med** 1980 Sep;44(9):540–1
Computed tomography in the renal transplant patient: problems in interpretation. Kittredge RD. **CT** 1980 Jun; 4(2):118–20
A ten-year follow-up study of our first one hundred consecutive Charnley total hip replacements. Salvati EA, et al. **J Bone Joint Surg [Am]** 1981 Jun;63A(5):753–67
Regenerating prostatic nodule at urethrography. Eisenberg RL, et al. **J Can Assoc Radiol** 1980 Sep;31(3):207
Radiographic signs in post pneumonectomy bronchopleural fistula. Lams P. **J Can Assoc Radiol** 1980 Sep;31(3):178–80
Chest radiology in the surgical patient. Milne EN. **Surg Clin North Am** 1980 Dec;60(6):1503–18
Identification of ureteroileal obstruction by retrograde loopography. Hudson HC, et al. **Urology** 1981 Feb; 17(2):147–8
[Indication for reoperation for internal fistula following pyelotomy for stones. Discussion and follow-up of a case treated endoscopically] Wart F, et al. **Acta Urol Belg** 1981 Jan;49(1):10–6 (Eng. Abstr.) **(Fre)**
[Postoperative pseudo-diverticulum of the small intestine as a cause of digestive hemorrhage (author's transl)] Mabille JP, et al. **J Radiol** 1980 Aug–Sep;61(8–9):541–3 (Eng. Abstr.) **(Fre)**
[Roentgenologic and endoscopic findings after papillotomy] Schramm H, et al. **Dtsch Z Verdau Stoffwechselkr** 1981; 41(3):143–52 (Eng. Abstr.) **(Ger)**
[Computerized tomography in the diagnosis of early and late complications after lung surgery (author's transl)] Kempmann G, et al. **Prax Klin Pneumol** 1980 Aug; 34(8):493–8 (Eng. Abstr.) **(Ger)**
[The importance of percutaneous transhepatic cholangiography in postoperatively caused stenoses of the bile duct (author's transl)] Kunz B, et al. **Radiol Diagn (Berl)** 1980;21(3):302–6 (Eng. Abstr.) **(Ger)**
[Roentgendiagnostic after surgery of the inflamed small and large bowel (author's transl)] Vogel H. **Radiol Diagn (Berl)** 1980;21(4):472–8 (Eng. Abstr.) **(Ger)**
[Phlebography in patients on hemodialysis (author's transl)] Ernsting MD, et al. **Radiologe** 1980 Sep;20(9):445–50 (Eng. Abstr.) **(Ger)**
[Radiographic findings of joint prostheses in the hand and wrist (author's transl)] Galeazzi G, et al. **Radiologe** 1980 Sep;20(9):451–7 (Eng. Abstr.) **(Ger)**
[Post-operative lumbar myelogram. Morphology and indications for repeat examinations in patients with disc prolapse (author's transl)] Assmann H, et al. **ROEFO** 1981 Apr;134(4):417–21 (Eng. Abstr.) **(Ger)**
[Computer angiography in renal transplants (author's transl)] Hagemann J, et al. **ROEFO** 1981 Apr;134(4):353–6 (Eng. Abstr.) **(Ger)**
[The operated stomach in double contrast] Vogel H. **Roentgenpraxis** 1980 Nov;33(11):259–71 **(Ger)**
[Post-thoracotomy 'fibrin body': 16 year follow-up of a case (author's transl)] Kawanami T. **Rinsho Hoshasen** 1980 Aug; 25(8):863–6 (Eng. Abstr.) **(Jpn)**
[Pulmonary infections following renal transplantations (author's transl)] Yamamoto A, et al. **Rinsho Hoshasen** 1980 Sep 25;25(9):897–904 (Eng. Abstr.) **(Jpn)**
[X-ray diagnosis of postoperative adhesive small intestine obstruction] Rzhevskaia MS. **Vestn Rentgenol Radiol** 1981 Mar–Apr;(2):27–31 (Eng. Abstr.) **(Rus)**
[Diagnostic value of dimerix myelography in postoperative patients] Bezel R, et al. **Zh Vopr Neirokhir** 1980 Nov–Dec; (6):29–31 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Aortoiliac-graft infection. Detection by leukocyte scan. Stevick CA, et al. **Arch Surg** 1981 Jul;116(7):939–42
Loosening and infection in the post-implantation hip—diagnostic screening with radionuclides. Pearlman AW. **Bull Hosp Joint Dis** 1979;40:55–63
The low specificity of postoperative perfusion lung scan defects. Walker I, et al. **Can Med Assoc J** 1981 Jan 15; 124(2):153–8
Gamma-camera scintigraphy in the diagnosis of graft ureter obstruction after renal allograft transplantation. Kristiansen JH. **Int Urol Nephrol** 1980;12(1):91–5
Radioisotope studies in the diagnosis of acute complications in the post-transplantation stage. Lopatkin NA, et al. **Int Urol Nephrol** 1980;12(2):169–80
Uptake of radiolabeled leukocytes in prosthetic graft infection. Serota AI, et al. **Surgery** 1981 Jul;90(1):35–40
[Value of thallium-201 myocardial imaging in the non-invasive assessment of aortocoronary bypass patency (author's transl)] Lösse B, et al. **Z Kardiol** 1981 Apr; 70(4):231–7 (Eng. Abstr.) **(Ger)**
[Postoperative thrombosis of the deep veins of the legs in cancer patients] Nodel'son SE, et al. **Vopr Onkol** 1981; 27(3):25–9 (Eng. Abstr.) **(Rus)**

REHABILITATION

Spontaneous return of facial motion following seventh cranial nerve resection. Norris CW, et al. **Laryngoscope** 1981 Feb; 91(2):211–5
[Transient static insufficiency of the lower limbs in adolescents operated on for lateral scoliosis] Skwarcz A. **Chir Narzadow Ruchu Ortop Pol** 1980;45(3):255–7 (Eng. Abstr.) **(Pol)**

SURGERY

A 5-flaps procedure for repair of stenosed tracheostoma. Maruyama Y, et al. **Acta Chir Plast (Prague)** 1980; 22(2):107–10
One-stage reconstruction of a esophagostome with a latissimus dorsi myocutaneous flap and a pectoralis major myocutaneous flap (case report). Maruyama Y, et al. **Acta Chir Plast (Prague)** 1980;22(2):80–5
Surgically correctable renal transplant complications: an integrated clinical and radiologic approach. Coyne SS, et al. **AJR** 1981 Jun;136(6):1113–9
A simple method of repairing inadvertent filtering blebs after cataract surgery. Bruner WE, et al. **Am J Ophthalmol** 1981 Jun;91(6):794–6
Management of postoperative stroke after carotid endarterectomy. Treiman RL, et al. **Am J Surg** 1981 Aug; 142(2):236–8
The pulley canthopexy for residual telecanthus after hypertelorism repair or facial trauma. Furnas DW. **Ann Plast Surg** 1980 Aug;5(2):85–94
Umbilical reconstruction with secondary abdominoplasty. Guerrerosantos J, et al. **Ann Plast Surg** 1980 Aug; 5(2):139–44
Correction of hammer toe surgery deformity by Z-plasty and bone graft. Mladick RA. **Ann Plast Surg** 1980 Mar; 4(3):224–6
Superior sulcus deformity. Bello VM, et al. **Arch Ophthalmol** 1980 Dec;98(12):2215–6
Enterorectal and colorectal anastomosis. Evaluation of techniques including midtransverse or left-sided colon tube colostomy and pelvic drainage. Hilsabeck JR. **Arch Surg** 1981 Jul;116(7):921–5
The oculocardiac reflex as a surgical aid in identifying a slipped or 'lost' extraocular muscle. Apt L, et al. **Br J Ophthalmol** 1980 May;64(5):362–5
The salvage of occluded Dacron grafts. Macpherson DS, et al. **Br J Surg** 1981 Apr;68(4):281–3
Late sequelae of hypospadias repair. Flynn JT, et al. **Br J Urol** 1980 Dec;52(6):555–9
Water clearance patterns after open heart surgery. Stone JG, et al. **Bull NY Acad Med** 1980 Sep;56(7):610–5
Complications of ventriculoatrial and ventriculoperitoneal shunts in a new children's hospital. Ivan LP, et al. **Can J Surg** 1980 Nov;23(6):566–8
The calcar replacement femoral component for total hip arthroplasty: design, uses and surgical technique. Harris WH, et al. **Clin Orthop** 1981;(157):215–24
Conversion of ankylosed hips to total hip arthroplasty. Lubahn JD, et al. **Clin Orthop** 1980 Nov–Dec;(153):146–52
Duodenal erosion of a mesocaval graft: an unusual complication of mesocaval shunt interposition surgery. Wexler RM, et al. **Gastroenterology** 1980 Oct;79(4):729–30
Salvage operations for complication following replantation and free tissue transfer. Biemer E. **Int Surg** 1981 Jan–Mar; 66(1):37–8
Surgical reconstruction of the base of the acetabulum in migration of acetabular prostheses. Trinchi E, et al. **Ital J Orthop Traumatol** 1980 Aug;6(2):193–5
The operability of inoperable cases [editorial] Charles S. **J Am Intraocul Implant Soc** 1980 Apr;6(2):126
The surgical correction of postoperative astigmatism by wound revision. Cravy TV. **J Am Intraocul Implant Soc** 1980 Apr;6(2):160–3
Disposable irrigating discission knife. deHeer LJ, et al. **J Am Intraocul Implant Soc** 1980 Apr;6(2):174–5
Management of retropseudophakos membranes. Stark WJ, et al. **J Am Intraocul Implant Soc** 1980 Apr;6(2):137–40
Distally based sartorius muscle flap in the treatment of infected femoral arterial prostheses. Méndez Fernández MA, et al. **J Cardiovasc Surg (Torino)** 1980 Sep–Oct; 21(5):628–31
Late reoperations after aorto-iliac restaurations. Tingaud R, et al. **J Cardiovasc Surg (Torino)** 1980 Nov–Dec;21(6):665–8
The treatment of acquired hallux varus after the McBride procedure. Kimizuka M, et al. **J Foot Surg** 1980 Fall; 19(3):135–8
Use of compression bone plate after metatarsal nonunion. Russell RD. **J Foot Surg** 1980 Fall;19(3):159–61
Arthrodesis of the wrist-complications and their management. Clendenin MB, et al. **J Hand Surg** 1981 MAY; 6(3):253–7
Prevention of postoperative complications after a transoral transclival approach to basilar aneurysms. Technical note. Hayakawa T, et al. **J Neurosurg** 1981 May;54(5):699–703
Controlled spinal drainage in the treatment of CSF fistulae. Matricali B. **J Neurosurg Sci** 1980 Jul–Dec;24(3–4):147–9
Complications of ptosis surgery and their management: a review. Collin JR. **J R Soc Med** 1979 Jan;72(1):25–6
Surgical correction of recurrent sustained ventricular tachycardia following complete repair of tetralogy of Fallot. Harken AH, et al. **J Thorac Cardiovasc Surg** 1980 Nov;80(5):779–81
Reoperation for complications of the Nissen fundoplication. Leonardi HK, et al. **J Thorac Cardiovasc Surg** 1981 Jan; 81(1):50–6
Management of cardiocutaneous fistulas [letter] McCormick JR, et al. **J Thorac Cardiovasc Surg** 1981 Feb;81(2):317–8
Persistent stenosis and deformity of the right pulmonary artery after correction of the Waterston anastomosis. Wilson JM, et al. **J Thorac Cardiovasc Surg** 1981 Aug; 82(2):169–75
A method of repair of recurrent recto-vesico-prostatic fistula following prostatectomy. Antony J. **J Urol** 1980 Dec; 124(6):936–7
Revision stapedectomy: a review of 258 cases. Sheehy JL, et al. **Laryngoscope** 1981 Jan;91(1):43–51
Aortic graft-enteric fistula. Kiernan PD, et al. **Mayo Clin Proc** 1980 Dec;55(12):731–8
Surgical treatment of gastric stump carcinoma. Rauwerda JA, et al. **Neth J Surg** 1980;32(3):97–101
Impacted 'roof disc' as a cause of failure of lumbar disc surgery. Cuatico W. **Neurosurgery** 1980 May;6(5):518–23
Gracilis muscle repair of perineal hernia following pelvic exenteration. Bell JG, et al. **Obstet Gynecol** 1980 Sep; 56(3):377–80
Autogenous scleral graft in implant extrusion. McCarthy RW, et al. **Ophthalmic Surg** 1980 Oct;11(10):686–7
Exposure of intrascleral implants. Yoshizumi MO. **Ophthalmology (Rochester)** 1980 Nov;87(11):1150–4
Shoulder contour deformity after the Tikhoff-Linberg procedure: correction by silicone implant. Menick FJ, et al. **Plast Reconstr Surg** 1980 Nov;66(5):760–2
Iatrogenic pronator syndrome: case report. Danielsson LG. **Scand J Plast Reconstr Surg** 1980;14(2):201–3
Pseudoaneurysms and related complications of aortic bypass grafts. Harbrecht PJ, et al. **South Med J** 1980 Dec; 73(12):1587–91
Correction of spinal instability and recovery of neurologic loss following cervical vertebral body replacement. A case report. Light TR, et al. **Spine** 1980 Jul–Aug;5(4):392–4
Reoperation rate following lumbar discectomy. An analysis of 662 lumbar discectomies. Weir BK, et al. **Spine** 1980 Jul–Aug;5(4):366–70
Surgical management of extensive ano-rectal stricture with recto-urethral fistula resulting from previous ano-rectal surgery. Chen WJ. **Taiwan I Hsueh Hui Tsa Chih** 1980 Sep;79(9):819–27
Anastomotic ulcer: clinical study of 89 surgically treated cases. Wang SM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1980 May;79(5):443–53
Vitrectomy techniques in the management of complications in cataract surgery. Kanski JJ, et al. **Trans Ophthalmol Soc UK** 1980 Apr;100(Pt 1):216–8
Correction of late operative complications by means of a suction cutter. Van Oldenborgh HM. **Trans Ophthalmol Soc UK** 1980 Apr;100(Pt 1):219–21
[Relaparotomy in early postoperative complications in the abdominal cavity] Ganchev G, et al. **Probl Khig** 1980; 8:111–20 (Eng. Abstr.) **(Bul)**
[Early secondary thoracotomy in the treatment of anastomotic leakage following resection for carcinoma of the esophagus and gastric cardia—a report of 7 cases (author's transl)] Zhang DW, et al. **Chung Hua Chung Liu Tsa Chih** 1980 Sep;2(3):231–4 (Eng. Abstr.) **(Chi)**
[Reopening of ligated ductus arteriosus and the method of surgical repair (author's transl)] Hu BZ. **Chung Hua Wai Ko Tsa Chih** 1981 Apr;19(4):220–1 (Eng. Abstr.) **(Chi)**
[Surveillance of a patient wearing a valvular prosthesis and problem of repeat surgery (author's transl)] Acar J, et al. **Ann Cardiol Angeiol (Paris)** 1979 Dec;28(7):463–70 (Eng. Abstr.) **(Fre)**
[Surgical management of secondary disorders due to extensive intestinal resections by means of a functional sphincter. Experimental study in dogs (author's transl)] Antypas G, et al. **Ann Chir** 1980 Sep;34(7):482–6 (Eng. Abstr.) **(Fre)**
[Pseudomonas endocarditis on aortic valve prosthesis. Successful treatment by association of tobramycin-rifampicin-colistin and two reinterventions. Follow-up of 5 years (author's transl)] Dor V, et al. **Ann Chir** 1981;35(3):163–5 (Eng. Abstr.) **(Fre)**
[Surgical treatment of valvular aortic prosthetic infection (author's transl)] Gandjbakhch I, et al. **Ann Chir** 1981; 35(3):158–62 (Eng. Abstr.) **(Fre)**
[Epithelial invasion of the anterior chamber – anatomo-clinical analysis] Croughs P, et al. **Bull Soc Belge Ophtalmol** 1980;187(2):45–58 (Eng. Abstr.) **(Fre)**
[Repair of the conjunctival cavity of the anophthalmic orbit] Gola R, et al. **Bull Soc Ophtalmol Fr** 1979 Nov–Dec; 79(11–12):953–8 **(Fre)**
[restoration of duodenal passage in severe postoperative syndrome after surgery for gastro-duodenal ulcers. Experience with 40 cases (author's transl)] Hollender LF, et al. **J Chir (Paris)** 1980 Dec;117(12):671–6 (Eng. Abstr.) **(Fre)**
[Is a hysterectomy justifiable to prevent post-tubal ligation syndrome?] Maheux R, et al. **Union Med Can** 1980 Dec; 109(12):1753–6 (Eng. Abstr.) **(Fre)**
[Postoperative ileus—clinical aspects and surgical therapy]

Schriefers KH, et al. **Chirurg** 1980 Apr;51(4):202–6 **(Ger)**

[Postoperative ileus--anesthesiological viewpoint] Wiemers K. **Chirurg** 1980 Apr;51(4):198–210 **(Ger)**

[A case of successful neurolysis of both recurrent laryngeal nerves following thyroidectomy (author's transl)] Poppendieck J, et al. **HNO** 1980 Apr;28(4):132–4 (Eng. Abstr.) **(Ger)**

[Repeat surgery of the biliary tract including reconstructive surgery] Peiper HJ. **Internist (Berlin)** 1980 Oct; 21(10):597–606 **(Ger)**

[Open or/and closed operation technic in case of cholesteatoma (author's transl)] Gerlach H. **Laryngol Rhinol Otol (Stuttg)** 1981 Jan;60(1):20–3 (Eng. Abstr.) **(Ger)**

[Questions on the reoperation of the biliary tract] Steinbrecher P, et al. **Med Welt** 1981 Feb 27;32(9):288–94 **(Ger)**

[Percutaneous transhepatic extraction of a severed biliary drain] Günther R. **ROEFO** 1981 Mar;134(3):329–30 **(Ger)**

[Experience with tumors in solitary kidneys without hypothermia nor extracorporal surgery (author's transl)] Boeminghaus F, et al. **Urologe [Ausg A]** 1981 Jul; 20(4):190–5 (Eng. Abstr.) **(Ger)**

[External ventricular drainage: a possible method of treating cerebrospinal shunt infections and ventriculitis (author's transl)] Grubbauer HM, et al. **Wien Klin Wochenschr** 1981 Jun 12;93(12):393–5 (Eng. Abstr.) **(Ger)**

[Studies on relaparotomy in childhood (author's transl)] Angerpointner T, et al. **Z Kinderchir Grenzgeb** 1980 May; 30(1):13–5 (Eng. Abstr.) **(Ger)**

[The syndrome of the fifth postoperative day after appendicectomy (author's transl)] Berlien P, et al. **Z Kinderchir Grenzgeb** 1980 May;30(1):16–9 (Eng. Abstr.) **(Ger)**

[Syndactylia recurrences and their treatment (author's transl)] Blauth W, et al. **Z Kinderchir Grenzgeb** 1980 Jul;30 Suppl:53–7 (Eng. Abstr.) **(Ger)**

[Percutaneous nephrostomy in ureteric fistulas following antireflux operations (author's transl)] Jakse G, et al. **Z Kinderchir Grenzgeb** 1980 May;30(1):69–73 (Eng. Abstr.) **(Ger)**

[Relaparotomy after appendicectomy in childhood (author's transl)] Schütter FW, et al. **Z Kinderchir Grenzgeb** 1980 May;30(1):20–3 (Eng. Abstr.) **(Ger)**

[Mesenterical duplication and small bowel splinting for recurrent post-operative adhesions in childhood (author's transl)] Waag KL, et al. **Z Kinderchir Grenzgeb** 1980 May; 30(1):46–8 **(Ger)**

[Recurrent carpal tunnel syndrome--synovial flap technique (author's transl)] Wulle C. **Z Plast Chir** 1980 Dec; 4(4):266–71 (Eng. Abstr.) **(Ger)**

[Therapeutic procedure in acute ulcer hemorrhage after cadaver donor kidney transplants] Templin R, et al. **Z Urol Nephrol** 1980 Oct;73(10):733–6 (Eng. Abstr.) **(Ger)**

[Problem of endoscopic gluing of an esophagotracheal fistula recurrence following surgery for esophageal atresia using tissue adhesives] Daniel P, et al. **Zentralbl Chir** 1980; 105(22):1522–4 **(Ger)**

[Bilateral amputation above the knee following incorrect treatment of lymphatic oedema (author's transl)] Födi M, et al. **Zentralbl Chir** 1980;105(18):1216–9 (Eng. Abstr.) **(Ger)**

[Fractures of the femur following prosthetic replacement of the hip-and knee joint (author's transl)] Jahn K, et al. **Zentralbl Chir** 1981;106(7):463–8 (Eng. Abstr.) **(Ger)**

[Gas gangrene of the abdominal wall after cholecystectomy; recovery (author's transl)] Michelsen EG, et al. **Zentralbl Chir** 1980;105(23):1553–61 (Eng. Abstr.) **(Ger)**

[Spontaneous frotobasal cerebrospinal fluid fistula] Iizuka J. **Zentralbl Neurochir** 1980;41(3):201–8 (Eng. Abstr.) **(Ger)**

[Sequelae of faulty wiring of the shoulder] Szabó GJ, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1980; 23(3):236–9 **(Hun)**

[Arteriovenous fistula of the renal peduncle following nephrectomy] Pavanello PM, et al. **Ann Ital Chir** 1980; 52(5):485–95 **(Ita)**

[A case report of reoperation for late stenosis of aorto-coronary bypass graft (author's transl)] **Kyobu Geka** 1981 Mar;34(3):230–5 (Eng. Abstr.) **(Jpn)**

[Reconstructive operations on the biliary tract] Dybicki J, et al. **Pol Przegl Chir** 1980;52(10):857–65 (Eng. Abstr.) **(Pol)**

[Secondary operations on the biliary tract after cholecystectomy] Kuśmierski S. **Pol Przegl Chir** 1980 JUN; 52(6):491–7 (Eng. Abstr.) **(Pol)**

[Surgical treatment of diseases of the solitary kidney] Fryczkowski M, et al. **Pol Tyg Lek** 1980 Jun 23; 35(25):933–5 (Eng. Abstr.) **(Pol)**

[Endoscopic characteristics of the stump after operation of transsternal transpericardial occlusion of the main bronchi] Bogush LK, et al. **Grudn Khir** 1981 Mar-Apr;(2):46–50 (Eng. Abstr.) **(Rus)**

[2 cases of successful closure of a fenestrated tracheal defect in the presence of empyema and a large thoracic defect after a right-sided pulmonectomy] Ivanov AV, et al. **Grudn Khir** 1980 Sep-Oct;(5):84–5 **(Rus)**

[Elimination of the bronchial fistula after pneumonectomy] Kharchenko VP, et al. **Khirurgiia (Mosk)** 1981 Feb; (2):100–2 **(Rus)**

[Early and late postoperative complications and repeated reconstructive operations on the femoropopliteal segment] Klioner LI, et al. **Khirurgiia (Mosk)** 1981 Feb;(2):88–93 **(Rus)**

[Early relaparotomy] Komakhidze ME, et al. **Khirurgiia (Mosk)** 1980 Sep;(9):85–7 **(Rus)**

[Choice of the plastic repair method in postoperative hernias] Orfanidi AKh. **Khirurgiia (Mosk)** 1981 Jul;(7):52–3 **(Rus)**

[Surgical procedure in postoperative alkaline reflux gastritis] Saenko VF, et al. **Klin Khir** 1981 Feb;(2):25–9 (Eng. Abstr.) **(Rus)**

[Successful thromboembolectomy from the abdominal aorta after an operation for destructive appendicitis] Shpizel' RS, et al. **Klin Khir** 1981 Apr;(4):71–2 **(Rus)**

[Surgical treatment of a common bile duct fistula after a Billroth II gastric resection] Zemskov VS, et al. **Klin Khir** 1981 Jan;(1):54–5 **(Rus)**

[Choice of the type of repeat operations in complications after surgical interventions on the lungs] Slepuhka IM, et al. **Probl Tuberk** 1980 Oct;(10):53–7 (Eng. Abstr.) **(Rus)**

[Surgical treatment of postoperative small-intestinal fistulas] Golubkova GM, et al. **Sov Med** 1980;(6):82–5 **(Rus)**

[Successful removal of a hidden choledochal drain during fiber endoscopy after a Billroth II gastric resection] Kushnirenko OIu, et al. **Sov Med** 1980;(10):119–21 **(Rus)**

[Surgical treatment of combined postoperative defects of the middle of the face] Sidorov SD. **Stomatologiia (Mosk)** 1980 Nov-Dec;59(6):32–4 (Eng. Abstr.) **(Rus)**

[Early, repeated surgical interventions] Polazhinets MN. **Vestn Khir** 1980 Aug;125(8):59–62 (Eng. Abstr.) **(Rus)**

[Early relaparotomies in relation to mechanical intestinal obstruction] Tishinskaia ZV, et al. **Vestn Khir** 1980 Nov; 125(11):44–8 (Eng. Abstr.) **(Rus)**

[The treatment and prevention of early postoperative adhesive ileus with the Noble and Child-Phillips operations] Segedin J, et al. **Acta Chir Iugosl** 1980;27 Suppl 1:325–30 **(Scr)**

[Treatment of intestinal obstruction after surgery (author's transl)] Ros Mar Z, et al. **An Esp Pediatr** 1980 Jun; 13(6):503–6 (Eng. Abstr.) **(Spa)**

THERAPY

Postoperative complications of thoracic surgery: their recognition and treatment. Katz LE. **AANA J** 1980 Jun; 48(3):222–9

Percutaneous transluminal angioplasty: newer applications. Novelline RA. **AJR** 1980 Nov;135(5):983–8

Nutritional complications in postsurgical patients. Copeland EM 3d, et al. **Am Surg** 1981 Feb;47(2):67–71

Cerebral hemodynamics and metabolism in postoperative cerebral vasospasm and treatment with hypertensive therapy. Montgomery EB Jr, et al. **Ann Neurol** 1981 May; 9(5):502–6

An instrument for closed compression of capsular contracture of the breast. Snyder GB, et al. **Ann Plast Surg** 1980 Mar; 4(3):245–7

Positive end-expiratory pressure in the management of the patient with a postoperative bleeding heart. Ilabaca PA, et al. **Ann Thorac Surg** 1980 Sep;30(3):281–4

Piggyback contact lenses for reducing postkeratoplasty astigmatism [letter] Kohn AN. **Arch Ophthalmol** 1980 Dec; 98(12):2246

Traumatic asplenia in adults: a defined hazard? Dickerman JD. **Arch Surg** 1981 Mar;116(3):361–3

Greenfield filter in renal transplant patients. Jarrell BE, et al. **Arch Surg** 1981 Jul;116(7):930–2

Efficiency of two variable performance techniques of oxygen therapy in relieving postoperative hypoxaemia. Jacobsen JB, et al. **Br J Anaesth** 1980 Sep;52(9):925–30

Problems of the immediate postanaesthesia period [letter] Notcutt WG. **Br J Hosp Med** 1981 Jun;25(6):645–6

Transluminal dilatation of transplant renal artery stenosis. Quin RO, et al. **Br Med J** 1980 Jul 19;281(6234):196–7

Retained calculi in the common bile duct [letter] Hurst DW. **Can J Surg** 1980 Sep;23(5):418

Percutaneous transluminal dilation of aortocoronary saphenous vein bypass grafts. Ford WB, et al. **Chest** 1981 May;79(5):529–35

A treatment plan for the dislocated total hip arthroplasty. Ritter MA. **Clin Orthop** 1980 Nov-Dec;(153):153–5

Management of acute renal failure complicating cardiac surgery in infants and children. John EG, et al. **Crit Care Med** 1980 Oct;8(10):562–9

Deep venous thrombosis of the legs following surgery: prophylaxis and treatment. Scurr JH, et al. **Curr Surg** 1980 Sep-Oct;37(5):301–7

Ostomy skin care. Rothstein MS. **Cutis** 1980 Aug;26(2):200–3

Therapeutic approaches to postoperative contracture of the vesical neck. Seppelt U. **Endoscopy** 1981 Mar;13(2):74–6

Latest management of pulmonary complications following esophageal cancer surgery in Japan. Nakayama K, et al. **Int Adv Surg Oncol** 1981;4:111–25

Postoperative management: complications. Oka Y, et al. **Int Anesthesiol Clin** 1980 Spring;18(1):217–31

Differential lung ventilation with HFPPV. Miranda DR, et al. **Intensive Care Med** 1981 Apr;7(3):139–41

Supracondylar fracture of the femur following total knee replacement. Report of four cases. Hirsh DM, et al. **J Bone Joint Surg [Am]** 1981 Jan;63A(1):162–3

Transcatheter embolization for the control of wound hemorrhage following hip surgery. Stock JR, et al. **J Bone Joint Surg [Am]** 1980 Sep;62(6):1000–3

Management of deep infection of total hip replacement. Buchholz HW, et al. **J Bone Joint Surg [Br]** 1981; 63-B(3):342–53

The treatment of raised intracranial pressure following aneurysm surgery. Fearnside MR, et al. **J Neurol Neurosurg Psychiatry** 1980 Nov;43(11):957–61

Stomal care in pharyngocutaneous fistulas. Belisle G, et al. **J Otolaryngol** 1980 Oct;9(5):399–404

Successful transluminal angioplasty of totally occluded grafts [letter] Ford WB. **J Thorac Cardiovasc Surg** 1980 Sep; 80(3):463

The use of self-retained ureteral stents in the management of urologic complications in renal transplant recipients. Berger RE, et al. **J Urol** 1980 Dec;124(6):781–2

Surgical complications and their management. Cady B, et al. **Major Probl Clin Surg** 1980;15:224–32

Management of rupture in allografted kidneys. van der Vliet JA, et al. **Neth J Surg** 1980;32(2):45–8

Prospective randomized study of therapy in cerebrospinal fluid shunt infection. James HE, et al. **Neurosurgery** 1980 Nov;7(5):459–63

Oesophageal atresia and tracheo-oesophageal fistula. MacKinlay GA, et al. **Physiotherapy** 1979 Dec; 65(12):379–81

Ventilation: external regulation of the environment of the lung. Drinker PA, et al. **Surg Clin North Am** 1980 Dec; 60(6):1429–35

Management of atelectasis and pneumonia. Lewis FR. **Surg Clin North Am** 1980 Dec;60(6):1391–401

Bronchoscopy in respiratory care. Ratliff JL. **Surg Clin North Am** 1980 Dec;60(6):1497–501

Management of postoperative and posttraumatic respiratory failure in the intensive care unit. Waxman K, et al. **Surg Clin North Am** 1980 Dec;60(6):1413–28

Management of severe respiratory failure. Weinstein ME, et al. **Surg Clin North Am** 1980 Dec;60(6):1403–12

A device for the control of colostomy prolapse. Colmer ML, et al. **Surg Gynecol Obstet** 1981 Jun;152(6):827–8

Postoperative choledochoscopy through the T-tube tract. Moss JP, et al. **Surg Gynecol Obstet** 1980 Dec;151(6):806–9

Retrieval of the Greenfield vena caval filter. Greenfield LJ, et al. **Surgery** 1980 Nov;88(5):719–22

Effects of antithymocyte globulin on cytomegalovirus infection in renal transplant recipients. Rubin RH, et al. **Transplantation** 1981 Feb;31(2):143–5

Transcatheter gelfoam embolization in intractable prostatic bleeding. Russinovich NA, et al. **Urol Radiol** 1979–80; 1(3):179–81

Urinary tract reconstruction in renal transplantation. Mayo Clinic experience and review of literature. Waltzer WC, et al. **Urology** 1980 Sep;16(3):233–41

Treatment of postoperative ureteral stricture by catheter dilation: a forgotten procedure. Witherington R, et al. **Urology** 1980 Dec;16(6):592–5

[The effect of reflexotherapy on complaints after cholecystectomy] Spěvák B, et al. **Fysiatr Reumatol Vestn** 1981 Jun;59(3):172–6 (Eng. Abstr.) **(Cze)**

[Treatment of isolated postoperative respiratory complications by constant positive pressure in spontaneous ventilation] Bourrelli B, et al. **Ann Anesthesiol Fr** 1980; 21(4):399–406 (Eng. Abstr.) **(Fre)**

[Epiphora after transposition of Stenon's duct. Therapeutic solution] Gola R, et al. **Bull Soc Ophtalmol Fr** 1980 Oct; 80(10):935–8 **(Fre)**

[Continuous enteral feeding to reduce diarrhea and steatorrhea following ileal resection (author's transl)] Cosnes J, et al. **Gastroenterol Clin Biol** 1980 Oct;4(10):695–9 (Eng. Abstr.) **(Fre)**

[Tertiary hyperparathyroidism after renal transplantation in man. Treatment by parathyroidectomy and auto-graft. Eight cases (author's transl)] Tanguy G, et al. **J Chir (Paris)** 1981 Jan;118(1):39–44 (Eng. Abstr.) **(Fre)**

[Intestinal fistulas in evisceration. Therapeutic considerations apropos of 10 cases] Hollender LF, et al. **Med Chir Dig** 1980;9(4):309–10 **(Fre)**

[Aspiration lavage of a postoperative left subdiaphragmatic abscess under televised radioscopy (letter)] Desjacques P, et al. **Nouv Presse Med** 1980 May 10;9(21):1524 **(Fre)**

[Experience in the treatment of external intestinal fistulas] Capizzi FD, et al. **Schweiz Med Wochenschr** 1981 Jun 20; 111(25):930–4 (Eng. Abstr.) **(Fre)**

[Complications of aortoiliac surgery and their postoperative therapy] Kónya L, et al. **Acta Chir Acad Sci Hung** 1979; 20(2–3):177–86 (Eng. Abstr.) **(Ger)**

[Portal hypertension-pre- and post operative therapy] Hütteroth TH, et al. **Chirurg** 1980 Jul;51(7):421–6 **(Ger)**

[Limits of reconstruction and treatment of irreparable late sequelae after ligament injuries (author's transl)] Jäger M, et al. **Unfallheilkunde** 1980 Aug;83(8):422–5 (Eng. Abstr.) **(Ger)**

[Prophylactic and therapeutic intermittent positive pressure breathing with combined therapeutic aerosols (IPPB/I)--functional and morphological effects. II. Therapeutic IPPB/I in ventilation disturbances of the lung (author's transl)] Kleinau H, et al. **Z Erkr Atmungsorgane** 1981;156(2):151–8 (Eng. Abstr.) **(Ger)**

[Diagnosis and guidelines for physical therapy in postmastectomy, chronic, progressive lymphedema of the arm] Asdonk J, et al. **Z Lymphol** 1980 Sep;4(2):51–66 (Eng. Abstr.) **(Ger)**

[Treatment of postoperative pulmonary embolism (author's transl)] Heinrichs C. **Zentralbl Gynaekol** 1981;103(8):425–33 (Eng. Abstr.) **(Ger)**

[Complications and treatment of 279 cases of elective radical colonic surgery] Nagy A, et al. **Orv Hetil** 1980 Nov 9; 121(45):2751–5 **(Hun)**

[Effect of hyperbaric oxygenation on tissue metabolism indices in patients with acute heart failure] Bondarenko AV, et al. **Anesteziol Reanimatol** 1981 Mar–Apr;(2):30–4 (Eng. Abstr.) **(Rus)**

[Correction of gastric and intestinal motility disorders after operations on the abdominal organs] Pankov VI. **Khirurgiia (Mosk)** 1981 Mar;(3):28–31 (Eng. Abstr.) **(Rus)**

[Treatment of septic states in surgery] Dubitskiĭ AE, et al. **Klin Khir** 1981 Jan;(1):53 **(Rus)**

[Peridural blockade in the combined treatment and prevention of postoperative functional intestinal obstruction] Luzhnov KV, et al. **Klin Khir** 1981 Apr;(4):74 **(Rus)**

[Combined therapy of tubular fistulae of the digestive canal using ultrasound] Udod VM, et al. **Klin Khir** 1981 Feb; (2):11–3 (Eng. Abstr.) **(Rus)**

[Postoperative cystitis in children] Arsanukaev MA, et al. **Urol Nefrol (Mosk)** 1980 Nov–Dec;(6):14–7 (Eng. Abstr.) **(Rus)**

[Postoperative complications and methods of intensive therapy of severe cranio–cerebral trauma] Beliakov VA, et al. **Vestn Khir** 1981 Jan;126(1):93–8 (Eng. Abstr.) **(Rus)**

[Successful treatment of fecal peritonitis and of a high, large intestine fistula developing after sigmoid resection for cancer] Parilov VI. **Vestn Khir** 1981;126(5):90–1 **(Rus)**

VETERINARY

Colonic perforation following neurosurgical procedures and corticosteroid therapy in four dogs. Toombs JP, et al. **J Am Vet Med Assoc** 1980 Jul 1;177(1):68–72

Castration of mules by unskilled laymen: surgical correction of traumatic results. Nyack B, et al. **VM SAC** 1981 Mar; 76(3):415–8

POSTOPERATIVE PERIOD see under **SURGERY, OPERATIVE**

POSTPARTUM PERIOD see **PUERPERIUM**

POSTPERICARDIOTOMY SYNDROME see under **HEART DISEASES**

POSTURE

see related
KINESICS

Monitoring for neurosurgical procedures in the sitting position. Krier C, et al. **Acta Anaesthesiol Belg** 1980;31 Suppl:101–5

Posture with elevated and extended thorax. The influence of the position on some haemodynamic and ventilatory parameters under general anaesthesia. Videback F. **Acta Anaesthesiol Scand** 1980 Dec;24(6):458–61

Evaluation by multivariate analysis of changes in systolic time intervals during exercise in the supine and upright positions. Rengo F, et al. **Acta Cardiol (Brux)** 1980; 35(5):357–71

The postural support of movement in cat and dog. Gahéry Y, et al. **Acta Neurobiol Exp (Warsz)** 1980;40(4):741–55

Studies of parkinsonian movement: 2. Initiation of fast voluntary eye movement during postural disturbance. Teräväinen H, et al. **Acta Neurol Scand** 1980 Sep; 62(3):149–57

Human vestibulo–spinal responses to direct electrical eighth nerve stimulation. Black FO, et al. **Acta Otolaryngol (Stockh)** 1980;90(1–2):86–92

The role of the vestibular system in relation to muscle tone and postural reflexes in man. Molina–Negro P, et al. **Acta Otolaryngol (Stockh)** 1980 May–Jun;89(5–6):524–33

The role of the labyrinth in standing posture regulation. Tokita T, et al. **Acta Otolaryngol (Stockh)** 1981 May–Jun; 91(5–6):521–7

The use of impedance cardiography in the young and elderly during postural stress. Thangarajah N, et al. **Age Ageing** 1980 Nov;9(4):235–40

Fifth International Symposium of Posturography. Amsterdam, 18–22th June 1979 (first part). **Agressologie** 1979;20(B):99–178

Fifth International Symposium of Posturography. Amsterdam, 18th–22th June 1978. Part 2. **Agressologie** 1979;20(C):179–236

The autoregressive structure of postural sway. Bräuer D, et al. **Agressologie** 1980;21(E):101–4

Changes in the measurement of postural sway resulting from repeated testing. Holliday PJ, et al. **Agressologie** 1979; 20(4):225–8

Significance of velocity power–spectrum analysis in postural reflex and equilibrium dysfunction. Watanabe I, et al. **Agressologie** 1980;21(E):105–11

Observation by gravigoniometric test. Watanabe I, et al. **Agressologie** 1980;21(E):113–7

Prone–supine change in organ position: CT demonstration. Ball WS, et al. **AJR** 1980 Oct;135(4):815–20

Postural–related supraventricular tachyarrhythmia in the mitral valve prolapse syndrome. Oliven A, et al. **Am Heart J** 1981 July;102(1):130–1

Hemodynamic abnormalities in response to supine exercise in patients after operative correction of tetrad of Fallot after early childhood. Rocchini AP. **Am J Cardiol** 1981 Aug;48(2):325–30

Knee–chest position and neonatal oxygenation and blood pressure. Spahr RC, et al. **Am J Dis Child** 1981 Jan; 135(1):79–80

Stimulus control, transfer, and maintenance of upright walking posture in a severely mentally retarded adult. Horner RH. **Am J Ment Defic** 1981 Jul;86(1):86–96

How to do segmental postural drainage. **Am J Nurs** 1981 Mar;81(3):525–6

The Trendelenburg position for obstetric ultrasound. Hill LM, et al. **Am J Obstet Gynecol** 1980 Dec 15; 138(8):1229–30

The standing cystometrogram. Weprin SA, et al. **Am J Obstet Gynecol** 1980 Oct 15;138(4):369–73

Duration and quality of the prone extension position in four–, six–, and eight–year–old normal children. Harris NP. **Am J Occup Ther** 1981 Jan;35(1):26–30

Designing a better postural measurement system. Andres RO, et al. **Am J Otolaryngol** 1980 May;1(3):197–206

Benign paroxysmal positional nystagmus. Baloh RW, et al. **Am J Otolaryngol** 1979 Fall;1(1):1–6

Influence of head height on arterial blood pressure in standing horses. Parry BW, et al. **Am J Vet Res** 1980 Oct; 41(10):1626–31

Postural relief of dyspnea in severe chronic obstructive pulmonary disease. Sharp JT, et al. **Am Rev Respir Dis** 1980 Aug;122(2):201–11

Brachial plexus palsy after anaesthesia in the sitting position. Saady A. **Anaesthesia** 1981 Feb;36(2):194–5

Spread of epidural anesthesia and the lateral position. Apostolou GA, et al. **Anesth Analg (Cleve)** 1981 Aug; 60(8):584–6

Prone positioning in obesity [letter] Bentley JB, et al. **Anesth Analg (Cleve)** 1981 Jul;60(7):537

Obesity, gravity, and spread of epidural anesthesia. Hodgkinson R, et al. **Anesth Analg (Cleve)** 1981 Jun; 60(6):421–4

Stenting of the endotracheal tube to manage airway obstruction in the prone position. Rao CC, et al. **Anesth Analg (Cleve)** 1980 Sep;59(9):700–1

Airway–obstructing supraglottic edema following anesthesia with the head positioned in forced flexion. Bennett RL, et al. **Anesthesiology** 1981 Jan;54(1):78–80

The validity of physique–based inverted pendulum models of postural sway behaviour. Soames RW, et al. **Ann Hum Biol** 1980 Mar–Apr;7(2):145–53

Pressure differential of intraocular pressure measured between supine and sitting position. Weber AK, et al. **Ann Ophthalmol** 1981 Mar;13(3):323–6

Effect of external pressure on axillofemoral bypass grafts. Jarowenko MV, et al. **Ann Surg** 1981 Mar;193(3):274–6

The influence of sodium restriction on orthostatic sympathetic nervous activity. Lilavivathana U, et al. **Arch Intern Med** 1980 Nov;140(11):1485–9

Reciprocal responses to sinusoidal tilt of neurons in Deiters' nucleus and their dynamic characteristics. Boyle R, et al. **Arch Ital Biol** 1980 Mar;118(1):1–32 (57 ref.)

Effect of sensorimotor cortical ablation on the placing reaction in the standing cat. Massion J, et al. **Arch Ital Biol** 1981 May;119(2):108–24

Sitting position for acoustic tumor surgery [letter] Ransohoff J. **Arch Otolaryngol** 1980 Oct;106(10):655

Skin blood flow in seated geriatric patients. Bennett L, et al. **Arch Phys Med Rehabil** 1981 Aug;62(8):392–8

Head–up tilt effect on glomerular filtration rate, renal plasma flow, and mean arterial pressure in spinal man. Ragnarsson KT, et al. **Arch Phys Med Rehabil** 1981 Jul;62(7):306–10

Some methods and parameters of body sway quantification and their neurological applications. Hufschmidt A, et al. **Arch Psychiatr Nervenkr** 1980;228(2):135–50

The roll–over test as a screening procedure for gestational hypertension. Andersen GJ. **Aust NZ J Obstet Gynaecol** 1980 Aug;20(3):144–50

Effects of different body positions on the Eustachian tube function in the selection of airmen. Groth P, et al. **Aviat Space Environ Med** 1980 Sep;51(9 Pt 1):913–7

Effect of body supination angle on subjective response to whole–body vibration. Harrah CB, et al. **Aviat Space Environ Med** 1981 Jan;52(1):28–32

Blood pressure and oxygenation in different cardiovascular compartments of a normal man during postural exposures. Katkov VE, et al. **Aviat Space Environ Med** 1980 Nov; 51(11):1234–42

Orthostatic responses in heat tolerant and intolerant subjects compared by three different methods. Keren G, et al. **Aviat Space Environ Med** 1980 Nov;51(11):1205–8

Effects of whole–body vibrations on standing posture in man. Martin B, et al. **Aviat Space Environ Med** 1980 Aug; 51(8):778–87

Does postural asymmetry indicate directionally of rotation in rats: role of sex and handling. Myslobodsky MS, et al. **Behav Brain Res** 1981 Jan;2(1):113–7

Sequential inhibitory effect of progesterone on lordotic responsiveness in rats: time course, estrogenic nullification, and actinomycin–D insensitivity. Shivers BD, et al. **Biol Reprod** 1980 Dec;23(5):963–73

The airway in the upright anaesthetised patient [letter] Ball HC, et al. **Br Dent J** 1981 Aug 18;151(4):111

The airway in the upright anaesthetised patient. Tomlin PJ, et al. **Br Dent J** 1981 Jun 2;150(11):312–4

Postural heart block. Seda PE, et al. **Br Heart J** 1980 Aug; 44(2):221–3

Cardiovascular responses to the sitting position [letter] Albin MS, et al. **Br J Anaesth** 1980 Sep;52(9):961–2

Effects of posture on the spread of isobaric and hyperbaric amethocaine. Wildsmith JA, et al. **Br J Anaesth** 1981 Mar; 53(3):273–8

Problems of the immediate postanaesthesia period [letter] Notcutt WG. **Br J Hosp Med** 1981 Jun;25(6):645–6

Plasma osmolality and urinary concentration and dilution during and after pregnancy: evidence that lateral recumbency inhibits maximal urinary concentrating ability. Davison JM, et al. **Br J Obstet Gynaecol** 1981 May; 88(5):472–9

Urethral supersensitivity and occult urethral neuropathy. Parsons KF, et al. **Br J Urol** 1980 Apr;52(2):131–7

The effect of acute abolition of knee joint afferent discharge on postural reflexes in the conscious cat. Ferrell WR, et al. **Brain Res** 1980 Dec 8;202(2):493–6

Do spindle afferents monitor joint position in man? A study with active position holding. Vallbo AB, et al. **Brain Res** 1981 Jan 5;204(1):209–13

Gas exchange problems in bilateral diaphragm paralysis. Loh L, et al. **Bull Eur Physiopathol Respir** 1979;15 Suppl:137–43

Evaluation of working positions in industrial work by means of electromyography. Part I. Methods. Almström C, et al. **Bull Inst Marit Trop Med Gdynia** 1980;31(3–4):177–84

The effect of posture on the ventilatory response to hypoxia. Slutsky AS, et al. **Can Anaesth Soc J** 1980 Sep;27(5):445–8

Right middle lobe aspiration pneumonia following gasoline siphonage [letter] Carlson DH. **Chest** 1981 Aug;80(2):246–7

Effects of respiration and posture on PSVT [letter] Guntheroth WG. **Circulation** 1981 Apr;63(4):971

Effects of respiration and posture on paroxysmal supraventricular tachycardia. Waxman MB, et al. **Circulation** 1980 Nov;62(5):1011–20

Comparison of hypotensive, orthostatic and sympathetic inhibitory actions of antihypertensive drugs in rats. Baum T, et al. **Clin Exp Hypertens** 1981;3(2):219–43

Positioning techniques in spinal surgery. Callahan RA, et al. **Clin Orthop** 1981 Jan–Feb;(154):22–6

The effects of limb elevation and dependency on local arteriovenous gradients in normal human limbs with particular reference to limbs with increased tissue pressure. Matsen FA 3d, et al. **Clin Orthop** 1980 Jul–Aug; (150):187–95

Immunoreactive substance P in human plasma: response to changes in posture and sodium balance. Kramer HJ, et al. **Clin Sci** 1980 Jul;59(1):75–7

The effect of the methionine enkephalin analogue DAMME on the vasopression response to tilt in man. Lightman SL, et al. **Clin Sci** 1980 Dec;59(6):501–3

Renin release during head–up tilt occurs independently of sympathetic nervous activity in tetraplegic man. Mathias CJ, et al. **Clin Sci** 1980 Oct;59(4):251–6

Effect of head–up tilt on subcutaneous blood flow during the course of acute myocardial infarction. Skagen K. **Clin Sci** 1981 Feb;60(2):213–6

Exploiting gravity in abdominal angiography. Damascelli B, et al. **Diagn Imaging** 1981;50(3):113–29

Evaluation of elevation of the head of the bed, bethanechol, and antacid form tablets on gastroesophageal reflux. Johnson LF, et al. **Dig Dis Sci** 1981 Aug;26(8):673–80

Arm positioning in manual tasks. An electromyographic study of localized muscle fatigue. Herberts P, et al. **Ergonomics** 1980 Jul;23(7):655–65

Physiological responses to weight lifting in different planes. Kumar S. **Ergonomics** 1980 Oct;23(10):987–93

Variation in human response to whole–body vibration. Oborne DJ, et al. **Ergonomics** 1981 Apr;24(4):301–13

The principal features of maximal exertion in the sagittal plane. Pheasant ST, et al. **Ergonomics** 1981 May; 24(5):327–38

Means of improving a tractor driver's working posture. Sjøflot L. **Ergonomics** 1980 Aug;23(8):751–61

Effect of standing and squatting on echocardiographic left ventricular function. Lewis BS, et al. **Eur J Cardiol** 1980; 11(6):405–12

Effects of furosemide and orthostasis on active and inactive renin in normal and anephric man. Konrads A, et al. **Eur J Clin Invest** 1981 Apr;11(2 Suppl 1):105–9

Effect of posture and sleep on pharmacokinetics. I. Amoxycillin. Roberts MS, et al. **Eur J Clin Pharmacol** 1980 Aug;18(2):175–83

Vertical position during the first stage of the course of labor, and neonatal outcome. Diaz AG, et al. **Eur J Obstet Gynaecol Reprod Biol** 1980 Sep;11(1):1–7

Behavioral effects of unilateral dopamine injection into dorsal or ventral striatum. Joyce JN, et al. **Eur J Pharmacol** 1981 Jun 10;72(1):1–10

Body oscillations in balancing due to segmental stretch reflex activity. Dietz V, et al. **Exp Brain Res** 1980;40(1):89–95

Postural readjustment to body sway induced by vibration in man. Hayashi R, et al. **Exp Brain Res** 1981;43(2):217–25

Compensation of postural reactions to free–fall in the vestibular neurectomized monkey. Role of the visual motions cues. Lacour M, et al. **Exp Brain Res** 1980; 40(1):103–10

Influence of a diagonal postural pattern on parameters of

movement and associated postural adjustment in the cat. Legallet E, et al. **Exp Brain Res** 1980;40(1):35–44

Relation of automatic postural responses and reaction-time voluntary movements of human leg muscles. Nashner LM, et al. **Exp Brain Res** 1981;43(3–4):395–405

Postural effects of neck muscle vibration in man. Lund S. **Experientia** 1980 Dec 15;36(12):1398

Effect of backrest position on cardiac output measured by the thermodilution method in acutely ill patients. Grose BL, et al. **Heart Lung** 1981 Jul–Aug;10(4):661–5

Positioning the patient with intracranial hypertension: how turning and head rotation affect the internal jugular vein. Lipe HP, et al. **Heart Lung** 1980 Nov–Dec;9(6):1031–7

Hemodynamics in healthy subjects during moderate physical exertion in the lying and sitting positions. Katkovskii BS, et al. **Hum Physiol** 1980 Nov–Dec;6(6):407–10

Regulation of the cardiac rhythm and postural effect during expeditions in different climatogeographic regions of Antarctica. Shevchenko YS. **Hum Physiol** 1980 May–Jun; 6(3):226–32

Regional hemodynamic changes and state of vasomotor regulation after antiorthostatic hypokinesia lasting 182 days. Vasil'eva TD, et al. **Hum Physiol** 1980 Sep–Oct; 6(5):325–8

On the role of dynamic models in quantitative posturography. Koozekanani SH, et al. **IEEE Trans Biomed Eng** 1980 Oct; 27(10):605–9

Significance of force-feedback in controlling artificial locomotion-manipulation systems. Vukobratović M, et al. **IEEE Trans Biomed Eng** 1980 Dec;27(12):705–13

Semiprone position and continuous intragastric drip in conservative management of tetanus neonatorum. Verma YS, et al. **Indian J Pediatr** 1980 Sept–Oct;47(388):385–7

Posture and anthropometric variables in Irish males: variations with social group and rural–urban environment. Watson AW. **Ir J Med Sci** 1981 May;150(5):136–43

Prevention of falls in the elderly. Overstall PW. **J Am Geriatr Soc** 1980 Nov;28(11):481–4

Effects on body position and cholinergic blockade on mechanics of collateral ventilation. Batra G, et al. **J Appl Physiol** 1981 Feb;50(2):358–62

Model for antiorthostatic hypokinesia: head-down tilt effects on water and salt excretion. Deavers DR, et al. **J Appl Physiol** 1980 Oct;49(4):576–82

Autonomic mechanisms in the initial heart rate response to standing. Ewing DJ, et al. **J Appl Physiol** 1980 Nov; 49(5):809–14

Effect of prolonged recombency on pulmonary blood volume in normal humans. Hirasuna JD, et al. **J Appl Physiol** 1981 May;50(5):950–5

Effect of upright exercise on threshold for cutaneous vasodilation and sweating. Johnson JM, et al. **J Appl Physiol** 1981 Apr;50(4):814–8

Beat-by-beat stroke volume assessment by pulsed Doppler in upright and supine exercise. Loeppky JA, et al. **J Appl Physiol** 1981 Jun;50(6):1173–82

Left ventricular function and volume during supine exercise in subjects with coronary artery disease. Manyari DE, et al. **J Appl Physiol** 1981 Mar;50(3):636–42

Hypoxia effects on plasma volume shifts at rest, work, and recovery in supine posture. Miles DS, et al. **J Appl Physiol** 1981 Jul;51(1):148–53

Regional extravascular and interstitial lung water in normal dogs. Snashall PD, et al. **J Appl Physiol** 1980 Oct; 49(4):547–51

Analysis of the linear displacement of the head and trunk during walking at different speeds. Cappozzo A. **J Biomech** 1981;14(6):411–25

The effect of posture on the role of the apophysial joints in resisting intervertebral compressive forces. Adams MA, et al. **J Bone Joint Surg [Br]** 1980 Aug;62(3):358–62

Value of the prone position in detecting pulmonary nodules by computed tomography. Spirt BA. **J Comput Assist Tomogr** 1980 Dec;4(6):871–3

Studies on heat tolerance at rest and orthostatic heat tolerance in a hot environment. Hori S, et al. **J Hum Ergol (Tokyo)** 1979 Dec;8(2):101–7

The relationship between body sway and foot pressure in normal man. Koles ZJ, et al. **J Med Eng Technol** 1980 Nov;4(6):279–85

Erector spinae muscle responses while standing. Ertekin N, et al. **J Neurol Neurosurg Psychiatry** 1981 Jan;44(1):73–8

Cells of origin of medullary projections in central gray of rat mesencephalon. Sakuma Y, et al. **J Neurophysiol** 1980 Nov;44(5):1002–11

Postural changes alter synaptic interactions between nonspiking interneurons and motor neurons of the locust. Siegler MV. **J Neurophysiol** 1981 Aug;46(2):310–23

Posture and history of movement determine membrane potential and synaptic events in nonspiking interneurons and motor neurons of the locust. Siegler MV. **J Neurophysiol** 1981 Aug;46(2):296–309

Mechanical and neural feedback factors in postural hand tremor of normal subjects. Stiles RN. **J Neurophysiol** 1980 Jul;44(1):40–59

A perspective of maternal position during labor. Roberts J, et al. **J Perinat Med** 1980;8(6):255–64

Does lying on the right side increase the rate of gastric emptying? Burn-Murdoch R, et al. **J Physiol (Lond)** 1980 May;302:395–8

Biomechanics of two fundamental sailing postures. Marchetti M, et al. **J Sports Med Phys Fitness** 1980 Sep;20(3):325–32

Rhabdomyolysis associated with urethral stricture repair: report of a case. Goldberg M, et al. **J Urol** 1980 Nov; 124(5):730–1

Biomechanics of postural stability in man. Hayes KC. **JAOA** 1980 Dec;80(4):295

Functional anatomy of human locomotion and posture--a symposium. Wells JP, et al. **JAOA** 1980 Dec;80(4):276

Maternal position during labor and birth: a reassessment. McKay SR. **JOGN Nurs** 1980 Sep–Oct;9(5):288–91

Postural response of intraocular pressure in vascular disease [editorial] **Lancet** 1981 Feb 7;1(8215):314

Testing for autonomic neuropathy [letter] Borst C, et al. **Lancet** 1981 Jan 10;1(8211):102

Responses of the posture-control system to pseudorandom acceleration disturbances. Ishida A, et al. **Med Biol Eng Comput** 1980 Jul;18(4):433–8

Posture training as a means of normalization. Sherrill C. **Ment Retard** 1980 Jun;18(3):135–8

Complications associated with surgery in the flank position for urological procedures. Kwik RS. **Middle East J Anaesthesiol** 1980 Jun;5(7):485–94

Positional supraventricular tachycardia [letter] Falk RH, et al. **N Engl J Med** 1981 May 28;304(22):1364

Down with the good lung [editorial] Fishman AP. **N Engl J Med** 1981 Feb 26;304(9):537–8

Postural (orthostatic) proteinuria: no causes for concern [editorial] Glassock RJ. **N Engl J Med** 1981 Sep 10; 305(11):639–41

Positional hypoxemia in unilateral lung disease. Remolina C, et al. **N Engl J Med** 1981 Feb 26;304(9):523–5

Prognosis in postural (orthostatic) proteinuria: forty to fifty-year follow-up of six patients after diagnosis by Thomas Addis. Rytand DA, et al. **N Engl J Med** 1981 Sep 10;305(11):618–21

The role of the tonic stretch reflex during standing in man. Hibino R. **Nagoya J Med Sci** 1980 Nov;43(1–2):15–24

Plasma catecholamine response to postural stimulation in normotensive and dialysis hypotension-prone uremic patients. Cannella G, et al. **Nephron** 1981;27(6):285–91

Catecholestrogens and induction of sexual behavior in the ovariectomized rat. Naish SJ, et al. **Neuroendocrinology** 1981 Apr;32(4):225–8

Posture after spinal injury to command axons for leg flexion. Tunturi AR. **Neurol Res** 1979;1(2):159–67

Dichotic ear asymmetry and writing posture. Beaumont JG, et al. **Neuropsychologia** 1981;19(3):469–72

A silent period in sural muscle occurring prior to the voluntary forward inclination of the body. Iwase Y, et al. **Neurosci Lett** 1981 Jan 20;21(2):183–8

Moving the patient in bed: effects on intracranial pressure. Mitchell PH, et al. **Nurs Res** 1981 Jul–Aug;30(4):212–8

Effect of postural change on plasma renin and aldosterone concentrations in third-trimester pregnancy. Oney T, et al. **Obstet Gynecol** 1981 Jul;58(1):31–4

Screening for SGA by the roll-over test. Verma UL, et al. **Obstet Gynecol** 1980 Nov;56(5):591–4

Finding a chair that fits. Stellman JM. **Occup Health Saf** 1981 Jan;50(1):43–5

Ocular causes of abnormal head postures. Kushner BJ. **Ophthalmology (Rochester)** 1979 Dec;86(12):2115–25

New dimensions of benign paroxysmal positional vertigo. Epley JM. **Otolaryngol Head Neck Surg** 1980 Sep–Oct; 88(5):599–605

Posturography. Stockwell CW. **Otolaryngol Head Neck Surg** 1981 Mar–Apr;89(2):333–5

Body posture and breathing frequency in newborn mammals. Mortola JP. **Pediatr Res** 1980 Dec;14(12):1403–7

Postural asymmetry and directionality of rotation in rats. Myslobodsky MS, et al. **Pharmacol Biochem Behav** 1980 Nov;13(5):743–5

The effect of posture on errors in gastric emptying measurements. Tothill P, et al. **Phys Med Biol** 1980 Nov; 25(6):1071–7

Sensory feedback for head control in cerebral palsy. Leiper CI, et al. **Phys Ther** 1981 Apr;61(4):512–8

Functional exercise position for treating persons with quadriplegia. Neumann DA. **Phys Ther** 1980 Oct; 60(10):1291–2

A technique for measuring pelvic tilt. Sanders G, et al. **Phys Ther** 1981 Jan;61(1):49–50

Facilitation of lordosis behavior in the ovariectomized estrogen primed rat by dibutyryl cAMP. Beyer C, et al. **Physiol Behav** 1981 Feb;26(2):249–51

Effects of acute central and peripheral ACTH1–24 administration on lordosis behavior. de Catanzaro D, et al. **Physiol Behav** 1981 Feb;26(2):207–13

Refractoriness of neurons subserving circling following stimulation of the median raphe region in the rat. Miliaressis E. **Physiol Behav** 1981 Apr;26(4):709–13

Trigeminal contribution to the head righting reflex. Troiani D, et al. **Physiol Behav** 1981 Jul;27(1):157–60

Orthostatic tolerance and exercise response before and after 7 days simulated weightlessness. Guell A, et al. **Physiologist** 1980 Dec;23(Suppl 6):S151–2

Postural control related to the different tilting body positions. Litvinenková V, et al. **Physiologist** 1980 Dec;23(Suppl 6):S153–4

A new rat model for studies of hypokinesia and antiorthostasis. Musacchia XJ, et al. **Physiologist** 1980 Dec; 23(Suppl 6):S91–2

Disorders affecting posture and gait. Lees F. **Practitioner** 1980 Jul;224(1345):722–33

Plasma volume changes related to posture and exercise. Hagan RD, et al. **Proc Soc Exp Biol Med** 1980 Oct; 165(1):155–60

Reflex control of posture and movement. Proceedings of an IBRO Symposium held in Pisa, Italy, on September 11–14, 1978. **Prog Brain Res** 1979;50:1–812

Coupled stretch reflexes in ankle muscles: an evaluation of the contributions of active muscle mechanisms to human posture stability. Allum JH, et al. **Prog Brain Res** 1979; 50:185–95

The role of vision in the control of posture during linear motion. Berthoz A, et al. **Prog Brain Res** 1979;50:197–209

Visual substitution of labyrinthine defects. Courjon JH, et al. **Prog Brain Res** 1979;50:783–92

Muscle fields and response properties of primate corticomotoneuronal cells. Fetz EE, et al. **Prog Brain Res** 1979;50:137–46

Symposium on reflex control of posture and movement. Opening lecture: Some comments on 'Tone'. Granit R. **Prog Brain Res** 1979;50:xvii–xix

Diagonal stance in quadrupeds: a postural support for movement. Massion J, et al. **Prog Brain Res** 1979;50:219–26

Organization and programming of motor activity during posture control. Nashner LM. **Prog Brain Res** 1979; 50:177–84

Reactions to overbalancing. Roberts TD, et al. **Prog Brain Res** 1979;50:397–404

Otoliths and uprightness. Roberts TD. **Prog Brain Res** 1979; 50:493–9

Hypertension associated with massive, bilateral, posture-dependent renal dysfunction. Clorius JH, et al. **Radiology** 1981 Jul;140(1):231–5

Control of postural changes of end expiratory volume (FRC) by airways slowly adapting mechanoreceptors. Davies A, et al. **Respir Physiol** 1980 Aug;41(2):211–6

Effect of body position and of respiratory frequency on distribution of pulmonary ventilation and perfusion in dogs. Derks CM. **Respiration** 1980;40(5):250–5

The effect of orthostatism, passive tilting and recumbent exercise on renin release. García del Rio C, et al. **Rev Esp Fisiol** 1980 Sep;36(3):237–41

Long-term outcome and clinical significance of orthostatic proteinuria. Buzio C, et al. **Ric Clin Lab** 1980 Jan–Mar; 10(1):157–62

Effects of posture on concentrations of blood constituents in healthy adults: practical application of blood specimen collection procedures recommended by the Scandinavian Committee on Reference Values. Felding P, et al. **Scand J Clin Lab Invest** 1980;40(7):615–21

Effects of posture on concentrations of serum proteins in healthy adults. Dependence on the molecular size of proteins. Hyltoft Petersen P, et al. **Scand J Clin Lab Invest** 1980;40(7):623–8

Orthostatic tests in 85 geriatric patients in in-patient long-term care. Steen B. **Scand J Soc Med [Suppl]** 1977; Suppl 14:146–50

Trunk strengths in attempted flexion, extension, and lateral bending in healthy subjects and patients with low-back disorders. McNeill T, et al. **Spine** 1980 Nov–Dec; 5(6):529–38

Influence of the hamstring muscles on lumbar spine curvature in sitting. Stokes IA, et al. **Spine** 1980 Nov–Dec;5(6):525–8

Upright patient positioning in the management of intracranial hypertension. Kenning JA, et al. **Surg Neurol** 1981 Feb; 15(2):148–52

Improved oxygenation in patients with extensive unilateral pneumonia using the lateral decubitus position. Dhainaut JF, et al. **Thorax** 1980 Oct;35(10):792–3

[The relationship between prolonged P-R interval with change of posture (with report of 31 cases) (author's transl)] Zhang YZ. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Mar; 9(1):29–30 **(Chi)**

[Lumbago in a new light. A hypothesis] Vestberg F. **Ugeskr Laeger** 1980 Aug;142(34):2178–81 (Eng. Abstr.) **(Dan)**

[Effect of posture on transcutaneous oxygen tension in the premature infant] Matilainen R, et al. **Duodecim** 1981; 97(1):17–23 (Eng. Abstr.) **(Fin)**

[Measurement of split thoracic impedance during ventilation in a lateral decubitus position] Dautzenberg B, et al. **Agressologie** 1980;21(C):169–73 (Eng. Abstr.) **(Fre)**

[Clinical examination of posture] Gagey PM. **Agressologie** 1980;21(E):125–41 (Eng. Abstr.) **(Fre)**

[Introduction to clinical posturology] Gagey PM, et al. **Agressologie** 1980;21(E):119–23 (Eng. Abstr.) **(Fre)**

[Postural blood pressure variations in primary acute polyradiculitis (author's transl)] Patte C, et al. **Ann Med Interne (Paris)** 1980;131(8):494–8 (Eng. Abstr.) **(Fre)**

[Visual ergonomic aspects of the use of visual screens] Hermans G. **Bull Soc Belge Ophtalmol** 1979 Feb 17; 184:67–75 **(Fre)**

[Postural variations in aldosterone secretion. Clinical and physiopathological studies in a normal subject and in a case of primary hyperaldosteronism] Herpin D, et al. **Coeur Med Interne** 1980 Apr–Jun;19(2):199–205 (Eng. Abstr.) **(Fre)**

[The glider. Postural kinetic behavior during the pre-locomotor period in infants] Auzias M, et al. **Psychiatr Enfant** 1980;23(2):461–506 (Eng. Abstr.) **(Fre)**

[A gentle and successful method for turning breech

presentations into cephalic presentations. 'Passive bridge' (author's transl)] Bayer R. **Geburtshilfe Frauenheilkd** 1980 Aug;40(8):692–6 (Eng. Abstr.) **(Ger)**

[The position of women during labor] Kuntner L. **Gynaekol Rundsch** 1980;20(3):162–70 **(Ger)**

[Feedback therapy for improving heel contact and toe off motion during ambulation (author's transl)] Fleiss O, et al. **Int J Rehabil Res** 1980;3(4):497–503 **(Ger)**

[Investigations concerning postural influences on blood and blood plasma [author's transl)] Hinghofer-Szalkay H. **Klin Wochenschr** 1980 Oct 15;58(20):1147–54 (Eng. Abstr.) **(Ger)**

['Cardiac insufficiency' in pregnant patients while reclining. Clinical aspects and physiopathology of the vena cava occlusion syndrome] Künzel W. **Med Welt** 1981 Jan 30; 32(5):147–55 **(Ger)**

[Postural and food disorders in school-age children] Koelschtzky W. **Oeff Gesundheitswes** 1981 Jun;43(6):272–5 **(Ger)**

[Interactions of general body-posture, oral and facial region. II. Polyelectromyographic investigations (author's transl)] Haberfellner H, et al. **Paediatr Padol** 1981;16(2):215–25 (Eng. Abstr.) **(Ger)**

[Interaction of general body posture, oral and facial region. I. Literature and clinical findings (author's transl)] Haberfellner H. **Paediatr Padol** 1981;16(2):203–14 (64 ref.) (Eng. Abstr.) **(Ger)**

[Orthostasis--psychophysiological aspects (author's transl)] Hartmann-Kottek L. **Psychother Psychosom Med Psychol** 1980 Sep;30(5):232–42 (Eng. Abstr.) **(Ger)**

[Orthostatis stress from standing at work] Dupuis H, et al. **Soz Praeventivmed** 1980 Dec;25(6):375–80 (Eng. Abstr.) **(Ger)**

[Cervicobrachial occupational diseases in office workers] Läubli T, et al. **Soz Praeventivmed** 1980 Dec;25(6):407–12 (Eng. Abstr.) **(Ger)**

[Working position and posture of dental nurses] Buth K, et al. **Stomatol DDR** 1981;31(1):61–3 **(Ger)**

[Position of patient-relevance to isotope nephrography in second half of pregnancy (author's transl)] Jiratko K, et al. **Zentralbl Gynaekol** 1980;102(18):1045–51 (Eng. Abstr.) **(Ger)**

[Changes of postural tonus produced by unilateral deafferentation of the musculature of the neck in pigeons] Brusatin AM, et al. **Boll Soc Ital Biol Sper** 1979 Oct 15; 55(19):1970–3 (Eng. Abstr.) **(Ita)**

[Effects of different postures on left ventricular function during various trimesters of pregnancy] Giasi M, et al. **Boll Soc Ital Cardiol** 1979;24(12):1385–9 **(Ita)**

[Effect of changes of posture, beta-blocking agents and the cold pressure test on the levels of plasma renin activity (PRA) in essential hypertension with low serum renin] Del Guercio R, et al. **Clin Ter** 1980 Sep 30;94(6):627–34 (Eng. Abstr.) **(Ita)**

[Further experience with a new method for risk evaluation in work postures (author's transl)] Colombini D, et al. **Med Lav** 1981 Mar-Apr;72(2):128–61 (Eng. Abstr.) **(Ita)**

[Attenuation of post-ischaemic reactive hyperemia during lifting of the lower limbs] Dorigo B, et al. **Minerva Med** 1981 Jan 28;72(3):141–6 (Eng. Abstr.) **(Ita)**

[Respiratory physiokinesitherapy in children. Indications and technics] Malaspina M, et al. **Minerva Pediatr** 1979 Jan 15;31(1):67–80 **(Ita)**

[Body plethysmography for measurements at different body positions (author's transl)] Yamauch T, et al. **Kokyu To Junkan** 1980 Dec;28(12):1373–7 **(Jpn)**

[Central mechanism of postural reflex. Part II. Role of neck afferents on control of posture and movement, and pathogenesis of traumatic cervical syndrome (author's transl)] Maeda M. **Neurol Med Chir (Tokyo)** 1980 Jun; 20(6):619–31 **(Jpn)**

[Analysis of postural disturbance in SMON: its comparison with stabilogram of normal subjects (author's transl)] Muroga T, et al. **Rinsho Shinkeigaku** 1980 Apr;20(4):233–40 (Eng. Abstr.) **(Jpn)**

[Effect of posture on the dynamics of left-ventricular contraction in healthy men with different degrees of physical fitness] Markiewicz K, et al. **Kardiol Pol** 1980; 23(8):683–90 (Eng. Abstr.) **(Pol)**

[Usefulness of determining the postural reaction for the early diagnosis of central motor activity disorders in children and for rehabilitation] Krauze M, et al. **Neurol Neurochir Pol** 1980;14(6):651–7 (13 ref.) **(Pol)**

[Role of contact with a support in the tumbling response of white rats during free fall] Aizikov GS. **Biull Eksp Biol Med** 1980 Dec;90(12):648–52 (Eng. Abstr.) **(Rus)**

[Development of positional asymmetry during pain, immobilization, and cold stress] Krivosheev OG, et al. **Dokl Akad Nauk SSSR** 1980;253(4):1015–8 **(Rus)**

[Pooling of blood during systemic orthostatic reactions] Konradi GP, et al. **Fiziol Zh SSSR** 1981 Jan;67(1):56–63 (Eng. Abstr.) **(Rus)**

[Importance of optimizing the working posture in controlling job fatigue in certain types of industry] Anan'ev BV, et al. **Gig Sanit** 1981 Apr;(4):83–4 **(Rus)**

[Physiological-hygienic evaluation of students' posture during work] Minnibaev TSh. **Gig Sanit** 1980 Nov; (11):30–2 (Eng. Abstr.) **(Rus)**

[Rheographic analysis of orthostatic arterial hypertension of the lower extremities in healthy persons] Gervaziev VB, et al. **Kardiologiia** 1980 Sep;20(9):99–101 **(Rus)**

[ECG study of diabetes mellitus patients at rest, in an orthostatic posture and under physical load] Glezer MG, et al. **Kardiologiia** 1980 Nov;20(11):73–5 (Eng. Abstr.) **(Rus)**

[Changes in blood pressure and cardiac contraction frequency in diabetes mellitus patients in an orthostatic posture and under physical load] Glezer MG. **Kardiologiia** 1980; 20(12):82–4 (Eng. Abstr.) **(Rus)**

[Multiposition method of lung auscultation] Iablokov DD. **Klin Med (Mosk)** 1981 Mar;59(3):111–2 **(Rus)**

[Effect of a combination of head-down posture and LBNP on human tracking performance and spatial orientation] Bokhov BB, et al. **Kosm Biol Aviakosm Med** 1980 Sep-Oct; 14(5):25–8 (Eng. Abstr.) **(Rus)**

[Effectiveness of alimentary factors in the recovery period following prolonged antiorthostatic hypokinesia] Bychkov VP, et al. **Kosm Biol Aviakosm Med** 1981 Jan-Feb; 15(1):51–3 (Eng. Abstr.) **(Rus)**

[Some physiological effects caused by 30 days of bed rest in different body positions] Katkovskiĭ BS, et al. **Kosm Biol Aviakosm Med** 1980 Jul-Aug;14(4):55–8 (Eng. Abstr.) **(Rus)**

[Effect of head-down tilt hypokinesia on human equilibrium function] Kotovskaia AR, et al. **Kosm Biol Aviakosm Med** 1981 Jun-Jul;15(4):26–9 (Eng. Abstr.) **(Rus)**

[Diurnal rhythm of human body temperature during antiorthostasis] Lkhagva L. **Kosm Biol Aviakosm Med** 1980 Jul-Aug;14(4):59–61 (Eng. Abstr.) **(Rus)**

[Regional anesthesia by conduction anesthesia and reflexotherapy technics in the acute readaptation period following antiorthostatic hypokinesia] Stazhadze LL, et al. **Kosm Biol Aviakosm Med** 1981 Jan-Feb;15(1):57–60 (Eng. Abstr.) **(Rus)**

[Effect of short-term erect and upside down posture on human tracking capacity] Taranenko IuN. **Kosm Biol Aviakosm Med** 1981 Jan-Feb;15(1):45–8 (Eng. Abstr.) **(Rus)**

[Effect of prolonged head-down hypokinesia on cardiac bioelectrical activity according to corrected orthogonal ECG leads] Turbasov VD. **Kosm Biol Aviakosm Med** 1980 Sep-Oct;14(5):54–9 (Eng. Abstr.) **(Rus)**

[Method for the clinostatic hypokinesia of monkeys] Urmancheeva TG, et al. **Kosm Biol Aviakosm Med** 1980 Sep-Oct;14(5):82–4 **(Rus)**

[Directional sensitivity of neurons of the cercal system of crickets in different body positions in a gravitational field] Rozhkova GI. **Neirofiziologiia** 1980;12(6):604–11 (Eng. Abstr.) **(Rus)**

[Device for evaluating the balance, posture and locomotion of small laboratory animals] Aizikov GS, et al. **Patol Fiziol Eksp Ter** 1980 Sep-Oct;(5):74–5 **(Rus)**

[Hemodynamic changes in orthostasis in children and adolescents with primary arterial hypertension] Dvoriakovskaia GM, et al. **Pediatriia** 1981 Mar;(3):53–6 (Eng. Abstr.) **(Rus)**

[Classification of postural nystagmus] Grigor'ev GM. **Vestn Otorinolaringol** 1981 Mar-Apr;(2):20–4 (Eng. Abstr.) **(Rus)**

[Characteristics of postural-autonomic regulation in aging] Belozerova LM. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Mar-Apr;(2):63–4 **(Rus)**

[Postural synergy disorders in local brain lesions] El'ner AM, et al. **Zh Nevropatol Psikhiatr** 1980;80(12):1798–1803 (Eng. Abstr.) **(Rus)**

[Postural support for local movements in cats and dogs] Gahery Y, et al. **Zh Vyssh Nerv Deiat** 1981;31(2):232–41 (Eng. Abstr.) **(Rus)**

[The effect of body position at work on the occurrence of the lumbar syndrome] Sestić M. **Arh Hig Rada Toksikol** 1981;31(4):313–22 (Eng. Abstr.) **(Scr)**

[Orthostatic and antiorthostatic changes of instantaneous vectors in healthy adolescents in Frank's system of leads (author's transl)] Bernadič M, et al. **Bratisl Lek Listy** 1980 Sep;74(3):290–303 (Eng. Abstr.) **(Slo)**

[Effect of static and psychic load on hemodynamics in juvenile hypertension (author's transl)] Popperová E, et al. **Bratisl Lek Listy** 1980 Aug;74(2):176–84 (Eng. Abstr.) **(Slo)**

[Influence of posture changes on oncotic pressure and RHE proteinaemia (author's transl)] Rodríguez M, et al. **Rev Esp Fisiol** 1981 Mar;37(1):71–4 (Eng. Abstr.) **(Spa)**

POTASSIUM

see related
HYPERKALEMIA
HYPOKALEMIA

Use of cold cardioplegic solution for vein graft distention and preservation: a light and scanning electron microscopic study. Kurusz M, et al. **Ann Thorac Surg** 1981 Jul; 32(1):68–74

Cold blood--potassium cardioplegia. Levinsky L, et al. **Ann Thorac Surg** 1980 Sep;30(3):297–9

The optimal potassium concentration in cardioplegic solutions. Rousou JH, et al. **Ann Thorac Surg** 1981 Jul; 32(1):75–9

Structure of valinomycin-K+ complex in solution by extended x-ray absorption fine structure. Huang HW, et al. **Biophys J** 1981 Feb;33(2):269–73

Electrochemical properties of Na+- and K+-selective glass microelectrodes. Lee CO. **Biophys J** 1979 Aug;27(2):209–20

Modification of ion transport in lipid bilayer membranes in the presence of 2,4-dichlorophenoxyacetic acid. I. Enhancement of cationic conductance and changes of the kinetics of nonactin-mediated transport of potassium. Smejtek P, et al. **Biophys J** 1979 Jun;26(3):441–66

Fertility and electrolyte composition of the rat cauda epididymal plasma and spermatozoa before and after castration. Pholpramool C, et al. **Contraception** 1980 Dec; 22(6):673–81

Contribution to the phosphate-induced nephropathy in the dog. Comparative light and electron microscopic investigations on the proximal tubule after oral application of K2HPO4, Na2HPO4, KCl and NaCl. Schneider P, et al. **Exp Pathol** 1981;19(1):53–65

The K+ liquid ion exchange electrode system: responses to drugs and neurotransmitters. Kuramoto T, et al. **J Neurosci Res** 1981;6(1):37–48

[Potassium hydrogen phosphate induced nephropathy in the dog. II. Glomerular alterations (author's transl)] Schneider P, et al. **Vet Pathol** 1980 Nov;17(6):720–37 **(Ger)**

[Potassium hydrogen phosphate induced nephropathy in the dog. I. Pathogenesis of tubular atrophy (author's transl)] Schneider P, et al. **Vet Pathol** 1980 Nov;17(6):699–719 **(Ger)**

[The use of hypothermal potassium cardioplegia in heart surgery] Tufano R, et al. **Minerva Anestesiol** 1979 Mar; 45(3):95–6 **(Ita)**

ADMINISTRATION & DOSAGE

Glucose-insulin-potassium induced alterations in individual plasma free fatty acids in patients with acute myocardial infarction. McDaniel HG, et al. **Am Heart J** 1981 July; 102(1):10–5

Effect of potassium infusion on the human conduction system. Gould L, et al. **Angiology** 1980 Oct;31(10):666–76

Substrate cardioplegia during hypothermic arrest in the alloxan diabetic dog. Clancy PE, et al. **Ann Thorac Surg** 1981 Jun;31(6):558–63

Regional myocardial protection during aortic cross-lamp ischemia in dogs: calcium-containing crystalloid solutions. Jacocks MA, et al. **Ann Thorac Surg** 1981 May;31(5):454–63

The metabolic consequences of blood and crystalloid cardioplegia. Engelman RM, et al. **Circulation** 1981 Aug; 64(2 Pt 2):67–74

Beneficial effects of adding propranolol to multidose potassium cardioplegia. Kanter KR, et al. **Circulation** 1981 Aug;64(2 Pt 2):84–90

Effect of moderate salt restriction and high potassium intake on pressor hormones, response to noradrenaline and baroreceptor function in man. Skrabal F, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:157s–160s

Diabetes and myocardial infarction [letter] Matz R. **Diabetes Care** 1980 Nov-Dec;3(6):707–8

Comparison of sodium and potassium intake with excretion. Schachter J, et al. **Hypertension** 1980 Sep-Oct;2(5):695–9

Diuretics and the institutional elderly: a case against routine potassium prescribing. Henschke PJ, et al. **J Am Geriatr Soc** 1981 Apr;29(4):145–50

Potassium supplementation: comparative studies in nonedematous and edematous patients. Merimee TJ. **J Fla Med Assoc** 1981 Jan;68(1):37–9

Comparison of low and high sodium and potassium content in oral rehydration solutions. Nalin DR, et al. **J Pediatr** 1980 Nov;97(5):848–53

Relationship between atrioventricular arrhythmias and the concentration of K+ ion in cardioplegic solution. Ellis RJ, et al. **J Thorac Cardiovasc Surg** 1980 Oct:80(4):517–26

Potassium supplements for oral diarrhoea regimens [letter] Clements ML, et al. **Lancet** 1980 Oct 18;2(8199):854

Blood pressure and hormonal changes following alteration in dietary sodium and potassium in mild essential hypertension. Parfrey PS, et al. **Lancet** 1981 Jan 10; 1(8211):59–63

Blood pressure and hormonal changes following alteration in dietary sodium and potassium in young men with and without a familial predisposition to hypertension. Parfrey PS, et al. **Lancet** 1981 Jan 17;1(8212):113–7

Graded dose effects of angiotensin II on aldosterone production in man during various levels of potassium intake. Linde R, et al. **Metabolism** 1981 Jun;30(6):549–53

[Glucose--insulin--potassium (GIK) in acute myocardial infarction] Giroux R, et al. **Union Med Can** 1980 Jun; 109(6):875–8 (Eng. Abstr.) **(Fre)**

[Hypothermia and potassium: significance in myocardial protection (author's transl)] Hamada Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1980 Aug;28(8):1236–43 (Eng. Abstr.) **(Jpn)**

[Potassium-induced multidose cold blood cardioplegia: a clinical study (author's transl)] Taira A, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1980 Jun;28(6):946–51 (Eng. Abstr.) **(Jpn)**

[Treatment of recent myocardial infarct with infusions of potassium, glucose and insulin (PGI). II. Effect of PGI treatment on the indicators of myocardial necrosis and ischemia] Dłużniewski M, et al. **Kardiol Pol** 1981; 24(6):429–37 (Eng. Abstr.) **(Pol)**

[Treatment of recent myocardial infarct with infusions of potassium, glucose and insulin (PGI). I. Effect of PGI treatment on various elements of humoral homeostasis: free

fatty acid, lactate, pyruvate and immunoreactive insulin concentrations] Dłużniewski M, et al. **Kardiol Pol** 1981; 24(6):421–8 (Eng. Abstr.) **(Pol)**

[Effect of KIG polarizing mixture (potassium, insulin and glucose) on the adrenergic activity in early stage of myocardial infarct] Hanzlik J, et al. **Kardiol Pol** 1980; 23(10):855–61 (Eng. Abstr.) **(Pol)**

ANALYSIS

Cerebral water and electrolytes in experimental ischaemia following omental transposition to the brain. Pau A, et al. **Acta Neurochir (Wien)** 1980;54(3–4):213–8

Relative contents of sodium, potassium, and dry matter in diabetic cataractous lenses. Klauber A. **Acta Ophthalmol (Copenh)** 1981 Feb;59(1):45–9

Sodium, potassium and aldosterone content of human milk during the first postnatal week. Sulyok E, et al. **Acta Paediatr Acad Sci Hung** 1980;21(2–3):159–64

Steady-state effects of extracellular potassium concentration on vascular smooth muscle reactivity. Skaug N, et al. **Am J Physiol** 1981 Aug;241(2):H217–23

Ion-selective electrode for intracellular potassium measurements. Haemmerli A, et al. **Anal Chem** 1980 Jul; 52(8):1179–82

Electrolyte concentration in semen. Girgis SM, et al. **Andrologia** 1980 Jul–Aug;12(4):323–7

A comparative study of body composition of urban and rural Japanese boys 12 to 14 years old. Anzai I, et al. **Ann Hum Biol** 1981 Mar–Apr;8(2):109–17

Endocochlear potential and potassium concentration in endolymph and perilymph of the chinchilla. Morizono T, et al. **Arch Otorhinolaryngol** 1980;229(2):149–53

Reference phase analysis of free and bound intracellular solutes. II. Isothermal and isotopic studies of cytoplasmic sodium, potassium, and water. Horowitz SB, et al. **Biophys J** 1979 Jan;25(1):45–62

Reference phase analysis of free and bound intracellular solutes. I. Sodium and potassium in amphibian oocytes. Horowitz SB, et al. **Biophys J** 1979 Jan;25(1):33–44

Heterogenous distribution of potassium and phosphorus in Acanthamoeba castellanii. Sobota A, et al. **Cell Biol Int Rep** 1981 Mar;5(3):221–7

Concentrations of magnesium, calcium, potassium, and sodium in human heart muscle after acute myocardial infarction. Speich M, et al. **Clin Chem** 1980 Nov; 26(12):1662–5

Intracellular and exchangeable potassium in cirrhosis. Evidence against the occurrence of potassium depletion in cirrhosis with ascites. Mas A, et al. **Dig Dis Sci** 1981 Aug;26(8):723–7

Intrarenal distribution of oxalic acid, calcium, sodium, and potassium in man. Hautmann R, et al. **Eur J Clin Invest** 1980 Apr;10(2 Pt 1):173–6

Determination of potassium/sodium ratio in heart tissue. Evaluation of its use as an index of myocardial ischaemic damage. Comparison with the nitro-BT test. Pedersen PK. **Forensic Sci Int** 1980 Nov–Dec;16(3):271–80

Changes in cation contents of stria vascularis with ouabain and potassium-free perfusion. Marcus DC, et al. **Hear Res** 1981 May;4(2):149–60

Gastrointestinal osmolality electrolyte and organic acid composition in five species of East African herbivorous mammals. Maloiy GM, et al. **J Anim Sci** 1980 Oct; 51(4):917–24

The Na+ and K+ content of isolated Torpedo synaptosomes and its effect on choline uptake. Richardson PJ, et al. **J Neurochem** 1981 Apr;36(4):1536–42

Light-evoked changes in [K+]0 in retina of intact cat eye. Steinberg RH, et al. **J Neurophysiol** 1980 Nov; 44(5):897–921

Electrocortical activity in SAH [letter] Portnoy HD. **J Neurosurg** 1980 Aug;53(2):272–3

Flow rate, sodium and potassium concentration in mixed saliva of complete denture-wearers. Gabay EL. **J Oral Rehabil** 1980 Nov;7(6):435–43

Stool electrolyte content and purging rates in diarrhea caused by rotavirus, enterotoxigenic E. coli, and V. cholerae in children. Molla AM, et al. **J Pediatr** 1981 May;98(5):835–8

The Na-K-ATPase in relation to the Na, K and taurine levels in the senile cataract. Auricchio G, et al. **Metab Pediatr Ophthalmol** 1980;4(1):15–7

The post-mortem myocardial potassium sodium ratio in detection of infarction. Schultz TC, et al. **Pathology** 1981 Apr;13(2):313–16

[Application of thermometric methods in pharmacoanalysis. III. Determination of potassium and magnesium content of Panangin tablets and injection solutions by titrated enthalpy and direct injection enthalpy] Trischler F, et al. **Acta Pharm Hung** 1981 May;51(3):115–20 (Eng. Abstr.) **(Hun)**

[Determination of the K+/Na+ ratio in experimental drowning in sea water] Gagliano Candela R, et al. **Boll Soc Ital Biol Sper** 1979 Mar 15;55(5):478–83 (Eng. Abstr.) **(Ita)**

[Short-term effects of a treatment with methoprolol (a selective beta 1-blocking agent) in essential hypertension. Changes of haemodynamics, renin, aldosterone, sodium and potassium balance (author's transl)] Novarini A, et al. **G Ital Cardiol** 1979;9(11):1259–67 (Eng. Abstr.) **(Ita)**

[Potassium in red blood cell and myocardium in open heart surgery—in relation to postoperative arrhythmias (author's transl)] Otani S. **Nippon Kyobu Geka Gakkai Zasshi** 1980 Jun;28(6):990–1001 (Eng. Abstr.) **(Jpn)**

[Importance of changes in the electrolyte content and lactate dehydrogenase isoenzyme spectrum in the cervical mucus of women suffering from colpitis and uterine myoma] Mikhailov VV, et al. **Akush Ginekol (Mosk)** 1981 Apr; (4):24–6 **(Rus)**

[Concentration of water, sodium, and potassium in the tissues of rats with circulatory insufficiency caused by constriction of the thoracic portion of the inferior vena cava] Bagrov IaIu, et al. **Biull Eksp Biol Med** 1981 Mar;91(3):274–7 (Eng. Abstr.) **(Rus)**

[Changes in certain of the body's biochemical indices during decompressive gas formation of different intensities] Sapov IA, et al. **Fiziol Zh SSSR** 1980 Nov;66(11):1700–7 (Eng. Abstr.) **(Rus)**

[Changes in the extracellular potassium concentration and the slow negative potential in the cerebral cortex] Roitbak AI, et al. **Neirofiziologiia** 1980;12(5):459–63 (Eng. Abstr.) **(Rus)**

[Changes in serum, erythrocytic and exchangeable potassium during the administration of hydrochlorothiazide alone and in combination with amiloride in hypertensive patients (author's transl)] Tamayo JA, et al. **Rev Invest Clin** 1980 Oct–Dec;32(4):459–69 (Eng. Abstr.) **(Spa)**

ANTAGONISTS & INHIBITORS

Substance P-induced depolarization in sympathetic neurons: not simple K-inactivation. Minota S, et al. **Brain Res** 1981 Jul 6;216(1):224–8

Relaxation by glucagon of potassium contracture in cat ventricle. Gaide MS, et al. **Experientia** 1981 Mar 15; 37(3):281–2

The inhibitory effect of lithium of high-K induced contraction in guinea-pig taenia coli. Kishimoto T, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980;315(1):69–76

BLOOD

Investigation of the correlation between total blood potassium concentration and hematocrit. Buzzigoli G, et al. **Acta Haematol (Basel)** 1980;64(6):315–8

Stabilizing effects of coenzyme Q10 on potassium ion release, membrane potential and fluidity of rabbit red blood cells. Shinozawa S, et al. **Acta Med Okayama** 1980 Sep; 34(4):255–61

Erythrocyte and total body potassium in untreated primary hypertension. Ericsson F, et al. **Acta Med Scand** 1981; 209(6):439–44

In-hospital ventricular fibrillation and its relation to serum potassium. Hulting J. **Acta Med Scand [Suppl]** 1981; 647:109–16

Malignant arrhythmias in relation to serum potassium values in patients with an acute myocardial infarction. Nordrehaug JE. **Acta Med Scand [Suppl]** 1981;647:101–7

The effect of diuretics on lymphocyte magnesium and potassium. Ryan MP, et al. **Acta Med Scand [Suppl]** 1981; 647:153–61

Characteristics of active sodium and potassium transport in erythrocytes in children with different stages of symptomatic uremia. Sigström L. **Acta Paediatr Scand** 1981; 70(3):361–8

Characteristics of active sodium and potassium transport in erythrocytes of healthy infants and children. Sigström L, et al. **Acta Paediatr Scand** 1981;70(3):347–52

The role of active sodium and potassium transport in hyponatremic states in infancy and childhood. Sigström L. **Acta Paediatr Scand** 1981;70(3):353–9

Potassium depletion in aged patients: an evaluation through red-blood-cell potassium determination. Sangiorgi GB, et al. **Age Ageing** 1979 Aug;8(3):190–5

The measurement of calcium and potassium in clinical laboratories in the United States, 1971—1978. Gilbert RK, et al. **Am J Clin Pathol** 1980 Oct;74(4 Suppl):508–20

Computer-based diagnostic reporting for serum electrolytes. Swezey CB, et al. **Am J Clin Pathol** 1980 Dec;74(6):812–9

pH dependency of potassium efflux from sickled red cells. Roth EF Jr, et al. **Am J Hematol** 1981;11(1):19–27

Chemistry problem. Simpson DS. **Am J Med Technol** 1980 Sep;46(9):662–4

Potassium ion as a regulator of adrenal angiotensin II receptors. Douglas JG. **Am J Physiol** 1980 Nov; 239(5):E317–21

Sympathetic system in potassium homeostasis. Silva P, et al. **Am J Physiol** 1981 Aug;241(2):F151–5

Circannual renal function and plasma electrolytes of the marmot. Zatzman ML, et al. **Am J Physiol** 1981 Jul; 241(1):R87–91

Changes in plasma potassium and sodium following fazadinium bromide [letter] Famewo CE, et al. **Anaesthesia** 1981 Feb;36(2):226–7

Clinical evaluation of an automatic potassium electrode. Use of the Nova 1 ion-selective electrode in a cardiac surgical intensive care unit. Treasure T, et al. **Anaesthesia** 1981 Jul; 36(7):699–701

Exercise induced changes of catecholamines and potassium in plasma of dogs after treatment with propranolol. Staib AH, et al. **Arzneimittelforsch** 1980;30(9):1514–7

The influence of reduced serum potassium level on the toxicity of some cardenolides in guinea pigs. Fricke U, et al. **Basic Res Cardiol** 1981 Jan–Feb;76(1):62–78

Hormone-induced diuretic-sensitive potassium transport in turkey erythrocytes is anion dependent. Bakker-Grunwald T. **Biochim Biophys Acta** 1981 Mar 6;641(2):427–31

Cation movements across mouse red blood cells. Benos DJ, et al. **Biochim Biophys Acta** 1980 Sep 2;601(1):167–79

Simultaneous net accumulation of both K+ and Na+ by lymphocytes at 0 degrees C. Negendank W, et al. **Biochim Biophys Acta** 1981 Jan 8;640(1):368–73

Kinetics of lithium efflux through the (Na,K)-pump of human erythrocytes. Rodland KD, et al. **Biochim Biophys Acta** 1980 Nov 4;602(2):376–88

The effect of pH on the K+ movements across the human platelet membrane during in vitro incubation in plasma at 37 degrees C. Weis-Fogh US. **Biochim Biophys Acta** 1981 Jan 22;640(2):377–84

A case of juvenile essential hypertension: implications of erythrocyte net Na+, K+ flux measurement. Elghozi JL, et al. **Biomedicine** 1981 Mar;35(1):4–6

Serum alpha-tocopherol, lipids, potassium and creatine phosphokinase in normal and patients with malabsorption. Ruggiero M, et al. **Boll Soc Ital Biol Sper** 1981 Jan 15; 57(1):100–4

The erythrocyte sodium and potassium in patients treated with digoxin. Morgan DB, et al. **Br J Clin Pharmacol** 1980 Aug;10(2):127–33

Sodium, potassium, and rate constants for sodium efflux in leucocytes from hypertensive Jamaicans. Forrester TE, et al. **Br Med J [Clin Res]** 1981 Jul 4;283(6283):5–7

Inheritance of abnormal erythrocyte cation transport in essential hypertension. Meyer P, et al. **Br Med J [Clin Res]** 1981 Apr 4;282(6270):1114–7

Familial abnormality of erythrocyte cation transport in essential hypertension. Woods KL, et al. **Br Med J [Clin Res]** 1981 Apr 11;282(6271):1186–8

A Na+,K+ co-transport assay for essential hypertension. Dagher G, et al. **Can J Biochem** 1980 Oct;58(10):1069–74

The effect of imidoesters, fluorodinitrobenzene and trinitrobenzenesulfonate on ion transport in human erythrocytes. Shaw A, et al. **Chem Phys Lipids** 1980 Dec; 27(4):329–35

Blood potassium measurements during CPR [letter] Powner DJ, et al. **Chest** 1981 Mar;79(3):371

More on direct potentiometry—the ion-selective electrode vs flame photometry [letter] Czaban JD, et al. **Clin Chem** 1980 Dec;26(13):1921–4

Use of electrochemical sensors for on-line monitoring of ionized calcium, potassium, and glucose in whole blood of living dogs. Fogt EJ, et al. **Clin Chem** 1980 Sep; 26(10):1425–9

More on sample protein concentrations and measurements of potassium and sodium in serum [letter] Kofoed SA. **Clin Chem** 1981 Feb;27(2):343

Effect of sample protein concentration on results of analyses for sodium and potassium in serum [letter] Shyr C, et al. **Clin Chem** 1980 Sep;26(10):1517

Serum potassium in mother and fetus during normal delivery and cesarean section. Zakut H, et al. **Clin Exp Obstet Gynecol** 1980;7(1):9–12

Elevation of serum potassium during beta blockade: absence of relationship to the renin-aldosterone system. Traub YM, et al. **Clin Pharmacol Ther** 1980 Dec;28(6):765–68

The disposition of intravenous potassium in normal man: the role of insulin. Sterns RH, et al. **Clin Sci** 1981 Jul;61(1):23–8

An inherited sodium ion-potassium ion cotransport defect in essential hypertension. Garay RP, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:191s–193s

Influence of glucagon on plasma levels of potassium in man. Massara F, et al. **Diabetologia** 1980 Nov;19(5):414–7

Effects of hexose infusion with insulin and of additional epinephrtine injection on the levels of serum potassium and blood glucose in dogs. Nakashima T, et al. **Eur J Pharmacol** 1980 Oct 31;67(4):383–91

Acute responses of the freshwater eel (Anguilla anguilla) to extracts of the corpuscles of Stannius opposing the effects of stanniosomatiectomy. Kenyon CJ, et al. **Gen Comp Endocrinol** 1980 Aug;41(4):531–8

Can simple clinical measurements detect patient noncompliance? Haynes RB, et al. **Hypertension** 1980 Nov-Dec;2(6):757–64

A comparative study of serum electrolytes with special reference to magnesium in cases of congestive heart failure-pre and post treatment. Gupta RP, et al. **Indian Heart J** 1980 May-Jun;32(3):169–72

Serum potassium and sodium levels in coronary sinus blood in digitalis induced arrhythmias and its treatment with magnesium sulphate in dogs. Chandra R, et al. **J Assoc Physicians India** 1980 Jul;28(7):159–64

Effects of catecholamines and prostaglandin E1 on cyclic AMP, cation fluxes, and protein phosphorylation in the frog erythrocyte. Rudolph SA, et al. **J Biol Chem** 1980 Sep 25;255(18):8534–40

Intracellular analysis of sodium, potassium, and chloride in mouse erythrocytes. Benos DJ. **J Cell Physiol** 1980 Oct; 105(1):185–7

Cation transport in different volume populations of genetically low K+ lamb red cells. Lauf PK, et al. **J Cell Physiol** 1980 Sep;104(3):283–93

Multiple fractions of sodium exchange in human lymphocytes. Negendank W, et al. **J Cell Physiol** 1980 Sep; 104(3):443–59

Angiotensin II is more potent than potassium in regulating aldosterone in cardiac failure: evidence during captopril therapy. Nicholls MG, et al. **J Clin Endocrinol Metab** 1981 Jun;52(6):1253–6

Beta-adrenergic receptors and isoproterenol-stimulated potassium transport in erythrocytes from normal and hypothyroid turkeys. Quantitative relation between receptor occupancy and physiologic responsiveness. Furukawa H, et al. **J Clin Invest** 1980 Nov;66(5):1057–64

Plasma electrolytes in dangerous infectious diseases [letter] Rutter DA, et al. **J Clin Pathol** 1981 Jul;34(7):812–3

Blood plasma magnesium, potassium, glucose, and immunoreactive insulin changes in cows moved abruptly from barn feeding to early spring pasture. Miller JK, et al. **J Dairy Sci** 1980 Jul;63(7):1073–9

Protein phosphorylation and the regulation of cation cotransport. Palfrey HC, et al. **J Exp Biol** 1980 Dec; 89:103–15

Role of external potassium in the calcium-induced potassium efflux from human red blood cell ghosts. Heinz A, et al. **J Membr Biol** 1980 Dec 15;57(2):119–31

Effects of quinine on Ca++-induced K+ efflux from human red blood cells. Reichstein E, et al. **J Membr Biol** 1981 Mar 15;59(1):57–63

Plasma sodium, potassium and aldosterone levels in newborn calves. Safwate A, et al. **J Physiol (Paris)** 1980;76(8):906–7

Haemodynamic, hormonal, and electrolyte responses to captopril in resistant heart failure. Maslowski AH, et al. **Lancet** 1981 Jan 10;1(8211):71–4

Hypertension, salt, and potassium [letter] Ueshima H, et al. **Lancet** 1981 Feb 28;1(8218):504

Membrane cholesterol depletion and K+ transport in high and low potassium sheep red cells. Grey JE, et al. **Membr Biochem** 1980;3(1–2):21–35

Properties of the M antigen solubilized from genetically high potassium sheep red cells. Wiedmer T, et al. **Membr Biochem** 1981;4(1):31–47

The effect of tienilic acid on Na+ and K+ transport in human red cells. Cusi D, et al. **Mol Pharmacol** 1981 May; 19(3):438–43

Red-cell sodium-potassium pump in obesity. Kaji D. **N Engl J Med** 1981 Feb 26;304(9):539–41

Hypertension, obesity, and sodium-potassium transport [letter] Van Winkle LJ. **N Engl J Med** 1981 Feb 5; 304(6):358–9

Circulating angiotensin II and adrenal receptors after nephrectomy. Aguilera G, et al. **Nature** 1981 Feb 5; 289(5797):507–9

The investigation of the relationship between whole blood potassium concentration and hematocrit in uremic patients undergoing hemodialysis. Buzzigoli G, et al. **Nephron** 1981; 27(6):320–2

Effect of potassium removal during hemodialysis on the plasma potassium concentration. Feig PU, et al. **Nephron** 1981;27(1):25–30

Serum potassium concentration in acidemic states. Perez GO, et al. **Nephron** 1981;27(4–5):233–43 (99 ref.)

Renin levels in normokalemic hyperaldosteronism [letter] Walson PD. **Pediatrics** 1981 Feb;67(2):309–10

Ouabain-sensitive sodium and potassium fluxes in red blood cells of patients with endogenous depressive syndromes. Potok E, et al. **Pol J Pharmacol Pharm** 1981 Jan–Feb; 33(1):53–8

Abnormal net Na+ and K+ fluxes in erythrocytes of three varieties of genetically hypertensive rats. De Mendonca M, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4283–6

Selective enhancement of potassium efflux from red blood cells by lead. A comparison with the effects of calcium. Passow H. **Prog Clin Biol Res** 1981;51:79–104 (55 ref.)

Erythrocytic Na+ and K+ changes during Babesia bigemina infection in cattle. Timms P, et al. **Res Vet Sci** 1980 Nov; 29(3):367–9

Effect of some Egyptian and African snake venoms on blood levels of sodium and potassium. Mohamed AH, et al. **Toxicon** 1980;18(4):479–80

Autoregulation of sodium and potassium removal during continuous ambulatory peritoneal dialysis. Nolph KD, et al. **Trans Am Soc Artif Intern Organs** 1980;26:334–8

Endocrine function of the heterotopic pancreatic allotransplant in dogs. II. Immediate post-transplant period. Bewick M, et al. **Transplantation** 1981 Jan;31(1):19–22

[Electrolyte changes in late pregnancy toxicosis] Koleva Zh, et al. **Akush Ginekol (Sofiia)** 1980;19(4):285–90 (Eng. Abstr.) **(Bul)**

[Kaliopenic normokalemic tetraplegia (letter)] Zazzo JF, et al. **Nouv Presse Med** 1981 Jun 27;10(28):2374 **(Fre)**

[The regulation of plasma aldosterone in hemodialysis patients] Louis F, et al. **Schweiz Med Wochenschr** 1980 Dec 6;110(49):1882–4 (Eng. Abstr.) **(Fre)**

[Serum potassium rise following depolarizing muscle relaxants in immobilized patients (author's transl)] Sarubin J, et al. **Anaesthesist** 1981 May;30(5):246–50 (Eng. Abstr.) **(Ger)**

[The effect of pentoxifylline on the Ca2+-induced potassium efflux and on the ATPase-activity of erythrocytes (author's transl)] Porsche E, et al. **Arzneimittelforsch** 1981; 31(5):825–8 (Eng. Abstr.) **(Ger)**

[The influence of various contrast media on the ion-equilibrium of sodium, potassium and calcium between blood plasma and erythrocytes (author's transl)] Jäger B, et al. **Radiol Diagn (Berl)** 1980 Feb;21(1):86–101 (Eng. Abstr.) **(Ger)**

[Changes in the water and electrolyte contents of human erythrocytes due to Visotrast 370 during I–V urography (author's transl)] Beck J, et al. **ROEFO** 1981 May; 134(5):574–7 (Eng. Abstr.) **(Ger)**

[Behavior of intracellular electrolytes in the diabetic metabolic state] Gross V, et al. **Z Gesamte Inn Med** 1981 Mar;36(5):261–3 (Eng. Abstr.) **(Ger)**

[Simultaneous determination of Na, K and Ca with Flapho 4] Reissner J, et al. **Z Med Lab Diagn** 1980;21(3):166–72 (Eng. Abstr.) **(Ger)**

[Conversion of the Flapho 4 for the use in the clinical chemistry laboratory] Schwimmer J, et al. **Z Med Lab Diagn** 1980;21(3):173–9 (Eng. Abstr.) **(Ger)**

[Na/K transport in red blood cells from severely burned patients (author's transl)] Borghetti A, et al. **Ateneo Parmense [Acta Biomed]** 1980;51(1):5–10 (Eng. Abstr.) **(Ita)**

[Na/K transport in red blood cells from normal subjects: methodological problems (author's transl)] Borghi L, et al. **Ateneo Parmense [Acta Biomed]** 1980;51(1):23–31 (Eng. Abstr.) **(Ita)**

[Behavior of sodium, chlorine and potassium serum electrolytes with the use of althesin alone and in combination with succinylcholine] Amato G, et al. **Minerva Anestesiol** 1980 Feb;46(2):351–6 (Eng. Abstr.) **(Ita)**

[Influences of high-dose potassium cardioplegic solution on serum potassium, peripheral hemodynamics and postoperative arrhythmia (author's transl)] Araki T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1980 Sep;28(9):1358–64 (Eng. Abstr.) **(Jpn)**

[Hyperventilation syndrome and potassium metabolism] Ando K. **Nippon Rinsho** 1981 Feb;39(2):386–92 **(Jpn)**

[Hyporeninemic hypoaldosteronism--Conn's syndromes] Fukuchi S. **Nippon Rinsho** 1981 Feb;39(2):374–7 **(Jpn)**

[Vectorcardiography in hyperkalemia--studies in chronic kidney failure] Fukuzawa T, et al. **Nippon Rinsho** 1980 Nov; 38(11):4473–5 **(Jpn)**

[Diabetes mellitus and potassium metabolism] Kikuchi M. **Nippon Rinsho** 1981 Feb;39(2):357–64 (40 ref.) **(Jpn)**

[Essential hypertension, renovascular hypertension and potassium metabolism] Ueno Y, et al. **Nippon Rinsho** 1981 Feb;39(2):365–9 (27 ref.) **(Jpn)**

[Studies on the measurement of sodium and potassium in red blood cells. (V) (author's transl)] Kaya H, et al. **Rinsho Byori** 1980 Jul;28(7):679–84 **(Jpn)**

[Studies on the measurement of sodium and potassium in red blood cells. (VI) (author's transl)] Kaya H, et al. **Rinsho Byori** 1980 Jul;28(7):685–8 **(Jpn)**

[Studies on the measurement of sodium and potassium in red blood cells. (VII) (author's transl)] Kaya H, et al. **Rinsho Byori** 1980 Sep;28(9):896–8 **(Jpn)**

[Determination of blood cell electrolyte concentration using whole blood hemolysate (author's transl)] Ogo M, et al. **Rinsho Byori** 1980 Sep;28(9):911–4 **(Jpn)**

[Water-electrolyte metabolism in plasma and erythrocytes in the oto-intestinal syndrome in infants (author's transl)] Zając J, et al. **Otolaryngol Pol** 1980;34(2–3):197–201 (Eng. Abstr.) **(Pol)**

[Relationship between blood serum magnesium and potassium levels in patients with right-ventricular circulatory insufficiency treated with lanatoside C, and the role of magnesium in the prevention of digitalis-induced arrhythmias] Smołuch R. **Pol Tyg Lek** 1980 Nov 10; 35(45):1737–9 (Eng. Abstr.) **(Pol)**

[Comparative study of induction with propanidid plus succinylcholine and thiopental plus succinylcholine] Szegedi L, et al. **Rev Chir [Chir]** 1980 Nov–Dec; 29(6):469–72 (Eng. Abstr.) **(Rum)**

[Ionic composition and potassium ion permeability of the erythrocyte membranes of patients with the inflammatory-dystrophic form of parodontosis] Peshkova LV, et al. **Biull Eksp Biol Med** 1981 Mar;91(3):298–300 (Eng. Abstr.) **(Rus)**

[Effect of insulin and hydrocortisone on the concentration of sodium and potassium ions in nucleated and non-nucleated erythrocytes of chickens and rats] Martynenko OA. **Fiziol Zh** 1981 Jan–Feb;27(1):37–40 (Eng. Abstr.) **(Rus)**

[Analysis of the potassium outflow from the erythrocytes during physical stress and in a model of lactate acidosis] Vereshchagina VM, et al. **Patol Fiziol Eksp Ter** 1980 Sep–Oct;(5):42–5 (Eng. Abstr.) **(Rus)**

[Potassium release from erythrocytes of different age rats in 9 simulated lactic acidosis] Vereshchagina VM, et al. **Ukr Biokhim Zh** 1980 Sep–Oct;52(5):556–60 (Eng. Abstr.) **(Rus)**

[Effect of iodobromine baths on the stability of blood electrolyte balance indices in experimental atherosclerosis] Romanov IP, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Jan–Feb; (1):39–43 (Eng. Abstr.) **(Rus)**

[Changes in the ECG and potassium and sodium balance in chronic cardiopulmonary insufficiency in tuberculosis patients] Goncharov VG, et al. **Vrach Delo** 1981 Feb; (2):64–8 (Eng. Abstr.) **(Rus)**

[Changes in the values of K+ in preanesthetic pentothal and succinylcholine] Trevilla Guerrero JM, et al. **Rev Esp Anestesiol Reanim** 1981 May;28(3):128–30 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

Anoxic cerebral potassium accumulation reduced by phenytoin: mechanism of cerebral protection? Artru AA, et al. **Anesth Analg (Cleve)** 1981 Jan;60(1):41–5

DIAGNOSTIC USE

Intraoperative assessment of the reconstructed mitral valve using a low pressure crystalloid infusion. Hetzer R, et al. **Thorac Cardiovasc Surg** 1981 Apr;29(2):100–4

[Oral potassium loading test (potassium extinction test) in changes in ventricular repolarization of uncertain significance] Pelizza L. **Boll Soc Ital Cardiol** 1980; 25(2):197–203 (Eng. Abstr.) **(Ita)**

METABOLISM

Bound potassium in muscle II. Hummel Z. **Acta Biochim Biophys Acad Sci Hung** 1980;15(2):89–94

Effect of antibiotics influencing membrane function on the potassium transport of E. coli cells. Szögyi M, et al. **Acta Biochim Biophys Acad Sci Hung** 1980;15(1):57–63

Disturbed fluxes of Rb+(K+) and Cl- in islets of spontaneously diabetic mice (C57BL/KsJ-db/db). Berglund O. **Acta Biol Med Ger** 1981;40(1):23–30

Effect of magnesium-dependent cell membrane alterations on the transport of K+ in Ehrlich ascites tumour cells. Schilling K, et al. **Acta Biol Med Ger** 1980;39(2–3):177–84

Relation between potassium, magnesium and cardiac arrhythmias. Dyckner T, et al. **Acta Med Scand [Suppl]** 1981;647:163–9

Potassium maintenance. Potassium supplements or potassium sparing agents. Morgan T, et al. **Acta Med Scand [Suppl]** 1981;647:117–23

Magnesium and potassium interrelationships, experimental and clinical. Whang R, et al. **Acta Med Scand [Suppl]** 1981; 647:139–44

Changes of electrical activity and surface potassium concentration of the brain during ischaemia and reperfusion. Lantos J, et al. **Acta Physiol Acad Sci Hung** 1980;56(2):203–12

Relationship between local changes in cortical blood flow and extracellular K+ during spreading depression. Hansen AJ, et al. **Acta Physiol Scand** 1980 May;109(1):1–6

The influence of circulating adrenaline on extracellular fluid potassium concentration in the brain. Pelligrino D, et al. **Acta Physiol Scand** 1980 Sep;110(1):111–2

Reconstitution of the Na+, K+-transport system in artificial membranes. Anner BM. **Acta Physiol Scand [Suppl]** 1980; (481):15–9

Extracellular calcium and potassium changes in mammalian neocortex. Pumain R, et al. **Adv Biochem Psychopharmacol** 1981;29:53–8

Phosphate metabolic control of potassium movement – its effect on osmotic pressure of the cell. Bessman SP, et al. **Adv Exp Med Biol** 1980;128:175–86

Transport of sodium and potassium across the blood–brain barrier. Eisenberg HM, et al. **Adv Exp Med Biol** 1980; 131:57–67

Abnormal erythrocyte cation fluxes in human hypertension. Garay RP, et al. **Adv Nephrol** 1981;10:37–49

The dynamics of K+ leakage and recovery in cerebral ischemia. Crowe W, et al. **Adv Shock Res** 1978;1:221–32

A possible low intracellular potassium in obesity. Colt EW, et al. **Am J Clin Nutr** 1981 Mar;34(3):367–72

Errors in potassium balance. Forbes GB, et al. **Am J Clin Nutr** 1981 Jan;34(1):105–9

Electrolyte metabolism in rhesus monkeys with experimental salmonella sepsis. Nichols BL, et al. **Am J Clin Nutr** 1981 Jul;34(7):1362–71

Total body potassium--a guide to nutritional health in patients undergoing continuous ambulatory peritoneal dialysis. Rubin J, et al. **Am J Clin Nutr** 1981 Jan;34(1):94–8

Myocardial ischemia: ionic events in ischemia and anoxia. Shine KI. **Am J Pathol** 1981 Feb;102(2):256–61 (12 ref.)

Compartmental body composition based on total-body nitrogen, potassium, and calcium. Cohn SH, et al. **Am J Physiol** 1980 Dec;239(6):E524–30

Luminal influences on potassium secretion: transepithelial voltage. Good DW, et al. **Am J Physiol** 1980 Sep; 239(3):F289–98

Mechanism of increased potassium secretion in potassium loading and sodium deprivation. Hayslett JP, et al. **Am J Physiol** 1980 Oct;239(4):F378–F382

Effects of amino acids on membrane potential and 86Rb+ fluxes in pancreatic beta-cells. Henquin JC, et al. **Am J Physiol** 1981 Mar;240(3):E245–52

Resting potential changes associated with Na-K pump in failing heart muscle. Houser SR, et al. **Am J Physiol** 1981 Feb;240(2):H168–76

Calcium action potentials and potassium permeability activation in pancreatic beta-cells. Ribalet B, et al. **Am J Physiol** 1980 Sep;239(3):C124–33

Effect of hemorrhagic shock on hepatic transmembrane potentials and intracellular electrolytes, in vivo. Sayeed MM, et al. **Am J Physiol** 1981 Mar;240(3):R211–9

Unidirectional flux ratio for potassium ions in depolarized frog skeletal muscle. Spalding BC, et al. **Am J Physiol** 1981 Jul;241(1):C68–75

Role of cyclic GMP in cholinergic activation of Na-K pump in duck salt gland. Stewart DJ, et al. **Am J Physiol** 1981 May;240(5):C207–14

Effects of sodium and chloride on potassium transport by the bullfrog kidney. Sullivan LP, et al. **Am J Physiol** 1981 Feb;240(2):F127–37

Correlation of sodium and potassium in human seminal plasma with fertilizing capacity of normal, and infertile subjects. Skandhan KP, et al. **Andrologia** 1981 Mar–Apr;

13(2):147–54
Increase in extracellular potassium in the brain during circulatory arrest: effects of hypothermia, lidocaine, and thiopental. Astrup J, et al. **Anesthesiology** 1981 Sep; 55(3):256–62
The interaction of K+ with gastric parietal cells and gastric ATPase. Sachs G, et al. **Ann NY Acad Sci** 1980;358:118–37
Mechanisms of gentamicin-induced dysfunction of renal cortical mitochondria. II. Effects on mitochondrial monovalent cation transport. Weinberg JM, et al. **Arch Biochem Biophys** 1980 Nov;205(1):232–9
Different changes in transmembrane potential of cultured cells after ouabain-inhibited active Na+/K+-transport. Redmann K, et al. **Arch Geschwulstforsch** 1981;51(1):96–102
Sodium restriction. Diuretics and potassium loss [editorial] Moser M. **Arch Intern Med** 1981 Jul;141(8):983–4
Moderate sodium restriction and various diuretics in the treatment of hypertension. Ram CV, et al. **Arch Intern Med** 1981 Jul;141(8):1015–9
Actions and interactions of norepinephrine and acetylcholine on sinus node potassium movements. Carpentier R, et al. **Arch Sci Biol (Bologna)** 1977 Jan–Dec;61(1–4):75–88
Membrane potential: which formulae do hold? Lenzi P. **Arch Sci Biol (Bologna)** 1978 Jan–Dec;62(1–4):173–6
Effect of hypo- and hypertonic saline and raffinose on cell content of Na, Cl and K in respiring rat kidney cortex at 37 degree. György AZ, et al. **Aust J Exp Biol Med Sci** 1981 Apr;59(Pt 2):183–94
Potassium handling by the kidney. Hyperkalaemia. Barratt LJ. **Aust NZ J Med** 1981;11(Suppl 1):16–22 (109 ref.)
Regulation of active cation flux by vanadate in beating rat heart muscle cells in culture. Werdan K, et al. **Basic Res Cardiol** 1980 May–Jun;75(3):466–71
Stimulation of monovalent ion fluxes and DNA synthesis in 3T3 cells by melittin and vasopressin is not mediated by phospholipid deacylation. Gelehrter TD, et al. **Biochem Biophys Res Commun** 1980 Nov 28;97(2):716–24
The nature of the link between potassium transport and phosphate transport in Escherichia coli. Russell LM, et al. **Biochem J** 1980 Jun 15;188(3):715–23
Inhibition by steroids of the uptake of potassium by capillaries isolated from rat brain. Chaplin ER, et al. **Biochem Pharmacol** 1981 Feb 1;30(3):241–5
Secretagogue-induced transport of H+ and K+ by in vitro amphibian gastric mucosa. Ray TK, et al. **Biochem Pharmacol** 1980 Oct 15;29(20):2755–8
Dependence of mitochondrial K+ flux on pH. Diwan JJ. **Biochem Soc Trans** 1981 Feb;9(1):153–4
Regulation of cardiac mitochondrial potassium-ion movements. Gehring CA, et al. **Biochem Soc Trans** 1980 Dec;8(6):743
Potassium ion transport and electrogenesis in Anabaena variabilis. Reed RH, et al. **Biochem Soc Trans** 1980 Dec; 8(6):708–9
Discrimination between rubidium and potassium ions in Anabaena variabilis. Reed RH, et al. **Biochem Soc Trans** 1980 Dec;8(6):709–10
Modulation by small hydrophobic molecules of valinomycin-mediated potassium transport across phospholipid vesicle membranes. Clement NR, et al. **Biochemistry** 1981 Mar 17;20(6):1539–43
Is ouabain-sensitive rubidium or potassium uptake a measure of sodium pump activity in isolated cardiac muscle? Akera T, et al. **Biochim Biophys Acta** 1981 Feb 6;640(3):779–90
Potassium chloride cotransport in steady-state ascites tumor cells. Does bumetanide inhibit? Aull F. **Biochim Biophys Acta** 1981 May 6;643(2):339–45
Characterization of 42K+ and 86Rb+ transport and electrical membrane properties in exponentially growing neuroblastoma cells. Boonstra J, et al. **Biochim Biophys Acta** 1981 Apr 22;643(1):89–100
The effect of DDT on K+ transport in mouse liver mitochondria. Chefurka W, et al. **Biochim Biophys Acta** 1980 Sep 18;601(2):349–57
Photosensory transduction in the flagellated alga, Euglena gracilis. II. Evidence that blue light effects alteration in Na+/K+ permeability of the photoreceptor membrane. Doughty MJ, et al. **Biochim Biophys Acta** 1980 Oct 16; 602(1):10–23
Electrically silent cotransport on Na+, K+ and Cl- in Ehrlich cells. Geck P, et al. **Biochim Biophys Acta** 1980 Aug 4;600(2):432–47
Potassium binding to the (Na+ + K+)-ATPase. Hastings D, et al. **Biochim Biophys Acta** 1980 Sep 18;601(2):380–5
Temperature-dependent relationship between K+ influx, Mg2+-ATPase activity, transmembrane potential and membrane lipid composition in mycoplasma. Le Grimellec C, et al. **Biochim Biophys Acta** 1980 July;599(2):639–51
A Ca2+-refractory state of the Ca-sensitive K+ permeability mechanism in sickle cell anaemia red cells. Lew VL, et al. **Biochim Biophys Acta** 1980 Oct 16; 602(1):196–200
An investigation into the feasibility of using yeast protoplasts to study the ion transport properties of the plasma membrane. Theuvenet AP, et al. **Biochim Biophys Acta** 1980 July;599(2):587–95
Isolation of sealed vesicles highly enriched with sarcolemma markers from canine ventricle. van Alstyne E, et al. **Biochim Biophys Acta** 1980 Oct 16;602(1):131–43
Permeability of reconstituted sarcoplasmic reticulum vesicles. Reconstitution of the K+, Na+ channel. Young RC, et al. **Biochim Biophys Acta** 1981 Jan 22;640(2):409–18
Interaction of barium ions with potassium channels in squid giant axons. Armstrong CM, et al. **Biophys J** 1980 Jun; 30(3):473–88
Conditioning hyperpolarization-induced delays in the potassium channels of myelinated nerve. Begenisich T. **Biophys J** 1979 Aug;27(2):257–65
Membrane currents following activity in canine cardiac Purkinje fibers. Cohen I, et al. **Biophys J** 1981 Feb; 33(2):281–8
Blockage of squid axon potassium conductance by internal tetra-N-alkylammonium ions of various sizes. French RJ, et al. **Biophys J** 1981 May;34(2):271–91
Potassium ion accumulation at the external surface of the nodal membrane in frog myelinated fibers. Moran N, et al. **Biophys J** 1980 Dec;32(3):939–54
Diffusion of ions in myelinated nerve fibers. Palti Y, et al. **Biophys J** 1979 Jan;25(1):17–31
Potassium currents and conductance. Comparison between motor and sensory myelinated fibers. Palti Y, et al. **Biophys J** 1980 Dec;32(3):955–66
Effects of the dipolar form of phloretin on potassium conductance in squid giant axons. Strichartz GR, et al. **Biophys J** 1980 Aug;31(2):229–46
K+ conductance modified by a titratable group accessible to protons from the intracellular side of the squid axon membrane. Wanke E, et al. **Biophys J** 1979 May; 26(2):319–24
Inhibition of potassium conductance with external tetraethylammonium ion in Myxicola giant axons. Wong BS, et al. **Biophys J** 1980 Dec;32(3):1037–42
Actions of various muscarinic agonists on membrane potential, potassium efflux, and contraction of longitudinal muscle of guinea-pig intestine. Bolton TB, et al. **Br J Pharmacol** 1981 Feb;72(2):319–34
Time course of ouabain uptake in isolated myocardial cells: dependence on extracellular potassium and calcium concentration. Meldgaard L, et al. **Br J Pharmacol** 1981 Jun;73(2):341–5
Sodium and potassium in essential hypertension. Lever AF, et al. **Br Med J [Clin Res]** 1981 Aug 15;283(6289):463–8
Two types of potassium channels in the PC12 cell line. Arner LS, et al. **Brain Res** 1981 Jun 29;215(1–2):419–25
The increase in extracellular potassium concentration in the ischemic brain in relation to the preischemic functional activity and cerebral metabolic rate. Astrup J, et al. **Brain Res** 1980 Oct 13;199(1):161–74
Clearance of extracellular potassium: evidence for spatial buffering by glial cells in the retina of the drone. Gardner-Medwin AR, et al. **Brain Res** 1981 Mar 30; 209(2):452–7
Extracellular potassium activity during frequency-dependent conduction block of giant axons in the metathoracic ganglion of the cockroach. Grossman Y, et al. **Brain Res** 1981 Apr 27;211(1):196–201
Control of the variability of the afferent discharge rate in frog muscle spindle by potassium blockers. Ito F, et al. **Brain Res** 1981 Jul 6;216(1):199–202
Receptor for protons in the membrane of sensory neurons. Krishtal OA, et al. **Brain Res** 1981 Jun 9;214(1):150–4
Substance P decreases a potassium conductance of spinal cord neurons in cell culture. Nowak LM, et al. **Brain Res** 1981 Jun 15;214(2):416–23
Biphasic effect of thyrotropin-releasing hormone on membrane K+ permeability in rat clonal pituitary cells. Ozawa S. **Brain Res** 1981 Mar 23;209(1):240–4
Cell interactions in concanavalin A activated cation flux and DNA synthesis of mouse lymphocytes. Owens T, et al. **Can J Biochem** 1980 Nov;58(11):1314–7
Energy coupling to K+ transport in a marine bacterium. Sedgwick EG, et al. **Can J Biochem** 1980 Oct; 58(10):1206–14
K+, Na+, and Mg2+ content and permeability of Methanospirillum hungatei and Methanobacterium thermoautotrophicum. Sprott GD, et al. **Can J Microbiol** 1981 Apr;27(4):444–51
Changes in extracellular Ca2+ and K+ activity accompanying hippocampal discharges. Krnjević K, et al. **Can J Physiol Pharmacol** 1980 May;58(5):579–82
Dietary influences on sodium and potassium metabolism of reindeer. Staaland H, et al. **Can J Zool** 1980 Oct; 58(10):1728–34
Ability of monovalent cations to replace potassium during stimulation of lymphoid cells. Hart DA. **Cell Immunol** 1981 Jan 1;57(1):209–18
Changes in cellular Na+, K+, and Ca2+ contents, monovalent cation transport rate, and contractile state during washout of cardiac glycosides from cultured chick heart cells. Barry WH, et al. **Circ Res** 1981 Jul;49(1):141–9
Potassium, lactate, and water fluxes in human quadriceps muscle during static contractions. Saltin B, et al. **Circ Res** 1981 Jun;48(6 Pt 2):I18–24
Comparison of myocardial potassium and thallium flux as studied by tracer methods. Nitsch J, et al. **Clin Cardiol** 1980 Jun;3(3):188–91
Effect of magnesium deficiency and excess on renal tubular potassium transport in the rat. Carney SL, et al. **Clin Sci** 1981 May;60(5):549–54
Total body potassium in relation to thyroid hormones and hyperthyroidism. Edmonds CJ, et al. **Clin Sci** 1981 Mar; 60(3):311–8
Effect of chronic dietary potassium depletion and repletion on cardiac and skeletal muscle structure, electrolytes and pH in the rabbit. Hall RJ, et al. **Clin Sci** 1981 Apr; 60(4):441–9
Effect of extracellular potassium on the transport of sodium and potassium in rat thymocytes. Jones RB, et al. **Clin Sci** 1981 Sep;61(3):307–12
Pathways of transepithelial potassium movement in the epithelium of distal colon in man. Kermode JC, et al. **Clin Sci** 1980 Jul;59(1):29–39
Vascular sodium-potassium pump activity in various models of experimental hypertension. Pamnani MB, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:179s–181s
Total body potassium falls with age. Rajagopalan B, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:427s–429s
Effect of picrate on potassium conductance of neurons in Helix pomatia. Christoffersen GF. **Comp Biochem Physiol [C]** 1981;68C(2):243–5
Potassium and renal failure. Kunis CL, et al. **Compr Ther** 1981 Mar;7(3):29–33
Rubidium efflux from neural cell lines through voltage-dependent potassium channels. Arner LS, et al. **Dev Biol** 1981 Apr 15;83(1):138–45
Some thoughts on potassium and acetazolamide in developing kidneys. Kaplan BS. **Dev Pharmacol Ther** 1981;2(1):52–4
Role of aldosterone on renal sodium and potassium excretion during fetal life and newborn period. Robillard JE, et al. **Dev Pharmacol Ther** 1980;1(4):201–16
Insulin does not act by causing a change in membrane potential or intracellular free sodium and potassium concentration of adipocytes. Stark RJ, et al. **Diabetes** 1980 Dec;29(12):1040–3
The effect of digoxin on red blood cell and total body potassium (therapeutic implications). Bahemuka M. **East Afr Med J** 1980 Aug;57(8):549–54
Toxin-induced K+ efflux through the Na+ channel of neuroblastoma cells. Jacques Y, et al. **Eur J Biochem** 1980 Oct;111(1):265–73
Opening of potassium channels in Escherichia coli membranes by thiol reagents and recovery of potassium tightness. Meury J, et al. **Eur J Biochem** 1980 Dec; 113(1):33–8
Characterization of the transport of potassium ions in the cyanobacterium Anabaena variabilis Kütz. Reed RH, et al. **Eur J Biochem** 1981 May 15;116(2):323–30
The ionic sensitivity of secretion-associated organelles in root cap cells of maize. Robinson DG. **Eur J Cell Biol** 1981 Feb;23(2):267–72
Increase of cGMP and accumulation of 45Ca2+ evoked by drugs acting on sodium or potassium channels. Ahnert-Hilger G, et al. **Eur J Pharmacol** 1981 Mar 26; 70(3):301–10
Effects of vanadate on mechanical responses and Na-K pump in vascular smooth muscle. Ozaki H, et al. **Eur J Pharmacol** 1980 Dec 5;68(3):339–47
Effects of sympathetic denervation or chronic reserpine on potassium (42K) and chloride (36Cl) efflux from guinea-pig vas deferens. Urquilla PR, et al. **Eur J Pharmacol** 1980 Aug 22;66(1):11–9
The effect of noradrenaline on Na-K transport in rat cerebral cortical slices. Wu PH, et al. **Eur J Pharmacol** 1981 Feb 19;69(4):529–31
Transient changes in the size of the extracellular space in the sensorimotor cortex of cats in relation to stimulus-induced changes in potassium concentration. Dietzel I, et al. **Exp Brain Res** 1980;40(4):432–9
Evidence that the depolarization of glial cells by inhibitory amino acids is caused by an efflux of K+ from neurones. Hösli L, et al. **Exp Brain Res** 1981;42(1):43–8
Potassium and cochlear microphonics. Johnstone JR, et al. **Exp Brain Res** 1980;40(1):111–3
Permeability to potassium of the endolymph-perilymph barrier and its possible relation to hair cell function. Konishi T, et al. **Exp Brain Res** 1980;40(4):457–63
Nerve growth factor influences potassium movements in chick embryo dorsal root ganglionic cells. Skaper SD, et al. **Exp Cell Res** 1981 Feb;131(2):353–61
Transport of hexoses, potassium and neutral amino acids into capillaries isolated from bovine retina. Betz AL, et al. **Exp Eye Res** 1980 May;30(5):593–605
Calcium controls both sodium and potassium permeability of lens membranes. Jacob TJ, et al. **Exp Eye Res** 1981 Jul; 33(1):85–93
Intracellular potassium activities in muscles of normal and dystrophic mice: an in vivo electrometric study. Charlton MP, et al. **Exp Neurol** 1981 Jan;71(1):203–19
Potassium transfer from brain to blood during sustained hyponatraemia in the newborn calf. Gardiner RM, et al. **Experientia** 1980 Aug 15;36(8):990–1
Action of GABA and glycine on the membrane potential of culture astrocytes and the extracellular concentration. Hösli L, et al. **Experientia** 1980 Dec 15;36(12):1396
Uptake and extrusion of k+ regulated by extracellular pH in Escherichia coli. Yamasaki K, et al. **FEBS Lett** 1980 Oct 20;120(1):125–7
Active transport of potassium by insect midgut. Blankemeyer JT. **Fed Proc** 1981 Jul;40(9):2412–6
Potassium activities in epithelia. Civan MM. **Fed Proc** 1980 Sep;39(11):2865–70
Calcium-mediated control of Ca and K currents. Eckert R, et al. **Fed Proc** 1981 Jun;40(8):2226–32
Problems of epithelial potassium transport: special consideration of the nephron. Giebisch G. **Fed Proc** 1981 Jul;40(9):2395–7

Potassium secretion by the cortical collecting tubule. O'Neil RG. **Fed Proc** 1981 Jul;40(9):2403–7
Potassium transport by rabbit descending colon, in vitro. Schultz SG. **Fed Proc** 1981 Jul;40(9):2408–11
Potassium transport by successive segments of the mammalian nephron. Wright FS. **Fed Proc** 1981 Jul; 40(9):2398–402
Changes in K+ associated with epileptic discharges or spreading depression. Kaminogo M, et al. **Folia Psychiatr Neurol Jpn** 1980;34(3):359
Energy dispersive X-ray elemental analysis of isolated epiphyseal growth plate chondrocyte fragments. Boyde A, et al. **Histochemistry** 1980;69(1):85–94
The potassium permeability of pancreatic islet cells: mechanisms of control and influence on insulin release. Henquin JC. **Horm Metab Res [Suppl]** 1980;Suppl 10:66–73
Ionic mechanisms of the glucose-induced membrane potential changes in B-cells. Meissner HP, et al. **Horm Metab Res [Suppl]** 1980;Suppl 10:91–9
Univalent ions in islet cell function. Sehlin J. **Horm Metab Res [Suppl]** 1980;Suppl 10:73–80 (41 ref.)
Effect of concanavaline A on intracellular K+ and Na+ concentration and K+ transport of human lymphocytes. Averdunk R, et al. **Immunobiology** 1980 Jul;157(2):132–44
Simplified reaction-diffusion equations for potassium and calcium ion concentrations during spreading cortical depression. Tuckwell HC. **Int J Neurosci** 1981;12(2):95–107
Mineral elements: new perspectives. Mertz W. **J Am Diet Assoc** 1980 Sep;77(3):258–63 (27 ref.)
Effect of low-potassium diet on rat exercise hyperthermia and heatstroke mortality. Hubbard RW, et al. **J Appl Physiol** 1981 Jul;51(1):8–13
Role of vacuolar ion pool in Saccharomyces carlsbergensis: potassium efflux from vacuoles is coupled with manganese or magnesium influx. Lichko LP, et al. **J Bacteriol** 1980 Nov;144(2):666–71
Vacuoles: main compartments of potassium, magnesium, and phosphate ions in Saccharomyces carlsbergenis cells. Okorokov LA, et al. **J Bacteriol** 1980 Nov;144(2):661–5
Binding of monovalent cations to Na+,K+-dependent ATPase purified from porcine kidney. I. Simultaneous binding of three sodium and two potassium or rubidium ions to the enzyme. Yamaguchi M, et al. **J Biochem (Tokyo)** 1980 Nov;88(5):1365–75
Binding of monovalent cations to Na+,K+-dependent ATPase purified from porcine kidney. III. Marked changes in affinities for monovalent cations induced by formation of an ADP-insensitive but no an ADP-Sensitive phosphoenzyme. Yamaguchi M, et al. **J Biochem (Tokyo)** 1980 Nov;88(5):1387–97
Binding of monovalent cations to Na+,K+-dependent ATPase purified from porcine kidney. II. Acceleration of transition from a K+-bound form to a Na+-bound form by binding of ATP to a regulatory site of the enzyme. Yamaguchi M, et al. **J Biochem (Tokyo)** 1980 Nov; 88(5):1377–85
Ion transport in liver mitochondria from normal and thyroxine-treated rats. Shears SB, et al. **J Bioenerg Biomembr** 1980 Dec;12(5–6):379–93
Induction of Na+/K+ exchange in swollen heart mitochondria. Shi GY, et al. **J Bioenerg Biomembr** 1980 Aug;12(3–4):233–47
Efflux of magnesium and potassium ions from liver mitochondria induced by inorganic phosphate and by diamide. Siliprandi D, et al. **J Bioenerg Biomembr** 1978 Apr;10(1–2):1–11
Ion movements during energy-linked mitochondrial structural changes. Webster KA, et al. **J Bioenerg Biomembr** 1978 Apr;10(1–2):23–44
On the mechanism of A23187-induced potassium efflux in rat liver mitochondria. Dordick RS, et al. **J Biol Chem** 1980 Nov 10;255(21):10299–305
Energy coupling to K+ transport in Paracoccus denitrificans. Erecińska M, et al. **J Biol Chem** 1981 Jan 10;256(1):278–84
On the mechanism of regulation of the mitochondrial K+/H+ exchanger. Garlid KD. **J Biol Chem** 1980 Dec 10;255(23):11273–9
Inhibition of sodium and potassium adenosine triphosphatase by 2',3'-O-(2,4,6-trinitrocyclohexadienylidene) adenine nucleotides. Implications for the structure and mechanism of the Na:K pump. Moczydlowski EG, et al. **J Biol Chem** 1981 Mar 10;256(5):2357–66
Induction of respiration-dependent net efflux of K+ from heart mitochondria by depletion of endogenous divalent cations. Shi GY, et al. **J Biol Chem** 1980 Nov 10; 255(21):10306–11
The effect of the Ca2+-ATPase of sarcoplasmic reticulum upon activities of Na+, K+, and H3O+ ions. Wiggins PM. **J Biol Chem** 1980 Dec 10;255(23):11365–71
Intracellular univalent cations and the regulation of the BALB/c-3T3 cell cycle. Frantz CN, et al. **J Cell Biol** 1981 Jan;88(1):51–6
Cation transport and growth regulation in neuroblastoma cells. Modulations of K+ transport and electrical membrane properties during the cell cycle. Boonstra J, et al. **J Cell Physiol** 1981 Apr;107(1):75–83
Cation fluxes and volume regulation by human lymphocytes. Bui AH, et al. **J Cell Physiol** 1981 Jul;108(1):47–54
Intracellular concentration of potassium and other elements in vaginal epithelial cells stimulated by estradiol administration. Cameron IL, et al. **J Cell Physiol** 1980 Jul; 104(1):121–5
Serum stimulation of potassium fluxes, ouabain binding, and sodium fluxes in quiescent chicken embryo fibroblasts. Johnson MA, et al. **J Cell Physiol** 1980 May;103(2):363–70
Na entry and Na-K pump activity in murine, hamster, and human cells—effect of monensin, serum, platelet extract, and viral transformation. Mendoza SA, et al. **J Cell Physiol** 1980 Apr;103(1):17–27
Vasopressin rapidly stimulates Na entry and Na-K pump activity in quiescent cultures of mouse 3T3 cells. Mendoza SA, et al. **J Cell Physiol** 1980 Oct;105(1):153–62
Intracellular concentration of elements in normal and dystrophic skeletal muscles of the chicken. Misra LK, et al. **J Cell Physiol** 1980 May;103(2):193–200
A critical temperature transition of K+-Na+ exchange in human lymphocytes. Negendank W, et al. **J Cell Physiol** 1980 Apr;103(1):87–95
Na+, K+-ATPase in HeLa cells after prolonged growth in low K+ or ouabain. Pollack LR, et al. **J Cell Physiol** 1981 Jan;106(1):85–97
The effect of calcium chelation on lymphocyte monovalent cation permeability, transport and concentration. Quastel MR, et al. **J Cell Physiol** 1981 May;107(2):165–70
The apparent discrepancy of ouabain inhibition of cation transport and of lymphocyte proliferation is explained by time-dependency of ouabain binding. Segel GB, et al. **J Cell Physiol** 1980 Jul;104(1):21–6
Further studies of hormone-sensitive sodium and potassium transport in red cells from developing chick embryos. Shanbaky NM, et al. **J Cell Physiol** 1981 May;107(2):303–8
Variable coupling of active Na+ + K+ transport in Ehrlich ascites tumor cells: regulation by external Na+ and K+. Smith TC, et al. **J Cell Physiol** 1981 Mar;106(3):407–18
The membrane potential of Ehrlich ascites tumor cells: an evaluation of the null point method. Smith TC, et al. **J Cell Physiol** 1981 Mar;106(3):399–406
Demonstration of active potassium transport in the mammalian colon. Kliger AS, et al. **J Clin Invest** 1981 Apr; 67(4):1189–96
Excretion of monovalent ions and water in the saliva of the ferret. Mangos JA, et al. **J Dent Res** 1980 Dec; 59(12):2087–90
Mode of action of miconazole on Candida albicans: effect on growth, viability and K+ release. Cope JE. **J Gen Microbiol** 1980 Jul;119(1):245–51
Modification of sodium and potassium channel gating kinetics by ether and halothane. Bean BP, et al. **J Gen Physiol** 1981 Mar;77(3):233–53
Potassium flux ratio in voltage-clamped squid giant axons. Begenisich T, et al. **J Gen Physiol** 1980 July;76(1):83–98
Ionic selectivity, saturation, and block in a K+-selective channel from sarcoplasmic reticulum. Coronado R, et al. **J Gen Physiol** 1980 Oct;76(4):425–46
Properties of tetraethylammonium ion-resistant K+ channels in the photoreceptor membrane of the giant barnacle. Edgington DR, et al. **J Gen Physiol** 1981 Jun;77(6):629–46
Separation of the action potential into a Na-channel spike and a K-channel spike by tetrodotoxin and by tetraethylammonium ion in squid giant axons internally perfused with dilute Na-salt solutions. Inoue I. **J Gen Physiol** 1980 Sep;76(3):337–54
LK sheep reticulocytosis: effect of anti-L on K influx and in vitro maturation. Kim HD, et al. **J Gen Physiol** 1980 July;76(1):109–21
Thermodynamic and kinetic studies of the gating behavior of a K+-selective channel from the sarcoplasmic reticulum membrane. Labarca P, et al. **J Gen Physiol** 1980 Oct; 76(4):397–24
Intracellular K+ activity and its relation to basolateral membrane ion transport in Necturus gallbladder epithelium. Reuss L, et al. **J Gen Physiol** 1980 July;76(1):33–52
Inactivation of potassium current in squid axon by a variety of quaternary ammonium ions. Swenson RP Jr. **J Gen Physiol** 1981 Mar;77(3):255–71
Selectivity of interaction of univalent cations with mammalian ribosomes studied by equilibrium dialysis in the presence of the K+ analogue, 204Tl+. Näslund PH, et al. **J Inorg Biochem** 1981 Feb;14(1):67–79
Total body and serum potassium during treatment with atenolol in combination with chlorthalidone. Gotzen R, et al. **J Int Med Res** 1981;9(4):292–4
Microprobe study of toad urinary bladder in absence of serosal K+. Civan MM, et al. **J Membr Biol** 1980 Aug 7;55(3):187–202
Noise analysis of the K+ current through the apical membrane of Necturus gallbladder. Gögelein H, et al. **J Membr Biol** 1981;60(3):187–98
Competitive membrane adsorption of Na+, K+, and Ca2+ in smooth muscle cells. Kolber MA, et al. **J Membr Biol** 1981 Feb 15;58(2):115–21
A K+-selective, three-state channel from fragmented sarcoplasmic reticulum of frog leg muscle. Labarca PP, et al. **J Membr Biol** 1981;61(1):31–8
The beginning of fluctuation analysis of epithelial ion transport. Lindemann B. **J Membr Biol** 1980;54(1):1–11 (45 ref.)
Electrophysiologic changes associated with potassium depletion of frog skin. Nagel W, et al. **J Membr Biol** 1980 Dec 30;57(3):235–41
Ba2+-induced conductance fluctuations of spontaneously fluctuating K+ channels in the apical membrane of frog skin (Rana temporaria). Van Driessche W, et al. **J Membr Biol** 1980 Aug 21;56(1):31–42
Epithelial potassium transport: tracer and electrophysiological studies in choroid plexus. Zeuthen T, et al. **J Membr Biol** 1981;60(2):105–28
Myocardial extracellular K+ and H+ increase and noradrenaline release as possible cause of early arrhythmias following acute coronary artery occlusion in pigs. Hirche H, et al. **J Mol Cell Cardiol** 1980 Jun;12(6):579–93
Nickel substitution for calcium and the time course of potassium contractures of single muscle fibres. Caputo C. **J Muscle Res Cell Motil** 1981 Jun;2(2):167–82
Effects of in vitro hypoxia and lowered pH on potassium fluxes and energy metabolism in rat brain synaptosomes. Pastuszko A, et al. **J Neurochem** 1981 Jan;36(1):116–23
Potassium ion homeostasis in amphibian brain: contribution of active transport and oxidative metabolism. Sick TJ, et al. **J Neurophysiol** 1981 Jun;45(6):998–1012
Glial membrane potentials and their relationship to [K+]o in man and guinea pig. A comparative study of intracellularly marked normal, reactive, and neoplastic glia. Picker S, et al. **J Neurosurg** 1981 Sep;55(3):347–63
Calcium metabolism in the young adult male as affected by level and form of phosphorus intake and level of calcium intake. Zemel MB, et al. **J Nutr** 1981 Feb;111(2):315–24
Further remarks on the mechanism producing the symptoms of Ménière's disease. Dohlman GF. **J Otolaryngol** 1980 Aug;9(4):285–90
Characteristics of binding of [3H]ouabain to smooth muscle sodium-potassium adenosine triphosphatase and quantitation of sodium-potassium pump sites. Gerthoffer WT, et al. **J Pharmacol Exp Ther** 1981 Jun;217(3):692–6
Regulation of calcium fluxes in rat pancreatic islets: the role of K+ conductance. Herchuelz A, et al. **J Pharmacol Exp Ther** 1980 Oct;215(1):213–20
Effect of carbonic anhydrase inhibitors and acidosis in choroid plexus epithelial cell sodium and potassium. Smith QR, et al. **J Pharmacol Exp Ther** 1980 Dec;215(3):673–80
The effects of vanadate on the fluxes of sodium and potassium ions through the sodium pump. Beaugé LA, et al. **J Physiol (Lond)** 1980 Apr;301:7–23
Effect of a 'sickling pulse' on calcium and potassium transport in sickle cell trait red cells. Bookchin RM, et al. **J Physiol (Lond)** 1981 Mar;312:265–80
Chloride dependence of frusemide- and phloretin-sensitive passive sodium and potassium fluxes in human red cells. Chipperfield AR. **J Physiol (Lond)** 1981 Mar;312:435–44
Stimulation of the sodium-potassium pump by trypsin in low potassium type erythrocytes of goats. Dunham PB, et al. **J Physiol (Lond)** 1980 Apr;301:25–37
Role of water balance in the enhanced potassium excretion and hypokalaemia of rats with diabetes insipidus. Fernández-Repollet E, et al. **J Physiol (Lond)** 1980 Aug; 305:97–108
Potassium transfer from brain to blood during sustained hyponatraemia in the calf. Gardiner RM. **J Physiol (Lond)** 1980 Sep;306:463–72
Sidedness of the effects of sodium and potassium ions on the conformational state of the sodium-potassium pump. Karlish SJ, et al. **J Physiol (Lond)** 1981 Mar;312:505–29
The order of release of sodium and addition of potassium in the sodium-potassium pump reaction mechanism. Sachs JR. **J Physiol (Lond)** 1980 May;302:219–40
A serial study of ECG and electrolyte changes in albino rats after bile duct ligation. Bilgrami NL, et al. **J Postgrad Med** 1981 Jan;27(1):20–4
Control of reabsorption of water and electrolytes by guinea-pig seminal vesicle in vivo. Levine N, et al. **J Reprod Fertil** 1980 Mar;58(2):421–7
Some electrophysiological consequences of electrogenic sodium and potassium transport in cardiac muscle: a theoretical study. Johnson EA, et al. **J Theor Biol** 1980 Dec 21;87(4):737–56
Urine and serum potassium levels after potassium cardioplegia. Azar I, et al. **J Thorac Cardiovasc Surg** 1981 Apr;81(4):516–8
Monovalent cation metabolism and cytopathic effects of poliovirus-infected HeLa cells. Nair CN. **J Virol** 1981 Jan; 37(1):268–73
A triple-barreled microelectrode for simultaneous measurements of intracellular Na+ and K+ activities and membrane potential in biological cells. Fujimoto M, et al. **Jpn J Physiol** 1980;30(6):859–75
Apparent affinity changes induced by insulin of Na-K transport system in frog skeletal muscle. Kitasato H, et al. **Jpn J Physiol** 1980;30(4):603–16
Changes in membrane surfaces of collecting duct cells in potassium adaptation. Rastegar A, et al. **Kidney Int** 1980 Sep;18(3):293–301
Structural and functional study of the rat distal nephron: effects of potassium adaptation and depletion. Stanton BA, et al. **Kidney Int** 1981 Jan;19(1):36–48
In vivo effects of vitamin E deficiency on the intracellular monovalent electrolyte concentrations in brain and liver of rat. An energy dispersive X-ray microanalytic study. Bertoni-Freddari C, et al. **Mech Ageing Dev** 1981 Jun; 16(2):169–80
Potassium homeostasis. Cox M. **Med Clin North Am** 1981 Mar;65(2):363–84
Compartmental body composition of cancer patients by measurement of total body nitrogen, potassium, and water. Cohn SH, et al. **Metabolism** 1981 Mar;30(3):222–9
Functional correlates of Na+,K+-ATPase in lean and obese

(ob/ob) mice. Lin MH, et al. **Metabolism** 1981 May; 30(5):431–8

Calcium- and potassium-channel blockers interact with alpha-adrenoceptors. Glossmann H, et al. **Mol Cell Endocrinol** 1980 Sep;19(3):243–51

The effect of pH on 86Rubidium efflux from pancreatic islet cells. Henquin JC. **Mol Cell Endocrinol** 1981 Feb; 21(2):119–28

Reduced activity of the red-cell sodium-potassium pump in human obesity. De Luise M, et al. **N Engl J Med** 1980 Oct 30;303(18):1017–22

Ca-dependent K channels with large unitary conductance in chromaffin cell membranes. Marty A. **Nature** 1981 Jun 11;291(5815):497–500

Nuclear sodium and potassium. Paine PL, et al. **Nature** 1981 May 21;291(5812):258–9

K+ channels close more slowly in the presence of external K+ and Rb+. Swenson RP Jr, et al. **Nature** 1981 Jun 4;291(5814):427–9

The role of extracellular potassium in early epilepsy. Hashimoto I, et al. **Neurol Res** 1979;1(1):39–49

The interrelation between brain oxidative metabolism and extracellular potassium in the unanesthetized gerbil. Mayevsky A, et al. **Neurol Res** 1980;1(3):213–25

Efflux of potassium from neurones excited by glutamate and aspartate causes a depolarization of cultured glial cells. Hösli L, et al. **Neurosci Lett** 1981 Jan 1;21(1):83–6

Calcium-dependent potassium conductance studied on internally dialysed nerve cells. Kostyuk PG, et al. **Neuroscience** 1980;5(12):2187–92

Effects of polyvalent cations on electrolyte transport and inulin space of rat kidney cortical slices. Gemba M, et al. **Nippon Jinzo Gakkai Shi** 1980 Oct;22(10):1371–9

Na+-K+ transport, motility and tegumental membrane potential in adult male Schistosoma mansoni. Fetterer RH, et al. **Parasitology** 1981 Feb;82(1):97–109

Cystic fibrosis factors: effect of serum on the secretory response of dispersed rat submandibular cells. Seale TW, et al. **Pediatr Res** 1980 Dec;14(12):1398–402

Extracellular potassium and blood flow in the post-ischemic rat brain. Hansen AJ, et al. **Pfluegers Arch** 1980 Dec; 389(1):1–7

Extracellular K+ concentration and K+ balance of the gastrocnemius muscle of the dog during exercise. Hirche H, et al. **Pfluegers Arch** 1980 Sep;387(3):231–7

The subcellular location of potassium flux pathways in frog skeletal muscle. Kovács T, et al. **Pfluegers Arch** 1981 Jun; 390(3):250–5

Differences between K channels in motor and sensory nerve fibres of the frog as revealed by fluctuation analysis. Neumcke B, et al. **Pfluegers Arch** 1980 Aug;387(1):9–16

On the kinetics of the potassium channel activated by acetylcholine in the S-A node of the rabbit heart. Osterrieder W, et al. **Pfluegers Arch** 1980 Jul;386(2):101–9

K efflux through inward rectifying K channels in voltage clamped Purkinje fibers. Vereecke J, et al. **Pfluegers Arch** 1980 Apr;384(3):207–17

Effect of Na-K-ATPase inhibition on hydrogen ion and potassium secretion. Westenfelder C, et al. **Pfluegers Arch** 1980 Jul;386(2):161–71

Effect of temperature and ouabain on th Na+-K+ activated membrane ATPase and electrogenic ionic pump of the golden hamster and mouse diaphragm. Dlouhá H, et al. **Physiol Bohemoslov** 1980;29(6):543–52

The effect of vanadate on the electrogenic Na+/K+ pump, intracellular Na+ concentration and electrophysiological characteristics of mouse skeletal muscle fibre. Dlouhá H, et al. **Physiol Bohemoslov** 1981;30(1):1–10

Preferential localized uptake of K+ and Cs+ over Na+ in the A-band of freeze-dried embedded muscle section: detection by x-ray microanalysis and laser microprobe mass analysis. Edelmann L. **Physiol Chem Phys** 1980; 12(6):509–14

Uridine uptake inhibition in Novikoff hepatoma cells by perturbants of intracellular Ca2+ and K+ levels. Solomonson LP, et al. **Physiol Chem Phys** 1980; 12(6):527–32

Transport of polar non-electrolytes across the intact and perfused guinea-pig placenta. Hedley R, et al. **Placenta** 1980 Oct-Dec;1(4):277–85

Activation of electrogenic Na+/K+ exchange by extracellular K+ in canine cardiac Purkinje fibers. Gadsby DC. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4035–9

Reduction of K+ efflux in cultured mouse fibroblasts, by mutation or by diuretics, permits growth in K+-deficient medium. Jayme DW, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):1057–61

Osmotic control of kdp operon expression in Escherichia coli. Laimins LA, et al. **Proc Natl Acad Sci USA** 1981 Jan; 78(1):464–8

Neural factor in K homeostasis ureter-ligated dogs. Hiatt N, et al. **Proc Soc Exp Biol Med** 1981 Apr;166(4):501–5

Vascular Na+-K+ pump activity in Dahl S and R rats. Pamnani MB, et al. **Proc Soc Exp Biol Med** 1980 Dec; 165(3):440–4

The influence of external sodium and potassium on lithium uptake by primary brain cell cultures at 'therapeutic' lithium concentration. Janka Z, et al. **Psychopharmacology (Berlin)** 1980;71(2):159–63

An electrophysiological study of the effects of ionophore A23187 on Nauphoeta salivary glands. Mitchell MR, et al. **Q J Exp Physiol** 1980 Oct;65(4):309–20

Effect of adenosine 3',5'-monophosphate on neuronal pacemaker activity: a voltage clamp analysis. Treistman SN. **Science** 1981 Jan 2;211(4477):59–61

Brain extracellular ion composition and EEG activity following 10 minutes ischemia in normo- and hyperglycemic rats. Siemkowicz E, et al. **Stroke** 1981 Mar-Apr;12(2):236–40

Total exchangeable potassium in patients receiving total parenteral nutrition. Bocking JK, et al. **Surgery** 1980 Oct; 88(4):551–6

Cerebral potassium release reduced by diphenylhydantoin: proposed mechanism of cerebral protection. Artru AA, et al. **Trans Am Neurol Assoc** 1979;104:89–92

[The mineral picture of acute hyperkalemia in anuric rats] Cáp J, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1980; 23(2):85–91 (Eng. Abstr.) **(Cze)**

[Stimulation and inhibition of the sodium pump by cardiac glycosides] Godfraind T. **Bull Mem Acad R Med Belg** 1980 Feb 23;135(2):174–92 (Eng. Abstr.) **(Fre)**

[Studies on potassium transport through glial cell membranes (author's transl)] Coles JA, et al. **Klin Monatsbl Augenheilkd** 1980 Apr;176(4):522–3 (Eng. Abstr.) **(Fre)**

[Potassium metabolism during antihypertensive treatment with beta-receptor blocker and diuretic treatment] Middeke M, et al. **Dtsch Med Wochenschr** 1981 Mar 27; 106(13):396–400 (Eng. Abstr.) **(Ger)**

[Experimental investigations of electrolyte metabolism of the myocardium during coronary perfusion of isolated hearts of warm blooded animals with ionic, less ionic, and non-ionic contrast media. Part 5 (author's transl)] Löhr E, et al. **Radiologe** 1981 Jun;21(6):303–7 (Eng. Abstr.) **(Ger)**

[Familial periodic paralysis (hypopotassaemic form) (author's transl)] Sonkodi S, et al. **Wien Klin Wochenschr** 1980 Sep 12;92(17):610–3 (Eng. Abstr.) **(Ger)**

[The influence of the beta-mimetic Ritodrine on the potassium balance under tocolytic therapy (author's transl)] Hondros K, et al. **Z Geburtshife Perinatol** 1980 Feb; 184(1):17–24 (Eng. Abstr.) **(Ger)**

[Compartment analysis of potassium metabolism--mathematical modelling of 42-K tracer kinetics] Neumann J, et al. **Z Gesamte Inn Med** 1981 Mar 15;36(6):273–4 suppl (Eng. Abstr.) **(Ger)**

[Effect of ethylmaleimide on the transport of Ca+ and K+ ions across mitochondrial membranes] Lofrumento NE, et al. **Boll Soc Ital Biol Sper** 1979 Apr 30;55(8):715–21 (Eng. Abstr.) **(Ita)**

[Variations of electrolytes in pancreatic juice and in blood of dogs in response to constant hormonal stimulation] Palasciano G, et al. **Boll Soc Ital Biol Sper** 1979 Sep 30; 55(18):1847–51 (Eng. Abstr.) **(Ita)**

[Potassium adaptation] Abe H, et al. **Nippon Rinsho** 1981 Feb;39(2):272–9 (51 ref.) **(Jpn)**

[Kallikrein-kinin, prostaglandins and potassium metabolism] Abe K, et al. **Nippon Rinsho** 1981 Feb;39(2):285–91 (36 ref.) **(Jpn)**

[Mechanism of renal transport of potassium] Endou H. **Nippon Rinsho** 1981 Feb;39(2):258–65 (27 ref.) **(Jpn)**

[Catecholamines and potassium metabolism] Hishida A, et al. **Nippon Rinsho** 1981 Feb;39(2):304–9 (29 ref.) **(Jpn)**

[Insulin and potassium metabolism] Kaneko T, et al. **Nippon Rinsho** 1981 Feb;39(2):299–303 **(Jpn)**

[Acid-base balance (author's transl)] Kitaoka T, et al. **Nippon Rinsho** 1981 Feb;39(2):292–8 (26 ref.) **(Jpn)**

[Kidney failure and potassium metabolism] Koide K, et al. **Nippon Rinsho** 1981 Feb;39(2):325–31 **(Jpn)**

[Abnormal potassium metabolism in heart failure] Kubo S, et al. **Nippon Rinsho** 1981 Feb;39(2):348–56 (53 ref.) **(Jpn)**

[Digestive tract mechanism of potassium transport] Takahashi S, et al. **Nippon Rinsho** 1981 Feb;39(2):246–52 **(Jpn)**

[Hematologic diseases and potassium metabolism] Takaku F. **Nippon Rinsho** 1981 Feb;39(2):378–81 **(Jpn)**

[Body distribution of potassium and kinetics] Yamane T. **Nippon Rinsho** 1981 Feb;39(2):253–7 **(Jpn)**

[Potassium metabolism] Yoshitoshi Y. **Nippon Rinsho** 1981 Feb;39(2):242–5 **(Jpn)**

[Changes of extracellular potassium concentration in the cortex and brain stem during the acute phase of experimental closed head injury (author's transl)] Takahashi H, et al. **No To Shinkei** 1981 Apr;33(4):365–76 (Eng. Abstr.) **(Jpn)**

[Effect of intra-duodenal administration of HCl and NaHCO3 on the secretion and content of sodium, potassium and calcium in the pancreatic juice and bile of sheep] Studziński T, et al. **Pol Arch Weter** 1979; 22(2):205–17 (Eng. Abstr.) **(Pol)**

[Disorders of water-electrolyte balance in delirium tremens] Więznowski J, et al. **Psychiatr Pol** 1980 Jul-Aug; 14(4):413–6 **(Pol)**

[Evaluation of the exchangeable potassium with K42 in normal subjects and in patients with chronic renal failure] Prata MM, et al. **Acta Med Port** 1979 May-Jun;1(3):325–33 (Eng. Abstr.) **(Por)**

[Water-electrolyte disorders and their importance in the etiopathogenesis and physiopathology of edemas] Del Nero Júnior E, et al. **Arq Bras Cardiol** 1981 Jan;36(1):59–71 (122 ref.) **(Por)**

[Biphasic energy-dependent potassium ion absorption by Escherichia coli cells] Durgar'ian SS, et al. **Biofizika** 1980 Jul-Aug;25(4):654–7 (Eng. Abstr.) **(Rus)**

[Electroosmotic superstability in living cells. Unified model of the morphologically active membrane cell-unit with electrogenic K+, Na+-transport] Il'in AS. **Biofizika** 1981 May-Jun;26(3):492–7 (Eng. Abstr.) **(Rus)**

[Ion transport through thick liquid membranes by fatty acids] Kocherginskiĭ NM, et al. **Biofizika** 1980 Sep-Oct; 25(5):832–6 (Eng. Abstr.) **(Rus)**

[Coupling of energy-dependent H+ and K+ ion fluxes in Streptococcus faecalis] Martirosov SM, et al. **Biofizika** 1980 Jul-Aug;25(4):742–3 (Eng. Abstr.) **(Rus)**

[Protein from beef heart mitochondria inducing the potassium channel conductivity of bilayer lipid membrane] Mironova GD, et al. **Biofizika** 1981 May-Jun;26(3):451–7 (Eng. Abstr.) **(Rus)**

[Effect of ouabain, d-tubocurarine, and prozerine on K+ ion release from erythrocytes and ascites cells] Mustafin AM, et al. **Biofizika** 1981 Jan-Feb;26(1):142–3 (Eng. Abstr.) **(Rus)**

[Transmembrane ion currents in pulmonary artery smooth muscle] Buryĭ VA, et al. **Biull Eksp Biol Med** 1980 Nov; 90(11):519–21 (Eng. Abstr.) **(Rus)**

[Changes in presynaptic potentiation and depression in the variation of the potassium component of the endplate current] Matiushkin DP, et al. **Dokl Akad Nauk SSSR** 1981; 258(3):765–8 **(Rus)**

[Reversible increase in the maximal potassium permeability of a nerve fiber membrane following formamide application] Peganov EM. **Dokl Akad Nauk SSSR** 1980; 253(4):986–9 **(Rus)**

[Effect of synaptic activity on the reversal potential of endplate currents] Krivoĭ II, et al. **Fiziol Zh SSSR** 1980 Sep;66(9):1417–20 **(Rus)**

[Role of tissue depots and the kaliuretic effect of aldosterone in potassium homeostasis] Sokolova MM. **Fiziol Zh SSSR** 1981 Mar;67(3):448–53 (Eng. Abstr.) **(Rus)**

[Changes in the calcium, phosphorus, potassium, sodium and iron content in the body with tumors] Barbolin VI. **Med Radiol (Mosk)** 1981 Jan;26(1):65–71 (72 ref.) **(Rus)**

[Changes in the alkaline cation transport across the plasma membrane of CHO-K1 cell lines resistant to ethidium bromide] Marakhova II, et al. **Tsitologiia** 1981 Apr; 23(4):410–8 (Eng. Abstr.) **(Rus)**

[Comparative analysis of potassium and sodium flux across a muscle fiber membrane in a saline medium deficient in alkali metal cations] Vereninov AA, et al. **Tsitologiia** 1981 Mar;23(3):312–22 (Eng. Abstr.) **(Rus)**

[Ionic currents of neuroblastoma clone N18 A-1 cultured cells under potassium fluoride and phosphate intracellular dialysis] Zubov AN, et al. **Tsitologiia** 1980 Oct; 22(10):1200–6 (Eng. Abstr.) **(Rus)**

[Glucose-6-phosphate dehydrogenase, glutathione reductase, succinate dehydrogenase activities and content of sodium and potassium in kidneys of epiphysisectomized rats under spontaneous diuresis and water load] Pishak VP, et al. **Ukr Biokhim Zh** 1981 May-Jun;53(3):91–3 (Eng. Abstr.) **(Rus)**

[Effect of human plasma lipoproteins on ionic conductivity of lipid bilayer membranes] Martseniuk OV, et al. **Vopr Med Khim** 1980 Jul-Aug;26(4):484–9 (Eng. Abstr.) **(Rus)**

[Features of potassium metabolism in progressive muscular dystrophy] Sitnikov VF, et al. **Zh Nevropatol Psikhiatr** 1980;80(11):1617–20 (Eng. Abstr.) **(Rus)**

[Measurement of the flux of labeled ions through the membrane of an isolated muscle fibre (author's transl)] Sajter V, et al. **Bratisl Lek Listy** 1980 Aug;74(2):134–44 (Eng. Abstr.) **(Slo)**

[Blockage of the k channel of erythrocyte ghosts by oligomycin (author's transl)] Romero PJ, et al. **Acta Cient Venez** 1979;30(1):36–41 (Eng. Abstr.) **(Spa)**

[Potassium metabolism disorders (II)] Garnacho de Vega A, et al. **Med Clin (Barc)** 1981 Jan 10;76(1):34–7 **(Spa)**

[Disorders of potassium metabolism I] Romero González R, et al. **Med Clin (Barc)** 1980 Dec 15;75(10):438–42 (79 ref.) **(Spa)**

PHARMACODYNAMICS

Transmitters and/or metal atoms in muscle mechanics. Ernst E, et al. **Acta Biochim Biophys Acad Sci Hung** 1980; 15(2):103–7

A kinetic study of the K+ activated ATPase of myosin subfragment-1. Kelemen GS, et al. **Acta Biochim Biophys Acad Sci Hung** 1980;15(1):21–8

K and Ca in muscle mechanics, II. K-contracture. Varga-Mányi R. **Acta Biochim Biophys Acad Sci Hung** 1980;15(2):95–101

Effect of cations on insulin biosynthesis in mouse pancreatic islets. Hansen SE, et al. **Acta Biol Med Ger** 1981;40(1):9–13

Calcium and pancreatic beta-cell function. 12. Modification of 45Ca fluxes by excess of K+. Andersson T, et al. **Acta Endocrinol (Copenh)** 1981 Jan;96(1):87–92

Stimulation by serum of aldosterone production from rat adrenal glomerulosa cells in vitro: relationships to K+, serotonin and angiotensin II. Mendelsohn FA, et al. **Acta Endocrinol (Copenh)** 1981 Jun;97(2):231–42

Effect of calcium and potassium on basal and gonadotrophin-releasing hormone (GnRH) stimulated release of luteinizing hormone (LH). Zolman JC, et al. **Acta Endocrinol (Copenh)** 1981 May;97(1):26–32

Analysis of the sensitizing effect of veratrum alkaloids to potassium on frog muscle. Cseri J, et al.

Acta Physiol Acad Sci Hung 1980;56(3):289–301

On the changes in the membrane potential and the contractile activity of the smooth muscle of the lower esophageal and ileo–caecal sphincters upon increased K in the nutrient solution. Papasova M, et al.
Acta Physiol Pharmacol Bulg 1980;6(2):41–9

The effect of certain electrolytes on neuromuscular transmission disturbances evoked by direct action of phospholine on synaptic structures. Raszewski W, et al.
Acta Physiol Pol 1981 Mar–Apr;32(2):227–31

Exocytosis of amine–storing granules from glomus cells of the rat carotid body induced by incubation in potassium–rich media or media containing calcium and ionophore A23187. Grönblad M, et al.
Adv Biochem Psychopharmacol 1980;25:227–33

Potassium–stimulated release of taurine, hypotaurine, and GABA from brain tissue in vitro. Oja SS, et al.
Adv Biochem Psychopharmacol 1981;29:175–81

Clinical effects of glucose–insulin–potassium on left ventricular function in acute myocardial infarction: results from a randomized clinical trial. Mantle JA, et al.
Am Heart J 1981 Sep;102(3 Pt 1):313–24

Extra–adrenergic mechanisms responsible for the effects of glucose–insulin–potassium solution on vulnerability to ventricular fibrillation. Brooks WW, et al.
Am J Cardiol 1981 Feb;47(2):251–7

Voltage dependence of rhythmic plateau potentials of pancreatic islet cells. Cook DL, et al. **Am J Physiol** 1981 Mar;240(3):E290–6

Effect of veratrine and 50 mM K on ileal transport and electrically induced secretion. Hubel KA. **Am J Physiol** 1981 Mar;240(3):G211–6

Isoproterenol–induced restoration of contraction in K+–depolarized hearts: relationship to cAMP. Ingebretsen WR Jr, et al. **Am J Physiol** 1981 Aug;241(2):H187–93

Effects of hyperkalemia and glycoside on thallium exchange in rabbit ventricle. Krivokapich J, et al. **Am J Physiol** 1981 Apr;240(4):H612–9

Myocardial protection from ischemic arrest: potassium and verapamil cardioplegia. Pinsky WW, et al.
Am J Physiol 1981 Mar;240(3):H326–35

Role of Ca2+ in response of adrenal glomerulosa cells to angiotensin II, ACTH, K+, and ouabain. Schiffrin EL, et al. **Am J Physiol** 1981 Jul;241(1):E42–6

Potassium–stimulated 45Ca2+ uptake by subcellular particles of pancreatic beta–cells. Sehlin J. **Am J Physiol** 1981 Jan; 240(1):C35–8

Steady–state effects of extracellular potassium concentration on vascular smooth muscle reactivity. Skaug N, et al.
Am J Physiol 1981 Aug;241(2):H217–23

K+ selectivity and HCl secretion in Xenopus and their relation to cAMP and Ba2+. Takeguchi N, et al.
Am J Physiol 1981 Apr;240(4):G331–7

Influence of extracellular K+ or Mg2+ on the stages of the antifungal effects of amphotericin B and filipin. Brajtburg J, et al. **Antimicrob Agents Chemother** 1980 Oct; 18(4):593–7

Effects of potassium and sodium ions on the killing action of a Pichia kluyveri toxin in cells of Saccharomyces cerevisiae. Middelbeek EJ, et al.
Antimicrob Agents Chemother 1980 Oct;18(4):519–24

The effect of high external K on the Na–activated fraction Ca efflux in goldfish ventricles. Busselen P.
Arch Int Pharmacodyn Ther 1981 Feb;249(2):309–11

Effects of halopemide on potassium–induced release of radiolabeled neurotransmitters from rat cerebrocortical slices in vitro. Loonen AJ, et al.
Arch Int Pharmacodyn Ther 1980 Sep;247(1):43–58

Comparison of effects of low temperature and metabolic inhibition on high–K induced contracture of vas deferens. Sunano S. **Arch Int Pharmacodyn Ther** 1980 Nov; 248(1):33–42

Mechanism of inhibition of contraction by high K, Na deficient solution in smooth muscle of guinea–pig taenia coli. Suzuki T, et al. **Arch Int Pharmacodyn Ther** 1980 Nov; 248(1):43–9

Substance P, bethanechol, 4–aminopyridine, and potassium antagonize the depressing effects of low–frequency stimulation, tetrodotoxin, procaine, and of magnesium on the field–stimulated guinea–pig vas deferens. Zetler G, et al. **Arch Int Pharmacodyn Ther** 1980 Nov;248(1):50–68

Interaction of a phosphorylated site of muscle phosphofructokinase with the activation of the enzyme by NH4+ and K+.1. Krystek E, et al.
Biochem Biophys Res Commun 1981 Apr 30;99(4):1138–45

Effects of chlordiazepoxide on depolarization–induced calcium influx into synaptosomes. Leslie SW, et al.
Biochem Pharmacol 1980 Sep 15;29(18):2439–43

Factors affecting the release of purines from mouse cerebral cortex: potassium removal and metabolic inhibitors. Lloyd HG, et al. **Biochem Pharmacol** 1981 Jun 1;30(11):1239–43

Effects of pentobarbital and Ca2+ on the resting and K+–stimulated release of several endogenous neurotransmitters from rat midbrain slices. Waller MB, et al. **Biochem Pharmacol** 1980 Aug 15;29(16):2189–98

Potassium– and calcium–induced alterations in lipid interactions of isolated plasma membranes from blastocladiella emersonii. Evidence for an adenosine 5'–triphosphate requirement. Leonards KS, et al.
Biochemistry 1981 Mar 31;20(7):1784–9

Electrochemical proton gradient across the cell membrane of Halobacterium halobium: effect of N,N'–dicyclohexylcarbodiimide, relation to intracellular adenosine triphosphate, adenosine diphosphate, and phosphate concentration, and influence of the potassium gradient. Michel H, et al. **Biochemistry** 1980 Sep 30; 19(20):4607–14

K+–induced alterations of energetics and exchange diffusion in the carrier–mediated transport of the folic acid analog, methotrexate, in Ehrlich ascites tumor cells. Fry DW, et al. **Biochim Biophys Acta** 1980 Dec 2;603(1):157–70

Phosphorylation and dephosphorylation of the Ca2+ pump of human red cells in the presence of monovalent cations. Larocca JN, et al. **Biochim Biophys Acta** 1981 Jul 6; 645(1):10–6

Effects of cations of the plasma membrane of Blastocladiella emersonii zoospores An ESR study. Leonards KS, et al.
Biochim Biophys Acta 1980 Aug 14;600(3):805–16

The effect of salt on the binding of the eucaryotic DNA nicking–closing enzyme to DNA and chromatin. McConaughy BL, et al. **Biochim Biophys Acta** 1981 Aug 27;655(1):1–8

Electrophysiology of phagocytic membranes. III. Evidence for a calcium–dependent potassium permeability change during slow hyperpolarizations of activated macrophages. Oliveira–Castro GM, et al. **Biochim Biophys Acta** 1981 Jan 22;640(2):500–11

The K+–dependent phosphatase of rat kidney. Its properties and the effects of maneuvers that modify (Na+ + K+)–ATPase activity. Rodriguez HJ, et al.
Biochim Biophys Acta 1981 Feb 20;641(1):36–54

The K+–and HCO3–stimulated phosphatase activities in renal microsomes of rats. Suketa Y, et al.
Biochim Biophys Acta 1981 Jan 21;672(2):142–50

A model for the effects of potential and external K+ concentration on the Cs+ blocking of inward rectification. Ciani S, et al. **Biophys J** 1980 Apr;30(1):199–204

Effect of transmembrane pH gradient changes on potassium–induced relaxation in vascular smooth muscle. Karaki H, et al. **Blood Vessels** 1981;18(1–2):36–44

Inhibitors of mitochondrial Ca++ uptake dissociate potassium–induced tension responses from increased 45Ca retention in rabbit aortic smooth muscle. Karaki H, et al.
Blood Vessels 1981;18(1–2):28–35

Interaction of calcium and potassium with neuromuscular blocking agents. Waud BE, et al. **Br J Anaesth** 1980 Sep; 52(9):863–6

Sodium and potassium intake and blood pressure [letter] Parfrey PS. **Br Med J** 1980 Sep 6;281(6241):678

Field potential induced by injection of potassium ion into the frog retina: a test of current interpretations of the electroretinographic (ERG) b–wave. Fujimoto M, et al.
Brain Res 1981 Jan 5;204(1):51–64

Caffeine blocks the delayed K+ outward current of molluscan neurons. Hermann A. **Brain Res** 1981 May 4; 211(2):480–4

Potassium stimulated 45Ca uptake by cortical slices of rat brain: effects of cyclic nucleotide derivatives. Ichida S, et al. **Brain Res** 1981 Jun 1;213(2):472–5

Ontogenetic development of high potassium– and acetylcholine–induced release of dopamine from striatal slices of the rat. Nomura Y, et al. **Brain Res** 1981 Apr; 227(2):171–7

Potassium–stimulated, calcium–dependent release of [3H]GABA from neuron– and glia–enriched cultures of cells dissociated from rat cerebellum. Pearce BR, et al.
Brain Res 1981 Feb 16;206(2):485–9

4–Aminopyridine does not increase m.e.p.p. frequencies at junctions depolarized by potassium. van der Kloot W, et al. **Brain Res** 1981 Apr 6;210(1–2):467–70

Interaction between amino acid induced and K+–induced depolarization of primary afferents in the bullfrog spinal cord. Shefner SA, et al. **Can J Physiol Pharmacol** 1980 Nov;58(11):1286–94

Contractile failure and recovery in rat hearts perfused with Na+– or K+–free medium. Singal PK, et al.
Can J Physiol Pharmacol 1980 May;58(5):463–8

Effect of ethanol on potassium–stimulated and electrically stimulated acetylcholine release in vitro from rat cortical slices. Sunahara GI, et al. **Can J Physiol Pharmacol** 1980 Jun;58(6):706–11

Dynamic inorganic ion–protein interactions in structural organization of DNA of living cell nuclei. Kellermayer M, et al. **Cancer Biochem Biophys** 1979;3(4):181–8

Inotropic actions of isoproterenol in cat ventricular muscle. Effects of extracellular potassium. Wiggins JR. **Circ Res** 1981 Sep;49(3):718–25

In vitro effects of E coli endotoxin on K+–activated para–nitrophenylphosphatase activity and ouabain binding in dog hearts. Onji T, et al. **Circ Shock** 1981;8(3):263–71

The effects of crystalloid potassium cardioplegic solution on arterialized canine vein grafts. Assessment of chronic prostacyclin production and histopathologic alterations. Hoover EL, et al. **Circulation** 1981 Aug;64(2 Pt 2):96–100

Effects of mexiletine on transmembrane action potentials as affected by external potassium concentration and by rate of stimulation in guinea–pig papillary muscles. Sada H, et al. **Clin Exp Pharmacol Physiol** 1980 Nov;7(6):583–93

Activation of potassium depolarized visceral muscles by proctolin ;and caffeine in the cockroach Leucophaea maderae. Cook BJ, et al. **Comp Biochem Physiol [C]** 1980; 67C(2):115–20

Calcium–dependent slow potassium conductance in rat skeletal myotubes. Barrett JN, et al. **Dev Biol** 1981 Mar; 82(2):258–66

The stimulus–secretion coupling of amino acid–induced insulin release. II. Sensitivity to K+, NH4+ and H+ of leucine–stimulated islets. Sener A, et al. **Diabete Metab** 1980 Jun;6(2):97–101

Potassium modification of the somatostatin effect on stimulated rat growth hormone release. Stachura ME.
Endocrinology 1981 Mar;108(3):1027–34

Effects of cations on brown adipose tissue in relation to possible metabolic consequences of membrane depolarisation. Nedergaard J. **Eur J Biochem** 1981; 114(1):159–67

Effect of removal and substitution of potassium ions on the adrenergic and cholinergic reactivity in canine femoral artery. De Mey J, et al. **Eur J Pharmacol** 1980 Oct 3; 67(1):159–64

Praziquantel, potassium and 2,4–dinitrophenol: analysis of their action on the musculature of Schistosoma mansoni. Fetterer RH, et al. **Eur J Pharmacol** 1980 May 30; 64(1):31–8

GABA and baclofen potentiate the K+–evoked release of methionine–enkephalin from rat striatal slices. Sawynok J, et al. **Eur J Pharmacol** 1981 Mar 12;70(2):103–10

Inhibitory effects of GABA, L–glutamic acid and nicotine on the potassium–evoked release of substance P in substantia nigra slices of the rat. Torrens Y, et al.
Eur J Pharmacol 1981 May 22;71(4):383–92

Kidney storage at subzero temperatures using a hyperosmolar perfusate. Grundmann R, et al. **Eur Surg Res** 1980; 12(3):208–18

Potassium–induced depolarization of the transmembrane potential in Blastocladiella emersonii zoospores precedes encystment. Jen CJ, et al. **Exp Cell Res** 1981 Jan; 131(1):79–87

Extracellular potassium can simulate the role of serum as an activator of uridine uptake by quiescent hamster cells in culture. Koren R, et al. **Exp Cell Res** 1981 Mar; 132(1):73–9

Effect of potassium and lithium ions on protein synthesis in the sea urchin embryo. Wolcott DL. **Exp Cell Res** 1981 Apr;132(2):464–7

The influence of external potassium ions upon lens conductance characteristics investigated using a voltage clamp technique. Delamere NA, et al. **Exp Eye Res** 1980 Dec;31(6):651–8

High–affinity uptake of [3H]taurine in isolated cat retinas: effects of Na+ and K+. Schmidt SY. **Exp Eye Res** 1980 Oct;31(4):373–9

May K+ ions stimulate the formation of cyclic AMP in the brain independently on their depolarizing action? Křivánek J. **Experientia** 1980 Oct 15;36(10):1185–6

Effect of potassium on isolated bovine facial and human saphenous veins. Nguyen DH, et al. **Experientia** 1980 Aug 15;36(8):975–6

Comparison between the effects of LH–RH and raised K+ concentration on release of LH from pituitary glands of female rats in vitro. de Koning J, et al. **FEBS Lett** 1981 Apr 20;126(2):199–202

Manganese–induced contraction in K+–depolarized rat uterine smooth muscle. Sakai K, et al. **Gen Pharmacol** 1981; 12(1):41–5

Glucose–insulin–potassium in acute myocardial infarction. Spence MI, et al. **Heart Lung** 1980 Sep–Oct;9(5):905–9

Potassium feeding reduces hyperactive central nervous system pressor responses in Dahl salt–sensitive rats. Goto A, et al. **Hypertension** 1981 May–Jun;3(3 Pt 2):I128–34

Some observations on the potassium–induced contracture in guinea–pig ureteric smooth muscle. Allen JM, et al.
Ir J Med Sci 1980 Nov;149(11):415–26

Monovalent cations requirement of the fructose 1,6–bisphosphate–activated pyruvate kinase from E. coli. Valentini G, et al. **Ital J Biochem** 1979 Sep–Oct; 28(5):345–61

K+–independent active transport of Na+ by the (Na+ and K+)–stimulated adenosine triphosphatase. Forgac M, et al. **J Biol Chem** 1981 Apr 25;256(8):3645–6

Regulation of development in Dictyostelium discoideum. IV. Effects of ions on the rate of differentiation and cellular response to cyclic AMP. Marin FT, et al. **J Cell Biol** 1980 Dec;87(3 Pt 1):823–7

Potassium and angiotensin II increase the concentrations of phosphatidic acid, phosphatidylinositol, and polyphosphoinositides in rat adrenal capsules in vitro. Farese RV, et al. **J Clin Invest** 1980 Dec;66(6):1428–31

Rapid method that aids in distinguishing Gram–positive from Gram–negative anaerobic bacteria. Halebian S, et al.
J Clin Microbiol 1981 Mar;13(3):444–8

Further studies on the stimulation of rat adrenal capsular cells: four types of response. Tait JF, et al.
J Endocrinol 1980 Oct;87(1):11–27

Kinetics and thermodynamics of ouabain binding by intact turkey erythrocytes: effects of external sodium ion, potassium ion, and temperature. Furukawa H, et al.
J Gen Physiol 1980 Oct;76(4):499–516

Potassium contractures and mechanical activation in mammalian skeletal muscles. Dulhunty AF.
J Membr Biol 1980 Dec 30;57(3):223–33

Stimulation by high external potassium of the sodium efflux in barnacle muscle fibers. Mason–Sharp D, et al.
J Membr Biol 1981 Feb 28;58(3):213–26

Sodium gradient– and sodium plus potassium gradient–dependent L–glutamate uptake in renal basolateral

membrane vesicles. Sacktor B, et al. **J Membr Biol** 1981 May 15;60(1):63–71

Kinetic characteristics of K+–activated para–nitrophenylphosphatase in isolated adult dog heart myocytes. Liu MS, et al. **J Mol Cell Cardiol** 1980 Dec; 12(12):1427–39

Calcium ion effects on the rising phases of action potentials obtained from guinea–pig papillary muscles at different potassium concentrations. Windisch H, et al. **J Mol Cell Cardiol** 1981 May;13(5):457–69

Potassium stimulated calcium dependent release of immunoreactive somatostatin from incubated rat hypothalamus. Berelowitz M, et al. **J Neurochem** 1978 Dec; 31(6):1537–9

Effect of changing potassium ion concentrations on rat cerebral slices in vitro: a study during development. Grisar T, et al. **J Neurochem** 1981 May;36(5):1853–7

The relationship between the stimulation of dopamine synthesis and release produced by amphetamine and high potassium in striatal slices. Schwarz RD, et al. **J Neurochem** 1980 Nov;35(5):1120–7

The morphological changes in unmyelinated peripheral nerve fibers exposed to low sodium and high potassium concentrations. Ho KC, et al. **J Neurol Sci** 1981 May; 50(2):229–38

Na+, K+–dependent ATPase activity and effect of K+ on in vitro protein synthesis and NAD pyrophosphorylase in Toxoplasma gondii. Takeuchi T, et al. **J Parasitol** 1980 Aug;66(4):591–5

Influence of calcium on noradrenaline release evoked by 5–hydroxytrypamine and potassium from goat pial arteries. Marin J, et al. **J Pharm Pharmacol** 1980 Sep;32(9):643–6

Potassium–induced release of [3H]catecholamine from brain: effects of pre–exposure to catecholamine uptake inhibitors. Dembiec D, et al. **J Pharmacol Exp Ther** 1981 Jun; 217(3):727–32

Effects of stimulatory agents on mobilization of high and low affinity site 45Ca in rabbit aortic smooth muscle. Karaki H, et al. **J Pharmacol Exp Ther** 1980 Jun; 213(3):450–5

Purine release from vascular adrenergic nerves by high potassium and a calcium ionophore, A–23187. Katsuragi T, et al. **J Pharmacol Exp Ther** 1980 Dec;215(3):685–90

Effects of changing external potassium and chloride concentrations on the photoresponses of Bufo bufo rods. Capovilla M, et al. **J Physiol (Lond)** 1980 Oct;307:529–51

Effect of D–600 on inhibition of in vitro renin release in the rat by high extracellular potassium and angiotensin II. Churchill PC. **J Physiol (Lond)** 1980 Jul;304:449–58

Re–evaluation of the 'contralateral' effects of sodium and potassium on sodium transport through toad skin. Isaacson LC. **J Physiol (Lond)** 1980 Aug;305:467–83

Comparative myocardial protection with calcium–free versus calcium–containing potassium cardioplegic solutions. Magee PG, et al. **J Surg Res** 1980 Aug;29(2):161–71

Myocardial glycogen and potassium cardioplegia [letter] Barner HB. **J Thorac Cardiovasc Surg** 1981 Jun;81(6):948

Reducing postischemic damage by temporary modification of reperfusate calcium, potassium, pH, and osmolarity. Follette DM, et al. **J Thorac Cardiovasc Surg** 1981 Aug; 82(2):221–38

Cold blood potassium cardioplegia. Effects of increasing concentrations of potassium. Jellinek M, et al. **J Thorac Cardiovasc Surg** 1981 Jul;82(1):26–37

Improved myocardial protection with nifedipine and potassium–based cardioplegia. Magovern GJ, et al. **J Thorac Cardiovasc Surg** 1981 Aug;82(2):239–44

Comparison of the effect of blood cardioplegia to crystalloid cardioplegia on myocardial contractility in man. Shapira N, et al. **J Thorac Cardiovasc Surg** 1980 Nov;80(5):647–55

A further study on constrictor responses of dog coronary arterial strips to acetylcholine under potassium–contracture. Sakanashi M, et al. **Jpn Heart J** 1981 Mar;22(2):211–7

Potassium–induced automaticity of isolated human renal artery. Ueda S, et al. **Jpn J Pharmacol** 1981 Feb;31(1):134–6

Influences of ionic environments on ACh–induced secretory responses in isolated perfused pancreas of rats. Habara Y. **Jpn J Physiol** 1980;30(4):561–74

The effect of diffusible ions on the peritubular membrane potential of proximal tubular cells in perfused bullfrog kidneys. Kubota T, et al. **Jpn J Physiol** 1980;30(5):775–90

Effects of estradiol–17 beta on the membrane response and K–contracture in the uterine longitudinal muscle of ovariectomized rats studied in combination with the Mn action. Ogasawara T, et al. **Jpn J Physiol** 1980;30(2):271–85

Biphasic potassium contractures in frog single twitch muscle fibers and effects of various agents on the contractures. Takauji M, et al. **Jpn J Physiol** 1980;30(2):205–18

Prostaglandin mediation of potassium effects on renin release. Lazar JD, et al. **Life Sci** 1980 Oct 6;27(14):1327–33

Reassessment of the electrophysiological effects of the antiarrhythmic agent quinidine in canine purkinje fibers. Wang CM, et al. **Life Sci** 1980 Aug 25;27(8):663–70

Effect of monovalent cations on the aggregation of tobacco mosaic virus by chondroitin sulfate. Sano Y, et al. **Microbiol Immunol** 1981;25(2):155–61

Effects of extracellular potassium and 4–aminopyridine on corticosteroid secretion. Lymangrover JR, et al. **Mol Cell Endocrinol** 1981 Mar;21(3):199–210

Calcium–dependent slow action potentials in potassium–depolarized guinea–pig ventricular myocardium enhanced by barium ions. Ehara T, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980;315(1):47–54

The use of the De Deckere–Ten Hoor preparation for study of nicotinic and potassium–evoked dopamine beta–hydroxylase release from the rabbit heart. Jilg B, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980; 315(2):139–46

Effects of tocainide and lidocaine on the transmembrane action potentials as related to external potassium and calcium concentrations in guinea–pig papillary muscles. Oshita S, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Oct;314(1):67–82

Differential effects of potassium on the potency of different opioids in the mouse vas deferens. Wüster M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980;315(2):181–4

Modulation of synaptic output by the transient outward potassium current in aplysia. Shimahara T. **Neurosci Lett** 1981 Jul 2;24(2):139–42

K+–evoked Caa+–dependent release of D–[3H]aspartate from terminals of the cortico–pontine pathway. Thangnipon W, et al. **Neurosci Lett** 1981 May 6;23(2):181–6

Inotropic effects of potassium rich solutions of frog cardiac muscles. Bonvallet R, et al. **Pfluegers Arch** 1981 Jun; 390(3):237–45

Cow ventricular muscle. I. The effect of the extracellular potassium concentration on the current–voltage relationship. II. Evidence for a time–dependent outward current. Boyett MR, et al. **Pfluegers Arch** 1980 Dec; 389(1):37–44

The effects of extracellular potassium, ouabain, and prostaglandins on intracellular potassium activity in sheep cardica Purkinje fibers. Wiederholt M, et al. **Pfluegers Arch** 1980 Nov;388(2):169–75

The effects of d–amphetamine and potassium on serotonin release and metabolism in rat cerebral cortex tissue. Homan HD, et al. **Res Commun Chem Pathol Pharmacol** 1981 Feb; 31(2):223–40

Effect of imipramine on high potassium evoked 3H–dopamine release in the rat striatum. Kamiya H, et al. **Res Commun Chem Pathol Pharmacol** 1981 Jul;33(1):49–60

Is there any benefit from adding single–dose cardioplegia to topical cooling of the ischaemic myocardium in aortic valve replacement operations? Jalonen J. **Scand J Thorac Cardiovasc Surg** 1981;15(1):75–81

Myelinated central vertebrate axon lacks voltage–sensitive potassium conductance. Kaars C, et al. **Science** 1981 May 29;212(4498):1063–5

Potassium reduction of lithium–induced histological changes of the rat kidney. Olesen OV, et al. **Toxicol Appl Pharmacol** 1980 Aug;55(1):79–84

Similar regulatory mechanism underlying 3H–noradrenaline release from isolated hypothalamus and perfused tail artery or the rat by Latrodectus antheratus (black widow spider) venom gland extract and by potassium. Pardal JF, et al. **Toxicon** 1981;19(2):249–54

[Effect of ionic composition of the medium on the cytochrome oxidase of brain of rats of different age (author's transl)] Koudelová J, et al. **Sb Lek** 1980; 82(11–12):346–51 (Eng. Abstr.) **(Cze)**

[Myocardial metabolism during coronary perfusion at 10 degrees C with or without cardioplegia associated with potassium] Mikaeloff P, et al. **Arch Mal Coeur** 1980 Sep; 73(9):1075–85 (Eng. Abstr.) **(Fre)**

[Effect of homologous n–alkanoic acids on the function of isolated skeletal muscles. V. Relations between twitch, tetanus and contracture] Kössler F, et al. **Acta Biol Med Ger** 1980;39(5):615–22 (Eng. Abstr.) **(Ger)**

[Cytological and karyological modifications of HeLa cells induced by periodic changes of extracellular potassium levels] Di Pisa G, et al. **Boll Soc Ital Biol Sper** 1980 Apr 30;56(8):775–80 (Eng. Abstr.) **(Ita)**

[Maximal response of the rat vas deferens. II. Studies on the effect of variations in external K+ and the response to noradrenaline of preparations which were depolarized and exposed to various concentrations of extracellular Ca+] Zonta F, et al. **Farmaco [Sci]** 1980 Dec;35(12):1005–14 (Eng. Abstr.) **(Ita)**

[Effect of potassium–based cardioplegic solutions and pharmacologic agents on normothermic ischemic myocardium (author's transl)] Shida H. **Nippon Kyobu Geka Gakkai Zasshi** 1980 Jul;28(7):1115–22 (Eng. Abstr.) **(Jpn)**

[Complex effect of K+ ions and viability inhibitors of tumor cells] Polivoda BI. **Biofizika** 1981 May–Jun;26(3):498–500 (Eng. Abstr.) **(Rus)**

[Effect of ionic composition of incubation medium on inhibition by levorin of amino acid transfer in Candida albicans] Obukhovskaia AS, et al. **Biokhimiia** 1980 Jul; 45(7):1201–7 (Eng. Abstr.) **(Rus)**

[Interaction of potassium and magnesium ions in the ATPase activity of heavy meromyosin] Petushkova EV, et al. **Biol Nauki** 1981;(1):18–21 **(Rus)**

[Potassium ion–stimulated rapid functional myelinization] Sotnikov OS, et al. **Dokl Akad Nauk SSSR** 1980; 255(4):986–8 **(Rus)**

[Comparison of the inotropic reactions of rat atria and ventricles to the action of calcium, sodium, and potassium ions] Gorbachev VV, et al. **Fiziol Zh SSSR** 1980 Aug; 66(8):1236–42 (Eng. Abstr.) **(Rus)**

[Effect of changes in the external concentration of sodium, chlorine, and potassium ions on subsequent depolarization of a single node of Ranvier of isolated nerve fibers] Katalymov LL. **Fiziol Zh SSSR** 1980 Aug;66(8):1187–92 (Eng. Abstr.) **(Rus)**

[Effect of noradrenaline and potassium ions on the electrical and contractile activity of coronary artery smooth muscle cells] Nikitina EI. **Fiziol Zh SSSR** 1980 Oct;66(10):1493–8 (Eng. Abstr.) **(Rus)**

[Effect of potassium ions on electrogenesis and contraction of ureter smooth muscle] Shuba MF, et al. **Fiziol Zh SSSR** 1980 Aug;66(8):1200–8 (Eng. Abstr.) **(Rus)**

[Physico–chemical principles for discrimination of sodium and potassium ions by membrane Na pumps. I. Effect of organic compounds on the ionic specificity of Na, K–ATPase] Tverdislov VA, et al. **Mol Biol (Mosk)** 1980 Nov–Dec;14(6):1362–71 (Eng. Abstr.) **(Rus)**

[Role of calcium and potassium in regulating prolactin and somatotropic hormone release in cell cultures of rat adenohypophysis] Gudoshnikov VI, et al. **Vopr Med Khim** 1980 Jul–Aug;26(4):525–8 (Eng. Abstr.) **(Rus)**

[Effect of 'potassium' selection of parental gametes on the viability and weight of the progeny of Salmo irideus trout] Ushakov VB, et al. **Zh Evol Biokhim Fiziol** 1980 Sep–Oct; 16(5):516–8 **(Rus)**

[Effect of sodium and potassium on cardiac infarct in rats] Guerra F, et al. **Arch Inst Cardiol Mex** 1981 Jan–Feb; 51(1):3–12 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Nature of cardiac arrhythmias and electrolyte disturbances. Role of potassium in atrial fibrillation. Olsson SB. **Acta Med Scand [Suppl]** 1981;647:33–7

Extrarenal potassium homeostasis. Bia MJ, et al. **Am J Physiol** 1981 Apr;240(4):F257–68 (146 ref.)

Effects of stimulation frequency on potassium activity and cell volume in cardiac tissue. Browning DJ, et al. **Am J Physiol** 1981 Jan;240(1):C39–55

Circulating catecholamines in control of renal electrolyte and water excretion. Johnson MD, et al. **Am J Physiol** 1981 Mar;240(3):F192–9

Hypothalamic stimulation and electrolyte excretion: a micropuncture study. Silva–Netto CR, et al. **Am J Physiol** 1980 Sep;239(3):F206–14

Penetration–induced hyperpolarization as evidence for Ca2+ activation of K+ conductance in isolated smooth muscle cells. Walsh JV Jr, et al. **Am J Physiol** 1980 Nov; 239(5):C182–9

Penicillin– and barium–induced epileptiform bursting in hippocampal neurons: actions on Ca++ and K+ potentials. Hotson JR, et al. **Ann Neurol** 1981 Jul;10(1):11–7

Severe hypokalemia induced by hemodialysis. Wiegand CF, et al. **Arch Intern Med** 1981 Feb;141(2):167–70

Wet fixation of potassium in an Iraqi soil, Ameriya silty clay loam. Naji T, et al. **Beitr Trop Landwirtsch Veterinaermed** 1980;18(2):107–15

Control of growth by intracellular potassium and sodium concentrations is relaxed in transformed 3T3 cells. Lubin M. **Biochem Biophys Res Commun** 1980 Dec 16; 97(3):1060–7

The contribution of increases in extracellular potassium to primary afferent depolarization in the bullfrog spinal cord. Shefner SA, et al. **Brain Res** 1981 Feb 2;205(2):321–35

On the theory of interfacial double–layer potential differences and periaxonal accumulation of potassium in squid giant axons. McIlroy DK. **Bull Math Biol** 1980;42(6):751–63

Intra– and extracellular K+ and Na+ activities and resting membrane potential in sheep cardiac purkinje strands. Sheu SS, et al. **Circ Res** 1980 Nov;47(5):692–700

Steroid hormone production by mammalian adrenocortical dispersed cells. Tait JF, et al. **Essays Biochem** 1980; 16:99–174 (273 ref.)

Effects of perhexiline on contractile response of rabbit aorta to norepinephrine and potassium. Oguro K, et al. **Eur J Pharmacol** 1980 Nov 7;68(1):61–4

Hippocampal excitability and changes in extracellular potassium. Hablitz JJ, et al. **Exp Neurol** 1981 Feb; 71(2):410–20

K+–induced ion and water movements in the frog spinal cord and filum terminale. Ritchie T, et al. **Exp Neurol** 1981 Feb;71(2):356–69

Longitudinal distribution of cochlear potentials and the K+ concentration in the endolymph after acoustic trauma. Syka J, et al. **Hear Res** 1981 Jul;4(3–4):287–98

Light peak of cat DC electroretinogram: not generated by a change in [K+]0. Steinberg RH, et al. **Invest Ophthalmol Vis Sci** 1981 Mar;20(3):415–8

Effects of starvation for potassium and other inorganic ions on protein degradation and ribonucleic acid synthesis in Escherichia coli. St. John AC, et al. **J Bacteriol** 1980 Sep; 143(3):1223–33

Effect of ouabain on growth regulation by serum components in Balb/c–3T3 cells: inhibition of entry into S phase by decreased protein synthesis. Frantz CN, et al. **J Cell Physiol** 1980 Dec;105(3):439–48

Repriming of delayed potassium conductance in frog skeletal muscle. Ballou EW. **J Exp Biol** 1980 Aug;87:217–28

Extracellular potassium in neuropile and nerve cell body region of the leech central nervous system. Schlue WR, et al. **J Exp Biol** 1980 Aug;87:23–43

The Cole–Moore effect in nodal membrane of the frog Rana ridibunda: evidence for fast and slow potassium channels.

Ilyin VI, et al. **J Membr Biol** 1980 Dec 30;57(3):179–93
Ion conductance and ion selectivity of potassium channels in snail neurones. Reuter H, et al. **J Membr Biol** 1980 Dec 15;57(2):103–18
Slow calcium and potassium currents across frog muscle membrane: measurements with a vaseline-gap technique. Almers W, et al. **J Physiol (Lond)** 1981 Mar;312:159–76
The contribution of potassium accumulation to outward currents in frog atrium. Brown H, et al. **J Physiol (Lond)** 1980 Sep;306:127–49
The tension–depolarization relationship of frog atrial trabeculae as determined by potassium contractures. Chapman RA, et al. **J Physiol (Lond)** 1981 Jan;310:97–115
The time course of potassium current following potassium accumulation in frog atrium: analytical solutions using a linear approximation. DiFrancesco D, et al. **J Physiol (Lond)** 1980 Sep;306:151–73
Intracellular potassium and sodium activities of chick ventricular muscle during embryonic development. Fozzard HA, et al. **J Physiol (Lond)** 1980 Sep;306:579–86
Potassium conductance and internal calcium accumulation in a molluscan neurone. Gorman AL, et al. **J Physiol (Lond)** 1980 Nov;308:287–313
Effect of temperature on the anomalous rectification of the membrane of the egg of the starfish, Mediaster aequalis. Hagiwara S, et al. **J Physiol (Lond)** 1980 Oct;307:517–27
Carbon dioxide, membrane potential and intracellular potassium activity in frog skeletal muscle. Huguenin F, et al. **J Physiol (Lond)** 1980 Jun;303:139–52
A study of pace-maker potential in rabbit sino–atrial node: measurement of potassium activity under voltage-clamp conditions. Maylie J, et al. **J Physiol (Lond)** 1981 Feb; 311:161–78
Potassium channels in the nodal membrane of rat myelinated fibres. Binah O, et al. **Nature** 1981 Apr 16; 290(5807):598–600
Monosynaptic muscarinic activation of K+ conductance underlies the slow inhibitory postsynaptic potential in sympathetic ganglia. Horn JP, et al. **Nature** 1981 Aug 13; 292(5824):625–7
Absence of potassium conductance in central myelinated axons. Kocsis JD, et al. **Nature** 1980 Sep 25;287(5780):348–9
Fluctuation of extracellular potassium and calcium in the cerebellar cortex related to climbing fiber activity. Stöckle H, et al. **Neuroscience** 1980;5(5):893–901
Separation of current induced by potassium accumulation from acetylcholine–induced relaxation current in the rabbit S–A node. DiFrancesco D, et al. **Pfluegers Arch** 1980 Sep; 387(2):83–90
Inhibition of transient outward current by intracellular ion substitution unmasks slow inward calcium current in cardiac Purkinje fibers. Marban E. **Pfluegers Arch** 1981 Apr;390(1):102–6
Effects of K–free solution on tension development and Na content in vascular smooth muscles isolated from guinea–pig, rat and rabbit. Ozaki H, et al. **Pfluegers Arch** 1981 Mar;389(3):189–93
Potassium current during the pacemaker depolarization in rabbit sinoatrial node cell. Yanagihara K, et al. **Pfluegers Arch** 1980 Dec;388(3):255–60
Apical K+ channels in frog skin (Rana temporaria): cation adsorption and voltage influence gating kinetics. Zeiske W, et al. **Pfluegers Arch** 1981 Apr;390(1):22–9
Analysis of the effects of changes in rate and rhythm upon electrical activity in the heart. Boyett MR, et al. **Prog Biophys Mol Biol** 1980;36(1):1–52 (224 ref.)
Viomycin–induced electrolyte abnormalities. Schwartz JS, et al. **Respiration** 1980:40(5):284–92
Epileptiform burst afterhyperolarization: calcium–dependent potassium potential in hippocampal CA1 pyramidal cells. Alger BE, et al. **Science** 1980 Dec 5;210(4474):1122–4
Synaptic excitation may activate a calcium–dependent potassium conductance in hippocampal pyramidal cells. Nicoll RA, et al. **Science** 1981 May 22;212(4497):957–9
[Mechanism of extra–renal transport of potassium] Fujimoto M, et al. **Nippon Rinsho** 1981 Feb;39(2):266–71 **(Jpn)**
[The renin–angiotensin–aldosterone system] Tamura Y, et al. **Nippon Rinsho** 1981 Feb;39(2):280–4 **(Jpn)**
[Relationship between synaptic facilitation and the potassium component of endplate currents] Krivoĭ II, et al. **Fiziol Zh SSSR** 1980 Oct;66(10):1563–5 **(Rus)**

POISONING

[Proof of fatal potassium poisoning] Erben J, et al. **Soud Lek** 1981 Jan;26(1):1–4 (Eng. Abstr.) **(Cze)**

RADIATION EFFECTS

[Relationship between photoinduced changes in the intercellular concentration of potassium ions and transretinal potential generation by the Muller cells of the retina] Bykov KA, et al. **Biofizika** 1981 Jan–Feb; 26(1):104–7 (Eng. Abstr.) **(Rus)**

SECRETION

Electrochemical driving forces for K+ secretion by rat paw eccrine sweat gland. Sato K. **Am J Physiol** 1980 Sep; 239(3):C90–7
Secretion of H+ and K+ by bullfrog gastric mucosa: characterization of K+ transport pathway. Sen PC, et al. **Am J Physiol** 1980 Dec;239(6):G485–92
Electrolyte intake, electrolyte excretion, and hypertension. Langford HG. **Heart Lung** 1981 Mar–Apr;10(2):269–74
Prolonged isometric exercise. Part 1: Effect on circulation and on renal excretion of sodium and potassium in mild essential hypertension. Parfrey PS, et al. **Hypertension** 1981 Mar–Apr;3(2):182–7
Prolonged isometric exercise. Part 2: Effect on circulation and on renal excretion of sodium and potassium in young males genetically predisposed to hypertension. Parfrey PS, et al. **Hypertension** 1981 Mar–Apr;3(2):188–91

THERAPEUTIC USE

Symptomatic diabetes mellitus cured by potassium and withdrawal of polythiazide in a hypokalemic hypertensive woman. Nilsson G. **Acta Med Scand** 1980;208(1–2):129–30
Potassium supplementation in the treatment of ventricular arrhythmias. Rowland E, et al. **Acta Med Scand [Suppl]** 1981;647:95–100
Nonrandomized matched pair analysis of intermittent ischemic arrest versus potassium crystalloid cardioplegia during myocardial revascularization. Roberts AJ, et al. **Ann Thorac Surg** 1981 Jun;31(6):502–11
Potassium phosphate and potassium chloride in the treatment of DKA [letter] Barsotti MM. **Diabetes Care** 1980 Jul–Aug; 3(4):569
Potassium replacement: when is it necessary? Lawson AA. **Drugs** 1981 May;21(5):354–61 (25 ref.)
Is potassium a necessary component of cardioplegic solutions? Grover FL, et al. **J Surg Res** 1980 Jul;29(1):62–70
Fluid and electrolyte therapy in diabetic ketoacidosis. Hamburger S. **Mo Med** 1981 Mar;78(3):126–9
Dietary effects on blood pressure. Heyden S, et al. **Nutr Metab** 1980;24 Suppl 1:50–64
Potassium supplements in elderly patients with cardiac failure. Lye M. **Practitioner** 1980 Dec;224(1350):1314–5
Preliminary clinical experience with cardioplegic solutions in open–heart surgery. Wong KM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1980 Jul;79(7):652–60
[Use of mannitol, hyaluronidase and glucose–insulin–potassium in the treatment of acute myocardial infarction (author's transl)] Hirzel HO. **Herz** 1981 Apr;6(2):98–106 (Eng. Abstr.) **(Ger)**
[Effect of a combination of cations on autonomic regulatory disorders. Results of clinical studies] Heinitz M. **ZFA (Stuttgart)** 1981 Mar 31;57(9):712–6 **(Ger)**
[Metabolic approach in the management of shock: GIK therapy and DBcAMP] Yoshitake J. **Nippon Rinsho** 1980; 38(4):1914–24 **(Jpn)**
[Oxidative phosphorylation in cardiac muscle mitochondria during combined treatment of experimental myocardial infarct with potassium orotate and hyperbaric oxygenation] Reznikov KM, et al. **Vopr Med Khim** 1981 Jan–Feb; 27(1):31–5 (Eng. Abstr.) **(Rus)**
[Is supplementary potassium necessary in diuretic therapy?] Dyckner T, et al. **Lakartidningen** 1980 Jul 23; 77(30–31):2627–30 (Eng. Abstr.) **(Swe)**

TOXICITY

Fructose–1, 6–diphosphate dependence on the toxicity and uptake of potassium ions. Cattani L, et al. **Agressologie** 1980; 21(5):263–4
Toxic synergism of disopyramide and hyperkalemia. Maddux BD, et al. **Chest** 1980 Oct;78(4):654–6

URINE

Effect of prolactin inhibition under heat exposure on water intake and excretion of urine, sodium and potassium in bulls. Schams D, et al. **Acta Endocrinol (Copenh)** 1980 Jul; 94(3):315–20
Influence of triamterene and hydroxytriamterene sulfuric acid ester on diuresis and saluresis in rats after oral and intravenous application. Leilich G, et al. **Arzneimittelforsch** 1980;30(6):949–53
Are ultradian and circadian rhythms in renal potassium excretion related? Kass DA, et al. **Chronobiologia** 1980 Jul–Sep;7(3):343–55
Effect of inheritance and stress on the diurnal excretion of sodium and potassium in young people with and without a family history of hypertension. Parfrey PS, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:161s–164s
Acute effect of furosemide on Na and K excretion fractions in patients with allotransplanted kidney. Stříbrná J, et al. **Int J Clin Pharmacol Ther Toxicol** 1981 Mar;19(3):124–6
Sodium and potassium excretion in a sample of normotensive and hypertensive persons in eastern Finland. Tuomilehto J, et al. **J Epidemiol Community Health** 1980 Sep; 34(3):174–8
6 beta–hydroxy–4–androstene–3,17–dione: a potent amplifier of the kaliuretic action of aldosterone. Sekihara H, et al. **J Steroid Biochem** 1981 Apr;14(4):327–9
Spot urinary electrolyte concentrations and 24 hour excretion [letter] Milne FJ, et al. **Lancet** 1980 Nov 22;2(8204):1135
Interaction between the lateral hypothalamic area (LHA) and the medial septal area (MSA) in the control of sodium and potassium excretion in rats. Franci CR, et al. **Physiol Behav** 1980 Dec;25(6):801–6
Influence of indomethacin on cation excretion after acute unilateral nephrectomy in dogs. Hartupee DA, et al. **Prostaglandins Med** 1980 Oct;5(4):243–53
Extreme potassium loss in a patient with severe graft versus host disease. Tricot GJ, et al. **Scand J Haematol** 1980 Sep; 25(3):264–7
An association between the renin angiotensin system, blood pressure and potassium intake. Walker WG, et al. **Trans Am Clin Climatol Assoc** 1979;91:107–14
[Effect of the time of administration of theophylline on the excretion of water, electrolytes and proteins in the rat] Cambar J, et al. **J Urol Nephrol (Paris)** 1979 Dec; 85(12):859–62 **(Fre)**
[Ion–selective electrodes for determination of urine electrolytes (author's transl)] Keller H, et al. **Biomed Tech (Berlin)** 1980 Mar;25(3):42–7 (Eng. Abstr.) **(Ger)**
[Kallikrein and electrolyte excretion in essential hypertension] Feltkamp H, et al. **Med Welt** 1980 Aug 8; 31(31–32):1133–4 **(Ger)**
[Relation of sodium and potassium excretion and catecholamine metabolism in essential arterial hypertension] Pirrelli A, et al. **Boll Soc Ital Cardiol** 1980; 25(2):173–7 (Eng. Abstr.) **(Ita)**
[Influence of endogenous hyperprolactinemia induced with administration of fluphenazine decanoate on urinary excretion of sodium and potassium] Spallone L, et al. **Clin Ter** 1980 Feb 29;92(4):389–97 (Eng. Abstr.) **(Ita)**
[Effect of ouabain on urinary output of potassium in rats loaded with NaCl (author's transl)] Monma Y, et al. **Nippon Yakurigaku Zasshi** 1980 May;76(4):265–70 (Eng. Abstr.) **(Jpn)**
[Renal excretion of electrolytes, water and digoxin before and after correction of mitral valve defects] Bakaev VV, et al. **Vrach Delo** 1981 Jan;(1):90–1 **(Rus)**
[Renal excretion of urea and electrolytes in sheep after extracellular fluid expansion with an isotonic solution of sodium chloride] Szanyiová M, et al. **Vet Med (Praha)** 1980; 25(10):615–20 (Eng. Abstr.) **(Slo)**

POTASSIUM CHANNELS see ION CHANNELS

POTASSIUM CHLORIDE

Potassium and palatability [letter] Benians RG. **Lancet** 1980 Dec 13;2(8207):1300

ADMINISTRATION & DOSAGE

Glucose insulin potassium (GIK) in treatment of congestive cardiomyopathy. Gwata T, et al. **Cent Afr J Med** 1980 Dec;26(12):249–50
Incomplete mixing of drugs in intravenous infusions. Thompson WL, et al. **Crit Care Med** 1980 Nov;8(11):603–7
Bioavailability and pharmacokinetics of a new, slow–release potassium chloride capsule. Arnold J, et al. **J Pharm Sci** 1980 Dec;69(12):1416–8
Preparation and release characteristics of potassium chloride microcapsules. Harris MS. **J Pharm Sci** 1981 Apr; 70(4):391–4
Oxprenolol slow–release with cyclopenthiazide KCl in the treatment of essential hypertension. A multicentre general practice study. Levenstein JH. **S Afr Med J** 1981 Jun 13; 59(25):893–9
[Study on myocardial protection in open heart surgery. (2) Clinical study (author's transl)] Iida Y. **Nippon Kyobu Geka Gakkai Zasshi** 1980 Jul;28(7):1148–61 (Eng. Abstr.) **(Jpn)**
[Critical analysis and results of cardioplegia as a method of myocardial preservation] Lucchesee FA, et al. **Arq Bras Cardiol** 1980 Jul;35(1):81–6 **(Por)**

ADVERSE EFFECTS

Ulceration and stricture of the esophagus due to oral potassium chloride (slow release tablet) therapy. Lambert JR, et al. **Am J Gastroenterol** 1980 Jun;73(6):508–11
Potassium chloride and thromboembolic complications: a hypothesis [letter] Messerli FH, et al. **Lancet** 1980 Oct 25; 2(8200):919–20
Potassium and palatability [letter] Smith J. **Lancet** 1980 Nov 22;2(8204):1135
[The hemorrhagic infarction of the cecum. A complication after the intake of potassium–chloride tablets (author's transl)] Waninger J. **Z Gastroenterol** 1980 Sep;18(9):470–3 (Eng. Abstr.) **(Ger)**

ANALYSIS

Densities, viscosities and refractive indexes of ethylene glycol solutions and Tris–Mg(II)–KCl buffers. Owens DP, et al. **Biochem Biophys Res Commun** 1980 Sep 30;96(2):685–91
[Hygienic evaluation of potassium chloride manufacture as a source of water reservoir pollution] Shipilov AA. **Gig Sanit** 1980 Dec;(12):63–4 **(Rus)**

ANTAGONISTS & INHIBITORS

Relaxin inhibition of KCl–induced uterine contractions in vitro: an alternative bioassay. St–Louis J. **Can J Physiol Pharmacol** 1981 May;59(5):507–12

BLOOD

The relationship between cell injury and osmotic volume reduction: II. Red cell lysis correlates with cell volume rather than intracellular salt concentration. Williams RJ, et al. **Cryobiology** 1980 Dec;17(6):530–9

DIAGNOSTIC USE

Plasma aldosterone response to angiotensin II and potassium

chloride infusions in hypopituitary patients. López JM, et al. **Clin Endocrinol (Oxf)** 1980 Oct;13(4):331–7

METABOLISM

Potassium chloride cotransport in steady-state ascites tumor cells. Does bumetanide inhibit? Aull F. **Biochim Biophys Acta** 1981 May 6;643(2):339–45

PHARMACODYNAMICS

Inhibitory effect of potassium on blood pressure in DOCA salt hypertension in rats. Suzuki H, et al. **Acta Endocrinol (Copenh)** 1981 Aug;97(4):525–32

Role of glucose or potassium lack in nerve block. Fink BR, et al. **Anesthesiology** 1981 Aug;55(2):172–5

Intramyocardial electrical and metabolic activity during hypothermia and potassium cardioplegia. Brandt B 3d, et al. **Ann Thorac Surg** 1981 Feb;31(2):117–20

Inhibition of contraction by swelling of vascular smooth muscle in high KCl, low Na solution. Suzuki T, et al. **Arch Int Pharmacodyn Ther** 1981 Apr;250(2):195–203

Effects of pyrophosphate, triphosphate, and potassium chloride on adenylate deaminase from rat muscle. Wheeler TJ, et al. **Biochemistry** 1980 Sep 30;19(20):4564–7

The hamster adipocyte adenylate cyclase system. II. Regulation of enzyme stimulation and inhibition by monovalent cations. Aktories K, et al. **Biochim Biophys Acta** 1981 Aug 5;676(1):59–67

Effects of nerve stimulation and of administration of noradrenaline or potassium chloride upon the release of prostaglandins, I2, E2, and F2 alpha from te perfused mesenteric arterial bed of the rabbit. Pipili E, et al. **Br J Pharmacol** 1981 Jan;72(1):89–93

Sodium and potassium intake and blood pressure. Burstyn P, et al. **Br Med J** 1980 Aug 23;281(6239):537–9

Oxygen consumption of the nonworking and potassium chloride–arrested dog heart. Gibbs CL, et al. **Circ Res** 1980 Sep;47(3):408–17

Vascular responsiveness to norepinephrine, serotonin, and potassium chloride in veins from spontaneously hypertensive and age-matched Wistar Kyoto rats. Cohen ML, et al. **Clin Exp Hypertens** 1979;1(6):761–78

Haemodynamic effects of increasing extracellular potassium concentration in ACTH-induced hypertension in sheep. Scoggins BA, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:373s–376s

Plasma aldosterone and corticosterone responses to adrenocorticotropin, angiotensin, potassium, and stress in spontaneously hypertensive rats. Sowers J, et al. **Endocrinology** 1981 Apr;108(4):1216–21

Effect of severe hypoxia on the pulmonary vascular response to vasoconstrictor agents. Harabin AL, et al. **J Appl Physiol** 1981 Mar;50(3):561–5

Effect of carbachol and 56 mm-potassium chloride on the cyclic AMP-mediated induction of tyrosine hydroxylase in neuroblastoma cells in culture. Tank AW, et al. **J Neurochem** 1981 Feb;36(2):518–31

Comparison of degree of dependence of canine renal arteries and veins on high and low affinity calcium for responses to norepinephrine and potassium. Hester RK, et al. **J Pharmacol Exp Ther** 1981 Feb;216(2):239–46

Effect of genetic differences on K+-induced metabolic changes in allogeneic murine brain cortical cells incubated in vitro. Kovářu H. **Med Biol** 1980 Oct;58(5):273–80

Potassium chloride versus voltage clamp contractures in ventricular muscle. Morad M, et al. **Science** 198 Jan 30; 211(4481):485–7

[Change in the state of a lecithin molecular layer at the heptane-aqueous KCl solutions interface on the introduction of the ionophore, valinomycin] Shliakhter TA, et al. **Tsitologiia** 1980 Oct;22(10):1193–9 (Eng. Abstr.) **(Rus)**

POISONING

Rapid poisoning with slow-release potassium. Illingworth RN, et al. **Br Med J** 1980 Aug 16;281(6238):485–6

[Acute poisoning by potassium tablets] Andersen NS. **Ugeskr Laeger** 1980 Sep 15;142(38):2487 (Eng. Abstr.) **(Dan)**

THERAPEUTIC USE

Potassium phosphate and potassium chloride in the treatment of DKA [letter] Barsotti MM. **Diabetes Care** 1980 Jul–Aug; 3(4):569

Klotrix and other slow-release potassium tablets. **Med Lett Drugs Ther** 1981 Jan 9;23(1):3–4

URINE

Renal clearance of magnesium in sheep given citric acid and(or) potassium chloride. DeGregorio RM, et al. **J Anim Sci** 1981 Apr;52(4):895–901

POTASSIUM CYANIDE see under **CYANIDES**

POTASSIUM DEFICIENCY

CHEMICALLY INDUCED

Errors and misconceptions in drug prescribing. Beeley L. **J R Coll Physicians Lond** 1980 Jan;14(1):58–64

COMPLICATIONS

[Kaliopenic normokalemic tetraplegia (letter)] Zazzo JF, et al. **Nouv Presse Med** 1981 Jun 27;10(28):2374 **(Fre)**

DIAGNOSIS

Potassium depletion in aged patients: an evaluation through red-blood-cell potassium determination. Sangiorgi GB, et al. **Age Ageing** 1979 Aug;8(3):190–5

DRUG THERAPY

Potassium replacement: when is it necessary? Lawson AA. **Drugs** 1981 May;21(5):354–61 (25 ref.)

[Treatment of a potassium deficiency in the body] Shul'tsev GP, et al. **Klin Med (Mosk)** 1980;58(11):10–4 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Potassium deficiency enhances the effect of thyroid hormone on NaK-ATPase in liver and kidney. Shishiba Y, et al. **Endocrinol Jpn** 1980 Jun;27(3):329–36

METABOLISM

Stimulation of the conversion of corticosterone to aldosterone by sodium and water depletion of potassium-deficient rats. Comparison of different experimental procedures. Haldy P, et al. **Acta Endocrinol (Copenh)** 1981 Apr;96(4):519–26

Thromboxane B2 and prostaglandin E2 in the K+-depleted rat kidney. Beck N, et al. **Am J Physiol** 1981 Feb; 240(2):F151–7

Basic amino acid accumulation in potassium-depleted rat muscle. Arnauld J, et al. **J Nutr** 1980 Dec;110(12):2480–9

Effects of moderate short-term potassium depletion in normal humans. The role of prostaglandins. Düsing R, et al. **Prostaglandins** 1980 Dec;20(6):971–9

PATHOLOGY

Experimental potassium depletion myopathy. Corbett AJ, et al. **J Neurol Sci** 1981 Feb;49(2):193–206

PHYSIOPATHOLOGY

Effect of potassium depletion on gentamicin nephrotoxicity. Brinker KR, et al. **J Lab Clin Med** 1981 Aug;98(2):292–301

POTASSIUM DICHROMATE see under **CHROMATES**

POTASSIUM IODIDE

Concentration-dependent influence of various cytochalasins and chaetoglobosins on the phalloidin-induced polymerization of G-actin in 0.6 M potassium iodide. Wieland T, et al. **Biochemistry** 1980 Jul 8;19(14):3363–7

ADMINISTRATION & DOSAGE

Subcutaneous phycomycosis in Sierra Leone. Kelly S, et al. **Trans R Soc Trop Med Hyg** 1980;74(3):396–7

ADVERSE EFFECTS

Pulmonary edema and iododerma induced by potassium iodide in the treatment of asthma. Huang TY, et al. **Ann Allergy** 1981 May;46(5):264–6

Iodine treatment of iodine-induced thyrotoxicosis. Boehm TM, et al. **J Endocrinol Invest** 1980 Oct-Dec;3(4):419–24

DIAGNOSTIC USE

The potassium iodide patch test in the dermatitis herpetiformis in relation to treatment with a gluten-free diet and dapsone. Haffenden GP, et al. **Br J Dermatol** 1980 Sep;103(3):313–7

Optimum energy for performing CT iodinated constrast studies. Keller MR, et al. **Br J Radiol** 1980 Jun; 53(630):576–9

PHARMACODYNAMICS

Photodegradation of DNA with fluorescent light in the presence of riboflavin, and photoprotection by flavin triplet-state quenchers. Korycka-Dahl M, et al. **Biochim Biophys Acta** 1980 Dec 11;610(2):229–34

SUPPLY & DISTRIBUTION

Resolution concerning the stockpiling of potassium iodide in New York City in the event of a nuclear accident. The Committee on Public Health, The New York Academy of Medicine. **Bull NY Acad Med** 1981 Jun;57(5):395–9

THERAPEUTIC USE

Potassium iodide in the treatment of erythema nodosum and nodular vasculitis. Horio T, et al. **Arch Dermatol** 1981 Jan; 117(1):29–31

Iodide. Waterfall WK. **Br Med J** 1980 Oct 11; 281(6246):988–9

Potassium iodide in the treatment of sarcoidosis [letter] Graham N, et al. **Can Med Assoc J** 1981 Jan 15;124(2):124–6

A time to abandon the use of iodides in the management of pulmonary diseases. Hendeles L, et al. **J Allergy Clin Immunol** 1980 Sep;66(3):177–8

[Histometric studies of thyroid glands of swine with treated and untreated strumata with special reference to the importance of morphological findings for the assessment of thyroid function] Seffner W, et al. **Arch Exp Veterinaermed** 1979;33(6):861–7 (Eng. Abstr.) **(Ger)**

POTASSIUM MAGNESIUM ASPARTATE see under **ASPARTIC ACID**

POTASSIUM PERMANGANATE

Amyloid in a patient with Reiter's syndrome – secondary or coincidental? Differentiation with potassium permanganate. Mahowald ML, et al. **J Rheumatol** 1980 Nov-Dec;7(6):903–6

ADVERSE EFFECTS

Potassium permanganate toxicity [letter] Cowie RL, et al. **S Afr Med J** 1981 Aug 22;60(8):304

ANTAGONISTS & INHIBITORS

[Effect of pyocyanin on the intensity of KMnO4-induced protein chemiluminescence] Ushakova NA, et al. **Mikrobiologiia** 1980 Sep-Oct;49(5):833–5 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Observations on the ultrastructural localization of monoamines with permanganate fixation. Kanerva L, et al. **Adv Biochem Psychopharmacol** 1980;25:279–85

PHARMACODYNAMICS

Kinetics and mechanism of inhibition of Escherichia coli alkaline phosphatase by permanganate ion. Thomas RA, et al. **Biochemistry** 1980 Nov 11;19(23):5328–34

[KMnO4-induced change in the chemiluminescence of Pseudomonas aeruginosa cells after their preliminary interaction with pyocyanine] Gusev MV, et al. **Mikrobiologiia** 1980 Nov-Dec;49(6):911–8 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Potassium permanganate enemas [letter] van Zyl JB. **S Afr Med J** 1981 May 30;59(23):816

POTASSIUM RADIOISOTOPES

Production of 7.6-minute potassium-38 for medical use. Tilbury RS, et al. **J Nucl Med** 1980 Sep;21(9):867–71

ANALYSIS

Radioactivity content of books. Lalit BY, et al. **Health Phys** 1981 May;40(5):731–5

DIAGNOSTIC USE

Comparison of myocardial potassium and thallium flux as studied by tracer methods. Nitsch J, et al. **Clin Cardiol** 1980 Jun;3(3):188–91

Creatinine production rate measured by whole body counting of 40K. Hankins DA, et al. **Int J Artif Organs** 1981 Jan; 4(1):31–4

Analysis of tissue extraction and radiopotassium analogues and 13N-ammonia. Spencer RP. **Int J Nucl Med Biol** 1980; 7(4):327–32

METABOLISM

Effects of exercise on kinetics and distribution of K-43 and Tl-201 in isolated myocardium: concise communication. Llaurado JG, et al. **J Nucl Med** 1981 May;22(5):441–6

Differences between 201Tl and 43K tissue distribution in rested and exercises rats. Llaurado JG, et al. **Nuklearmedizin** 1981 Feb;20(1):40–5

POTENTIOMETRY

Kinetic potentiometric determination of creatinine in serum with a picrate ion-selective membrane electrode. Diamandis EP, et al. **Clin Chem** 1981 Mar;27(3):455–7

INSTRUMENTATION

[A linear displacement transducer by means of photo-potentiometer (author's transl)] Hatakeyama I, et al. **Iyodenshi To Seitai Kogaku** 1980 Jun;18(3):222–3 **(Jpn)**

METHODS

More on direct potentiometry--the ion-selective electrode vs flame photometry [letter] Czaban JD, et al. **Clin Chem** 1980 Dec;26(13):1921–4

Use of solid phase biochemistry for potentiometric enzyme immunoassay of oestradiol-17 beta - preliminary report. Boitieux JL, et al. **Clin Chim Acta** 1981 Jun 18; 113(2):175–82

[Application of equilibrium reactions in potentiometric analysis. II. Determination of weak bases in aqueous solutions] Pethő G, et al. **Acta Pharm Hung** 1981 Mar; 51(2):61–5 (Eng. Abstr.) **(Hun)**

[Potentiometric titration in biological studies] Kholodova IuD, et al. **Tsitologiia** 1980 May;22(5):499–513 (104 ref.)

(Eng. Abstr.) **(Rus)**

[Selective electrochemical method of quantitative determination of chlorides in biological material] Kačmár P, et al. **Vet Med (Praha)** 1980;25(12):743–8 (Eng. Abstr.) **(Slo)**

POTTOS see **LORISIDAE**

POULTRY

Serologic evidence of avian adeno-associated virus infection in an unselected human population and among poultry workers. Yates VJ, et al. **Am J Epidemiol** 1981 May; 113(5):542–5

Therapeutic efficacy of chicken soup [letter] Rosner F. **Chest** 1980 Oct;78(4):672–4

Human salmonella infection from poultry. Foley BV, et al. **Ir Med J** 1980 Mar;73(3):123–4

Poultry slaughter [letter] Brown RH, et al. **Vet Rec** 1981 Feb 21;108(8):171–2

Observations on poultry slaughter. Heath GB, et al. **Vet Rec** 1981 Jan 31;108(5):97–9

Husbandry, nutrition, and diseases of backyard poultry. Olsen DE, et al. **VM SAC** 1980 Aug;75(8):1313–6

[On the development of carcasses disposal in Israel paying particular attention to the industrial slaughtering of poultry (author's transl)] Aharoni C, et al. **Zentralbl Bakteriol [B]** 1980 Mar;170(3–4):247–9 (Eng. Abstr.) **(Ger)**

[Industrial hygiene problems in modern poultry raising] Borisenko NF, et al. **Gig Sanit** 1980 Aug;(8):73–4 **(Rus)**

[Sanitary microbiological aspects of environmental protection in the areas around poultry-processing factories] Vlodavets VV, et al. **Gig Sanit** 1980 Sep;(9):71–3 (16 ref.) **(Rus)**

[Effect of working conditions on the state of health of women workers in poultry-raising complexes] Veremiĭ AA. **Vrach Delo** 1980 Aug;(8):100–2 **(Rus)**

ANATOMY & HISTOLOGY

Fine structure of the paraventricular magnocellular neurons in the domestic fowl. Panzica CV. **Boll Soc Ital Biol Sper** 1979 Sep 30;55(18):1909–14

Morphometric study of the avian adrenal gland. Aire TA. **J Anat** 1980 Aug;131(1):19–23

BLOOD

Cryopreservation of hen red blood cells. Myhrvold V. **Acta Vet Scand** 1980;21(4):498–503

Plasma glucose and alkaline phosphatase levels in guinea-fowls (Numida meleagris) and Nigerian domestic fowls (Gallus domesticus). Olowookorun MO, et al. **Zentralbl Veterinaermed [A]** 1980;27(7):578–82

GENETICS

Mapping of the genes for pea comb, blue egg, barring, silver, and blood groups A, E, H, and P in the domestic fowl. Bitgood JJ, et al. **Poult Sci** 1980 AUG;59(8):1686–93

METABOLISM

Influence of calcium depletion on medullary bone of laying hens. de Bernard B, et al. **Calcif Tissue Int** 1980;32(3):221–8

MICROBIOLOGY

A study on bacteriocin typing of avian strains of Pasteurella multocida. Mushin R. **J Hyg (Lond)** 1980 Aug;85(1):59–63

The status of Salmonella in dressed poultry and pork products. Green SS. **Proc Annu Meet US Anim Health Assoc** 1979;(83):410–8

Isolation of ortho- and paramyxoviruses from domestic poultry in Hong Kong between November 1977 and October 1978 and comparison with isolations made in the preceding two years. Shortridge KF. **Res Vet Sci** 1980 May;28(3):296–301

Keratinophilic fungi from Orissa, India, II: Isolations from feathers of wild birds and domestic fowls. Sur B, et al. **Sabouraudia** 1980 Dec;18(4):275–80

[Drug resistance of Salmonella strains isolated from poultry] Giurov B. **Vet Med Nauki** 1980;17(6–7):38–43 (Eng. Abstr.) **(Bul)**

[Airborne bacterial flora on various poultry farms and processing plants] Dutkiewicz J. **Z Gesamte Hyg** 1980; 26(1):45–53 (Eng. Abstr.) **(Ger)**

[Phage-typing of staphylococcus aureus from slaughtered poultry (author's transl)] Hentschel S, et al. **Zentralbl Bakteriol [B]** 1980;170(5–6):492–501 (Eng. Abstr.) **(Ger)**

PARASITOLOGY

The anticoccidial efficacy of arprinocid in broiler chickens under floor pen conditions. Schröder J, et al. **J S Afr Vet Assoc** 1980 Mar;51(1):59–61

Bionomics and health importance of fowl tick Argas (Persicargas) persicus (Oken, 1818) (Ixodoidea: ARgasidae). Nosek J, et al. **Z Parasitenkd** 1980; 63(3):209–12

POULTRY DISEASES

Streptocara infestation of ducks [letter] Dalton PJ. **Vet Rec** 1980 Oct 18;107(16):384

Ascites in broilers [letter] Maclachlan GK, et al. **Vet Rec** 1981 Jan 17;108(3):62

[Staphylococcus aureus infection in chickens in industrialized poultry units. I. Manifestations of Staphylococcus aureus infection in chickens] Bergmann V, et al. **Arch Exp Veterinaermed** 1980;34(6):891–903 (Eng. Abstr.) **(Ger)**

[Staphylococcus aureus infections in domestic fowls. 1. Ecology and epizootiology. (Review)] Hummel R, et al. **Arch Exp Veterinaermed** 1979;33(6):831–5 (0 ref.) (Eng. Abstr.) **(Ger)**

[Opisthotonic Syndrome in broilers (author's transl)] Wegner W, et al. **DTW** 1981 Jan 5;88(1):32 (Eng. Abstr.) **(Ger)**

BLOOD

An age-related coagulation disorder associated with experimental infection with infectious bursal disease virus. Skeeles JK, et al. **Am J Vet Res** 1980 Sep;41(9):1458–61

Influence of some coccidiostatics on blood carotenoids and fatty acids in coccidiosis affected chicken. Suteu E, et al. **Arch Exp Veterinaermed** 1981;35(2):231–4

Field rickets in turkey poults: biochemical findings. Olson WG, et al. **Avian Dis** 1981 Apr–Jun;25(2):550–4

Chemical studies of the blood, and histological studies of the heart of broiler chickens dying from acute death syndrome. Riddell C, et al. **Avian Dis** 1980 Jul–Sep; 24(3):751–7

Plasma corticosterone concentrations in turkeys inoculated with Pasteurella multocida and maintained at high and low environmental temperatures. Simensen E, et al. **Avian Dis** 1980 Oct–Dec;24(4):833–43

Coccidiosis: localization of lymphoblasts in the infected small intestine. Rose ME, et al. **Parasite Immunol** 1980 Autumn; 2(3):189–99

An observation of abnormally high calcium and phosphorus levels in laying hens with fatty liver syndrome. Mile RD, et al. **Poult Sci** 1981 Feb;60(2):485–6

The effects of chronic handling on the incidence of leg abnormalities and several blood parameters in turkeys. Pierson FW, et al. **Poult Sci** 1981 Jun;60(6):1333–9

Plasma free hydroxyproline, growth, and sexual maturity in the scoliotic chicken. Lin HJ, et al. **Proc Soc Exp Biol Med** 1980 Nov;165(2):345–8

Production of Heinz body anaemia in the domestic fowl after ingestion of dimethyl disulphide: a haematological and ultrastructural study. Maxwell MH. **Res Vet Sci** 1981 Mar; 30(2):233–8

Eosinophilia associated with facial oedema in fowls. Maxwell MH, et al. **Vet Rec** 1979 Sep 8;105(10):232–3

Osmotic erythrocytic fragility in Borrella anseria infected normal and dwarf chickens. Soni JL, et al. **Zentralbl Veterinaermed [B]** 1980;27(8):616–21

CHEMICALLY INDUCED

Induction of lesions of selenium-vitamin E deficiency in ducklings fed silver, copper, cobalt, tellurium, cadmium, or zinc: protection by selenium or vitamin E supplements. Van Vleet JF, et al. **Am J Vet Res** 1981 Jul;42(7):1206–17

The production of cardiomyopathy in turkey poults by the oral administration of furazolidone. Good AL, et al. **Avian Dis** 1980 Oct–Dec;24(4):980–8

Monensin toxicity in chickens. Howell J, et al. **Avian Dis** 1980 Oct–Dec;24(4):1050–3

Feather lesions in cyclophosphamide-treated chickens. Ratnamohan N. **Avian Dis** 1981 Apr–Jun;25(2):534–7

Induction of fatty liver-hemorrhagic syndrome in laying hens by exogenous beta-estradiol. Stake PE, et al. **Avian Dis** 1981 Apr–Jun;25(2):410–22

Ethylene glycol intoxication in ducks. Stowe CM, et al. **Avian Dis** 1981 Apr–Jun;25(2):538–41

Monensin toxicity in broiler chickens [letter] Chalmers GA. **Can Vet J** 1981 Jan;22(1):21–2

Properties of gizzard erosion-inducing substance in fish meal. Umemura Y, et al. **Natl Inst Anim Health Q (Tokyo)** 1981 Spring;21(1):52–60

Toxic effects of repeated ethanol intubations to chicks. Allen NK, et al. **Poult Sci** 1981 May;60(5):941–3

Experimental ochratoxicosis in turkey poults. Chang CF, et al. **Poult Sci** 1981 Jan;60(1):114–9

Impaired vitamin E status of chicks fed T-2 toxin. Coffin JL, et al. **Poult Sci** 1981 Feb;60(2):385–92

Magnesium toxicity: bone lesions. Lee SR, et al. **Poult Sci** 1980 Nov;59(11):2403–11

Glycogen storage disease type X caused by ochratoxin A in broiler chickens. Warren MF, et al. **Poult Sci** 1981 Jan; 60(1):120–3

QAC poisoning from drinking apparatus [letter] Christensen N. **Vet Rec** 1980 Oct 11;107(15):363

Haloxon poisoning in geese [letter] Humphreys DJ, et al. **Vet Rec** 1980 Dec 6;107(23):541

CONGENITAL

Two congenital abnormalities in domestic chickens. Grewal GS, et al. **Avian Dis** 1980 Apr–Jun;24(2):504–6

DIAGNOSIS

Plasma alkaline phosphatase as a screening test for low zinc status in broiler hybrid chickens affected with 'clubbed down'. Schuster NH, et al. **Aust Vet J** 1980 Oct; 56(10):499–501

Serologic detection of adenovirus infections in specific-pathogen-free chickens. Girshick T, et al. **Avian Dis** 1980 Apr–Jun;24(2):527–31

A comparison of culturing drag swabs and litter for identification of infections with Salmonella spp. in commercial chicken flocks. Kingston DJ. **Avian Dis** 1981 Apr–Jun;25(2):513–6

An indirect enzyme-linked immunosorbent assay (ELISA) for measuring antibodies in chickens infected with infectious bursal disease virus. Marquardt WW, et al. **Avian Dis** 1980 Apr–Jun;24(2):375–85

Development of a microtitration complement-fixation test for diagnosis of Mycoplasma gallisepticum infection in chickens. Slavik MF. **Avian Dis** 1980 Apr–Jun;24(2):317–23

Turkey meningo-encephalitis in South Africa. Barnard BJ, et al. **Onderstepoort J Vet Res** 1980 Jun;47(2):89–94

Experimental infection of turkeys with egg drop syndrome 1976 virus and studies on the application of the haemagglutination inhibition test. Parsons DG, et al. **Res Vet Sci** 1980 Jul;29(1):89–92

An evaluation of the microantiglobulin test in monitoring experimental Salmonella group C infections in chickens. Thain JA. **Res Vet Sci** 1980 Mar;28(2):212–6

[Comparison of the diagnostic indices in poultry treated against fowl typhoid pullorum] Diakov L, et al. **Vet Med Nauki** 1980;17(5):51–9 (Eng. Abstr.) **(Bul)**

DIET THERAPY

Influence of high levels of pyridoxine on twisted legs in broilers. Beirne MJ, et al. **Poult Sci** 1981 May;60(5):1026–9

The effects of manganese, biotin, and choline on hexosamine and hydroxyproline content as related to leg weakness. Stock RH, et al. **Poult Sci** 1981 May;60(5):1012–6

DRUG THERAPY

Selective killing of macrophages in the peritoneal cavity by carrageenan and its effect on normal infection of Eimeria tenella in chickens. Lee EH, et al. **Avian Dis** 1981 Apr–Jun; 25(2):503–12

Effects of prolonged antimicrobial medication in poultry: I. observations with tetracyclines in water. Braide VB, et al. **Bull Anim Health Prod Afr** 1980 Mar;28(1):27–34

Phenytoin, methysergide, and penicillamine in hereditary muscular dystrophy of the chicken. Entrikin RK, et al. **Exp Neurol** 1981 Apr;72(1):82–90

The anticoccidial efficacy of arprinocid in broiler chickens under floor pen conditions. Schröder J, et al. **J S Afr Vet Assoc** 1980 Mar;51(1):59–61

Effect of three routes of spectinomycin injection in neonatal turkeys with mixed bacterial contamination. Christensen VL, et al. **Poult Sci** 1981 May;60(5):1092–3

The effects of dietary selenium and vitamin E on avian white muscle disease as measured by both chemical and physical parameters. Gill TA, et al. **Poult Sci** 1980 Sep;59(9):2088–97

Comparative evaluation of four registered acaricides for field control of northern fowl mites on caged laying hens. Hall RD, et al. **Poult Sci** 1980 Nov;59(11):2424–30

Experimental development of monensin resistance in Eimeria meleagrimitis. Jeffers TK, et al. **Poult Sci** 1980 AUG; 59(8):1731–5

Monensin sensitivity of recent field isolates of turkey coccidia. Jeffers TK, et al. **Poult Sci** 1980 AUG; 59(8):1722–30

Effects of additional vitamins, minerals, or brewer's yeast upon leg weaknesses in broiler chickens. Plavnik I, et al. **Poult Sci** 1980 Feb;59(2):459–67

Anticoccidial activity of narasin in broiler chickens reared in floor pens. Ruff MD, et al. **Poult Sci** 1980 Sep; 59(9):2008–13

Compatibility and anticoccidial activity of lasalocid in combination with roxarsone and antibiotics against Eimeria mixed infection in chicks. Schildknecht EG, et al. **Poult Sci** 1980 Feb;59(2):268–73

Evaluation of the efficacy of salinomycin in the control of coccidiosis in chicks. Yvoré P, et al. **Poult Sci** 1980 Nov; 59(11):2412–6

Transferable oxytetracycline resistance in avian Pasteurella multocida [letter] Curtis PE, et al. **Vet Rec** 1979 Apr 7; 104(14):327

A survey of antibiotic resistance of Escherichia Coli isolated from farm animals in Great Britain from 1971 to 1977. Jackson G. **Vet Rec** 1981 Apr 11;108(15):325–8

[Clinical and pharmacological studies of technical tylosin phosphate from Pharmachem in poultry diseases] Stoianova-Zaĭkova L, et al. **Vet Med Nauki** 1980; 17(1):26–32 (Eng. Abstr.) **(Bul)**

[Biochemical evaluation of the therapeutic effectiveness of coccidin in coccidiosis of hens] Ekchiev Ia Ia. **Parazitologiia** 1980 Sep–Oct;14(5):452–6 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Lysosomal acid phosphatase decrease in nutritional encephalopathy in chicks. Dror Y, et al. **Nutr Metab** 1980; 24(3):154–60

Plasma enzyme activities indicative of liver cell damage in laying fowl given a diet containing 20 per cent of rapeseed meal. Ibrahim I, et al. **Res Vet Sci** 1980 May;28(3):330–5

ETIOLOGY

Method of evaluating the efficiency of anticoccidial drugs in floor–pen trials with multiple in–feed infection versus 'seeding' model. Yvore P, et al. **Ann Rech Vet** 1980; 11(1):99–108

Examination of Diplodia maydis infected maize for toxicity to chickens and cattle [letter] Blaney BJ, et al. **Aust Vet J** 1981 Apr;57(4):196–7

Oedema disease in chickens caused by Mexican poppy (Argemone mexicana) seed. Norton JH, et al. **Aust Vet J** 1980 Apr;56(4):187–9

Necrotizing cutaneous rhodotorulosis in chickens in Uganda. Aruo SK. **Avian Dis** 1980 Oct–Dec;24(4):1038–43

Decreased hatchability of turkeys eggs caused by experimental infection with Mycoplasma meleagridis. Carpenter TE, et al. **Avian Dis** 1981 Jan–Mar;25(1):151–6

Susceptibility of chickens to avian nephritis virus at various inoculation routes and ages. Imada T, et al. **Avian Dis** 1981 Apr–Jun;25(2):294–302

Experimental botulism in Pekin ducks. Notermans S, et al. **Avian Dis** 1980 Jul–Sep;24(3):658–64

Ophthalmia in turkeys infected with Pasteurella multocida. Olson LD. **Avian Dis** 1981 Apr–Jun;25(2):423–30

Pathogenicity of strains of the IJKNQR group of avian mycoplasmas for turkey embryos and poults. Rhoades KR. **Avian Dis** 1981 Jan–Mar;25(1):104–11

Turkey airsacculitis: effect of mixed mycoplasmal infections. Rhoades KR. **Avian Dis** 1981 Jan–Mar;25(1):131–5

Response of turkey poults to aerosolized spores of Aspergillus fumigatus and aflatoxigenic and nonaflatoxigenic strains of Aspergillus flavus. Richard JL, et al. **Avian Dis** 1981 Jan–Mar;25(1):53–67

Pathogenicity of two strains of Mycoplasma gallisepticum in broilers. Rodriguez R, et al. **Avian Dis** 1980 Oct–Dec; 24(4):800–7

Observations on Alcaligenes faecalis infection in turkeys. Saif YM, et al. **Avian Dis** 1980 Jul–Sep;24(3):665–84

Role of Coccidia in the occurrence of necrotic enteritis of chickens. Al–Sheikhly F, et al. **Avian Dis** 1980 Apr–Jun; 24(2):324–33

Effects of high and low environmental temperatures on clinical course of fowl cholera in turkeys. Simensen E, et al. **Avian Dis** 1980 Oct–Dec;24(4):816–32

Negative findings concerning Alcaligenes faecalis as an etiologic agent in acute respiratory disease of turkeys. Singer N, et al. **Avian Dis** 1981 Apr–Jun;25(2):245–53

Pathogenicity for chickens of a reovirus isolated from turkeys. van der Heide L, et al. **Avian Dis** 1980 Oct–Dec; 24(4):989–97

Susceptibility of ducks to the virus of infectious laryngotracheitis. Yamada S, et al. **Avian Dis** 1980 Oct–Dec;24(4):930–8

Environmental control of the rearing conditions and early preglaucomatous lesions in chicks. Lauber JK, et al. **Exp Eye Res** 1981 Apr;32(4):501–9

Enhancement and inhibition of CELO virus pathogenicity in quail by avian adenovirus–associated virus. Bagshaw C, et al. **J Wildl Dis** 1980 Apr;16(2):287–91

Vitamin B6 in the etiology of gizzard erosion in growing chickens. Daghir NJ, et al. **Poult Sci** 1981 May;60(5):988–92

Reproduction of the Oily Bird Syndrome in broilers. Jensen LS, et al. **Poult Sci** 1980 Oct;59(10):2256–66

Haemorrhagic liver syndrome in laying fowl fed diets containing rapeseed meal. Ibrahim IK, et al. **Res Vet Sci** 1980 Jul;29(1):68–76

Attempted induction of an avian eosinophilia using various agents. Maxwell MH. **Res Vet Sci** 1980 Nov;29(3):293–7

Virulence and morphology of Pasteurella multocida of avian origin. Curtis PE, et al. **Vet Rec** 1980 Aug 2;107(5):105–8

Rupture of digital flexor tendons of chickens after infection with reovirus. Jones RC, et al. **Vet Rec** 1980 Aug 23; 107(8):180

Intestinal perforation and pleuroperitonitis in ascaridiasis in White Leghorn cockerel. Vegad JL, et al. **Vet Rec** 1979 Jul 7;105(1):16

[Etiopathogenesis and prevention of encephalomalacia in chickens] Stoianov P, et al. **Vet Med Nauki** 1980; 17(5):45–50 (Eng. Abstr.) **(Bul)**

[Subacute poisoning of pigs and ducks by aflatoxin B1 (author's transl)] Liang Y. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1980 May; 14(2):112–3 **(Chi)**

[Response of chickens to the addition of yeasts of various origin to broiler feed mixtures] Paškova I, et al. **Vet Med (Praha)** 1981;26(5):305–12 (Eng. Abstr.) **(Cze)**

[Investigations of the aetiology of respiratory symptoms in broilers (author's transl)] Kaleta EF, et al. **DTW** 1981 Feb 5;88(2):45–9 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

Loss of hereditary uterine protoporphyria through chromosomal rearrangement in mutant Rhode Island red hens. Schwartz S, et al. **Int J Biochem** 1980;12(5–6):935–40

B–haplotype influence on Marek's disease, Rous sarcoma, and lymphoid leukosis virus–induced tumors in chickens. Bacon LD, et al. **Poult Sci** 1981 Jun;60(6):1132–9

An autosomal recessive blind mutant in the chicken. Cheng KM, et al. **Poult Sci** 1980 Oct;59(10):2179–81

Antibody production and Escherichia coli resistance in socially stable flocks of dwarf and nondwarf chickens. Marsteller FA, et al. **Poult Sci** 1980 AUG;59(8):1947–8

IMMUNOLOGY

Protection of chickens against challenge with virulent influenza A viruses of Hav5 subtype conferred by prior infection with influenza A viruses of Hsw1 subtype. Alexander DJ, et al. **Arch Virol** 1980;66(3):265–9

The distribution of naturally acquired antibodies against infectious bursal disease virus in Victoria [letter] Reece RL, et al. **Aust Vet J** 1981 Apr;57(4):201–2

Antibodies to infectious bursal disease virus in poultry flocks in Western Australia [letter] Wilcox GE, et al. **Aust Vet J** 1980 Sep;56(9):459–60

Immunological response of chickens to Mycoplasma gallisepticum infection. Chhabra PC, et al. **Avian Dis** 1981 Apr–Jun;25(2):279–93

An enzyme–linked immunosorbent assay for detection of antibodies to avian adenovirus and avian adenovirus–associated virus in chickens. Dawson GJ, et al. **Avian Dis** 1980 Apr–Jun;24(2):393–402

Avian infectious bronchitis in specific–pathogen–free chickens: quantitation of serum immunoglobulins by electroimmunoassay. Gillette KG. **Avian Dis** 1980 Apr–Jun; 24(2):345–57

Effects of infectious bursal disease on Marek's disease vaccination: suppression of antiviral immune response. Jen LW, et al. **Avian Dis** 1980 Oct–Dec;24(4):896–907

Onset of progeny immunity against viral arthritis/tenosynovitis after experimental vaccination of parent breeder chickens and cross–immunity against six reovirus isolates. Rau WE, et al. **Avian Dis** 1980 Jul–Sep; 24(3):648–57

Effect of infectious bursal disease virus infection on the phagocytosis of Staphylococcus aureus by mononuclear phagocytic cells of susceptible and resistant strains of chickens. Santivatr D, et al. **Avian Dis** 1981 Apr–Jun; 25(2):303–11

Hemorrhagic enteritis: virus distribution and sequential development of antibody in turkeys. Silim A, et al. **Avian Dis** 1981 Apr–Jun;25(2):444–53

Altered immune function in turkey poults infected with Alcaligenes faecalis, the etiologic agent of turkey rhinotracheitis (coryza). Simmons DG, et al. **Avian Dis** 1980 Jul–Sep;24(3):702–14

Immune profile of infectious bursal disease. III. Effect of infectious bursal disease virus on the lymphocyte responses to phytomitogens and on mixed lymphocyte reaction of chickens. Sivanandan V, et al. **Avian Dis** 1981 Jan–Mar; 25(1):112–20

Immune profile of infectious bursal disease (IBD). II. Effect of IBD virus on pokeweed–mitogen–stimulated peripheral blood lymphocytes of chickens. Sivanandan V, et al. **Avian Dis** 1980 Jul–Sep;24(3):734–42

Immune profile of infectious bursal disease: I. Effect of infectious bursal disease virus on peripheral blood T and B lymphocytes of chickens. Sivanandan V, et al. **Avian Dis** 1980 Jul–Sep;24(3):715–25

Tolerance, viral shedding, and neoplasia in chickens infected with non–defective reticuloendotheliosis viruses. Witter RL, et al. **Avian Dis** 1981 Apr–Jun;25(2):374–94

Demonstration of cells with Marek's disease tumor–associated surface antigen in chicks infected with herpesvirus of turkey, O1 strain. Kitamoto N, et al. **Biken J** 1979 Dec;22(4):137–42

Cell mediated and humoral immune response in chickens infected with avian infectious bronchitis. Timms LM, et al. **Br Vet J** 1980 Jul–Aug;136(4):349–6

Inherited 7 S immunoglobulin deficiency in chickens: late onset dysgammaglobulinemia and evaluation of the lymphocyte proliferative responses and other immunologic functions. Benedict AA, et al. **Clin Immunol Immunopathol** 1980 Sep;17(1):1–14

The immunopathology of spontaneously acquired dysgammaglobulinemia in chickens. Gershwin ME, et al. **Clin Immunol Immunopathol** 1980 Sep;17(1):15–30

Characterization of a spontaneous disease of white leghorn chickens resembling progressive systemic sclerosis (scleroderma). Gershwin ME, et al. **J Exp Med** 1981 Jun 1;153(6):1640–59

Rapid detection by counterimmunoelectrophoresis of antigens and antibodies in the sera of chickens infected with Leucocytozoon caulleryi. Fujisaki K, et al. **Natl Inst Anim Health Q (Tokyo)** 1980 Fall;20(3):96–100

Antibody survey against avian nephritis virus among chickens in Japan. Imada T, et al. **Natl Inst Anim Health Q (Tokyo)** 1980 Summer;20(2):79–80

Computer simulation of Gumboro disease outbreak. IV. Epizootics obtained by mode G–4 with flock size, age and immunity changed. Takizawa T, et al. **Natl Inst Anim Health Q (Tokyo)** 1980 Summer;20(2):68–74

Computer simulation of Gumboro disease outbreak. III. Construction model G–4. Takizawa T, et al. **Natl Inst Anim Health Q (Tokyo)** 1980 Summer;20(2):60–7

Haemophilus infections in chickens. 3. Immunogenicity of serotypes 1 and 2 strains of Haemophilus paragallinarum. Kume K, et al. **Nippon Juigaku Zasshi** 1980 Dec; 42(6):673–80

Booster effect of revaccination against Newcastle disease on chickens infected with infectious bursal disease virus. Takase K, et al. **Nippon Juigaku Zasshi** 1980 Oct; 42(5):599–601

Observation on flock immunity to Newcastle disease after routine vaccination and experimental aerosol vaccination. Majid–Zadeh A, et al. **Pol Arch Weter** 1980;21(4):477–83

Acquired immune response of white leghorn hens to populations of northern fowl mite, Ornithonyssus sylviarum (Canestrini and Fanzago). DeVaney JA, et al. **Poult Sci** 1980 AUG;59(8):1742–4

Serological responses to Mycoplasma synoviae in chickens infected with virulent or avirulent strains of Marek's disease virus. Ellis MN, et al. **Poult Sci** 1981 Jun;60(6):1344–7

Chicken coccidiosis: correlation between resistance and delayed hypersensitivity. Giambrone JJ, et al. **Poult Sci** 1980 AUG;59(8):1715–21

Production and persistence of antibodies in chickens to sheep erythrocytes. 2. Resistance to infectious diseases. Gross WG, et al. **Poult Sci** 1980 Feb;59(2):205–10

Ubiquity of infectious bursal disease in East Texas backyard flocks. Millar DL, et al. **Poult Sci** 1980 AUG;59(8):1949–50

Egg drop syndrome 76 in Nigeria: serological evidence in commercial farms. Nawathe DR, et al. **Vet Rec** 1980 Nov 15;107(20):466–7

[Immune reactions in coccidiosis of chickens and their practical applications] Sule M, et al. **Angew Parasitol** 1980 Nov;21(4):205–10 (Eng. Abstr.) **(Ger)**

[Serological studies for the presence of hemagglutination–inhibiting antibodies against the 'egg–drop syndrome 76' virus in South Wuerttemberg] Lohr J, et al. **Berl Munch Tieraerztl Wochenschr** 1981 Jul 15;94(14):279–80 (Eng. Abstr.) **(Ger)**

[Serological survey on the status of infection with reticuloendotheliosis virus in Northern Germany with regard to epidemiological aspects (author's transl)] Neumann U, et al. **DTW** 1981 Mar 5;88(3):104–7 (Eng. Abstr.) **(Ger)**

[Testing of poultry for susceptibility to sarcoma viruses in the C subgroup] Lešnik F, et al. **Vet Med (Praha)** 1980 Sep;25(9):571–6 (Eng. Abstr.) **(Slo)**

METABOLISM

Abnormal concentrations of B vitamins and amino acids in plasma, bile, and liver of chicks with aflatoxicosis. Voigt MN, et al. **Appl Environ Microbiol** 1980 Nov;40(5):870–5

The influence of microorganisms and of stress on the chick's requirement for pantothenic acid. Latymer EA, et al. **Br J Nutr** 1981 Mar;45(2):441–9

The effects of high dietary supplements of copper sulphate on pantothenic acid metabolism in the chick. Latymer EA, et al. **Br J Nutr** 1981 Mar;45(2):431–9

Incorporation of 3H–oleic acid by the proximal convoluted tubule cells of the chick (Gallus domesticus). Electron microscopic autoradiographic study. Perry MM, et al. **Cell Tissue Res** 1980;210(3):447–59

Cardiac taurine levels and sarcolemmal calcium binding activity in furazolidone–induced cardiomyopathy. Schaffer SW, et al. **Comp Biochem Physiol [C]** 1981;69C(1):149–51

Susceptibility of chicks to nutritional encephalopathy: effect of fat and alpha–tocopherol content of the breeder diet. Bartov I, et al. **Poult Sci** 1980 Feb;59(2):264–7

Effects of glucose and fructose loading on glycogenesis in chicks infected with avian tuberculosis. Chaudhuri M, et al. **Poult Sci** 1980 AUG;59(8):1736–41

Discrepancies between bone ash and toe ash during aflatoxicosis. Huff WE. **Poult Sci** 1980 Oct;59(10):2213–5

Metabolism of abnormal cartilage cells associated with tibial dyschondroplasia. Lilburn MS, et al. **Poult Sci** 1980 AUG; 59(8):1892–6

Purine metabolism studies in the high and low uric acid containing lines of chickens: de novo uric acid synthesis and xanthine dehydrogenase activities. McFarland DC, et al. **Poult Sci** 1980 Oct;59(10):2250–5

The effects of high dietary protein and nitrogen levels on the preformed methyl group requirement and methionine–induced growth depression in chicks. Pesti GM, et al. **Poult Sci** 1981 Feb;60(2):425–32

Curled toes and perosis–like leg abnormalities in cage reared broilers. Rizk SW, et al. **Poult Sci** 1980 Feb;59(2):308–15

The effect of vitamin A deficiency on some postmortem parameters of avian muscle. Sundeen G, et al. **Poult Sci** 1980 Oct;59(10):2225–36

Lipid and energy metabolism in chicks affected by dwarfism (dw) and Naked–neck (Na). Touchburn SP, et al. **Poult Sci** 1980 Oct;59(10):2189–97

Coccidial infections and iron absorption. Turk DE. **Poult Sci** 1981 Feb;60(2):323–6

Contribution to the aetiology of synovitis in chickens, with special reference to non–infective factors. V. Extractability of glucosaminoglycans/mucoproteins from tendon tissue. van Walsum J, et al. **Tijdschr Diergeneeskd** 1981 Jul 15; 106(14):111–7

MICROBIOLOGY

The molecular weight of the egg drop syndrome (EDS) avian adenovirus (strain B8/78) DNA estimated by digestion with restriction endonuclease enzyme R X EcoRI. Brief report. Kisary J, et al. **Arch Virol** 1980;65(1):63–5

Some biological and physico–chemical properties of egg drop syndrome (EDS) avian adenovirus strain B8/78. Zsák L, et al. **Arch Virol** 1981;68(3–4):211–9

Fowlpox virus in the Sudan. Elamin G, et al. **Avian Dis** 1980 Jul–Sep;24(3):763–70

Determination of types 1 and 2 hemagglutinins in serotypes of Hemophilus paragallinarum. Iritani Y, et al. **Avian Dis** 1981 Apr–Jun;25(2):479–83

Serological identification of avian adenoviruses isolated from

cases of inclusion body hepatitis in Victoria, Australia. Kefford B, et al. **Avian Dis** 1980 Oct-Dec;24(4):998-1006

Serotypes of Pasteurella anatipestifer isolated from commercial White Pekin ducks in the United States. Sandhu T, et al. **Avian Dis** 1981 Apr-Jun;25(2):497-502

The influence of native gut microflora on the colonization and infection of Salmonella gallinarum in chickens. Silva EN, et al. **Avian Dis** 1981 Jan-Mar;25(1):68-73

The occurrence of salmonellae during the rearing of broiler birds. Morgan-Jones SC. **Br Poult Sci** 1980 Nov; 21(6):463-70

The virulence of salmonella strains for chickens: their excretion by infected chickens. Smith HW, et al. **J Hyg (Lond)** 1980 Jun;84(3):479-88

Furazolidone resistance in Salmonella gallinarum: the relationship between in vitro and in vivo determinations of resistance. Smith HW, et al. **J Hyg (Lond)** 1981 Aug; 87(1):71-81

Salpingitis in poultry. I. Prevalence, bacteriology and possible pathogenesis in broilers. Bisgaard M, et al. **Nord Vet Med** 1980 Sep;32(9):361-8

Salpingitis in poultry. II. Prevalence, bacteriology, and possible pathogenesis in egg-laying chickens. Bisgaard M, et al. **Nord Vet Med** 1981 Feb;33(2):81-9

Localization of herpesvirus of turkeys in blood cells. Hinshaw VL, et al. **Poult Sci** 1980 Feb;59(2):258-63

Bacterial coryza in turkeys in Texas. Panigrahy B, et al. **Poult Sci** 1981 Jan;60(1):107-13

Preliminary clinical pharmacological investigations of tylosin and tiamulin in chickens. Ziv G. **Tijdschr Diergeneeskd** 1980 Oct 15;105(20):206-10

Isolation of virulent Newcastle disease virus from apparently normal ducks in Nigeria. Majiyagbe KA, et al. **Vet Rec** 1981 Feb 28;108(9):190

Isolation of infectious bronchitis, infectious bursal disease and avian adenoviruses from chickens with nephritis-nephrosis syndrome. Chandra M, et al. **Zentralbl Veterinaermed [B]** 1980;27(5):352-9

[Liver cancer, liver disease background and virus-like particles in serum among ducks from high incidence area of human hepatocellular carcinoma (author's transl)] Wang NJ, et al. **Chung Hua Chung Liu Tsa Chih** 1980 Sep; 2(3):174-6 (Eng. Abstr.) **(Chi)**

[Streptococcus zooepidemicus infection in laying hens (author's transl)] Goren E, et al. **Tijdschr Diergeneeskd** 1981 Jul 15;106(14):715-7 (Eng. Abstr.) **(Dut)**

[Campylobacter fetus subspecies jejuni in chickens (author's transl)] Goren E, et al. **Tijdschr Diergeneeskd** 1980 Sep 1;105(17):724-6 (Eng. Abstr.) **(Dut)**

[Isolation of Hav6 N2 influenza virus from diseased laying chickens (author's transl)] Meulemans G, et al. **Comp Immunol Microbiol Infect Dis** 1980;3(1-2):171-6 (Eng. Abstr.) **(Fre)**

[Staphylococcus aureus infections in domestic fowls. 2. Properties of Staphylococcus aureus in the chicken (review)] Hummel R, et al. **Arch Exp Veterinaermed** 1979; 33(6):837-49 (98 ref.) **(Ger)**

[Staphylococcus aureus infection in chickens in industrialized poultry units. 2. Microbiological studies: Staphylococcus aureus and other pathogens] Köhler B, et al. **Arch Exp Veterinaermed** 1980;34(6):905-23 (Eng. Abstr.) **(Ger)**

[Staphylococcus aureus infection in chickens in industrialized poultry units. 3. Experimental infection of chickens and comparison of pathogenicity of Staphylococcus aureus of different origin] Köhler B, et al. **Arch Exp Veterinaermed** 1980;34(6):925-41 (Eng. Abstr.) **(Ger)**

[Mycoplasmatales isolated from chickens and turkeys in North Germany] Hinz KH. **Berl Muench Tieraerztl Wochenschr** 1980 Jul 1;93(13):252-4 (Eng. Abstr.) **(Ger)**

[Kidney coccidium, Eimeria truncata, from the domestic goose (Anser anser domesticus] Sezen IY, et al. **Berl Muench Tieraerztl Wochenschr** 1980 Dec 1; 93(23):474-6 (Eng. Abstr.) **(Ger)**

[Significance of avian adeno-associated virus (AAAV) in serological studies of adenovirus infections in chickens] von Bülow V, et al. **Zentralbl Veterinaermed [B]** 1980; 27(6):470-82 (Eng. Abstr.) **(Ger)**

[Isolation of cytopathogenic strains of infectious bursal virus of chickens in cell cultures] Casnocha E. **Vet Med (Praha)** 1980;25(12):725-32 (Eng. Abstr.) **(Slo)**

MORTALITY

Lymphoid leukosis virus infection: effects on production and mortality and consequences in selection for high egg production. Gavora JS, et al. **Poult Sci** 1980 Oct; 59(10):2165-78

[Fatty liver syndrome in laying hens] Dimitrov A, et al. **Vet Med Nauki** 1980;17(1):81-9 (Eng. Abstr.) **(Bul)**

OCCURRENCE

Atypical histomoniasis in Bobwhite quail. Dhillon AS, et al. **Avian Dis** 1980 Apr-Jun;24(2):510-6

Erysipelas in domestic white Pekin ducks. Dhillon AS, et al. **Avian Dis** 1980 Jul-Sep;24(3):784-7

Incidence and distribution of 'avian adenovirus group II splenomegaly of chickens'. Domermuth CH, et al. **Avian Dis** 1980 Jul-Sep;24(3):591-4

An intermittent problem with tibial dyschondroplasia. Meinecke CF, et al. **Avian Dis** 1980 Apr-Jun;24(2):517-9

Serologic and epidemiologic evidence of infection in turkeys with an agent related to the swine influenza virus. Mohan R, et al. **Avian Dis** 1981 Jan-Mar;25(1):11-6

Verminous encephalitis in commercial chickens. Richardson JA, et al. **Avian Dis** 1980 Apr-Jun;24(2):498-503

Variations in the incidence of tibial dyschondroplasia associated with different environmental conditions. Veltmann JR Jr, et al. **Avian Dis** 1980 Jul-Sep;24(3):625-30

The incidence and importance of tibial dyschondroplasia to the commercial broiler industry in Australia. Burton RW, et al. **Br Poult Sci** 1981 Mar;22(2):153-60

The incidence of breast-blister down-grading in broiler chickens. Mayes FJ. **Br Poult Sci** 1980 Nov;21(6):497-504

Survey of lice infesting domestic fowl on the Jos Plateau, northern Nigeria. Fabiyi JP. **Bull Anim Health Prod Afr** 1980 Sep;28(3):215-9

A survey of skeletal disorders in five turkey flocks in Saskatchewan. Riddell C. **Can J Comp Med** 1980 Jul; 44(3):275-9

Outbreak of salmonellosis in a poultry farm of Alipore village, Delhi. Srivastava L, et al. **J Commun Dis** 1980 Mar;12(1):23-6

The distribution of infectious bursal disease in South Africa. du Preez F, et al. **J S Afr Vet Assoc** 1980 Mar;51(1):15-16

The epidemiology and economic importance of poultry coccidiosis in Oyo State Nigeria. Majaro OM. **Rev Elev Med Vet Pays Trop** 1980;33(4):377-9

Incidence of EDS'76 virus infection in fowl in 1980 in the Netherlands in comparison with the incidence in 1976-1978. van Eck JH. **Tijdschr Diergeneeskd** 1981 Jul 15;106(14):150-2

Arthropod parasites of domestic fowl and guineafowl on the Jos Plateau, Northern Nigera. Fabiyi JP. **Trop Anim Health Prod** 1980 Aug;12(3):193

[Field observations on epizootiology and prophylaxis of the egg drop syndrome 1976 (EDS 76) (author's transl)] Redmann T, et al. **DTW** 1981 Apr 5;88(4):125-8 (Eng. Abstr.) **(Ger)**

[Changes in the disease spectrum of poultry and exotic birds-- 18 years of a poultry diagnostic service] Ehrsam H. **Schweiz Arch Tierheilkd** 1981 Feb;123(2):69-77 (Eng. Abstr.) **(Ger)**

PARASITOLOGY

Prosthogonimus pellucidus in domestic poultry [letter] Arundel JH, et al. **Aust Vet J** 1980 Sep;56(9):460-1

Pseudoparasitism of domestic and native animals by geoplanid land planarians. Winsor L. **Aust Vet J** 1980 Apr; 56(4):194-6

The use of sentinel birds to monitor coccidial infection in litter pens. Long PL, et al. **Avian Dis** 1980 Apr-Jun; 24(2):435-45

Eimeria acervulina infections from each of the four sporocysts of a single oocyst. Lee EH, et al. **Can J Comp Med** 1981 Apr;45(2):203-4

Schistosomiosis in a scaled quail. Craig TM, et al. **J Am Vet Med Assoc** 1980 Nov 1;177(9):915-6

Haemoproteus meleagridis Levine 1961: redescription and developmental morphology of the gametocytes in turkeys. Greiner EC, et al. **J Parasitol** 1980 Aug;66(4):652-8

Dispersal of the northern fowl mite, Ornithonyssus sylviarum (Canestrini and Fanzago), and the chicken body louse, Menacanthus stramineus (Nitzsch), among thirty strains of egg-type hens in a caged laying house. DeVaney JA, et al. **Poult Sci** 1980 AUG;59(8):1745-9

Coccidiosis in Broilers. Braunius WW. **Tijdschr Diergeneeskd** 1980 Oct 1;105(19):835-44 (Eng. Abstr.) **(Dut)**

PATHOLOGY

Tibial dyschondroplasia (osteochondrosis) in the turkey. A morphologic investigation. Poulos PW Jr. **Acta Radiol [Suppl] (Stockh)** 1978;358:197-227

Normal and pathologic skeletal development in broiler and leghorn chickens. A comparative investigation. Reiland S, et al. **Acta Radiol [Suppl] (Stockh)** 1978;358:277-98

March gangrene: deep pectoral myopathy, Oregon disease, green muscle disease. Wight PA, et al. **Am J Pathol** 1981 Apr;103(1):159-61

Marek's disease: a natural model for the Landry-Guillain-Barré syndrome. Stevens JG, et al. **Ann Neurol** 1981;9 Suppl:102-6

Studies on experimental infection of 'Escherichia coli' in chicks. Gupta RP, et al. **Ann Sclavo** 1980 May-Jun; 22(3):363-9

A morphometric study of myocardial mitochondria and myofibrils in turkey poults during development of furazolidone-induced cardiomyopathy. Czarnecki CM, et al. **Avian Dis** 1980 Oct-Dec;24(4):955-70

Histopathological and biochemical effects of feeding excess dietary methionine to broiler chicks. Ekperigin HE, et al. **Avian Dis** 1981 Jan-Mar;25(1):82-95

Comparative effects of three goitrogenic treatments on White Leghorn chickens. Handa RJ, et al. **Avian Dis** 1980 Oct-Dec;24(4):916-29

Sequential changes in the number of surface immunoglobulin-bearing B lymphocytes in infectious bursal disease virus-infected chickens. Hirai K, et al. **Avian Dis** 1981 Apr-Jun;25(2):484-96

Pathology of experimental avian cholera in mallard ducks. Hunter B, et al. **Avian Dis** 1980 Apr-Jun;24(2):403-14

Encephalomalacia in a flock of broiler breeder hens. Page RK, et al. **Avian Dis** 1981 Jan-Mar;25(1):202-6

Deep pectoral myopathy in seven-week-old broiler chickens. Richardson JA, et al. **Avian Dis** 1980 Oct-Dec;24(4):1054-9

Natural and experimental Salmonella arizonae 18:z4,z32 (Ar. 7:1,7,8) infection in broilers. Bacteriological and histopathological survey of eye and brain lesions. Silva EN, et al. **Avian Dis** 1980 Jul-Sep;24(3):631-6

Influence of Pasteurella multocida and high and low environmental temperatures on adrenals and bursa of Fabricius in turkeys. Simensen E, et al. **Avian Dis** 1980 Oct-Dec;24(4):844-67

Arterial lesions in restricted-ovulator chickens with endogenous hyperlipidemia. Toda T, et al. **Avian Dis** 1981 Jan-Mar;25(1):162-78

Intestinal adenocarcinoma in a chicken. Turk JR, et al. **Avian Dis** 1980 Apr-Jun;24(2):507-9

'Field rickets' in turkey poults: field observations and pathological, radiological, and serological findings. Walser MM, et al. **Avian Dis** 1980 Apr-Jun;24(2):309-16

Dermal squamous cell carcinoma in broiler chickens in Saskatchewan. Riddell C, et al. **Can Vet J** 1980 Oct; 21(10):287-9

Pathology of Nephrosis-nephritis in chickens experimentally induced by infectious bursal disease virus. Chandra M, et al. **Indian J Exp Biol** 1980 Jul;18(7):750-2

Histological abnormalities of the avian liver resulting from dietary methimazole. Wight PA, et al. **J Comp Pathol** 1980 Apr;90(2):247-55

Pathology of the avian respiratory system. Fletcher OJ. **Poult Sci** 1980 Dec;59(12):2666-79

Lectin-induced giant cell formation in the chicken wattle. Olah I, et al. **Poult Sci** 1980 Sep;59(9):2151-7

Ultrastructural study of liver fibrosis in turkeys fed diets containing rapeseed meal. Bhatnagar MK, et al. **Res Vet Sci** 1980 Sep;29(2):260-5

The ultrastructure of nephrocalcinosis induced in chicks by Cestrum diurnum leaves. Sarkar K, et al. **Vet Pathol** 1981 Jan;18(1):62-70

Reproductive tract lesions of the laying fowl with particular reference to bacterial infection. Jones HG, et al. **Vet Rec** 1981 Jan 10;108(2):36-7

Retinopathy in commercial layers [letter] Randall CJ, et al. **Vet Rec** 1979 Jul 14;105(2):41-2

Ascites in broilers [letter] Swire PW. **Vet Rec** 1980 Dec 6; 107(23):541

[Experimental erysipelas in turkeys following intravenous infection with Erysipelothrix insidiosa. I. Electron microscopic findings in the kidneys] Tsangaris T, et al. **Zentralbl Veterinaermed [B]** 1980;27(9-10):705-13 (Eng. Abstr.) **(Ger)**

[Glycogenosis II in Japanese quails] Murakami H, et al. **Jikken Dobutsu** 1980 Oct;29(4):475-8 **(Jpn)**

PHYSIOPATHOLOGY

Effect of time on response to Eimeria adenoeides and Eimeria meleagrimitis infection in young turkeys. Augustine PC, et al. **Avian Dis** 1981 Apr-Jun;25(2):366-73

The effects of zinc deficiency on oral behaviour and taste bud morphology in chicks. Gentle MJ, et al. **Br Poult Sci** 1981 May;22(3):265-73

The effects of vitamin A deficiency of oral gustatory behaviour in chicks. Gentle MJ, et al. **Br Poult Sci** 1981 May;22(3):275-9

Neuromuscular studies of turkeys with trienbolone acetate-induced and naturally occurring 'leg weakness'. Ranaweera KN. **Br Poult Sci** 1981 May;22(3):209-17

Brain norepinephrine, dopamine, and 5-hydroxytryptamine concentration abnormalities and their role in the high seizure susceptibility of epileptic chickens. Johnson DD, et al. **Can J Physiol Pharmacol** 1981 Feb;59(2):144-9

Eimeria meleagrimitis, E. adenoeides, and E. dispersa: severity of infection and changes in the intestinal mucosa of the turkey. Ruff MD, et al. **Exp Parasitol** 1981 Feb; 51(1):87-94

Intrinsic thyroid hyperactivity in avian strains susceptible to autoimmune thyroiditis. Livezey MD, et al. **Gen Comp Endocrinol** 1980 Jun;41(2):243-9

Physiological basis of Eimeria tenella-induced mortality in individual chickens. Witlock DR, et al. **J Parasitol** 1981 Feb;67(1):65-9

Electrical properties of muscle membrane and of neuromuscular junctions in normal and dystrophic chickens. Korenaga S. **Jpn J Physiol** 1980;30(3):313-31

Mouth breathing in chickens under rebreathing conditions, cervical vagotomy of heat load. Itabisashi T. **Natl Inst Anim Health Q (Tokyo)** 1980 Winter;20(4):148-60

Influence of level of dietary fat on the growth of dwarf chickens. Kensett BC, et al. **Poult Sci** 1980 Sep; 59(9):2065-70

Cardiovascular responses in turkeys as affected by diurnal variation and stressors. Krista LM, et al. **Poult Sci** 1981 Feb;60(2):462-8

Eimeria tenella: clinical effects in partially immune and susceptible chickens. Long PL, et al. **Poult Sci** 1980 Oct; 59(10):2221-4

Growth, feed intake, and feed conversion of dwarf and nondwarf broiler-type chickens. Marks HL. **Poult Sci** 1980 Oct;59(10):2183-8

The effect of varied brooding temperature on the incidence of leg weakness and subsequent performance of turkeys.

Pierson FW, et al. **Poult Sci** 1981 Jun;60(6):1183–6
Plasma free hydroxyproline, growth, and sexual maturity in the scoliotic chicken. Lin HJ, et al.
Proc Soc Exp Biol Med 1980 Nov;165(2):345–8
A topographical study of increased vascular permeability in acute inflammatory reaction in the chicken skin. Awadhiya RP, et al. **Res Vet Sci** 1980 Sep;29(2):203–10
Studies on acute inflammation in the chicken using mesentery as a test system. Awadhiya RP, et al. **Res Vet Sci** 1980 Sep;29(2):172–80
[Growth hormone dynamics in normal and dwarf chickens (author's transl)] Hoshino S, et al.
Tanpakushitsu Kakusan Koso 1980;25(7):627–37 (90 ref.) **(Jpn)**

PREVENTION & CONTROL

The anaerobically cultured cecal flora of adult fowls that protects chickens from Salmonella infections. Schneitz C, et al. **Acta Pathol Microbiol Scand [B]** 1981 Apr; 89B(2):109–16
Spray vaccination of chickens using infectious laryngotracheitis virus. Clarke JK, et al. **Aust Vet J** 1980 Sep;56(9):424–8
Consequences of active or passive immunization of turkeys against Escherichia coli O78. Arp LH. **Avian Dis** 1980 Oct–Dec;24(4):808–15
Field vaccination trials against turkey coryza using a temperature-sensitive mutant of Alcaligenes faecalis. Burke DS, et al. **Avian Dis** 1981 Jan–Mar;25(1):96–103
Immunization against turkey coryza by colonization with mutants of Alcaligenes faecalis. Burke DS, et al.
Avian Dis 1980 Jul–Sep;24(3):726–33
Formulating a control program against Mycoplasma meleagridis using economic decision analysis. Carpenter TE, et al. **Avian Dis** 1981 Apr–Jun:25(2):260–71
Vaccination with F-strain Mycoplasma gallisepticum to reduce production losses in layer chickens. Carpenter TE, et al. **Avian Dis** 1981 Apr–Jun;25(2):404–9
The detrimental effect of vaccinating parentally immune broilers with a modified liver virus vaccine for infectious bursal disease. Henry CW, et al. **Avian Dis** 1980 Oct–Dec; 24(4):1021–6
Biological activities of crude polysaccharide extracted from two different immunotype strains of Hemophilus gallinarum in chickens. Iritani Y, et al. **Avian Dis** 1981 Jan–Mar;25(1):29–37
Field studies with convalescent serum and infectious bursal disease vaccine to control turkey coryza. Johnson DC, et al. **Avian Dis** 1980 Apr–Jun;24(2):386–92
Response of mibolerone-treated chickens to infectious bursal disease virus. Lucio B, et al. **Avian Dis** 1980 Apr–Jun; 24(2):334–44
Rofenaid in the control of Pasteurella anatipestifer and Escherichia coli infections in ducklings. Mitrovic M, et al. **Avian Dis** 1980 Apr–Jun;24(2):302–8
Observations on competitive exclusion for preventing Salmonella typhimurium infection of broiler chickens. Rigby CE, et al. **Avian Dis** 1980 Jul–Sep;24(3):604–15
Evaluation of a vaccine against Mycoplasma gallisepticum in commercial broilers. Rodriguez R, et al. **Avian Dis** 1980 Oct–Dec;24(4):879–89
Studies on the use of 9R strain of Salmonella gallinarum as a vaccine in chickens. Silva EN, et al. **Avian Dis** 1981 Jan–Mar;25(1):38–52
Field experiments with viral arthritis/tenosynovitis vaccination of breeder chickens. van der Heide L, et al. **Avian Dis** 1980 Apr–Jun;24(2):493–7
Efficacy of garlic (Allium sativum) treatment against experimental candidiasis in chicks. Prasad G, et al.
Br Vet J 1980 Sep–Oct;136(5):448–51
Drinking water vaccination against infectious laryngotracheitis. Hilbink F, et al. **Can J Comp Med** 1981 Apr;45(2):120–3
The antigenicity of Eimeria maxima populations obtained from commercial farms. Shirley MW, et al. **J Parasitol** 1981 Aug;67(4):587–8
Effects of microwave and various combinations of ambient temperature and humidity exposures on off-host survival of northern fowl mites. DeVaney JA, et al. **Poult Sci** 1980 Oct;59(10):2198–2206
Reduced vaccinal protection of turkey herpesvirus against field strains of Marek's disease herpesvirus. Eidson CS, et al. **Poult Sci** 1981 Feb;60(2):317–22
Comparison of inactivated and live infectious bursal disease virus vaccines in White Leghorn breeder flock. Eidson CS, et al. **Poult Sci** 1980 Dec;59(12):2708–16
The effects of thiouracil and thyroxine on resistance to heat shock. Fox TW. **Poult Sci** 1980 Nov;59(11):2391–6
Application phenomena and efficacy of concentrated acaricide dusts for northern fowl mite control on caged laying hens. Hall RD, et al. **Poult Sci** 1981 Jun; 60(6):1187–94
Vaccination of chickens against Newcastle disease with live and inactivated Newcastle disease virus. Winterfield RW, et al. **Poult Sci** 1980 Feb;59(2):240–6
Failure of prostaglandin inhibition to attenuate the tolerance to hemorrhage in domestic chicken. Zambraski EJ, et al. **Poult Sci** 1980 Nov;59(11):2567–9
Control of Mycoplasma gallisepticum in commercial laying chickens using artificial exposure to Connecticut F strain Mycoplasma gallisepticum. Carpenter TE, et al.
Proc Annu Meet US Anim Health Assoc 1979;(83):364–70
Are we ready for a National Salmonella Control Program? Purchase HG. **Rev Infect Dis** 1979 Jul–Aug;1(4):600–6
Immune responses of chickens to IB vaccines [letter] Box PG, et al. **Vet Rec** 1981 Mar 7;108(10):219
Turkey influenza vaccination [letter] Lang G. **Vet Rec** 1981 May 9;108(19):425
Comparative efficacy of some vitamin E preparations and other anti-oxidants in control and treatment of experimentally produced encephalomalacia in chicks. Kharbanda RK, et al. **Zentralbl Veterinaermed [A]** 1980 Jun;27(4):311–8
[Drug premixtures wih erythromycin, oxytetracycline and spectinomycin in spirochetosis in poultry] Sherkov Sh, et al. **Vet Med Nauki** 1980;17(4):15–22 (Eng. Abstr.) **(Bul)**
[A method for the control of lymphoid leukosis in chickens (author's transl)] de Boer GF. **Tijdschr Diergeneeskd** 1980 Aug 15;105(16):665–9 (Eng. Abstr.) **(Dut)**
[Protective effect of alpha-linolenic acid in encephalomalacia in chickens] Budowski P, et al. **Ann Nutr Aliment** 1980; 34(2):389–99 (21 ref.) (Eng. Abstr.) **(Fre)**
[Aerosol immunization of ducks with Spirovak erysipelas vaccine 'Dessau'] Müller H, et al.
Arch Exp Veterinaermed 1980;34(1):55–7 (Eng. Abstr.) **(Ger)**
[Live vaccine for oral immunization against avian encephalomyelitis of fowl] Müller H.
Arch Exp Veterinaermed 1980;34(1):127–30 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Skeletal lesions in the broiler, with special reference to dyschondroplasia (osteochondrosis). Pathology, frequency and clinical significance in two strains of birds on high and low energy feed. Poulos PW Jr, et al.
Acta Radiol [Suppl] (Stockh) 1978;358:229–75 (68 ref.)

TRANSMISSION

Aerosol transmission of Pasteurella multocida in turkeys. Simensen E, et al. **Avian Dis** 1980 Oct–Dec;24(4):1007–10
Egg transmission of egg drop syndrome 1976 virus in fowl. van Eck JH. **Tijdschr Diergeneeskd** 1980 Jul 15; 105(14):suppl 3:176–8
Investigation to determine whether healthy chickens and turkeys are oral carriers of Pasteurella multocida. Curtis PE, et al. **Vet Rec** 1981 Mar 7;108(10):206–7
[Epidemiologic significance of live vectors in the transmission of salmonella infections in broiler flocks] Krabisch P, et al. **Berl Muench Tieraerztl Wochenschr** 1980 Jun 15; 93(12):232–5 (Eng. Abstr.) **(Ger)**
[Argas (Persicargas) persicus and Argas (Argas) africolumbae as natural vectors of Borrelia anserina and Aegyptianella pullorum in Upper Volta] Gothe R, et al.
Berl Munch Tieraerztl Wochenschr 1981 Jul 15;94(14):280–5 (Eng. Abstr.) **(Ger)**

POULTRY PRODUCTS

see related
EGGS

ANALYSIS

[Chlorinated aromatic hydrocarbon residues in fish flour, meat-bone meals, animal feed and broiler chicken meat] Falandysz J, et al. **Rocz Panstw Zakl Hig** 1980;31(4):383–7 (Eng. Abstr.) **(Pol)**
[Non-flame atomic absorption determination of the lead and cadmium content of poultry products] Martyniuk TG, et al. **Vopr Pitan** 1981 Mar–Apr;(2):16–9 **(Rus)**

POVERTY

Determinants of growth among poor children: nutrient intake-achieved growth relationships. Graham GG, et al. **Am J Clin Nutr** 1981 Apr;34(4):539–54
Determinants of growth among poor children: relation of nutrient intakes to expenditure for food. Graham GG, et al. **Am J Clin Nutr** 1981 Apr;34(4):555–61
Determinants of growth among poor children: effect of expenditure for food on nutrient sources. Graham GG, et al. **Am J Clin Nutr** 1981 Apr;34(4):562–7
The helping professional's use of language in describing the poor. Lee JA. **Am J Orthopsychiatry** 1980 Oct;50(4):580–4
Time orientation and ghetto patients. Bell CC.
Am J Psychiatry 1980 Oct;137(10):1279
Colombia's poverty poignant reminder to conserve resources. Mauldin B. **AORN J** 1981 May;33(6):1150–5
Poverty in Australia: some unfinished business. Hollingworth P. **Aust Fam Physician** 1980 Aug;9(8):540–5
Structural aspects of maternal speech to infants reared in poverty. Adams JL, et al. **Child Dev** 1980 Dec;51(4):1280–4
Rural health clinics serve 'invisible poor'. Douglas VT.
Forum 1980 Aug;4(3):23–8
To be black, poor, and aged in South Africa. Lawton MP.
Gerontologist 1981 Jun;21(3):235–9
Utilization patterns of a CMHC in an urban ghetto area. Rosen A, et al. **Hosp Community Psychiatry** 1980 Oct; 31(10):702–4
Pattern of care during pregnancy and lactation in Sunderpur (An urban slum area of Varanasi). Agarwal DK, et al.
Indian J Public Health 1980 Apr–Jun;24(2):82–7
Psychotherapy for the economically disadvantaged: contributions from the social sciences. Goldensohn SS.
J Am Acad Psychoanal 1981 Apr;9(2):291–302
Screening of asymptomatic bacteriuria in a disadvantaged school population. Diamond EF, et al. **J Fam Pract** 1981 Feb;12(2):357–9
Medical care transfers, poverty and the aged. Moon M, et al. **J Health Polit Policy Law** 1981 Spring;6(1):29–39
Attitudinal and situational factors in the use of physician services by low-income persons. Crandall LA, et al.
J Health Soc Behav 1981 Mar;22(1):64–77
Intestinal parasites in slum dwellers. Joshi CK, et al.
J Indian Med Assoc 1980 Oct 16;75(8):156–9
Crisis in health care for the poor. Thompson VR.
J Natl Med Assoc 1980 Nov;72(11):1037–9
The union doctor. Bloor DU. **J R Coll Gen Pract** 1980 Jun; 30(215):358–64
Initial mothering patterns of low-income black primiparas. Bampton B, et al. **JOGN Nurs** 1981 May–Jun;10(3):174–8
Prevalence of leprosy among slum dwellers. Marshall JT, et al. **Lepr India** 1981 Jan;53(1):70–82
Medicaid and the health care of children in poverty and near poverty: some successes and failures. Gortmaker SL.
Med Care 1981 Jun;19(6):567–82
WIC—agent for improved health. Douglass EI, et al.
Nebr Med J 1981 Jun;66(6):133–5
Health problems of residents in single-room occupancy hotels. Buff DD, et al. **NY State J Med** 1980 Dec; 80(13):2000–5
The pound of cure. Dusseau JL. **Perspect Biol Med** 1981 Spring;24(3):352–7
Health and the assault on poverty in low income countries. McEvers NC. **Soc Sci Med [Med Econ]** 1980 Mar; 14(1):41–57
[Fourth-world children health and welfare (author's transl)] De la Gorce B, et al. **Ann Pediatr (Paris)** 1981 Feb; 28(2):79–89 (Eng. Abstr.) **(Fre)**
[Socially handicapped children – analysis and chances of intervention (author's transl)] Hartung K.
Oeff Gesundheitswes 1980 Dec;42(12):930–7 (Eng. Abstr.) **(Ger)**

POVERTY AREAS see under **POVERTY**

POVIDONE

Pseudobacteremia attributed to contamination of povidone-iodine with Pseudomonas cepacia. Berkelman RL, et al. **Ann Intern Med** 1981 Jul;95(1):32–6
Depletion and exchange of cholesterol from the membrane of vesicular stomatitis virus by interaction with serum lipoproteins or poly(vinylpyrrolidone) complexed with bovine serum albumin. Pal R, et al. **Biochemistry** 1981 Feb 3;20(3):530–9
Synthesis and characterization of PVNO and PVNO-PVP hydrogels. Hasirci VN. **Biomaterials** 1981 Jan;2(1):3–8
Hazards of surgical glove powders [letter] Fraser I.
Br Med J 1980 Oct 18;281(6247):1072
Interaction of chromaffin granules with plasma membranes mediated by Ca2+ and Mg2+-ATP using self-generating gradients of Percoll. von Grafenstein H, et al.
FEBS Lett 1981 Jan 26;123(2):238–40
The applicability of freeze-thaw Percoll gradients to whole-cell isopycnic fractionations: preliminary results. Cooper AJ, et al. **J Immunol Methods** 1980;37(3–4):353–61
Isolation of human monocytes on re-orienting gradients of Percoll. Hardin JA, et al. **J Immunol Methods** 1981; 40(1):1–6
Rapid quantitation of neutrophil chemotaxis: use of a polyvinylpyrrolidone-free polycarbonate membrane in a multiwell assembly. Harvath L, et al.
J Immunol Methods 1980;37(1):39–45
Sorption properties of cross-linked insoluble polyvinylpyrrolidone. Frömming KH, et al.
J Pharm Sci 1981 Jul;70(7):738–43
Interaction of povidone with aromatic compounds I: Evaluation of complex formation by factorial analysis. Plaizier-Vercammen JA, et al. **J Pharm Sci** 1980 Dec; 69(12):1403–8
Pseudobacteremia caused by povidone-iodine solution contaminated with Pseudomonas cepacia. Craven DE, et al. **N Engl J Med** 1981 Sep 10;305(11):621–3
[Comparison between 2 density gradients for separation of CFU] Vannier JP, et al. **Biomedicine** 1980 Nov;33(7):236–9 (Eng. Abstr.) **(Fre)**
[Granulometric determination of the effect of polyvinylpyrrolidone on the dissolution rates of difficultyly soluble drugs (author's transl)] Voigt R, et al.
Pharmazie 1980;34(5–6):311–2 (Eng. Abstr.) **(Ger)**
[Viability of bone marrow cells preserved in a liquid medium containing polyvinylpyrrolidone] Lavrik SS, et al.
Vrach Delo 1980 Dec;(12):51–4 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Refractive keratoplasty with intrastromal hydrogel lenticular implants. McCarey BE, et al. **Invest Ophthalmol Vis Sci** 1981 Jul;21(1 Pt 1):107–15

ANALOGS & DERIVATIVES

Increased serum iodide concentration from iodine absorption through wounds treated topically with povidone-iodine. Aronoff GR, et al. **Am J Med Sci** 1980 May–Jun;

279(3):173–6

The use of povidone–iodine to prevent postoperative wound infection. Rice DH, et al. **Arch Otolaryngol** 1981 May; 107(5):287

Successful management of prosthetic graft infection with continuous povidone–iodine irrigation. Kwaan JH, et al. **Arch Surg** 1981 May;116(5):716–20

Influence of biological fluids on the release of 125I from povidone–iodine. Abdullah ME, et al. **Arzneimittelforsch** 1981;31(5):828–30

Release and organ distribution of 125I from povidone–iodine under the influence of certain additives. Abdullah ME, et al. **Arzneimittelforsch** 1981;31(1):59–61

Fluid endocytosis by rat liver and spleen. Experiments with 125I–labelled poly(vinylpyrrolidone) in vivo. Munniksma J, et al. **Biochem J** 1980 Nov 15;192(2):613–21

The effect of pre–operative povidone iodine vaginal pessaries on vault infections after hysterectomy. Blackmore MA, et al. **Br J Obstet Gynaecol** 1981 Mar;88(3):308–13

The effect of topical povidone iodine on wound infection following abdominal surgery. Gray JG, et al. **Br J Surg** 1981 May;68(5):310–3

The effect of topical povidone–iodine on the incidence of infection in surgical wounds. Walsh JA, et al. **Br J Surg** 1981 Mar;68(3):185–9

Pre–operative bladder irrigation with povidone–iodine. Merimsky E, et al. **Br J Urol** 1981 Aug;53(4):330–2

Povidone–iodine antisepsis for transrectal prostatic biopsy. Rees M, et al. **Br Med J** 1980 Sep 6;281(6241):650

Use of 5% povidone–iodine aerosol for recurrent genital herpes [letter] Tummon I. **Can Med Assoc J** 1981 May 15;124(10):1257

Prophylactic povidone iodine in minor wounds. Naunton Morgan TC, et al. **Injury** 1980 Sep;12(2):104–6

Comparison of silver sulfadiazine, povidone–iodine and physiologic saline in the treatment of chronic pressure ulcers. Kucan JO, et al. **J Am Geriatr Soc** 1981 May; 29(5):232–5

Protein–linked iodotyrosines in serum after topical application of povidone–iodine (Betadine). Alexander NM, et al. **J Clin Endocrinol Metab** 1981 Jul;53(1):105–8

Assessment of somatogenotoxicity of povidone–iodine using two in vitro assays. Kessler FK, et al. **J Environ Pathol Toxicol** 1980 Sep;4(2–3):327–35

Suppressor cell induction by povidone–iodine: in vitro demonstration of a consequence of clinical burn treatment with betadine. Ninnemann JL, et al. **J Immunol** 1981 May; 126(5):1905–8

Vaginitis: a study of the efficacy of povidone–iodine in unselected cases. Mayhew SR. **J Int Med Res** 1981; 9(2):157–9

A study to determine the effect of Betadine Vaginal Cleansing Kit on cervical flora after insertion of an intra–uterine contraceptive device. Obaidullah M. **J Int Med Res** 1981;9(3):161–4

Aspiration pneumonia from povidone–iodine (Betadine): report of case. Howe DJ. **J Oral Surg** 1981 Mar;39(3):224–5

Vaginal infection therapy after premature rupture of the membranes. Saling E, et al. **J Perinat Med** 1981;9 Suppl 1:41–3

Prevention of wound infection by an antiseptic wound protector [letter] Pollock AV. **J R Soc Med** 1980 Nov; 73(11):831

Comparison of a microbicidal povidone–iodine gel and a placebo gel as catheter lubricants. Harrison LH. **J Urol** 1980 Sep;124(3):347–9

Preparation of the vagina for surgery. A comparison of povidone–iodine and saline solution. Amstey MS, et al. **JAMA** 1981 Feb 27;245(8):839–41

Vaginal absorption of povidone–iodine. Vorherr H, et al. **JAMA** 1980 Dec 12;244(23):2628–9

Clinical and economic consequences of wound sepsis after appendicectomy and their modification by metronidazole or povidone iodine. Foster GE, et al. **Lancet** 1981 Apr 4;1(8223):769–71

Dangerous betadine dispensing [letter] Crompton DO. **Med J Aust** 1980 Aug 23;2(4):226

Betadine surgical scrub: a warning [letter] Crompton DO, et al. **Med J Aust** 1980 Nov 29;2(11):632

Use of an analog of prostaglandin F2 alpha (ONO–1052) in cows with luteinized ovarian cysts following treatment with an analog of luteinizing hormone–releasing hormone (TAP–031) and/or polyvinyl pyrrolidone–iodine solution. Nakao T, et al. **Nippon Juigaku Zasshi** 1980 Jun;42(3):373–5

An experimental evaluation of the germicidal efficacy of three topical antimicrobial agents in burns. Rode H, et al. **Prog Pediatr Surg** 1981;14:189–208

Peritoneal lavage with povidone–iodine solution in experimentally induced peritonitis. Lores ME, et al. **Surg Gynecol Obstet** 1981 Jul;153(1):33–8

Use of povidone iodine in continuous ambulatory peritoneal dialysis (CAPD) — a technique to reduce the incidence of infectious peritonitis. Yee E, et al. **Trans Am Soc Artif Intern Organs** 1980;26:223–4

Evaluation of povidone–iodine as vesical irrigant for treatment and prevention of urinary tract infections. Sharpe JR, et al. **Urology** 1981 Apr;17(4):335–8

DIAGNOSTIC USE

Contrast enhancement of malignant tumors after intravenous polyvinylpyrrolidone with metallic salts as determined by computed tomography. Young SW, et al. **Radiology** 1981 Jan;138(1):97–105

IMMUNOLOGY

The regulation of the immune response to polyvinylpyrrolidone: antigen induced changes in prostaglandin and cyclic nucleotide levels. Zimecki M, et al. **Arch Immunol Ther Exp (Warsz)** 1980;28(2):179–97

Induction of IgG memory responses with polyvinylpyrrolidone (PVP) is antigen dose dependent. Lite HS, et al. **J Immunol** 1981 Mar;126(3):928–33

METABOLISM

Differential uptake of a macromolecule by yolk sac and embryo of early rat conceptuses cultured in vitro. Freeman SJ, et al. **Biochem Soc Trans** 1980 Aug;8(4):434

[Random comparative study of polyvinylpyrrolidone–doxycycline and N–pyrrolidinomethyltetracycline with determinations in serum, bile, gallbladder wall, peritoneum and abdominal muscle] Moorthi K, et al. **Med Welt** 1980 Jun 20; 31(25):963–5 **(Ger)**

PHARMACODYNAMICS

Suppression of IgE antibodies to the (4–hydroxy–3–iodo–5–nitrophenyl)acetyl (NIP) group and induction of NIP–specific suppressor cells with NIP–poly–N–vinylpyrrolidone conjugates. Lee WY, et al. **Eur J Immunol** 1981 Jan;11(1):13–7

Ultrastructural effects of the high molecular weight cryoprotectants Dextran and polyvinyl pyrrolidone on liver and brown adipose tissue in vitro. Barnard T. **J Microsc** 1980 Sep;120(Pt 1):93–104

[Thromboresistant properties of hydrophilic gels] Chepurov AK, et al. **Polim Med** 1980;10(3):121–33 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

The use of povidone iodine in the treatment of burns. A literature review. Tommey RC, et al. **J Okla State Med Assoc** 1980 Dec;73(12):406–8

[Improvement of clinical symptoms and endoscopic features of reflux oesophagitis by polyvinyl–polypyrralidone (author's transl)] Vollenweider E, et al. **Praxis** 1981 Mar 31;70(14):618–21 (Eng. Abstr.) **(Fre)**

[Blood lipids and phospholipids of delirium tremens patients in the process of treatment with hemodes] Zinchenko LN, et al. **Zh Nevropatol Psikhiatr** 1981;81(2):89–94 (Eng. Abstr.) **(Rus)**

POVIDONE–IODINE see under **POVIDONE**

POWASSAN VIRUS see under **ENCEPHALITIS VIRUSES, TICK–BORNE**

POWDERS

The granulation of ternary mixtures: the effect of the wettability of the powders. Jaiyeoba KT, et al. **J Pharm Pharmacol** 1980 Jun;32(6):386–8

The effect of punch tip geometry on powder movement during the tableting process. Sixsmith D, et al. **J Pharm Pharmacol** 1981 Feb;33(2):79–81

Particle–size analysis of pharmaceutical powders. Beaubien LJ, et al. **J Pharm Sci** 1980 Jun;69(6):651–5

Bonding mechanisms and hysteresis areas in compression cycle plots. Carstensen JT, et al. **J Pharm Sci** 1981 Feb; 70(2):222–3

Mixing of pharmaceutical solids. II: Evaluation of multicomponent mixing of cohesive powders in cylindrical shear mixer. Chowhan ZT, et al. **J Pharm Sci** 1981 Mar; 70(3):243–7

Mixing of pharmaceutical solids. III: Multivariate statistical analysis of multicomponent mixing. Chowhan ZT, et al. **J Pharm Sci** 1981 Mar;70(3):247–51

Relationship between flow rates of granular powders through stationary and moving orifices. Laughlin SM, et al. **J Pharm Sci** 1981 Jun;70(6):711–3

Densification of powders by concavo–convex roller compactor. Parrott EL. **J Pharm Sci** 1981 Mar;70(3):288–91

[The flow of powders: effect of the nature and form of the flow cone] Casahoursat L, et al. **Farmaco [Prat]** 1979 Dec; 34(12):509–22 (Eng. Abstr.) **(Fre)**

[On some parameters for the investigation and evaluation of the deformation behaviour of powder mixtures during tabletting (author's transl)] Dinev P, et al. **Pharmazie** 1981; 36(1):37–40 (Eng. Abstr.) **(Ger)**

[On the production and the characterization of spray embeddings (author's transl)] Kala H, et al. **Pharmazie** 1981; 36(2):106–11 (Eng. Abstr.) **(Ger)**

[Effect of temperature on adhesive and compaction properties of some organic powders (author's transl)] Danjo K, et al. **Yakugaku Zasshi** 1980 Sep;100(9):893–9 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Hazards of surgical glove powders [letter] Fraser I. **Br Med J** 1980 Oct 18;281(6247):1072

Baby powder—a hazard! Mofenson HC, et al. **Pediatrics** 1981 Aug;68(2):265–6

[Accidental aspiration of baby powder. Radiographic findings, preventive and therapeutic aspects] Gutermuth M, et al. **Intensivmed Prax** 1980;(2):83–92 **(Ger)**

POWER PLANTS

Hazards of nuclear power plants [letter] Allison WW. **Am Ind Hyg Assoc J** 1980 May;41(5):A38

Isolation of Naegleria fowleri from the cooling pond of an electric power plant in France. Dive DG, et al. **Ann Microbiol (Paris)** 1981 Jan–Feb;132A(1):97–105

Resolution concerning the stockpiling of potassium iodide in New York City in the event of a nuclear accident. The Committee on Public Health, The New York Academy of Medicine. **Bull NY Acad Med** 1981 Jun;57(5):395–9

An interpretative literature analysis evaluating the effects of power plant chlorination on freshwater organisms. Hall LW Jr, et al. **CRC Crit Rev Toxicol** 1981;9(1):1–20 (80 ref.)

In situ monitoring with Tradescantia around nuclear power plants. Ichikawa S. **Environ Health Perspect** 1981 Jan; 37:145–64

Mortality in 191 counties near energy facilities: use of economic and social variables for standardization. Dixon–Davis DK, et al. **Environ Res** 1981 Jun;25(1):106–25

Fallout of cesium–137 on a forest ecosystem in the vicinity of a nuclear fuel reprocessing plant. Adriano DC, et al. **Health Phys** 1981 Mar;40(3):369–76

Fractionation of radionuclides in liquid samples from nuclear power facilities. Bernabee RP, et al. **Health Phys** 1980 Jul; 39(1):57–67

Occupational radiation exposure at nuclear power plants in Japan. Imahori A. **Health Phys** 1981 Mar;40(3):317–22

Dose–rate conversion factors for external exposure to photon and electron radiation from radionuclides occurring in routine releases from nuclear fuel cycle facilities. Kocher DC. **Health Phys** 1980 Apr;38(4):543–621

Chromosome analyses of nuclear–power plant workers. Bauchinger M, et al. **Int J Radiat Biol** 1980 Nov; 38(5):577–81

The government's role in energy production. Mabon D. **J Soc Occup Med** 1981 Jan;31(1):1–3

The impact of natural radioactivity from a coal–fired power plant. Bauman A, et al. **Sci Total Environ** 1981 Jan; 17(1):75–81

[Risk analysis in nuclear technics. German risk study of nuclear power plants] Bayer A. **Fortschr Med** 1981 May 28;99(20):775–82 (Eng. Abstr.) **(Ger)**

[License in accordance with paragraph 20 of the Radiation Protection Ordinance for activities in foreign nuclear plants] Ehret R. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1980 Oct;30(10):382–7 (Eng. Abstr.) **(Ger)**

[Some environmental problems in energy production] Campos Venuti G, et al. **Ann Ist Super Sanita** 1980; 16(2):361–83 **(Ita)**

[Current radioecology problems in light of goals of atomic power engineering] Aleksakhin RM, et al. **Radiobiologiia** 1981 Jan–Feb;21(1):97–108 (35 ref.) (Eng. Abstr.) **(Rus)**

[Medical aspects of nuclear energy in Slovakia] Carach J, et al. **Bratisl Lek Listy** 1981 Aug;76(2):231–40 **(Slo)**

STANDARDS

Debate over waste imperils 3–mile cleanup. Carter LJ. **Science** 1980 Oct 10;210(4466):166–8, 170

POWER SOURCES

Failure of battery–operated alarms. Mazza N, et al. **Anesthesiology** 1980 Sep;53(3):246–8

How to convert your Davol–Simon Dermatome so that it operates on flashlight batteries. Trimble JW. **Cutis** 1980 Aug;26(2):177–8

Percutaneous energy transmission systems (PETS). Daly BD, et al. **Trans Am Soc Artif Intern Organs** 1980;26:244–50

[Energy sources for long–term implantable devices (author's transl)] Baurschmidt P, et al. **Biomed Tech (Berlin)** 1980 Apr;25(4):95–101 (26 ref.) (Eng. Abstr.) **(Ger)**

[A mobile overload–protected, single–tank X–ray generator for 17 kW short–time rated power output (author's transl)] Wach P, et al. **Biomed Tech (Berlin)** 1981 Jan–Feb; 26(1–2):15–8 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Sparks, low voltage sources and flammable anaesthetics. Russell WJ, et al. **Anaesth Intensive Care** 1981 May; 9(2):154–7

[Hazard of body lead intake in storage battery manufacture] Liubchenko PN, et al. **Gig Tr Prof Zabol** 1981 Jan;(1):40–2 **(Rus)**

INSTRUMENTATION

Rechargeable batteries– The cost:benefit ratio. Hargest TS. **Med Instrum** 1981 Jan–Feb;15(1):46–7

STANDARDS

Present status of requirements for isolated power systems. Staewen WS. **Med Instrum** 1981 Jan–Feb;15(1):9–10

Longevity comparisons among lithium anode power cells for cardiac pacemakers. Hurzeler P, et al. **PACE** 1980 Sep; 3(5):555–61

SUPPLY & DISTRIBUTION

Geothermal energy--a viable energy source for health facilities. Berg GW. **Public Health Rep** 1981 Mar-Apr; 96(2):99-104

Heat recovery from incineration of solid waste from hospitals. Sparks S. **Public Health Rep** 1981 Mar-Apr; 96(2):105-10

POWER SOURCES, BIOELECTRIC see **BIOELECTRIC ENERGY SOURCES**

POXVIRIDAE

ANALYSIS

Study of genome homology of some orthopoxviruses. Chernos VI, et al. **Acta Virol (Praha)** 1980 Mar;24(2):81-8

GENETICS

The white pock (mu) mutants of rabbit poxvirus. III. Terminal DNA sequence duplication and transposition in rabbit poxvirus. Moyer RW, et al. **Cell** 1980 Nov;22(2 Pt 2):545-53

Intragenomic sequence transposition in monkeypox virus. Esposito JJ, et al. **Virology** 1981 Mar;109(2):231-43

The white pock mutants of rabbit poxvirus. II. The early white pock (mu) host range (hr) mutants of rabbit poxvirus uncouple transcription and translation in nonpermissive cells. Moyer RW, et al. **Virology** 1980 Oct 30;106(2):234-49

IMMUNOLOGY

Characterization of antibodies to orthopoxviruses in human sera by radioimmunoassay. Walls HH, et al. **Bull WHO** 1981;59(2):253-62

Characterization of the Indian Buffalo (Bos bublis) immunoglobulin G & its quantitation after buffalopox virus infection. Grover YP, et al. **Indian J Exp Biol** 1980 Jul; 18(7):675-8

An immunohistologic study of Shope fibroma virus in rabbits: tumor rejection by cellular reaction in adults and progressive systemic reticuloendothelial infection in neonates. Sell S, et al. **JNCI** 1981 Feb;66(2):363-73

Immune response to Newcastle disease virus vaccine, fowl-pox vaccine, and Escherichia coli vaccine in Bedouin and White Leghorn chickens. Heller D, et al. **Poult Sci** 1981 Jan;60(1):34-7

Effect of subcutaneous pox vaccination of young chicks on immune responses and weight gains. Springer WT, et al. **Poult Sci** 1981 Jun;60(6):1213-20

A pilot study of the potency of a combined Newcastle disease (fowl pox) fowl typhoid vaccine. I. The Newcastle disease component. Adene DF, et al. **Zentralbl Veterinaermed [B]** 1980;27(4):320-5

A short note on sheep pox virus soluble antigens studied by immunodiffusion. Sambyal DS, et al. **Zentralbl Veterinaermed [B]** 1980;27(4):340-3

Cutaneous hypersensitivity in sheep injected with sheep pox virus soluble antigens. Sambyal DS, et al. **Zentralbl Veterinaermed [B]** 1980;27(7):544-8

[Lumpy skin disease in cattle. II. Production of a lyophilized vaccine using live virus] Lefevre PC. **Rev Elev Med Vet Pays Trop** 1979;32(3):233-9 (Eng. Abstr.) **(Fre)**

[Effectiveness of para-immunization for the control of piglet breeding losses and enzootic pneumonia of swine (piglet influenza)] Mayr A, et al. **Zentralbl Veterinaermed [B]** 1980; 27(7):589-98 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Isolation and identification of the Sersenk strain of goa. pox virus in Iraq. Tantawi HH, et al. **Trop Anim Health Prod** 1979 Nov;11(4):208-10

[Use of the immunoperoxidase method for the rapid detection of togaviruses, orthopoxviruses and their antibodies] Sveshnikova NA, et al. **Vopr Virusol** 1980 Sep-Oct; (5):631-5 (Eng. Abstr.) **(Rus)**

METABOLISM

The polypeptides of monkeypox virus: I. Analysis of the polypeptide synthesis of MPV by SDS-PAGE and by two-dimensional electrophoresis. Kilpatrick D, et al. **Virology** 1981 Apr 30;110(2):455-65

ULTRASTRUCTURE

Isolation of surface tubules of fowlpox virus. Carter JK, et al. **Avian Dis** 1981 Apr-Jun;25(2):454-62

POXVIRUS INFECTIONS

DIAGNOSIS

Detection of mouse ectromelia virus using the heterologous rabbit antiserum conjugated with fluorescein isothiocyanate. Říhová B, et al. **Folia Microbiol (Praha)** 1980;25(5):442-4

IMMUNOLOGY

Cellular and humoral immune responses to buffalopox virus in experimentally infected mice and rabbits. Kaushik AK, et al. **Immunology** 1980 Sep;41(1):153-8

OCCURRENCE

Bovine papular stomatitis incidence in veterinary students. Schnurrenberger PR, et al. **Can J Comp Med** 1980 Jul; 44(3):239-43

Mouse pox threat [letter] Wallace GD. **Science** 1981 Jan 30; 211(4481):438

PREVENTION & CONTROL

Synergic effects of interferon and interferon inducer against ectromelia virus infection in mice. Imanishi J, et al. **Biken J** 1980 Jun;23(2):77-81

The threat of mouse pox [letter] Wallace GD. **J Immunol** 1981 Apr;126(4):1648

VETERINARY

Spontaneous pustular dermatitis in a newborn piglet associated with a poxvirus. Neufeld JL. **Can Vet J** 1981 May;22(5):156-8

Poxvirus and multiple tumors in an eastern gray squirrel. O'Connor DJ, et al. **J Am Vet Med Assoc** 1980 Nov 1; 177(9):792-5

Occurrence of pox in a northern fur seal on the Pribilof Islands in 1951. Hadlow WJ, et al. **J Wildl Dis** 1980 Apr; 16(2):305-12

Naturally occurring Yaba tumor in a baboon (Papio papio). Bruestle ME, et al. **Lab Anim Sci** 1981 Jun;31(3):292-4

Evidence of sheep pox in Nigeria. Asagba MO, et al. **Trop Anim Health Prod** 1981 Feb;13(1):61

Isolation and identification of the Sersenk strain of goat pox virus in Iraq. Tantawi HH, et al. **Trop Anim Health Prod** 1979 Nov;11(4):208-10

POXVIRUS MURIS see **ECTROMELIA VIRUS**

POXVIRUS VARIOLAE see **SMALLPOX VIRUS**

PPLO see **MYCOPLASMA**

PRACTICE (PSYCHOLOGY)

Improved digit symbol substitution by older women as a result of extended practice. Beres CA, et al. **J Gerontol** 1981 Sep;36(5):591-7

Effects of variability of practice in a movement-education program on motor skill performance. Moore JB, et al. **Percept Mot Skills** 1981 Jun;52(3):779-84

Serum cortisol response to incremental work in experienced and naive subjects. Davis HA, et al. **Psychosom Med** 1981 Apr;43(2):127-32

PRACTICE MANAGEMENT, DENTAL

Management--a selection process [editorial] Watson WG. **Am J Orthod** 1980 Nov;78(5):575-7

Computer evolution or revolution [editorial] Watson WG. **Am J Orthod** 1980 Dec;78(6):674-6

How to keep your financial records straight. Gordon E. **Br Dent J** 1981 Jun 16;150(12):358-9

A computerised dental practice. Taylor GK. **Br Dent J** 1981 Feb 3;150(3):73

Use of computers in dental office management. Crandell CE. **Int Dent J** 1980 Sep;30(3):226-33

Managing innovation and change in an organization: six principles. Christen AG. **J Am Coll Dent** 1981 Summer; 48(2):74-7

Computer technology in dental practice. Council on Dental Practice. **J Am Dent Assoc** 1980 Dec;101(6):938-44

Guidelines for dental office management systems. Corsentino F. **NY State Dent J** 1980 Oct;46(8):488-9

Guidelines for dentist-employers faced with union organizational activities among their employees. Power JM. **NY State Dent J** 1980 Oct;46(8):500-2

[Pilot study of the professional practice plans of final-year dental students at the State University of Ghent] Adriaens PA. **Rev Belge Med Dent** 1981 Mar;36(2):90-2 **(Dut)**

[Professional practice in regional public health and its role in the education and training of future dentists] Buth K, et al. **Stomatol DDR** 1980;30(9):635-40 **(Ger)**

[Teamwork in dental practice. System for work distribution and personnel guidance as a basis for optimum efficiency] **ZWR** 1980 Aug;89(8):24-33 **(Ger)**

[My workday. Report of a carefully planned and total practice system] Schleppegrell E. **ZWR** 1980 Jun; 89(6):28-33 **(Ger)**

ECONOMICS

In-office data analysis without a computer. O'Connor JT. **J Am Dent Assoc** 1980 Oct;101(4):655-60

Taking stock in your practice: should you incorporate? Fitzgerald TA. **NY State Dent J** 1980 Oct;46(8):474-80

Capitation is part of my practice. Rosenberg E. **NY State Dent J** 1980 Oct;46(8):485-6

Much ado about advertising! Valinoti JR. **NY State Dent J** 1980 Oct;46(8):472-3

PRACTICE MANAGEMENT, MEDICAL

A comparison of medical record with billing diagnostic information associated with ambulatory medical care. Studney DR, et al. **Am J Public Health** 1981 Feb; 71(2):145-9

Instant billing systems: which one to buy? Fry F, et al. **Aust Fam Physician** 1980 Dec;9(12):881-6

A computer in every surgery? [letter] Sheldon MG, et al. **Br Med J** 1980 Jul 26;281(6235):309-10

Private practice. **Br Med J [Clin Res]** 1981 Mar 7; 282(6266):841-2

Management and medical practice [letter] Sim M. **Can J Psychiatry** 1981 Mar;26(2):141

Use of a consultant in the recruiting process. Beck LC, et al. **Del Med J** 1980 Oct;52(10):555-6

The recruiting process in a medical office. Beck LC, et al. **Del Med J** 1980 Sep;52(9):503-7

High income Medicaid practices. Cromwell J, et al. **Inquiry** 1981 Spring;18(1):18-27

A time management system for preventing physician impairment. Spears BW. **J Fam Pract** 1981 Jul;13(1):75-80

Corporate retirement plans for 1980. Beck LC, et al. **J Indiana State Med Assoc** 1980 Dec;73(12):786-7

Retirement plans available to medical practices. Ott LL. **J Med Assoc Ga** 1980 Oct;69(10):855-6

A comparison of workload and morbidity recording by partners in a group practice. Carney TA. **J R Coll Gen Pract** 1980 May;30(214):271-7

Why not have a suggestions box in the surgery? Maycock C, et al. **J R Coll Gen Pract** 1980 May;30(214):292

The computer in the doctor's office. Pocklington PR. **Med Inf (Lond)** 1980 Jul-Sep;5(3):237-41

Increase in physicians affect practice management. Beck LC, et al. **Mo Med** 1980 Nov;77(11):680-3

The need for 'pr thinking' in your medical practice. Beck LC, et al. **Mo Med** 1981 Apr;78(4):206-9

Effective records management. Korneluk G. **NC Med J** 1981 Jun;42(6):413-4

When the doctor dies. Burns JR. **NY State J Med** 1981 May; 81(6):945-7

Information control for a general ophthalmic practice. Carmichael PL, et al. **Ophthalmology (Rochester)** 1981 Feb; 88(2):150-4

Consultants bring expertise to recruiting process. Beck LC, et al. **Pa Med** 1980 Nov;83(11):28

Hints for the hiring season: Dr. New and you. Beck LC, et al. **Pa Med** 1980 Dec;83(12):28-9, 31

Planning for distributions from retirement plans. Beck LC, et al. **Pa Med** 1981 Mar;84(3):33-4

Legal and ethical aspects of closing your practice. Beck LC, et al. **Pa Med** 1981 Feb;84(2):38-9

Organizing the physician's office. Sparer CN. **Pediatr Clin North Am** 1981 Aug;28(3):537-49

Effective practice management. Barley NH. **Practitioner** 1980 Oct;224(1348):997-8

Effective practice management. McGuinness BW. **Practitioner** 1980 Nov;224(1349):1120-1

Effective practice management. Murray MD. **Practitioner** 1980 Nov;224(1349):1122-3

Effective practice management. Shimmin CM. **Practitioner** 1980 Nov;224(1349):1118-9

Effective practice management--all you need is love. Zermansky AG. **Practitioner** 1980 Oct;224(1348):993-4

Failed appointments. Who misses them, why they are missed, and what can be done. Barron WM. **Primary Care** 1980 Dec;7(4):563-74 (22 ref.)

[Racionalization of the medical practice. Laboratory application] Ponce P. **Acta Med Port** 1979 Sep-Oct; 1(5):621-32 (Eng. Abstr.) **(Por)**

[Operational experience of an automatic polyclinic management system] Shakhmatov VI, et al. **Sov Zdravookhr** 1980;(12):30-2 **(Rus)**

ECONOMICS

Private practice-3. Hepburn PF. **Br J Hosp Med** 1981 Jun; 25(6):614, 616

Basic borrowing. Hepburn PF. **Br J Hosp Med** 1981 Feb; 25(2):170-1

Do microcomputers have a place in medical practice? [letter] McAlister NH. **Can Med Assoc J** 1980 Jul 5;123(1):12, 15

Group or solo practice: is finance the only consideration? Powers G. **Can Med Assoc J** 1981 May 1;124(9):1206, 1208-9

Dividing income in a group practice: medical practice management. Kalogredis VJ, et al. **J Indiana State Med Assoc** 1981 Mar;74(3):140-2

Transferring ownership of medical practice; how to avoid unfavorable tax results. Goldberg G. **NY State J Med** 1981 Jan;81(1):99-102

Practice management. Choosing a retirement plan late in your career. Anders GT, et al. **Pa Med** 1981 Jun;84(6):18-20

Phasing down your obligations as retirement approaches. Beck LC, et al. **Pa Med** 1981 May;84(5):49-51

Estate planning for the senior physician. Beck LC, et al. **Pa Med** 1981 Jul;84(7):35-6

Anti-trust violations and practicing physicians. Jones KB. **Pa Med** 1981 Jul;84(7):17-8

Professional liability and financial planning. Beech TR. **Tex Med** 1980 Dec;76(12):54-8

Some considerations in the closing of a physician's practice. **Wis Med J** 1981 Jun;81(6):48-9

Problems of a physician's widow/er. **Wis Med J** 1981 Jun; 81(6):50-1

LEGISLATION & JURISPRUDENCE

Maintenance of books of account compulsory for medical practitioners. Lakhotia RN. **J Indian Med Assoc** 1980 Mar 1;74(5):100–1

STANDARDS

Common complaints of medical office assistants. Price D. **Can Med Assoc J** 1981 Jan 1;124(1):90–4
Keeping a professional corporation intact. Susman J, et al. **Pa Med** 1981 May;84(5):46–7
Purchasing a medical office minicomputer system. Guidelines and considerations. Mainster MA, et al. **Surv Ophthalmol** 1981 May–Jun;25(6):391–6
Guidelines for implementation of joint practice of physicians and nurses. **Wis Med J** 1981 Jun;81(6):38–41

TRENDS

Increase in physicians affects practice arrangements. Medical practice management. Beck LC, et al. **J Indiana State Med Assoc** 1980 Nov;73(11):720–3
Physicians' practice experience during the decade of the 1970s. Glandon GL, et al. **JAMA** 1980 Dec 5; 244(22):2514–8
Physician incentives for shared management of childhood cancer patients. Strayer FH, et al. **Pediatrics** 1981 Jun; 67(6):833–7
Increase in physicians affects practice arrangements. Beck LC, et al. **SD J Med** 1981 Jan;34(1):21–4

PRACTOLOL

ADVERSE EFFECTS

Immunological aspects of practolol toxicity. Amos HE. **Int J Immunopharmacol** 1979;1(1):9–16 (22 ref.)
[Ocular toxicity of practolol: study of lacrimal proteins apropos of a case we were permitted to observe] Liotet S, et al. **Bull Soc Ophtalmol Fr** 1981 Feb;81(2):201–4 **(Fre)**

ANALOGS & DERIVATIVES

Hemodynamic actions of prenalterol in severe congestive heart failure due to chronic coronary disease. Awan NA, et al. **Am Heart J** 1981 Feb;101(2):158–61
Clinical results with prenalterol in patients with heart failure. Waagstein F, et al. **Am Heart J** 1981 Sep;102(3 Pt 2):548–54
Hemodynamic effects of intravenous prenalterol in severe heart failure. Kirlin PC, et al. **Am J Cardiol** 1981 Mar; 47(3):670–5
Pharmacokinetic studies in man of the selective beta 1-adrenoceptor agonist, prenalterol. Graffner C, et al. **Eur J Clin Pharmacol** 1981;20(2):91–7
Immediate haemodynamic effects of prenalterol, a new adrenergic beta-1-receptor agonist, in healthy volunteers. Svendsen TL, et al. **Eur J Clin Pharmacol** 1980 Oct; 18(3):219–23
Haemodynamic effects, plasma concentrations and tolerance of orally administered prenalterol in man. Weiss A, et al. **Eur J Clin Pharmacol** 1980 Nov;18(5):383–90
Comparative effects of prenalterol and dobutamine in a canine model of acute ischemic heart failure. Kirlin PC, et al. **J Cardiovasc Pharmacol** 1981 Jul–Aug;3(4):896–905
Determination of prenalterol in plasma and in urine by gas–liquid chromatography. Degen PH, et al. **J Chromatogr** 1981 Mar 13;222(3):437–44
Prenalterol, a non-selective beta-adrenoceptor ligand with absolute beta1-selective partial agonist activity. Hedberg A, et al. **J Pharm Pharmacol** 1980 Sep;32(9):660–1
beta 1-Adrenoceptors mediating relaxation of the guinea-pig trachea: experiments with prenalterol, a beta 1-selective adrenoceptor agonist. Johansson U, et al. **J Pharm Pharmacol** 1981 Jun;33(6):353–6
On the stereospecificity of the beta2-adrenoceptor blocking properties of prenalterol. Johansson U, et al. **J Pharm Pharmacol** 1980 Sep;32(9):659–60
Cardio-selective beta adrenergic stimulation with prenalterol in the conscious dog. Manders WT, et al. **J Pharmacol Exp Ther** 1980 Oct;215(1):266–70
Short- and long-term effects of hydralazine and combined hydralazine-prenalterol therapy in severe chronic congestive heart failure. Drexler H, et al. **Klin Wochenschr** 1981 Jun 15;59(12):647–54
The lack of a pronounced preference of prenalterol for the beta-1-adrenoceptor subtype. Rohm N, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980;315(1):85–8
Cardioselectivity of dobutamine and prenalterol in the pentobarbital anesthetized dog. Strosberg AM, et al. **Proc West Pharmacol Soc** 1981;24:83–7
Disposition in rats and mice of chloropractolol, a new beta-blocking agent. Godeneche D, et al. **Xenobiotica** 1980 Sep;10(9):725–33
[Prenalterol (CGP 7760 B), a new cardioselective beta 1-adrenoceptor-agonist (author's transl)] Piepenbrock S, et al. **Anaesthesist** 1981 Mar;30(3):118–23 (Eng. Abstr.) **(Ger)**
[Echocardiographic measurements of hemodynamic effects and pharmacokinetics of prenalterol (author's transl)] Oltmanns D, et al. **Z Kardiol** 1981 May;70(5):394–8 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Interaction between aminophylline and beta adrenergic blockers 'propranolol' & 'practolol' on the myocardium and tracheal spirals in experimental animals. el-Gawhary NE, et al. **J Egypt Med Assoc** 1979;62(1–2):171–83
[Quantitative morphologic studies on the myocardium in early stages of ontogenesis and after application of various cardioactive agents] Bózner A, et al. **Gegenbaurs Morphol Jahrb** 1980;126(3):307–13 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

[Use of adrenergic beta receptor blockaders in myocardial infarct] Florkiewicz H, et al. **Pol Tyg Lek** 1980 Jun 9; 35(23):853–5 (Eng. Abstr.) **(Pol)**

PRADER-WILLI SYNDROME

BLOOD

Blunted pancreatic polypeptide responses in children with obesity of Prader-Willi syndrome. Zipf WB, et al. **J Clin Endocrinol Metab** 1981 Jun;52(6):1264–6

COMPLICATIONS

Prader-Willi syndrome and scoliosis. Holm VA, et al. **Dev Med Child Neurol** 1981 Apr;23(2):192–201
The obesity hypoventilation syndrome in children with the Prader-Willi syndrome: a possible role for familial decreased response to carbon dioxide. Orenstein DM, et al. **J Pediatr** 1980 Nov;97(5):765–7
Cryptorchidism in the Prader-Willi syndrome. Uehling D. **J Urol** 1980 Jul;124(1):103–4
[Prader-Labhart-Willi syndrome with precocious puberty. (author's transl)] Walterspiel JN, et al. **Klin Paediatr** 1981 Mar;193(2):120–1 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Prader-Willi Syndrome after age 15 years. Laurance BM, et al. **Arch Dis Child** 1981 Mar;56(3):181–6
Prader-Willi syndrome: neonatal presentation and later development. Stephenson JB. **Dev Med Child Neurol** 1980 Dec;22(6):792–5
Prader--Willi syndrome: report of two cases. Isarangkura M, et al. **J Med Assoc Thai** 1980 Jun;63(6):352–8
[The hypotonia-hypomentia-hypogonadism-obesity syndrome (Prader-Willi-Labhart syndrome) in a 38-year-old man] van Bergeijk L, et al. **Ned Tijdschr Geneeskd** 1980 Dec 6;124(49):2090–2 (Eng. Abstr.) **(Dut)**

FAMILIAL & GENETIC

Chromosomal abnormality in Prader-Willi syndrome [letter] Kousseff BG. **Clin Genet** 1980 May;17(5):364–6
Prader-Willi syndrome and a bisatellited derivative of chromosome 15. Wisniewski LP, et al. **Clin Genet** 1980 Jul;18(1):42–7
An extra idic(15p)(q11) chromosome in Prader-Willi syndrome. Fujita H, et al. **Hum Genet** 1980;55(3):409–11
A girl with the Prader-Willi syndrome and Robertsonian translocation 45,XX,t(14;15)(p11;q11) which was present in three normal family members. Smith A, et al. **Hum Genet** 1980;55(2):271–3
Deletions of chromosome 15 as a cause of the Prader-Willi syndrome. Ledbetter DH, et al. **N Engl J Med** 1981 Feb 5;304(6):325–9

PHYSIOPATHOLOGY

[Hypothalamo-hypophyseal-gonadal axis in the Prader-Labhardt-Willi syndrome] Zappulla F, et al. **Minerva Pediatr** 1981 Mar 15;33(5):201–4 (Eng. Abstr.) **(Ita)**
[Endocrinological study on Prader-Willi syndrome: report of four cases and review of literature (author's transl)] Ohashi T, et al. **Nippon Hinyokika Gakkai Zasshi** 1980 Sep; 71(9):999–1009 (Eng. Abstr.) **(Jpn)**

THERAPY

Preventing mental retardation associated with gross obesity in the Prader-Willi syndrome. Crnic KA, et al. **Pediatrics** 1980 Nov;66(5):787–9

PRAJMALINE see under **AJMALINE**

PRALIDOXIME COMPOUNDS

[Reaction of various pralidoximes with ammine pentacyanoferrate (II) ions] Burger N, et al. **Arh Hig Rada Toksikol** 1981;32(1):41–6 (Eng. Abstr.) **(Scr)**

PHARMACODYNAMICS

Aqueous humour pralidoxime mesylate (P2S) concentrations and intraocular tension following intramuscular P2S. Ballantyne B, et al. **Drug Chem Toxicol** 1980;3(3):259–75
Analysis of oxime-induced neuromuscular recovery in guinea pig, rat and man following soman poisoning in vitro. Smith AP, et al. **Eur J Pharmacol** 1981 Mar 26;70(3):371–9
The efficacy of some bis-pyridinium oximes as antidotes to soman in isolated muscles of several species including man. Wolthuis O, et al. **Eur J Pharmacol** 1981 Mar 26; 70(3):355–69
Organophosphate pesticide inhibition of cholinesterase in laboratory animals and man and effects of oxime reactivators. Shellenberger TE. **J Environ Sci Health [B]** 1980;B15(6):795–822

THERAPEUTIC USE

comparison of the efficacy of HS-6 versus HI-6 when combined with atropine, pyridostigmine and clonazepam for soman poisoning in the monkey. Lipp J, et al. **Arch Int Pharmacodyn Ther** 1980 Jul;246(1):138–48

PRAMIVERINE see under **CYCLOHEXYLAMINES**

PRASEODYMIUM

ANTAGONISTS & INHIBITORS

The influence of silybin on the hepatotoxic and hypoglycemic effects of praseodymium and other lanthanides. Strubelt O, et al. **Arzneimittelforsch** 1980;30(10):1690–4

PHARMACODYNAMICS

The influence of lanthanons on morphology and function of rat exocrine pancreas in vivo. Arvela P, et al. **Pathol Res Pract** 1980;169(3–4):330–40

TOXICITY

Erythrocyte alterations in praseodymium-induced lecithin:cholesterol acyltransferase (LCAT) deficiency in the rat: comparison with familial LCAT deficiency in man. Godin DV, et al. **Res Commun Chem Pathol Pharmacol** 1981 Mar;31(3):555–66

PRASTERON see **DEHYDROEPIANDROSTERONE**

PRAYING MANTIS see **DICTYOPTERA**

PRAZEPAM

BLOOD

Concentrations of N-descyclopropylmethylprazepam in whole-blood, plasma, and milk after administration of prazepam to humans. Brodie RR, et al. **Biopharm Drug Dispos** 1981 Jan–Mar;2(1):59–68

METABOLISM

Prazepam metabolism in female subjects. Chasseaud LF, et al. **J Pharm Pharmacol** 1980 Sep;32(9):652–3
[Pharmacokinetics of oral prazepam] Kölle EU. **Fortschr Med** 1981 Jun 11;99(22):874–9 (Eng. Abstr.) **(Ger)**

TOXICITY

Carcinogenesis bioassay of prazepam (Verstran) in rats and mice. de la Iglesia FA, et al. **Toxicol Appl Pharmacol** 1981 Jan;57(1):39–54

PRAZIQUANTEL see under **ISOQUINOLINES**

PRAZOSIN see under **QUINAZOLINES**

PREALBUMIN see under **SERUM ALBUMIN**

PREANESTHETIC MEDICATION

Pediatric premedication: atropine or not? Hendrickx P, et al. **Acta Anaesthesiol Belg** 1980;31 Suppl:195–6
Child premedication per os with lorazepam. Mundeleer P. **Acta Anaesthesiol Belg** 1980;31 Suppl:187–93
Failure of intramuscularly administered lorazepam and scopolamine-morphine premedication to produce amnesic effects to supplement conduction anaesthesia. Korttila K, et al. **Acta Anaesthesiol Scand** 1980 Aug;24(4):325–30
Low dose chlormethiazole infusion as a supplement to central neural blockade: blood concentrations and clinical effects. Mather LE, et al. **Anaesth Intensive Care** 1980 Nov; 8(4):421–5
Temazepam as a premedicant in minor surgery. Amarasekera K. **Anaesthesia** 1980 Aug;35(8):771–4
Atropine--a safe drug. Arthurs GJ, et al. **Anaesthesia** 1980 Nov;35(11):1077–9
Temazepam as premedication in day surgery. Beechey AP, et al. **Anaesthesia** 1981 Jan;36(1):10–5
Cardiovascular responses to anaesthesia. Influence of beta-adrenoreceptor blockade with metoprolol. Coleman AJ, et al. **Anaesthesia** 1980 Oct;35(10):972–8
Migraine and surgery. Avoidance of trigger mechanisms. Fell RH. **Anaesthesia** 1980 Oct;35(10):1006–7
Mixed neuromuscular block: the effect of precurarization. Ferguson A, et al. **Anaesthesia** 1981 Jul;36(7):661–6
Premedication in day care surgery [letter] Goold JE. **Anaesthesia** 1981 Apr;36(4):421–2
Glycopyrrolate in children. A comparison between the effects of glycopyrrolate and atropine administered before induction of anaesthesia. Lavis DM, et al. **Anaesthesia** 1980 Nov;35(11):1068–71

Thiopental–nitrous oxide– halothane anesthesia and repeated succinylcholine: comparison of preoperative glycopyrrolate and atropine administration. Sørensen O, et al. **Anesth Analg (Cleve)** 1980 Sep;59(9):686–9

Plasma atropine concentrations determined by radioimmunoassay after single-dose i.v. and i.m. administration. Berghem L, et al. **Br J Anaesth** 1980 Jun; 52(6):597–601

Plasma concentrations and clinical effects of lorazepam after oral administration. Bradshaw EG, et al. **Br J Anaesth** 1981 May;53(5):517–22

Induction dose of midazolam [letter] Eisenkraft JB, et al. **Br J Anaesth** 1981 Mar;53(3):318

Lorazepam and morphine for i.v. surgical premedication. L'Armand J, et al. **Br J Anaesth** 1980 Dec;52(12):1259–63

Comparative study of the clinical effects of tofizopam, nitrazepam and placebo as oral premedication. Pakkanen A, et al. **Br J Anaesth** 1980 Oct;52(10):1009–12

Fibreoptic bronchoscopy: is sedation necessary? Pearce SJ. **Br Med J** 1980 Sep 20;281(6243):779–80

Premedication with meperidine and atropine does not prolong recovery to street fitness after out-patient surgery. Clark AJ, et al. **Can Anaesth Soc J** 1981 Jul;28(4):390–3

Cimetidine as a prophylactic against acid aspiration at tracheal extuoation. Coombs DW, et al. **Can Anaesth Soc J** 1981 Jan;28(1):33–8

Pre-anaesthetic medication in paediatric day-care surgery. Desjardins R, et al. **Can Anaesth Soc J** 1981 Mar; 28(2):141–8

Anatomical dead space and airway resistance after glycopyrrolate or atropine premedication. Gotta AW, et al. **Can Anaesth Soc J** 1981 Jan;28(1):51–4

Comparison of the calming and sedative effects of nalbuphine and pentazocine for paediatric premedication. Rita L, et al. **Can Anaesth Soc J** 1980 Nov;27(6):546–9

A comparative study on the clinical effects of rectal diazepam and pentobarbital on small children. Relationship between plasma level and effect. Kanto J, et al. **Int J Clin Pharmacol Ther Toxicol** 1980;18(8):348–51

Ketamine for minor gynecologic surgery. Akinyemi OO, et al. **Int J Gynaecol Obstet** 1980;18(6):433–4

An effective method of inducing analgesia and anesthesia for dermatoplastic surgery in an office. Pierce HE. **J Dermatol Surg Oncol** 1981 Jun;7(6):495–6

The preoperative use of cimetidine in reducing acidity of gastric secretion. Seraj MA, et al. **Middle East J Anaesthesiol** 1980 Jun;5(7):445–55

Neonatal effect of prolonged anesthetic induction for cesarean section. Datta S, et al. **Obstet Gynecol** 1981 Sep; 58(3):331–5

Should we pre-oxygenate? Erasmus FR, et al. **S Afr Med J** 1981 Mar 21;59(13):450–1

Pharmacodynamics and reversal of benzodiazepine–ketamine ataranalgesia. Langrehr D, et al. **S Afr Med J** 1981 Mar 18;59(12):425–8

[Cimetidine in pre-anaesthetic premedication. Intra-operative clinical tolerance (author's transl)] Coulbois B, et al. **Anesth Analg (Paris)** 1980; 37(11–12):689–93 (Eng. Abstr.) **(Fre)**

[Gastric acidity induced by cimetidine. Evaluation during general anaesthesia (author's transl)] Riche D, et al. **Anesth Analg (Paris)** 1980;37(11–12):695–9 (Eng. Abstr.) **(Fre)**

[Tiapride as an anesthetic premedication agent (author's transl)] De Buchy P, et al. **Ann Chir** 1981 May;35(5):356–9 (Eng. Abstr.) **(Fre)**

[Benzodiazepine compounds for premedication and in regional and general anaesthesia (author's transl)] Hack G, et al. **Anaesth Intensivther Notfallmed** 1981 Jun; 16(3):128–34 (Eng. Abstr.) **(Ger)**

[The influence of the premedication on subjective postanaesthetic complaints in out-patients (author's transl)] Kreienbühl G. **Anaesthesist** 1980 Aug;29(8):421–4 (Eng. Abstr.) **(Ger)**

[The influence of flunitrazepam on the blood gases during subarachnoid block in geriatric patients (author's transl)] Tonczar L. **Anaesthesist** 1980 Sep;29(9):487–9 (Eng. Abstr.) **(Ger)**

[Triflupromazine–effects in electroencephalogram (author's transl)] Pichlmayr I, et al. **EEG EMG** 1981 Jun;12(2):105–7 (Eng. Abstr.) **(Ger)**

[Flunitrazepam and codeine for oral premedication in children] Dodakova I, et al. **Harefuah** 1980 Jun; 98(11–12):493–4 (Eng. Abstr.) **(Heb)**

[Flunitrazepam for the induction of anesthesia] Vatashsky E, et al. **Harefuah** 1980 Dec 15;99(12):421–3 (Eng. Abstr.) **(Heb)**

[Experience with trazodone hydrochloride in potentiation of anesthesia in subjects with high anesthesiological risk] Accorinti L, et al. **Clin Ter** 1980 Jun 15;93(5):547–61 (Eng. Abstr.) **(Ita)**

[Trazodone in pre-medication for peripheral anesthesia] Testasecca D, et al. **Clin Ter** 1980 Jun 30;93(6):681–7 (Eng. Abstr.) **(Ita)**

[Comparison of the effect of premedication with diazepam and trazodone on anesthesia induced with althesin] Valenti S, et al. **Minerva Anestesiol** 1980 Dec;46(12):1235–42 (Eng. Abstr.) **(Ita)**

[Simple deep hypothermia for open heart surgery in infants less than 18 months of age--significance of the premedication (author's transl)] Yamashita J, et al. **Kyobu Geka** 1981 Apr;34(4):269–75 (Eng. Abstr.) **(Jpn)**

[Blind study of lorazepam and diazepam in preanesthetic medication: evaluation of the ability to produce amnesia and sedation] Vane LA, et al. **Rev Paul Med** 1980 May–Jun; 95(5–6):92–5 (Eng. Abstr.) **(Por)**

[Effect of premedication on the prolactin level] Savinskaia AP, et al. **Anesteziol Reanimatol** 1980 Aug;(4):18–21 (Eng. Abstr.) **(Rus)**

[Balanced anesthesia in thyroid surgery] Tochilin VI, et al. **Anesteziol Reanimatol** 1980 Sep–Oct;(5):19–20 (Eng. Abstr.) **(Rus)**

[Changes in the reactive properties of the body under anesthesia against a background of aspartic acid premedication] Batrak GE, et al. **Farmakol Toksikol** 1980 May–Jun;43(3):277–80 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of several types of premedication] Grishin BS. **Farmakol Toksikol** 1981 Jan–Feb;44(1):52–5 (Eng. Abstr.) **(Rus)**

[Hemodynamic indices in dogs after preliminary anesthesia] Makhmudov SIa. **Patol Fiziol Eksp Ter** 1981 Jan–Feb; (1):51–3 **(Rus)**

[Changes in the values of K+ in preanesthetic pentothal and succinylcholine] Trevilla Guerrero JM, et al. **Rev Esp Anestesiol Reanim** 1981 May;28(3):128–30 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Anticholinergic premedication and regurgitation [editorial] Cotton BR, et al. **Br J Anaesth** 1981 May;53(5):445–6

Extrapyramidal syndromes after premedication with droperidol in children. Dupre LJ, et al. **Br J Anaesth** 1980 Aug;52(8):831–3

Effect of atropine premedication on respiratory complication [letter] Jones GC, et al. **Br J Anaesth** 1981 Apr;53(4):441

Infantile colic [letter] Thomas DB. **Med J Aust** 1981 May 16;1(10):542

[Comment on the paper of Pichlmayr and Lips, 'EEG–effects of premedication with Thalamonal. Clinical study of 16 patients' (letter)] Tolksdorf W. **Anaesthesist** 1981 Apr; 30(4):206–8 **(Ger)**

[Possibility of damage to blood vessel walls due to intravenous anesthetics. Clinical and experimental study] Palieri Furlan L, et al. **Minerva Anestesiol** 1979 Apr; 45(4):181–6 (Eng. Abstr.) **(Ita)**

METHODS

Rectal premedication in children. Use of diazepam, morphine and hyoscine. Lindahl S, et al. **Anaesthesia** 1981 Apr; 36(4):376–9

Premedication for fibreoptic bronchoscopy: fentanyl, diazepam, and atropine compared with papaveretum and hyoscine. Goroszeniuk T, et al. **Br Med J** 1980 Aug 16; 281(6238):486

[Seduxen ataralgesia in high surgical-risk patients] Novozhilov VA, et al. **Klin Khir** 1980 Dec;(12):38–40 (Eng. Abstr.) **(Rus)**

[Premedication and anethesia in ophthalmic surgery (author's transl)] Spišiáková B. **Cesk Oftalmol** 1981 Mar;37(2):129–31 (Eng. Abstr.) **(Slo)**

STANDARDS

A scoring system to assess preoperative anesthetic preparation. Shaukat M, et al. **QRB** 1981 Mar;7(3):17–20

VETERINARY

Intravenous anaesthesia in horses after xylazine premedication. Brouwer GJ, et al. **Vet Rec** 1980 Sep 13; 107(11):241–5

PREBETA LIPOPROTEINS see **LIPOPROTEINS, VLDL**

PRECANCEROUS CONDITIONS

Photochemotherapy (PUVA) in the pretumour stage of mycosis fungoides: a report from the Scandinavian Mycosis Fungoides Study Group. Molin L, et al. **Acta Derm Venereol (Stockh)** 1981;61(1):47–51

Multiple adenomas in juvenile polyposis. Sandler RS, et al. **Am J Gastroenterol** 1981 May;75(5):361–6

Precancerous conditions of the stomach. **Ann Clin Res** 1981 Jun;13(3):109–68

Gastric ulcer, gastritis and gastric carcinoma. Maaroos HI, et al. **Ann Clin Res** 1981 Jun;13(3):151–3

A benign lymphoepithelial lesion with malignant transformation developing into Sjögren's syndrome. Horowitz Z, et al. **J Laryngol Otol** 1980 Nov;94(11):1303–7

[Cancer of the anus. Histology, precancerous state, treatment] Fenger C, et al. **Ugeskr Laeger** 1980 Oct 20;142(43):2843–6 (Eng. Abstr.) **(Dan)**

[Early stomach carcinoma in endobrachyesophagus] Altunbay S, et al. **Med Welt** 1981 May 15;32(20):778–9 **(Ger)**

[Colonic polyps--precancerous condition (editorial)] Ratan Y, et al. **Harefuah** 1981 Jan 15;100(2):98–9 **(Heb)**

ANALYSIS

The presence of beta2 microglobulin on the membrane of the keratinocyte in premalignant skin disorders. Vinninghe HR, et al. **Br J Dermatol** 1981 May;104(5):515–9

BLOOD

Angiogenic activity as a marker of neoplastic and preneoplastic lesions of the human bladder. Chodak GW, et al. **Ann Surg** 1980 Dec;192(6):762–71

BLOOD SUPPLY

[Ultrastructural transformation of blood capillaries following implantation of a DMBA pellet] Mardanova GV. **Biull Eksp Biol Med** 1980 JUL;89(7):118–21 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Increased incidence of cervical atypia in women with systemic lupus erythematosus treated with chemotherapy. Nyberg G, et al. **Arthritis Rheum** 1981 May;24(5):648–50

Therapy-related preleukemic syndrome. Anderson RL, et al. **Cancer** 1981 Apr 1;47(7):1867–71

Requirement of cell proliferation for the initiation of liver carcinogenesis as assayed by three different procedures. Columbano A, et al. **Cancer Res** 1981 Jun;41(6):2079–83

Failure of pure 1-naphthylamine to induce bladder tumors in dogs. Radomski JL, et al. **Cancer Res** 1980 Oct; 40(10):3537–9

Role of acute hepatic necrosis in the induction of early steps in liver carcinogenesis by diethylnitrosamine. Ying TS, et al. **Cancer Res** 1981 Jun;41(6):2096–102

Effects of progesterone on normal and preneoplastic mammary development in mice in relation to prolactin and estrogen. Nagasawa H, et al. **Eur J Cancer** 1980 Aug; 16(8):1069–77

Short term induction of preneoplastic nodules in the rat liver. I. The role of 2-AAF as selecting agent. van der Heijden CA, et al. **Eur J Cancer** 1980 Nov;16(11):1389–98

Precursor stage of hepatocellular neoplasm following long exposure to orally administered contraceptives. Thung SN, et al. **Hum Pathol** 1981 May;12(5):472–4

Pathological features of N-methyl-N'-nitro-N-nitrosoguanidine induced neoplastic and preneoplastic lesions of rat stomach. Sugar J, et al. **IARC Sci Publ** 1980;(31):667–75

Neoplastic and preneoplastic lesions induced in female C3H mice by diets containing diethylstilbestrol or 17 beta-estradiol. Highman B, et al. **J Environ Pathol Toxicol** 1980 Nov;4(5–6):81–95

Sequential expression of preneoplastic and neoplastic characteristics of mouse mammary epithelial cells transformed in organ culture. Iyer AP, et al. **JNCI** 1981 May;66(5):893–905

Biology of hepatocellular neoplasia in the mouse. I. Histogenesis of safrole-induced hepatocellular carcinoma. Lipsky MM, et al. **JNCI** 1981 Aug;67(2):365–76

Emergence of an epidermis-associated cell surface antigen in epithelial cells of the rat urinary bladder in carcinogenesis. Masuko T, et al. **JNCI** 1981 Aug; 67(2):431–6

Effect of N-methyl-N'-nitro-N-nitrosoguanidine on gastroduodenal epithelial proliferation in Wistar/Lewis rats. Quimby GF, et al. **JNCI** 1981 Feb;66(2):331–7

Changes in crypt cell populations of mouse colon during recovery from treatment with 1,2-dimethylhydrazine. Richards TC. **JNCI** 1981 May;66(5):907–12

Vaginal adenosis in Cebus apella Monkeys exposed to DES in utero. Johnson LD, et al. **Obstet Gynecol** 1981 May; 57(5):629–35

Long-term evolution of the main changes induced by thioacetamide on hepatocytes. Pollera M, et al. **Tumori** 1980 Oct 31;66(5):529–48

COMPLICATIONS

Transformation of the common wart into squamous cell carcinoma in a patient with primary lymphedema. Shelley WB, et al. **Cancer** 1981 Aug 1;48(3):820–4

Colonic 'precancer' in Crohn's disease. Craft CF, et al. **Gastroenterology** 1981 Mar;80(3):578–84

[Co-occurrence of a neurinoma and an early cancer of the stomach] Lorenz G. **Zentralbl Chir** 1980;105(16):1064–8 **(Ger)**

DIAGNOSIS

Hot spot liver scan in focal nodular hyperplasia. Piers DA, et al. **AJR** 1980 Dec;135(6):1289–92

Precancerous lesions and their clinical consequences. Grundmann E. **Arch Geschwulstforsch** 1980;50(6):539–48

Colposcopy in the management of the pregnant patient with abnormal cervical cytology. Kirkup W, et al. **Br J Obstet Gynaecol** 1980 Apr;87(4):322–5

Adenocarcinoma in situ of the cervix: an underdiagnosed lesion. Boon ME, et al. **Cancer** 1981 Aug 1;48(3):768–73

Verrucous hyperplasia of the oral mucosa. Shear M, et al. **Cancer** 1980 Oct 15;46(8):1855–62

Clinicopathological study of gastric cancers and precancerous states detected by fetal sulfoglycoprotein antigen screening. Häkkinen IP, et al. **Cancer Res** 1980 Nov; 40(11):4308–12

Computer recognition of gastric (pre)malignancy with the aid of some biochemical, immunological and cytological data. Mikulecký M, et al. **Czech Med** 1980;3(3):226–31

Smear biopsies: a cause of negative follow-up biopsies in patients with premalignant conditions of the uterine cervix. Berner A, et al. **Diagn Gynecol Obstet** 1980 Summer;

2(2):99–101

Flow cytometry for followup examinations of conservatively treated low stage bladder tumors. Devonec M, et al. **J Urol** 1981 Aug;126(2):166–70

Separation of two populations of cells with gamma–glutamyl transpeptidase from carcinogen–treated rat liver. Jacobs JM, et al. **JNCI** 1981 May;66(5):967–73

A clinicopathologic study of atypical lesions of the breast further follow up. Ashikari R, et al. **Pathol Res Pract** 1980; 166(4):481–90

Diaphanography: a method for evaluation of the female breast. Ohlsson B, et al. **World J Surg** 1980 Nov;4(6):701–6

[Further experience with the DIACA apparatus in the prevention of cancer of the uterine neck (author's transl)] Laurová L, et al. **Cesk Gynekol** 1981 Mar;46(2):100–3 (Eng. Abstr.) **(Cze)**

[Oral exfoliative cytology. study of its value for detection and therapeutic control of oral cancers (author's transl)] Chomette G, et al. **Arch Anat Cytol Pathol** 1980; 28(3):169–73 (Eng. Abstr.) **(Fre)**

[Our experience and methods of handling 'precancerous lesions' of the breast] Barrat J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(1):109–11 **(Fre)**

[Circumstances of discovery of 'borderline' lesions of the breast] Brémond A. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(1):102–3 **(Fre)**

['Borderline lesions' in cancer of the breast. Combined noninvasive diagnosis] Colin C. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(1):103–4 **(Fre)**

['Precancerous states' and borderline lesions of the breast. Practical considerations] Dellenbach P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(1):111–2 **(Fre)**

[Our personal experience with 'precancerous conditions' of the breast] Piana L, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(1):108 **(Fre)**

[Our experience with 'borderline lesions of the breast'. Diagnosis by surgical exploration] Rochet Y, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(1):104–5 **(Fre)**

[Colposcopy and early changes of cervical carcinoma (author's transl)] Kühndel K, et al. **Geburtshilfe Fraunheilkd** 1981 Apr;41(4):263–5 (Eng. Abstr.) **(Ger)**

[Mastodysplasia: grading method in potentially precancerous conditions for use by the attending physician] Kochem HG. **Gynakol Rundsch** 1981;21 Suppl 1:48–56 **(Ger)**

[Early diagnosis of gastric cancer, a utopian idea? (author's transl)] Seifert E. **Wien Klin Wochenschr** 1981 May 1; 93(9):283–7 (Eng. Abstr.) **(Ger)**

[Colpocytohistological correlations of lesions of the uterine portio extending to the fornix vaginae] Volante E, et al. **Minerva Ginecol** 1981 Apr;33(4):337–40 (Eng. Abstr.) **(Ita)**

[Pistolet–aspiration method for the early diagnosis of pre–neoplastic and neoplastic lesions of the endometrium] Costa S, et al. **Riv Ital Ginecol** 1980;59(2–3):213–21 (Eng. Abstr.) **(Ita)**

[Management of erosions and early forms of cervical cancer in the Democratic Republic of Germany] Waszyński E. **Ginekol Pol** 1980 Oct;51(10):959–63 (Eng. Abstr.) **(Pol)**

[Diagnosis and treatment of benign tumors and tumor formations of the external ear] Antoniv VF, et al. **Vestn Otorinolaringol** 1981 Mar–Apr;(2):47–51 (Eng. Abstr.) **(Rus)**

[Endoscopic study methods in the diagnosis of the initial forms of cervical cancer in pregnant women] Garmanova NV, et al. **Vopr Onkol** 1981;27(3):72–6 (Eng. Abstr.) **(Rus)**

[Microscopic and minute stomach cancer] Gritsman Iula. **Vopr Onkol** 1980;26(11):29–33 (Eng. Abstr.) **(Rus)**

[Assessment of precancerous states of the esophagus in dynamic observation] Inshakov I.N, et al. **Vopr Onkol** 1980; 26(8):62–5 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Human hepatocellular carcinoma and putative precancerous disorders: their enzyme histochemical study. Uchida T, et al. **Arch Pathol Lab Med** 1981 Apr;105(4):180–6

Focal elevation of liver microsomal epoxide hydrolase in early preneoplastic stages and its behaviour in the further course of hepatocarcinogenesis. Kuhlmann WD, et al. **Biochem Biophys Res Commun** 1981 Jan 30;98(2):417–23

Enzyme pattern and marker antigens in nodular 'regenerative' hyperplasia of the liver. Thung SN, et al. **Cancer** 1981 Apr 1;47(7):1796–9

Immunohistochemical study of epoxide hydrolase during experimental liver carcinogenesis. Enomoto K, et al. **Cancer Res** 1981 Sep;41(9 Pt 1):3281–7

Histochemical studies on the early proliferative lesion induced in the rat liver by aflatoxin. Butler WH, et al. **J Pathol** 1981 Apr;133(4):325–40

Detection of mutagens–carcinogens: carcinogen–induced lesions pinpointed by alkaline phosphatase activity in fixed gastric specimens from rats. Morgan RW, et al. **JNCI** 1981 May;66(5):941–5

Elevated serum glycosidases in gynecologic cancer patients. Chamut S, et al. **Medicina (B Aires)** 1980 Mar–Apr; 40(2):151–5

ETIOLOGY

The tumour potentiating effect of cryosurgery on carcinogen treated hamster cheek pouch. Pospisil OA, et al. **Br J Oral Surg** 1981 Jun;19(2):96–104

Pretumorous lesions and lung and pleural tumours induced by asbestos in rats, Syrian golden hamsters and Macaca mulatta (rhesus) monkeys. Pylev LN. **IARC Sci Publ** 1980; 1(30):343–55

Uterine malignant degeneration after low– dose endometrial irradiation. Nikkanen V, et al. **Int J Gynaecol Obstet** 1980; 18(4):240–2

Chewing and smoking habits in relation to precancer and oral cancer. Mehta FS, et al. **J Cancer Res Clin Oncol** 1981; 99(1–2):35–9

Frequency of cancerous and precancerous epithelial lesions in the stomach in different models for enterogastric reflux. Meister H, et al. **Scand J Gastroenterol [Suppl]** 1981; 67:165–8

[One of the aspects of precancerous gastropathy; chronic atrophic gastritis with intestinal metaplasia] Pozzi C. **Chir Ital** 1979 Dec;31(6):1288–96 (Eng. Abstr.) **(Ita)**

[Epidemiological characteristics of patients with laryngeal cancer and precancerous conditions (author's transl)] Chodynicki S, et al. **Otolaryngol Pol** 1980;34(4):377–82 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Familial gastric polyposis. A new entity. dos Santos JG, et al. **J Genet Hum** 1980 Sep;28(3):293–7

Chromosomal changes associated with premalignancy and cancer. Cervenka J. **Results Probl Cell Differ** 1980; 11:93–101

['Heredity' of tumors. Current views and prospects] Scolozzi R, et al. **Recenti Prog Med** 1980 Aug;69(2):121–37 (Eng. Abstr.) **(Ita)**

[Cytogenetic studies of the bone marrow in preleukaemic syndromes (author's transl)] Carbonell F. **Sangre (Barc)** 1980;25(4):447–53 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Specific red cell adherence testing and benign prostatic hyperplasia. Stein BS, et al. **J Urol** 1981 Jun;125(6):806–8

Feline oncovirus–associated cell membrane antigen and feline leukemia virus group–specific antigen expression in bone marrow and serum. Rice JB, et al. **JNCI** 1981 Apr; 66(4):737–43

METABOLISM

Isolation and culture of adult rat hepatocytes and preneoplastic nodules from diethylnitrosamine treated livers: glucose–6–phosphatase distribution, albumin synthesis and hepatic binding protein activity. Wanson JC, et al. **Ann NY Acad Sci** 1980;349:413–5

Loss of beta2 microglobulin from the cell surface of cutaneous malignant and premalignant lesions. Turbitt ML, et al. **Br J Dermatol** 1981 May;104(5):507–13

Changes in polysomal polyadenylated RNA and alpha–fetoprotein messenger RNA during hepatocarcinogenesis. Atryzek V, et al. **Cancer Res** 1980 Oct;40(10):3713–8

Increase in testis luteinizing hormone receptor by estrogen in mice susceptible to Leydig cell tumors. Navickis RJ, et al. **Cancer Res** 1981 May;41(5):1646–51

Aminoacyl fucosides as possible biochemical markers at tumorigenic and metastatic potential in herpes simplex virus type 2–transformed rat cells. Respess RA, et al. **Cancer Res** 1981 Sep;41(9 Pt 1):3507–11

Cytosolic levels and distribution of cadmium, copper and zinc in pretumorous livers from diethylnitrosamine–exposed mice and in non–cancerous kidneys cancer patients. Brown DA, et al. **Chem Biol Interact** 1980 Oct;32(1–2):13–27

Metabolic control mechanisms in precancerous liver. Sabine JR. **CRC Crit Rev Toxicol** 1980 Sep;7(3):189–218 (108 ref.)

Epidemiology of breast fluid secretion: association with breast cancer risk factors and cerumen type. Petrakis NL, et al. **JNCI** 1981 Aug;67(2):277–84

DNA distribution patterns of preneoplastic cells and their interpretation. Stomach and cervix uteri. Weiss H, et al. **Oncology** 1981;38(4):210–8

Separate isolation of cells from nodules and surrounding parenchyma of the same precancerous rat liver: biochemical and cytochemical characterization. de Gerlache J, et al. **Toxicology** 1980;18(3):225–32

OCCURRENCE

High prevalence of cervical dysplasia in STD clinic patients warrants routine cytologic screening. Briggs RM, et al. **Am J Public Health** 1980 Nov;70(11):12124

Incidence rates of oral cancer and natural history of oral precancerous lesions in a 10–year follow–up study of Indian villagers. Gupta PC, et al. **Community Dent Oral Epidemiol** 1980;8(6):283–333

PATHOLOGY

Dysplasia. On the terminology of atypical intraepithelial profilerations. Rywlin AM. **Am J Dermatopathol** 1981 Summer;3(2):183–5

Premalignant lymphoid hyperplasia preceding and coexisting with malignant lymphoma in the skin. Shelley WB, et al. **Arch Dermatol** 1981 Aug;117(8):500–3

Genesis of 1,2–dimethylhydrazine–induced colon cancer. A light and electron microscopic study. Fisher ER, et al. **Arch Pathol Lab Med** 1981 Jan;105(1):29–37

Rectal mucosa. Malignant and premalignant changes after radiation therapy. Shamsuddin AK, et al. **Arch Pathol Lab Med** 1981 Mar;105(3):150–1

The specificity of early changes in the skin during carcinogenesis. Bibby MC. **Br J Dermatol** 1981 Apr; 104(4):485–8 (24 ref.)

The precursor lesions of invasive gallbladder carcinoma. Hyperplasia, atypical hyperplasia and carcinoma in situ. Albores–Saavedra J, et al. **Cancer** 1980 Mar 1;45(5):919–27

Precursors of human colon carcinoma: a serial section study of colectomy specimens. Lev R, et al. **Cancer** 1981 Apr 15;47(8):2007–15

Development and characterization of mouse hyperplastic mammary outgrowth lines from BALB/cfC3H hyperplastic alveolar nodules. Ashley RL, et al. **Cancer Res** 1980 Nov;40(11):4232–42

Recovery of transformed nodule and ductal mammary cells from carcinogen–treated C57BL mice. Guzman RC, et al. **Cancer Res** 1981 May;41(5):1808–11

Growth of preneoplastic mammary epithelial cells in serum–free medium. Medina D, et al. **Cancer Res** 1980 Nov; 40(11):3982–7

Phenotypic diversity as an early property of putative preneoplastic hepatocyte populations in liver carcinogenesis. Ogawa K, et al. **Cancer Res** 1980 Mar; 40(3):725–33

Enhanced proliferation of putative preneoplastic cells in rat liver following treatment with the tumor promoters phenobarbital, hexachlorocyclohexane, steroid compounds, and nafenopin. Schulte–Hermann R, et al. **Cancer Res** 1981 Jun;41(6):2556–62

Premalignant skin lesions. Pinkus H, et al. **Clin Plast Surg** 1980 Jul;7(3):289–300

Diffuse juvenile polyposis of the colon: a premalignant condition? Reed K, et al. **Dis Colon Rectum** 1981 Apr; 24(3):205–10

Histologic and cytologic studies on atypical epithelial growth of the stomach. Takeda T, et al. **Gastroenterol Jpn** 1981; 16(3):232–5

The histologic appearance of dysplasia (precarcinomatous change) in Crohn's disease of the small and large intestine. Simpson S, et al. **Gastroenterology** 1981 Sep;81(3):492–501

Morphological and dynamic behavior of the gastric mucosa after partial gastrectomy with special reference to the gastroenterostomy area. Saukkonen M, et al. **Hepatogastroenterology** 1980 Feb;27(1):48–56

Persistent renal blastema: a seed of Wilms' tumor? Pochedly C. **Hosp Pract** 1981 May;16(5):83–4, 88, 93 passim

Bowenoid papules of the genitalia. A case progressing to Bowen's disease. De Villez RL, et al. **J Am Acad Dermatol** 1980 Aug;3(2):149–52

Precancerous conditions and epithelial dysplasia in the stomach. Morson BC, et al. **J Clin Pathol** 1980 Aug; 33(8):711–21

Cytological findings in cases of marsupialized odontogenic cysts. A contribution to early diagnosis of malignant changes. Schulz P, et al. **J Maxillofac Surg** 1981 Feb; 9(1):35–41

Malignant lymphoepithelial lesion: report of case. Rončević R, et al. **J Oral Surg** 1981 Jun;39(6):449–50

Dysplasia during pregnancy: a cytologic follow–up study. Kiguchi K, et al. **J Reprod Med** 1981 Feb;26(2):66–72

Colon epithelium. II. In vivo studies of colon carcinogenesis. Light microscopic, histochemical, and ultrastructural studies of histogenesis of azoxymethane–induced colon carcinomas in Fischer 344 rats. Shamsuddin AK, et al. **JNCI** 1981 Feb;66(2):389–401

Differentiation of normal and cultured preneoplastic tracheal epithelial cells in rats: importance of epithelial mesenchymal interactions. Terzaghi M, et al. **JNCI** 1980 Nov;65(5):1039–48

Precancerous mastopathie: structural and biological considerations. Black MM, et al. **Pathol Res Pract** 1980; 166(4):491–514

Precancerous lesions in the mucosa in ulcerative colitis. A radiographic, endoscopic, and histopathologic study. Granqvist S, et al. **Scand J Gastroenterol** 1980;15(3):289–96

A study of cervical carcinoma and its precursor lesions. Part I: Potential precursor lesions of cervical neoplasia. Ranney B, et al. **SD J Med** 1980 Sep;33(9):21–3

Precancerous significance of colonic type intestinal metaplasia. Pagnini CA, et al. **Tumori** 1981 Mar–Apr; 67(2):113–6

[Rectal and colonic polyps and polyposis as precancerous diseases] Kalcheva V, et al. **Khirurgiia (Sofiia)** 1980; 33(3):263–8 **(Bul)**

[The concept of the developmental outburst in cervix neoplasms. Apropos of 3 cases (letter)] Bolla M, et al. **Bull Cancer (Paris)** 1979;66(5):502 **(Fre)**

[Definition and development of 'borderline' lesions in breast cancer. Atypical hyperplasia and carcinoma 'in situ'] Contesso G. **J Gynecol Obstet Biol Reprod (Paris)** 1980; 9(1):101–2 **(Fre)**

[Appearance of parakeratosis cells in cervical smears following hormonal therapy and its significance] Clocuh YP. **Fortschr Med** 1980 Nov 6;98(41):1612–3 (Eng. Abstr.)

(Ger)
[Aspiration cytology of the endometrium for the early diagnosis of carcinoma of the endometrium in its precursors (author's transl)] Anastasiadis P, et al. **Geburtshilfe Fraunheilkd** 1981 Feb;41(2):136–40 (Eng. Abstr.) (Ger)
[Squamous cell carcinoma of the vocal cord subsequent to monocorditis vasomotorica (author's transl)] Richstein A. **Laryngol Rhinol Otol (Stuttg)** 1981 Jun;60(6):329–30 (Eng. Abstr.) (Ger)
[Precursors and early forms of malignant melanomas of the skin (author's transl)] Gartmann H, et al. **Z Hautkr** 1981 Apr 15;56(8):509–34 (Eng. Abstr.) (Ger)
[Potentially precancerous stage of breast cancer] Kochem HG, et al. **Z Lymphol** 1980 Jul;4(1):7–10 (Eng. Abstr.) (Ger)
['Precancerous penile papules' and a 'benign penile papillomatosis'] Cramer HJ. **Z Urol Nephrol** 1981 May; 74(5):369–74 (Ger)
[Answer to the comments apropos my article, 'Disputed and Unclear Problems of the Morphogenesis of Cancer of the Large Intestine and Rectum' (Arkh. patologii, 1978, No. 5)] Pozharisskii KM. **Arkh Patol** 1980;42(9):66–9 (Rus)
[Precancer of the large intestine (apropos the articles of Z. V. Gol'bert and K. M. Pozharisskii No. 5; 1979, No. 3)] Sokolovskii RM. **Arkh Patol** 1980;42(9):65–6 (Rus)
[Pachyderma laryngis with a transition into cancer] Baradulina MG, et al. **Vestn Otorinolaringol** 1980 Sep–Oct; (5):49–51 (Eng. Abstr.) (Rus)
[Early thyroid gland cancer] Demidov VP, et al. **Vopr Onkol** 1981;27(1):9–15 (Eng. Abstr.) (Rus)
[Problems in early oncological pathology] Peterson BE. **Vopr Onkol** 1980;26(11):9–14 (Eng. Abstr.) (Rus)
[Morphological characteristics of the phase and staging in cancer development] Smirnov EA. **Vopr Onkol** 1980; 26(10):63–6 (Eng. Abstr.) (Rus)
[Gastric mucosal mast cells and precancerous states] Uspenskii VM, et al. **Vopr Onkol** 1981;27(2):26–31 (Eng. Abstr.) (Rus)
[Malignant gastric ulcer. Apparent cure with medical treatment. Presentation of a case] López Barbarin JM, et al. **Rev Clin Esp** 1981 May 15;161(3):193–6 (Spa)

PREVENTION & CONTROL

[Detection of threatened pathology and cancer of the cervix uteri during prophylactic examinations (based on the results of a cooperative study)] Nikitina NI, et al. **Vopr Onkol** 1981;27(3):13–8 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Nonpalpable mammographic abnormalities: timing the follow-up studies. Homer MJ. **AJR** 1981 May;136(5):923–6
Tylosis. Munyer TP, et al. **AJR** 1981 May;136(5):1026–7
[Evaluation of the potentials of large-frame fluorography in detecting stomach cancer and precancerous diseases in prophylactic examinations] Aleksandrov NN, et al. **Vopr Onkol** 1981;27(6):3–6 (Eng. Abstr.) (Rus)

SECRETION

Altered patterns of mucin secretion in precancerous lesions induced in the glandular part of the rat stomach by the carcinogen N-methyl-N'-nitro-N-nitrosoguanidine. Tsiftsis D, et al. **Invest Cell Pathol** 1980 Oct–Dec; 3(4):399–408

SURGERY

Endoscopic therapy of premalignant and malignant changes in the stomach. Koch H. **Endoscopy** 1981 Jul;13(4):148–51
Management of a case of chronic radiodermatitis on the forehead. Field LM. **J Dermatol Surg Oncol** 1981 Jul; 7(7):581–1
Sparing the rectum in familial polyposis: causes for failure. Gingold BS, et al. **Surgery** 1981 Mar;89(3):314–8
Breast reconstruction for premalignant and malignant disease—an update. Apfelberg DB, et al. **West J Med** 1981 Feb;134(2):104–8
[Treatment of precancerous conditions of the breast] Piana L, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980; 9(1):106–7 (Fre)
[Spontaneous mammary secretion] Egeli RA, et al. **Gynakol Rundsch** 1981;21 Suppl 1:67–75 (Ger)
[Cryotherapy of precancerous lesions of the oral cavity] Bernardi F, et al. **Minerva Stomatol** 1979 Oct–Dec; 28(4):303–17 (Eng. Abstr.) (Ita)
[Our clinical experience with the cryosurgery of oral lesions of odontostomatologic interest] Vercellino V, et al. **Minerva Stomatol** 1980 Jul–Aug;29(4):253–8 (Eng. Abstr.) (Ita)
[Cryosurgery of premalignant cervical lesions] Kulseng-Hanssen S. **Tidsskr Nor Laegeforen** 1980 Jun 20; 100(17–18):1157–8 (Eng. Abstr.) (Nor)
[Cryotherapy of benign and premalignant cervical lesions] Kulseng-Hanssen S, et al. **Tidsskr Nor Laegeforen** 1980 Jun 20;100(17–18):1154–6 (Eng. Abstr.) (Nor)
[Method of cryogenic action in precancerous diseases of the cervix uteri] Ozhiganova ZO. **Akush Ginekol (Mosk)** 1980 Sep;(9):46–8 (Rus)
[Surgical treatment of chronic hyperplastic laryngitis] Barta t. **Cesk Otolaryngol** 1980 Aug;29(4):216–9 (Eng. Abstr.) (Slo)
[Surgical treatment of pre-clinical mammary cancer and precancerous conditions] Gröntoft O, et al. **Lakartidningen** 1980 Dec 17;77(51):4855–7 (Eng. Abstr.) (Swe)

THERAPY

The management of malignant and premalignant lesions of the skin. Monheit GD, et al. **Ala J Med Sci** 1981 Apr; 18(2):153–8
Cryotherapy for precancerous melanosis (atypical melanocytic hyperplasia) of the conjunctiva. Brownstein S, et al. **Arch Ophthalmol** 1981 Jul;99(7):1224–31
Therapy of lentigo maligna and Spitz nevus [letter] Lowe D. **J Am Acad Dermatol** 1980 Nov;3(5):531–2
[Organization of dispensary observation of peptic ulcer and pretumorous stomach disease patients] Kalinin AV, et al. **Voen Med Zh** 1980 Aug;(8):54–6 (Rus)

ULTRASTRUCTURE

Ultrastructural observations on preneoplastic epidermoid metaplasia in the lungs of rats. Akagi G, et al. **J Environ Pathol Toxicol** 1980 Aug;4(1):71–85
Surface structures in normal, metaplastic and dysplastic nasal mucosa of nickel workers. A SEM and post SEM histopathological study. Boysen M, et al. **Scan Electron Microsc** 1980;(3):35–41
Cell surface changes in preneoplastic and neoplastic epithelium. Trump BF, et al. **Scan Electron Microsc** 1980; (3):43–60 (102 ref.)
The surface appearance of some lung tumors, mesothelioma and their precursor lesions. Wang NS. **Scan Electron Microsc** 1980;(3):79–88
SEM study of adult rat hepatocytes from preneoplastic and hyperplastic foci induced in the liver by diethylnitrosamine. Wanson JC, et al. **Scan Electron Microsc** 1980;(3):29–34
[Oral cancer and precancer. Ultrastructural and immunopathologic aspects (author's transl)] Burkhardt A. **Veroeff Pathol** 1980;112:1–271 (Eng. Abstr.) (Ger)
[Scanning electron microscopic studies of the endometrium in premalignant hyperproliferative conditions] Szarvas Z. **Morphol Igazsagugyi Orv Sz** 1980 Jul;20(3):181–6 (Eng. Abstr.) (Hun)

VETERINARY

Spontaneous occurrence of gamma-glutamyl transpeptidase-positive hepatocytic foci in 105-week-old Wistar and 72-week-old Fischer 34 male rats. Ogawa K, et al. **JNCI** 1981 Aug;67(2):407–12

PRECEPTORSHIP

Results of a survey of pediatric clerkship programs in American medical schools. Stillman PL, et al. **Am J Dis Child** 1981 Apr;135(4):348–51
Professional nurturance: preceptorships for undergraduate nursing students. Chickerella BG, et al. **Am J Nurs** 1981 Jan;81(1):107–9
Clinical preceptors for new nurses. May L. **Am J Nurs** 1980 Oct;80(10):1824–6
Preceptorships for emergency physicians. Eliastam M, et al. **Ann Emerg Med** 1981 Jul;10(7):381–4
Preceptor development in residency training through a faculty facilitator. Stuart MR, et al. **J Fam Pract** 1980 Oct; 11(4):591–5
Medical student anxiety in the emergency room on preceptorship. Sivertson SE, et al. **J Med Educ** 1980 Jul; 55(7):627–8
Learning forestry out of the lumberyard. A training alternative for primary care. Verby JE, et al. **JAMA** 1981 Aug 7;246(6):645–7
Using staff preceptors in a senior experience. Walters CR. **Nurs Outlook** 1981 Apr;29(4):245–7
A one-day-a-week extramural experience for senior students in community dentistry. Wasserman BS, et al. **NY State Dent J** 1980 Nov;46(9):570–6
[Preceptorship from the viewpoint of the medical practitioner] Funcke AM, et al. **ZFA (Stuttgart)** 1980 Aug 20;56(23):1419–23 (Ger)
[Legal questions for the extern] Narr H. **ZFA (Stuttgart)** 1980 Aug 20;56(23):1431–3 (Ger)
[Preceptorship from the viewpoint of the student] Paul L, et al. **ZFA (Stuttgart)** 1980 Aug 20;56(23):1424–30 (Ger)

ECONOMICS

A cost-benefit analysis of fieldwork education in occupational therapy. Chung YI, et al. **Inquiry** 1980 Fall; 17(3):216–29

HISTORY

[History of preceptorships with general practitioners] Mader FH. **ZFA (Stuttgart)** 1980 Aug 20;56(23):1415–8 (Ger)

TRENDS

[11 years of preceptorship documentation] Homann G. **ZFA (Stuttgart)** 1980 Aug 20;56(23):1434–7 (Ger)
[Current status of the preceptorship] Homann G. **ZFA (Stuttgart)** 1980 Aug 20;56(23):1438–40 (Ger)

PRECIPITATION

Evaluation of lipoprotein fractionation from 275 or 350 microliter of serum by ultracentrifugation and polyanion-precipitation. Widhalm K, et al. **Artery** 1980; 8(2):199–204
[Studies on the precipitation and adsorption of bovine f. VIII: application to the preparation of a concentrate of bovine f. VIII). (author's transl)] Casillas G, et al. **Sangre (Barc)** 1980;25(4):454–60 (Eng. Abstr.) (Spa)

METHODS

The dextran sulfate--MgSO4 precipitation as a method for quantitation of high-density lipoprotein cholesterol [letter] Thompson GM, et al. **Am J Clin Pathol** 1981 Feb; 75(2):267–70

PRECIPITIN TESTS

The circumoval precipitin reaction on Schistosoma mansoni eggs as seen by scanning electron microscopy. Ford JW, et al. **Am J Trop Med Hyg** 1980 Nov;29(6):1246–8
Circumoval precipitin antigens for the diagnosis of schistosomiasis. I. Development of an antiserum reactive with Schistosoma mansoni eggs by the circumoval precipitin test. Hillyer GV, et al. **Am J Trop Med Hyg** 1980 Nov;29(6):1249–53
Analysis of the immunoglobulins responsible for the circumoval precipitation reaction. Long GW, et al. **Am J Trop Med Hyg** 1980 Nov;29(6):1241–5
Infectious bronchitis agar-gel precipitin test--use of infected allantoic fluid as antigen. Lohr JE. **Avian Dis** 1980 Apr-Jun;24(2):463–7
Screening for infection with Schistosoma mansoni in Puerto Rico: a limited serologic survey utilizing the circumoval precipitin test. Hillyer GV, et al. **Bol Asoc Med PR** 1981 Feb;73(2):50–5
Schistosoma species: transmission electron microscopy of the circumoval immune precipitin reaction on eggs. Demaree R, et al. **Exp Parasitol** 1981 Aug;52(1):77–85

METHODS

The circumoval precipitin test for the serodiagnosis of human schistosomiasis mansoni and haematobia. Hillyer GV, et al. **Am J Trop Med Hyg** 1981 Jan;30(1):121–6
[Personal experience in preparing precipitating agar M from Soviet raw material for use in tests for hepatitis B antigen (HBs-Ag)] Tovstyko OI, et al. **Probl Gematol Pereliv Krovi** 1981 Jan;26(1):56–7 (Rus)
[Determination of the circulating immune complexes precipitated by polyethylene glycol in inflammatory lung diseases] Movchan NS. **Probl Tuberk** 1981 May;(5):35–7 (Eng. Abstr.) (Rus)

STANDARDS

Specificity of serological tests for non-A, non-B hepatitis [letter] Eddleston AW, et al. **Lancet** 1981 May 2; 1(8227):1000–1

VETERINARY

Preliminary application of a formalin fixed tissue section to the indirect fluorescent antibody test and intraoval precipitin reaction for the diagnosis of Schistosomiasis japonica. Kamiya H, et al. **Jpn J Vet Res** 1980 Oct; 28(4):155–60
Influence of temperature on the antigenicity of Schistosoma japonicum lyophilized eggs for circumoval precipitin test (COPT). Kamiya H. **Jpn J Vet Res** 1980 Oct;28(4):149–54

PRECIPITINS

Precipitins in the serum of the Atlantic salmon. Alexander JB. **Dev Comp Immunol** 1980 Fall;4(4):641–51

ANALYSIS

Incidence of fungal precipitins in patients treated with beclomethasone dipropionate aerosol. Chiu JT, et al. **Ann Allergy** 1981 Mar;46(3):137–9
Human serum precipitins to human dental plaque and oral bacteria. Levine M, et al. **Arch Oral Biol** 1981;26(2):117–22
An improved staining technique for precipitin bands in agar or agarose gels. Mahoney WC. **Biochem Biophys Res Commun** 1980 Oct 16;96(3):1123–7
Sensitivity, specificity, and predictive value of anti-candida serum precipitin and agglutinin quantification: comparison of counterimmunoelectrophoresis and latex agglutination. Dee TH, et al. **J Clin Microbiol** 1981 Apr;13(4):750–3
Extrinsic allergic alveolitis. Davies RJ. **Schweiz Med Wochenschr** 1980 Dec 6;110(49):1839–46
Aspergillus fumigatus and specific precipitins in dogs with turbinate changes. Poli G, et al. **Vet Rec** 1981 Feb 14; 108(7):143–5
[Study of serum precipitating antibodies relating hypersensitivity pneumonitis (particularly farmer's lung) with counterimmunoelectrophoresis (author's transl)] Terai T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Aug; 18(8):506–12 (Eng. Abstr.) (Jpn)

IMMUNOLOGY

Immunobiological behaviour of rabbit precipitating and

non-precipitating (co-precipitating) antibodies. Margni RA, et al. **Immunology** 1980 Nov;41(3):681-6
C1q inhibitor (C1qINH): functional properties and possible relationship to a lymphocyte membrane-associated C1q precipitin. Ghebrehiwet B. **J Immunol** 1981 May; 126(5):1837-42

PHARMACODYNAMICS

Physicochemical and immunochemical characterization of the high molecular weight allergens from dermatophagoides pteronyssinus with particular reference to the tridacnin, Con-A and S107 reactive components. Stewart GA, et al. **Aust J Exp Biol Med Sci** 1980 Jun; 58(3):275-88

PREDATORY BEHAVIOR see under **APPETITIVE BEHAVIOR**

PREDIABETIC STATE

BLOOD

Glucose tolerance and blood lipids in bran-fed patients with impaired glucose tolerance. Bosello O, et al. **Diabetes Care** 1980 Jan-Feb;3(1):46-9
Heterogeneity of plasma IRI responses in patients with IGT [letter] Kosaka K, et al. **Diabetologia** 1980 Apr;18(4):347-8
Investigation of insulin sensitivity in early diabetes. II. Insulin resistance in asymptomatic diabetics. Schulz B, et al. **Endokrinologie** 1980;76(1):103-11
[Serum prolactin in obese subjects with glucose intolerance before and after treatment with phenformin] Pata P, et al. **Boll Soc Ital Biol Sper** 1981 Mar 15;57(5):522-5 (Eng. Abstr.) **(Ita)**
[Vascular alterations and GH secretion in latent chemical diabetes] Sgambato S, et al. **Boll Soc Ital Biol Sper** 1979 Feb 15;55(3):279-85 (Eng. Abstr.) **(Ita)**
[Serum prolactin in obese subjects with and without glucose intolerance] Smedile G, et al. **Boll Soc Ital Biol Sper** 1981 Mar 15;57(5):518-21 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Delayed menarche as an indicator of a prediabetic state [letter] Ionescu-Tirgoviste C, et al. **Diabetologia** 1981 Apr; 20(4):510-1
[Usefulness of the oral glucose tolerance test. The necessity of a reconsideration] Köbberling J. **Internist (Berlin)** 1980 Apr;21(4):213-9 **(Ger)**
[Explanatory hypothesis of OGTT flat glycemic curve] Breda V, et al. **Minerva Dietol Gastroenterol** 1979 Jul-Sep; 25(3):285-9 (Eng. Abstr.) **(Ita)**
[Determination of glucose absorption by the erythrocytes in diagnosing the early stages of diabetes mellitus in children] Ermolenko RI, et al. **Sov Med** 1981;(5):55-7 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Capillary basement membrane thickness in monozygotic twins [letter] Ganda OP, et al. **Lancet** 1980 Sep 20;2(8195 pt 1):650

METABOLISM

Age-related glucose metabolism alterations in nondiabetic and potentially diabetic women. Goldman JA, et al. **Maturitas** 1980 Jul;2(2):119-24

PATHOLOGY

[Electron microscopical investigations on islets of Langerhans in sand rats (Psammomys obesus) before manifestation of diabetes mellitus (author's transl)] Hahn von Dorsche H, et al. **Acta Histochem (Jena)** 1981; 68(2):254-62 (Eng. Abstr.) **(Ger)**

PREDNIMUSTINE see under **CHLORAMBUCIL**

PREDNISOLONE

ADMINISTRATION & DOSAGE

Comparative pulmonary surfactant-inducing effect of three corticosteroids in the near-term rat. Anderson GG, et al. **Am J Obstet Gynecol** 1981 Mar 1;139(5):562-4
A problem of management in Whipple's disease. Lim KP, et al. **Aust NZ J Med** 1981 Feb;11(1):56-9
Comparison of two dissolution apparatuses with correlation of in vitro-in vivo data for prednisone and prednisolone tablets. Milsap RL, et al. **Biopharm Drug Dispos** 1979 Jul-Sep;1(1):3-17
Renal transplant rejection after gradual withdrawal of prednisolone [letter] Robertson AJ, et al. **Br Med J** 1980 Jul 26;281(6235):305-6
Corticosteroid resistance in chronic asthma [letter] Hill LS. **Br Med J [Clin Res]** 1981 May 30;282(6278):1791
Effect of corticosteroids on indomethacin-induced intestinal ulceration in the rat. Derelanko MJ, et al. **Dig Dis Sci** 1980 Nov;25(11):823-9
Intensive combination chemotherapy with vincristine, adriamycin and prednisolone (VAP) in the treatment of diffuse histology non-Hodgkin's lymphoma. (A report of 89 cases with extensive disease from the Manchester Lymphoma Group). Blackledge G, et al. **Eur J Cancer** 1980 Nov;16(11):1459-68
Bullous pemphigoid refractory to recommended dosage of prednisolone in a dog. Turnwald GH, et al. **J Am Vet Med Assoc** 1981 Sep 15;179(6):587-91
Double-blind, controlled trial of immunosuppression in treatment of multiple sclerosis. Mertin J, et al. **Lancet** 1980 Nov 1;2(8201):949-51
The timing of immunosuppressive therapy and suppression of the immune response. Knapp MS, et al. **Proc Eur Dial Transplant Assoc** 1980;17:512-6
[A bacteremia epidemic caused by contaminated prednisolone-heparin ampules] van Raalte RF, et al. **Ned Tijdschr Geneeskd** 1981 Jun 13;125(24):952-6 (Eng. Abstr.) **(Dut)**
[Crohn's disease with predominant lesions in the colon. Prospective long term study of a treatment combining corticosteroids and sulfasalazine with or without azathioprine (author's transl)] Fiasse R, et al. **Acta Gastroenterol Belg** 1980 Sep-Oct;43(9-10):410-28 (Eng. Abstr.) **(Fre)**
[Study of the dose-reducing effect of acemetacin on prednisolon (author's transl)] Mathies H, et al. **Arzneimittelforsch** 1980;30(8A):1438-40 (Eng. Abstr.) **(Ger)**
[Functional diagnostics of the adrenal cortex following long term treatment with prednisolone] Otto J, et al. **Z Gesamte Inn Med** 1980 Jun 1;35(11):462-4 (Eng. Abstr.) **(Ger)**
[Use of a chronomulticorticoid in the therapy of ulcerous rectocolitis] Gaia E, et al. **Clin Ter** 1979 Aug 15;90(3):233-9 (Eng. Abstr.) **(Ita)**
[Clinical efficacy of four-drug combination treatment of adriamycin, vincristine, ifosfamide, and prednisolone for patients with malignant lymphoma, especially relapsed or refractory types (author's transl)] Kimura I, et al. **Rinsho Ketsueki** 1980 Jun;21(6):785-91 **(Jpn)**
[Therapeutic effect of combined administration of four drugs; vincristine, bleomycin, cyclophosphamide and prednisolone for patients with malignant lymphoma (author's transl)] Kimura I, et al. **Rinsho Ketsueki** 1980 Jun; 21(6):792-800 (Eng. Abstr.) **(Jpn)**
[A case of chronic lymphocytic leukemia responding well to combination chemotherapy with cytosine arabinoside, methotrexate and prednisolone (author's transl)] Yoshikawa H, et al. **Rinsho Ketsueki** 1980 Jul;21(7):1027-32 (Eng. Abstr.) **(Jpn)**
[The study of VENP therapy for acute lymphocytic leukemia (author's transl)] Yoshikawa H, et al. **Rinsho Ketsueki** 1980 Jun;21(6):778-84 **(Jpn)**
[Corticosteroid treatment experience in acute viral hepatitis] Ugriumov BL, et al. **Klin Med (Mosk)** 1981;59(4):63-7 **(Rus)**
[Effect of prolonged prednisolone administration on water metabolism in rats] Kuznetsova KK, et al. **Patol Fiziol Eksp Ter** 1981 Jan-Feb;(1):39-42 (Eng. Abstr.) **(Rus)**
[Cyclophosphan and prednisolone immunosuppressant therapy of a patient with hypoplastic anemia] Postriganeva TN, et al. **Ter Arkh** 1980;52(9):108-10 (Eng. Abstr.) **(Rus)**
[Prolonged treatment of mesangioproliferative glomerulonephritis with a cytostatic agent and prednisolone and a combination of a cytostatic agent, prednisolone an anticoagulant and an antiaggregant] Ratner MIa, et al. **Ter Arkh** 1980;52(8):106-10 (Eng. Abstr.) **(Rus)**
[Therapeutic results in malignant lymphomas treated by the COPP and POPP drug administration schedules] Iavorkovskii LI, et al. **Vopr Onkol** 1981;27(4):34-9 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Correlation between steroid myopathy and serum lactic dehydrogenase in systemic lupus erythematosus. Kanayama Y, et al. **Arch Intern Med** 1981 Aug;141(9):1176-9
Fatal haemorrhagic chickenpox in a child on long-term steroids [letter] Close GC, et al. **Lancet** 1981 Aug 29; 2(8244):480
Deleterious effect of prednisolone in HBsAg-positive chronic active hepatitis. Lam KC, et al. **N Engl J Med** 1981 Feb 12;304(7):380-6
Corticosteroid treatment, serum lipids and coronary artery disease. Jefferys DB, et al. **Postgrad Med J** 1980 Jul; 56(657):491-3
High- and low-dose prednisolone. Chan L, et al. **Transplant Proc** 1981 Mar;13(1 Pt 1):336-8
[Venous thrombosis during long-term corticoid therapy in chronic obstructive lung diseases] Sedlařik K, et al. **Z Erkr Atmungsorgane** 1979 Jun;153(3):372-6 (Eng. Abstr.) **(Ger)**
[Fatal course of a fungal pneumonia in glucocorticoid-treated recurrent febrile nodular panniculitis; Pfeifer-Weber-Christian syndrome] Lehnert M, et al. **Z Rheumatol** 1980 Jan-Feb;39(1-2):46-53 (Eng. Abstr.) **(Ger)**
[Steroid nephropathy in children (author's transl)] Kobayashi O, et al. **Nippon Rinsho** 1980 Jun;38(6):2526-31 **(Jpn)**

ANALOGS & DERIVATIVES

Glucocorticoids and muscle RNA: the effect of daily administration of prednisolone to rats on the turnover of gastrocnemius ribosomal RNA. Goodlad GA, et al. **Biochem Med** 1981 Feb;25(1):34-47
RNA polymerase and ribonuclease activities in skeletal muscle of prednisolone-treated rats. Onyezili FN, et al. **Enzyme** 1981;26(4):211-4

ANALYSIS

Prednisolone concentrations in plasma, saliva and urine. Chakraborty J, et al. **Eur J Clin Pharmacol** 1981 Jan; 19(1):79-81

BLOOD

Determination of prednisolone, prednisone, and cortisol in human plasma by high-performance liquid chromatography. Scott NR, et al. **Anal Biochem** 1980 Nov 1;108(2):266-8
Serum prednisolone levels in Crohn's disease and coeliac disease following oral prednisolone administration. Tanner AR, et al. **Digestion** 1981;21(6):310-5
Prednisolone disposition in cushingoid and noncushingoid kidney transplant patients. Gambertoglio JG, et al. **J Clin Endocrinol Metab** 1980 Sep;51(3):561-5
Modified colorimetric method of plasma prednisolone. Narurkar AN, et al. **J Pharm Sci** 1981 Jul;70(7):810-1
Plasma prednisolone measurements in renal transplant patients. Chakraborty J. **Ulster Med J** 1981;50(Suppl 1):43-9

METABOLISM

Pharmacokinetics of intravenous and oral prednisolone. Al-Habet S, et al. **Br J Clin Pharmacol** 1980 Nov; 10(5):503-8
The effect of concurrent administration of antacids on prednisolone absorption [letter] Lee DA, et al. **Br J Clin Pharmacol** 1979 Jul;8(1):92-4
Prednisolone pharmacokinetics compared between night and day in asthmatic and normal subjects [letter] McAllister WA, et al. **Br J Clin Pharmacol** 1981 Mar;11(3):303-4
Malabsorption of prednisolone from enteric-coated tablets after ileostomy. Al-Habet S, et al. **Br Med J** 1980 Sep 27;281(6244):843-4
Prednisolone metabolism and excretion in the isolated perfused rat kidney. Rocci ML Jr, et al. **Drug Metab Dispos** 1981 May-Jun;9(3):177-82
A single dose of azathioprine does not affect the pharmacokinetics of prednisolone following oral prednisone. Frey FJ, et al. **Eur J Clin Pharmacol** 1981 Feb; 19(3):209-12
Pharmacokinetics of prednisolone in normal and asthmatic subjects in relation to dose. McAllister WA, et al. **Eur J Clin Pharmacol** 1981;20(2):141-5
Uptake of 3H prednisolone by fetal lung explants: role of intercellular contacts in epithelial maturation. Leung CK, et al. **Exp Lung Res** 1980 Jun;1(2):111-20
Prednisolone-binding proteins in the rat liver and gastrocnemius muscle. Onyezili FN, et al. **Experientia** 1981 May 15;37(5):526-8
Prednisolone disposition in steroid-dependent asthmatic children. Rose JQ, et al. **J Allergy Clin Immunol** 1981 Mar; 67(3):188-93
Plasma protein-binding parameters of prednisolone in immune disease patients receiving long-term prednisone therapy. Wagner JG, et al. **J Lab Clin Med** 1981 Apr; 97(4):487-501
Prednisolone clearance at steady state in dogs. Frey FJ, et al. **J Pharmacol Exp Ther** 1980 Nov;215(2):287-91
Enterohepatic circulation of prednisolone in rats. Mueller UW, et al. **Res Commun Chem Pathol Pharmacol** 1981 May; 32(2):195-206
Reversible metabolism and pharmacokinetics: application to prednisone-prednisolone. Wagner JG, et al. **Res Commun Chem Pathol Pharmacol** 1981 Jun; 32(3):387-405

PHARMACODYNAMICS

Long-term effect of glucocorticoid on connective tissue of aorta and skin. Morphological and biochemical studies of tissues from rabbits with intact and injured aortas. Manthorpe R, et al. **Acta Endocrinol (Copenh)** 1980 Oct; 95(2):271-81
Cytogenetic investigations in prednisolone-treated infants. Bajnóczky K, et al. **Acta Paediatr Acad Sci Hung** 1980; 21(2-3):139-43
A modified isolation technique for Chlamydia psittaci in L-cells treated with cycloheximide and glucocorticoid. Rønsholt L. **Acta Pathol Microbiol Scand [B]** 1981; 89B(1):13-23
Novel actions of anti-inflammatory steroids on the prostaglandin system. Moore PK, et al. **Agents Actions [Suppl]** 1980;7:237-41
Effect of prednisolone and rifampin on isoniazid metabolism in slow and rapid inactivators of isoniazid. Sarma GR, et al. **Antimicrob Agents Chemother** 1980 Nov;18(5):661-6
Topical flurbiprofen or prednisolone. Effect on corneal wound healing in rabbits. Miller D, et al. **Arch Ophthalmol** 1981 Apr;99(4):681-2
The effect of diphtheria toxin on the cellular uptake and efflux of L-carnitine. Evidence for a protective effect of prednisolone. Mølstad P, et al. **Biochim Biophys Acta** 1981

Feb 20;641(1):71–8

Effect of insulin and prednisolone on cyclic nucleotides and phosphoenolpyruvate carboxykinase activity in brown fat and liver of developing rats. Skala JP, et al. **Biochim Biophys Acta** 1980 Sep 1;631(3):420–7

Prevention of radiation-induced atheromatous plaque formation by prednisolone. A morphologic exploration. Vos J, et al. **Cell Biol Int Rep** 1981 May;5(5):466

Induction kinetics of human suppressor cells in the mixed lymphocyte reaction and influence of prednisolone on their genesis. Frey BM, et al. **Cell Immunol** 1980 Nov; 56(1):225–34

Glucocorticosteroid enhancement of immunoglobulin synthesis by pokeweed mitogen-stimulated human lymphocytes. Cooper DA, et al. **Clin Exp Immunol** 1981 Apr;44(1):129–36

The role of multiple pharmaco-therapy in the pathogenesis of hyperlipidemia after renal transplantation. Chan MK, et al. **Clin Nephrol** 1981 Jun;15(6):309–13

The effects of azathioprine and prednisolone on T- and B-lymphocytes in patients with lupus nephritis and chronic glomerulonephritis. Tareyeva IE, et al. **Clin Nephrol** 1980 Nov;14(5):233–7

Effects of hormones on the RNA-synthesis of Tetrahymena pyriformis. Csaba G, et al. **Comp Biochem Physiol [C]** 1981; 68C(2):251–3

Effect of ascorbic acid (vitamin C) on the epiphyseal plate of young guinea pigs receiving prednisolone. Liakakos D, et al. **Dev Pharmacol Ther** 1981;2(2):69–79

Effects of prednisolone and dexamethasone in vivo and in vitro: studies of insulin binding, deoxyglucose uptake and glucose oxidation in rat adipocytes. De Pirro R, et al. **Diabetologia** 1981 Aug;21(2):149–53

Relative potency in acute and chronic suppressive effects of prednisolone and betamethasone on the hypothalamic-pituitary-adrenal axis in man. Morimoto Y, et al. **Endocrinol Jpn** 1980 Oct;27(5):659–66

Effect of administering a high dosage glucocorticoid bolus on the survival and subcapsular hydrostatic pressure of rat kidney allografts.. Wagner E, et al. **Eur Surg Res** 1980; 12(3):179–85

Effect of prednisolone on prostaglandin synthesis by rectal mucosa in ulcerative colitis: investigation by laminar flow bioassay and radioimmunoassay. Hawkey CJ, et al. **Gut** 1981 Mar;22(3):190–3

Inhibition of granulocyte function by prednisolone and non-steroid anti-inflammatory drugs. Quantitative evaluation with NBT test and its correlation with phagocytosis. Herzer P, et al. **Immunobiology** 1980 Apr; 157(1):78–88

Influence of prednisolone & L-thyroxine on the changes in collagen crosslinking in rats with adjuvant-induced arthritis. Kuberasampath T, et al. **Indian J Biochem Biophys** 1980 Apr;17(2):99–103

Effect of intra-articular corticosteroid on the meniscus. A histological and histochemical study in rabbit knees. Ishikawa K. **J Bone Joint Surg [Am]** 1981 Jan; 63A(1):120–30

Transport of steroid hormones: interaction of 70 drugs with testosterone-binding globulin and corticosteroid-binding globulin in human plasma. Pugeat MM, et al. **J Clin Endocrinol Metab** 1981 Jul;53(1):69–75

Anti-inflammatory steroids reduce tissue PG synthetase activity and enhance PG breakdown. Moore PK, et al. **Nature** 1980 Nov 20;288(5788):269–70

Constriction of the fetal ductus arteriosus by glucocorticoid hormones. Momma K, et al. **Pediatr Res** 1981 Jan; 15(1):19–21

Effect of corticosteroids on circulating lymphocytes. Hedman LA, et al. **Scand J Urol Nephrol [Suppl]** 1980; 54:120–3

Reversal of prednisolone-induced inhibition of intestinal calcium-binding protein synthesis by 1 alpha-hydroxycholecalciferol in chicks. Babarykin DA, et al. **Tohoku J Exp Med** 1980 Nov;132(3):261–6

[The effect of prednisolone and ACTH on the in vitro metabolism of human placenta from early pregnancy (author's transl)] Nagy P, et al. **Z Geburtshife Perinatol** 1981 Jun;185(3):165–7 (Eng. Abstr.) **(Ger)**

[In vivo effect of oxyphenbutazone and prednisolone on the DNA metabolism of the Syrian hamster] Klein W, et al. **Z Rheumatol** 1980 Sep-Oct;39(9–10):301–8 **(Ger)**

[Direct beta-adrenergic receptor assay of rabbit lung–effects of isoproterenol, salbutamol and prednisolone (author's transl)] Izumi T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Dec; 18(12):892–8 (Eng. Abstr.) **(Jpn)**

[Effect of hormonal agents on the surface-active properties of fetal pulmonary surfactants] Timoshenko LV, et al. **Vrach Delo** 1981 Aug;(8):53–5 **(Rus)**

[Effect of various hormones and indomethacin on nonspecific protective factors of the leukocytes in pyelonephritis] Ukhal' MI, et al. **Vrach Delo** 1981 Jan;(1):35–8 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Remission of acquired factor-VIII-inhibitor-induced bleeding [letter] Ghosh ML. **Acta Haematol (Basel)** 1980; 64(3):179–80

An alternate-day corticosteroid regimen in maintenance therapy of giant cell arteritis. Bengtsson BA, et al. **Acta Med Scand** 1981;209(5):347–50

Treatment of graft-versus-host disease in human allogeneic marrow graft recipients: a randomized trial comparing antithymocyte globulin and corticosteroids. Doney KC, et al. **Am J Hematol** 1981;11(1):1–8

A rational regimen for perioperative steroid supplements and a clinical assessment of the requirement. Lloyd EL. **Ann R Coll Surg Engl** 1981 Jan;63(1):54–7

Hypothyroidism associated with mixed connective tissue disease and its response to steroid therapy. Withrington RH, et al. **Ann Rheum Dis** 1981 Jun;40(3):315–6

Steroid treatment for experimental autoimmune myasthenia gravis. Barone DA, et al. **Arch Neurol** 1980 Oct; 37(10):663–6

Influence of immunosuppressive treatment of Borna Disease in rabbits. Gierend M, et al. **Arch Virol** 1981;67(3):217–28

Corticosteroids in chronic airways obstruction: can the patient's assessment be ignored? Williams IP, et al. **Br J Dis Chest** 1980 Apr;74(2):142–8

Drugs and rheumatoid arthritis [letter] McConkey B. **Br Med J** 1980 Sep 6;281(6241):681

Drugs and rheumatoid arthritis [letter] West HF. **Br Med J** 1980 Jul 26;281(6235):310

A steroid sparing effect of ketotifen in steroid-dependent asthmatics. Lane DJ. **Clin Allergy** 1980 Sep;10(5):519–25

Enhanced functional ability in drug-treated dystrophic chickens: trial results with indomethacin, diphenylhydantoin, and prednisolone. Hudecki MS, et al. **Exp Neurol** 1981 Jul;73(1):173–85

Comparison of the effects of theophylline, prednisolone and sleep withdrawal on airway obstruction and urinary cyclic AMP/cyclic GMP excretion of asthmatic children with and without nocturnal asthma. Reinhardt D, et al. **Int J Clin Pharmacol Ther Toxicol** 1980 Sep;18(9):399–404

Prednisolone disposition in steroid-dependent asthmatics. Rose JQ, et al. **J Allergy Clin Immunol** 1980 Nov; 66(5):366–73

Improvement of tuberculous pericardial effusion by steroid. Hathirat S, et al. **J Med Assoc Thai** 1980 Dec;63(12):685–8

The comparative prophylactic effects of sulphasalazine, prednisolone and azathioprine in experimental colonic ulceration. Watt J, et al. **J Pharm Pharmacol** 1980 Dec; 32(12):873–4

Clofazimine (lamprene or B663) in lepra reactions. Imkamp FM. **Lepr Rev** 1981 Jun;52(2):135–40

Dermatophytosis and immunosuppression in pemphigus. Chetty GN, et al. **Mykosen** 1980 Nov;23(11):644–6

Prednisolone in HBsAg-positive chronic active hepatitis [letter] **N Engl J Med** 1981 Jul 30;305(5):281–3

Terminal deoxynucleotidyl transferase activity in the blastic cells of acute lymphoblastic leukemia of childhood and adolescents--a predictor of responsiveness to vincristine-prednisolone therapy. Furukawa K, et al. **Nippon Ketsueki Gakkai Zasshi** 1980 Feb;43(1):26–32

Variation in 17 oxogenic steroid excretion following oral prednisolone in children with lymphoblastic leukaemia. Lilleyman JS, et al. **Oncology** 1981;38(5):274–6

Cyclophosphamide-prednisolone therapy in advanced prostatic carcinoma. Andersson L, et al. **Scan J Urol Nephrol [Suppl]** 1980;55:169–71

Follow-up study of the nephrotic syndrome in children treated with steroids. Huang CC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Feb;80(2):225–38

Medical treatment of chronic hepatitis. Results of a retrospective study. Thaler H. **Tokai J Exp Clin Med** 1980 Jul;5(3):361–6

[Diaphyseal dysplasia (Camurati-Engelmann syndrome) with progressive loss of vision: 30-year observations and the effect of prednisolone treatment (author's transl)] Kuhlencordt F, et al. **Dtsch Med Wochenschr** 1981 May 8;106(19):617–21 (Eng. Abstr.) **(Ger)**

[Immunosuppressive treatment of chronic active hepatitis (author's transl)] Vido I, et al. **Dtsch Med Wochenschr** 1980 Aug 29;105(35):1205–9 (Eng. Abstr.) **(Ger)**

[Immunosuppressive treatment of the early stages of active or inactive chronic hepatitis: results of a pilot study (author's transl)] Vido I, et al. **Dtsch Med Wochenschr** 1980 Oct 10;105(41):1411–4 (Eng. Abstr.) **(Ger)**

[Disease-specific renal failure in angioimmunoblastic lymphadenopathy - remission by high dose prednisolone. A case report (author's transl)] Platzer E, et al. **Klin Wochenschr** 1981 May 15;59(10):509–16 (Eng. Abstr.) **(Ger)**

[Modification of stimulus threshold increase following heart pacemaker implantation by prednisolone] Thiele G, et al. **Z Gesamte Inn Med** 1980 Dec 15;35(24):863–6 (Eng. Abstr.) **(Ger)**

[Etiocholanolone-prednisolone combination in the therapy of certain bone marrow insufficiency diseases (letter)] Ippoliti G, et al. **Haematologica (Pavia)** 1980 Jun; 65(3):414–5 **(Ita)**

[Evaluation of the results of radical surgical treatment of Crohn disease as related to a diversified postoperative treatment] Morettini A, et al. **Recenti Prog Med** 1981 Jun; 70(6):669–73 (Eng. Abstr.) **(Ita)**

[A case of sarcoidosis with diabetes insipidus and lactation treated with prednisolone (author's transl)] Iijima F, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Jul;18(7):458–63 (Eng. Abstr.) **(Jpn)**

[In vitro interaction between monocytes and complement-coated erythrocytes of patients with immune hemolytic anemia : effect of corticosteroid treatment (author's transl)] Suzuki S, et al. **Rinsho Ketsueki** 1980 Nov; 21(11):1737–46 (Eng. Abstr.) **(Jpn)**

[Clinical course of acute myocardial infarct in 90 patients treated with adrenal steroids] Kraska T, et al. **Kardiol Pol** 1980;23(12):997–1003 (Eng. Abstr.) **(Pol)**

[Clinical importance of the electron microscopic study of muscle biopsies in myasthenia during prednisolone therapy] Pal'tsev MA, et al. **Arkh Patol** 1981;43(1):52–8 (Eng. Abstr.) **(Rus)**

[Experimental basis fur using D-penicillamine in liver cirrhosis] Nikolaev AV, et al. **Biull Eksp Biol Med** 1981 Mar;91(3):290–3 (Eng. Abstr.) **(Rus)**

[Effect of prednisolone on 3H-catecholamine synthesis in the adrenals of physically fatigued rats] Volina EV, et al. **Biull Eksp Biol Med** 1980 Dec;90(12):688–90 (Eng. Abstr.) **(Rus)**

[Rheological and blood coagulation control during treatment of diffuse kidney diseases] Zhavoronkov EK, et al. **Klin Med (Mosk)** 1981 Jan;59(1):57–63 **(Rus)**

[Cortisol and corticosterone in the pathogenesis and therapy of chronic cor pulmonale] Pribylova NN. **Sov Med** 1980; (12):80–2 **(Rus)**

[Evaluation of the effect of a high-protein diet in combination with hormone and drug preparations on immunological homeostasis indices in rheumatism patients with a low degree of activity of the disease process] Samsonov MA, et al. **Vopr Pitan** 1981 Jan-Feb;(1):8–11 (Eng. Abstr.) **(Rus)**

[Spontaneous leukocyte agglomeration and local hemolysis (plaque formation) reactions in viral hepatitis and the effects of different types of pathogenetic therapy on them] Vasil'ev VS. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Jul; (7):116–7 **(Rus)**

[Immunotherapy of certain acute and chronic forms of neuroinfections (tick-borne encephalitis, multiple sclerosis, disseminated encephalomyelitis)] Umanskiĭ KG, et al. **Zh Nevropatol Psikhiatr** 1981;81(2):10–6 (Eng. Abstr.) **(Rus)**

[Current treatment of active chronic hepatitis] Moreira V, et al. **Rev Clin Esp** 1980 Jul 15–31;158(1–2):1–9 **(Spa)**

PREDNISOLONE, TOPICAL

[Anti-inflammatory effects of prednisolone 17-valerate 21-acetate, a new topical corticosteroid (author's transl)] Wada Y, et al. **Nippon Yakurigaku Zasshi** 1980 Sep; 76(5):333–45 (Eng. Abstr.) **(Jpn)**

ANALOGS & DERIVATIVES

Biological properties of a new non-fluorinated topical antiinflammatory steroid. Celasco G, et al. **Farmaco [Prat]** 1980 Mar;35(3):107–20

[Effect of prednisolone 17-valerate 21-acetate on immunological responses in mice (author's transl)] Kobayashi F, et al. **Nippon Yakurigaku Zasshi** 1980 Sep; 76(5):363–72 (Eng. Abstr.) **(Jpn)**

[Anti-inflammatory effects of prednisolone 17-valerate 21-acetate, a new topical corticosteroid (author's transl)] Wada Y, et al. **Nippon Yakurigaku Zasshi** 1980 Sep; 76(5):333–45 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

The management of puerperal haemorrhoids. A double-blind clinical trial of Anacal rectal ointment. Ledward RS. **Practitioner** 1980 Jun;224(1344):660–1

[Systemic side effects of topically applied corticosteroid medication (author's transl)] Meredig WE, et al. **Klin Monatsbl Augenheilkd** 1980 Jun;176(6):907–10 (Eng. Abstr.) **(Ger)**

PREDNISONE

A study on the release of prednisone from new ointment bases containing various additives. Attia MA, et al. **Pharmazie** 1981;36(1):21–3

ADMINISTRATION & DOSAGE

Adrenoleukodystrophy. Failure of immunosuppression to prevent neurological progression. Stumpf DA, et al. **Arch Neurol** 1981 Jan;38(1):48–9

Combined therapy with methotrexate and prednisone in polyarteritis nodosa. Tannenbaum H. **Can Med Assoc J** 1980 Nov 8;123(9):893–4

Successful pregnancy during chemotherapy for acute leukemia. Dara P, et al. **Cancer** 1981 Mar 1;47(5):845–6

A four-year experience with anthracycline, cytosine arabinoside, vincristine and prednisone combination chemotherapy in 325 adults with acute leukemia. Keating MJ, et al. **Cancer** 1981 Jun 15;47(12):2779–88

Vindesine and prednisone for remission induction in children with acute lymphocytic leukemia. Vats TS, et al. **Cancer** 1981 Jun 15;47(12):2789–92

Effects of adjuvant chemohormonal therapy on the ovarian and adrenal function of breast cancer patients. Rose DP, et al. **Cancer Res** 1980 Nov;40(11):4043–7

Adrenal response to serial cosyntropin stimulation after repeated high-dose prednisone administration in patients with lymphoma. Zamkoff K, et al. **Cancer Treat Rep** 1981 Jul-Aug;65(7–8):563–6

Cimetidine (Tagamet) combined with steroids and H1 antihistamines for the prevention of serious radiographic contrast material reactions. Myers GE, et al.

Cathet Cardiovasc Diagn 1981;7(1):65–9

A single dose of azathioprine does not affect the pharmacokinetics of prednisolone following oral prednisone. Frey FJ, et al. **Eur J Clin Pharmacol** 1981 Feb; 19(3):209–12

Alternate-day prednisone is more effective than intermittent prednisone in frequently relapsing nephrotic syndrome. A report of 'Arbeitsgemeinschaft für Pädiatrische Nephrologie. **Eur J Pediatr** 1981 Feb;135(3):229–37

Supradiaphragmatic Hodgkin's disease: is there a role for MOPP chemotherapy in patients with bulky mediastinal disease? Mauch P, et al. **Int J Radiat Oncol Biol Phys** 1980 Jul;6(7):947–9

Otitis media with effusion: results of treatment with a short course of oral prednisone or intranasal beclomethasone aerosol. Schwartz RH. **Otolaryngol Head Neck Surg** 1981 May–Jun;89(3 Pt 1):386–91

Alternate day prednisone treatment may increase kidney transplant rejection. Leb DE.
Proc Clin Dial Transplant Forum 1979;9:136–9

Alternate day steroids and blood pressure control after renal transplantation. McHugh MI, et al.
Proc Eur Dial Transplant Assoc 1980;17:496–501

Membranous nephropathy: high-dose alternate-day therapy with prednisone. Hopper J Jr, et al. **West J Med** 1981 Jul; 135(1):1–8

[Treatment of head and neck tumors by the combination of bleomycin, methotrexate, cyclophosphamide and corticoid (author's transl)] Mamede RC, et al.
Ann Otolaryngol Chir Cervicofac 1980 Oct–Nov; 97(10–11):949–57 (Eng. Abstr.) **(Fre)**

[Controlled study of treatment of steroids and chlorambucil, in alternate months, for membranous nephropathy and focal glomerulosclerosis. Preliminary evaluation of the results] Imbasciati E, et al. **Minerva Nefrol** 1980 Oct–Dec; 27(4):571–5 (Eng. Abstr.) **(Ita)**

[Therapeutic problems in the adrenogenital syndrome caused by salt-losing 21-hydroxylase deficiency. Appearance of signs of corticoid overdosage at normally used doses] Iester A, et al. **Minerva Pediatr** 1981 Apr 30;33(8):367–73 (Eng. Abstr.) **(Ita)**

[Local injections of anesthetics and corticosteroids in the treatment of degenerative changes in the spine] Shvets AI. **Chir Narzadow Ruchu Ortop Pol** 1980;45(3):259–63 (Eng. Abstr.) **(Pol)**

[Effect of cortisone acetate on acid mucopolysaccharide (glycosaminoglycans) content in rabbit kidney. III. Changes in N-acetyl-beta-D-glucosaminidase activity] Chocha A. **Endokrynol Pol** 1980 May–Jun;31(3):267–71 (Eng. Abstr.) **(Pol)**

[Late results of immunosuppressive treatment of periarteritis nodosa] Wysocka K, et al. **Wiad Lek** 1980 Sep 15; 33(18):1437–40 (Eng. Abstr.) **(Pol)**

[The combination of indomethacin and prednisone in the treatment of primary nephrotic syndrome in children] Crețu S, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1980 Jul–Sep;29(3):269–75 (Eng. Abstr.) **(Rum)**

ADVERSE EFFECTS

Pseudopneumoperitoneum due to subphrenic fat. Fataar S, et al. **AJR** 1981 Aug;137(2):391–2

Systemic mycosis complicating high dose corticosteroid treatment of chronic active liver disease. Wright SH, et al. **Am J Gastroenterol** 1980 Nov;74(5):428–32

Kaposi's sarcoma complicating corticosteroid therapy for temporal arteritis. Leung F, et al. **Am J Med** 1981 Aug; 71(2):320–2

Prevention of prednisone-induced negative nitrogen balance. Effect of dietary modification on urea generation rate in patients on hemodialysis receiving high-dose glucocorticoids. Cogan MG, et al. **Ann Intern Med** 1981 Aug;95(2):158–61

Kaposi's sarcoma after immunosuppressive therapy with prednisone. Hoshaw RA, et al. **Arch Dermatol** 1980 Nov; 116(11):1280–2

Dermatofibromas and systemic lupus erythematosus [letter] Kravitz P. **Arch Dermatol** 1980 Dec;116(12):1347

Acute miliary blastomycosis after 'short-course' corticosteroid treatment. Berger R, et al.
Arch Intern Med 1981 Aug;141(9):1223–5

Temporal fat pad sign during corticosteroid treatment. Gottlieb NL. **Arch Intern Med** 1980 Nov;140(11):1507–8

Acute prednisone-induced disabling myalgias in scleroderma [letter] Thompson MD, et al. **Arthritis Rheum** 1981 Apr; 24(4):639–40

Hypotension during and after operation in glucocorticoid-treated patients. Knudsen L, et al.
Br J Anaesth 1981 Mar;53(3):295–301

Avascular necrosis of bone in children receiving high-dose steroid treatment. Gregg PJ, et al. **Br Med J** 1980 Jul 12; 281(6233):116

Chemotherapy as a cause of low serum creatine kinase activity [letter] Fraser AD. **Clin Chem** 1980 Oct; 26(11):1629–30

Peritonsillar abscess: a complication of corticosteroid treatment in infectious mononucleosis. Handler SD, et al. **Int J Pediatr Otorhinolaryngol** 1979 Dec;1(3):265–8

Development of allergic bronchopulmonary aspergillosis during treatment of severe asthma with systemic corticosteroids. Clayton DE, et al.
J Allergy Clin Immunol 1981 Mar;67(3):243–6

Prednisolone disposition in cushingoid and noncushingoid kidney transplant patients. Gambertoglio JG, et al.
J Clin Endocrinol Metab 1980 Sep;51(3):561–5

Risk factors for hyperglycemia in children with leukemia receiving L-asparaginase and prednisone. Pui CH, et al. **J Pediatr** 1981 Jul;99(1):46–50

WISC-R verbal/performance discrepancies in pediatric cancer patients. Stehbens JA, et al. **J Pediatr Psychol** 1981 Mar;6(1):61–8

Osteonecrosis in patients with Hodgkin disease following combination chemotherapy. Albala MM, et al.
Med Pediatr Oncol 1980;8(2):165–70

Factors influencing the intestinal absorption of calcium and phosphorus following renal transplantation. Walker GS, et al. **Nephron** 1980;26(5):225–9

[Aseptic osteonecrosis in Hodgkin's disease (letter)] Diumenjo MC, et al. **Sangre (Barc)** 1980;25(4):515 **(Spa)**

ANALOGS & DERIVATIVES

Mass spectrometric identification and confirmation of 16-methylprednisone acetate in Mexican pills. Urich RW, et al. **J Anal Toxicol** 1980 Mar–Apr;4(2):49–53

BLOOD

Determination of prednisolone, prednisone, and cortisol in human plasma by high-performance liquid chromatography. Scott NR, et al. **Anal Biochem** 1980 Nov 1;108(2):266–8

METABOLISM

Reversible metabolism and pharmacokinetics: application to prednisone-prednisolone. Wagner JG, et al.
Res Commun Chem Pathol Pharmacol 1981 Jun; 32(3):387–405

PHARMACODYNAMICS

Effect of prednisone on gastric blood flow in swine. Zamora CS, et al. **Am J Vet Res** 1980 Jun;41(6):885–8

Decreased insulin binding of human erythrocytes after dexamethasone or prednisone ingestion. Yasuda K, et al. **Diabetes** 1980 Oct;29(10):811–4

Effect of hormones on the killing by antibody and complement of tumor cells treated with proteolytic enzymes. Schlager SI, et al. **Immunopharmacology** 1979 Mar;1(2):115–24

Dose-response studies of the suppression of whole blood histamine and basophil counts by prednisone.
Saavedra-Delgado AM, et al. **J Allergy Clin Immunol** 1980 Dec;66(6):464–71

Effects off short term glucocorticoid administration on intestinal calcium absorption and circulating vitamin D metabolite concentrations in man. Hahn TJ, et al.
J Clin Endocrinol Metab 1981 Jan;52(1):111–5

Effects of corticosteroids on eosinophil chemotaxis and adherence. Altman LC, et al. **J Clin Invest** 1981 Jan; 67(1):28–36

Partial preservation of pancreatic beta-cell function in children with diabetes. Elliott RB, et al. **Lancet** 1981 Jul 4;2(8236):1–4

A prospective study of methylprednisolone and prednisone as immunosuppressive agents in clinical renal transplantation. Burleson RL, et al. **Transplant Proc** 1981 Mar;13(1 Pt 1):339–43

PHYSIOLOGY

The effect of drugs on accumulation of exogenous norepinephrine by nervous tissue in vitro. Szydłowska H, et al. **Folia Histochem Cytochem (Krakow)** 1980; 18(3):189–94

THERAPEUTIC USE

Effect of intravenous adrenalin infusion and corticosteroid treatment in patients with von Willebrand's disease. Ozsoylu S, et al. **Acta Haematol (Basel)** 1980;64(5):289–93

Thyrotoxic hypercalcemia treated with corticosteroids. Aanderud S, et al. **Acta Med Scand** 1980;207(6):499–501

Focal glomerulosclerosis. Extent of involvement related to steroid resistance. Kohaut EC, et al. **Am J Clin Pathol** 1981 Feb;75(2):181–5

Terminal deoxynucleotidyl transferase in the blastic phase of chronic myelogenous leukemia: an indicator of response to vincristine and prednisone therapy. Tanaka M, et al. **Am J Hematol** 1980;9(3):287–93

Corticosteroid-responsive hypercalcemia with elevated serum 1-alpha, 25 dihydroxyvitamin D. Frame B, et al. **Ann Intern Med** 1980 Sep;93(3):449–51

Use of a short course of prednisone for treating middle ear effusion. A double-blind crossover study. Schwartz RH, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1980 May–Jun;89(3 Pt 2 Suppl 68):296–300

Treatment of mesangiocapillary glomerulonephritis in children with combined immunosuppression and anticoagulation. Chapman SJ, et al. **Arch Dis Child** 1980 Jun;55(6):446–51

Long-term survival of patients with Hodgkin's disease. Treatment with cyclophosphamide, vinblastine, procarbazine, and prednisone. Gibbs GE, et al.
Arch Intern Med 1981 Jun;141(7):897–900

Bronchiolitis fibrosa obliterans in adults. Hawley PC, et al. **Arch Intern Med** 1981 Sep;141(10):1324–7

Prednisone and azathioprine for polymyositis: long-term followup. Bunch TW. **Arthritis Rheum** 1981 Jan;24(1):45–8

Successful treatment of sudden hearing loss in Cogan's syndrome with corticosteroids. Haynes BF, et al.
Arthritis Rheum 1981 Mar;24(3):501–3

Mitochondrial myopathy with cardiomyopathy, lactic acidosis and response to prednisone and thiamine. Mastaglia FL, et al. **Aust NZ J Med** 1980 Dec;10(6):660–4

The valve of prednisone in the prevention of scarring after vasovasostomy. Urquhart-Hay D. **Aust NZ J Surg** 1980 Aug;50(4):382–3

Chronic graft-versus-host disease in 52 patients: adverse natural course and successful treatment with combination immunosuppression. Sullivan KM, et al. **Blood** 1981 Feb; 57(2):267–76

Treatment comparisons in the third MRC myelomatosis trial. Medical Research Council's Working Party on Leukaemia in Adults. **Br J Cancer** 1980 Dec;42(6):823–30

Report on the second myelomatosis trial after five years of follow-up. Medical Research Council's Working Party on Leukaemia in Adults. **Br J Cancer** 1980 Dec;42(6):813–22

Idiopathic pyoderma gangrenosum and impaired lymphocyte function: failure of azathioprine and corticosteroid therapy. Breathnach SM, et al. **Br J Dermatol** 1981 May; 104(5):567–73

Sebaceous gland suppression in female acne patients by combined glucocorticoid-oestrogen therapy. Saihan EM, et al. **Br J Dermatol** 1980 Aug;103(2):139–42

Nephrotic syndrome with slight proliferative changes in the glomeruli: response to prednisone. Rashid H, et al.
Br Med J 1980 Aug 2;281(6236):347–50

Acute hemolytic anemia secondary to infectious mononucleosis [letter] Wentworth P, et al.
Can Med Assoc J 1980 Sep 20;123(6):482–6

Hypothalamic-pituitary-adrenal (HPA) function in adrenocortical steroid treated minimal change nephrotic syndrome. Moel DI, et al. **Clin Nephrol** 1980 Jul; 14(1):36–41

Annular vesicular lupus erythematosus. Grant JM. **Cutis** 1981 Jul;28(1):90–2

Sarcoidosis of the larynx. Ahmadi D, et al.
Ear Nose Throat J 1981 Jul;60(7):307–9

Decreased bioavailability of prednisone due to antacids in patients with chronic active liver disease and in healthy volunteers. Uribe M, et al. **Gastroenterology** 1981 Apr; 80(4):661–5

Prognostic factors and survival in multiple myeloma. Analysis of 91 cases treated by melphalan and prednisone. Gobbi M, et al. **Haematologica (Pavia)** 1980 Aug; 65(4):437–45

The Illinois Lung Association's first asthma camp. Eagleton LE. **IMJ** 1980 Dec;158(6):390–1

Deflazacort in thrombocytopenia: a comparison with prednisone. Mazzucconi MG, et al.
Int J Clin Pharmacol Ther Toxicol 1980 Dec;18(12):538–42

Graves' ophthalmopathy—immunologic parameters related to corticosteroid therapy. Sergott RC, et al.
Invest Ophthalmol Vis Sci 1981 Feb;20(2):173–82

Effects of theophylline, terbutaline, and prednisone on antigen-induced bronchospasm and mediator release. Martin GL, et al. **J Allergy Clin Immunol** 1980 Sep; 66(3):204–12

Prednisolone disposition in steroid-dependent asthmatic children. Rose JQ, et al. **J Allergy Clin Immunol** 1981 Mar; 67(3):188–93

Failure of systemically administered corticosteroids to suppress UVB-induced delayed erythema. Greenwald JS, et al. **J Am Acad Dermatol** 1981 Aug;5(2):197–202

Leukemia cutis in blastic transformation of chronic myelocytic leukemia: TdT positive blasts and response to vincristine and prednisone. Ansell JE, et al.
J Cutan Pathol 1980 Oct;7(5):302–9

Chronic eosinophilic pneumonia: a case without tissue confirmation. Dahhan AK, et al. **J Ky Med Assoc** 1981 Jul;79(7):425–9

Plasma protein-binding parameters of prednisolone in immune disease patients receiving long-term prednisone therapy. Wagner JG, et al. **J Lab Clin Med** 1981 Apr; 97(4):487–501

The primary nephrotic syndrome in children. Identification of patients with minimal change nephrotic syndrome from initial response to prednisone. A report of the International Study of Kidney Disease in Children. **J Pediatr** 1981 Apr; 98(4):561–4

Steroid therapy for ureteral obstruction after aortoiliac graft surgery. Huben RP, et al. **J Urol** 1981 Jun;125(6):881–3

Relapsing polychondritis with glomerulonephritis. Improvement with prednisone and cyclophosphamide. Ruhlen JL, et al. **JAMA** 1981 Feb 27;245(8):847–8

Partial preservation of pancreatic beta-cell function in children with diabetes [letter] **Lancet** 1981 Aug 8; 2(8241):311

Criteria for immunosuppressive treatment (corticotherapy) in the early stage of chronic viral hepatitis. Miron C, et al. **Med Interne** 1980 Oct–Dec;18(4):391–9

Androgen therapy during myeloblastic leukemia remission induced by two drug combinations. Pavlovsky S, et al. **Medicina (B Aires)** 1981;41(1):11–8

Effects of hydrochlorothiazide and dietary sodium restriction on calcium metabolism in corticosteroid treated patients. Adams JS, et al. **Metabolism** 1981 Mar;30(3):217–21

Corticosteroid-treated chronic active hepatitis in remission: uncertain prognosis of chronic persistent hepatitis. Czaja

AJ, et al. **N Engl J Med** 1981 Jan 1;304(1):5–9
Prednisone management of granulomatous mastitis. DeHertogh DA, et al. **N Engl J Med** 1980 Oct 2; 303(14):799–800
Liver transplantation with use of cyclosporin a and prednisone. Starzl TE, et al. **N Engl J Med** 1981 Jul 30; 305(5):266–9
Stable remissions in myasthenia gravis. Perez MC, et al. **Neurology (NY)** 1981 Jan;31(1):32–7
Effect of plasmapheresis (PP), corticosteroids and cyclophosphamide in essential mixed polyclonal cryoglobulinaemia associated with glomerulonephritis. Houwert DA, et al. **Proc Eur Dial Transplant Assoc** 1980; 17:650–4
Less aggressive rejection therapy and low-dose corticosteroids leading to satisfactory cadaveric kidney graft survival and low morbidity rate. van Hooff JP, et al. **Proc Eur Dial Transplant Assoc** 1980;17:435–9
Response to steroid and immunosuppressor therapy in patients with chronic active liver disease (CALD) non-related to the presence of hepatitis Bs antigen. Robles G, et al. **Rev Invest Clin** 1980 Jul–Sep;32(3):271–6
Complete remission of idiopathic pure red cell aplasia. Case reports. Hunter C, et al. **S Afr Med J** 1981 Jul 11;60(2):68–9
Preoperative prednisone therapy in platelet function disorders. Mielke CH Jr, et al. **Thromb Res** 1981 Mar; 21(6):655–62
Steroid withdrawal following HLA-identical related donor transplantation. First MR, et al. **Transplant Proc** 1981 Mar; 13(1 Pt 1):319–22
Steroids can be stopped in kidney transplant recipients. Steinman TI, et al. **Transplant Proc** 1981 Mar;13(1 Pt 1):323–7
[Treatment of collagenoses with cytostatic agents] Klabusay L. **Vnitr Lek** 1980 Oct;26(10):941–6 **(Cze)**
[Pemphigus foliaceus in a child. A two years follow-up under steroid. An immunosuppression therapy (author's transl)] Larrègue M, et al. **Ann Dermatol Venereol** 1980 May; 107(5):389–95 (Eng. Abstr.) **(Fre)**
[Idiopathic thrombocytopenic purpura (ITP) it childhood (author's transl)] Schaison G, et al. **Ann Pediatr (Paris)** 1980 Dec;27(10):641–4 (Eng. Abstr.) **(Fre)**
[Development of Horton's disease under corticotherapy (letter)] Graisely B, et al. **Nouv Presse Med** 1980 Oct 11; 9(37):2736 **(Fre)**
[Therapy of chronic hepatitis (author's transl)] Arnold W, et al. **Leber Magen Darm** 1981 Apr;11(2):73–80 (50 ref.) (Eng. Abstr.) **(Ger)**
[Clinical course observations of children with chronic aggressive hepatitis and liver cirrhosis during immunosuppressive therapy] Jeschke R, et al. **Monatsschr Kinderheilkd** 1980 May;128(5):261–3 **(Ger)**
[Results of chemotherapy with cyclophosphamide, vincristine, methotrexate and prednisone in recurring or disseminated non-Hodgkin lymphomas in the University of Kiel Radiology Clinic] Liffers R. **Onkologie** 1981 Jun; 4(3):156–61 (Eng. Abstr.) **(Ger)**
[Corticoid therapy of caustic esophagitis] Salatto FP, et al. **Chir Ital** 1980 Apr;32(2):337–42 **(Ita)**
[Incidence in the past decade of nephrotic syndrome in childhood Therapeutic result of the use of 3 corticosteroids] Bosco Borghesan A, et al. **Minerva Pediatr** 1980 Aug 15; 32(15):939–42 (Eng. Abstr.) **(Ita)**
[Response of primary nephrotic syndrome in children to corticosteroid treatment in the light of immunomorphological studies of the kidneys] Kozłowski J. **Pediatr Pol** 1980 Jun;55(6):715–22 **(Pol)**
[Comparative evaluation of the results of treatment of viral hepatitis with glucocorticoids and duodenal decompressing drainage with administration of 5% glucose solution] Szczotka W, et al. **Pol Tyg Lek** 1980 Jul 14;35(28):1059–62 (Eng. Abstr.) **(Pol)**
[Cluster headache: clinical and therapeutic aspects in 26 cases] Sanvito WL, et al. **Arq Neuropsiquiatr** 1980 Dec; 38(4):375–84 (Eng. Abstr.) **(Por)**
[Prognosis of chronic hepatitis] Terg R, et al. **Acta Gastroenterol Latinoam** 1980;10(1):35–48 (Eng. Abstr.) **(Spa)**
[Idiopathic pulmonary hemosiderosis; long-term follow-up in 10 patients treated with corticoids and immunosuppressive agents] Ceruti Danus E, et al. **Bol Med Hosp Infant Mex** 1980 Sep–Oct;37(5):985–1002 (Eng. Abstr.) **(Spa)**
[Treatment of lymphoblastic leukemia] Svarch E, et al. **Bol Med Hosp Infant Mex** 1980 Jul–Aug;37(4):707–19 (Eng. Abstr.) **(Spa)**
[Combined chemotherapy: prednisone, cytosine arabinose and vincristine in the treatment of acute non-lymphoblastic leukemia in the adult] Avilés-Miranda A, et al. **Gac Med Mex** 1980 Aug;116(8):359–64 **(Spa)**
[Clinical considerations on 110 cases of Bell's palsy] Figini HA. **Medicina (B Aires)** 1980 Mar–Apr;40(2):167–75 (Eng. Abstr.) **(Spa)**
[Hypereosinophilic syndrome with a good response to treatment] Rodríguez Illera E, et al. **Rev Clin Esp** 1981 Apr 25;161(1):55–6 **(Spa)**

TOXICITY

Effect of L-glutamic acid on glucocorticoid-induced cleft palate in gestating albino mice. Zawoiski EJ. **Toxicol Appl Pharmacol** 1980 Oct;56(1):23–7

PRE-ECLAMPSIA

Labour-onset pre-eclampsia. Long PA, et al. **Aust NZ J Obstet Gynaecol** 1981 Feb;21(1):16–9
Plasma pregnancy-associated alpha 2-glycoprotein concentrations in complications of pregnancy and foetal abnormality. Thomson AW, et al. **J Reprod Immunol** 1979 Dec;1(4):229–35

BLOOD

Factor VIII complex in normal pregnancy, pre-eclampsia and fetal growth retardation. Fournie A, et al. **Br J Obstet Gynaecol** 1981 Mar;88(3):250–4
Plasmatic regulation of vascular prostacyclin in pregnancy. Remuzzi G, et al. **Br Med J [Clin Res]** 1981 Feb 14; 282(6263):512–4
Leucocyte electrolytes and sodium efflux rate constants in the hypertension of pre-eclampsia. Forrester TE, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:199s–201s
Platelet production time, uricemia, and some hemostasis tests in pre-eclampsia. Boneu B, et al. **Eur J Obstet Gynaecol Reprod Biol** 1980 Oct;11(2):85–94
Plasma urate measurements and fetal outcome in preeclampsia. Schuster E, et al. **Gynecol Obstet Invest** 1981; 12(3):162–7
Prostacyclin activity in amniotic fluid in pre-eclampsia [letter] Bodzenta A, et al. **Lancet** 1980 Sep 20;2(8195 pt 1):650
Maternal vascular prostacyclin activity in pre-eclampsia [letter] Bussolino F, et al. **Lancet** 1980 Sep 27;2(8196):702
Reduced prostacyclin production in pre-eclampsia [letter] Downing I, et al. **Lancet** 1980 Dec 20–27;2(8208–8209):1374

COMPLICATIONS

Nephrotic syndrome due to preeclamptic nephropathy associated with a transitional mole with coexistence fetus. Akhtar M, et al. **Am J Clin Pathol** 1981 Jul;76(1):109–12
Gastrointestinal hemorrhage in puerperium of pre-eclamptic patients who received glucocorticoid therapy. Semchyshyn S. **Am J Obstet Gynecol** 1981 Jan 15;139(2):217–8
Acute ischemic optic neuropathy in severe preeclampsia. Beck RW, et al. **Am J Ophthalmol** 1980 Sep;90(3):342–6
Laryngeal oedema and pre-eclampsia. Seager SJ, et al. **Anaesthesia** 1980 Apr;35(4):360–2
Remission of pregnancy hypoplastic anaemia and 'malignant' pre-eclampsia after delivery: a case report and discussion. Crisp AJ. **Br J Clin Pract** 1980 Oct;34(10):304–5
Renal disease diagnosed by renal biopsy. Prognostic evaluation. Beller FK, et al. **Contrib Nephrol** 1981;25:61–70
Cortical blindness in preeclampsia. Grimes DA, et al. **Int J Gynaecol Obstet** 1980 May–Jun;17(6):601–3
Thrombocytopenia complicating preeclampsia: data to support a new model. Bern MM, et al. **Obstet Gynecol** 1981 Jun;57(6 Suppl):28S–33S
Severe antithrombin III deficiency in a patient with pre-eclampsia. Observations on the effect of human AT III concentrate transfusion. Büller HR, et al. **Scand J Haematol** 1980 Jul;25(1):81–6
[A case of microangiopathic hemolytic anemia associated with pre-eclampsia (author's transl)] Ida T, et al. **Rinsho Ketsueki** 1980 Aug;21(8):1178–84 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Incorrect diagnosis of placental insufficiency in a patient with pre-eclampsia. Axelsson O, et al. **Acta Obstet Gynecol Scand** 1980;59(3):281–2
The remote prognostic significance of the level of blood pressure in pregnancy. Chesley LC. **Clin Exp Hypertens** 1980;2(5):777–801 (40 ref.)
The relevance of hypertension and oedema in pregnancy. MacGillivray I, et al. **Clin Exp Hypertens** 1980;2(5):897–914
Ultrasonic features of preeclampsia. Carroll B. **JCU** 1980 Dec;8(6):483–8
Screening for SGA by the roll-over test. Verma UL, et al. **Obstet Gynecol** 1980 Nov;56(5):591–4

DRUG THERAPY

The treated of pre-eclampsia. Symonds EM. **Acta Obstet Gynecol Scand [Suppl]** 1980;Suppl 93:9–16
Plasma volume expansion in the treatment of pre-eclampsia. Sehgal NN, et al. **Am J Obstet Gynecol** 1980 Sep 15; 138(2):165–8
Cardiopulmonary arrest due to acute maternal hypermagnesaemia [letter] McCubbin JM, et al. **Lancet** 1981 May 9;1(8228):1058
Reassessment of intravenous MgSO4 therapy in preeclampsia–eclampsia. Sibai BM, et al. **Obstet Gynecol** 1981 Feb;57(2):199–202

ETIOLOGY

Pre-eclampsia and changed paternity. Feeney JG, et al. **Eur J Obstet Gynaecol Reprod Biol** 1980 Sep;11(1):35–8
Does anencephaly cause pre-eclampsia? Clinch J. **Ir Med J** 1980 Sep;73(9):350
Aetiology of pre-eclampsia: a review. Symonds EM. **J R Soc Med** 1980 Dec;73(12):871–5 (18 ref.)
[Pre-eclampsia in pregnant women with myxedema] Forsbach G, et al. **Ginecol Obstet Mex** 1980 May; 47(283):339–45 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

The indicence of severe pre-eclampsia amongst mothers and mothers-in-law of pre-eclamptics and controls. Sutherland A, et al. **Br J Obstet Gynaecol** 1981 Aug;88(8):785–91
Inheriting pre-eclampsia [editorial] **Br Med J** 1980 Jun 28; 280(6231):1557–8
Pre-eclampsia and eclampsia and change of paternity [letter] Scott JS, et al. **Br Med J** 1980 Aug 23;281(6239):565–6

IMMUNOLOGY

Immunological factors in the pathogenesis of preeclampsia. Redman CW. **Contrib Nephrol** 1981;25:120–7
Pre-eclampsia/eclampsia: a fatal father factor [letter] Astin M, et al. **Lancet** 1981 Sep 5;2(8245):533
[Parental histocompatibility: relationship with the severity of the vasculorenal syndrome of pregnancy (letter)] Simon P, et al. **Nouv Presse Med** 1980 Oct 4;9(36):2656–7 **(Fre)**

METABOLISM

The placenta in intrauterine fetal deprivation. I. The biochemical profile of placentas from cases of intrauterine growth-retarded gestation of toxemic and non-toxemic origin. Diamant YZ, et al. **Acta Obstet Gynecol Scand** 1981; 60(2):141–7
The relationship between calcium intake and edema-, proteinuria-, and hypertension-getosis: an hypothesis. Belizán JM, et al. **Am J Clin Nutr** 1980 Oct;33(10):2202–10 (62 ref.)
Prostaglandin E and F concentrations in placentae of normal, hypertensive and pre-eclamptic patients. Hillier K, et al. **Br J Obstet Gynaecol** 1981 Mar;88(3):274–7
Placental protein 5 (PP5) in severe pre-eclampsia and eclampsia. Lee JN, et al. **Int J Gynaecol Obstet** 1981 Mar; 19(1):65–7
Prostacyclin and pre-eclampsia [letter] Carreras LO, et al. **Lancet** 1981 Feb 21;1(8217):442
Prostacyclin and pre-eclampsia [letter] Lewis PJ, et al. **Lancet** 1981 Mar 7;1(8219):559
Prostaglandins and pre-eclampsia [letter] Redman CW, et al. **Lancet** 1981 Mar 28;1(8222):731

PATHOLOGY

Chronic intravascular coagulation in normal pregnancy and preeclampsia. McKay DG. **Contrib Nephrol** 1981;25:108–19
Renal morphology in preeclampsia. Sheehan HL. **Kidney Int** 1980 Aug;18(2):241–52
An ultrastructural and ultrahistochemical study of the human placenta in maternal pre-eclampsia. Jones CJ, et al. **Placenta** 1980 Jan–Mar;1(1):61–76

PHYSIOPATHOLOGY

Hemodynamics in patients with severe toxemia during labor and delivery. Rafferty TD, et al. **Am J Obstet Gynecol** 1980 Oct 1;138(3):263–70
Epidural analgesia and cardiac output in severe pre-eclamptics. Graham C, et al. **Anaesthesia** 1980 Jul 7; 35(7):709–12
Pathophysiology of preeclampsia. Lindheimer MD, et al. **Annu Rev Med** 1981;32:273–89 (105 ref.)
Systemic and pulmonary blood pressure during caesarean section in parturients with gestational hypertension. Hodgkinson R, et al. **Can Anaesth Soc J** 1980 Jul; 27(4):389–94
Haemodynamic monitoring in the management of severe pre-eclampsia and eclampsia. Rolbin SH, et al. **Can Anaesth Soc J** 1981 Jul;28(4):363–9
Coagulation activation and local vascular changes in preeclampsia. Bonnar J, et al. **Contrib Nephrol** 1981; 25:98–107
Diurnal and short-term variation of blood pressure: comparison of preeclamptic, chronic hypertensive, and normotensive patients. Sawyer MM, et al. **Obstet Gynecol** 1981 Sep;58(3):291–6
Preeclampsia and eclampsia [clinical conference] **West J Med** 1981 Jul;135(1):34–43

THERAPY

Management of preeclampsia–eclampsia. McCubbin JH, et al. **Am Fam Physician** 1981 Sep;24(3):111–5
Treatment of severe pre-eclampsia by plasma exchange. d'Apice AJ, et al. **Aust NZ J Obstet Gynaecol** 1980 Nov; 20(4):231–5
Management of preeclampsia and eclampsia. Pritchard JA. **Kidney Int** 1980 Aug;18(2):259–66 (21 ref.)
[Intensive care of severe preeclampsia–eclampsia. A report on 22 cases (author's transl)] Larsen R, et al. **Anaesthesist** 1980 May;29(5):282–8 (Eng. Abstr.) **(Ger)**

PREENING see under **GROOMING**

PREGNADIENEDIOLS

PHARMACODYNAMICS

[Contraceptive activity and mechanism of action of combinations of a new 17 alpha-acetoxyprogesterone derivative and ethinyl estradiol] Nikitina GV, et al. **Farmakol Toksikol** 1980 Mar–Apr;43(2):196–9 (5 ref.) (Eng. Abstr.) **(Rus)**

PREGNADIENES

ADMINISTRATION & DOSAGE

Dosage aspects of danazol therapy in endometriosis: short-term and long-term effectiveness. Biberoglu KO, et al. **Am J Obstet Gynecol** 1981 Mar 15;139(6):645-54

Estrogenic and antiestrogenic effects of danazol administration in studies of estradiol receptor binding. Musich JR, et al. **Am J Obstet Gynecol** 1981 May 1; 140(1):62-9

Long-term therapy of hereditary angioedema with danazol. Hosea SW, et al. **Ann Intern Med** 1980 Dec;93(6):809-12

treatment of hereditary angio-oedema by low dose attenuated androgens: disassociation of clinical response from levels of C1 esterase inhibitor and C4. Warin AP, et al. **Br J Dermatol** 1980 Oct;103(4):405-9

Management of pelvic endometriosis with low-dose danazol. Moore EE, et al. **Fertil Steril** 1981 Jul;36(1):15-9

[High-dosage gestagen long-term therapy in corpus carcinoma; influence on survival time (author's transl)] von Fournier D, et al. **Geburtshilfe Fraunheilkd** 1981 Apr; 41(4):266-9 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Hypertension: a complication of danazol therapy. Bretza JA, et al. **Arch Intern Med** 1980 Oct;140(10):1379-80

Danazol and uterine leiomyomas [letter] Yuen BH. **Can Med Assoc J** 1981 Apr 15;124(8):963-4

Danazol may cause female pseudohermaphroditism. Duck SC, et al. **Fertil Steril** 1981 Feb;35(2):230-1

ANALYSIS

Gas-liquid chromatographic determination of melengestrol acetate in cattle feed supplements: collaborative study. Davis RA, et al. **J Assoc Off Anal Chem** 1980 May; 63(3):425-43

High pressure liquid chromatographic determination of melengestrol acetate in dry feed supplements. Roybal JE. **J Assoc Off Anal Chem** 1981 May;64(3):661-4

[Determination of canrenone in biological fluids (author's transl)] Stüber W, et al. **Arch Pharm (Weinheim)** 1981 Feb; 314(2):148-56 (Eng. Abstr.) **(Ger)**

METABOLISM

Fate of radioactive melengestrol acetate in the bovine. Krzeminski LF, et al. **J Agric Food Chem** 1981 Mar-Apr; 29(2):387-91

PHARMACODYNAMICS

Effect of medrogestone on conversions of pregnenolone and 17 alpha-hydroxypregnenolone in rat testis. Jagarinec N, et al. **Arch Androl** 1981 Aug;7(1):35-7

Inhibition of testosterone metabolism by medrogestone in rat ventral prostate in vivo and in vitro. Jagarinec N, et al. **Arch Androl** 1981 Aug;7(1):39-44

The persistence and effects of rimexolone in arthritic and normal rabbit knee joints. Nieuwenhuyse H, et al. **Arzneimittelforsch** 1980;30(10):1646-9

Review: The mechanism of action of danazol, a novel steroid derivative. Jenkin G. **Aust NZ J Obstet Gynaecol** 1980 May;20(2):113-8 (56 ref.)

Effect of danazol on serum gonadotrophins and steroid hormone concentrations in women with menorrhagia. Chimbira TH, et al. **Br J Obstet Gynaecol** 1980 Apr; 87(4):330-6

The selective antimuscarinic action of stercuronium. Li CK, et al. **Br J Pharmacol** 1980 Oct;70(2):313-21

Positive interference by danazol in a testosterone radioimmunoassay kit procedure. Sharp AM, et al. **Clin Chem** 1981 Apr;27(4):603-4

Effects of danazol and lynestrenol on serum lipoproteins in endometriosis. Mälkönen M, et al. **Clin Pharmacol Ther** 1980 Nov;28(5):602-4

In vitro effect of danazol on luteinizing hormone-releasing hormone-stimulated luteinizing hormone release in rat anterior pituitary cell cultures in vitro. Menon M, et al. **Endocrinology** 1981 Jul;109(1):191-6

Male contraception properties of a new synthetic steroid derivative (danazol) in Rattus rattus rufescens. Dixit VP, et al. **Endokrinologie** 1981;77(1):30-8

Effects of repeated administration of potassium canrenoate (SC-14266) on serum gonadotrophin, prolactin, testosterone and progesterone in male rats. Muraki T, et al. **Experientia** 1980 Jun 15;36(6):668-9

Danazol suppression of luteinizing hormone secretion: a role for danazol-androgen receptor interaction within the brain-pituitary complex. Krey LC, et al. **Fertil Steril** 1981 Apr;35(4):467-72

Effects of Colprone on in vitro release of androgens from the reproductive organs of the male rat. Lau IF, et al. **Int J Androl** 1981 APr;4(2):291-6

Danazol, a new steroidal inducer of delta-aminolevulinic acid synthetase. Hughes MJ, et al. **J Clin Endocrinol Metab** 1981 Mar;52(3):549-52

Transport of steroid hormones: interaction of 70 drugs with testosterone-binding globulin and corticosteroid-binding globulin in human plasma. Pugeat MM, et al. **J Clin Endocrinol Metab** 1981 Jul;53(1):69-75

Canrenone as a partial agonist at the digitalis receptor site of sodium-potassium-activated adenosine triphosphatase. Finotti P, et al. **J Pharmacol Exp Ther** 1981 Jun; 217(3):784-90

A histochemical study of the effect of danazol and oestradiol-17 beta on steroidogenic activity in testis and epididymis of the gerbil, Tatera indica. Chandrakala MV, et al. **J Reprod Fertil** 1981 Jan;61(1):217-20

Competitive inhibition by danazol of oestradiol binding to rabbit and ovine uterine oestradiol receptor. Cook DB, et al. **J Steroid Biochem** 1980 Nov;13(11):1325-9

Danazol inhibition of steroidogenesis in the human corpus luteum. Barbieri RL, et al. **Obstet Gynecol** 1981 Jun; 57(6):722-4

[Antigonadotropic effect of danazol (author's transl)] Horský J. **Cesk Gynekol** 1981 May;46(4):282-5 (Eng. Abstr.) **(Cze)**

[Membrane activity of canrenone in the normotensive subject: evaluation and significance] Ollivier JP, et al. **Sem Hop Paris** 1981 Mar 8-15;57(9-10):495-8 **(Fre)**

THERAPEUTIC USE

Treatment of pulmonary endometriosis with danazol. Rönnberg L, et al. **Acta Obstet Gynecol Scand** 1981; 60(1):77-8

Effect of danazol on dysfunctional C 1 inhibitor in a patient with angioedema. Kövary PM, et al. **Arch Dermatol Res** 1981;270(1):119-22

Successful use of danazol for hereditary angio-oedema. Rajagopal C, et al. **Arch Dis Child** 1981 Mar;56(3):229-30

The effect of danazol on the pituitary function, thyroid function, and mastodynia. Peters F, et al. **Arch Gynecol** 1980;230(1):3-8

Hereditary angioneurotic edema and its correction with androgen therapy. Rosen FS, et al. **Birth Defects** 1980; 16(1):499-507

Reduction of menstrual blood loss by danazol in unexplained menorrhagia: lack of effect of placebo. Chimbira TH, et al. **Br J Obstet Gynaecol** 1980 Dec;87(12):1152-8

Treatment of endometriosis: a study of medical management. Noble AD, et al. **Br J Obstet Gynaecol** 1980 Aug; 87(8):726-8

Management of hereditary angio-oedema with low-dose danazol. MacFarlane JT, et al. **Br Med J [Clin Res]** 1981 Apr 18;282(6272):1275

Successful treatment of D-penicillamine-induced breast gigantism with danazol [letter] Rooney PJ, et al. **Br Med J [Clin Res]** 1981 May 16;282(6276):1627-8

Successful treatment of D-penicillamine-induced breast gigantism with danazol. Taylor PJ, et al. **Br Med J [Clin Res]** 1981 Jan 31;282(6261):362-3

Danazol treatment of advanced breast cancer. Coombes RC, et al. **Cancer Treat Rep** 1980 Oct-Nov;64(10-11):1073-6

Laparoscopic diagnosis and pseudomenopause treatment of endometriosis with danazol. Cohen MR. **Clin Obstet Gynecol** 1980 Sep;23(3):901-15

Improvement of intractable acne in a man following testosterone suppression using danazol. Check JH. **Cutis** 1980 Oct;26(4):393-4

Combined laparoscopic surgery and danazol therapy for pelvic endometriosis. Daniell JF, et al. **Fertil Steril** 1981 May;35(5):521-5

The treatment of benign breast disease with danazol. Greenblatt RB, et al. **Fertil Steril** 1980 Sep;34(3):242-5

Ultrastructural changes in endometriotic tissue during danazol treatment. Schweppe KW, et al. **Fertil Steril** 1981 Jul;36(1):20-6

Cholesterol, high density lipoprotein and danazol. Allen JK, et al. **J Clin Endocrinol Metab** 1981 Jul;53(1):149-52

Treatment of severe cyclical mastalgia. Montgomery AC, et al. **J R Soc Med** 1979 Jul;72(7):489-91

The use of danazol for ureteral obstruction caused by endometriosis. Gardner B, et al. **J Urol** 1981 Jan; 125(1):117-8

Effect of danazol on lupus-erythematosus-like disease in hereditary angioneurotic oedema [letter] Donaldson VH, et al. **Lancet** 1980 Nov 22;2(8204):1145

Reversal of lupus-erythematosus-like disease with danazol [letter] Masse R, et al. **Lancet** 1980 Sep 20;2(8195 pt 1):651

Treatment of hereditary angioneurotic oedema with Danazol. van Royen EA, et al. **Neth J Med** 1980;23(5):185-90

Successful treatment of catamenial hemoptysis with danazol. Rosenberg SM, et al. **Obstet Gynecol** 1981 Jan;57(1):130-2

A comparison of oestrogen-progestogen with clonidine in the climacteric syndrome. Sonnendecker EW, et al. **S Afr Med J** 1980 Nov 8;58(19):753-6

Danazol in the treatment of endometriosis externa. van Zyl JA, et al. **S Afr Med J** 1980 Oct 11;58(15):591-8

Treatment of prostatic carcinoma by gonadotropin inhibition with danazol. A preliminary report. Freedman DL, et al. **Scan J Urol Nephrol [Suppl]** 1980;55:173-5

[Danazol (Danocrine) in hereditary angioneurotic edema] Zachariae H. **Ugeskr Laeger** 1980 Oct;142(44):2901-2 (Eng. Abstr.) **(Dan)**

[Danazol in the treatment of severe endometriosis] Rönnberg L, et al. **Duodecim** 1980;96(12):839-45 (Eng. Abstr.) **(Fin)**

[Treatment of central precocious puberty with danazol] Colle M, et al. **Pediatrie** 1981 Mar;36(2):103-10 (Eng. Abstr.) **(Fre)**

[Treatment of endometriosis, Clinical trial with danazol] Senft HH, et al. **Fortschr Med** 1981 Apr 2;99(13):suppl 475-8 (Eng. Abstr.) **(Ger)**

[Steroid treatment of adolescent gynecomastia with danazol (author's transl)] Swoboda W, et al. **Wien Med Wochenschr** 1981 Mar 15;131(5):127-32 (Eng. Abstr.) **(Ger)**

[The hormonal effect of danazol in women with regular menstrual cycles and in those with ovarian deficiency] Bertaglia MG, et al. **Ann Ostet Ginecol Med Perinat** 1980 May-Jun;101(3):173-80 (Eng. Abstr.) **(Ita)**

[Effect of potassium canrenoate on arterial pressure, plasma renin activity and urinary aldosterone in essential hypertension] Opocher G, et al. **Boll Soc Ital Cardiol** 1978; 23(10):1757-66 **(Ita)**

[Study of the inotropic effect of potassium canrenoate by determining systolic time intervals] Vitolo E, et al. **Boll Soc Ital Cardiol** 1979;24(7):775-7 **(Ita)**

[Evaluation of K-canrenoate in post-surgical treatment of open heart paediatric surgery (author's transl)] Capuani A, et al. **G Ital Cardiol** 1980;10(9):1148-55 (Eng. Abstr.) **(Ita)**

[Study of the inotropic effect of potassium-canrenoate by systolic time intervals technique (author's transl)] Vitolo E, et al. **G Ital Cardiol** 1980;10(10):1360-5 (Eng. Abstr.) **(Ita)**

[Use of potassium canrenoate in cardiosurgery] Tufano R, et al. **Minerva Anestesiol** 1981 Apr;47(4):149-54 (Eng. Abstr.) **(Ita)**

[Treatment of pelvic endometriosis with danazol] Garcea N, et al. **Minerva Ginecol** 1980 Nov;32(11):1049-56 (Eng. Abstr.) **(Ita)**

PREGNADIENETRIOLS

THERAPEUTIC USE

Comparison of the effect of phenylbutazone, desonide and cyclophosphamide on four types of experimental pleurisy. Tarayre JP, et al. **J Pharm Pharmacol** 1980 Jun; 32(6):408-12

PREGNANCY

see related
PRENATAL CARE
PSEUDOPREGNANCY

Cytologic findings in postpartum and postabortal smears. Kobayashi TK, et al. **Acta Cytol (Baltimore)** 1980 Jul-Aug; 24(4):328-34

In vitro autohaemolysis during pregnancy. Ho-Yen DO, et al. **Acta Haematol (Basel)** 1980;63(6):301-4

Erythrocyte vitamin B12 activity in lactovegetarian pregnant Indian women. Jathar VS, et al. **Acta Haematol (Basel)** 1981;65(3):153-6

Missed abortions and some organochlorine compounds: organochlorine insecticides (OCI) and polychlorinated biphenyls (PCBs). Bercovici B, et al. **Acta Med Leg Soc (Liege)** 1980;30(3):177-85

Early prediction of individual serum total estriol curves in pregnancy. Bagger PV, et al. **Acta Obstet Gynecol Scand** 1981;60(2):187-90

The acute effect of metoclopramide on plasma prolactin during pregnancy. Brandes JM, et al. **Acta Obstet Gynecol Scand** 1981;60(3):243-5

Plasma and red blood cell folate during normal pregnancies. Ek J, et al. **Acta Obstet Gynecol Scand** 1981;60(3):247-51

Free calcium ion concentration in pregnancy. A longitudinal study on 22 normal pregnant women. Fogh-Andersen N, et al. **Acta Obstet Gynecol Scand** 1981;60(3):309-12

Jejuno-ileal bypass surgery in obesity. Gynecological and obstetrical aspects. Hey H, et al. **Acta Obstet Gynecol Scand** 1981;60(2):135-40

Smoking in pregnancy. Effects on the birth weight and on thiocyanate concentration in mother and baby. Jensen OH, et al. **Acta Obstet Gynecol Scand** 1981;60(2):177-81

Maternal alcohol and tobacco use and nausea and vomiting during pregnancy: relation to infant birthweight. Little RE. **Acta Obstet Gynecol Scand** 1980;59(6):495-7

A protocol design for studying alterations of pharmacokinetic parameters due to pregnancy. Philipson A. **Acta Obstet Gynecol Scand** 1980;59(4):311-3

Radioimmunoassay of serum bile acids in normal pregnancy and in recurrent cholestasis of pregnancy. Samuelson K, et al. **Acta Obstet Gynecol Scand** 1980;59(5):417-20

Studies in normal pregnancy. III. Fatty acid composition of serum phosphoglycerides and cholesterol esters. Skryten A, et al. **Acta Obstet Gynecol Scand** 1980;59(4):305-9

Serum ferritin as a measure of iron stores during and after normal pregnancy with and without iron supplements. Puolakka J, et al. **Acta Obstet Gynecol Scand [Suppl]** 1980; Suppl 95:43-51

Serum ferritin as a measure of iron stores during pregnancy. Puolakka J. **Acta Obstet Gynecol Scand [Suppl]** 1980;Suppl 95:1-31 (91 ref.)

Endometrial cholinergic secretory responses during estrous cycle, pregnancy and after estrogen and/or progesterone treatment of the guinea-pig. Hammarström M. **Acta Physiol Scand** 1980 Nov;110(3):233-40

Influence of maternal distress during pregnancy on postnatal development. Blomberg S. **Acta Psychiatr Scand** 1980 Nov; 62(5):405-17

Analysis of serum-mediated immunosuppression in normal pregnancy, abortion and contraception. Masset B, et al. **Allergol Immunopathol (Madr)** 1980 Sep-Oct;8(5):569-78

Workshop on nutrition of the child: maternal nutritional

status and fetal outcome. Proceedings of a conference sponsored by the United States Department of Agriculture and the National Institutes of Child Health and Human Development. **Am J Clin Nutr** 1981 Apr;34(Suppl 4):653–817

Riboflavin status in Gambian pregnant and lactating women and its implications for Recommended Dietary Allowances. Bates CJ, et al. **Am J Clin Nutr** 1981 May;34(5):928–35

Maternal nutrition and fetal growth. Falkner F. **Am J Clin Nutr** 1981 Apr;34(Suppl 4):769–74

Measurement of variables: data quality control. Johnstone FD, et al. **Am J Clin Nutr** 1981 Apr;34(Suppl 4):804–6

Assessment of nutritional status in pregnancy—I. King JC. **Am J Clin Nutr** 1981 Apr;34(Suppl 4):685–90

Effect of vegetarianism on the zinc status of pregnant women. King JC, et al. **Am J Clin Nutr** 1981 Jun;34(6):1049–55

Nutrient requirements during pregnancy—I. Lind T. **Am J Clin Nutr** 1981 Apr;34(Suppl 4):669–78

Influence of smoking, weight gain, and pregravid weight for height on intrauterine growth. Luke B, et al. **Am J Clin Nutr** 1981 Jul;34(7):1410–7

Maternal nutrition and fetal outcome. Metcoff J, et al. **Am J Clin Nutr** 1981 Apr;34(Suppl 4):708–21

Nutrient requirements during pregnancy—II. Munro HN. **Am J Clin Nutr** 1981 Apr;34(Suppl 4):679–84

Nutritional/nonnutritional interactions that affect the outcome of pregnancy. Naeye RL. **Am J Clin Nutr** 1981 Apr;34(Suppl 4):727–31

Nonnutritional factors affecting fetal growth. Newcombe RG. **Am J Clin Nutr** 1981 Apr;34(Suppl 4):732–7

Assessment of nutritional status of mother, fetus, and newborn. Pitkin RM. **Am J Clin Nutr** 1981 Apr;34(Suppl 4):658–68

Influence of maternal nutritional factors affecting birthweight. Raman L. **Am J Clin Nutr** 1981 Apr;34(Suppl 4):775–83

Methods for determining nutrient requirements in pregnancy—II. Robertson E, et al. **Am J Clin Nutr** 1981 Apr;34(Suppl 4):705–7

Methods for determining nutrient requirement in pregnancy—I. Sandstead HH. **Am J Clin Nutr** 1981 Apr; 34(Suppl 4):697–704

The effect of parity on maternal hair chromium concentration and the changes during pregnancy. Saner G. **Am J Clin Nutr** 1981 May;34(5):853–5

Prenatal nutrition, birthweight, and psychological development: an overview of experiments, quasi-experiments, and natural experiments in the past decade. Susser M. **Am J Clin Nutr** 1981 Apr;34(Suppl 4):784–803

Maternal variables affecting fetal growth. van den Berg BJ. **Am J Clin Nutr** 1981 Apr;34(Suppl 4):722–6

Effect of maternal cigarette smoking on Apgar scores. Garn SM, et al. **Am J Dis Child** 1981 Jun;135(6):503–6

Smoking mothers affect little lives [editorial] Merritt TA. **Am J Dis Child** 1981 Jun;135(6):501–2

The relationship between birth weight, smoking during pregnancy and maternal weight gain. Rantakallo P, et al. **Am J Epidemiol** 1981 May;113(5):590–5

Uterine and ovarian artery blood flow in the rhesus monkey near term. Abitbol MM, et al. **Am J Obstet Gynecol** 1980 Oct 15;138(4):414–21

Tularemia immunization in early pregnancy. Albrecht RC, et al. **Am J Obstet Gynecol** 1980 Dec 15;138(8):1226–7

I. Maternal cardiovascular and metabolic responses in normal pregnancy. Artal R, et al. **Am J Obstet Gynecol** 1981 May 15;140(2):123–7

Plasma carnitine in pregnancy. Bargen-Lockner C, et al. **Am J Obstet Gynecol** 1981 Jun 15;140(4):412–4

Interrelationships of human chorionic gonadotropin, human placental lactogen, and pregnancy-specific beta 1-glycoprotein throughout normal human gestation. Braunstein GD, et al. **Am J Obstet Gynecol** 1980 Dec 15; 138(8):1205–13

Maternal plasma adrenocorticotropin and cortisol relationships throughout human pregnancy. Carr BR, et al. **Am J Obstet Gynecol** 1981 Feb 15;139(4):416–22

Maternal attitude and outcome of pregnancy [letter] Centerwall BS. **Am J Obstet Gynecol** 1981 Mar 1; 139(5):610–1

A/NJ/8/76 influenza vaccination program: effects on maternal health and pregnancy outcome. Deinard AS, et al. **Am J Obstet Gynecol** 1981 Jun 1;140(3):240–5

An increase in catecholamines and metabolites in the amniotic fluid compartment from middle to late gestation. Divers WA Jr, et al. **Am J Obstet Gynecol** 1981 Feb 15; 139(4):483–6

Minor (glycosylated) hemoglobins in cord blood of infants of normal and diabetic mothers. Fadel HE, et al. **Am J Obstet Gynecol** 1981 Feb 15;139(4):397–402

Pregnancy-associated plasma protein A: circulating levels during normal pregnancy. Folkersen J, et al. **Am J Obstet Gynecol** 1981 Apr 15;139(8):910–4

Surgery during pregnancy [letter] Fribourg S. **Am J Obstet Gynecol** 1981 Jun 15;140(4):482–3

A longitudinal analysis of lymphocyte proliferative responses to mitogens and antigens during human pregnancy. Gehrz RC, et al. **Am J Obstet Gynecol** 1981 Jul 15;140(6):665–70

Fetal umbilical venous flow measured in utero by pulsed Doppler and B-mode ultrasound. I. Normal pregnancies. Gill RW, et al. **Am J Obstet Gynecol** 1981 Mar 15; 139(6):720–5

Estimation of a model of cumulative pregnancy following infertility therapy. Guzick DS, et al. **Am J Obstet Gynecol** 1981 Jul 1;140(5):573–8

Outcome of pregnancy subsequent to induced abortion [letter] Iffy L. **Am J Obstet Gynecol** 1980 Nov 1; 138(5):587–8

Decrease of vascular angiotensin sensitivity by L-dopa during human pregnancy. Kaulhausen H, et al. **Am J Obstet Gynecol** 1981 Jul 15;140(6):671–5

Maternal nicotine administration and fetal brain stem damage: a rat model with implications for sudden infant death syndrome. Krous HF, et al. **Am J Obstet Gynecol** 1981 Aug 1;140(7):743–6

Maternal psychological and physiologic correlates of fetal-newborn health status. Lederman E, et al. **Am J Obstet Gynecol** 1981 Apr 15;139(8):956–8

Scuba diving during pregnancy: a brief review. Newhall JF Jr. **Am J Obstet Gynecol** 1981 Aug 15;140(8):893–4

Desoxycorticosterone in normal pregnancy. III. Evidence of a fetal source of desoxycorticosterone. Nolten WE, et al. **Am J Obstet Gynecol** 1981 Feb 15;139(4):477–82

Elevated free cortisol index in pregnancy: possible regulatory mechanisms. Nolten WE, et al. **Am J Obstet Gynecol** 1981 Feb 15;139(4):492–8

Hormone production during pregnancy in the primigravid patient. II. Plasma levels of deoxycorticosterone throughout pregnancy of normal women and women who developed pregnancy-induced hypertension. Parker CR Jr, et al. **Am J Obstet Gynecol** 1980 Nov 15;138(6):626–31

Carbohydrate metabolism in pregnancy. XVII. Diurnal profiles of plasma glucose, insulin, free fatty acids, triglycerides, cholesterol, and individual amino acids in late normal pregnancy. Phelps RL, et al. **Am J Obstet Gynecol** 1981 Aug 1;140(7):730–6

Pregnancy outcome in women exposed to diethylstilbestrol in utero. Sandberg EC, et al. **Am J Obstet Gynecol** 1981 May 15;140(2):194–205

The Pearl Pregnancy Index reexamined: still useful for clinical trials of contraceptives. Shelton JD, et al. **Am J Obstet Gynecol** 1981 Mar 1;139(5):592–6

Postural blood pressure differences in pregnancy. A prospective study of blood pressure differences between supine and left lateral position as measured by ultrasound. Van Dongen PW, et al. **Am J Obstet Gynecol** 1980 Sep 1;138(1):1–5

Effect of urinary bladder fullness on fundal height measurements. Worthen N, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 1):759–62

Prolactin and the renin-aldosterone axis in human pregnancy. Yuen BH, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 1):738–40

Adrenergic innervation of uterine vasculature in human term pregnancy. Zuspan FP, et al. **Am J Obstet Gynecol** 1981 Mar 15;139(6):678–80

Effects of ovarian steroids and pregnancy on adrenergic nerves of uterus and oviduct. Marshall JM. **Am J Physiol** 1981 May;240(5):C165–74 (83 ref.)

Perinatal parathyroid hormone, vitamin D metabolites, and calcitonin in man. Wieland P, et al. **Am J Physiol** 1980 Nov;239(5):E385–90

Pregnancy in the analyst. McWilliams N. **Am J Psychoanal** 1980 Winter;40(4):367–9

Public awareness and knowledge about the risks of drinking during pregnancy in Multnomah County, Oregon. Little RE, et al. **Am J Public Health** 1981 Mar;71(3):312–4

Ethnic differences in hemoglobin distribution of Asian and European Jewish women in Israel, both pregnant and nonpregnant. Palgi A. **Am J Public Health** 1981 Aug; 71(8):847–51

Pregnancy and the lung. Weinberger SE, et al. **Am Rev Respir Dis** 1980 Mar;121(3):559–81 (212 ref.)

Plasma cholinesterase changes during pregnancy. Their interpretation as a cause of suxamethonium-induced apnoea. Evans RT, et al. **Anaesthesia** 1980 Jul 7;35(7):651–4

Oestrogen determinations in urine from pregnant women: a review of six years' quality assessment in the United Kingdom. Oakey RE. **Ann Clin Biochem** 1980 Nov; 17(6):311–4

Prenatal sex hormones and the developing brain: effects on psychosexual differentiation and cognitive function. Ehrhardt AA, et al. **Annu Rev Med** 1979;30:417–30 (55 ref.)

Immunobiology of the maternal-fetal relationship. Rocklin RE, et al. **Annu Rev Med** 1979;30:375–404 (218 ref.)

Regulation of ovarian LH/HCG receptors in pregnant rats. Müller U, et al. **Arch Gynecol** 1980;229(4):259–64

Research on pharmacokinetics during pregnancy. Nöschel H, et al. **Arch Toxicol [Suppl]** 1980;(4):380–4

Wrongful life: an obstetrical dilemma. Part II. Ziehm DJ. **Ariz Med** 1979 Aug;36(8):596

The rationale for the administration of a NaF tablet supplement during pregnancy and postnatally in a private practice setting. Glenn FB. **ASDC J Dent Child** 1981 Mar-Apr;48(2):118–22

Some thoughts on pregnancy. Watson RM, et al. **Aust Fam Physician** 1980 Aug;9(8):561–3

Glycosylated haemoglobin in pregnancy. Davies DM, et al. **Aust NZ J Obstet Gynaecol** 1980 Aug;20(3):147–50

Seasonal variation in plasma cortisol concentration during pregnancy and the puerperium. Baker JM, et al. **Biochem Soc Trans** 1980 Oct;8(5):587–8

The hormonal control of connective-tissue changes in the uterine cervix in pregnancy and at parturition. Ellwood DA. **Biochem Soc Trans** 1980 Oct;8(5):662–7

Prostaglandins at parturition and in the neonatal infant. Mitchell MD. **Biochem Soc Trans** 1980 Oct;8(5):659–62

High and low affinity binding of folate to proteins in serum of pregnancy women. Holm J, et al. **Biochim Biophys Acta** 1980 May 22;629(3):539–45

P50 values of non smoker and smoker pregnant women. Denise P, et al. **Biomedicine [Express]** 1980 Apr;33(2):49–51

Diet in pregnancy: a randomized controlled trial of nutritional supplements. Rush D, et al. **Birth Defects** 1980; 16(3):i-xxvi, 1–197

Platelet aggregation index assay in the progress of physiological delivery. Preliminary account. de Siena M, et al. **Boll Soc Ital Biol Sper** 1980 Jul 30;56(14):1469–73

Creatine phosphokinase assay in the progress of delivery. Papa G, et al. **Boll Soc Ital Biol Sper** 1980 Jul 30; 56(14):1474–8

Gastric and lower oesophageal sphincter (LOS) pressures in early pregnancy. Brock-Utne JG, et al. **Br J Anaesth** 1981 Apr;53(4):381–4

The metabolism of methimazole in pregnancy [letter] Kampmann J, et al. **Br J Clin Pharmacol** 1980 Sep;10(3):314

Suicide in pregnancy. Lewis GJ, et al. **Br J Clin Pract** 1981 Jan;35(1):51, 53

Freud's penis-baby equation: exploratory tests of a controversial theory. Greenberg RP, et al. **Br J Med Psychol** 1980 Dec;53(4):333–42

Differential response of the need to be held. Harris R, et al. **Br J Med Psychol** 1980 Sep;53(3):243–8

Successful pregnancies in women treated by dialysis and kidney transplantation. Report from the Registration Committee of the European Dialysis and Transplant Association. **Br J Obstet Gynaecol** 1980 Oct;87(10):839–45

Birth weight before and after a spontaneous abortion. Alberman E, et al. **Br J Obstet Gynaecol** 1980 Apr; 87(4):275–80

The intraventricular conduction time of fetal heart in uncomplicated pregnancies. Brambati B, et al. **Br J Obstet Gynaecol** 1980 Nov;87(11):941–8

Urinary excretion of oestriol and plasma levels of unconjugated and total oestriol during late uncomplicated pregnancy. Carlström K, et al. **Br J Obstet Gynaecol** 1980 Jul;87(7):590–6

Diurnal changes in maternal plasma oestrone and oestradiol at 30 to 31, 34 to 35 and 38 to 39 weeks gestational age. Challis JR, et al. **Br J Obstet Gynaecol** 1980 Nov; 87(11):983–8

Serial changes in 24 hour creatinine clearance during normal menstrual cycles and the first trimester of pregnancy. Davison JM, et al. **Br J Obstet Gynaecol** 1981 Jan; 88(1):10–7

Plasma osmolality and urinary concentration and dilution during and after pregnancy: evidence that lateral recumbency inhibits maximal urinary concentrating ability. Davison JM, et al. **Br J Obstet Gynaecol** 1981 May; 88(5):472–9

Serial changes in renal haemodynamics during normal human pregnancy. Dunlop W. **Br J Obstet Gynaecol** 1981 Jan; 88(1):1–9

Establishing full-term human pregnancies using cleaving embryos grown in vitro. Edwards RG, et al. **Br J Obstet Gynaecol** 1980 Sep;87(9):737–56

Adrenal-seminal-pituitary protein levels in maternal serum and amniotic fluid. Etheridge RJ, et al. **Br J Obstet Gynaecol** 1980 Apr;87(4):305–7

Non-postural serial changes in renal function during the third trimester of normal human pregnancy. Ezimokhai M, et al. **Br J Obstet Gynaecol** 1981 May;88(5):465–71

Factor VIII complex in normal pregnancy, pre-eclampsia and fetal growth retardation. Fournie A, et al. **Br J Obstet Gynaecol** 1981 Mar;88(3):250–4

Doppler ultrasound and the pregnant uterus. Goodman JD. **Br J Obstet Gynaecol** 1980 Jul;87(7):600–602

Maternal plasma androgens in early human pregnancy. Harrison RF, et al. **Br J Obstet Gynaecol** 1980 Aug; 87(8):695–704

Maternal plasma beta-hCG in early human pregnancy. Harrison RF, et al. **Br J Obstet Gynaecol** 1980 Aug; 87(8):705–11

Maternal plasma unconjugated oestrogens in early human pregnancy. Harrison RF, et al. **Br J Obstet Gynaecol** 1980 Aug;87(8):686–94

Changes in serum bile acid concentrations during normal pregnancy, in patients with intrahepatic cholestasis of pregnancy and in pregnant women with itching. Heikkinen J, et al. **Br J Obstet Gynaecol** 1981 Mar;88(3):240–5

Plasma volume changes in pregnancy in Indian and European primigravidae. Hutchins CJ. **Br J Obstet Gynaecol** 1980 Jul;87(7):586–9

PZ-peptidase activity in the pregnant and non-pregnant human cervix. Hutchins CJ, et al. **Br J Obstet Gynaecol** 1981 Feb;88(2):150–2

The effect of malarial chemoprophylaxis on immunoglobulin levels of pregnant Nigerian women and the newborn. Ibeziako PA, et al. **Br J Obstet Gynaecol** 1980 Nov; 87(11):976–82

Pregnancy in women after repair of bladder exstrophy. Two case reports. Ikeme AC. **Br J Obstet Gynaecol** 1981 Mar; 88(3):327–8

Plasma tocopherol and lipid levels in pregnancy and oral contraceptive users. Jagadeesan V, et al.

Br J Obstet Gynaecol 1980 Oct;87(10):903–7

Placental protein 5 (PP5): development of a radioimmunoassay and measurement of circulating levels in normal pregnancy. Nisbet AD, et al. **Br J Obstet Gynaecol** 1981 May;88(5):484–91

The effect of chloroquine on strips of pregnant human myometrium. Okonkwo PO, et al. **Br J Obstet Gynaecol** 1980 Nov;87(11):1039–42

Very low maternal plasma alpha-fetoprotein concentration. An indication for follow-up. Stein SM, et al. **Br J Obstet Gynaecol** 1981 Jun;88(6):635–9

Clinical aspects of pregnancies established with cleaving embryos grown in vitro. Steptoe PC, et al. **Br J Obstet Gynaecol** 1980 Sep;87(9):757–68

Fetal blood velocity waveforms in normal pregnancy. Stuart B, et al. **Br J Obstet Gynaecol** 1980 Sep;87(9):780–5

The causes of low oestrogen excretion in pregnancy: assessment of the fetal contribution by steroid measurements post partum. Taylor NF, et al. **Br J Obstet Gynaecol** 1980 Dec;87(12):1087–94

Plasma noradrenaline in normal pregnancy and in hypertension of late pregnancy. Tunbridge RD, et al. **Br J Obstet Gynaecol** 1981 Feb;88(2):105–8

Origin of amniotic fluid cells in mid-trimester pregnancies. Tydén O, et al. **Br J Obstet Gynaecol** 1981 Mar; 88(3):278–86

Maternal serum alpha-fetoprotein and birth weight. Wald NJ, et al. **Br J Obstet Gynaecol** 1980 Oct;87(10):860–3

Immunofluorescent studies of the uteroplacental arteries in normal pregnancy. Weir PE. **Br J Obstet Gynaecol** 1981 Mar;88(3):301–7

Prevalence of cervical gonorrhoea in women with unwanted pregnancies. van der Lugt B, et al. **Br J Vener Dis** 1980 Jun;56(3):148–50

Outcome of pregnancy after cone biopsy [editorial] **Br Med J** 1980 Jun 14;280(6229):1393

Maternal vitamin D intake and mineral metabolism in mothers and their newborn infants. Cockburn F, et al. **Br Med J** 1980 Jul 5;281(6232):11–4

Prostacyclin in pregnancy. Lewis PJ, et al. **Br Med J** 1980 Jun 28;280(6231):1581–2

Thromboxane A2 in pregnancy and puerperium. Ylikorkala O, et al. **Br Med J** 1980 Dec 13;281(6255):1601–2

Further observations on serum free thyroxine concentrations during pregnancy. Boss AM, et al. **Br Med J [Clin Res]** 1981 Aug 29;283(6291):584

Calcium homoeostasis during pregnancy [letter] Cundy T, et al. **Br Med J [Clin Res]** 1981 Aug 22;283(6290):562–3

Platelet aggregation in pregnancy [letter] Dandona P, et al. **Br Med J [Clin Res]** 1981 Feb 7;282(6262):479

Smoking in pregnancy: associations with skinfold thickness, maternal weight gain, and fetal size at birth. D'Souza SW, et al. **Br Med J [Clin Res]** 1981 May 23;282(6277):1661–3

Plasmatic regulation of vascular prostacyclin in pregnancy. Remuzzi G, et al. **Br Med J [Clin Res]** 1981 Feb 14; 282(6263):512–4

Interrelations of calcium-regulating hormones during normal pregnancy. Whitehead M, et al. **Br Med J [Clin Res]** 1981 Jul 4;283(6283):10–2

Suggested limits to the use of the hot tub and sauna by pregnant women. Harvey MA, et al. **Can Med Assoc J** 1981 Jul 1;125(1):50–3

Daily relationships between fetal and maternal heart rates at 38 to 40 weeks of pregnancy. Patrick J, et al. **Can Med Assoc J** 1981 May 1;124(9):1177–8

Electrochemical detector for high-performance liquid chromatography. III. Determination of estriol in human urine during pregnancy. Hiroshima O, et al. **Chem Pharm Bull (Tokyo)** 1980 Aug;28(8):2512–4

Plasma C19-delta 5-steroid levels during normal human pregnancy. Bird CE, et al. **Clin Biochem** 1980 Jun; 13(3):126–8

Hair chromium at delivery in relation to age and number of pregnancies. Shapcott D, et al. **Clin Biochem** 1980 Jun; 13(3):129–31

Cardiocirculatory adjustments during pregnancy — an echocardiographic study. Laird-Meeter K, et al. **Clin Cardiol** 1979 Oct;2(5):328–32

Enzyme immunoassay of estriol in pregnancy urine. Korhonen MK, et al. **Clin Chem** 1980 Dec;26(13):1829–31

Variability in unconjugated and total estriol in serum during normal third trimester pregnancy. Penney LL, et al. **Clin Chem** 1980 Dec;26(13):1800–3

Vitamin D and plasma magnesium in pregnancy. Brown IR, et al. **Clin Chim Acta** 1981 Mar 19;111(1):109–11

Plasma alpha 1-acid glycoprotein levels in pregnancy. Chu CY, et al. **Clin Chim Acta** 1981 May 5;112(2):235–40

Serum concentrations of 3,3',5'-triiodothyronine (reverse T3) in normal pregnancy. Cooper E, et al. **Clin Chim Acta** 1980 Oct 9;106(3):347–9

Magnetisable solid-phase separation fluoroimmunoassay for total oestriol in pregnancy serum. Ekeke GI, et al. **Clin Chim Acta** 1981 Jan 8;109(1):31–7

A possible explanation for the occurrence of increased beta-hexosaminidase activity in pregnancy serum. Hultberg B, et al. **Clin Chim Acta** 1981 Jun 18;113(2):135–40

Subcellular localisation and properties of histone phosphate phosphatase in human polymorphonuclear leukocytes: alterations in pregnancy and chronic granulocytic leukaemia and relationship to alkaline phosphatase. Smith GP, et al. **Clin Chim Acta** 1981 Mar 19;111(1):17–25

Ovarian and placental hormones during prolactin suppression and stimulation in early human pregnancy. Andersen AN, et al. **Clin Endocrinol (Oxf)** 1980 Aug;13(2):151–5

beta-lipotrophin and beta-endorphin plasma levels during pregnancy. Genazzani AR, et al. **Clin Endocrinol (Oxf)** 1981 Apr;14(4):409–18

Human alpha-lactalbumin and hormonal factors in pregnancy and lactation. Martin RH, et al. **Clin Endocrinol (Oxf)** 1980 Sep;13(3):223–30

Serum concentrations of human chorionic gonadotrophin and its alpha and beta subunits. 1. During normal singleton and twin pregnancies. Reuter AM, et al. **Clin Endocrinol (Oxf)** 1980 Oct;13(4):305–18

Bromocriptine suppresses the thyrotrophin response to thyrotrophin releasing hormone during human pregnancy. Ylikorkala O, et al. **Clin Endocrinol (Oxf)** 1980 Sep; 13(3):253–7

Cellular immunity in pregnancy: subpopulations of T lymphocytes bearing Fc receptors for IgG and IgM in pregnant women. Hirahara F, et al. **Clin Exp Immunol** 1980 Aug;41(2):353–7

The placental transfer of IgG subclasses in human pregnancy. Pitcher-Wilmott RW, et al. **Clin Exp Immunol** 1980 Aug; 41(2):303–8

Modifications of the coagulation factors during normal and pathological pregnancies. Paternoster D, et al. **Clin Exp Obstet Gynecol** 1980;7(2):112–5

HGH behaviour at term of pregnancy and during puerperium. Reitano S, et al. **Clin Exp Obstet Gynecol** 1980; 7(1):17–24

Hormone profile of T3, T4 at the end of pregnancy and during puerperium. Reitano S, et al. **Clin Exp Obstet Gynecol** 1980;7(1):37–43

Amniotic fluid reverse triiodothyronine in normal and high risk pregnancies. Tolino A, et al. **Clin Exp Obstet Gynecol** 1980;7(1):62–5

Metabolic adjustments in normal and diabetic pregnancy. Knopp RH, et al. **Clin Obstet Gynecol** 1981 Mar;24(1):21–49 (128 ref.)

Plasma renin activity in normal human pregnancy and in pregnancy-associated hypertension, with reference to cryoactivation. Gallery ED, et al. **Clin Sci** 1980 Jul; 59(1):49–53

Dental anxiety and needs in low-income pregnant women. Silberman SL, et al. **Community Dent Oral Epidemiol** 1980 Apr;8(2):114–5

Fibrin(ogen) degradation products in normal pregnancy and toxaemia of pregnancy. Barthels M, et al. **Contrib Nephrol** 1981;25:85–90

Metabolism of uric acid in normal and pathologic pregnancy. Beaufils M, et al. **Contrib Nephrol** 1981;25:132–6

Pregnancy -- a challenge to volume homeostasis. Brod J. **Contrib Nephrol** 1981;25:1–3

Renal function in pregnancy. Davison JM, et al. **Contrib Nephrol** 1981;25:4–9

Chronic intravascular coagulation in normal pregnancy and preeclampsia. McKay DG. **Contrib Nephrol** 1981;25:108–19

The uteroplacental renin-angiotensin system in normal and hypertensive pregnancy. Pipkin FB, et al. **Contrib Nephrol** 1981;25:49–52

A study of the kinetics of cephapirin and cephalexin in pregnancy. Creatsas G, et al. **Curr Med Res Opin** 1980; 7(1):43–6

Carbonic anhydrase isoenzyme B in erythrocytes of hyperthyroid, pregnant and oestrogen-treated subjects. Anker N, et al. **Dan Med Bull** 1980 Apr;27(2):109–12

The influence of age and pregnancy on immune responses of baboons to mitogens and the baboon endogenous virus. Eichberg JW, et al. **Dev Comp Immunol** 1981 Winter; 5(1):135–44

Serum protein binding of salicylate during pregnancy and the puerperium. Lovecchio JL, et al. **Dev Pharmacol Ther** 1981;2(3):172–9

Banting Lecture 1980. Of pregnancy and progeny. Freinkel N. **Diabetes** 1980 Dec;29(12):1023–35 (154 ref.)

Immune complexes (ICs) and pregnancy. Pregnancy as an IC-state or IC-disease and the influence of IC-diseases on pregnancy. Gleicher N, et al. **Diagn Gynecol Obstet** 1980 Spring;2(1):7–31 (227 ref.)

Changing patterns of soft drug use prior to and during pregnancy: a prospective study. Fried PA, et al. **Drug Alcohol Depend** 1980 Nov;6(5):323–43

Marihuana use by pregnant women: neurobehavioral effects in neonates. Fried PA. **Drug Alcohol Depend** 1980 Dec; 6(6):415–24

Maternal nutrition in pregnancy-eating for two? Dobbing J. **Early Hum Dev** 1981 May;5(2):113–5

Sex related effects of nutritional supplementation during pregnancy on fetal growth. Mora JO, et al. **Early Hum Dev** 1981 Jul;5(3):243–51

The effect of pregnancy on the normal range of the oral glucose tolerance in Africans. Fraser RB. **East Afr Med J** 1981 Feb;58(2):90–4

In vitro examination of LH-HCG receptors in human corpora lutea of the menstrual cycle and pregnancy. Tanabe K, et al. **Endocrinol Jpn** 1980 Apr;27(2):253–6

Hyperthyroidism and pregnancy. I. Serum TBG level in normal pregnancy. Constantinescu A, et al. **Endocrinologie** 1980 Oct-Dec;18(4):265–72

A case of empty sella syndrome with sufficient hypophyseal function and normal pregnancy. Węgrzyn Z, et al. **Endokrynol Pol** 1981 Jan-Feb;32(1):91–5

Activities of post-heparin plasma lipoprotein lipase and hepatic lipase during pregnancy and lactation. Kinnunen PK, et al. **Eur J Clin Invest** 1980 Dec;10(6):469–74

Platelet sensitivity to prostacyclin in pregnancy and uterine cancer. Briel RC, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Jun;12(1):19–23

Angiotensin-II sensitivity and prostaglandin-synthetase inhibition in pregnancy. Jaspers WJ, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 May;11(6):379–84

Estrogen excretion by a pregnant woman with an ileostoma. Struyk AP, et al. **Eur J Obstet Gynaecol Reprod Biol** 1980 Dec;11(3):189–93

Measurement of euglobulin fibrinolysis time in women with retarded fetal development. The effect of the clamping and step tests on plasminogen activator activity. Uszyński M, et al. **Eur J Obstet Gynaecol Reprod Biol** 1980 Dec; 11(3):147–55

Successful pregnancy after high dose chemotherapy and marrow transplantation for treatment of aplastic anemia. Card RT, et al. **Exp Hematol** 1980 Jan;8(1):57–60

Dialyzable serum factors after cellular immunity in pregnancy. Szekeres J, et al. **Experientia** 1981 May 15; 37(5):515–6

Planned and unplanned births in the United States. 2. The decline in unwanted fertility, 1971–1976. Westoff CF. **Fam Plann Perspect** 1981 Mar-Apr;13(2):70–2

Caffeine and pregnancy. **FDA Drug Bull** 1980 Nov; 10(3):19–20

Surgeon general's advisory on alcohol and pregnancy. **FDA Drug Bull** 1981 Jul;11(2):9–10

Induction of ovulation and pregnancy in a pituitary dwarf. Batrinos M, et al. **Fertil Steril** 1981 Jun;35(6):638–41

Serial beta-subunit human chorionic gonadotropin doubling time as a prognosticator of pregnancy outcome in an infertile population. Batzer FR, et al. **Fertil Steril** 1981 Mar; 35(3):307–12

Maternal serum human chorionic gonadotropin concentrations and fetal sex prediction. Danzer H, et al. **Fertil Steril** 1980 Oct;34(4):336–40

Steroid production and responsiveness to gonadotropin and prostaglandins of human ovarian follicles at term pregnancy. Dennefors BL, et al. **Fertil Steril** 1981 Feb; 35(2):232–3

Surgery-pregnancy time intervals after salpingolysis, unilateral salpingostomy, and bilateral salpingostomy. Jansen RP. **Fertil Steril** 1980 Sep;34(3):222–5

Pregnancy in mosaic Turner patients: case report and a guide to reproductive counseling. Kable WT, et al. **Fertil Steril** 1981 Apr;35(4):477–8

Chorionic gonadotropin concentration in early human pregnancy: comparison of specific and nonspecific assays. Lenton EA, et al. **Fertil Steril** 1981 Jan;35(1):40–5

Serum progesterone, 17 alpha-hydroxyprogesterone, human chorionic gonadotropin, and prolactin in early pregnancy and a case of spontaneous abortion. Manganiello PD, et al. **Fertil Steril** 1981 Jul;36(1):55–60

The conservative surgical treatment of endometriosis: evaluation of pregnancy success with respect to the extent of disease as categorized using contemporary classification systems. Rock JA, et al. **Fertil Steril** 1981 Feb;35(2):131–7

Early pregnancy factor: its role in mammalian reproduction--research review. Smart YC, et al. **Fertil Steril** 1981 Apr;35(4):397–402 (42 ref.)

The function of the corpus luteum of pregnancy in ovulatory dysfunction and luteal phase deficiency. Soules MR, et al. **Fertil Steril** 1981 Jul;36(1):31–6

Failure to interrupt established pregnancy in humans by D-tryptophan-6-luteinizing hormone-releasing hormone. Tolis G, et al. **Fertil Steril** 1981 Aug;36(2):241–2

Mechanisms of non-rejection of foeto-placental allografts. Beer AE, et al. **Folia Biol (Praha)** 1980;26(4):225–43

Effects of non-selective and selective beta-adrenergic agonists on spontaneous contractions and cyclic AMP levels in myometrial strips from pregnant women. Andersson RG, et al. **Gynecol Obstet Invest** 1980; 11(5):268–93

Fear of childbirth in late pregnancy. Areskog B, et al. **Gynecol Obstet Invest** 1981;12(5):262–6

Serum estriol levels during beta-receptor agonist infusion in the third trimester of pregnancy. Bremme K, et al. **Gynecol Obstet Invest** 1981;12(2):93–8

Humoral endorphin in human body fluids during pregnancy. Granat M, et al. **Gynecol Obstet Invest** 1980;11(4):214–8

Studies on blood coagulation and fibrinolysis in pregnancy, during delivery and in the puerperium. I. Normal condition. Hellgren M, et al. **Gynecol Obstet Invest** 1981;12(3):141–54

Demonstration of plasma human chorionic gonadotropin beta-subunit during pregnancy using LH-hCG receptors from immature porcine testis. Mputu L, et al. **Gynecol Obstet Invest** 1981;12(2):81–92

First-trimester serum prolactin levels in normal and complicated pregnancies. Riss P, et al. **Gynecol Obstet Invest** 1980;11(2):113–8

Plasma steroids and human placental lactogen level changes in late pregnancy in association with intravenous ritodrine administration. Schreyer P, et al. **Gynecol Obstet Invest** 1981;12(2):99–106

Calcitonin in pregnant women and in cord blood. Wołoszczuk W, et al. **Gynecol Obstet Invest** 1981; 12(5):272–6

Clinical relevance of cytotoxic antibodies occurring in pregnancy. Kozma L, et al. **Haematologia (Budap)** 1981; 14(1):63–9

The ultrastructural localization of human neutrophil alkaline phosphatase in normal individuals during pregnancy and in patients with chronic granulocytic leukaemia. Wilson PD, et al. **Histochem J** 1981 Jan;13(1):31–43

Hepatic insulin extraction in human pregnancy. Kühl C, et al. **Horm Metab Res** 1981 Feb;13(2):71–2

C3 polymorphism and the antibody titres in pregnancy: use of a non-barbital buffer for C3 typing. Scacchi R, et al. **Hum Hered** 1981;31(3):183–6

Serum immunoglobulin levels in pregnant Indian women. Ganguli NK, et al. **Indian J Med Res** 1980 May;71:742–5

Left ventricular function during pregnancy by noninvasive technique. Kher HL, et al. **Indian J Med Res** 1980 Oct; 72:512–8

Lymphocyte subpopulations in normal human pregnancy. Rajvanshi VS, et al. **Indian J Med Res** 1981 Apr;73:519–26

Gamma glutamyl transpeptidase in anmiotic fluid and blood during pregnancy. Rambabu K, et al. **Indian J Med Res** 1980 May;71:738–41

Antibody response to tetanus toxoid during pregnancy. Rao VR, et al. **Indian J Med Res** 1980 Dec;72:840–2

Alpha fetoprotein in pregnant women and in products of conception. Rawal A, et al. **Indian J Med Res** 1980 Sep; 72:374–80

Effect of pregnancy or estrogens on circulating levels of thyroxine-binding proteins. Sawhney RC, et al. **Indian J Med Res** 1980 Aug;72:251–7

Relationship between thyrotropin, thyroid hormones, thyroxine-binding globulin and estradiol-17 beta levels in normal pregnancy. Sawhney RC, et al. **Indian J Med Res** 1981 Jan;73:41–52

Occurrence of Bacteroidaceae in vaginal secretions of healthy pregnant women and patients with colpitis. Lang N, et al. **Infection** 1980;8 Suppl 2:S134–5

Blood lead levels during pregnancy. Alexander FW, et al. **Int Arch Occup Environ Health** 1981;48(1):35–9

Dental preventive advice for pregnant and nursing mothers--sociological implications. Blinkhorn AS. **Int Dent J** 1981 Mar;31(1):14–22

Relation between semen quality and fate of pregnancy: retrospective study on 534 pregnancies. Homonnai ZT, et al. **Int J Androl** 1980 Oct;3(5):574–84

Optimal features of basal body temperature recordings associated with conceptional cycles. Matthews CD, et al. **Int J Fertil** 1980;25(4):318–20

Estrogen secretion in a renal allograft population. Ory SJ, et al. **Int J Fertil** 1981;26(1):40–4

Nutritional beliefs among pregnant Nigerian Women. Ojofeitimi EO, et al. **Int J Gynaecol Obstet** 1980 Jul–Aug; 18(1):66–9

Folate status in pregnant Chinese women in Hong Kong. Tso SC, et al. **Int J Gynaecol Obstet** 1980;18(4):290–4

Influence of pregnancy on dietary selection. Hook EB. **Int J Obes** 1980;4(4):338–40

The risk of hearing impairment in children from mothers exposed to noise during pregnancy. Szmeja Z, et al. **Int J Pediatr Otorhinolaryngol** 1979 Dec;1(3):221–9

Small for gestational age infants in pregnancies following jejunoileal bypass. Abramovici H, et al. **Int Surg** 1980 Mar–Apr;65(2):135–7

Influence of ante-natal classes on primagravid pregnancy and labour. Ryan A, et al. **Ir Med J** 1981 Mar;74(3):87–8

Dietary assessment of pregnant women in a supplemental food program. Endres JM, et al. **J Am Diet Assoc** 1981 Aug;79(2):121–6

Relationships of maternal weight gain, prepregnancy weight, and infant birthweight. Interaction of weight factors in pregnancy. Gormican A, et al. **J Am Diet Assoc** 1980 Dec; 77(6):662–7

Protein, amino acid, and caloric intakes of selected pregnant women. Williams C, et al. **J Am Diet Assoc** 1981 Jan; 78(1):28–35

Children during residency: it's easier if you're a man. Shapiro J. **J Am Med Wom Assoc** 1981 Jul;36(7):227–31

Evaluation of an enzyme-immuno-assay for the determination of total serum estrogens in pregnancy. Lanser A, et al. **J Clin Chem Clin Biochem** 1980 Jun; 18(6):327–32

Comparison of substrates for measuring cystyl-amino peptidase activity in serum of pregnancy and hepatic disease and in various tissues. Uete T, et al. **J Clin Chem Clin Biochem** 1981 Mar;19(3):145–54

Serum immunoreactive somatomedin levels in normal adults, pregnant women at term, children at various ages, and children with constitutionally delayed growth. Bala RM, et al. **J Clin Endocrinol Metab** 1981 Mar;52(3):508–12

Dopamine and prolactin in human pregnancy. Ben-Jonathan N, et al. **J Clin Endocrinol Metab** 1980 Nov;51(5):1019–25

Induced human gestational hypoprolactinemia: lack of action on fetal adrenal androgen synthesis. del Pozo E, et al. **J Clin Endocrinol Metab** 1980 Oct;51(4):936–8

Concentration of 14 steroid hormones in human amniotic fluid of midpregnancy. Forest MG, et al. **J Clin Endocrinol Metab** 1980 Oct;51(4):816–22

Unoccupied and occupied estrogen receptors in myometrial cytosol and nuclei from nonpregnant and pregnant women. Giannopoulos G, et al. **J Clin Endocrinol Metab** 1980 Oct; 51(4):702–10

Human plasma beta-endorphin during pregnancy, labor, and delivery. Goland RS, et al. **J Clin Endocrinol Metab** 1981 Jan;52(1):74–8

Decreased plasma pancreatic polypeptide levels in pregnancy. Hornnes PJ, et al. **J Clin Endocrinol Metab** 1981 Apr;52(4):605–7

Quantification of polar glucocorticosteroids in the urine of pregnant and nonpregnant women: a comparison with 6 alpha-hydroxylated metabolites of cortisol in neonatal urine and amniotic fluid. Kraan GP, et al. **J Clin Endocrinol Metab** 1980 Oct;51(4):754–8

Pregnancies following chronic intermittent (pulsatile) administration of Gn-RH by means of a portable pump ('Zyklomat')--a new approach to the treatment of infertility in hypothalamic amenorrhea. Leyendecker G, et al. **J Clin Endocrinol Metab** 1980 Nov;51(5):1214–6

Insulin binding in human pregnancy: comparisons to the postpartum, luteal, and follicular states. Moore P, et al. **J Clin Endocrinol Metab** 1981 May;52(5):937–41

Diurnal patterns and regulation of cortisol secretion in pregnancy. Nolten WE, et al. **J Clin Endocrinol Metab** 1980 Sep;51(3):466–72

Luteinizing hormone receptors in human ovarian follicles and corpora lutea during menstrual cycle and pregnancy. Rajaniemi HJ, et al. **J Clin Endocrinol Metab** 1981 Feb; 52(2):307–13

Pregnancy after prolonged pulsatile administration of luteinizing hormone-releasing hormone in a patient with clomiphene-resistant secondary amenorrhea. Schoemaker J, et al. **J Clin Endocrinol Metab** 1981 May;52(5):882–5

Concentrations of aldosterone, corticosterone, 11-deoxycorticosterone, progesterone, 17-hydroxyprogesterone, 11-deoxycortisol, cortisol, and cortisone determined simultaneously in human amniotic fluid throughout gestation. Sippell WG, et al. **J Clin Endocrinol Metab** 1981 Mar;52(3):385–92

Insulin receptors in circulating erythrocytes and monocytes from women on oral contraceptives or pregnant women near term. Tsibris JC, et al. **J Clin Endocrinol Metab** 1980 Oct;51(4):711–7

The chronically instrumental ewe: a model for studying vascular reactivity to angiotensin II in pregnancy. Rosenfeld CR, et al. **J Clin Invest** 1981 Feb;67(2):486–92

The inhibitory effect of pregnancy serum on polymorphonuclear leukocyte chemotaxis. Takeuchi A, et al. **J Clin Lab Immunol** 1980 Mar;3(2):121–4

Source of group B streptococci in the female genital tract. Sanderson PJ, et al. **J Clin Pathol** 1981 Jan;34(1):84–6

Attitudes and perceptions of perinatal concepts during pregnancy in women from three cultures. Harris R, et al. **J Clin Psychol** 1981 Jul;37(3):477–83

Suppression of concentration of endometrial prostaglandin in early intra-uterine and ectopic pregnancy in women. Abel MH, et al. **J Endocrinol** 1980 Jun;85(3):379–86

Diurnal changes in the concentration of progesterone in the plasma of women at 34–35 weeks of gestation. Challis JR, et al. **J Endocrinol** 1981 Jun;89(3):337–41

Changes in the binding of human chorionic gonadotrophin/luteinizing hormone, follicle-stimulating hormone and prolactin to human corpora lutea during the menstrual cycle and pregnancy. McNeilly AS, et al. **J Endocrinol** 1980 Dec;87(3):315–25

Partial remission of hyperprolactinemic amenorrhea after bromocriptine-induced pregnancy. Campagnoli C, et al. **J Endocrinol Invest** 1981 Jan–Mar;4(1):85–91

Decrease of thyroid antibodies during pregnancy. D'Armiento M, et al. **J Endocrinol Invest** 1980 Oct–Dec; 3(4):437–8

Vitamin B-6 and plasma PLP in pregnancy, lactation [letter] Brophy MH. **J Nutr** 1981 Mar;111(3):579–80

The relevance of zinc in pregnancy. Kynast G, et al. **J Perinat Med** 1980;8(4):171–82 (116 ref.)

Fetal breathing and body movement in relation to maternal meals in normal and insulin-dependent pregnancies. Roodenburg PJ, et al. **J Perinat Med** 1981;9 Suppl 1:149–50

Fatherhood and disturbances of mental health: a review. Fishbein EG. **J Psychiatr Nurs** 1981 Jul;19(7):24–7

The prediction of pregnancy outcome: maternal preparation, anxiety and attitudinal sets. Beck NC, et al. **J Psychosom Res** 1980;24(6):343–51

Pregnancy following aortofemoral bypass grafting. Valentine BH, et al. **J R Coll Surg Edinb** 1981 Jan;26(1):42–3

Oestrogens and host resistance [editorial] Harkness RA. **J R Soc Med** 1980 Mar;73(3):161–4

Altered drug binding to serum proteins in pregnant women: therapeutic relevance. Perucca E, et al. **J R Soc Med** 1981 Jun;74(6):422–6

Genital flora during pregnancy and colonization of the newborn. Ross JM, et al. **J R Soc Med** 1980 Feb; 73(2):105–10

Failure to detect altered rosette inhibition titres in human pregnancy serum. Cooper DW, et al. **J Reprod Fertil** 1981 Jan;61(1):241–5

Prostaglandin synthesis and metabolism in the human uterus and midtrimester fetal tissues. Falkay G, et al. **J Reprod Fertil** 1980 Jul;59(2):525–9

A progestagen-dependent endometrial protein in human amniotic fluid. Joshi SG, et al. **J Reprod Fertil** 1980 Nov; 60(2):317–21

Prostaglandins during pregnancy and the perinatal period. Mitchell MD. **J Reprod Fertil** 1981 May;62(1):305–15

Rosette inhibition levels during early human gestation. Thomson AW, et al. **J Reprod Immunol** 1980 Dec; 2(5):263–8

Pregnancy risk following laparoscopic sterilization in nongravid and gravid women. Chi IC, et al. **J Reprod Med** 1981 Jun;26(6):289–94

Ratio of unconjugated to total estriol in uncomplicated third-trimester pregnancy. Penney LL. **J Reprod Med** 1980 Nov;25(5):259–62

Combined intra- and extrauterine pregnancy. A diagnostic challenge. Shah Y, et al. **J Reprod Med** 1980 Nov; 25(5):290–2

Nicotine and its influence on the female reproductive system. Weathersbee PS. **J Reprod Med** 1980 Nov;25(5):243–50 (81 ref.)

Effects of herbs and drugs during pregnancy and lactation. Boon WH. **J Singapore Paediatr Soc** 1979 Sep–Dec; 21(3–4):169–78

Production rates and metabolism of sulphates of 3 beta-hydroxy-5 alpha-pregnane derivatives in pregnant women. Baillie TA, et al. **J Steroid Biochem** 1980 Dec; 13(12):1473–88

Normal pregnancy and delivery after ileal conduit urinary diversion. Greenberg RE, et al. **J Urol** 1981 Feb; 125(2):172–3

The urinary tract in pregnancy. Waltzer WC. **J Urol** 1981 Mar;125(3):271–6 (79 ref.)

Why does arthritis pain diminish with pregnancy? [news] Kangilaski J. **JAMA** 1981 Jul 24–31;246(4):317

Pregnant jogger: what a record! [news] Korcok M. **JAMA** 1981 Jul 17;246(3):201

Effect of prostaglandin and seminal fluid on human chorioamniotic membranes. Lavery JP, et al. **JAMA** 1981 Jun 19;245(23):2425–7

Hypervascularity of the uterine wall during pregnancy: incidence, sonographic appearance, and obstetric implications. Hadlock FP, et al. **JCU** 1980 Oct;8(5):399–403

Preconception radiation, intrauterine diagnostic radiation, and childhood neoplasia. Shiono PH, et al. **JNCI** 1980 Oct; 65(4):681–6

Participation: the key to learning for patients in antepartal clinics. Bonovich L. **JOGN Nurs** 1981 Mar–Apr;10(2):75–9

Smoking and alcohol consumption: advice given by health care professionals. Davidson S. **JOGN Nurs** 1981 Jul–Aug; 10(4):256–8

Effects of cigarette smoking on maternal nutrition and the fetus. Deibel P. **JOGN Nurs** 1980 Nov–Dec;9(6):333–6

Sexual needs and concerns of expectant parents. Ellis DJ. **JOGN Nurs** 1980 Sep–Oct;9(5):306–8

Therapeutic uses of human figure drawings by the pregnant couple. Harris R, et al. **JOGN Nurs** 1980 Jul–Aug; 9(4):232–7

The marital sexual relationship during pregnancy. Swanson J. **JOGN Nurs** 1980 Sep–Oct;9(5):267–70

Fluoride balances in pregnant and nonpregnant women. Maheshwari UR, et al. **JOM** 1981 Jul;23(7):465–8

The kidney in pregnancy. **Kidney Int** 1980 Aug;18(2):147–278

Renal hemodynamics and tubular function normal human pregnancy. Davison JM, et al. **Kidney Int** 1980 Aug; 18(2):152–61 (105 ref.)

The kidney in pregnancy. Introduction. Lindheimer MD, et al. **Kidney Int** 1980 Aug;18(2):147–51

Sodium and mineralocorticoids in normal pregnancy. Nolten WE, et al. **Kidney Int** 1980 Aug;18(2):162–72 (51 ref.)

Parenthood following renal transplantation. Penn I, et al. **Kidney Int** 1980 Aug;18(2):221–33 (44 ref.)

Coffee in pregnancy [letter] **Lancet** 1981 Mar 7;1(8219):554

Bed rest in obstetrics [editorial] **Lancet** 1981 May 23; 1(8230):1137–8

Can a tumour cause the same appetite perversion or taste change as a pregnancy? Brewin TB. **Lancet** 1980 Oct 25; 2(8200):907–8

Iron transport in pregnancy [letter] Brown PJ, et al. **Lancet** 1980 Sep 27;2(8196):694–5

Effect of smoking during pregnancy on Apgar and Bayley scores [letter] Garn SM, et al. **Lancet** 1980 Oct 25; 2(8200):912–3

Phenytoin binding in pregnancy [letter] Leonard R. **Lancet** 1980 Dec 13;2(8207):1312–3

Salivary oestriol in normal pregnancy [letter] Robinson J, et al. **Lancet** 1981 May 16;1(8229):1111–2

Phenytoin binding in pregnancy [letter] Ruprah M, et al. **Lancet** 1981 Jan 10;1(8211):97

Outcome for infants of very low birthweight [letter] Smith AM. **Lancet** 1981 Jun 13;1(8233):1319–20

N-acetylneuraminic acid in electrophoretic fractions of serum proteins in the course of pregnancy. Domagała T, et al. **Mater Med Pol** 1979 Oct–Dec;11(4):384–7

The vulnerability of a primipara during the antepartal period. Tipping VG. **Matern Child Nurs J** 1981 Spring;10(1):61–77

The clinical features of the menopause and its relation to the length of pregnancies and lactation. Batrinos ML, et al. **Maturitas** 1979 Jun;1(4):261–8

Maternal physical activity, birth weight and perinatal mortality. Briend A. **Med Hypotheses** 1980 Nov; 6(11):1157–70

Resolved: there exists an atropinic agent in vivo. Cantor S. **Med Hypotheses** 1980 Aug;6(8):801–5

The influence of pregnancy on breast cancer risk: is it endocrinological or immunological? Janerich DT. **Med Hypotheses** 1980 Nov;6(11):1149–55

Immunodetente and the 'see-saw'. Pearson RD. **Med Hypotheses** 1980 Oct;6(10):1083–6

Vietnamese attitudes towards maternal and infant health. Manderson L, et al. **Med J Aust** 1981 Jan 24;1(2):69–72

Rubella immunity in pregnancy [letter] Menser MA. **Med J Aust** 1981 May 16;1(10):538

Cystic fibrosis and pregnancy [editorial] Phelan PD. **Med J Aust** 1981 Jan 24;1(2):58

Vietnamese refugees in Adelaide: an obstetric analysis. Ward BG, et al. **Med J Aust** 1981 Jan 24;1(2):72–5

Iron stores in pregnancy. George E, et al. **Med J Malaysia** 1980 Dec;35(2):129–30

Radiochemical estimation of serum polyamine oxidase activity in human pregnancy. Morgan DM, et al. **Med Lab Sci** 1981 Jan;38(1):49–56

The immunobiology of the maternal–fetal relationship. Billingham RE. **Mt Sinai J Med (NY)** 1980 Sep–Oct; 47(5):550–60

Common denominators of pregnancy and malignancy. Gleicher N, et al. **Mt Sinai J Med (NY)** 1980 Sep–Oct; 47(5):511–20 (116 ref.)

Normal serum alpha–fetoprotein levels during mid–pregnancy [letter] Milunsky A, et al. **N Engl J Med** 1981 Apr 16;304(16):974

Gallbladder function in pregnancy [letter] Wood JR. **N Engl J Med** 1980 Oct 23;303(17):1001

Direct evidence of sudden rise in fetal corticoids late in human gestation. Fencl MD, et al. **Nature** 1980 Sep 18; 287(5779):225–6

Excretion, isolation and structure of a new phenolic constituent of female urine. Stitch SR, et al. **Nature** 1980 Oct 23;287(5784):738–40

Perinatal report: is routine iron supplementation necessary during pregnancy? Goodlin RC. **Nebr Med J** 1981 Jan; 66(1):3

Patterns of alcohol and cigarette use in pregnancy. Kuzma JW, et al. **Neurobehav Toxicol Teratol** 1981 Summer; 3(2):211–21

Placentophagia: a biobehavioral enigma (or De gustibus non disputandum est). Kristal MB. **Neurosci Biobehav Rev** 1980 Summer;4(2):141–50 (78 ref.)

Effect of teaching on primiparas' perceptions of their newborn. Hall LA. **Nurs Res** 1980 Sep–Oct;29(5):317–22

Drugs, oral contraceptives and pregnancy [editorial] **NZ Med J** 1980 Sep 10;92(667):200

Measurement of the uterus and gestation sac by ultrasound in early normal and abnormal pregnancy. Chandra M, et al. **NZ Med J** 1981 Jan 14;93(675):3–5

Effects of HLA antibodies on pregnancy. Balasch J, et al. **Obstet Gynecol** 1981 Apr;57(4):444–6

Influence of pregnancy weight gain on the size of infants born to underweight women. Brown JE, et al. **Obstet Gynecol** 1981 Jan;57(1):13–7

Time trend analysis of unconjugated estriol concentrations in third–trimester pregnancy. Buster JE, et al. **Obstet Gynecol** 1980 Dec;56(6):743–7

Serum ferritin as an assessment of iron stores and other hematologic parameters during pregnancy. Kaneshige E. **Obstet Gynecol** 1981 Feb;57(2):238–42

Management of a rare blood type: Oh 'Bombay' in pregnancy. Katz AR, et al. **Obstet Gynecol** 1981 Jun;57(6 Suppl):16S–7S

Pancreatic alpha cell response to alanine during and after normal and diabetic pregnancies. Kitzmiller JL, et al. **Obstet Gynecol** 1980 Oct;56(4):440–5

Comparison of serum unconjugated estriol and estetrol in normal and complicated pregnancies. Kundu N, et al. **Obstet Gynecol** 1981 Sep;58(3):276–81

hPL deficiency with normal estriol levels in a normal pregnancy. Moshirpur J, et al. **Obstet Gynecol** 1981 Jun; 57(6 Suppl):6S–8S

Influence of maternal cigarette smoking during pregnancy on fetal and childhood growth. Naeye RL. **Obstet Gynecol** 1981 Jan;57(1):18–21

Glycohemoglobin determinations in normal pregnancy and in insulin–dependent diabetics. Vintzileos AM, et al. **Obstet Gynecol** 1980 Oct;56(4):435–9

Plasma antithrombin III activity in normal pregnancy. Weiner CP, et al. **Obstet Gynecol** 1980 Nov;56(5):601–3

Thromboplastic activity of amniotic fluid in term and postmature gestations. Yaffe H, et al. **Obstet Gynecol** 1981 Apr;57(4):490–2

The Pregnancy Discrimination Act. Epler G. **Occup Health Saf** 1980 Sep;49(8):12

Pregnancy and medical disability. Sanders J, et al. **Ohio State Med J** 1981 Jun;77(6):347

Quantitative structural differences within the normal term human placenta: a pilot study. Boyd PA, et al. **Placenta** 1980 Oct–Dec;1(4):337–44

The relationship between changing values of pregnancy–associated plasma protein–A in late pregnancy and the onset of labour. Smith R, et al. **Placenta** 1981 Apr–Jun;2(2):143–8

Reversing female sterilization. Henry A, et al. **Popul Rep [C]** 1980 Sep;(8):C97–123

Successful pregnancy soon after oral contraceptive–associated malignant hypertension. Silas JH, et al. **Postgrad Med J** 1980 Nov;56(661):790–1

Changes in salivary pH and lactobacilli count in pregnant women. Orosz M, et al. **Proc Finn Dent Soc** 1980; 76(4):204–7

Estimation of essential fatty acid requirements in pregnancy and lactation. Crawford MA. **Prog Food Nutr Sci** 1980; 4(5):75–80 (24 ref.)

Prostaglandins in the human fetal circulation in mid–trimester and term pregnancy. MacKenzie IZ, et al. **Prostaglandins** 1980 Oct;20(4):649–54

Cigarette smoking in pregnancy: a health education problem. Dalton ER, et al. **Public Health** 1981 Jul;95(4):207–14

Erythrocyte sedimentation rate and plasma lipids during pregnancy. Biagioni S, et al. **Quad Sclavo Diagn** 1981 Jun; 17(2):230–7

The pregnant x–ray technologist—providing adequate radiation safety for the fetus. Caprio ML Jr. **Radiol Technol** 1980 Sep–Oct;52(2):161–3

Anxiety levels and concerns among pregnant women. Glazer G. **Res Nurs Health** 1980 Sep;3(3):107–113

The postpneumonectomy mother. Pregnancy, delivery and motherhood in 80 patients followed through more than 20 years after surgery. Laros KD. **Respiration** 1980; 39(4):185–7

HPL, beta 1SP1–glycoprotein and LAP in the normal and pathological pregnancy. Gamberini G, et al. **Ric Clin Lab** 1980 Jan–Mar;10(1):233–7

Determination of serum estriol levels using a 125I–radioimmunoassay. Scaglia HE, et al. **Ric Clin Lab** 1980 Jul–Sep;10(3):545–56

Prolactin, estriol and progesterone levels in frequent blood samples throughout normal pregnancy (lack of prolactin pulsatile secretion). Scaglia HE, et al. **Ric Clin Lab** 1981 Jan–Mar;11(1):65–74

Weight gain in pregnancy—30 year of research. Hytten FE. **S Afr Med J** 1981 Jul 4;60(1):15–9

Maternal nutrition and the duration of pregnancy. Woods DL, et al. **S Afr Med J** 1981 May 16;59(21):956–7

Pregnancy outcome for women working in laboratories in some of the pharmaceutical industries in Sweden. Hansson E, et al. **Scand J Work Environ Health** 1980 Jun;6(2):131–4

Maternal plasma glucose concentration and fetal breathing movements: a review. Natale R. **Semin Perinatol** 1980 Oct; 4(4):287–93 (36 ref.)

Wives' and husbands' expected costs and benefits of childbearing as predictors of pregnancy. Fried ES, et al. **Soc Biol** 1979 Winter;26(4):265–74

Traditional concepts and customs on pregnancy, birth and post partum period in rural Korea. Sich D. **Soc Sci Med [Med Anthropol]** 1981 Jan;15B(1):65–9

Glycosylated hemoglobin in diabetic and nondiabetic pregnancies. McFarland KF, et al. **South Med J** 1981 Apr; 74(4):410–2

Changes in thyroid function in pregnancy and with oral contraceptive use. Souma JA, et al. **South Med J** 1981 Jun; 74(6):684–7

Aldosterone and corticosterone in amniotic fluid during various stages of pregnancy. Blankstein J, et al. **Steroids** 1980 Aug;36(2):161–5

The isolation of estriol–16 alpha–glucuronide and pregnanediol–3 alpha–glucuronide from late pregnancy urine. Samarajeewa P, et al. **Steroids** 1980 Nov;36(5):611–8

Circulating levels of pregnancy specific beta 1–glycoprotein (SP1) in normal pregnancy and in intrauterine growth retardation. Lee JN, et al. **Taiwan I Hsueh Hui Tsa Chih** 1980 Nov;79(11):986–9

Immunobiology of pregnancy: evidence for a fetal immune response against the mother. Chardonnens X, et al. **Tissue Antigens** 1980 May;15(5):401–6

Fibrinolytic activity during pregnancy. Maki M, et al. **Tohoku J Exp Med** 1980 Nov;132(3):349–54

Effects of some drugs on ripening of uterine cervix in nonpregnant castrated and pregnant rats. Saito Y, et al. **Tokoho J Exp Med** 1981 Feb;133(2):205–20

Pregnancy spacing by child weight. Brown RC, et al. **Trans R Soc Trop Med Hyg** 1979;73(4):453–4

The immunologic basis of the fetal–maternal relationship. Segal S, et al. **Transplant Proc** 1980 Dec;12(4):582–7

Trophoblast survival. Faulk WP, et al. **Transplantation** 1981 Jul;32(1):1–5

Parenthood following renal and hepatic transplantation. Penn I, et al. **Transplantation** 1980 Dec;30(6):397–400

Calcium metabolism in African primigravids. Egwuatu VE, et al. **Trop Geogr Med** 1981 Mar;33(1):61–5

Scuba diving and fetal well–being: a survey of 208 women. Bolton ME. **Undersea Biomed Res** 1980 Sep;7(3):183–9

Pregnancy following jejunoileal bypass. Martinez D, et al. **W Va Med J** 1980 Jun;76(6):130–3

Preconceptional control of diabetic women and congenital malformations. Curet LB. **Wis Med J** 1980 Dec;79(12):31

An analysis of all pregnancy outcomes in a rural Korean community. Park TK. **Yonsei Med J** 1979;20(2):170–83

[Blood volume changes in normal pregnancy and late toxicoses] Dimitrov A. **Akush Ginekol (Sofiia)** 1981; 20(1):76–82 **(Bul)**

[Biological rhythms of the fetoplacental system in normal and prolonged pregnancy] Timoshenko LV, et al. **Akush Ginekol (Sofiia)** 1980;19(5–6):416–20 **(Bul)**

[Complications after the premature termination of an unwanted pregnancy as an etiological factor in spontaneous abortions and the motives for abortions on demand] Vasileva I. **Akush Ginekol (Sofiia)** 1980;19(4):300–3 (Eng. Abstr.) **(Bul)**

[Studies of the physiological variations of leukocyte in peripheral blood during pregnancy (author's transl)] Li JH. **Chung Hua Fu Chan Ko Tsa Chih** 1980;15(2):102–4 **(Chi)**

[An improved fluorometric method for the determination of urine estriol in pregnant woman and its application (author's transl)] Yuan QX. **Chung Hua Fu Chan Ko Tsa Chih** 1979;14(3):134–8 **(Chi)**

[Examination of sera from pregnant women for the presence of anti–HLA–DRw cytotoxins (author's transl)] Májský A. **Cas Lek Cesk** 1980 Jul 11;119(27–28):764–7 (Eng. Abstr.) **(Cze)**

[Physiologic pregnancy. Longitudinal study of the internal environment and additional biochemical parameters] Novosad P, et al. **Cas Lek Cesk** 1980 Jul 25; 119(29–30):787–94 (Eng. Abstr.) **(Cze)**

[A working hypothesis of the immunological tolerance between the mother and the foetus envisaged from the view–point of specific and nonspecific immunosuppression (author's transl)] Fuchs V. **Cesk Gynekol** 1980 Sep; 45(8):539–47 (Eng. Abstr.) **(Cze)**

[C–reactive protein in the serum of pregnant women (author's transl)] Knobloch V, et al. **Cesk Gynekol** 1981 May; 46(4):296–9 (Eng. Abstr.) **(Cze)**

[Prostaglandins and pregnancy] Přibyl B. **Cesk Gynekol** 1980; 45(10):736–43 (113 ref.) **(Cze)**

[Salt intake and use of diuretics during pregnancy. A review] Rasmussen K, et al. **Ugeskr Laeger** 1980 Nov 24; 142(48):3198–200 (18 ref.) **(Dan)**

[Use of psychopharmaceuticals during pregnancy and lactation] Huttunen M. **Duodecim** 1980;96(2):168–74 **(Fin)**

[Pregnancy at risk] Soiva K. **Duodecim** 1980;96(2):98–100 **(Fin)**

[Hemoglobin AIC in normal pregnant women and in diabetics] Ylinen K, et al. **Duodecim** 1980;96(18):1206–12 (Eng. Abstr.) **(Fin)**

[A liquid chromatography technique for routine determination of urinary estriol in human pregnancy (author's transl)] Habrioux G. **Ann Biol Clin (Paris)** 1981; 39(2):75–9 (Eng. Abstr.) **(Fre)**

[Enzyme–immuno assay for total estrogens and human placental lactogen. Comparison with radio–immuno–assay in normal pregnancy–monitoring (author's transl)] Raichvarg D, et al. **Ann Endocrinol (Paris)** 1980 Sep–Oct; 41(5):387–98 **(Fre)**

[Polyunsaturated fatty acids and pregnancy] Breton JC, et al. **Ann Nutr Aliment** 1980;34(2):217–8 (0 ref.) **(Fre)**

[Increased conjugation of catecholamines during normal pregnancy] Bourdon V, et al. **C R Soc Biol (Paris)** 1980; 174(3):370–3 (Eng. Abstr.) **(Fre)**

[A retrospective study of some chemical fractions of serum proteins in pregnancies at 6–7 months which ended normally or abnormally (author's transl)] Badin J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(4):425–33 (Eng. Abstr.) **(Fre)**

[Lysozyme content of amniotic fluid (A.F.) (author's transl)] Berardi JC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(6):629–31 (Eng. Abstr.) **(Fre)**

[Cervical muscular tissue in pregnant women and Macaca monkey females. Functional evaluation 'in vivo' using an electrophysiological technique] Cabrol D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(2):189–92 (Eng. Abstr.) **(Fre)**

[Simultaneous intra– and extra– uterine pregnancies (author's transl)] Choukroun J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(3):231–4 (Eng. Abstr.) **(Fre)**

[The experience of pregnancy and delivery] Correa P. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(1):130–1 **(Fre)**

[A study of gamma–glutamyl–transpeptidase and of the ratio of IgA to transferrin in the pregnant woman (and when using oral contraception) and in the newborn (author's transl)] Crépin G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1979;8(7):625–30 (Eng. Abstr.) **(Fre)**

[The components of body weight in pregnant women determined by electrical impedance measurements of the whole body (author's transl)] Dumont M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(6):649–53 (Eng. Abstr.) **(Fre)**

[Tubal epithelium. Scanning electron microscopy in the menstrual cycle, in pregnancy and in the menopause (author's transl)] Frappart L, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(3):307–13 (Eng. Abstr.) **(Fre)**

[Women reactions to ultrasound scanning during pregnancy (author's transl)] Garel M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(3):347–54 (Eng. Abstr.) **(Fre)**

[Pregnancy and portal hypertension due to a pre–hepatic block. 3 case histories (author's transl)] Grall JY, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1979;8(8):727–9 (Eng. Abstr.) **(Fre)**

[Cardiovascular condition of the pregnant woman. The normal state and the initial stages of hypertension] Lecomte J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(1):35–8 **(Fre)**

[The influence of childbearing on the urinary tract (author's transl)] Reinhardt W, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(3):325–30 (Eng. Abstr.) **(Fre)**

[The obstetrical future of women who have been operated on for uterine synechiae. 107 cases operated on (author's transl)] Rochet Y, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1979;8(8):723–6 (Eng. Abstr.) **(Fre)**

[Pregnancy in women wearing a heart valve prosthesis: 5 case histories (author's transl)] Seve B, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(5):549–55

(Eng. Abstr.) (Fre)
[Maternal serum levels of cystine-aminopeptidase (C.A.P.) in normal and pathological pregnancies (author's transl)] Thoumsin HJ, et al.
J Gynecol Obstet Biol Reprod (Paris) 1980;9(8):849–54 (Eng. Abstr.) (Fre)
[Serial levels of HLP, SP1, SP3, and different proteins in pregnancy compared for their prognostic value (author's transl)] Viala JL, et al.
J Gynecol Obstet Biol Reprod (Paris) 1980;9(4):419–24 (Eng. Abstr.) (Fre)
[Per-urethral coitus. One case followed by pregnancy] Pavone-Macaluso M, et al. **J Urol (Paris)** 1980;86(2):117–8 (Eng. Abstr.) (Fre)
[Intra-uterine pregnancy after microsurgical salpingostomy for bilharziasis of the tubal ampulla (letter)] Cornier E, et al. **Nouv Presse Med** 1981 Jul 11–25;10(30):2514–5 (Fre)
['Gravid eutrophia' or normalization of fluid compartments in the pregnant woman. Measurement of whole body electric impedance (letter)] Dumont M, et al.
Nouv Presse Med 1981 Jul 11–25;10(30):2513 (Fre)
[Pregnancy in migrant women. Changes between 1972 and 1976] Kaminski M, et al. **Rev Epidemiol Sante Publique** 1980;28(2):263–6 (Fre)
[Dietary behavior during pregnancy (author's transl)] Papoz L, et al. **Rev Epidemiol Sante Publique** 1980;28(2):155–67 (Fre)
[Psychological development in pregnancy] Houmont M.
Rev Med Liege 1980 Sep 1;35(17):581–6 (Fre)
[The hormonology of pregnancy] Lambotte R.
Rev Med Liege 1980 Sep 1;35(17):575–7 (Fre)
[Nutrition in normal pregnancy] Lefebvre P.
Rev Med Liege 1980 Sep 1;35(17):579–80 (Fre)
[Salivary pH during pregnancy. Relationship with the presence or absence of Candida albicans. A study of 200 cases (author's transl)] Scheffer P, et al.
Rev Stomatol Chir Maxillofac 1981;82(2):140–2 (Eng. Abstr.) (Fre)
[The fetus, an involuntary smoker: a study of carbon monoxide in pregnant women and their newborn infants] Bureau MA, et al. **Union Med Can** 1980 Sep;109(9):1341–5, 79 (Fre)
[Prospective study of arterial pressure in pregnancy: obstetrical and neonatal consequences. Preliminary results in 149 patients] Moutquin JM, et al. **Union Med Can** 1981 Jun;110(6):547–50 (Eng. Abstr.) (Fre)
[Rate of pregnancies after homologous insemination. Improvement of sperm motility with prostaglandin F2-alpha] Grünberger W, et al. **Fortschr Med** 1981 Apr 2;99(13):468–70 (Eng. Abstr.) (Ger)
[Pregnancy following renal transplants (author's transl)] Baltzer J, et al. **Geburtshilfe Frauenheilkd** 1980 Dec; 40(12):1047–51 (Eng. Abstr.) (Ger)
[Unplanned pregnancy--liability of the gynecologist] Schlund GH. **Geburtshilfe Frauenheilkd** 1980 Oct; 40(10):893–5 (Ger)
[A new slide-rule for pregnancy data] Popp LW.
Gynaekol Rundsch 1980 Jun;20 Suppl 1:100–1 (Ger)
[Clinico-chemical and hematologic parameters in the course of pregnancy] Brockerhoff P, et al. **Gynakol Rundsch** 1981; 21(2):101–23 (Ger)
[Experiences with a simplified form of the roll-over test] Huber JC, et al. **Gynakol Rundsch** 1981;21(2):124–30 (Ger)
[Visual field changes in normal pregnancy] Fulmek R, et al. **Klin Monatsbl Augenheilkd** 1980 Feb;176(2):307–12 (Eng. Abstr.) (Ger)
[Mother and fetus in their immunologic interrelations] Hermann W. **Med Klin** 1981 May 22;76(11):296–301 (21 ref.) (Ger)
['Impossible pregnancy. The greatest caution and discretion should be used in the diagnosis of sterility (editorial)] Bettendorf G. **MMW** 1981 Jan 30;123(5):156–8 (Ger)
[The pharmacokinetics of cephalothin during the late stage of pregnancy and in the course of labour (author's transl)] Peiker G, et al. **Pharmazie** 1980 Dec;30(12):790–3 (Eng. Abstr.) (Ger)
[Kidney function in the 1st half of pregnancy] Voigt R, et al. **Radiobiol Radiother (Berl)** 1980;21(2):191–6 (Eng. Abstr.) (Ger)
[Intestinal absorption of zinc during gravidity and lactation (author's transl)] Schwarz FJ, et al.
Res Exp Med (Berl) 1981;179(1):35–42 (Eng. Abstr.) (Ger)
[Guidelines for medical conduct in relation to exposure of the human fetus to ionizing radiation and incorporation of radioactive substances for medical purposes] **ROEFO** 1980 May;132(5):595–603 (Ger)
[The radiation dose to the foetus during isotope investigations of the mother] Hahn K, et al. **ROEFO** 1980 Mar; 132(3):326–30 (Eng. Abstr.) (Ger)
[Limits of dental treatment during pregnancy] Breckwoldt M. **SSO** 1980 Oct;90(10):927–31 (Ger)
[Risk in metabolic diseases, endocrine diseases, hormonal therapy and in pregnancy] Ries W. **Stomatol DDR** 1980 Oct;30(10):713–8 (Eng. Abstr.) (Ger)
[Drug use and patient behavior during pregnancy] Hüller H, et al. **Z Aerztl Fortbild (Jena)** 1980 Dec 1;74(23):1101–3 (Ger)
[Pathobiochemistry of mineral and trace elements. III. Magnesium concentration in whole blood and serum of pregnant women and newborn (author's transl)] Anastasiadis P, et al. **Z Geburtshife Perinatol** 1981 Apr; 185(2):100–5 (Eng. Abstr.) (Ger)
[Pathobiochemistry of mineral and trace elements. IV Iron concentration in whole blood and serum of pregnant women and newborn (author's transl)] Anastasiadis P, et al. **Z Geburtshife Perinatol** 1981 Apr;185(2):106–10 (Eng. Abstr.) (Ger)
[Pathobiochemistry of mineral and trace elements. II. Copper concentration in the whole blood and serum of pregnant women and newborn (author's transl)] Anastasiadis P, et al. **Z Geburtshife Perinatol** 1981 Feb;185(1):33–7 (Eng. Abstr.) (Ger)
[Pathobiochemistry of mineral and trace elements. I. Concentration of zinc in the whole blood and serum of pregnant women and newborn (author's transl)] Anastasiadis P, et al. **Z Geburtshife Perinatol** 1981 Feb; 185(1):27–32 (Eng. Abstr.) (Ger)
[lysozyme level in urine during pregnancy (author's transl)] Dick W, et al. **Z Geburtshife Perinatol** 1980 Feb;184(1):60–3 (Eng. Abstr.) (Ger)
[Multifactorial disturbances and compensatory phenomena in the materno-fetal unit (author's transl)] Bender HG, et al. **Z Geburtshilfe Perinatol** 1980 Jun;184(3):209–16 (Eng. Abstr.) (Ger)
[Health behavior of pregnant women with different attitudes to pregnancy] Reis K, et al. **Z Gesamte Hyg** 1981; 27(6):480–2 (Eng. Abstr.) (Ger)
[Information obtainable from hysterosalpingography and laparoscopy and importance of tubal factor in sterile patients (author's transl)] Mälzer G, et al.
Zentralbl Gynaekol 1981;103(7):397–402 (Eng. Abstr.) (Ger)
[Change of immunity during pregnancy (author's transl)] Miller EC. **Zentralbl Gynaekol** 1980;102(13):702–8 (Eng. Abstr.) (Ger)
[Contractility of the uterus in normal pregnancy (author's transl)] Zissopoulos P, et al. **Zentralbl Gynaekol** 1980; 102(8):434–9 (Eng. Abstr.) (Ger)
[Main drug hazards of dental treatment during pregnancy] Spanakes K, et al. **Stomatologia (Athenai)** 1980 Sep-Oct; 37(5):307–15 (Gre)
[Metabolism of calcium and phosphorous in pregnancy and in the newborn (editorial)] Shupper A, et al. **Harefuah** 1980 Oct 15;99(8):232–4 (Heb)
[Examination of acid solubility of teeth during pregnancy] Orosz M, et al. **Fogorv Sz** 1980 Sep;73(9):273–6 (Hun)
[Attitude of pregnant Gypsy women and health care] Bodnár L. **Orv Hetil** 1980 Dec 21;121(51):3107–11 (Hun)
[Variations in serum uric acid levels during the 2d pregnancy trimester] Faragó F. **Orv Hetil** 1981 Apr 26;122(17):1003–4 (Hun)
[Significance of the gravidogram in maternal care (letter)] Gardó S. **Orv Hetil** 1981 May 31;122(22):1357 (Hun)
[Estriol elimination in pregnant women] Mészáros K, et al. **Orv Hetil** 1981 Jan 25;122(4):203–7 (Hun)
[Iron metabolism in healthy pregnant women based on serum ferritin level, studied by immunoradiometry] Német K, et al. **Orv Hetil** 1981 Mar 22;122(12):681–3 (Hun)
[Extension of the 'couvade syndrome' concept] Tessitore A, et al. **Acta Neurol (Napoli)** 1981 Feb;36(1):318–24 (Eng. Abstr.) (Ita)
[Extension of the idea of the 'couvade syndrome'] Tessitore A, et al. **Acta Neurol [Quad] (Napoli)** 1981;42:318–24 (Eng. Abstr.) (Ita)
[Total serum bilirubin, alkaline phosphatase and transaminases in normal and hepatogestosic pregnant women] Braibanti M, et al.
Ann Ostet Ginecol Med Perinat 1981 May-Jun;102(3):193–9 (Eng. Abstr.) (Ita)
[Relation between maternal fibrinogen and placental fibrin in normal pregnancy at term] Fantoni A, et al.
Arch Sci Med (Torino) 1981 Apr-Jun;138(2):201–2 (Ita)
[Concentrations of polyamines in maternal and umbilical-cord blood and in the amniotic fluid during normal human pregnancy and in feto-placental insufficiency] Casti A, et al.
Ateneo Parmense [Acta Biomed] 1979;50(1):15–26 (Eng. Abstr.) (Ita)
[Action of complement in normal pregnancy and gestosis] Manno C, et al. **Boll Ist Sieroter Milan** 1979 Sep 30; 58(4):325–34 (Eng. Abstr.) (Ita)
[The trace elements iron, copper and zinc in Tanzanian women during pregnancy. Comparative study with a group of Italians] Donzelli GP, et al. **Boll Soc Ital Biol Sper** 1979 Feb 28;55(4):349–54 (Eng. Abstr.) (Ita)
[Indices of induced platelet aggregation in normal pregnancy] Nubile G, et al. **Boll Soc Ital Biol Sper** 1981 Feb 15; 57(3):346–50 (Ita)
[HDL cholesterol during physiological pregnancy] Nubile G, et al. **Boll Soc Ital Biol Sper** 1980 Sep 30;56(18):1807–11 (Ita)
[Effects of different postures on left ventricular function during various trimesters of pregnancy] Giasi M, et al.
Boll Soc Ital Cardiol 1979;24(12):1385–9 (Ita)
[Systolic times adjustment during pregnancy and puerperium (author's transl)] Cellina G, et al. **G Ital Cardiol** 1981; 11(1):63–7 (Eng. Abstr.) (Ita)
[Reanl function in pregnancy] Amerio A.
Minerva Ginecol 1980 Oct;32(10):855–7 (Ita)
[Sexuality and maternity. Biological and psychodynamic considerations] Capello C, et al. **Minerva Ginecol** 1981 May; 33(5):469–78 (Eng. Abstr.) (Ita)
[Determination of zinc protoporphyrins in pregnancy and the puerperium] Ferrari S, et al. **Minerva Ginecol** 1981 Apr; 33(4):313–4 (Eng. Abstr.) (Ita)
[Antithrombin activity during pregnancy] Ferrari S, et al.
Minerva Ginecol 1981 May;33(5):433–6 (Eng. Abstr.) (Ita)
[Nutritional behavior of the pregnant woman. Current role of the obstetrician in relation to dietary habits in pregnancy] Gatti E, et al. **Minerva Ginecol** 1981 May;33(5):447–54 (Eng. Abstr.) (Ita)
[The IUD in pregnancy] Rapisarda V, et al.
Minerva Ginecol 1980 Jun;32(6):504–6 (Ita)
[Behavior of glycosylated hemoglobins in normal, obese and diabetic pregnant women and their newborn infants] Trossarelli GF, et al. **Minerva Ginecol** 1981 May; 33(5):437–46 (Eng. Abstr.) (Ita)
[Smoking in pregnancy. Effect on gestation and consequent effects on the fetus] Villani C, et al. **Minerva Ginecol** 1981 Jan;33(1):117–26 (52 ref.) (Eng. Abstr.) (Ita)
[The effect of pyridoxine on dental caries in pregnant women] Marcucci M, et al. **Minerva Stomatol** 1980 Nov-Dec; 29(6):475–8 (Eng. Abstr.) (Ita)
[Determination of plasma chromium in pregnant women at term and in the umbilical cord blood] Imbriani M, et al. **Quad Sclavo Diagn** 1979 Jun;15(2):183–8 (Eng. Abstr.) (Ita)
[The significance of plasma oxytocin in pregnancy and at parturition (author's transl)] Arai T.
Acta Obstet Gynaecol Jpn 1980 Dec;32(12):2017–26 (Eng. Abstr.) (Jpn)
[Study on the properties of pregnancy-specific beta 1-glycoprotein (SP1) in urines of pregnant women (author's transl)] Ito M, et al.
Acta Obstet Gynaecol Jpn 1981 May;33(5):612–8 (Eng. Abstr.) (Jpn)
[Incidence of anti-Rho(D) antibody production in Japanese Rho(D)-negative women by Rh incompatibility between mother and fetus, and prognosis of the infants (author's transl)] Izawa H, et al. **Acta Obstet Gynaecol Jpn** 1981 Feb;33(2):201–6 (Eng. Abstr.) (Jpn)
[The safety of diagnostic continuous wave ultrasonic irradiation-a clinical study serum hemoglobulin level and scanning electron microscopic finding of maternal and cord blood in vitro (author's transl)] Koh S.
Acta Obstet Gynaecol Jpn 1981 Apr;33(4):469–78 (Eng. Abstr.) (Jpn)
[Renin and aldosterone during pregnancy (author's transl)] Motoyama S, et al. **Acta Obstet Gynaecol Jpn** 1980 Dec; 32(12):1977–85 (Eng. Abstr.) (Jpn)
[Pregnancy and delivery following cardiac valve replacement (author's transl)] Sato Y, et al.
Acta Obstet Gynaecol Jpn 1981 Jun;33(6):745–51 (Eng. Abstr.) (Jpn)
[Correlation of human cervical ripening and glycoconjugates (glycosaminoglycans and glycoproteins) (author's transl)] Shimizu T. **Acta Obstet Gynaecol Jpn** 1980 Dec; 32(12):1967–76 (Eng. Abstr.) (Jpn)
[Urinary total estrogens in normal menstrual cycle and early pregnancy (author's transl)] Yamane T, et al.
Acta Obstet Gynaecol Jpn 1981 May;33(5):619–24 (Eng. Abstr.) (Jpn)
[A measurement of testosterone-binding globulin (TBG) by the use of exchange assay -- dynamics during the pregnancy, labor and puerperal periods and a difference by the fetal sex (author's transl)] Yoshizaki K, et al.
Acta Obstet Gynaecol Jpn 1981 Apr;33(4):461–8 (Eng. Abstr.) (Jpn)
[Study of the serum and urinary estriol levels in late human pregnancy (author's transl)] Ichimaru S, et al.
Horumon To Rinsho 1980 Aug;28(8):957–62 (Jpn)
[Plasma TBG, T3 and T4 levels in the pregnant and non-pregnant women (author's transl)] Suzuki A, et al.
Horumon To Rinsho 1980 Aug;28(8):969–73 (Jpn)
[Clinical and bacteriological study on microbial flora in the vagina: (2) a study on isolation rates of group B streptococci in the vagina of pregnant and non-pregnant women (author's transl)] Ohashi H.
Kansenshogaku Zasshi 1981 Feb;55(2):109–15 (Eng. Abstr.) (Jpn)
[The effect of cardiac surgery on a success rate of postoperative pregnancy--the results of 108 cases of pregnancy after cardiac surgery for congenital and acquired heart diseases (author's transl)] Tanaka N, et al.
Kyobu Geka 1980 Aug;33(8):603–9 (Eng. Abstr.) (Jpn)
[Production and localization of human prolactin in the tissues associated with pregnancy (Report I) (author's transl)] Kasai K, et al. **Nippon Naibunpi Gakkai Zasshi** 1980 Nov; 56(11):1574–80 (Eng. Abstr.) (Jpn)
[Measurement of heat-stable alkaline phosphatase in pregnant woman's serum by an improved measuring method, and re-investigation of its clinical significance as a parameter of placental function (author's transl)] Hayashi S, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1980 Jun;32(6):793–8 (Eng. Abstr.) (Jpn)
[Pathophysiology of the hemodynamics in the pregnant and parturient women with regard to the blood fluidity and coagulatory properties (author's transl)] Imai N, et al.
Nippon Sanka Fujinka Gakkai Zasshi 1980 Sep; 32(9):1194–203 (Jpn)
[Clinical observation of serous ferritin levels in obstetrics and gynecology--relation between maternal, fetal and neonatal

sera (author's transl)] Kokuho K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Nov; 32(11):1775–82 (Eng. Abstr.) **(Jpn)**

[Regulatory mechanisms of hemodynamics in pregnant subjects: relationship between uterine and renal blood circulation (author's transl)] Matsuura S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Sep; 32(9):1204–13 **(Jpn)**

[Gastrointestinal hormones during pregnancy--immunoreactive secretin and gastrin in serum and fetal tissue (author's transl)] Miyagami J, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Jan;32(1):19–26 (Eng. Abstr.) **(Jpn)**

[Studies on the secretory mode of prolactin during pregnancy and puerperium (author's transl)] Morikawa H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Sep; 32(9):1266–80 **(Jpn)**

[Concentration of serum unconjugated estriol and estetrol in pregnant women with intrauterine growth retardation, and significance of these hormones in pregnancy (author's transl)] Muraguchi K. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Jan;33(1):41–50 (Eng. Abstr.) **(Jpn)**

[The dynamics and its clinical significance of complement system, especially alternative pathway related to normal human pregnancy, delivery, puerperium and fetus (author's transl)] Ohhashi T. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Jan;32(1):27–36 (Eng. Abstr.) **(Jpn)**

[SDS-polyacrylamide gel electrophoretic analysis of serum protein in maternal and cord serum (author's transl)] Shimokawa H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Oct; 32(10):1551–6 (Eng. Abstr.) **(Jpn)**

[A study on the immunity of pregnancy. The localization of HCG on the cell membrane of lymphocytes (author's transl)] Shiotsuka Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Jan;33(1):73–7 (Eng. Abstr.) **(Jpn)**

[Immunological responses in pregnancy. The studies on the role of the uterus in gestation and effects to lymphocytes subpopulation (author's transl)] Shiotsuka Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 May; 32(5):577–82 (Eng. Abstr.) **(Jpn)**

[Change of C19–21 steroids levels of maternal serum, amnion and cord plasma by high pressure liquid chromatography (HPLC) (author's transl)] Tojo Y. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Jan;33(1):117–26 (Eng. Abstr.) **(Jpn)**

[Prolactin secretion during normal pregnancy and puerperium, particularly with regard to nursing (author's transl)] Wada Y. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Jul;32(7):891–8 (Eng. Abstr.) **(Jpn)**

[Collagen metabolism in the human cervix during pregnancy, delivery and puerperium (author's transl)] Yamamoto S, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Jul; 32(7):909–18 (Eng. Abstr.) **(Jpn)**

[Prostaglandins in human pregnancy and labor--studies on the levels of PGF2 alpha metabolites and in vitro production of PGE and PGF by uterus and placenta during human pregnancy and labor (author's transl)] Yasumizu T. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Jan;33(1):1–10 (Eng. Abstr.) **(Jpn)**

[Placental transfer and distribution of betamethasone 17,21-dipropionate in various regions of the brain of pregnant rats and mice (author's transl)] Nakano M, et al. **Nippon Yakurigaku Zasshi** 1981 Feb;77(2):165–76 (Eng. Abstr.) **(Jpn)**

[Effects of dehydroepiandrosterone sulfate on serum steroid hormones in pregnant rabbits (author's transl)] Yamashita A, et al. **Nippon Yakurigaku Zasshi** 1981 Feb;77(2):187–94 (Eng. Abstr.) **(Jpn)**

[Diagnosis in the field of obstetrics (author's transl)] Kobayashi M. **Rinsho Hoshasen** 1980;25(10):1115–29 **(Jpn)**

[New record for pregnancy controls] Bergsjø P, et al. **Tidsskr Nor Laegeforen** 1980 Jun 10;100(16):1055–8 (Eng. Abstr.) **(Nor)**

[Pregnancy control] Moe N. **Tidsskr Nor Laegeforen** 1980 Jun 10;100(16):1084–7 (Eng. Abstr.) **(Nor)**

[The effect of past pregnancies on the condition of teeth in women] Zalewska E, et al. **Czas Stomatol** 1980 Aug; 33(8):703–8 (Eng. Abstr.) **(Pol)**

[Prolactin secretion in various physiological and pathological conditions in humans. Summary of the thesis] Jeske W. **Endokrynol Pol** 1980 May-Jun;31(3):285–91 **(Pol)**

[Acid phosphatase activity in the neutrophils and peripheral lymphocytes in normal pregnancy and pregnancies complicated by RH–HR blood group incompatibility and toxemia] Wąs K. **Folia Med Cracov** 1981;22(2):205–33 (66 ref.) (Eng. Abstr.) **(Pol)**

[Determination of chorionic gonadotropins and placental lactogen in monitoring of early pregnancy in women with pregestational ovarian insufficiency] Adamcio-Deptulska M, et al. **Ginekol Pol** 1980 May;51(5):411–23 (Eng. Abstr.) **(Pol)**

[Various carbohydrate metabolites in normal pregnancy and physiological and pathological labor. I. Pregnancy, labor and pregnancy toxemias] Komorowska A, et al. **Ginekol Pol** 1980 Nov;51(11):1009–17 (Eng. Abstr.) **(Pol)**

[Dehydroepiandrosterone and estrogens in normal pregnancy and pregnancy toxemias] Królikowska M, et al. **Ginekol Pol** 1980 Nov;51(11):987–92 (Eng. Abstr.) **(Pol)**

[Course of subsequent pregnancy after conservative and surgical restoration of the ovulatory cycles] Krzysiek J, et al. **Ginekol Pol** 1981 Jan;52(2):159–63 (Eng. Abstr.) **(Pol)**

[Various substrates and energy metabolism enzymes in the myometrium of pregnant women] Laudański T. **Ginekol Pol** 1980 Nov;51(11):981–5 (Eng. Abstr.) **(Pol)**

[Effect of gonadotropin releasing hormone, clomide and L-dopa on the secretion of chorionic gonadotropins, follicle-stimulating hormone and prolactin in the first trimester of uncomplicated pregnancy] Rzempołuch J. **Ginekol Pol** 1981 Jan;52(2):211–4 **(Pol)**

[Monoamine oxidase in human placenta in normal and pathological pregnancy] Turzański L. **Ginekol Pol** 1980 May;51(5):379–88 (Eng. Abstr.) **(Pol)**

[Blood serum dopamine beta-hydroxylase activity in normal pregnancy] Zrubek H, et al. **Ginekol Pol** 1980 Dec; 51(12):1073–8 **(Pol)**

[2 cases of intrauterine pregnancy complicated by tubal pregnancy] Rajs M, et al. **Pol Tyg Lek** 1981 Apr 27; 36(17):603–4 **(Pol)**

[Preliminary studies on the blood and amniotic fluid thyroid hormone levels in the 1st trimester of normal pregnancy] Ujec M, et al. **Wiad Lek** 1980 Nov 1;33(21):1703–6 (Eng. Abstr.) **(Pol)**

[Prognosis of breast cancer associated with pregnancy or lactation] da Silva Neto JB, et al. **AMB** 1981 Jan; 27(1):21–22 (Eng. Abstr.) **(Por)**

[Placental lactogen in a group of normal pregnant women] dos Santos RD, et al. **Rev Paul Med** 1980 Nov-Dec; 96(5–6):100–2 (Eng. Abstr.) **(Por)**

[Heat-stable alkaline phosphatase and total alkaline phosphatase in a group of normal pregnant women] Viecili M, et al. **Rev Paul Med** 1980 Jul-Aug;96(1–2):5–8 (Eng. Abstr.) **(Por)**

[Content of total triiodothyronine in maternal and fetal blood at the end of physiological pregnancy and in labor] Barkhatova TP, et al. **Akush Ginekol (Mosk)** 1980 Aug; (8):17–9 (Eng. Abstr.) **(Rus)**

[Changes in skinfold thickness in the course of normal pregnancy and their relation to fetal weight] Bershtein LM, et al. **Akush Ginekol (Mosk)** 1980 Aug;(8):44–6 (Eng. Abstr.) **(Rus)**

[Mixed maternal and neonatal lymphocyte culture in a normal and a complicated course of pregnancy] Bulienko SD, et al. **Akush Ginekol (Mosk)** 1980 Jul;(7):9–12 (Eng. Abstr.) **(Rus)**

[RNA content and glucose-6-phosphatase activity in subcellular placental fractions in women with an uncomplicated pregnancy] Bulienko SD, et al. **Akush Ginekol (Mosk)** 1980 Dec;(12):9–11 (Eng. Abstr.) **(Rus)**

[Cellular and humoral immunity characteristics in physiologically proceeding pregnancy] Fogel PI. **Akush Ginekol (Mosk)** 1980 Jul;(7):6–9 (Eng. Abstr.) **(Rus)**

[Content of sulfhydryl groups in the maternal-fetal system during pregnancy and labor] Grigorian DZ, et al. **Akush Ginekol (Mosk)** 1980 Aug;(8):19–20 (Eng. Abstr.) **(Rus)**

[Cytochemical background of lymphocytes in normal pregnancy] Zivenko AI, et al. **Akush Ginekol (Mosk)** 1980 Aug;(8):57 **(Rus)**

[Quantitative immunoenzyme method of analyzing embryonal prealbumin (EPA-1) in biological fluids] Kalashnikov VV, et al. **Biull Eksp Biol Med** 1980 Nov; 90(11):628–30 (Eng. Abstr.) **(Rus)**

[Characteristics of pregnancy and labor in women] Kobozeva NV, et al. **Gig Tr Prof Zabol** 1981 Jun;(6):14–6 **(Rus)**

[Pregnancy and labor after radical treatment of breast cancer] Ismailov AKh, et al. **Khirurgiia (Mosk)** 1981 Apr;(4):96–7 **(Rus)**

[Cytochemical studies of the vaginal squamous epithelial cells in pregnancy and threatened abortion] Tolmachev VS. **Lab Delo** 1981;(2):72–4 (Eng. Abstr.) **(Rus)**

[Dynamics of hematologic and ferrokinetic indices in healthy pregnant women, puerperants, and their newborn infants] Kovaleva LA. **Ter Arkh** 1980;52(9):56–9 **(Rus)**

[Comparison of free and membrane-bound polyribosomes of human placenta in different periods of pregnancy] Radzinskiĭ VE, et al. **Ukr Biokhim Zh** 1981 May-Jun; 53(3):38–42 (Eng. Abstr.) **(Rus)**

[Potentials of instrument observation of fetal cardiac activity during pregnancy and labor] Wilken HP, et al. **Vopr Okhr Materin Det** 1980 Jul;25(7):53–5 (Eng. Abstr.) **(Rus)**

[Arias-Stella reaction of endometrial glands in pregnancy] Janjić M, et al. **Srp Arh Celok Lek** 1980 Feb;108(2):149–54 (Eng. Abstr.) **(Scc)**

[Acid-base status in normal pregnancy and in pregnancy with toxicosis] Krstajić N, et al. **Srp Arh Celok Lek** 1979 Nov; 107(11):653–6 **(Scc)**

[Characteristics of pregnant women, labor, and the newborn at the Skopje Clinic from 1978 to 1979] Antonovski L, et al. **Jugosl Ginekol Opstet** 1979 Sep-Dec;19(5–6):313–22 (Eng. Abstr.) **(Scr)**

[Spontaneous recanalization of tubes after surgical sterilization] Bojović S. **Jugosl Ginekol Opstet** 1980 May-Aug;20(3–4):153–6 (Eng. Abstr.) **(Scr)**

[Pulmonary ventilation and carboxyhemoglobin levels in pregnancy] Pullmann R, et al. **Cesk Fysiol** 1981 May; 30(3):277–8 **(Slo)**

[Results obtained by evaluation of haematological examination performed on pregnant and lactating women (author's transl)] Hutníková J, et al. **Cesk Gastroenterol Vyz** 1981 Jul;35(4):163–71 **(Slo)**

[Influence of maternal nutrition on the somatic condition and nutrition of infants (author's transl)] Hutníková J, et al. **Cesk Gastroenterol Vyz** 1980 Jul;34(5):304–10 (Eng. Abstr.) **(Slo)**

[Serotonin (5 hydroxytryptamine) concentration in the blood of pregnant women during normal gravidity (author's transl)] Lukačín S, et al. **Cesk Gynekol** 1980 Aug; 45(7):467–71 (Eng. Abstr.) **(Slo)**

[Perinatal implications of work and rest in pregnancy (author's transl)] Rodríguez-Escudero F, et al. **An Esp Pediatr** 1980 Jun;13(6):465–76 (Eng. Abstr.) **(Spa)**

[Guidelines for the interpretation of weight gain during pregnancy as an indicator of the risk of low birth-weight] Lechtig A, et al. **Bol Of Sanit Panam** 1980 Dec; 89(6):489–95 **(Spa)**

[Obstetrics and perinatal medicine] Karchner S, et al. **Ginecol Obstet Mex** 1980 Nov;48(289):341–54 (Eng. Abstr.) **(Spa)**

[Differences in the circadian excretion of Ac. 5-HIA in pregnant and non pregnant women] Lerdo de Tejada A, et al. **Ginecol Obstet Mex** 1980 May;47(283):299–304 (Eng. Abstr.) **(Spa)**

[Functional renal transplant and pregnancy to term. Description of a case] Rivera Hernández F, et al. **Rev Clin Esp** 1981 Jan 15;160(1):59–61 **(Spa)**

[Assessment of frequency and characterization of HLA specificity in sera from pregnant women (author's transl)] García A, et al. **Sangre (Barc)** 1981;26(1):27–32 **(Spa)**

DRUG EFFECTS

Bromocriptine treatment during early human pregnancy: effect on the levels of prolactin, sex steroids and placental lactogen. Ylikorkala O, et al. **Acta Endocrinol (Copenh)** 1980 Nov;95(3):412–5

Amphetamine addiction and pregnancy. II. Pregnancy, delivery and the neonatal period. Socio-medical aspects. Eriksson M, et al. **Acta Obstet Gynecol Scand** 1981; 60(3):253–9

Sex hormone exposure during pregnancy and malformations. Briggs MH, et al. **Adv Steroid Biochem Pharmacol** 1979; 7:51–89 (169 ref.)

Reproduction effects of occupational exposures. Pries CN. **Am Fam Physician** 1981 Aug;24(2):161–5

Effects of aspirin and acetaminophen in pregnancy and in the newborn. Rudolph AM. **Arch Intern Med** 1981 Feb 23;141(3 Spec No):358–63

The effect of protamine on serum levels of placental protein 5 (PP5) in normal and abnormal pregnancy: a possible relation to coagulation abnormalities. Salem HT, et al. **Br J Obstet Gynaecol** 1981 Apr;88(4):367–70

Effects of vitamin D supplementation in pregnancy. Marya RK, et al. **Gynecol Obstet Invest** 1981;12(3):155–61

Outcome of pregnancies following the use of oral contraceptives. Alberman E, et al. **Int J Epidemiol** 1980 Sep;9(3):207–13

Lipid metabolism in pregnancy. VIII. Effects of dietary fat versus carbohydrate on lipoprotein and hepatic lipids and tissue triglyceride lipases. Childs MT, et al. **Metabolism** 1981 Jan;30(1):27–35

[Muscle relaxants--particularly in pregnancy and during birth] Traub VE, et al. **Klin Anaesthesiol Intensivther** 1980; 22:194–208 (25 ref.) **(Ger)**

[Hormones and pregnancy] von Kreybig T, et al. **Med Monatsschr Pharm** 1980 Feb;3(2):39–46 **(Ger)**

[Cardiovascular and metabolic effects during longtime treatment with beta 2-stimulants (author's transl)] Chimura T, et al. **Acta Obstet Gynaecol Jpn** 1981 Jun;33(6):813–8 (Eng. Abstr.) **(Jpn)**

[Effects of tris (2,3-dibromopropyl) phosphate on the prenatal and postnatal developments of the rats (author's transl)] Kawashima K, et al. **Eisei Shikenjo Hokoku** 1980; 98:50–5 (Eng. Abstr.) **(Jpn)**

[Effect of nicotine on the mother, fetus and newborn infant] Sheveleva GA. **Akush Ginekol (Mosk)** 1980 Aug;(8):3–5 (33 ref.) **(Rus)**

[Beta blockaders and pregnancy. Current concepts] Paradiso JC. **Rev Clin Esp** 1980 Sep 15;158(5):247–9 **(Spa)**

RADIATION EFFECTS

Radiation dose limits for embryo and fetus in occupationally exposed women. NCRP Report No. 53 [letter] Mole RH. **Br J Radiol** 1980 Jun;53(630):608

Exposure to radioiodine in the preconception and conception periods. A case report. Zaltzman S, et al. **Isr J Med Sci** 1980 Dec;16(12):856–8

Management of radiation hazard: radiology in late pregnancy and the neonate. Carmichael JH. **Obstet Gynecol Surv** 1980 Sep;35(9):552–3

[Radiation dose during sequential renal scintigraphy for the determination of 131I-hippuran clearance equivalents during pregnancy (author's transl)] Voigt R, et al. **ROEFO** 1980 Aug;133(2):201–3 (Eng. Abstr.) **(Ger)**

PREGNANCY, ABDOMINAL

Advanced abdominal pregnancies: 2 case reports. Astill AN. **Aust NZ J Obstet Gynaecol** 1980 Nov;20(4):236–9

Primary peritoneal pregnancy implanted on the uterine fundus. Goh TH, et al. **Aust NZ J Obstet Gynaecol** 1980 Nov;20(4):240–1

Full term live infant born of abdominal pregnancy. Singh M, et al. **East Afr Med J** 1980 Nov;57(11):799–800

[Simultaneous intra- and extra- uterine pregnancies (author's transl)] Choukroun J, et al.
J Gynecol Obstet Biol Reprod (Paris) 1981;10(3):231–4 (Eng. Abstr.) **(Fre)**

[Abdominal pregnancy with implantation of the ovum in the wall of the greater omentum] Prozorov SM. **Vestn Khir** 1980 Jun;124(6):91–2 **(Rus)**

DIAGNOSIS

Diagnosis and placental management of a viable term abdominal gestation. Petrie RH, et al.
Diagn Gynecol Obstet 1980 Winter;2(4):299–301

Advanced abdominal pregnancy: case report with a review of the recent literature. Paes EH. **East Afr Med J** 1981 Feb;58(2):142–7

Abdominal pregnancy: a case report. Lindtjørn B, et al.
Ethiop Med J 1981 Jan;19(1):25–7

Advanced abdominal pregnancy. Narone RK, et al.
Med J Zambia 1980 Dec–1981 Jan;15(1):2–5

Pitfalls in sonographic diagnosis of abdominal pregnancy. Ali V, et al. **South Med J** 1981 Apr;74(4):477–9

[Abdominal pregnancy with a malformed uterus (author's transl)] Nahmanovici C.
J Gynecol Obstet Biol Reprod (Paris) 1980;9(3):369–71 (Eng. Abstr.) **(Fre)**

[Twins--intra- and extrauterine alive at term (author's transl)] Hohlweg-Majert P, et al.
Geburtshilfe Fraunheilkd 1981 Apr;41(4):297–8 (Eng. Abstr.) **(Ger)**

[The problem of advanced and full term extrauterine pregnancy] Muschke HE, et al. **Ther Ggw** 1980 Aug; 119(8):891–901 **(Ger)**

[A full-term abdominal pregnancy. (A case report)] Kalamaras E, et al. **Jugosl Ginekol Opstet** 1979 Sep–Dec; 19(5–6):291–4 (Eng. Abstr.) **(Scr)**

PATHOLOGY

[Abdominal pregnancy with implantation of the fertilized egg in the bladder wall] Babadei SA. **Urol Nefrol (Mosk)** 1980 Nov–Dec;(6):45–6 **(Rus)**

PREGNANCY, ANIMAL

see related
ANIMALS, NEWBORN

The fine structure of placental junctional zone cells during prolonged pregnancy in rats. Jollie WP, et al.
Acta Anat (Basel) 1979;105(4):386–400

Studies on the disappearance of palmitate-1-14C from the plasma of pregnant rats. Hummel L, et al.
Acta Biol Med Ger 1980;39(6):681–6

Foetal and maternal plasma adrenaline and noradrenaline concentrations in the late pregnant rat: effects of intra-uterine isotonic saline or uterine handling. Legrand C, et al. **Acta Endocrinol (Copenh)** 1981 Apr;96(4):541–5

Free and bound androgens in the female guinea pig during gestation and after parturition and in the offsprings during the perinatal period. Rigaudière N, et al.
Acta Endocrinol (Copenh) 1980 Sep;95(1):101–9

Polyamine levels in rat placenta during pregnancy. Vanella A, et al. **Acta Eur Fertil** 1980 Mar;11(1):95–8

Thin sectioning and freeze-etching studies of isolated islets of Langerhans of rats in gestation and after hypothalamic lesion. Dorn A, et al. **Acta Histochem [Suppl] (Jena)** 1981; 23:269–73

Peripartal blood profile studies in high-production dairy cows with special regard to reproductive reactivation. Haraszti J, et al. **Acta Vet Acad Sci Hung** 1980; 28(2):197–207

Studies of dietary influence on the healthstate of preparturient cows in two dairy herds. Haraszti J, et al.
Acta Vet Acad Sci Hung 1980;28(2):189–95

Extensive sympathetic denervation of the uterus during pregnancy as evidenced by tyrosine hydroxylase determinations in the guinea pig. Owman C, et al.
Adv Biochem Psychopharmacol 1980;25:313–20

Immunosuppressive activity of rhesus monkey pregnancy serum. Ellingsworth LR, et al. **Am J Obstet Gynecol** 1981 Apr 15;139(8):932–6

Biorhythms of the primate uterus (Macaca mulatta) during labor and delivery. Harbert GM Jr, et al.
Am J Obstet Gynecol 1980 Nov 15;138(6):686–96

Increased pressor activity in incubated plasma of pregnant rabbits. Katz M, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 1):741–4

Uterine blood flow distribution after indomethacin infusion in the pregnant rabbit. Katz M, et al.
Am J Obstet Gynecol 1981 Jun 15;140(4):430–4

Multiple hyperbaric exposures during pregnancy in sheep. Nemiroff MJ, et al. **Am J Obstet Gynecol** 1981 Jul 15; 140(6):651–5

Distribution of cardiac output in the unstressed pregnant guinea pig. Peeters LL, et al. **Am J Obstet Gynecol** 1980 Dec 15;138(8):1177–84

Calcitropic hormone responsiveness during pregnancy. Reynolds WA, et al. **Am J Obstet Gynecol** 1981 Apr 1; 139(7):855–62

Maternofetal electrical potential difference in conscious sheep: effect of fetal death or acidosis. Weedon AP, et al. **Am J Obstet Gynecol** 1980 Oct 15;138(4):422–8

Transcapillary Starling pressures in the fetus, newborn, adult, and pregnant adult. Brace RA, et al. **Am J Physiol** 1981 Jun;240(6):H843–7

Role of aldosterone in sodium retention of pregnancy in the rat. Churchill S, et al. **Am J Physiol** 1981 Mar; 240(3):R175–81

Thermoregulatory ability of female rats during pregnancy and lactation. Knecht EA, et al. **Am J Physiol** 1980 Nov; 239(5):R470–5

Pregnancy blunts pulmonary vascular reactivity in dogs. Moore LG, et al. **Am J Physiol** 1980 Sep;239(3):H297–301

Serologic responses of pregnant thoroughbred mares to vaccination with an inactivated equine herpesvirus 1 vaccine. Bryans JT. **Am J Vet Res** 1980 Nov;41(11):1743–6

Changes in periparturient fecal egg counts in beef cows calving in the spring. Hammerberg B, et al.
Am J Vet Res 1980 Oct;41(10):1686–9

Granulated metrial gland cells at implantation sites of the pregnant mouse uterus. Stewart I, et al.
Anat Embryol (Berl) 1980;160(2):227–38

Halothane requirement during pregnancy and lactation in rats. Strout CD, et al. **Anesthesiology** 1981 Sep;55(3):322–3

Distribution of polychlorobiphenyls in pregnant mice and fetuses on various days of gestation. Török P, et al.
Arch Environ Contam Toxicol 1981;10(3):289–96

Effects of pregnancy and lactation on lymphocytes in the bone marrow of the mouse: a quantitative electron microscopic study. Sasaki K, et al. **Arch Histol Jpn** 1980 Aug;43(3):211–9

Effects of pregnancy and lactation on the peripheral lymphatic tissue in the mouse: qualitative and quantitative morphology. Sasaki K, et al. **Arch Histol Jpn** 1980 Dec; 43(5):423–36

A comparison of arachidonic acid metabolism by microsomes from pregnant rat decidua and myometrium. Downing I, et al. **Arch Int Pharmacodyn Ther** 1980 Sep;247(1):4–20

Behaviour and properties of membrane-bound mouse uterine alkaline phosphatase during early pregnancy. Buxton LE, et al. **Aust J Biol Sci** 1980 Oct;33(5):539–48

Leptospira interrogans serovar hardjo vaccination of pregnant beef cows and subsequent growth rate of progeny. Holroyd RG. **Aust Vet J** 1980 Oct;56(10):481–3

Agonistic behavior between pregnant mice and male intruders. Hedricks C, et al. **Behav Neural Biol** 1981 Feb; 31(2):236–41

Effects of pregnancy on the maintenance of maternal behavior in the rat. Rowland DL. **Behav Neural Biol** 1981 Feb;31(2):225–35

24-Hydroxyvitamin D and 24,25-dihydroxyvitamin D in maternal plasma, fetal plasma and amniotic fluid in the rat. Danan JL, et al. **Biochem Biophys Res Commun** 1980 Jul 16;95(1):453–60

Effect of pregnancy on the uptake of lipoprotein triglyceride fatty acids by isolated adipocytes in the rat. Lasunción MA, et al. **Biochem Biophys Res Commun** 1981 Jan 15; 98(1):227–33

Lipogenesis in interscapular brown adipose tissue of virgin, pregnant and lactating rats. The effects of intragastric feeding. Agius L, et al. **Biochem J** 1980 Aug 15; 190(2):477–80

Effect of pregnancy on hepatic glutathione S-transferase activities in the rat. Polidoro G, et al.
Biochem Pharmacol 1981 Jul 1;30(13):1859–60

Drug metabolism, cytochrome P450 spin state, and phospholipid changes during pregnancy in the rat. Turcan RG, et al. **Biochem Pharmacol** 1981 Jun 1;30(11):1223–5

The effect of pregnancy, ovariectomy and the administration of ethynyloestradiol and oestradiol on the intestinal transfer of folic acid in the rat. Swanston-Flatt SK, et al.
Biochem Soc Trans 1980 Oct;8(5):589–90

The fate in vivo of liposomally entrapped drugs in pregnant rats. Tuzel NS, et al. **Biochem Soc Trans** 1980 Oct; 8(5):559–60

Hepatic metabolism of [1-14C]oleate in pregnancy. Wasfi I, et al. **Biochim Biophys Acta** 1980 Sep 8;619(3):471–81

In vitro response of glycerol metabolism to insulin and adrenaline in adipose tissue from fed and fasted rats during pregnancy. Chaves JM, et al. **Biol Neonate** 1980; 38(3-4):139–45

25-Hydroxyvitamin D3 metabolism in the pregnant rat: maternal-fetal relationship. Lester GE, et al.
Biol Neonate 1981;39(5-6):232–8

Effect of alpha-adrenergic agonist and antagonist infusion on the umbilical and uterine circulations of pregnant sheep. Oakes GK, et al. **Biol Neonate** 1980;38(5-6):229–37

Effect of acute nonsurgical stress on fetal and maternal plasma glucose, glucagon and insulin concentration in sheep. Schreiner RL, et al. **Biol Neonate** 1981;39(1-2):86–90

Hemodynamic responses of the pelvic vascular bed to vasoactive stimuli in pregnant sheep. Tabsh K, et al.
Biol Neonate 1981;39(1-2):52–60

Luteotropic action of decidual tissue in the pregnant rat. Basuray R, et al. **Biol Reprod** 1980 Oct;23(3):507–12

Induced protein and deciduoma formation in rat uterus. Bell SC, et al. **Biol Reprod** 1980 Dec;23(5):935–40

Comparison of serum progesterone, 20 alpha-dihydroprogesterone, and estradiol-17 beta in pregnant and pseudopregnant rabbits: evidence for postimplantation recognition of pregnancy. Browning JY, et al. **Biol Reprod** 1980 Dec;23(5):1014–9

Maternal recognition of pregnancy in the rabbit: effect of conceptus removal. Browning JY, et al. **Biol Reprod** 1981 Mar;24(2):293–7

Role of the uterus and the conceptus in regulating luteal lifespan in the mouse. Critser ES, et al. **Biol Reprod** 1980 Oct;23(3):558–63

Changing functional status of the monkey corpus luteum. diZerega GS, et al. **Biol Reprod** 1980 Sep;23(2):253–63

Ovum transport in pregnant, pseudopregnant, and cyclic rats and its relationship to estradiol and progesterone blood levels. Forcelledo ML, et al. **Biol Reprod** 1981 May; 24(4):760–5

Sites of androgen and estradiol production in the second half of pregnancy in the rat. Gibori G, et al. **Biol Reprod** 1981 Mar;24(2):249–56

Reproduction in mice: resorption of the fetal adrenal cortex in mated female mice. Hollister A, et al. **Biol Reprod** 1981 Mar;24(2):241–4

Factors influencing circular muscle activity in the pregnant rat uterus. Kawarabayashi T, et al. **Biol Reprod** 1981 Mar; 24(2):373–9

Early changes in luteal function associated with the luteotropic effect of testosterone in the pregnant rat. Keyes PL, et al. **Biol Reprod** 1980 Jun;22(5):1142–8

Serum placental lactogen in mice in relation to day of gestation and number of conceptuses. Markoff E, et al. **Biol Reprod** 1981 May;24(4):846–51

Plasma oxytocin during pregnancy and lactation in the cynomolgus monkey. Morris M, et al. **Biol Reprod** 1980 Nov;23(4):782–7

Progesterone levels in the circulating blood of the ovarian and uterine veins during gestation in the mouse. Pointis G, et al. **Biol Reprod** 1981 May;24(4):801–5

Nonsurgical recovery of uterine embryos in the baboon. Pope CE, et al. **Biol Reprod** 1980 Oct;23(3):657–62

Effect of nicotine on oviducal lactate dehydrogenase during early pregnancy in the rat. Rice C, et al. **Biol Reprod** 1980 Sep;23(2):445–51

Dynamics of leukocytes in rat mammary epithelium during pregnancy and lactation. Seelig LL Jr. **Biol Reprod** 1980 Jun;22(5):1211–7

Diurnal variations of active calcium transport in the intestine of pregnant and lactating rat. Wróbel J, et al.
Biomedicine [Express] 1980 Sep–Oct;33(5):143–5

The influence of perinatal undernutrition of twin-bearing ewes on milk yields and lamb performance and the effects of postnatal nutrition on live weight gain and carcass composition. Lawlor MJ, et al. **Br J Nutr** 1981 May; 45(3):579–86

A possible control of food intake during pregnancy in the rat. Morgan B, et al. **Br J Nutr** 1981 Jul;46(1):29–37

Factors affecting prostacyclin formation by the rat pregnant myometrium. El Tahir KE, et al. **Br J Pharmacol** 1980; 71(2):641–9

Progesterone in defatted milk: its relation to insemination and pregnancy in normal cows as compared with cows on problem farms and individual problem animals. Oltner R, et al. **Br Vet J** 1981 Jan;137(1):78–87

Fever response in the guinea pig before and after parturition. Zeisberger E, et al. **Brain Res** 1981 May 18;212(2):379–92

Short-term fluctuations in the concentration of cortisol and progesterone in fetal plasma, maternal plasma, and amniotic and allantoic fluids from sheep during late pregnancy. Challis JR, et al. **Can J Physiol Pharmacol** 1981 Mar; 59(3):261–7

Effects of gestation and lactation on rat gastric fundus. Jolicoeur L, et al. **Can J Physiol Pharmacol** 1981 Feb; 59(2):96–101

Adrenal growth during pregnancy in the bank vole, Clethrionomys glareolus: initiation by mating. Gustafsson TO, et al. **Can J Zool** 1980 Aug;58(8):1458–61

Progesterone levels in peripheral plasma of Rocky Mountain bighorn ewes (Ovis canadensis) during the estrous cycle and pregnancy. Whitehead PE, et al. **Can J Zool** 1980 Jun; 58(6):1105–8

Antitumor effect of the antiestrogen, tamoxifen, ona pregnancy-dependent mouse mammary tumor (TPDMT-4). Matsuzawa A, et al. **Cancer Res** 1981 Jan; 41(1):316–24

Secretion of a progesterone-induced inhibitor of plasminogen activator by the porcine uterus. Mullins DE, et al. **Cell** 1980 Jul;20(3):865–72

Regulatory T cells in pregnancy. V. Allopregnancy-induced T-cell-suppressor factor is H-2 restricted and bears Ia determinants. Chaouat G, et al. **Cell Immunol** 1981 Jul 15; 62(1):186–95

Regulation of hamster splenocyte reactivity to concanavalin A during pregnancy. Weppner WA, et al.
Cell Immunol 1980 Aug 15;54(1):193–202

Reactivity pattern of vasopressin-containing neurons and its relation to the antipyretic reaction in the pregnant guinea pig. Merker G, et al. **Cell Tissue Res** 1980;212(1):47–61

Maternal regulator cells during murine pregnancy. Smith G.
Clin Exp Immunol 1981 Apr;44(1):90–9

Studies of uterine blood flow in the pregnant rabbit. Ferris TF. **Contrib Nephrol** 1981;25:44–8

Antagonism of morphine by naloxone in pregnant ewes and fetal lambs. Cohen MS, et al. **Dev Pharmacol Ther** 1980; 1(1):58–69

Receiving severe aggression correlates with fetal gender in pregnant pigtailed monkeys. Sackett GP. **Dev Psychobiol** 1981 May;14(3):267–72

Blood and plasma glucose relationships during pregnancy, the breeding cycle and development in the rat. Palou A, et al. **Diabete Metab** 1980 Dec;6(4):271–5

Effects of pregnancy and sex steroid administration on skeletal muscle metabolism in the rat. Rushakoff RJ, et al. **Diabetes** 1981 Jul;30(7):545–50

In vivo insulin resistance during pregnancy in the rat. Leturque A, et al. **Diabetologia** 1980;19(6):521–8

The effect of pregnancy and lactation on the elimination of methadone in guinea pigs. Pak RC, et al. **Drug Metab Dispos** 1981 Mar–Apr;9(2):170–1

Steroid metabolism in pregnant hamster. II. The metabolism of androgens by the hamster placenta. Marchut M. **Endocrinol Exp (Bratisl)** 1981;15(2):111–28

Effect of the placenta on the growth and function of artificially formed secondary corpora lutea of pregnancy in rats. Nakamura Y, et al. **Endocrinol Jpn** 1980 Oct; 27(5):607–12

Hepatic insulin and glucagon receptors in pregnancy: their role in the enhanced catabolism during fasting. Baumann G, et al. **Endocrinology** 1981 May;108(5):1979–86

In vivo metabolism of [3H]equilin in the pregnant mare. Bhavnani BR, et al. **Endocrinology** 1981 Jan;108(1):232–8

Evidence for relaxin in corpora lutea of late pregnant cows. Fields MJ, et al. **Endocrinology** 1980 Oct;107(4):869–76

Role of the renin–angiotensin system in maintaining arterial pressure in conscious pregnant rats. Fowler WL Jr, et al. **Endocrinology** 1981 Jul;109(1):290–5

Sequential changes in the pituitary–thyroid axis during pregnancy and lactation in the rat. Fukuda H, et al. **Endocrinology** 1980 Dec;107(6):1711–6

Immunocytochemical localization of catechol-O-methyltransferase in the pregnant rat uterus. Inoue K, et al. **Endocrinology** 1980 Dec;107(6):1833–40

Limited sequence homology between porcine and rat relaxins: implications for physiological studies. John MJ, et al. **Endocrinology** 1981 Feb;108(2):726–9

Interaction of steroids with dexamethasone-binding receptor and corticosteroid-binding globulin in the mammary gland of the mouse in relation to lactation. Lindenbaum M, et al. **Endocrinology** 1981 Aug;109(2):363–75

Progesterone metabolism by the hypothalamus, pituitary, and uterus of the rat during pregnancy. Marrone BL, et al. **Endocrinology** 1981 Jul;109(1):41–5

Immunocytochemical localization of relaxin in endometrial glands of the pregnant guinea pig. Pardo R, et al. **Endocrinology** 1980 Dec;107(6):2110–2

Normal mammary cells in long term culture. I. development of hormone-dependent functional monolayer cultures and assay of alpha-lactalbumin production. Ray DB, et al. **Endocrinology** 1981 Feb;108(2):573–83

Normal mammary cells in long term culture. II. prolactin, corticosterone, insulin, and triiodothyronine effects on alpha-lactalbumin production. Ray DB, et al. **Endocrinology** 1981 Feb;108(2):584–90

Source and regulation of testosterone secretion in pregnant and pseudopregnant rats. Sridaran R, et al. **Endocrinology** 1981 Mar;108(3):855–61

Human chorionic gonadotropin maintains plasma progesterone at pregnancy levels in rhesus monkeys. Thau RB, et al. **Endocrinology** 1981 Sep;109(3):704–7

Homosexual behaviour in prenatally stressed male rats after castration and oestrogen treatment in adulthood. Götz F, et al. **Endokrinologie** 1980;76(1):115–7

An electron microscopical morphometrical study on pinealocytes of pregnant rats. Satodate R, et al. **Endokrinologie** 1980;75(3):285–91

Studies on progesterone receptors during protein malnutrition and maintained pregnancy in rat. Singh RK, et al. **Endokrinologie** 1981;77(1):13–22

Relationship between early pregnancy site in consecutive gestations in mares. Allen WE, et al. **Equine Vet J** 1981 Jan;13(1):51–2

Resistance to growth of 3-methylcholanthrene(3-MC)-induced primary tumours in BALB/c mice following pregnancy or immunization against foetal tissues. Chandradasa KD. **Eur J Cancer** 1980 Sep;16(9):1237–41

Peripheral plasma levels of 12 steroids during pregnancy in the baboon (Papio hamadryas). Goncharov N, et al. **Eur J Obstet Gynaecol Reprod Biol** 1980 Dec;11(3):201–8

Myometrial electrical activity throughout the entire course of pregnancy in the ewe. van der Weyden GC, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Apr;11(5):347–54

Observations on the iron status during pregnancy in rats. Iron transport from mother to fetus. van Eijk HG, et al. **Eur J Obstet Gynaecol Reprod Biol** 1980 Jul;10(6):389–92

Protein anabolism in endometrium and myometrium during the growth of induced deciduoma in rats. Tarachand U, et al. **Experientia** 1980 Oct 15;36(10):1154–6

Effect of silver nitrate on pregnancy termination in cynomolgus monkeys. Dubin NH, et al. **Fertil Steril** 1981 Jul;36(1):106–9

Early pregnancy factor: its role in mammalian reproduction--research review. Smart YC, et al. **Fertil Steril** 1981 Apr;35(4):397–402 (42 ref.)

Antifertility effects of immunization of female baboons with C-terminal peptides of the beta-subunit of human chorionic gonadotropin. Stevens VC, et al. **Fertil Steril** 1981 Jul; 36(1):98–105

Age at first pregnancy and reproductive outcome among colony-born squirrel monkeys (Saimiri sciureus, Brazilian). Taub DM. **Folia Primatol (Basel)** 1980;33(4):262–72

Hormonal and gestational evidence for delayed implantation in the striped skunk, Mephitis mephitis. Wade-Smith J, et al. **Gen Comp Endocrinol** 1980 Dec;42(4):509–15

Effects of food restriction on fetal and placental growth and maternal body composition. Lederman SA, et al. **Growth** 1980 Jun;44(2):77–88

Growth of pika in laboratory confinement. Whitworth MR, et al. **Growth** 1981 Spring;45(1):66–72

Renin in the uterus of pregnant mice. Immunocytochemical, ultrastructural and biochemical studies. Rix E, et al. **Histochemistry** 1980;68(3):253–63

Insulin-resistance during pregnancy and progesterone treatment in the rat. Sutter-Dub MT, et al. **Horm Metab Res** 1981 Mar;13(3):182

Early pregnancy diagnosis in Zebu cows by estimating progesterone concentration in blood serum. Agarwal SP, et al. **Indian J Exp Biol** 1980 Jun;18(6):637–8

A comparison of uterine acid phosphatases of the giant fruit bat Pteropus giganteus giganteus Brünnich during non-pregnant & pregnant state. Jaroli DP, et al. **Indian J Exp Biol** 1980 Aug;18(8):811–3

Uterine prostaglandins E and F levels during pregnancy in the rats. Garg SK. **Indian J Med Res** 1981 Apr;73:637–40

Radioimmunoassay of rabbit luteinizing hormone during pregnancy and following immunization with homologous antibodies to ovine LH. Vakharia DD, et al. **Indian J Med Res** 1981 Apr;73:527–37

Cessation of progesterone secretion by LH-RH in hypophysectomized pregnant and hypophysectomized, prolactin injected pseudopregnant rats. Macdonald GJ, et al. **Int J Fertil** 1980;25(3):198–202

Mobilization of internally deposited plutonium from the rat by pregnancy and lactation. Taylor DM. **Int J Radiat Biol** 1980 Sep;38(3):357–60

On the ultrastructure of the canine mammary gland during pregnancy and lactation. Sinowatz S, et al. **J Anat** 1980 Sep;131(Pt 2):321–32

Comparison of milk and blood plasma progesterone concentrations in cycling and pregnant mares. Gunther JD, et al. **J Anim Sci** 1980 Nov;51(5):1131–8

detection of pregnancy in ewes with the ultrasonic scanopreg. Lane SF, et al. **J Anim Sci** 1981 Mar;52(3):463–7

Effects of gestation feeding level on glycogen reserves and blood parameters in the newborn pig. Ojamaa KM, et al. **J Anim Sci** 1980 Sep;51(3):620–8

Effect of doubling daily energy intake during the last two weeks of pregnancy on pig birth weight, survival and weaning weight. Pond WG, et al. **J Anim Sci** 1981 Mar; 52(3):535–41

Wheat shorts in diets of gestating swine. Young LG, et al. **J Anim Sci** 1981 Mar;52(3):551–6

Maternal and fetal parathyroid hormone responsiveness in pregnant primates. Pitkin RM, et al. **J Clin Endocrinol Metab** 1980 Nov;51(5):1044–7

Osmoregulation during pregnancy in the rat. Evidence for resetting of the threshold for vasopressin secretion during gestation. Durr JA, et al. **J Clin Invest** 1981 Aug; 68(2):337–46

Glucose homeostasis during the perinatal period in normal rats and rats with a glycogen storage disorder. Gain KR, et al. **J Clin Invest** 1981 May;67(5):1569–73

Prostacyclin produced by the pregnant uterus in the dog may act as a circulating vasodepressor substance. Gerber JG, et al. **J Clin Invest** 1981 Mar;67(3):632–6

Effect of angiotensin II on uterine and systemic vasculature in pregnant sheep. Naden RP, et al. **J Clin Invest** 1981 Aug;68(2):468–74

Alterations in thymus and spleen cell populations and immune reactivity during syngeneic pregnancy and lactation. Gambel PI, et al. **J Clin Lab Immunol** 1980 Mar;3(2):115–9

Symposium: conceptus-maternal interactions. **J Dairy Sci** 1980 Sep;63(9):1481–540

Mammary growth pattern in goats during pregnancy and lactation. Anderson RR, et al. **J Dairy Sci** 1981 Mar; 64(3):427–32

Partitioning of nutrients during pregnancy and lactation: a review of mechanisms involving homeostasis and homeorhesis. Bauman DE, et al. **J Dairy Sci** 1980 Sep; 63(9):1514–29 (103 ref.)

Repeatabilities of serum constituents in Holstein-Friesians affected by feeding, age, lactation, and pregnancy. Peterson RG, et al. **J Dairy Sci** 1981 May;64(5):822–31

Uterine uptake of amino acids and placental glutamine--glutamate balance in the pregnant ewe. Holzman IR, et al. **J Dev Physiol** 1979 Apr;1(2):137–49

Oestrogen biosynthesis in the pregnant mare. Bhavnani BR. **J Endocrinol** 1981;89 Suppl:19P–32P

Evidence that a placental factor other than androsterone or dihydrotestosterone inhibits oestrogen-induced lordosis behaviour in pregnant rats. de Greef WJ, et al. **J Endocrinol** 1981 Apr;89(1):13–23

Pancreatic beta-cell function in the fetal foal and mare. Fowden AL, et al. **J Endocrinol** 1980 Nov;87(2):293–301

Cell replication in the islets of langerhans of adult rats: effects of pregnancy, ovariectomy and treatment with steroid hormones. Green IC, et al. **J Endocrinol** 1981 Feb; 88(2):219–24

Placental lactogen in the goat in relation to stage of gestation, number of fetuses, metabolites, progesterone and time of day. Hayden TJ, et al. **J Endocrinol** 1980 Aug;86(2):279–90

Progesterone concentrations in peripheral plasma of non-pregnant and pregnant grey squirrels (Sciurus carolinensis). Tait AJ, et al. **J Endocrinol** 1981 Apr; 89(1):107–16

Acute effects of an antiserum to luteinizing hormone on ovarian steroidogenesis in the pregnant rat. Terranova PF, et al. **J Endocrinol** 1981 Jul;90(1):19–30

Role of the medial-basal hypothalamus in the secretion of growth hormone during pregnancy and lactation in ewes. Wróblewska B, et al. **J Endocrinol** 1981 Jun;89(3):349–54

Effect of cigarette smoke inhalation during pregnancy in Sprague-Dawley rats. Reznik G, et al. **J Environ Pathol Toxicol** 1980 Nov;4(5–6):141–52

Metabolism and distribution of 2,4,5-trichlorophenoxyacetic acid (2,4,5-T) in pregnant mice. Koshakji RP, et al. **J Environ Sci Health [C]** 1979;13(4):315–34

Coat color and gestation length in thoroughbred mares. Dring LA, et al. **J Hered** 1981 Jan–Feb;72(1):65–6

Sialic acid content of serum, urine and leukocytes during pregnancy in the bonnet monkey (Macaca radiata). Rajan R, et al. **J Med Primatol** 1980;9(6):361–7

Effect of folic acid supplementation on pregnancy in the squirrel monkey (Saimiri sciureus). Rasmussen KM, et al. **J Med Primatol** 1980;9(3):169–84

Calcium and phosphorus metabolism in pregnant rats ingesting a high protein diet. Graves KL, et al. **J Nutr** 1980 Dec;110(12):2420–32

Use of deuterium oxide for the in vivo prediction of body composition in female rats in various physiological states. Kanto U, et al. **J Nutr** 1980 Sep;110(9):1840–8

Effect of energy intake during pregnancy and lactation on body composition in rats. Kanto U, et al. **J Nutr** 1980 Sep; 110(9):1829–39

Controlled release of tetracycline--III: A physiological pharmacokinetic model of the pregnant rat. Olanoff LS, et al. **J Pharmacokinet Biopharm** 1980 Dec;8(6):599–620

Feto-maternal histoincompatibility and placental blood flow. Auerbach R, et al. **J Physiol (Lond)** 1980 Oct;307:465–74

The mechanism of the increase in glomerular filtration rate in the twelve-day pregnant rat. Baylis C. **J Physiol (Lond)** 1980 Aug;305:405–14

Effects of pregnancy on glucose handling by rat kidneys. Bishop JH, et al. **J Physiol (Lond)** 1980 Oct;307:491–502

Changes in renal haemodynamics and kidney weight during pregnancy in the unanaesthetized rat. Davison JM, et al. **J Physiol (Lond)** 1980 Apr;301:129–36

Effect of the conceptus on quantitative and qualitative aspects of uterine secretion in pigs. Basha SM, et al. **J Reprod Fertil** 1980 Sep;60(1):41–8

Triacylglycerols in the rat uterine epithelium during the oestrous cycle and early pregnancy. Boshier DP, et al. **J Reprod Fertil** 1981 Jul;62(2):441–6

Ovarian blood flow and progesterone secretion in the anaesthetized rats at day 16 of gestation, and the effects of haemorrhage. Bruce NW, et al. **J Reprod Fertil** 1981 Mar;61(2):419–23

The effect of intra-aortic prostaglandin F-2 alpha on uterine motility in pregnant goats. Cooke RG, et al. **J Reprod Fertil** 1980 Jul;59(2):347–50

Enhanced excitability of the uterus of the pregnant rabbit by imidazole stimulation of cyclic AMP phosphodiesterase. Currie WB. **J Reprod Fertil** 1980 Nov;60(2):369–75

Oestrogen concentrations in systemic plasma of pregnant pygmy goats. Dhindsa DS, et al. **J Reprod Fertil** 1981 May; 62(1):99–103

Plasma prolactin levels in sows during pregnancy, parturition and early lactation. Dusza L, et al. **J Reprod Fertil** 1981 Jan;61(1):131–4

Oestrogen sulphatase and sulphotransferase activities in the endometrium of the sow and ewe during pregnancy. Dwyer RJ, et al. **J Reprod Fertil** 1980 Sep;60(1):187–91

In-vivo and in-vitro studies on the effects of maternal fasting during embryonic organogenesis in the rat. Ellington SK. **J Reprod Fertil** 1980 Nov;60(2):383–8

Radiolabelled uterine proteins during early pregnancy and pseudopregnancy in mice after unilateral ovariectomy and superovulation. Fishel SB. **J Reprod Fertil** 1980 Jul; 59(2):473–8

Hydroxysteroid dehydrogenases in the ovine endometrium and trophoblast. Flood PF, et al. **J Reprod Fertil** 1981 Jan; 61(1):47–52

Blood flow to the corpus luteum-bearing ovary and ipsilateral uterine horn of cows during the oestrous cycle and early pregnancy. Ford SP, et al. **J Reprod Fertil** 1981 Jul;62(2):555–62

Plasma concentrations of progesterone and 13,14-dihydro-15-keto-prostaglandin F-2 alpha at parturition in the bandicoot, Isoodon macrourus. Gemmell RT, et al. **J Reprod Fertil** 1980 Sep;60(1):253–6

Immunochemical characterization and serum concentrations of pregnancy-associated serum proteins in mice. Hau J, et al. **J Reprod Fertil** 1980 Mar;58(2):389–93

Corpus luteum maintenance during early pregnancy in the cow. Lukaszewska J, et al. **J Reprod Fertil** 1980 Jul; 59(2):485–93

Male-pheromone effect on the efficiency of pregnancy in female mice. Marchlewska-Koj A, et al.

J Reprod Fertil 1980 Mar;58(2):363–7

Pregnancy block elicited by male urinary peptides in mice. Marchlewska-Koj A. **J Reprod Fertil** 1981 Jan;61(1):221–4

Oestrous behaviour, follicular growth and ovulation during pregnancy in the hare (Lepus europaeus). Martinet L. **J Reprod Fertil** 1980 Jul;59(2):441–5

Regulation of progesterone secretion by LH and prolactin during the first half of pregnancy in the mouse. Mednick DL, et al. **J Reprod Fertil** 1980 Sep;60(1):201–7

Prostaglandins in the umbilical and uterine circulations during late pregnancy in the ewe. Mitchell MD, et al. **J Reprod Fertil** 1980 Mar;58(2):283–7

Stimulation of maternal anti-lymphocyte antibodies by first gestation bovine fetuses. Newman MJ, et al. **J Reprod Fertil** 1980 Sep;60(1):237–41

Activities of some metabolic enzymes in the small intestinal mucosa during pregnancy and lactation in the rat. Palmer MF, et al. **J Reprod Fertil** 1980 Sep;60(1):231–6

Endocytosis at the basal and lateral membranes of rat uterine epithelial cells during early pregnancy. Parr MB. **J Reprod Fertil** 1980 Sep;60(1):95–9

Plasma concentrations of oestrone, progesterone and corticosteroids during late pregnancy and after parturition in the harbour seal, Phoca vitulina. Raeside JI, et al. **J Reprod Fertil** 1981 Jan;61(1):135–9

Biological functions and receptor binding activities of equine chorionic gonadotrophins. Stewart F, et al. **J Reprod Fertil** 1981 Jul;62(2):527–36

Ovine placental lactogen in the cotyledonary and intercotyledonary placenta of the ewe. Watkins WB, et al. **J Reprod Fertil** 1980 Mar;58(2):411–4

Luteal LH receptors during the oestrous cycle and early pregnancy in the pig. Ziecik A, et al. **J Reprod Fertil** 1980 Sep;60(1):129–37

Immunological reactivity of maternal lymphocytes during normal pregnancy in the rat. McCullagh P. **J Reprod Immunol** 1981 May;3(1):29–40

Immunological responsiveness of maternal and foetal lymphocytes during normal pregnancy in the ewe. Miyasaka M, et al. **J Reprod Immunol** 1981 May;3(1):15–27

Influence of progesterone and pregnancy on canine fibrinogen values. Gentry PA, et al. **J Small Anim Pract** 1981 Apr;22(4):185–94

UDPGA-dependent estrogen glucuronyltransferase of guinea-pig uterus: assay, temporal relationships in pregnancy and some characteristics. Hobkirk R, et al. **J Steroid Biochem** 1980 Sep;13(9):1039–45

Estrogen receptors and estrogen-induced gene expression in the rat mammary glands and uteri during pregnancy and lactation: changes in progesterone receptor and RNA polymerase activity. Mohla S, et al. **J Steroid Biochem** 1981 Jun;14(6):501–8

Steroid excretion during the reproductive cycle and in pregnanacy of the vervet monkey (Cercopithecus aethiopus pygerythrus). Setchell KD, et al. **J Steroid Biochem** 1980 Jan;12:375–84

Detection of macaque chorionic gonadotropin in the placenta of the cynomolgus monkey (Macaca Fascicularis). Fujiwara T, et al. **Jpn J Med Sci Biol** 1980 Dec; 33(6):303–10

Renal hemodynamics and volume homeostasis during pregnancy in the rat. Alexander EA, et al. **Kidney Int** 1980 Aug;18(2):173–8 (36 ref.)

Sheep breeding program for the year-round production of timed pregnancies for experimental foetal surgery. Grant CG, et al. **Lab Anim** 1980 Oct;14(4):317–21

Pregnancy concurrent with lactation in the Mongolian gerbil (Meriones unguiculatus). Norris ML, et al. **Lab Anim** 1981 Jan;15(1):21–3

Mating method to produce accurate timed pregnancies in rats. Bertholet JY. **Lab Anim Sci** 1981 Apr;31(2):180

Possible mechanism of success of an allotransplantation in nature: mammalian pregnancy. Mukherjee AB, et al. **Med Hypotheses** 1980 Oct;6(10):1043–55

Mevalonate metabolism in pregnant rats. Feingold KR, et al. **Metabolism** 1980 Sep;29(9):285–91

Carbohydrate metabolism in pregnancy XVI: longitudinal estimates of the effects of pregnancy on D-(63H) glucose and D-(6-14C) glucose turnovers during fasting in the rat. Ogata ES, et al. **Metabolism** 1981 May;30(5):487–92

Diet, pregnancy, and lactation: effects on adipose tissue, lipoprotein lipase, and fat cell size. Steingrimsdottir L, et al. **Metabolism** 1980 Sep;29(9):837–41

Regulation of adipocyte insulin receptor number and metabolism during late-pregnancy. Flint DJ, et al. **Mol Cell Endocrinol** 1980 Nov;20(2):101–11

The maternal immune system during pregnancy and its age-related changes in rodents. Holinka C. **Mt Sinai J Med (NY)** 1980 Sep-Oct;47(5):461–73

Sister-chromatid exchange analyses in rodent maternal, embryonic and extra-embryonic tissues: transplacental and direct mutagen exposures. Allen JW, et al. **Mutat Res** 1981 Feb;80(2):297–311

Major anti-paternal alloantibody induced by murine pregnancy is non-complement-fixing IgG1. Bell SC, et al. **Nature** 1980 Nov 27;288(5789):387–8

Unusual maternal--fetal blood glucose concentrations in Weddell seal. Hochachka PW, et al. **Nature** 1979 Feb 1; 277(5695):388–9

Selective suppression of IgE antibody responsiveness by maternal influence. Jarrett E, et al. **Nature** 1979 Jul 12; 280(5718):145–7

Abolition of seasonal embryonic diapause in a wallaby by pineal denervation. Renfree MB, et al. **Nature** 1981 Sep 10;293(5828):138–9

The comparative actions of uterine inhibiting drugs in the pregnant rat. Chimura T. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Nov; 32(11):1873–8

Effects of reduction of placental size in sheep. Worthington D, et al. **Obstet Gynecol** 1981 Aug;58(2):215–21

Phosphatidic acid phosphohydrolase and phospholipids in tracheal and amniotic fluids during normal ovine pregnancy. Rosenfeld CR, et al. **Pediatr Res** 1980 Jul; 14(7):891–3

Decreased ethanol consumption as a function of pregnancy and lactation in C57BL mice. Randall CL, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:149–53

Ornithine decarboxylase activity and polyamine content of the placenta and decidual tissue in the rat. Hoshiai H, et al. **Placenta** 1981 Apr-Jun;2(2):105–16

Tubulin content and assembly states in guinea pig mammary gland during pregnancy, lactation, and weaning. Guerin MA, et al. **Proc Soc Exp Biol Med** 1980 Oct;165(1):50–4

Effects of pregnancy and streptozotocin diabetes on hepatic fatty acid metabolism. Wasfi I, et al. **Proc Soc Exp Biol Med** 1981 Mar;166(3):330–4

Gestational changes in the progesterone and prostaglandin F levels of the guinea-pig. Csapo AI, et al. **Prostaglandins** 1981 Jan;21(1):53–64

A study of prostaglandin F2 alpha as the luteolysin in swine: V. Comparison of prostaglandin F, progestins, estrone and estradiol in uterine flushings from pregnant and nonpregnant gilts. Zavy MT, et al. **Prostaglandins** 1980 Nov;20(5):837–51

The utilization of lactic acid by sheep in late pregnancy. Faichney GJ, et al. **Q J Exp Physiol** 1981 Jul;66(3):195–201

Effects of pregnancy on the febrile responses in sheep. Heap RB, et al. **Q J Exp Physiol** 1981 Apr;66(2):129–44

Effect of dietary linoleic and linolenic acids on gestation and parturition in the rat. Leat WM, et al. **Q J Exp Physiol** 1981 Apr;66(2):99–103

Removal of corpora lutea in pregnant goats: effect of intrauterine indomethacin. Cooke RG, et al. **Res Vet Sci** 1980 Jul;29(1):77–84

Effects of placental weight and maternal nutrition on the growth rates of individual fetuses in single and twin bearing ewes during late pregnancy. Mellor DJ, et al. **Res Vet Sci** 1981 Mar;30(2):198–204

The metabolic activity of bovine adipocytes before and after parturition. Pike BV, et al. **Res Vet Sci** 1980 Jul; 29(1):108–10

Comparison of measurements of glucose flux rates in wethers and in pregnant and lactating ewes using C14 and H3 labelled tracers. Wilson S, et al. **Res Vet Sci** 1981 Mar; 30(2):205–12

Uterine oxygen uptake in the pregnant Pygmy goat. Bissonnette JM, et al. **Respir Physiol** 1980 Dec;42(3):373–81

Pressure-volume characteristics of lungs of rats during pregnancy and postpartum. Faridy EE. **Respir Physiol** 1981 Jan;43(1):43–58

Endorphin-mediated increases in pain threshold during pregnancy. Gintzler AR. **Science** 1980 Oct 10; 210(4466):193–5

Estradiol and progesterone profiles indicate a lack of endocrine recognition of pregnancy in the opossum. Harder JD, et al. **Science** 1981 Jun 19;212(4501):1400–2

Superovulation and embryo transfer in cattle. Seidel GE Jr. **Science** 1981 Jan 23;211(4480):351–8

Resource partitioning during reproduction in the Norway rat. Woodside B, et al. **Science** 1981 Jan 2;211(4477):76–7

Maternal plasma glucose concentration and fetal breathing movements: a review. Natale R. **Semin Perinatol** 1980 Oct; 4(4):287–93 (36 ref.)

Effect of maternal administration of the antiestrogen ethamoxytriphetol throughout the last third of baboon gestation upon neonatal corticoid production. Albrecht ED, et al. **Steroids** 1981 Jan;37(1):45–50

Serum progesterone and corpus luteum function in pregnant pigtailed monkeys (Macaca nemestrina). Chandrashekar V, et al. **Steroids** 1980 Oct;36(4):483–95

Vitamin D3 sulfoconjugate in pregnant and lactating mother rats after dosing with 3H vitamin D3. Le Boulch N, et al. **Steroids** 1980 Jul;36(1):21–6

Creep testing of isolated cervix from pregnant rats. Hollingsworth M, et al. **Symp Soc Exp Biol** 1980;34:477–8

The natural elimination of sporadically malformed mouse embryos. Kalter H. **Teratology** 1980 Oct;22(2):201–5

Microchimerism in pregnant mice. Liegeois A, et al. **Transplant Proc** 1981 Mar;13(1 Pt 2):1250–2

Factors affecting the gestation period of pigs in Nigeria. Leigh AO. **Trop Anim Health Prod** 1981 May;13(2):87–93

Hormonal control of early pregnancy in the mare. Allen WR. **Vet Clin North Am [Large Anim Pract]** 1980 Nov; 2(2):291–302

Factors associated with the maternal recognition of pregnancy in mares. Sharp DC. **Vet Clin North Am [Large Anim Pract]** 1980 Nov; 2(2):277–90

Effect of parity and season of farrowing on the subsequent farrowing interval of sows. Hurtgen JP, et al. **Vet Rec** 1981 Jan 10;108(2):32–4

Plasma progesterone levels during late pregnancy in goats. Jain GC, et al. **Zentralbl Veterinaermed [A]** 1980; 27(6):513–6

Progesterone in milk fat of buffaloes during the oestrous cycle and early pregnancy. Suri AK, et al. **Zentralbl Veterinaermed [A]** 1980;27(9–10):702–7

[Evaluation of variability of duration of pregnancy in mares] Dušek J, et al. **Vet Med (Praha)** 1981;26(5):297–304 (Eng. Abstr.) **(Cze)**

[Induction and synchronization of pregnancy in cows] Jiran E, et al. **Vet Med (Praha)** 1981;26(6):329–35 (Eng. Abstr.) **(Cze)**

[Lecithin and sphingomyelin in amniotic fluid in late pregnancy in dairy cows] Toulová M, et al. **Vet Med (Praha)** 1981 Mar;26(3):129–34 (Eng. Abstr.) **(Cze)**

[Superfetation of spontaneous superfetation and double parturition in an ewe (author's transl)] Schuyt G. **Tijdschr Diergeneeskd** 1981 Feb 1;106(3):125–7 (Eng. Abstr.) **(Dut)**

[Transfer of an embryo in sheep under field conditions (author's transl)] Cysouw CJ, et al. **Tijdschrift Voor Diergeneeskd** 1981 May 15;106(10):515–8 (Eng. Abstr.) **(Dut)**

[Femur development during lactation in rats whose mothers had undergone vitamin A treatment on the 10th day of gestation. Morphologic and morphometric study] Abreu Rays MA, et al. **Acta Anat (Basel)** 1981 Jan;109(1):89–96 (Eng. Abstr.) **(Fre)**

[Insulin resistance during pregnancy (author's transl)] Leturque A, et al. **Ann Endocrinol (Paris)** 1980 Nov–Dec; 41(6):573–8 (25 ref.) (Eng. Abstr.) **(Fre)**

[Evidence, in vitro, of estrone and estradiol-17 beta 3-sulfoconjugate hydrolysis in the uterus of pregnant guinea pigs] Adessi GL, et al. **C R Acad Sci [D] (Paris)** 1981 Mar 2;292(9):609–12 (Eng. Abstr.) **(Fre)**

[Measurement of pancreatic blood flow in female rats by the 133Xe technique : influence of gestation and the immediate effect of estradiol] Faure A, et al. **C R Acad Sci [D] (paris)** 1981 May 4;292(16):923–6 (Eng. Abstr.) **(Fre)**

[Insulin and cortisol levels in blood plasma and adrenal gland mass in swine during the perinatal period] Brenner KV, et al. **Arch Exp Veterinaermed** 1981;35(2):211–21 (Eng. Abstr.) **(Ger)**

[Iron, iron-binding capacity, copper and protein in blood plasma and hemoglobin in the blood of sows before and during pregnancy] Hofmann U, et al. **Arch Exp Veterinaermed** 1980;34(6):943–54 (Eng. Abstr.) **(Ger)**

[Follow-up studies on the behavior of mineral metabolic parameters with particular reference to the degree of skeletal minearlization in the milch cow in the period 4 weeks ante- to 16 weeks postpartum] Schröter J, et al. **Arch Exp Veterinaermed** 1980;34(2):291–8 (Eng. Abstr.) **(Ger)**

[Bacteriological findings in bovine genitalia during puerperium. II. Relationship to uterus involution, ovarian activity, the state of cervical mucus and fertility] Luginbühl A, et al. **Schweiz Arch Tierheilkd** 1980 Dec;122(12):695–705 (Eng. Abstr.) **(Ger)**

[Effect of the stage of lactation and pregnancy on the hematological and clinicochemical parameters in the diary cow] Stämpfli G, et al. **Schweiz Arch Tierheilkd** 1981 Apr; 123(4):189–205 (Eng. Abstr.) **(Ger)**

[Fecal excretion and apparent absorption of copper, zinc nickel and manganese in nonpregnant and pregnant sows with differing dietary supplies of trace elements] Kirchgessner M, et al. **Z Tierphysiol Tierernaeher Futtermittelkd** 1980; 44(2):98–111 (Eng. Abstr.) **(Ger)**

[Influence of the copper supply of sows during pregnancy and lactation on the copper and iron status of their piglets] Mader H, et al. **Z Tierphysiol Tierernaeher Futtermittelkd** 1980; 44(2):113–20 (Eng. Abstr.) **(Ger)**

[Effect of stress during pregnancy on reproductive fitness, growth and open field behavior of genetically different mice strains. Short communication] Schüler L, et al. **Z Versuchstierkd** 1981;23(1):42–5 (Eng. Abstr.) **(Ger)**

[Effect of diet with different protein content on rats during gestation: repercussion on pregnancy development and litter size. Preliminary note] Greco AM, et al. **Boll Soc Ital Biol Sper** 1979 Dec 30;55(24):2582–8 (Eng. Abstr.) **(Ita)**

[Influence of pregnancy on learning capacity in the rat] Marino A, et al. **Boll Soc Ital Biol Sper** 1979 Jan 15; 55(1):42–8 **(Ita)**

[Effect of human chorionic somatomammotropin on release of glucose by perfused rat liver (author's transl)] Deguchi M, et al. **Acta Obstet Gynaecol Jpn** 1980 Dec; 32(12):1889–906 (Eng. Abstr.) **(Jpn)**

[Study on passive immunization for biological action of oxytocin (author's transl)] Nagai T, et al. **Acta Obstet Gynaecol Jpn** 1981 Jun;33(6):793–8 (Eng. Abstr.) **(Jpn)**

[Effect of oxytocin administration on prostaglandin concentrations in uterine and placental tissues of pregnant rabbit (author's transl)] Nagata I, et al. **Acta Obstet Gynaecol Jpn** 1981 Apr;33(4):455–60 (Eng. Abstr.) **(Jpn)**

[Quantitative morphological studies of effects of pregnancy, parturition and lactation on omental milk spots in the mouse

(author's transl)] Takemori N, et al. **Hokkaido Igaku Zasshi** 1980 Sep;55(5):403-7 (Eng. Abstr.) **(Jpn)**

[In vitro and in vivo studies on cytodifferentiation of anterior pituitary cells (author's transl)] Ishikawa H, et al. **Horumon To Rinsho** 1980 Apr;28(4):360-74 **(Jpn)**

[Studies on the pheromonal pregnancy block in the mice. I. Strain differences of mice in pheromonal pregnancy block (author's transl)] Furudate S, et al. **Jikken Dobutsu** 1980 Jul;29(3):341-4 (Eng. Abstr.) **(Jpn)**

[Studies on entero hepatic circulation of urea nitrogen in pregnant rat (author's transl)] Ejiri K. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 May; 32(5):601-10 (Eng. Abstr.) **(Jpn)**

[Changes of the contraction of the circular and longitudinal muscles of pregnant rat myometrium during pregnancy (author's transl)] Matsumoto J. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Nov; 32(11):1749-57 (Eng. Abstr.) **(Jpn)**

[Lipid metabolism in pregnancy, metabolism of intravenously injected fat emulsion (author's transl)] Yoshioka T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Jan;33(1):34-40 (Eng. Abstr.) **(Jpn)**

[Phagocytic and transport capacity of peritoneal fluid cells in pregnant mice] Soszka S, et al. **Pol Tyg Lek** 1980 Aug 25;35(34):1297-9 (Eng. Abstr.) **(Pol)**

[Karyometric study of leiomyocytes of the inner muscle layer of the rat uterus at 6, 12 and 18 days of pregnancy] de Teves DC. **Rev Bras Biol** 1980 Aug;40(3):557-60 (Eng. Abstr.) **(Por)**

[Effect of acupuncture on uterine contractile activity and on the fetal functional state in pregnant animals] Filimonov VG, et al. **Akush Ginekol (Mosk)** 1980 Dec;(12):24-6 **(Rus)**

[Stimulating effect of pregnancy on the growth of cervical cancer] Urmancheeva AF, et al. **Akush Ginekol (Mosk)** 1981 Jan;(1):53-5 **(Rus)**

[Experimental study of the effect of the stage of pregnancy on growth-regulating properties of female sera] Orlova II, et al. **Biull Eksp Biol Med** 1980 Sep;90(9):363-5 (Eng. Abstr.) **(Rus)**

[Syrian hamster sensitivity to tumor cell inoculation in the period of pregnancy and nursing the cubs] Vendrov EL. **Biull Eksp Biol Med** 1980 Aug;90(8):201-3 (Eng. Abstr.) **(Rus)**

[Immunochemical characteristics of alpha 2-globulin from the rat 'pregnancy zone' in ontogeny] Krivonosov SK, et al. **Ontogenez** 1980;11(5):539-42 (11 ref.) (Eng. Abstr.) **(Rus)**

[T-lymphocyte reactivity in inbred mice during pregnancy] Fediuk EA. **Tsitol Genet** 1980 Sep-Oct;14(5):68-72 (Eng. Abstr.) **(Rus)**

[Dynamics of selenium in the blood serum of sows after a supplementary feeding dose of vitamin E and selenium during pregnancy] Vrzgula L, et al. **Vet Med (Praha)** 1980 Jul;25(7):391-6 (Eng. Abstr.) **(Slo)**

[The effect of the addition of vitamin E and selenium to sow feed ration on the concentration of vitamin E in the blood serum of piglets] Vrzgula L, et al. **Vet Med (Praha)** 1980 Jul;25(7):397-403 (Eng. Abstr.) **(Slo)**

[Biosynthesis of DNA in the liver of pregnant rats: role of thymidylate synthetase] Montañés I, et al. **Rev Clin Esp** 1980 Nov 15;159(3):167-9 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

The effect of bromocriptine during early pregnancy in the rat: inhibition of implantation. Müller U, et al. **Acta Endocrinol (Copenh)** 1980 Jun;94(2):268-72

Effects of conjugated estrogens on ripening of uterine cervix in nonpregnant castrated and pregnant rats. Saito Y, et al. **Acta Obstet Gynaecol Jpn** 1981 Feb;33(2):292-300

Sex hormone exposure during pregnancy and malformations. Briggs MH, et al. **Adv Steroid Biochem Pharmacol** 1979; 7:51-89 (169 ref.)

Effects of dietary lead and zinc [letter] Cerklewski FL. **Am J Obstet Gynecol** 1981 Jan 15;139(2):232-3

Effect of volume expansion on pressor response to angiotensin II in pregnant ewes. Matsuura S, et al. **Am J Physiol** 1981 Jun;240(6):H908-13

Chenodeoxycholic acid (CDCA) versus ursodeoxycholic acid (UDCA): a comparison of their effects in pregnant rats. Celle G, et al. **Arch Int Pharmacodyn Ther** 1980 Jul; 246(1):149-58

Effect of indomethacin and aspirin on uterine activity in pregnant rats: comparison of circular and longitudinal muscle. Anderson GF, et al. **Biol Reprod** 1981 Mar; 24(2):359-72

Effect of epsilon amino caproic acid, a fibrinolytic inhibitor, on implantation and fetal viability in the rat. Dubin NH, et al. **Biol Reprod** 1980 Oct;23(3):553-7

Effect of anti-androgen and 5 alpha-reductase inhibitor on hormone-induced sexual behavior during pregnancy in the rat. Erskine MS, et al. **Biol Reprod** 1980 Nov;23(4):767-75

Effects of prostaglandin F2 alpha, indomethacin, and estradiol on ovum transport and pregnancy in the golden hamster. Thomas CM, et al. **Biol Reprod** 1980 Nov; 23(4):687-98

Maternal and paternal chronic exposure to enflurane and halothane: fetal and histological changes in the rat. Halsey MJ, et al. **Br J Anaesth** 1981 Mar;53(3):203-15

Effect of ethyl alcohol on maternal and fetal acid-base balance and cardiovascular status in chronic sheep preparations. Cook PS, et al. **Br J Obstet Gynaecol** 1981 Feb;88(2):188-94

Plasma levels and cardiovascular effect of nitroglycerin in pregnant sheep. de Rosayro M, et al. **Can Anaesth Soc J** 1980 Nov;27(6):560-4

Unilaterally ovariectomized pregnant mice: dieldrin induction of the hepatic monooxygenases and plasma progesterone levels. Virgo BB. **Can J Physiol Pharmacol** 1980 Jun;58(6):638-42

The effect of SAR1ALA8 AII on ovine uterine and umbilical blood flow. McLaughlin MK, et al. **Clin Exp Hypertens** 1980;2(5):851-63

A new non-hormonal pregnancy-terminating agent. Galliani G, et al. **Contraception** 1981 Feb;23(2):163-80

Prototype for a new class of antifertility agents, 3,5-Bis (dimethylamino)-1,2,4,-dithiazolium chloride. Hahn DW, et al. **Contraception** 1980 May;21(5):529-35

Studies on the mechanism of the antifertility activity of human chorionic gonadotropin in rodents. Hahn DW, et al. **Contraception** 1980 May;21(5):551-60

Progesterone and insulin-resistance in the pregnant rat. I. In vivo and in vitro studies. Sutter-Dub MT, et al. **Diabete Metab** 1981 Jun;7(2):97-104

Luteinizing hormone-releasing hormone (LHRH) and LHRH agonist termination of pregnancy in hypophysectomized rats: extrapituitary site of action. Bex FJ, et al. **Endocrinology** 1981 Jan;108(1):273-80

Obligatory role of luteinizing hormone (LH) in the initiation of preovulatory follicular growth in the pregnant rat: specific effects of human chorionic gonadotropin and follicle-stimulating of hormone on LH receptors and steroidogenesis in theca, granulosa, and luteal cells. Bogovich K, et al. **Endocrinology** 1981 Sep;109(3):860-7

Angiotensin II and [Sar1, Ile5, Ala8]angiotensin II effect on contractile activity and prostaglandin production of in vitro pregnant rat uteri. Dubin NH, et al. **Endocrinology** 1980 Dec;107(6):1855-60

Vitamin D3 metabolite injections to thyroparathyroidectomized pregnant rats: effects on calcium-binding proteins of maternal duodenum and of fetoplacental unit. Garel JM, et al. **Endocrinology** 1981 Jul; 109(1):284-9

Antireproductive effects of a potent GnRH antagonist in the female rat. Rivier C, et al. **Endocrinology** 1981 Apr; 108(4):1425-30

Uterine morphology and glycogen deposition of pregnant rats after clomiphene citrate treatment during preimplantation stages. Poteat WL. **Experientia** 1981 Jan 15;37(1):84-6

Blood pressure and pressor response to angiotensin II during pregnancy and nursing in the rabbit. Katz M, et al. **Gynecol Obstet Invest** 1981;12(4):211-9

Transplacental, biological & metabolic effects of isoniazid (INH) in Swiss mice. Menon MM, et al. **Indian J Exp Biol** 1980 Oct;18(10):1104-6

Chlorpromazine inhibition of the pheromonal block to pregnancy (the Bruce effect) in mice. Sahu SC, et al. **Indian J Exp Biol** 1980 Sep;18(9):1025-7

Cholesterol & free-fatty acids biosynthesis during protein malnutrition & steroid maintained pregnancy in rats. Singh RK, et al. **Indian J Exp Biol** 1980 Oct;18(10):1086-9

Effect of dexamethasone on the natality of preparturient pronghorn antelope does. Reynolds TD, et al. **J Am Vet Med Assoc** 1980 Nov 1;177(9):943-5

Effect of gonadotropin dose and postpartum status on induced ovulation and pregnancy in lactating sows. Hodson HH Jr, et al. **J Anim Sci** 1981 Apr;52(4):688-95

Effect of indomethacin dexamethasone-induced parturition in swine. Nara BS, et al. **J Anim Sci** 1981 Apr;52(4):788-93

Effects of inhibiting prolactin secretion on the maintenance of embryonic diapause in the suckling rat. Gosden RG, et al. **J Endocrinol** 1981 Feb;88(2):197-203

Influence of a low carbohydrate diet on performance of pregnant and lactating dogs. Romsos DR, et al. **J Nutr** 1981 Apr;111(4):678-89

Comparison of the toxic effects of dehydroheliotridine and heliotrine in pregnant rats and their embryos. Peterson JE, et al. **J Pathol** 1980 Aug;131(4):339-55

Outcome of pregnancy in rats chronically exposed to 1-alpha-acetylmethadol (LAAM). Lichtblau L, et al. **J Pharmacol Exp Ther** 1981 Aug;218(2):303-8

Effect of oestrogen on pregnancy of guinea-pigs. Evans JJ, et al. **J Reprod Fertil** 1981 May;62(1):205-11

Effect of RMI 12,936 on early pregnancy in mice. Parthasarathy G, et al. **J Reprod Fertil** 1981 Jul; 62(2):499-503

Placental production of progesterone in ovariectomized goats treated with a synthetic progestagen to maintain pregnancy. Sheldrick EL, et al. **J Reprod Fertil** 1980 Nov;60(2):339-48

Effects of fusarenon-X, a trichothecene produced by Fusarium nivale, on pregnant mice and their fetuses. Ito Y, et al. **Jpn J Exp Med** 1980 Jun;50(3):167-72

Effect of serotonin on uterine blood flow in pregnant and nonpregnant sheep. Clark KE, et al. **Life Sci** 1980 Dec 22-29;27(25-26):2655-61

Metabolic response to starvation. I. Relative effects of pregnancy and sex steroid administration in the rat. Morrow PG, et al. **Metabolism** 1981 Mar;30(3):268-73

Effects of bromocriptine administration to pregnant rabbits upon fetal lung maturation. Giussi GA, et al. **Pediatr Res** 1981 May;15(5):850-2

In utero analysis of sister chromatid exchange: alterations in suscptibility to mutagenic damage as a function of fetal cell type and gestational age. Kram D, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4784-7

Effects of (15S)-15-methyl prostaglandin E2 alpha methyl ester and estrogens upon the corpus luteum and conceptus of the rhesus monkey. Wilks JW. **Prostaglandins** 1980 Nov; 20(5):807-23

Inhibition of ovulation and fertilization by indomethacin and effect of prostaglandin-F2 alpha on early pregnancy in the rabbit. Lau IF, et al. **Prostaglandins Med** 1979 Jun; 2(6):425-31

Effects of prostaglandin-F2 alpha and a plant protein 'Trichosanthin', on 10-day pregnant rabbits. Saksena SK, et al. **Prostaglandins Med** 1980 Nov;5(5):383-90

Manipulation of duration of action of a synthetic prostaglandin analogue (TPT) assessed in the pregnant beagle bitch. Vickery BH, et al. **Prostaglandins Med** 1980 Aug;5(2):93-100

Effects of marihuana on pregnant rats and their offspring. Abel EL, et al. **Psychopharmacology (Berlin)** 1980; 71(1):71-4

The effect of N-2-cyano-ethylamphetamine HCl on total lipids contents of heart (biochemical study) and aorta (histochemical study) of female pregnant rats. Lopes AC, et al. **Riv Ital Ginecol** 1977 Sep-Oct;58(5):409-13

Maternal glucocorticoid hormones influence neurotransmitter phenotypic expression in embryos. Jonakait GM, et al. **Science** 1980 Oct 31;210(4469):551-3

Opiate withdrawal in utero increases neonatal morbidity in the rat. Lichtblau L, et al. **Science** 1981 May 22; 212(4497):943-5

Prenatal exposure to ethanol alters the organization of hippocampal mossy fibers in rats. West JR, et al. **Science** 1981 Feb 27;211(4485):957-9

Effects of beer, wine, whiskey, and ethanol on pregnant rats and their offspring. Abel EL, et al. **Teratology** 1981 Apr; 23(2):217-22

Effects of glycerol formal on embryonic development in the rat. Aliverti V, et al. **Toxicol Appl Pharmacol** 1980 Oct; 56(1):93-100

Chronic low-level lead toxicity in the rat. I. Maternal toxicity and perinatal effects. Kimmel CA, et al. **Toxicol Appl Pharmacol** 1980 Oct;56(1):28-41

Effect of feeding dichlorvos to sows in mid-pregnancy. Wrathall AE, et al. **Zentralbl Veterinaermed [A]** 1980; 27(8):662-8

[The effect of the non-antibiotic growth stimulators, Carbadox and Cyadox, on reproduction in laboratory animals] Sýkora I, et al. **Vet Med (Praha)** 1981;26(6):367-77 (Eng. Abstr.) **(Cze)**

[Chlorpromazine effect on plasma concentration of corticosterone, gonadotropins and prolactin in the pregnant rat (author's transl)] Lescoat G, et al. **Ann Endocrinol (Paris)** 1980;41(2):119-25 (Eng. Abstr.) **(Fre)**

[Analogies between 'fraction P' with immunosuppressive properties in pregnant females and a protein fraction induced by estradiol treatment in the amphibian Salamandra salamandra L.] Badet MT. **C R Acad Sci [D] (Paris)** 1980 Dec 8;291(12):949-52 (Eng. Abstr.) **(Fre)**

[Single administration of a progesterone preparation during early gravidity of gilts following synchronized ovulation and induction of puberty to lower the age of first insemination] Heinze A, et al. **Arch Exp Veterinaermed** 1981;35(2):171-6 (Eng. Abstr.) **(Ger)**

[Control of labor in swine with dexamethasone of various injection frequencies on the onset of labor and other selected parameters in farrowing sows and piglets] Hühn R, et al. **Arch Exp Veterinaermed** 1980;34(5):677-81 (Eng. Abstr.) **(Ger)**

[Effect of a tocolytic agent on the farrowing of sows] Collins K, et al. **Berl Muench Tieraerztl Wochenschr** 1980 Aug 15;93(16):310-2 (Eng. Abstr.) **(Ger)**

[Anaesthesiological technique for pregnant rabbit, with consideration of foetal condition (author's transl)] Niedner W, et al. **Zentralbl Gynaekol** 1980;102(11):622-7 (Eng. Abstr.) **(Ger)**

[Effect of fosfomycin-calcium on reproductive performance of rats. III. Peri- and post-natal examination (author's transl)] Koeda T, et al. **Jpn J Antibiot** 1980 Jul;33(7):733-7 (Eng. Abstr.) **(Jpn)**

[Effect of bonafton on the bodies of pregnant animals] Proinova VA, et al. **Farmakol Toksikol** 1980 May-Jun; 43(3):337-42 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Effect of low-dose irradiation on pregnant mouse haemopoiesis. Weinberg SR, et al. **Br J Haematol** 1981 May;48(1):127-35

Evaluation of neonatal squirrel monkeys receiving tritiated water throughout gestation. Jones DC, et al. **Radiat Res** 1980 Sep;83(3):592-606

PREGNANCY-ASSOCIATED ALPHA PLASMA PROTEIN see under **PREGNANCY PROTEINS**

PREGNANCY-ASSOCIATED BETA PLASMA PROTEIN see under **PREGNANCY PROTEINS**

PREGNANCY COMPLICATIONS

see related
PREGNANCY, PROLONGED

Induced first – trimester abortion and fenestration of the uterine wall in a subsequent pregnancy. Lindmark G, et al. **Acta Obstet Gynecol Scand** 1981;60(1):96

Gaucher's disease in pregnancy associated with intra-uterine growth retardation. Swinhoe JR, et al. **Acta Obstet Gynecol Scand** 1980;59(4):375–6

Spontaneous rupture of the liver in pregnancy. Westergaard L. **Acta Obstet Gynecol Scand** 1980;59(6):559–61

Amphetamine addiction and pregnancy. III. One year follow-up of the children. Psychosocial and pediatric aspects. Billing L, et al. **Acta Paediatr Scand** 1980 Sep; 69(5):675–80

Development of aneurysm from infundibulum of posterior communicating artery with documentation of prior hemorrhage. Trasi S, et al. **AJNR** 1981 Jul–Aug;2(4):368–70

Folacin and iron status in low-income pregnant adolescents and mature women. Bailey LB, et al. **Am J Clin Nutr** 1980 Sep;33(9):1997–2001

Hirschprung's disease complicating pregnancy. Meier PR, et al. **Am J Gastroenterol** 1980 Jul;74(1):36–9

The course of inflammatory bowel disease during pregnancy and postpartum. Mogadam M, et al. **Am J Gastroenterol** 1981 Apr;75(4):265–9

Relation of maternal cigarette smoking, obesity, and energy consumption to infant size. Haworth JC, et al. **Am J Obstet Gynecol** 1980 Dec 15;138(8):1185–9

L-5 radiculopathy secondary to a uterine leiomyoma in a primigravid patient. Heffernan LP, et al. **Am J Obstet Gynecol** 1980 Oct 15;138(4):460–1

Pregnancy in patients with ventriculoperitoneal shunts: report of two cases. Howard TE Jr, et al. **Am J Obstet Gynecol** 1981 Sep 1;141(1):99–101

Effects of maternal acetonuria and low pregnancy weight gain on children's psychomotor development. Naeye RL, et al. **Am J Obstet Gynecol** 1981 Jan 15;139(2):189–93

Needs for animal models of human diseases of the reproductive system. Benirschke K. **Am J Pathol** 1980 Dec; 101(3 Suppl):S229–39

Gestational choriocarcinoma. Its origin in the placenta during seemingly normal pregnancy. Brewer JI, et al. **Am J Surg Pathol** 1981 Apr;5(3):267–77

Pregnancy and the lung. Weinberger SE, et al. **Am Rev Respir Dis** 1980 Mar;121(3):559–81 (212 ref.)

Laryngeal oedema and pre-eclampsia. Seager SJ, et al. **Anaesthesia** 1980 Apr;35(4):360–2

Laryngeal oedema accompanying weight gain in pregnancy [letter] Spotoft H, et al. **Anaesthesia** 1981 Jan;36(1):71

Anesthetic management of a parturient with severe juvenile rheumatoid arthritis. Hodgkinson R. **Anesth Analg (Cleve)** 1981 Aug;60(8):611–2

Systemic lupus erythematosus in pregnancy. **Ann Intern Med** 1981 May;94(5):667–77

Successful outcome of pregnancy in women with hypothyroidism. Montoro M, et al. **Ann Intern Med** 1981 Jan;94(1):31–4

The effects of narcotics and alcohol on pregnancy and the newborn. Finnegan LP. **Ann NY Acad Sci** 1981;362:136–57 (92 ref.)

Pruritic urticarial papules and plaques of pregnancy. Involvement in mother and infant. Uhlin SR. **Arch Dermatol** 1981 Apr;117(4):238–9

Transient neonatal hyperparathyroidism secondary to maternal pseudohypoparathyroidism. Glass EJ, et al. **Arch Dis Child** 1981 Jul;56(7):565–8

Maternal homocystinuria: studies of an untreated mother and fetus. Kurczynski TW, et al. **Arch Dis Child** 1980 Sep; 55(9):721–3

Progressive systemic sclerosis and nephrotic syndrome. An unusual association resulting in postpartum acute renal failure. Palma A, et al. **Arch Intern Med** 1981 Mar; 141(4):520–1

Captopril-induced agranulocytosis in systemic sclerosis. Watson MA, et al. **Aust NZ J Med** 1981 Feb;11(1):79–81

Obstetric anaesthesia and Ehlers-Danlos syndrome. Abouleish E. **Br J Anaesth** 1980 Dec;52(12):1283–6

A previous history of acute intermittent porphyria as a complication of obstetric anaesthesia. Allen SC, et al. **Br J Anaesth** 1980 Aug;52(8):835–8

Childhood leukaemia and mother-foetus infection. Knox EG, et al. **Br J Cancer** 1980 Jul;42(1):158–61

Respiratory illness, maternal smoking habit and lung function in children. Yarnell JW, et al. **Br J Dis Chest** 1979 Jul; 73(3):230–6

Assessment of antepartum cardiotocograms in high-risk pregnancy. Keirse MJ, et al. **Br J Obstet Gynaecol** 1980 Apr;87(4):261–9

A case of benign intracranial hypertension in pregnancy. Shekleton P, et al. **Br J Obstet Gynaecol** 1980 Apr; 87(4):345–7

Ruptured ureter in pregnancy--a unique case? Eaton A, et al. **Br J Urol** 1981 Feb;53(1):78–9

Epilepsy and pregnancy [editorial] **Br Med J** 1980 Oct 25; 281(6248):1087–8

Successful pregnancy in severe chronic renal failure not requiring dialysis. Coward RA, et al. **Br Med J** 1980 Sep 27;281(6244):839–40

Stress after amniocentesis for high serum alpha-fetoprotein concentrations [letter] Harris R, et al. **Br Med J** 1980 Sep 20;281(6243):807

Cancer and the fetus [letter] Jones EM. **Br Med J** 1980 Nov 8;281(6250):1287

Increased risk of recurrence of pregnancies complicated by fetal neural tube defects in mothers receiving poor diets, and possible benefit of dietary counselling. Laurence KM, et al. **Br Med J** 1980 Dec 13;281(6255):1592–4

Successful pregnancy in chronic renal failure [letter] Reid M. **Br Med J** 1980 Nov 29;281(6253):1490–1

Methods of anesthesia for complicated obstetrics. Marx GF, et al. **Bull NY Acad Med** 1981 May;57(4):262–71

Malignant melanoma of the skin occurring during pregnancy. Houghton AN, et al. **Cancer** 1981 Jul 15;48(2):407–10

Factors in the mother/infant dyad that influence the development of infections before and after birth. Naeye RL. **Ciba Found Symp** 1979;(77):3–16

Endocrine emergencies in pregnancy. Lowy C. **Clin Endocrinol Metab** 1980 Nov;9(3):569–81 (55 ref.)

Hypertension in pregnancy. Lindheimer MD, et al. **Contrib Nephrol** 1980;23:125–49 (52 ref.)

Diagnosis and management of bilateral theca lutein cysts in a normal term pregnancy. Barad DH, et al. **Diagn Gynecol Obstet** 1981 Spring;3(1):27–30

Transient nephrogenic diabetes insipidus during toxemia in pregnancy. Ferrara JM, et al. **Diagn Gynecol Obstet** 1980 Fall;2(3):227–30

Ulcerative colitis in pregnancy in Israel. Levy N, et al. **Dis Colon Rectum** 1981 Jul–Aug;24(5):351–4

Sudden unexpected death in infants of narcotic-dependent mothers. Rajegowda BK, et al. **Early Hum Dev** 1978 Sep; 2(3):219–25

Workshop of epilepsy, pregnancy and the child, Berlin, Federal Republic of Germany, September 14—16, 1980. **Epilepsia** 1981 Jun;22(3):365–75

Pregnancy in the Turner syndrome with only 45,X chromosomal constitution. Wray HL, et al. **Fertil Steril** 1981 May;35(5):509–14

Pregnancies in primary amenorrhea with normally developed secondary sex characteristics. Zourlas PA, et al. **Fertil Steril** 1980 Aug;34(2):112–5

Pregnancy and liver disease. Steven MM. **Gut** 1981 Jul; 22(7):592–614 (193 ref.)

Ulcerative colitis and pregnancy. Willoughby CP, et al. **Gut** 1980 Jun;21(6):469–74

Endodermal sinus (yolk sac) tumor of the vulva in a pregnant female. Krishnamurthy SC, et al. **Gynecol Oncol** 1981 Jun; 11(3):379–82

Choriocarcinoma occurring within the normal placenta with breast metastasis. Tsukamoto N, et al. **Gynecol Oncol** 1981 Jun;11(3):348–63

Experimental maternal renal insufficiency and the focal growth pattern. Vyas UK, et al. **Indian J Med Res** 1981 Jan;73:130–3

Nutrition deprivation: effects on feto-placental unit and fetal brain. Agarwal KN. **Indian J Pediatr** 1980 Jan–Feb; 47(384):19–26

Fertility problems associated with cystic fibrosis. Neri A, et al. **Int J Gynaecol Obstet** 1980;18(6):438–9

Compulsive water drinking in pregnancy. Shalev E, et al. **Int J Gynaecol Obstet** 1980;18(6):465–7

Late pregnancy hypertension -- a harmless condition? Clinch J. **Ir Med J** 1980 Sep;73(9):348–9

Exposure to radioiodine in the preconception and conception periods. A case report. Zaltzman S, et al. **Isr J Med Sci** 1980 Dec;16(12):856–8

Obstetric history of kibbutz children with minimal brain dysfunction. Kaffman M, et al. **Isr J Psychiatr Relat Sci** 1981;18(1):69–84

Pruritic urticarial papules and plaques of pregnancy. Ahmed AR, et al. **J Am Acad Dermatol** 1981 Jun;4(6):679–81

The effect of pregnancy on idiopathic scoliosis. Blount WP, et al. **J Bone Joint Surg [Am]** 1980 Oct;62(7):1083–7

Unusual presentations of ovarian tumours during pregnancy. Fayad MM, et al. **J Egypt Med Assoc** 1978;61(3–4):243–51

Benign intracranial hypertension in pregnancy. Gupta HL, et al. **J Indian Med Assoc** 1980 Sep 1;75(5):93–4

Twin pregnancy, Turner syndrome, ultrasound. Bellina PV Jr, et al. **J La State Med Soc** 1981 Jan;133(1):11–2

Increased serum calcitonin in pregnancy. Silva OL, et al. **J Natl Med Assoc** 1981;73(7):649–52

Analysis of placental structures by ultrasound in normal and complicated pregnancies. Kozlowski P, et al. **J Perinat Med** 1981;9 Suppl 1:138–9

Plasma pregnancy-associated alpha 2-glycoprotein concentrations in complications of pregnancy and foetal abnormality. Thomson AW, et al. **J Reprod Immunol** 1979 Dec;1(4):229–35

Complete duodenal obstruction during pregnancy, with intestinal nonrotation and painless midgut volvulus. Van Wingerden GI, et al. **J Reprod Med** 1981 May;26(5):265–7

Systemic lupus erythematosus and pregnancy. Tozman EC, et al. **J Rheumatol** 1980 Sep–Oct;7(5):624–32

SLE and motherhood. Zurier RB. **J Rheumatol** 1980 Sep–Oct;7(5):591–3

Carcinoma of breast associated with pregnancy and lactation. Sahni K, et al. **J Surg Oncol** 1981;16(2):167–73

Acute renal failure caused by ureteral obstruction by a gravid uterus. Homans DC, et al. **JAMA** 1981 Sep 11; 246(11):1230–1

Pregnancy during adjuvant chemotherapy for breast cancer. Jochimsen PR, et al. **JAMA** 1981 Apr 24;245(16):1660–1

Pruritic papules of pregnancy [letter] Rahbari H. **JAMA** 1980 Sep 26;244(13):1434

Maternal quadriplegia complicating pregnancy: report of case. Kopitzki HP. **JAOA** 1980 Oct;80(2):144–6

Acute renal failure in pregnancy. Grünfeld JP, et al. **Kidney Int** 1980 Aug;18(2):179–91 (94 ref.)

Effect of pregnancy in patients with lupus nephropathy. Hayslett JP, et al. **Kidney Int** 1980 Aug;18(2):207–20

Pregnancy in women with kidney disease. Katz AI, et al. **Kidney Int** 1980 Aug;18(2):192–206

Neuroblastoma in pregnancy [letter] Besana C, et al. **Lancet** 1981 Sep 5;2(8245):534

Cystic fibrosis and pregnancy. A national survey. Cohen LF, et al. **Lancet** 1980 Oct 18;2(8199):842–4

Alcohol abuse in pregnancy: a problem in London [letter] Murray-Lyon IM, et al. **Lancet** 1980 Dec 20–27; 2(8208–8209):1382

The hazards of pregnancy in myotonic muscular dystrophy. Webb DA. **Mater Med Pol** 1979 Oct–Dec;11(4):394–7

Anorexia nervosa, pregnancy and XO/XX mosaicism. Abraham SF, et al. **Med J Aust** 1981 May 30;1(11):582–3

Effects of alcohol in pregnancy. Newman NM, et al. **Med J Aust** 1980 Jul 12;2(1):5–10 (86 ref.)

Common complaints in pregnancy. Freeman WS. **Med Times** 1980 Nov;108(11):7s–13s

The syndrome of Vogt-Koyanagi-Harada and pregnancy. Friedman Z, et al. **Metab Pediatr Ophthalmol** 1980; 4(3):147–9

OB-GYN section: Smoking during pregnancy. Spaur RC, et al. **Nebr Med J** 1980 Oct;65(10):267

Fetal activity determination and neosynephrine test for evaluation of fetal well-being in high risk pregnancies. Eguchi K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 May;32(5):663–8

Fetal versus maternal rights: medical and legal perspectives. Bowes WA Jr, et al. **Obstet Gynecol** 1981 Aug;58(2):209–14

Cirrhosis and fetal hyperbilirubinemia. Cotton DB, et al. **Obstet Gynecol** 1981 Jun;57(6 Suppl):25S–7S

Chorioangioma of the placenta: report of 2 cases with ultrasound study in 1. Dao AH, et al. **Obstet Gynecol** 1981 Jun;57(6 Suppl):46S–9S

Obesity in pregnancy: risks and outcome. Gross T, et al. **Obstet Gynecol** 1980 Oct;56(4):446–50

DES-related clear cell adenocarcinoma of the vagina in pregnancy. Jones WB, et al. **Obstet Gynecol** 1981 Jun;57(6 Suppl):76S–80S

Brown amiotic fluid in congenital erythropoietic porphyria. Kaiser IH. **Obstet Gynecol** 1980 Sep;56(3):383–4

Ultrasound air contrast transfusion technique: an aid to managing the Rh-affected fetus with ascites. Larkin RM, et al. **Obstet Gynecol** 1981 Jun;57(6 Suppl):22S–4S

Urinary calculi in pregnancy. Lattanzi DR, et al. **Obstet Gynecol** 1980 Oct;56(4):462–6

Cecal volvulus in pregnancy. Pratt AT, et al. **Obstet Gynecol** 1981 Jun;57(6 Suppl):37S–40S

Pregnancy complicated by concurrent primary hyperparathyroidism and pancreatitis. Thomason JL, et al. **Obstet Gynecol** 1981 Jun;57(6 Suppl):34S–6S

Elevated amniotic fluid creatinine. Williams LH, et al. **Obstet Gynecol** 1981 Jun;57(6 Suppl):2S–5S

Ehlers-Danlos syndrome during pregnancy: a case report and review of the literature. Taylor DJ, et al. **Obstet Gynecol Surv** 1981 Jun;36(6):277–81

Choriocarcinoma. A late complication of pregnancy. Schachter A, et al. **Panminerva Med** 1980 Jan–Mar 22; 22(1):31–5

Amygdala kindling during pregnancy in the rat. Ehlers CL, et al. **Physiol Behav** 1980 Oct;25(4):599–601

Hyperemesis gravidarum due to thyrotoxicosis. Valentine BH, et al. **Postgrad Med J** 1980 Oct;56(660):746–7

Mothers who smoke and their children. Report of Committee appointed by Action on Smoking and Health. **Practitioner** 1980 Jul;224(1345):735–40 (42 ref.)

Low risk obstetrics? Naftalin NJ. **Practitioner** 1981 Feb; 225(1352):209–11

Maternal systemic lupus erythematosus associated with fetal congenital heart block. A case report. Moore PJ. **S Afr Med J** 1981 Aug 15;60(7):285–6

Selective delivery in high-risk pregnancy. Horger EO 3d, et al. **South Med J** 1981 Jun;74(6):688–93

Pregnancy-induced hypertension in Saudi Arabia. Pugh CK, et al. **Trop Doct** 1981 Apr;11(2):74–6

Thyroid disease in pregnancy. Montgomery DA. **Ulster Med J** 1979;48(1):69–82 (39 ref.)

Intermittent urinary retention in first trimester of pregnancy. Goldberg KA, et al. **Urology** 1981 Mar;17(3):270–1

Successful treatment by plasma exchange in Guillain-Barré syndrome with immune complexes. Valbonesi M, et al. **Vox Sang** 1980;38(4):181–4

Heroin addiction and pregnancy [clinical conference] Bashore RA, et al. **West J Med** 1981 Jun;134(6):506–514

[The significance of icterus in pregnancy for perinatal mortality and morbidity] Kohoutek M, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1980;23(2):107–14 (Eng. Abstr.) **(Cze)**

[Guillain-Barré syndrome and pregnancy] Joensen P. **Ugeskr Laeger** 1981 Feb 2;143(6):349–50 (Eng. Abstr.) **(Dan)**

[Kidney diseases and pregnancy] Haapanen E. **Duodecim** 1980;96(2):129–36 **(Fin)**

[Uterine abnormalities and pregnancy] Heinonen PK. **Duodecim** 1981;97(4):191–8 (Eng. Abstr.) **(Fin)**

[Pregnancy in chronic disease] Ikonen E. **Duodecim** 1980;

96(2):93–7 **(Fin)**

[Rheumatoid arthritis and disseminated lupus erythematosus complicating pregnancy] Laitinen O. **Duodecim** 1980; 96(2):137–41 **(Fin)**

[Pregnancy at risk] Soiva K. **Duodecim** 1980;96(2):98–100 **(Fin)**

[Pseudoxanthoma elasticum and pregnancy] Barrière H, et al. **Ann Dermatol Venereol** 1980 Aug–Sep;107(8–9):817–9 **(Fre)**

[Choriocarcinoma in mother and child (author's transl)] Kalifa C, et al. **Arch Fr Pediatr** 1981 May;38(5):351–2 (Eng. Abstr.) **(Fre)**

[Neonatal hyperparathyroidism secondary to maternal hypoparathyroidism (author's transl)] Vidailhet M, et al. **Arch Fr Pediatr** 1980 May;37(5):305–12 (Eng. Abstr.) **(Fre)**

[Gonad function of women with homogenous karyotype XO or with mosaic form. Five case histories of fertile women (author's transl)] Mavel A, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(8):875–86 (Eng. Abstr.) **(Fre)**

[Meralgia paresthetica, or neuralgia of the femoro–cutaneous nerve in the pregnant woman (letter)] Dumont M. **Nouv Presse Med** 1980 Dec 6;9(46):3551 **(Fre)**

[Transport of the high risk newborn infant or of the high risk pregnant mother?] Burghard R, et al. **Dtsch Med Wochenschr** 1981 Aug 14;106(33):1019–21 **(Ger)**

[The antepartum evaluation of pulmonary maturity in high risk pregnancies (author's transl)] Diedrich K, et al. **Geburtshilfe Fraunheilkd** 1981 Feb;41(2):107–13 (Eng. Abstr.) **(Ger)**

[The abortion problem from the ophthalmologist's point of view (author's transl)] Mewe L. **Klin Monatsbl Augenheilkd** 1981 Mar;178(3):219–23 (Eng. Abstr.) **(Ger)**

[Therapy of sarcoidosis with old tuberculin, blood and BCG. Break in treatment during pregnancy (author's transl)] Berdel WE, et al. **Z Erkr Atmungsorgane** 1979 Jun; 153(3):396–400 (Eng. Abstr.) **(Ger)**

[Course of twin pregnancies after foetal death in utero (author's transl)] Litschgi M, et al. **Z Geburtshilfe Perinatol** 1980 Jun;184(3):227–30 (Eng. Abstr.) **(Ger)**

[Successful pregnancy, following kidney transplantation. Brief account of additional cases reported in literature (author's transl)] Kreischer W, et al. **Zentralbl Gynaekol** 1980;102(18):1052–8 (Eng. Abstr.) **(Ger)**

[Carcinoma of cervix in pregnancy (author's transl)] Philipp E. **Zentralbl Gynaekol** 1980;102(21):1240–6 (Eng. Abstr.) **(Ger)**

[Pregnancy with extrahepatic portal hypertension] Blumenfeld Z, et al. **Harefuah** 1980 Feb 1;98(3):116–7 (Eng. Abstr.) **(Heb)**

[Pregnancy and breast carcinoma] Horenstein A, et al. **Harefuah** 1981 Jan 1;100(1):35–7 **(Heb)**

[Maternal phenylketonuria syndrome] Pollak S, et al. **Harefuah** 1981 Jan 15;100(2):78–80 (Eng. Abstr.) **(Heb)**

[Rh isoimmunization: experience with and critical analysis of recent diagnostic and therapeutic criteria] Bellati U, et al. **Ann Ostet Ginecol Med Perinat** 1981;102(2):84–94 (Eng. Abstr.) **(Ita)**

[Malignant tumors and pregnancy. Biological and clinical aspects] Bolis PF, et al. **Ann Ostet Ginecol Med Perinat** 1981;102(2):119–32 (132 ref.) (Eng. Abstr.) **(Ita)**

[Alpha–fetoprotein in the amniotic fluid in pregnancies at high risk for congenital fetal defect and Rh isoimmunization] Brambati B, et al. **Ann Ostet Ginecol Med Perinat** 1981;102(2):75–83 (Eng. Abstr.) **(Ita)**

[Ovarian dysgerminoma in pregnancy. (Report of a case and review of the literature)] Paolina L. **Ann Ostet Ginecol Med Perinat** 1980 May–Jun; 101(3):187–203 (75 ref.) (Eng. Abstr.) **(Ita)**

[Clinical considerations on the pregnant woman, at term, with chronic hepatitis] Tanferna M, et al. **Arch Sci Med (Torino)** 1981 Apr–Jun;138(2):187–94 **(Ita)**

[The pregnancy in women above 40 years (author's transl)] Mansani FE, et al. **Ateneo Parmense [Acta Biomed]** 1980; 51(4):377–81 (Eng. Abstr.) **(Ita)**

[Endogenous intoxications of pregnancy: jaundice of pregnancy] Margaria E, et al. **Minerva Anestesiol** 1979 Mar; 45(3):109–15 (Eng. Abstr.) **(Ita)**

[Clinical contribution of a case of a pregnant woman with portocaval shunt and previous splenectomy] Barese G, et al. **Minerva Ginecol** 1980 Nov;32(11):971–4 (Eng. Abstr.) **(Ita)**

[Recent advances in the understanding of materno–fetal tolerance] Bolis PF. **Minerva Ginecol** 1981 Jan;33(1):97–103 (71 ref.) (Eng. Abstr.) **(Ita)**

[Corpus luteum cysts in pregnancy] Bracco G, et al. **Minerva Ginecol** 1981 Feb–Mar;33(2–3):283–8 (Eng. Abstr.) **(Ita)**

[Thecoma and pregnancy] Caresano G, et al. **Minerva Ginecol** 1980 Oct;32(10):929–32 (20 ref.) **(Ita)**

[Histocompatibility cross test with B–lymphocytes and lymphocytotoxicity of the blood of pregnant women] Laurentaci G, et al. **Minerva Ginecol** 1981 Feb–Mar; 33(2–3):175–84 (Eng. Abstr.) **(Ita)**

[Preventive treatment of striae distensae during pregnancy] Walther M. **Minerva Ginecol** 1981 May;33(5):497–9 (Eng. Abstr.) **(Ita)**

[Deficiency of cell–mediated immunity in child of a drug–addicted mother (letter)] Calderazzo L, et al. **Minerva Pediatr** 1980 Oct 15;32(19):1164–5 **(Ita)**

[The newborn infant of the drug–dependent mother. Review of literature and personal case reports] Fabris C, et al. **Minerva Pediatr** 1980 May 31;32(10):663–76 (53 ref.) (Eng. Abstr.) **(Ita)**

[Neonatal narcotic withdrawal syndrome. Review of literature and presentation of a clinical case] Giovannini M, et al. **Minerva Pediatr** 1979 Jan 15;31(1):63–6 (20 ref.) (Eng. Abstr.) **(Ita)**

[Relation between sex of the fetus and psychiatric pathology in the mother] Calandra C, et al. **Minerva Psichiatr** 1979 Jul–Sep;20(3):169–75 (Eng. Abstr.) **(Ita)**

[Clinico–statistical study concerning rupture of the uterus in pregnancy occurring in the period 1968–1978 at the Obstetrical and Gynecological Clinic of the University of Bologna. Report of a case of spontaneous rupture of the uterus in pregnancy at term] Borghetti G, et al. **Riv Ital Ginecol** 1977 Nov–Dec;58(6):473–80 (Eng. Abstr.) **(Ita)**

[Rupture of the pregnant uterus] Pardini I, et al. **Riv Ital Ginecol** 1977 Nov–Dec;58(6):481–502 (80 ref.) (Eng. Abstr.) **(Ita)**

[Paraquat poisoning in a pregnant women (author's transl)] Takeuchi K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Oct; 18(10):747–52 (Eng. Abstr.) **(Jpn)**

[Torsion of a pregnant uterus] Magnus O. **Tidsskr Nor Laegeforen** 1981 May;101(15):938 (Eng. Abstr.) **(Nor)**

[Stomach cancer in pregnancy] Saltveit T. **Tidsskr Nor Laegeforen** 1980 Oct 10;100(28):1660–1 (Eng. Abstr.) **(Nor)**

[Case of ruptured tubal pregnancy coexistent with normally–developing intrauterine pregnancy] Konieczny H. **Wiad Lek** 1980 Sep 1;33(17):1415–6 **(Pol)**

[Semiotic value of indirect Coombs' tests in amniotic fluid (author's transl)] da Cunha SP, et al. **AMB** 1979 Dec; 25(12):437–9 (Eng. Abstr.) **(Por)**

[Gestation and rapidly progressive form of scleroderma (author's transl)] Garcez D de M, et al. **AMB** 1979 Dec; 25(12):445–6 (Eng. Abstr.) **(Por)**

[Endometriosis of the vermiform appendix inducing acute appendicitis in a pregnant woman] Cutait R, et al. **Rev Paul Med** 1980 Sep–Oct;96(3–4):77–8 (Eng. Abstr.) **(Por)**

[Health education in the prevention of prenatal and between–conception risk in pregnancy. Characteristics as affected by prenatal care services] Candeias NM. **Rev Saude Publica** 1980 Sep;14(3):320–32 (Eng. Abstr.) **(Por)**

[Vital characteristics as indicators of pregnancy at risk] Szarfarc SC, et al. **Rev Saude Publica** 1980 Sep;14(3):310–9 (Eng. Abstr.) **(Por)**

[Effect of the course of pregnancy and labor on blood coagulation in premature infants] Efimov MS, et al. **Akush Ginekol (Mosk)** 1980 Aug;(8):40–2 **(Rus)**

[Thrombosis of the cerebral sinuses and veins associated with pregnancy, birth and puerperium] Gusev VA, et al. **Sov Med** 1980;(7):116–8 **(Rus)**

[Relationship between ultrastructural pathology of the embryonal brain and features of the course and treatment of schizophrenic mothers] Orlovskaia DD, et al. **Zh Nevropatol Psikhiatr** 1980;80(11):1682–7 (Eng. Abstr.) **(Rus)**

[Lamellar formations in the brain cells of embryos of schizophrenic mothers] Solov'eva ZhV. **Zh Nevropatol Psikhiatr** 1980;80(7):1055–8 (Eng. Abstr.) **(Rus)**

[Gestational characteristics in women with breast cancer] Burány B. **Jugosl Ginekol Opstet** 1979 Sep–Dec; 19(5–6):237–47 (Eng. Abstr.) **(Scr)**

[Congenital anomalies of the uterus. (Pregnancy, delivery, and the newborn] Janev A, et al. **Jugosl Ginekol Opstet** 1979 Sep–Dec;19(5–6):253–63 (Eng. Abstr.) **(Scr)**

[Cesarean section in the concept of contemporary obstetrics (author's transl)] Bruchač D, et al. **Bratisl Lek Listy** 1981 Feb;75(2):128–35 (Eng. Abstr.) **(Slo)**

[Metastasic choriocarcinoma of pregnancy with clinical cure. Case report (author's transl)] Nogueras Rimblas A, et al. **Med Clin (Barc)** 1981 Mar 10;76(5):233–8 (Eng. Abstr.) **(Spa)**

[Maternal nutrition and fetal growth: Chilean perspectives (author's transl)] Atalah E, et al. **Rev Med Chil** 1980 Apr; 108(4):351–7 (Eng. Abstr.) **(Spa)**

[Prolactinoma and pregnancy] Bergh T, et al. **Lakartidningen** 1981 Jun 17;78(25):2449–51 (Eng. Abstr.) **(Swe)**

BLOOD

Excessive hypertriglyceridemia and pancreatitis in pregnancy. Association with deficiency of lipoprotein lipase. Lykkesfeldt G, et al. **Acta Obstet Gynecol Scand** 1981;60(1):79–82

Radioimmunoassay of serum bile acids in normal pregnancy and in recurrent cholestasis of pregnancy. Samuelson K, et al. **Acta Obstet Gynecol Scand** 1980;59(5):417–20

Serum ferritin in the diagnosis of anemia during pregnancy. Puolakka J, et al. **Acta Obstet Gynecol Scand [Suppl]** 1980; Suppl 95:57–63

Hematological status and pregnancy outcomes. Garn SM, et al. **Am J Clin Nutr** 1981 Jan;34(1):115–7

Pregnancy–specific beta 1–glycoprotein as a prognostic indicator in complications of early pregnancy. Ho PC, et al. **Am J Obstet Gynecol** 1980 Oct 1;138(3):253–6

The glucose tolerance test as a means of identifying intrauterine growth retardation. Khouzami VA, et al. **Am J Obstet Gynecol** 1981 Feb 15;139(4):423–6

Trophoblastic disease monitoring: Evaluation of pregnancy–specific beta 1–glycoprotein. O'Brien TJ, et al. **Am J Obstet Gynecol** 1980 Oct 1;138(3):313–20

The fetal and maternal catecholamine response to insulin–induced hypoglycemia in the rat. Phillippe M, et al. **Am J Obstet Gynecol** 1981 Feb 15;139(4):407–15

Lymphocytic hypophysitis of pregnancy resulting in hypopituitarism: a distinct clinicopathologic entity. Asa SL, et al. **Ann Intern Med** 1981 Aug;95(2):166–71

Observations on the vitamin D state of pregnant Asian women in London. Brooke OG, et al. **Br J Obstet Gynaecol** 1981 Jan;88(1):18–26

Changes in serum bile acid concentrations during normal pregnancy, in patients with intrahepatic cholestasis of pregnancy and in pregnant women with itching. Heikkinen J, et al. **Br J Obstet Gynaecol** 1981 Mar;88(3):240–5

Placental protein 5 (PP5) in complicated pregnancies. Nisbet AD, et al. **Br J Obstet Gynaecol** 1981 May;88(5):492–9

The effect of protamine on serum levels of placental protein 5 (PP5) in normal and abnormal pregnancy: a possible relation to coagulation abnormalities. Salem HT, et al. **Br J Obstet Gynaecol** 1981 Apr;88(4):367–70

Modifications of the coagulation factors during normal and pathological pregnancies. Paternoster D, et al. **Clin Exp Obstet Gynecol** 1980;7(2):112–5

Serial plasma levels of oestriol and HPL in high risk pregnancies. Tolino A, et al. **Clin Exp Obstet Gynecol** 1980; 7(2):89–93

Maternal and fetal oxytocin levels at parturition in a paraplegic woman. Dawood MY, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Jun;12(1):1–6

Plasma testosterone and dihydrotestosterone in normal and abnormal pregnancy. Tajić M, et al. **Experientia** 1981 Apr 15;37(4):427–9

Plasma cAMP in normal and abnormal human pregnancy. Göser R, et al. **Gynecol Obstet Invest** 1980;11(5):274–85

Maternal glycemia and birth weight. Luqman W, et al. **Int J Gynaecol Obstet** 1980 Jul–Aug;18(1):63–5

Normal intrauterine development of the fetus of a woman receiving extraordinarily high doses of 1,25–dihydroxyvitamin D3. Marx SJ, et al. **J Clin Endocrinol Metab** 1980 Nov;51(5):1138–42

Acute changes in serum prolactin concentration have no effect on the secretion of progesterone, estradiol, or chorionic gonadotropin during early pregnancy. Ranta T, et al. **J Clin Endocrinol Metab** 1980 Sep;51(3):544–7

Interrelationships among serum thyroxine, triiodothyronine, reverse triiodothyronine, and thyroid–stimulating hormone in iodine–deficient pregnant women and their offspring: effects of iodine supplementation. Silva JE, et al. **J Clin Endocrinol Metab** 1981 Apr;52(4):671–7

Normal levels of norepinephrine in short term hypothyroidism. Wahi RS, et al. **J Clin Endocrinol Metab** 1980 Oct;51(4):934–5

Two successive pregnancies in a woman with xanthinuria: unexpected increase in serum uric acid levels. Uzan S, et al. **J Perinat Med** 1980;8(6):284–7

Zinc insufficiency during pregnancy. A review. Lemasters GK. **JOGN Nurs** 1981 Mar–Apr;10(2):124–5

Zinc status and pregnancy outcome [letter] **Lancet** 1981 Apr 18;1(8225):893–4

Zinc status of pregnant alcoholic women: a determinant of fetal outcome. Flynn A, et al. **Lancet** 1981 Mar 14;1(8220 Pt 1):572–51

The effects of dietary cholesterol upon the hypercholesterolemia of pregnancy. McMurry MP, et al. **Metabolism** 1981 Sep;30(9):869–79

Comparison of serum unconjugated estriol and estetrol in normal and complicated pregnancies. Kundu N, et al. **Obstet Gynecol** 1981 Sep;58(3):276–81

Fetal and maternal serum copper levels before and during labor in normal and complicated pregnancies. Kundu N, et al. **Obstet Gynecol** 1981 Mar;57(3):313–9

Review article: the new placental proteins. Klopper A. **Placenta** 1980 Jan–Mar;1(1):77–89 (43 ref.)

[C–reactive protein in the serum of pregnant women (author's transl)] Knobloch V, et al. **Cesk Gynekol** 1981 May; 46(4):296–9 (Eng. Abstr.) **(Cze)**

[A retrospective study of some chemical fractions of serum proteins in pregnancies at 6–7 months which ended normally or abnormally (author's transl)] Badin J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(4):425–33 (Eng. Abstr.) **(Fre)**

[Maternal serum levels of cystine–aminopeptidase (C.A.P.) in normal and pathological pregnancies (author's transl)] Thoumsin HJ, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(8):849–54 (Eng. Abstr.) **(Fre)**

[The hormonology of pregnancy] Lambotte R. **Rev Med Liege** 1980 Sep 1;35(17):575–7 **(Fre)**

[Hemorheologic examinations in pregnancy] Heilmann L. **Fortschr Med** 1981 Jul 23;99(27–28):1088–91 (Eng. Abstr.) **(Ger)**

[High molecular weight albumins in normal and pathological

pregnancies and under tocolytic therapy. Serum concentrations of beta-1-SP-1, IgM and alpha-2-macroglobulin] Siekmann U, et al. **Fortschr Med** 1980 Nov 6;98(41):1614–7 (Eng. Abstr.) **(Ger)**

[Excessive hyperlipidemia during pregnancy (author's transl)] Jaisle F. **Geburtshilfe Frauenheilkd** 1980 May;40(5):458–61 (Eng. Abstr.) **(Ger)**

[Suppression of free plasma oestriol in high-risk pregnancies after stimulation of the maternal adrenals by ACTH (author's transl)] Reck G, et al. **Geburtshilfe Frauenheilkd** 1980 Jun;40(6):508–16 (Eng. Abstr.) **(Ger)**

[Hemorrheological changes in risk pregnancies undergoing treatment with flunarizin] Heilmann L. **Vasa** 1980; 9(4):338–44 (Eng. Abstr.) **(Ger)**

[Hemoglobinopathy and pregnancy] Szinnyai M, et al. **Orv Hetil** 1980 May 25;121(21):1273–5 **(Hun)**

[Obstetrico-pediatric aspects of the physiopathology of lipid metabolism. II. The maternal and fetal lipoprotein pattern] Cesone P, et al. **Ann Ostet Ginecol Med Perinat** 1979 Sep-Oct;100(5):350–9 (Eng. Abstr.) **(Ita)**

[Findings on the behavior of beta 1 SP 1 in normal and complicated pregnancies] Guaschino S, et al. **Ann Ostet Ginecol Med Perinat** 1981;102(2):95–9 (Eng. Abstr.) **(Ita)**

[Concentrations of polyamines in maternal and umbilical-cord blood and in the amniotic fluid during normal human pregnancy and in feto-placental insufficiency] Casti A, et al. **Ateneo Parmense [Acta Biomed]** 1979;50(1):15–26 (Eng. Abstr.) **(Ita)**

[Behavior of glycosylated hemoglobins in normal, obese and diabetic pregnant women and their newborn infants] Trossarelli GF, et al. **Minerva Ginecol** 1981 May; 33(5):437–46 (Eng. Abstr.) **(Ita)**

[Immunological assay of beta-1-SP-1-glycoprotein applied to obstetric diagnosis: review of the literature and serum levels in normal and pathological pregnancies] Guerresi E, et al. **Riv Ital Ginecol** 1980;59(1):29–35 (13 ref.) (Eng. Abstr.) **(Ita)**

[Transplacental fetomaternal transfusion in physiological labor and in various pathological states of pregnancy and labor] Jakubowska M, et al. **Ginekol Pol** 1980 Dec; 51(12):1123–8 (Eng. Abstr.) **(Pol)**

[Blood serum mucoprotein concentration in pregnant women with intrahepatic cholestasis. III. Changes in lipid, bilirubin and iron concentrations] Wójcicka J, et al. **Ginekol Pol** 1980 May;51(5):403–10 **(Pol)**

[Serum glutamyl transpeptidase activity in pregnant women with intrahepatic cholestasis. II. Effect of protein and lipid changes and iron concentration] Wójcicka J, et al. **Ginekol Pol** 1981 Jan;52(2):125–33 (Eng. Abstr.) **(Pol)**

[Zinc deficiency in pregnant women] Karlinskii VM. **Akush Ginekol (Mosk)** 1981 Mar;(3):55–6 **(Rus)**

[Determination of chorionic alpha 1-microglobulin in the blood serum in pregnancy complications] Petrunina IuA, et al. **Akush Ginekol (Mosk)** 1980 Jul;(7):36 **(Rus)**

[Steroid hormone content and the activity of the thermostable isoenzyme of alkaline phosphatase in the blood of women with a high-risk pregnancy] Zhantieva EM, et al. **Akush Ginekol (Mosk)** 1980 Dec;(12):33–5 (Eng. Abstr.) **(Rus)**

[Relationship between the biparietal diameter of the fetal head, human placental lactogen (HPL), thermostable alkaline phosphatase, and blood oxytocinase in risk pregnancy] Lukačín S, et al. **Bratisl Lek Listy** 1981 Feb; 75(2):179–84 (Eng. Abstr.) **(Slo)**

CHEMICALLY INDUCED

Anaphylactoid reaction to infusion of polygelatin (Haemaccel). A study in pregnant women. Lund N. **Anaesthesia** 1980 Jul 7;35(7):655–9

Fetal metabolic response to phloridzin-induced hypoglycemia in pregnant rats. Freund N, et al. **Biol Neonate** 1980;38(5–6):321–7

Slow-release iron tablet and gangrene of meckel's diverticulum. Walsh PV. **Br J Clin Pract** 1980 Aug; 34(8–9):258

A case of clear cell adenocarcinoma of the vagina in pregnancy. Davis JA, et al. **Br J Obstet Gynaecol** 1981 Mar;88(3):322–6

Vitamin D supplements in Asian women. Bissenden JG. **Br Med J** 1980 Apr 12;280(6220):1054

Heparin-induced osteopenia in pregnancy. Wise PH, et al. **Br Med J** 1980 Jul 12;281(6233):110–1

Maternal morbidity associated with isoxsuprine and terbutaline tocolysis. Robertson PA, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 May;11(6):371–8

Tetracycline-associated fatty liver of pregnancy, including possible pregnancy risk after chronic dermatologic use of tetracycline. Wenk RE, et al. **J Reprod Med** 1981 Mar; 26(3):135–41

Coma caused by drug abuse in pregnancy. Bello GV, et al. **Mt Sinai J Med (NY)** 1981 Jan-Feb;48(1):66–78

Amitriptyline-induced ophthalmoplegia. Spector RH, et al. **Neurology (NY)** 1981 Sep;31(9):1188–90

The effect of oral cadmium administration on the pregnant rat and embryo. **Nutr Rev** 1981 Jan;39(1):26–9 (13 ref.)

[Consequences of bromide use during pregnancy] Tjiam AT, et al. **Ned Tijdschr Geneeskd** 1980 Oct 4;124(40):1675–8 (Eng. Abstr.) **(Dut)**

[Cholestatic hepatitis due to troleandomycin, and pregnancy (letter)] Chaput JC, et al. **Gastroenterol Clin Biol** 1981 Jan; 5(1):103–4 **(Fre)**

[Is troleandomycin contraindicated in pregnant women? (letter)] Monges A, et al. **Gastroenterol Clin Biol** 1981 Jan; 5(1):104–5 **(Fre)**

[Hormonal protective therapy (letter)] Gardó S. **Orv Hetil** 1981 Apr 26;122(17):1043 **(Hun)**

[Syndrome caused by ovarian hyperstimulation and pregnancy] Zinelli G. **Minerva Ginecol** 1981 Feb-Mar; 33(2–3):271–8 (Eng. Abstr.) **(Ita)**

[Drug use and its effect on the female genital apparatus] Pesce VS. **Minerva Med** 1980 Sep 19;71(34):2381–8 **(Ita)**

DIAGNOSIS

Acute pancreatitis in pregnancy. Report of two cases. Hasselgren PO. **Acta Chir Scand** 1980;146(4):297–9

Sonography of a persistently retroverted gravid uterus. Laing FC. **AJR** 1981 Feb;136(2):413–4

Idiopathic hydrops fetalis report of 4 patients including 2 affected sibs. Schwartz SM, et al. **Am J Med Genet** 1981; 8(1):59–66

Hyperparathyroid crisis and pregnancy. Clark D, et al. **Am J Obstet Gynecol** 1981 Aug 1;140(7):840–2

Myomas of the uterus in pregnancy: ultrasonographic follow-up. Muram D, et al. **Am J Obstet Gynecol** 1980 Sep 1;138(1):16–9

Improved monitoring of gestational trophoblastic neoplasia using a highly sensitive assay for urinary human chorionic gonadotropin. Wehmann RE, et al. **Am J Obstet Gynecol** 1981 Aug 1;140(7):753–7

Chronic relapsing polyneuritis associated with pregnancy [letter] Jones MW, et al. **Ann Neurol** 1981 Apr;9(4):413

Bullous dermatoses of pregnancy. Honeyman JF, et al. **Arch Dermatol** 1981 May;117(5):264–7

Are there recognizable symptoms of abnormal glucose tolerance (hypoglycaemia and hyperglycaemia) in pregnancy. Abell DA, et al. **Aust NZ J Obstet Gynaecol** 1980 May;20(2):73–6

The roll-over test as a screening procedure for gestational hypertension. Andersen GJ. **Aust NZ J Obstet Gynaecol** 1980 Aug;20(3):144–50

Choriocarcinoma coexistent with intrauterine pregnancy. Kuhn RJ, et al. **Aust NZ J Obstet Gynaecol** 1980 May; 20(2):94–8

Prurigo of late pregnancy. Cooper AJ, et al. **Australas J Dermatol** 1980 Aug;21(2):79–84

Tests of fetal wellbeing in the third trimester of pregnancy. Hughes G, et al. **Br J Obstet Gynaecol** 1980 Aug; 87(8):650–6

Colposcopy in the management of the pregnant patient with abnormal cervical cytology. Kirkup W, et al. **Br J Obstet Gynaecol** 1980 Apr;87(4):322–5

Colposcopy in pregnancy. A twelve year review. McDonnell JM, et al. **Br J Obstet Gynaecol** 1981 Apr;88(4):414–20

Measurement of placental protein 5, placental lactogen and pregnancy-specific beta 1 glycoprotein in mid-trimester as a predictor of outcome of pregnancy. Salem HT, et al. **Br J Obstet Gynaecol** 1981 Apr;88(4):371–4

Improved diagnosis of pregnancy-related gynaecological emergencies by rapid human chorionic gonadotrophin beta-subunit assay. Seppälä M, et al. **Br J Obstet Gynaecol** 1981 Feb;88(2):138–40

Raised maternal serum AFP, oligohydramnios and poor fetal outcome. Stirrat GM, et al. **Br J Obstet Gynaecol** 1981 Mar;88(3):231–5

Fluorescein angiography in toxaemia of pregnancy. Mabie WC, et al. **Br J Ophthalmol** 1980 Sep;64(9):666–71

Vaginal bleeding in early pregnancy [letter] Bignall JC, et al. **Br Med J** 1980 Sep 6;281(6241):679

Gestational mania [letter] Kubacki A. **Can J Psychiatry** 1980 Oct;25(6):525–7

Use of qualitative serum beta-choriogonadotropin test to monitor problem pregnancies [letter] Edwards L, et al. **Clin Chem** 1981 Feb;27(2):339–41

Acute abdominal pain in the pregnant patient due to pancreatitis, acute appendicitis, cholecystitis, or peptic ulcer disease. DeVore GR. **Clin Perinatol** 1980 Sep; 7(2):349–69 (90 ref.)

Use of ultrasound in complicated pregnancies. Hobbins JC. **Clin Perinatol** 1980 Sep;7(2):397–411

Use of biochemical indices in the management of high risk obstetric patients. Tulchinsky D. **Clin Perinatol** 1980 Sep; 7(2):413–21

Ultrasonographic confirmation of acute biliary obstruction at term gestation. Flaherty JF, et al. **Diagn Gynecol Obstet** 1981 Spring;3(1):87–90

Monoamniotic twin pregnancy and modern obstetrics: report of a case with a peculiar cord complication. Kassam SH, et al. **Diagn Gynecol Obstet** 1980 Fall;2(3):213–20

Cotton fever and pregnancy. A confusing clinical problem. Wright J, et al. **Diagn Gynecol Obstet** 1980 Winter; 2(4):283–5

The optimality concept [editorial] Prechtl HF. **Early Hum Dev** 1980 Sep;4(3):201–5

Obstetrical condition and neonatal neurological morbidity. An analysis with the help of the optimality concept. Touwen BC, et al. **Early Hum Dev** 1980 Sep;4(3):207–28

Brain tumors and pregnancy. Presentation of a case and a review of the literature. Chaudhuri P, et al. **Eur J Obstet Gynaecol Reprod Biol** 1980 Oct;11(2):109–14

Pregnancy: a factor influencing the course of multiple sclerosis? Ghezzi A, et al. **Eur Neurol** 1981;20(2):115–7

Sinusoidal pattern of uterine contractions in abruptio placentae. Caspi B, et al. **Int J Gynaecol Obstet** 1980 May-Jun;17(6):615–6

Vitamin B6 status during pregnancy. Vir SC, et al. **Int J Vitam Nutr Res** 1980;50(4):403–11

An overview of high-risk pregnancy. Crosby WM, et al. **J Okla State Med Assoc** 1981 Jan;74(1):12–8

Spontaneous uterine rupture. Dainer MJ. **J Reprod Med** 1981 Jan;26(1):35–7

Hyperfunctioning parathyroid carcinoma presenting as acute pancreatitis in pregnancy. Hess HM, et al. **J Reprod Med** 1980 Aug;25(2):83–7

The role of colposcopy in the management of cervical intraepithelial neoplasia during pregnancy and postpartum. Kohan S, et al. **J Reprod Med** 1980 Nov;25(5):279–84

Ultrasonic diagnosis of placental abnormalities in situ. Mulhern CB Jr, et al. **JAMA** 1980 Nov 21;244(20):2339–41

Sonographic characteristics of congenital uterine abnormalities and associated pregnancy. Jones TB, et al. **JCU** 1980 Oct;8(5):435–7

Maternal hepatoma detected during serum AFP screening [letter] Haddow JE, et al. **Lancet** 1980 Oct 11;2(8198):806–7

Ultrasound in obstetrics [letter] Neilson JP, et al. **Lancet** 1981 Jul 11;2(8237):94

Maternal hyperprolinaemia [letter] Whelan DT, et al. **Lancet** 1980 Nov 1;2(8201):981–2

Ultrasonic diagnosis in obstetrics and gynecology. Kratochwil A. **Med Prog Technol** 1980 Sep;7(4):157–67 (34 ref.)

Connective tissue disease in pregnancy. Spiera H. **Mt Sinai J Med (NY)** 1980 Sep-Oct;47(5):438–41

Gallbladder volume in cholestasis of pregnancy [letter] Ylötalo P, et al. **N Engl J Med** 1981 Feb 5;304(6):359

Real-time ultrasound in office obstetrics. Keeney GT. **NC Med J** 1980 Nov;41(11):735–9

Nonreactive inactive nonstress test; significance, management, and neonatal outcome. Ayromlooi J. **NY State J Med** 1980 Nov;80(12):1840–6

Measurement of the uterus and gestation sac by ultrasound in early normal and abnormal pregnancy. Chandra M, et al. **NZ Med J** 1981 Jan 14;93(675):3–5

Angular intrauterine pregnancy. Jansen RP, et al. **Obstet Gynecol** 1981 Aug;58(2):167–75

Noncardiogenic pulmonary edema and invasive cardiovascular monitoring. Keefer JR, et al. **Obstet Gynecol** 1981 Jul;58(1):46–51

Hydatidiform mole with a surviving coexisting fetus. Suzuki M, et al. **Obstet Gynecol** 1980 Sep;56(3):384–8

Acute hepatic failure at term. Diagnostic problems posed by broad clinical spectrum. Riely CA. **Postgrad Med** 1980 Sep;68(3):118–22, 125–7

Prolapse of the amniotic sac ('hourglass membranes'): ultrasound appearance. McGahan JP, et al. **Radiology** 1981 Aug;140(2):463–6

True gestational epilepsy [letter] Mphahlele M. **S Afr Med J** 1980 Oct 4;58(14):550

Acute appendicitis in pregnancy. Farquharson RG. **Scott Med J** 1980 Jan;25(1):36–8

Cervical intraepithelial neoplasia during pregnancy. Fowler WC Jr, et al. **South Med J** 1980 Sep;73(9):1180–5

Perinatal risk factors in gravidas with moderate renal impairment. Weiser EB, et al. **South Med J** 1980 Sep; 73(9):1226–8

Primary hepatocarcinoma in pregnancy. Egwuatu VE. **Trans R Soc Trop Med Hyg** 1980;74(6):793–4

Selection criteria for oxytocin stress test. Solum T, et al. **Z Geburtshilfe Perinatol** 1980 Jun;184(3):200–4

[Current aspects in predicting labor in women with pathological pregnancies] Penev I, et al. **Akush Ginekol (Sofiia)** 1980;19(5–6):447–51 **(Bul)**

[Assessment of increased perinatal risk by radioimmunological measurement of chorionic somatomammotropin and plasma renin activity and by localization of the placenta (scintigraphically) and study of ureteroplacental blood circulation] Teodoru GK, et al. **Akush Ginekol (Sofiia)** 1981;20(1):26–34 (Eng. Abstr.) **(Bul)**

[Pulsogram in women: preliminary report of 1,137 cases (author's transl)] Zhang LR. **Chung Hua Fu Chan Ko Tsa Chih** 1980 Jul;15(3):156–8 **(Chi)**

[Evaluation of the severity of cholestatic hepatosis in pregnant women (author's transl)] Fuchs V, et al. **Bratisl Lek Listy** 1981 Jan;75(1):3–9 (Eng. Abstr.) **(Cze)**

[Possibilities in evaluation of endocrine functions of the foetoplacental unit in risk pregnancies (author's transl)] Donát J, et al. **Cesk Gynekol** 1980 Jul;45(6):371–8 (Eng. Abstr.) **(Cze)**

[Use of the trans-vaginal puncture of the urinary bladder in the diagnosis of urinary tract infections in pregnancy] Dušek H, et al. **Cesk Gynekol** 1980 Sep;45(8):581–3 **(Cze)**

[Use of the gravidogram in the prenatal care and diagnosis of pathological states in pregnancy] Hanousek L, et al. **Cesk Gynekol** 1981 May;46(4):308–14 **(Cze)**

[Standardization of the laboratory diagnosis of risk pregnancy] Stembera Z. **Cesk Gynekol** 1980 Jul;45(6):412–6 **(Cze)**

[Early occurrence of icterus in pregnancy with intake of oral contraceptives] Knudsen MT. **Ugeskr Laeger** 1980 Sep 8; 142(37):2425–6 (Eng. Abstr.) **(Dan)**

[Prognosis and treatment of threatened abortion. B. Plasma hormone determinations in the prognostic evaluation of hemorrhage in the first trimester of pregnancy] Crépin G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(1):67–72 **(Fre)**

[Adequate use and quality control of ultrasonography in gynecology and obstetrics] Levi S. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(1):15–8 **(Fre)**

[Acute appendicitis during pregnancy and the puerperium. Difficulties of diagnosis and treatment] Leroy JL. **Med Chir Dig** 1981;10(2):143–7 (Eng. Abstr.) **(Fre)**

[Appendiceal endometriosis disclosed by pregnancy] Pigne A, et al. **Med Chir Dig** 1980;9(8):721–2 **(Fre)**

[Prenatal monitoring] Thoumsin HJ. **Rev Med Liege** 1980 Sep 1;35(17):574–5 **(Fre)**

[Use of echography in first trimester abnormal pregnancy] Hébert G, et al. **Union Med Can** 1980 Jul;109(7):1035–42 (Eng. Abstr.) **(Fre)**

[Diseases of the esophagus, pancreas and large intestine in pregnancy] Mörl M. **Fortschr Med** 1981 Aug 6; 99(29):1144–7 **(Ger)**

[Pregnancy-conditioned dilatation of the calyceal system-sonographic diagnosis and urologic control (author's transl)] Bernaschek G, et al. **Geburtshilfe Frauenheilkd** 1981 Mar;41(3):208–12 (Eng. Abstr.) **(Ger)**

[The value of radio-isotope investigations of the urinary tract for the diagnosis of urinary tract calculi during pregnancy (author's transl)] Voigt R, et al. **Geburtshilfe Frauenheilkd** 1980 Oct;40(10):863–7 (Eng. Abstr.) **(Ger)**

[The pregnant and non-pregnant rudimentary horn of an uterus (author's transl)] Zeibekis N, et al. **Geburtshilfe Frauenheilkd** 1980 May;40(5):401–5 (Eng. Abstr.) **(Ger)**

[Improved diagnosis of pregnancy-associated gynaecological emergencies via rapid beta-HCG test (author's transl)] Ranta T, et al. **Geburtshilfe Fraunheilkd** 1981 Feb; 41(2):91–2 (Eng. Abstr.) **(Ger)**

[Obstetrical and gynecological significance of Meckel's diverticulum. Review] Jaluvka V. **Gynaekol Rundsch** 1980; 20(1):11–21 **(Ger)**

[Intrahepatic pregnancy cholestasis] Dietl J. **Med Welt** 1981 Mar 20;32(12):387–9 **(Ger)**

[Acute pancreatitis in pregnancy] Stock KP, et al. **Med Welt** 1981 Jan 2;32(1):18–20 **(Ger)**

[Clinical assessment of renal function in oedemas during pregnancy (author's transl)] Voigt R, et al. **Z Geburtshilfe Perinatol** 1980 Dec;184(6):438–42 (Eng. Abstr.) **(Ger)**

[Diabetes insipidus and pregnancy (author's transl)] Barchatowa TP, et al. **Zentralbl Gynaekol** 1980; 102(20):1148–50 (Eng. Abstr.) **(Ger)**

[Position of patient-relevance to isotope nephrography in second half of pregnancy (author's transl)] Jiratko K, et al. **Zentralbl Gynaekol** 1980;102(18):1045–51 (Eng. Abstr.) **(Ger)**

[Diagnosis and therapy of 36 alleged early forms of cervical carcinoma in pregnancy (author's transl)] Philipp E. **Zentralbl Gynaekol** 1980;102(13):709–14 (Eng. Abstr.) **(Ger)**

[Clinical experience obtained from antepartal CTG evaluation according to Fischer, Hammacher, Hodr and Kubli. First communication: Fischer score (author's transl)] Wilken HP, et al. **Zentralbl Gynaekol** 1980;102(1):12–6 (Eng. Abstr.) **(Ger)**

[The laboratory in obstetrics: routine use of automatic apparatus] Di Nisio Q, et al. **Ann Ostet Ginecol Med Perinat** 1981;102(2):133–43 (Eng. Abstr.) **(Ita)**

[Intrahepatic cholestasis and fetal prognosis (author's transl)] Merialdi A, et al. **Ateneo Parmense [Acta Biomed]** 1980; 51(4):347–50 (Eng. Abstr.) **(Ita)**

[Diagnostic and therapeutic problems in thyroid diseases in pregnancy] Belforte L, et al. **Minerva Ginecol** 1981 Feb-Mar;33(2-3):197–206 (Eng. Abstr.) **(Ita)**

[Cardiotocographic findings during amniocentesis in monitoring high-risk pregnancies] Paladini A, et al. **Minerva Ginecol** 1980 Oct;32(10):881–6 (Eng. Abstr.) **(Ita)**

[Diagnostic and therapeutic considerations on embryonated mole] Paparella P, et al. **Minerva Ginecol** 1980 Oct; 32(10):875–80 (Eng. Abstr.) **(Ita)**

[Early diagnosis of pheochromocytoma in pregnancy] Bolli G, et al. **Minerva Med** 1981 May 7;72(18):1147–52 (Eng. Abstr.) **(Ita)**

[The laboratory in monitoring high-risk pregnancy] Radillo L, et al. **Quad Sclavo Diagn** 1981 Jun;17(2):164–71 (Eng. Abstr.) **(Ita)**

[Gynecological pathology in obstetrics revealed by ultrasonics] Centini G, et al. **Riv Ital Ginecol** 1977 Nov-Dec;58(6):461–72 (Eng. Abstr.) **(Ita)**

[Diagnosis in the field of obstetrics (author's transl)] Kobayashi M. **Rinsho Hoshasen** 1980;25(10):1115–29 **(Jpn)**

[Uterine torsion in pregnancy] Løken KE, et al. **Tidsskr Nor Laegeforen** 1980 Dec 10;100(34–36):2041 (Eng. Abstr.) **(Nor)**

[Acute fatty liver in pregnancy] Mosvold J. **Tidsskr Nor Laegeforen** 1981 Mar 30;101(9–10):577–8 (Eng. Abstr.) **(Nor)**

[Mechanical intestinal obstruction in pregnancy] Chojnacki A, et al. **Ginekol Pol** 1980 Aug;51(8):737–9 (Eng. Abstr.) **(Pol)**

[Acute pancreatitis in advanced pregnancy, labor and puerperium] Lembrych S. **Ginekol Pol** 1981;52(3):261–3 (Eng. Abstr.) **(Pol)**

[Disorders of thyroid function in pregnant women and newborn infants] Pisarek-Miedzińska D. **Ginekol Pol** 1981; 52(4):393–5 **(Pol)**

[Diagnostic value of determination of blood serum glutamyl transpeptidase in pregnant women with intrahepatic cholestasis] Wójcicka J, et al. **Ginekol Pol** 1980 Jun; 51(6):491–8 (Eng. Abstr.) **(Pol)**

[Point and classical evaluation of the colpocytograms in high-risk 3d trimester pregnancy] Zywar R, et al. **Ginekol Pol** 1981;52(3):231–6 (Eng. Abstr.) **(Pol)**

[Sialorrhea in pregnancy] Strehl C, et al. **Wiad Lek** 1980 Oct 15;33(20):1677–9 (Eng. Abstr.) **(Pol)**

[Vomiting of pregnant women] Barkhatova TP, et al. **Akush Ginekol (Mosk)** 1980 Dec;(12):48–50 **(Rus)**

[Experience with the management of pregnancy and labor in pelvic presentation] Chernukha EA, et al. **Akush Ginekol (Mosk)** 1980 Jul;(7):45–6 **(Rus)**

[Scanning in the real-time mode and its importance in obstetrics] Demidov VN. **Akush Ginekol (Mosk)** 1981 Jan; (1):60–2 **(Rus)**

[Course of pregnancy and the outcome of labor in pelvic fetal presentations] Dobrovol'skaia LV, et al. **Akush Ginekol (Mosk)** 1980 Jul;(7):34–6 (Eng. Abstr.) **(Rus)**

[Course and management of prolonged pregnancy and labor] Golota VIa, et al. **Akush Ginekol (Mosk)** 1980 Jul;(7):21–4 (Eng. Abstr.) **(Rus)**

[Acute pancreatitis and pregnancy] Ivanov IP, et al. **Akush Ginekol (Mosk)** 1980 Dec;(12):5–7 (31 ref.) **(Rus)**

[Diagnostic potentials of ultrasonic scanning in acute pyelonephritis during pregnancy] Shabad AL, et al. **Akush Ginekol (Mosk)** 1981 Mar;(3):51–3 (Eng. Abstr.) **(Rus)**

[Diagnosis and treatment of biliary tract diseases in pregnant women] Shekhtman MM, et al. **Akush Ginekol (Mosk)** 1981 Mar;(3):58–60 **(Rus)**

[Activity of the thermostable fraction of alkaline phosphatase in the blood of pregnant women] Snopkova LV, et al. **Lab Delo** 1980;(10):584–6 (Eng. Abstr.) **(Rus)**

[Systemic lupus erythematosus and pregnancy] Shekhtman MM, et al. **Sov Med** 1980;(10):62–5 **(Rus)**

[Endoscopic study methods in the diagnosis of the initial forms of cervical cancer in pregnant women] Garmanova NV, et al. **Vopr Onkol** 1981;27(3):72–6 (Eng. Abstr.) **(Rus)**

[Systemic lupus erythematosus, pregnancy, and labor] Popović D, et al. **Jugosl Ginekol Opstet** 1980 May-Aug; 19(3–4):195–9 (Eng. Abstr.) **(Scr)**

[Classification of high risk pregnancy] Pazmiño de Osorio S. **Bol Of Sanit Panam** 1981 Mar;90(3):239–44 (Eng. Abstr.) **(Spa)**

[Perinatal management of nephrotic syndrome during pregnancy. Analysis of 12 cases] Karchmer S, et al. **Ginecol Obstet Mex** 1980 Jun;47(284):399–410 (Eng. Abstr.) **(Spa)**

DIET THERAPY

Maternal phenylketonuria: abnormal baby despite low phenylalanine diet during pregnancy. Scott TM, et al. **Arch Dis Child** 1980 Aug;55(8):634–7

Adolescent pregnancy and nutrition. Carruth BR. **J Med Soc NJ** 1981 Mar;78(3):217–8

Cholesterol-free diet and the physiologic hyperlipidemia of pregnancy in familial hypercholesterolemia. Glueck CJ, et al. **Metabolism** 1980 Oct;29(10):949–55

Maternal phenylketonuria and hyperphenylalaninemia. An international survey of the outcome of untreated and treated pregnancies. Lenke RR, et al. **N Engl J Med** 1980 Nov 20;303(21):1202–8

[Nutrition in pregnancy complicated by concomitant liver and biliary tract diseases] Lipovskiĭ SM. **Akush Ginekol (Mosk)** 1980 Jul;(7):57–8 **(Rus)**

DRUG THERAPY

Treatment of maternal hyperthyroidism with antithyroid agents and changes in thyrotrophin and thyroxine in the newborn. Lamberg BA, et al. **Acta Endocrinol (Copenh)** 1981 Jun;97(2):186–95

Successful pregnancy during combination chemotherapy for Hodgkin's disease. Daly H, et al. **Acta Haematol (Basel)** 1980;64(3):154–6

Do newborns of epileptics on anticonvulsants develop biochemical signs of osteomalacia? Christiansen C, et al. **Acta Neurol Scand** 1980 Sep;62(3):158–64

Problems of lithium maintenance treatment during pregnancy, delivery and lactation. Schou M, et al. **Agressologie** 1980;21(A):7–9

Management of the pregnant asthmatic patient. Turner ES, et al. **Ann Intern Med** 1980 Dec;93(6):905–18 (126 ref.)

Anterior spinal artery syndrome during the postpartum period [letter] Bale JF Jr, et al. **Arch Neurol** 1981 Apr; 38(4):263–4

Infants of mothers receiving gold therapy [letter] Cohen DL, et al. **Arthritis Rheum** 1981 Jan;24(1):104–5

Rosacea, metronidazole and pregnancy [letter] Guilhou JJ, et al. **Br J Dermatol** 1980 Nov;103(5):585–6

Two pregnancies in a woman with Cushing's syndrome treated with cyproheptadine. Case report. Kasperlik-Załuska A, et al. **Br J Obstet Gynaecol** 1980 Dec;87(12):1171–3

Hyperthyroidism complicating pregnancy: results of treatment by antithyroid drugs in 77 pregnancies. Sugrue D, et al. **Br J Obstet Gynaecol** 1980 Nov;87(11):970–5

Long-term follow-up of mothers who received high doses of stilboestrol and ethisterone in pregnancy [letter] Vance MA, et al. **Br Med J** 1980 Dec 13;281(6255):1638

Treatment of acute leukemia during pregnancy: presentation of nine cases. Pizzuto J, et al. **Cancer Treat Rep** 1980 Apr-May;64(4-5):679–83

The management of essential hypertension during pregnancy. Sullivan JM. **Clin Cardiol** 1979 Oct;2(5):368–74 (47 ref.)

Carbamazepine in two pregnancies. Hicks EP. **Clin Exp Neurol** 1979;16:269–75

Medication and pregnancy. Biggs JS, et al. **Drugs** 1981 Jan; 21(1):69–75

Iron deficiency anaemia during pregnancy a comparative trial of treatment by iron-poly (sorbitol-gluconic acid) complex Ferastral given intramuscularly and iron dextran (Imferon) by total dose infusion. Oluboyede OA, et al. **East Afr Med J** 1980 Sep;57(9):626–33

Indications for bendectin narrowed. **FDA Drug Bull** 1981 Mar;11(1):1–3

Sulfasalazine, IBD, and pregnancy [letter] Gluckmann RF. **Gastroenterology** 1981 Jul;81(1):194

Pregnancy in inflammatory bowel disease: effect of sulfasalazine and corticosteroids on fetal outcome. Mogadam M, et al. **Gastroenterology** 1981 Jan;80(1):72–6

Dermatoses of pregnancy. Sasseville D, et al. **Int J Dermatol** 1981 May;20(4):223–41 (67 ref.)

Pregnancy in an acromegalic after bromocriptine therapy. O'Herlihy C. **Ir J Med Sci** 1980 Jul;149(7):281–2

Hypoparathyroidism during pregnancy: treatment with calcitriol. Salle BL, et al. **J Clin Endocrinol Metab** 1981 Apr;52(4):810–3

Safety of drug therapy for nausea and vomiting of pregnancy. Huff PS. **J Fam Pract** 1980 Nov;11(6):969–70 (19 ref.)

Oral phosphates treatment of hypercalcemia in pregnancy. Levy HA, et al. **J Med Soc NJ** 1981 Feb;78(2):113–5

Antiepileptic drugs, the developing nervous system, and the pregnant woman with epilepsy [editorial] Swaiman KF. **JAMA** 1980 Sep 26;244(13):1477

D-penicillamine in pregnancy--to ban or not to ban? Endres W. **Klin Wochenschr** 1981 Jun 1;59(11):535–7

Two pregnancies in a patient with acrodermatitis enteropathica treated with zinc sulphate. Brenton DP, et al. **Lancet** 1981 Sep 5;2(8245):500–2

Dangers of tetracyclines in pregnancy [letter] Batagol R. **Med J Aust** 1980 Nov 15;2(10):578

Neonatal thyroid function after propylthiouracil therapy for maternal Graves' disease. Cheron RG, et al. **N Engl J Med** 1981 Feb 26;304(9):525–8

Pregnancy and PTU [editorial] Solomon DH. **N Engl J Med** 1981 Feb 26;304(9):538–9

Treatment of asthma in pregnancy [letter] Marx CM, et al. **Obstet Gynecol** 1981 Jun;57(6):766–7

Plasma levels and clinical effects of antiepileptic drugs in pregnant epileptic patients and their newborns. Bossi L, et al. **Obstet Gynecol Surv** 1980 Sep;35(9):561–2

Pregnancy in Sheehan's syndrome. Report of a case and review. Grimes HG, et al. **Obstet Gynecol Surv** 1980 Aug; 35(8):481–8 (88 ref.)

Partial or complete regression of hyperprolactinemic amenorrhea-galactorrhea syndrome after bromocriptine-induced pregnancy. Molinatti GM, et al. **Panminerva Med** 1980 Jul-Sep;22(3):125–30

Heparinoid cream in pregnancy--associated superficial thrombophlebitis. O'Herlihy C. **Practitioner** 1980 Nov; 224(1349):1202–3

Prostaglandins for the management of anencephalic pregnancy. Thiery M, et al. **Prostaglandins** 1981 Feb; 21(2):207–15

Studies support Bendectin safety claim [news] Smith RJ. **Science** 1981 Jun 26;212(4502):1485

Intranasal steroid injection during pregnancy. Mabry RL. **South Med J** 1980 Sep;73(9):1176–9

[Clinical trial with TRI-OM gel in pyrosis due to pregnancy (author's transl)] Mattern L. **Praxis** 1980 Oct 28; 69(43):1588–91 (Eng. Abstr.) **(Fre)**

[Drug effects on embryo and fetus. Part 1: Teratogenic and toxic drug effects] Reinhardt D, et al. **Fortschr Med** 1981 Jun 25;99(24):963–8 **(Ger)**

[Serum progesterone levels in normal and early complicated pregnancy] Friedrich F, et al. **Gynaekol Rundsch** 1980 Jun; 20 Suppl 2:217–9 **(Ger)**

[Pregnancy and immunosuppressive agents] von Fischer B, et al. **Gynakol Rundsch** 1981;21(3):141–58 **(Ger)**

[Risks of ergot alkaloids in obstetrics] Walter U. **Med Monatsschr Pharm** 1979 Mar;2(3):76–80 **(Ger)**

[Pharmacotherapy during pregnancy. Teratological aspects (author's transl)] Held KR. **MMW** 1981 Aug 7; 123(32-33):1235–8 (Eng. Abstr.) **(Ger)**

[Pharmacotherapy in pregnancy. Part 4. Antidiabetics, antiemetics, neuroleptics and hormones] Kitschke HJ, et al. **MMW** 1980 Dec 12;122(50):44–5 **(Ger)**

[Pharmacotherapy in pregnancy] Kitschke HJ. **MMW** 1980 Nov 21;122(47):suppl 53–4 **(Ger)**

[Psychotropic drugs and pregnancy: a review (author's

transl)] Thiels C.
Pharmakopsychiatr Neuropsychopharmakol 1980 Nov; 13(6):301–17 (Eng. Abstr.) **(Ger)**

[Azulfidine/Salazopyrin therapy during pregnancy] Fahrländer H. **Z Gastroenterol [Verh]** 1981 Jun;19:24–6 **(Ger)**

[Therapy of iron–folic acid deficiency in pregnancy] Buss M. **ZFA (Stuttgart)** 1981 Aug 10;57(22):1526–32 **(Ger)**

[Developmental anomalies in offsprings of epileptic mothers] Polgár M, et al. **Orv Hetil** 1981 May 17;122(20):1185–7 **(Hun)**

[Psychological and neurosomatic follow–up studies of children of mothers treated with dexamethasone] Veszelovszky I, et al. **Orv Hetil** 1981 Mar 15; 122(11):629–31 **(Hun)**

[Epilepsy and pregnancy: retrospective study of 50 cases of pregnancy in epileptic women] Tartara A, et al.
Ann Ostet Ginecol Med Perinat 1981 May–Jun; 102(3):200–11 (Eng. Abstr.) **(Ita)**

[The use of prostaglandin F2–alpha in obstetrics] Calderone F, et al. **Minerva Ginecol** 1980 Nov;32(11):965–70 (Eng. Abstr.) **(Ita)**

[Metabolism and toxicity of drugs used during pregnancy and perinatal period] Prandota J, et al. **Pediatr Pol** 1980 Apr;55(4):517–24 (39 ref.) **(Pol)**

[Drug treatment during pregnancy and state of the blood coagulation system in the newborn infant] Domula M, et al. **Akush Ginekol (Mosk)** 1980 Aug;(8):38–40 (Eng. Abstr.) **(Rus)**

[Adriamycin and pregnancy (letter)] Cervantes F, et al. **Sangre (Barc)** 1980;25(5):627 **(Spa)**

ECONOMICS

[Attempt at cost and benefit analysis in the perinatal range (author's transl)] Hochuli E. **Z Geburtshilfe Perinatol** 1980 Dec;184(6):383–94 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Adaptive changes in uterine distribution of lactate dehydrogenase isoenzymes during protein malnutrition and steroid maintained pregnancy in rats. Singh RK, et al. **Horm Metab Res** 1980 Dec;12(12):697–701

beta–Glucuronidase activity in amniotic fluid. Kamarýt J, et al. **J Clin Chem Clin Biochem** 1980 Oct;18(10):611–4

Alterations in maternal and fetal prostaglandin dehydrogenase as a result of maternal ethanol consumption. Pennington SN, et al. **Prostaglandins Med** 1980 Aug; 5(2):69–78

[Monoamine oxidase in human placenta in normal and pathological pregnancy] Turzański L. **Ginekol Pol** 1980 May;51(5):379–88 (Eng. Abstr.) **(Pol)**

[Enzyme activity in the placenta in pregnancies at risk] Zhantieva EM. **Akush Ginekol (Mosk)** 1980 Aug;(8):48–51 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Systemic lupus erythematosus and pregnancy. Boelaert J, et al. **Acta Clin Belg** 1980;35(3):183–92 (50 ref.)

Maternal alcohol and tobacco use and nausea and vomiting during pregnancy: relation to infant birthweight. Little RE. **Acta Obstet Gynecol Scand** 1980;59(6):495–7

Influence of maternal distress during pregnancy on complications in pregnancy and delivery. Blomberg S. **Acta Psychiatr Sc...** 1980 Nov;62(5):399–404

A study on the effects of induced abortion on subsequent pregnancy outcome. Madore C, et al.
Am J Obstet Gynecol 1981 Mar 1;139(5):516–21

Evidence refuting a role for increased abdominal pressure in the pathogenesis of the heartburn associated with pregnancy. Van Thiel DH, et al. **Am J Obstet Gynecol** 1981 Jun 15;140(4):420–2

Pituitary tumor made symptomatic during hormone therapy and induced pregnancy. Mills RP, et al.
Ann Ophthalmol 1979 Nov;11(11):1672–6

The obstetric and gynaecological complications of bladder exstrophy and epispadias. Blakeley CR, et al.
Br J Obstet Gynaecol 1981 Feb;88(2):167–73

Acute liver disease with encephalopathy and renal failure in late pregnancy and the early puerperium -- a study of fourteen patients. Davies MH, et al.
Br J Obstet Gynaecol 1980 Nov;87(11):1005–14

A complication in pregnancy due to severe burns in childhood. Haeseker B, et al. **Br J Plast Surg** 1981 Jan; 34(1):102–4

Sulfobromophthalein clearance tests before and after ethinyl estradiol administration, in women and men with familial history of intrahepatic cholestasis of pregnancy. Reyes H, et al. **Gastroenterology** 1981 Aug;81(2):226–31

Spontaneous early rupture of a pregnant uterus. Poma PA, et al. **IMJ** 1981 Jun;159(6):378–80

Pregnancy and labor of grand multiparous Sudanese women. Aziz FA. **Int J Gynaecol Obstet** 1980 Sep–Oct;18(2):144–6

Infertility in association with high–risk obstetrics. Sanfilippo JS. **J Ky Med Assoc** 1981 Apr;79(4):209–11

The benefits and hazards of fetal monitoring under competent and objective aspects. Baumgarten K. **J Perinat Med** 1981; 9 Suppl 1:60–2

Pregnancy following renal transplantation. Parsons V, et al. **J R Soc Med** 1979 Nov;72(11):815–7

Smoking and pregnancy outcome. Schramm W. **Mo Med** 1980 Oct;77(10):619–26

Pregnancy in hypothalamic hypopituitarism. Gossain VV, et al. **Obstet Gynecol** 1980 Dec;56(6):762–6

Polyhydramnios and acute renal failure. Hamilton DV, et al. **Postgrad Med J** 1980 Nov;56(661):798–9

Effects of ultrasound on the mouse exposed at different stages of gestation: acute studies. Stolzenberg SJ, et al.
Radiat Environ Biophys 1980;17(3):245–70

The significance of tachycardia during antenatal fetal heart rate monitoring. Odendaal HJ, et al. **S Afr Med J** 1980 Nov 29;58(22):881–4

An unusual case of maternal death. Watson R, et al.
Scott Med J 1980 Jul;25(3):241–2

Adolescent age and obstetric risk. Carey WB, et al.
Semin Perinatol 1981 Jan;5(1):9–17

Retinopathy in toxemia of pregnancy. Kline LB.
South Med J 1981 Jan;74(1):34–6

Scuba diving and fetal well–being: a survey of 208 women. Bolton ME. **Undersea Biomed Res** 1980 Sep;7(3):183–9

Dysmature infants in women with jejunoileal bypass. Eriksen PS, et al. **Z Geburtshife Perinatol** 1980 Feb;184(1):51–3

Course of pregnancy and family history in children with malformations of the urinary tract. Angerpointer TA, et al. **Z Kinderchir** 1981 May;33(1):54–64

[Ocular hypotension and cataract in pregnancy, apropos of a case] Meur G, et al. **Bull Soc Belge Ophtalmol** 1980; 187(2):83–7 (Eng. Abstr.) **(Fre)**

[Placental localisation of cancer of the cervix (author's transl)] Cailliez D, et al.
J Gynecol Obstet Biol Reprod (Paris) 1980;9(4):461–3 (Eng. Abstr.) **(Fre)**

[Dyspnea and obstetrics (author's transl)] De Grandi P, et al. **Ther Umsch** 1981 Feb;38(2):105–10 (Eng. Abstr.) **(Fre)**

[Premature labor. A retrospective study of over 2000 premature labors at the university gynecologic clinic in Mannheim. Part 1. Pregnancy course and delivery] Hohlweg–Majert P, et al. **Fortschr Med** 1981 Jan 15; 99(1–2):31–6 **(Ger)**

[Pregnancies after ineffective interruption or intrauterine procedure in early pregnancy (author's transl)] Hardt W, et al. **Geburtshilfe Frauenheilkd** 1980 Jul;40(7):654–7 (Eng. Abstr.) **(Ger)**

[The significance of life changes for the outbreak of a disease] Siegrist J. **Med Klin** 1980 Oct 24;75(22):770–7 **(Ger)**

[Pregnancy and birth after jejunoileostomy because of adiposity (author's transl)] Albrich W, et al. **MMW** 1981 May 1;123(18):741–4 (Eng. Abstr.) **(Ger)**

[Pregnancy and delivery in 12 to 15 year–old girls (author's transl)] Spernol R, et al. **Wien Klin Wochenschr** 1981 May 29;93(11):348–51 (Eng. Abstr.) **(Ger)**

[Pregnancy, delivery, and puerperium of elderly primigravidae (author's transl)] Bley J, et al.
Zentralbl Gynaekol 1981;103(10):557–63 (Eng. Abstr.) **(Ger)**

[Pancreatitis and pregnancy – a contribution to the discussion on pathogenesis (author's transl)] Diener L, et al.
Zentralbl Gynaekol 1981;103(2):76–81 (Eng. Abstr.) **(Ger)**

[Pregnancy in severe condition, following poliomyelitis (author's transl)] Schmidt W, et al. **Zentralbl Gynaekol** 1981;103(2):82–5 (Eng. Abstr.) **(Ger)**

[Prospective studies into pregnancies of primiparae with record of therapeutic termination of previous pregnancies or of spontaneous abortion and assessment of fertility. First communication (author's transl)] Schott G, et al.
Zentralbl Gynaekol 1980;102(16):932–8 (Eng. Abstr.) **(Ger)**

[Clinical problems of uterine rupture in pregnancy and labor] Gustowski A, et al. **Wiad Lek** 1980 Nov 15;33(22):1819–24 (Eng. Abstr.) **(Pol)**

[Pathogenesis of pyelonephritis in pregnant women and n puerperium] Pytel'IuA, et al. **Urol Nefrol (Mosk)** 1981 Jul–Aug;(4):47–54 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Pregnancy, a temporary fetal graft of suppressor cells in autoimmune disease? Froelich CJ, et al. **Am J Med** 1980 Sep;69(3):329–31

Immune complexes (ICs) and pregnancy. Pregnancy as an IC–state or IC–disease and the influence of IC–diseases on pregnancy. Gleicher N, et al. **Diagn Gynecol Obstet** 1980 Spring;2(1):7–31 (227 ref.)

Acetylcholine receptor antibodies in infants of mothers with myasthenia gravis. Ohta M, et al. **Neurology (NY)** 1981 Aug;31(8):1019–22

[Mechanism of action of a serum factor in some types of pregnancy pathology on various smooth muscles (in vitro experiments)] Lukanov Iu, et al. **Akush Ginekol (Sofiia)** 1981;20(2):91–7 (Eng. Abstr.) **(Bul)**

[Aspects of ABO blood group incompatibility in the pre– and postnatal periods] Novachev D, et al.
Akush Ginekol (Sofiia) 1980;19(4):322–8 (Eng. Abstr.) **(Bul)**

[immunoglobulins in amniotic fluid in normal pregnancy and fetal malformation (author's transl)] Ebert C, et al.
Z Geburtshife Perinatol 1980 Feb;184(1):47–50 (Eng. Abstr.) **(Ger)**

[Mixed maternal and neonatal lymphocyte culture in a normal and a complicated course of pregnancy] Bulienko SD, et al. **Akush Ginekol (Mosk)** 1980 Jul;(7):9–12 (Eng. Abstr.) **(Rus)**

METABOLISM

Ratio of human placental lactogenic hormone (hPL) in amniotic fluid/maternal serum. Nielsen PV, et al.
Acta Obstet Gynecol Scand 1981;60(1):9–12

Effects of maternal iron nutrition during lactation on milk iron and rat neonatal iron status. Anaokar SG, et al.
Am J Clin Nutr 1981 Aug;34(8):1505–12

Folacin and iron status in low–income pregnant adolescents and mature women. Bailey LB, et al. **Am J Clin Nutr** 1980 Sep;33(9):1997–2001

Abnormalities of hair zinc concentration in mothers of newborn infants with spina bifida. Bergmann KE, et al.
Am J Clin Nutr 1980 Oct;33(10):2145–50

Nutritional studies of pregnant women in East Harlem. Bowering J, et al. **Am J Clin Nutr** 1980 Sep;33(9):1987–96

Study on lactation performance of Burmese mothers. Khin–Maung–Naing, et al. **Am J Clin Nutr** 1980 Dec; 33(12):2665–8

Effects of protein and carbohydrate supplements on fetal and maternal weight and on body composition in food–restricted rats. Lederman SA, et al.
Am J Clin Nutr 1980 Sep;33(9):1912–6

Metabolic and hormonal response to chronic maternal fasting in the ewe. Schreiner RL, et al. **Ann Nutr Metab** 1981 Jan–Feb;25(1):38–47

Metabolic response to starvation in the hypothyroid pregnant rat. Herrera E, et al. **Biochem Soc Trans** 1980 Oct; 8(5):538–9

Isolated defect in human placental lactogen synthesis in a normal pregnancy. Case report. Borody IB, et al.
Br J Obstet Gynaecol 1981 Apr;88(4):447–9

Amniotic fluid reverse triiodothyronine in normal and high risk pregnancies. Tolino A, et al.
Clin Exp Obstet Gynecol 1980;7(1):62–5

Metabolism of uric acid in normal and pathologic pregnancy. Beaufils M, et al. **Contrib Nephrol** 1981;25:132–6

Skeletal changes during pregnancy and lactation: the role of vitamin D. Halloran BP, et al. **Endocrinology** 1980 Dec; 107(6):1923–9

Effect of maternal starvation during pregnancy on the postnatal growth in rats. Padmanabhan R, et al.
Indian J Med Res 1980 Nov;72:766–9

Maternal thyroid function is the major determinant of amniotic fluid 3,3',5'–triiodothyronine in the rat. El–Zaheri MM, et al. **J Clin Invest** 1981 Apr;67(4):1126–33

Biochemical evidence of vitamin D deficiency in pregnant Asian women. Bashir T, et al. **J Hum Nutr** 1981 Feb; 35(1):49–52

Malnutrition and behavior: the performance versus learning problem revisited. Halas ES, et al. **J Nutr** 1980 Sep; 110(9):1858–64

Effects of aspirin and related drugs in vitamin E–deficient rats. Machlin LJ, et al. **J Nutr** 1980 Oct;110(10):1958–64

Effects of fasting on uterine blood flow and substrate uptake in sheep. Morriss FH, et al. **J Nutr** 1980 Dec; 110(12):2433–43

Arginine deficiency during gestation and lactation in the rat. Pau MY, et al. **J Nutr** 1981 Jan;111(1):184–93

Effects of food restriction on cardiac ouput and blood flow to the uterus and placenta in the pregnant rat. Rosso P, et al. **J Nutr** 1980 Dec;110(12):2350–4

Tissue iron, copper and zinc levels in offspring of iron–sufficient and iron–deficient rats. Sherman AR, et al.
J Nutr 1981 Feb;111(2):266–75

Studies on estrogen receptors in rat uterus during protein malnutrition and steroid–maintained pregnancy. Singh RK, et al. **J Nutr** 1980 Sep;110(9):1745–53

Radioimmunoassay of SP1 (pregnancy–specific beta1–glycoprotein) in maternal blood and in amniotic fluid normal and pathologic pregnancies. Würz H, et al.
J Perinat Med 1981;9(2):67–78

Amniotic 5–androstene–3 beta, 17 alpha–diol in high risk pregnancy. Mancuso S, et al. **J Steroid Biochem** 1980 Jan; 12:95–6

Kinetics of glucose handling in renal glucosuria during pregnancy. Drexel H, et al. **Klin Wochenschr** 1980 Dec 1;58(23):1299–306

Hyperglycemia and major congenital anomalies [letter] Ely JT. **N Engl J Med** 1981 Oct 1;305(14):833

Effect of intoxication of pregnant rats with ronnel on the activity of brain mitochondrial oxidoreductases in the progeny. Zalewska Z. **Neuropatol Pol** 1980 May–Jun; 18(2):219–26

Phenytoin metabolism in pregnancy. Kochenour NK, et al.
Obstet Gynecol 1980 Nov;56(5):577–82

Fetal and neonatal responses to maternal canine starvation: circulating fuels and neonatal glucose production. Kliegman RM, et al. **Pediatr Res** 1981 Jun;15(6):945–51

Lactation, pregnancy and metabolic disorder in the ruminant. Baird GD. **Proc Nutr Soc** 1981 Jan;40(1):115–20

HPL, beta 1SP1–glycoprotein and LAP in the normal and pathological pregnancy. Gamberini G, et al.
Ric Clin Lab 1980 Jan–Mar;10(1):233–7

[Iron deficiency in the pregnant woman. Its repercussions on the newborn. The influence of systematic iron treatment (author's transl)] Blot I, et al.
J Gynecol Obstet Biol Reprod (Paris) 1980;9(4):489–95 (Eng. Abstr.) **(Fre)**

[Human placental lactogen, total oestrogen and pregnanediol. a comparison of the clinical relevance on a quantitative basis (author's transl)] Wolfrum R.
Z Geburtshife Perinatol 1980 Feb;184(1):64–9 (Eng. Abstr.)

(Ger)

[Copper content of sows' milk under varying supply of copper] Kirchgessner M, et al. **Z Tierphysiol Tierernaehr Futtermittelkd** 1981;45(5):261–7 (Eng. Abstr.) **(Ger)**

[Prolactin-secreting hypophyseal tumors and pregnancy: general remarks and report of a case] Russo A, et al. **Minerva Ginecol** 1980 Jul–Aug;32(7–8):609–19 (Eng. Abstr.) **(Ita)**

[Lipid metabolism in newborn infants at birth. Obstetrical-pediatric aspects] Meduri F, et al. **Minerva Med** 1980 Sep 26;71(36):2583–8 (Eng. Abstr.) **(Ita)**

[Surfactant lipoprotein concentration in amniotic fluid of abnormal pregnancies and premature deliveries (author's transl)] Higuchi M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Nov; 32(11):1767–74 (Eng. Abstr.) **(Jpn)**

[Studies on iron metabolism and iron deficiency anemia in pregnant women--theoretical discussion on the relation between serum iron level and iron dose to be administrate, and clinical result after iron therapy (author's transl)] Kurabayashi M. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Jul;32(7):833–41 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Perinatal viral infections. Grossman JH 3d. **Clin Perinatol** 1980 Sep;7(2):257–71

MORTALITY

Prevention of maternal death in a Nigerian village. Hartfield VJ, et al. **Int J Gynaecol Obstet** 1980 Sep–Oct;18(2):150–2

Maternal mortality in pregnancies complicated by kyphoscoliosis. Kreitzer M, et al. **J Med Soc NJ** 1981 Jan; 78(1):36–8

Effect of Missouri high risk maternity and child care program on perinatal mortality. Hall RT, et al. **Mo Med** 1981 May; 78(5):249–52

[How did the maternal mortality in the state of Hamburg decrease from 1973–1977? (author's transl)] Dietel H, et al. **Geburtshilfe Frauenheilkd** 1980 Jun;40(6):487–95 (Eng. Abstr.) **(Ger)**

[Pregnancy in adolescence] Herrera Lasso F, et al. **Ginecol Obstet Mex** 1980 Jul;48(285):59–68 (Eng. Abstr.) **(Spa)**

OCCURRENCE

Seasonal variation in spontaneous abortions. Warren CW, et al. **Am J Public Health** 1980 Dec;70(12):1297–9

The antenatal and perinatal characteristics of socio-economically depressed Caucasians. Cox JW. **Aust NZ J Obstet Gynaecol** 1981 Feb;21(1):20–3

Smoking during pregnancy: a review of effects on growth and development of offspring. Abel EL. **Hum Biol** 1980 Dec;52(4):593–625 (113 ref.)

Maternal factors in the epidemiology of low birth weight. Ghai OP. **Indian J Pediatr** 1980 Mar–Apr;47(385):123–8

Maternal disorders in India and their effects on the fetus. Raman L. **Indian J Pediatr** 1980 Jan–Feb;47(384):9–17

Stress incontinence during pregnancy and in puerperium. Iosif S. **Int J Gynaecol Obstet** 1981 Mar;19(1):13–20

Reproductive performance of DES-exposed female progeny. Veridiano NP, et al. **Obstet Gynecol** 1981 Jul;58(1):58–61

Pregnancy outcome for women working in laboratories in some of the pharmaceutical industries in Sweden. Hansson E, et al. **Scand J Work Environ Health** 1980 Jun;6(2):131–4

[Obstetrical aspects of perinatal mortality and morbidity] Holtorff J. **Akush Ginekol (Sofiia)** 1980;19(5–6):476–84 **(Bul)**

[Courses of pregnancy and deliveries of 107 women with longstanding desire for children. Comparison with normal group (author's transl)] Riss P, et al. **Zentralbl Gynaekol** 1980;102(19):1110–6 (Eng. Abstr.) **(Ger)**

[Adolescent pregnancy (author's transl)] Mansani FE, et al. **Ateneo Parmense [Acta Biomed]** 1980;51(4):365–9 **(Ita)**

[Characteristics of the course of pregnancy and labor in women after rehabilitation in connection with a menstrual functional disorder] Osadchaia OV. **Akush Ginekol (Mosk)** 1980 Sep;(9):23–4 **(Rus)**

[The influence of civil aviation upon the reproductive system of the woman (author's transl)] Hinšt J, et al. **Cesk Gynekol** 1981 Jul;46(6):456–9 (Eng. Abstr.) **(Slo)**

PATHOLOGY

Morphological changes in the brains of female patients who died in connection with pregnancy or delivery. Majak M, et al. **Acta Neuropathol [Suppl] (Berl)** 1981;7:375–5

Cytologic evidence for disseminated immunoblastic lymphoma. Cheson BD, et al. **Am J Clin Pathol** 1981 Apr; 75(4):621–5

Histologic stromal reaction of the host with gestational choriocarcinoma and its relation to clinical stage classification and prognosis. Ito H, et al. **Am J Obstet Gynecol** 1981 Aug 1;140(7):781–6

Large solitary luteinized follicle cyst of pregnancy and puerperium: A clinicopathological analysis of eight cases. Clement PB, et al. **Am J Surg Pathol** 1980 Oct;4(5):431–8

Pruritic folliculitis of pregnancy. Zoberman E, et al. **Arch Dermatol** 1981 Jan;117(1):20–2

Pseudo-sarcomatous polyps of the vagina in pregnancy. Case report. Davies SW, et al. **Br J Obstet Gynaecol** 1981 May; 88(5):566–8

Growth of a prolactinoma during pregnancy. Case report and review. Dommerholt HB, et al. **Br J Obstet Gynaecol** 1981 Jan;88(1):62–70

Perforation of the appendix during pregnancy: a rare complication of endometriosis. Case report. Gini PC, et al. **Br J Obstet Gynaecol** 1981 Apr;88(4):456–8

Chronic intravascular coagulation in normal pregnancy and preeclampsia. McKay DG. **Contrib Nephrol** 1981;25:108–19

Pruritic urticarial papules and plaques of pregnancy. Schwartz RA, et al. **Cutis** 1981 Apr;27(4):425–6, 432

Bilateral multiple luteinized follicular cysts associated with normal pregnancy : a case report. Laohapand T, et al. **J Med Assoc Thai** 1981 Jun;64(6):312–4

Dysplasia during pregnancy: a cytologic follow-up study. Kiguchi K, et al. **J Reprod Med** 1981 Feb;26(2):66–72

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 4–1981. **N Engl J Med** 1981 Jan 22;304(4):216–24

A follicular adenoma arising from the thyroid tissue of a benign cystic teratoma during pregnancy--lightmicroscopical, ultrastructural and endocrinological studies. Inoue M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Jul;32(7):953–9

Segmental biliary ectasia and congenital hepatic fibrosis in a patient with chromosomal abnormality. Leong AS. **Pathology** 1980 Apr;12(2):275–81

Morphological study of placental terminal villi in intrahepatic cholestasis of pregnancy: histochemistry, light and electron microscopy. Costoya AL, et al. **Placenta** 1980 Oct–Dec; 1(4):361–8

[Mammary hypertrophy and pregnancy] Dimitrov M, et al. **Akush Ginekol (Sofiia)** 1981;20(2):179–83 (Eng. Abstr.) **(Bul)**

[Idiopathic acute fatty liver of pregnancy (a report of 3 autopsied cases) (author's transl)] Fan DC. **Chung Hua Fu Chan Ko Tsa Chih** 1979;14(3):159–61 **(Chi)**

[Chorioangioma] Hansen B, et al. **Ugeskr Laeger** 1981 Feb 16;143(8):490 (Eng. Abstr.) **(Dan)**

[Ultrastructure of pregnancy granuloma (angiogranuloma)] Orosz M, et al. **Morphol Igazsagugyi Orv Sz** 1980 Jul; 20(3):170–5 (Eng. Abstr.) **(Hun)**

[Ovarian dysgerminoma in pregnancy. (Report of a case and review of the literature)] Paolina L. **Ann Ostet Ginecol Med Perinat** 1980 May–Jun; 101(3):187–203 (75 ref.) (Eng. Abstr.) **(Ita)**

[Wilms' tumor in pregnant women] Borisova-Khromenko VM, et al. **Akush Ginekol (Mosk)** 1981 Jan;(1):55–7 **(Rus)**

[Hypertrophic gingivitis in pregnant women] Ermakova FB, et al. **Stomatologiia (Mosk)** 1980 Nov–Dec;59(6):28–30 **(Rus)**

PHYSIOPATHOLOGY

Antepartal cardiotocography in the assessment of fetal outcome. Käär K. **Acta Obstet Gynecol Scand [Suppl]** 1980; Suppl 94:1–56

Influence of smoking, weight gain, and pregravid weight for height on intrauterine growth. Luke B, et al. **Am J Clin Nutr** 1981 Jul;34(7):1410–7

Uterine myomas during pregnancy [letter] Abramovici H, et al. **Am J Obstet Gynecol** 1981 Jun 15;140(4):484–5

Pregnancy in cystic fibrosis: a better prognosis in patients with pancreatic function? Corkey CW, et al. **Am J Obstet Gynecol** 1981 Aug 1;140(7):737–42

Comparative urodynamic studies of continent and stress incontinent women in pregnancy and in the puerperium. Iosif S, et al. **Am J Obstet Gynecol** 1981 Jul 15; 140(6):645–50

smoking, weight gain, and nutrition during pregnancy [letter] Rush D. **Am J Obstet Gynecol** 1981 Jan 15;139(2):233–4

Reproductive performance in rats with different histories of malnutrition. Galler JR, et al. **Br J Nutr** 1981 Mar; 45(2):251–5

Clinical significance of suspicious antepartum cardiotocograms: a study of normal and high-risk pregnancies. Keirse MJ, et al. **Br J Obstet Gynaecol** 1981 Jul;88(7):739–46

The incidence of urological symptoms in normal pregnancy. Stanton SL, et al. **Br J Obstet Gynaecol** 1980 Oct; 87(10):897–900

Effects of undernutrition on development of far-field auditory brain stem responses in rat pups. Plantz RG, et al. **Brain Res** 1981 Jun 1;213(2):319–26

Cytochemical data on DNA and protein nuclear content during the prenatal cerebellar histogenesis in the rat. Effects of maternal protein malnutrition. Bernocchi G, et al. **Cell Mol Biol** 1980;26(4):405–13

Mesangial IgA nephropathy in pregnancy. Kincaid-Smith PS, et al. **Clin Exp Hypertens** 1980;2(5):821–38

The effect of maternal smoking on carboxyhemoglobin levels and acid–base balance of the fetus. Harrison KL, et al. **Clin Toxicol** 1981 Feb;18(2):165–8

Cigarette smoking and the outcome of human pregnancies: a status report on the consequences. Johnston C. **Clin Toxicol** 1981 Feb;18(2):189–209

Pathophysiology of the urinary tract during pregnancy. Bergström H. **Contrib Nephrol** 1981;25:10–6

Effect of pregnancy on the natural history of kidney disease. Katz AI, et al. **Contrib Nephrol** 1981;25:53–60

The changing spectrum of acute renal failure in pregnancy and the post-partum period. Kincaid-Smith PS, et al. **Contrib Nephrol** 1981;25:159–65

Conservative management of suspected prolactin secreting pituitary adenoma during pregnancy. Weinstein D, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Apr;11(5):305–12

Pregnancy outcome in 45,X/46,XX mosaicism. Badawy SZ, et al. **Fertil Steril** 1981 Jan;35(1):88–90

Foetal pulmonary maturation in abnormal pregnancy. Dhall K, et al. **Indian J Med Res** 1980 Nov;72:670–6

Effects of topical and systemic folic acid supplementation on gingivitis in pregnancy. Pack AR, et al. **J Clin Periodontol** 1980 Oct;7(5):402–14

Comparative effects of ethanol and malnutrition on the development of catecholamine neurons: a long-lasting effect in the hypothalamus. Detering N, et al. **J Neurochem** 1981 Jun;36(6):2094–6

Intestinal function in infant rats: effect of maternal chronic ethanol ingestion. Ghishan FK, et al. **J Nutr** 1981 Jun; 111(6):1124–7

Influence of supplemental dietary vitamin A on the reproductive performance of iodine-toxic rats. Stowe HD, et al. **J Nutr** 1980 Oct;110(10):1947–57

Pregnancy-induced reversible visual field changes in primary empty sella syndrome. Bauman A. **NY State J Med** 1981 Jun;81(7):1095–7

Maternal obesity in pregnancy. Calandra C, et al. **Obstet Gynecol** 1981 Jan;57(1):8–12

Prenatal undernutrition: effects on behavior, brain chemistry and neuroanatomy in rats. Villescas R, et al. **Pharmacol Biochem Behav** 1981 Apr;14(4):455–62

Respiratory and hemodynamic effects of methadone in pregnant women. Metcalfe J, et al. **Respir Physiol** 1980 Dec;42(3):383–93

Postpartum incontinence. Iosif S, et al. **Urol Int** 1981; 36(1):53–8

Malnutrition during pregnancy and lactation. Gabr M. **World Rev Nutr Diet** 1981;36:90–9 (37 ref.)

[Pregnancy and bronchial asthma] Mileva Zh, et al. **Akush Ginekol (Sofiia)** 1981;20(2):163–7 (18 ref.) (Eng. Abstr.) **(Bul)**

[Thoracic kyphosis complicating pregnancy---an analysis of 60 cases (author's transl)] Gao XH. **Chung Hua Fu Chan Ko Tsa Chih** 1980 Jul;15(3):153–5 **(Chi)**

[Diurnal profile of foetal motility during normal and risk pregnancy (author's transl)] Chalupa M, et al. **Cesk Gynekol** 1981 Jul;46(6):427–31 (Eng. Abstr.) **(Cze)**

[Hyperprolactinemia and pregnancy] Seppälä M. **Duodecim** 1980;96(2):163–7 **(Fin)**

[Ophthalmologic pathology in the pregnant woman] Offret H, et al. **J Fr Ophtalmol** 1980;3(11):679–89 (61 ref.) (Eng. Abstr.) **(Fre)**

[Pregnancy in obese women who have had jejuno-ileal short-circuit operations (author's transl)] Monnier JC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(5):543–7 (Eng. Abstr.) **(Fre)**

[Iodine metabolism. 2. Effect of iodine deficiency on reproduction and the development of progeny of goats and miniature pigs] Groppel B, et al. **Arch Tierernaehr** 1981 Feb;31(2):153–64 (Eng. Abstr.) **(Ger)**

[The etiology, physiopathology and clinical aspects of habitual abortion] Candiani GB, et al. **Ann Ostet Ginecol Med Perinat** 1980 Sep–Oct; 101(5):295–318 (Eng. Abstr.) **(Ita)**

[A case of pregnancy in a patient with hepatic cirrhosis] Balbi C, et al. **Arch Ostet Ginecol** 1979 Aug–Dec;84(5–6):255–8 (Eng. Abstr.) **(Ita)**

[Assay of brain and liver DNA, determination of body growth and of some blood parameters in rats subjected to protein malnutrition during fetal and post-natal development] Greco AM, et al. **Boll Soc Ital Biol Sper** 1980 Dec 30;56(24):2598–604 (Eng. Abstr.) **(Ita)**

[Clinical aspects of pregnancy pathology in multiple pregnancy] Colla G, et al. **Minerva Ginecol** 1980 Jul–Aug; 32(7–8):555–78 (Eng. Abstr.) **(Ita)**

[Maternal-fetal pathology in twin delivery] Colla G, et al. **Minerva Ginecol** 1980 Sep;32(9):719–34 (Eng. Abstr.) **(Ita)**

[Management of pregnancy and labor in women with neutral goiter limiting their respiratory capacity] Pisarek-Miedzińska D, et al. **Ginekol Pol** 1981 Jan; 52(2):149–52 (Eng. Abstr.) **(Pol)**

[Term pregnancy and spontaneous labor in a woman with giant mucinous cystadenoma of the ovary] Waszyński E. **Ginekol Pol** 1981;52(4):369–72 (Eng. Abstr.) **(Pol)**

[Value of cardiotocography in monitoring high-risk pregnancy] Wilczyński J, et al. **Ginekol Pol** 1980 Nov; 51(11):993–7 (Eng. Abstr.) **(Pol)**

[Outcome of pregnancy and labor in epileptic women] Karapetova AA, et al. **Akush Ginekol (Mosk)** 1981 Mar; (3):57 **(Rus)**

[Value of cardiac monitoring in the antenatal diagnosis of the state of the fetus in high risk pregnancies] Malinovskaia SIa, et al. **Akush Ginekol (Mosk)** 1980 Aug;(8):29–31 (Eng. Abstr.) **(Rus)**

[Causes of urodynamic disorders of the upper urinary tracts in acute pyelonephritis in pregnant women] Shabad AL, et al. **Urol Nefrol (Mosk)** 1980 Sep–Oct;(5):7–14 (Eng. Abstr.) **(Rus)**

[Condition of the infants born of mothers with uterine myoma

(a review of the literature)] Sidorova IS, et al. **Vopr Okhr Materin Det** 1980 Jul;25(7):59–61 (54 ref.) **(Rus)**

PREVENTION & CONTROL

Early diagnosis of pregnancy in a patient receiving antipsychotic medication. Hillard JR, et al. **Am J Psychiatry** 1981 Sep;138(9):1252–3

Smoking during pregnancy – a national survey on the curricula in medical, nursing, and physiotherapy schools in Canada. Choi-Lao AT, et al. **Can J Public Health** 1980 Nov–Dec;71(6):407–11

Great expectations: preventive health concepts in childbearing and parenting for college students. Kairys JA, et al. **J Am Coll Health Assoc** 1981 Jun;29(6):299–301

[Prevention of pregnancy disorders in the pathological placement of the placenta] Ivanova S. **Akush Ginekol (Sofiia)** 1980;19(5–6):431–2 **(Bul)**

[Dental treatment during pregnancy] Fesseler A. **Dtsch Zahnaerztl Z** 1980 May;35(5):III–IV **(Ger)**

[Purpose and usefulness of the present day risk catalog (author's transl)] Richter K, et al. **MMW** 1981 Jul 3; 123(27):1101–4 (Eng. Abstr.) **(Ger)**

[Use of a vitamin-mineral supplement in the prevention of deficiency diseases in pregnancy] Calvo A. **Minerva Ginecol** 1981 Jan;33(1):127–32 **(Ita)**

[Prevention and clinical management of the high risk pregnancy and infant. 4 years experience in a General Hospital in Zona] Bracciani M, et al. **Riv Ital Ginecol** 1980; 59(1):71–106 (Eng. Abstr.) **(Ita)**

[Prenatal assistance: knowledge, attitude and practice of hospitalized women in the Obstetric Service in an hospital of the municipality of São Paulo, Brazil] Candeias NM. **Rev Saude Publica** 1980 Dec;14(4):427–38 (Eng. Abstr.) **(Por)**

PSYCHOLOGY

Pregnancy and delivery complications in the births of an unselected series of Finnish children with schizophrenic mothers. Wrede G, et al. **Acta Psychiatr Scand** 1980 Oct; 62(4):369–81

The relationship of prenatal maternal anxiety to infant behavior and mother–infant interaction during the first six months of life. Farber EA, et al. **Early Hum Dev** 1981 Jul; 5(3):267–77

Crisis intervention following severe psychological trauma in late pregnancy. Ching JW, et al. **Hosp Community Psychiatry** 1981 Jan;32(1):53–6

RADIOGRAPHY

Complicated hydronephrosis of pregnancy. Kinn AC. **Acta Obstet Gynecol Scand** 1981;60(1):91–5

Correlation of postpartum intravenous pyelograms with clinical localization of antepartum pyelonephritis. Harris RE. **Am J Obstet Gynecol** 1981 Sep 1;141(1):105–6

[Radiodiagnosis and reproductive function] Lambotte R. **Bull Mem Acad R Med Belg** 1979 Oct 27;134(9):521–31 (Eng. Abstr.) **(Fre)**

[Lymphographic aspects of cervix carcinoma pregnancy (author's transl)] Abet L, et al. **Radiol Diagn (Berl)** 1980; 21(4):506–11 (Eng. Abstr.) **(Ger)**

[Evolution of gynecological radiodiagnostic indications. Report of 10 years' activity] Tetti T, et al. **Minerva Ginecol** 1980 Jun;32(6):507–14 **(Ita)**

RADIONUCLIDE IMAGING

[Nuclear medicine examination of kidney function in pyelonephritis gravidarum] Voigt R, et al. **Radiobiol Radiother (Berl)** 1980;21(4):516–24 (Eng. Abstr.) **(Ger)**

[Prepartal diagnosis of the kidneys and draining-off urinary passages with radionuclides during risky pregnancy (author's transl)] Voigt R, et al. **Radiobiol Radiother (Berl)** 1980;21(6):841–9 (Eng. Abstr.) **(Ger)**

[Role and results of placental scintigraphy in modern obstetrics (author's transl)] Renziehausen K, et al. **Zentralbl Gynaekol** 1980;102(16):889–96 (Eng. Abstr.) **(Ger)**

REHABILITATION

Follow-up of methadone-treated and untreated narcotic-dependent women and their infants: health, developmental, and social implications. Wilson GS, et al. **J Pediatr** 1981 May;98(5):716–22

SURGERY

Spontaneous uterine rupture: a case study. Woldt GD. **AANA J** 1981 Apr;49(2):156–8

Laryngeal cancer in pregnancy. Ferlito A, et al. **Acta Otorhinolaryngol Belg** 1980;34(6):706–9

Dehydrobenzperidol as part of a general anaesthetic technique at 30 weeks gestation [letter] Papadimitriou K. **Anaesthesia** 1980 Sep;35(9):919–20

The case of the errant epidural catheter. Blass NH, et al. **Anesthesiology** 1981 May;54(5):419–21

Current surgical management of pheochromocytoma during pregnancy. Fudge TL, et al. **Arch Surg** 1980 Oct; 115(10):1224–5

A rare cause of abdominal distention during pregnancy [letter] McCubbin JH. **Arch Surg** 1981 Aug;116(8):1101

Choice of surgical incision for appendectomy during pregnancy [letter] McCubbin JH. **Arch Surg** 1981 Feb; 116(2):251

Hysterectomy in obstetric practice. Hill DJ, et al. **Aust NZ J Obstet Gynaecol** 1980 Aug;20(3):151–3

Classical caesarean section in preterm deliveries. Keeping JD, et al. **Aust NZ J Obstet Gynaecol** 1980 May;20(2):103–5

Fetal heart monitoring during open heart surgery. Two case reports. Lamb MP, et al. **Br J Obstet Gynaecol** 1981 Jun; 88(6):669–74

Epidural block for treatment of renal colic during pregnancy. Ready LB, et al. **Can Anaesth Soc J** 1981 Jan;28(1):77–9

Neurosurgical indications during pregnancy. Briani S, et al. **Clin Exp Obstet Gynecol** 1980;7(1):13–6

Fatal fulminant postoperative pulmonary edema: an unusual cause of second-trimester maternal mortality. Erling MA, et al. **Diagn Gynecol Obstet** 1980 Fall;2(3):209–12

Cesarean section in premature delivery. Berg T, et al. **Gynecol Obstet Invest** 1980;11(2):95–101

The diagnosis and management of hyperparathyroidism during pregnancy. Deutsch AA, et al. **Postgrad Med J** 1980 May;56(655):333–5

[Pheochromocytoma in pregnancy. Anesthetic management of a patient] Coetzee A, et al. **S Afr Med J** 1981 Jun 6; 59(24):861–2 (Eng. Abstr.) **(Afr)**

[Use of mechanical apparatus for suturing in gynecology] Donchev A. **Akush Ginekol (Sofiia)** 1980;19(4):374–7 (Eng. Abstr.) **(Bul)**

[The diagnosis and management of uterine myoma complicated with pregnancy (analysis of 180 cases) (author's transl)] He CH. **Chung Hua Fu Chan Ko Tsa Chih** 1980;15(2):84–6 **(Chi)**

[Congenital diaphragmatic hernia (Bochdalek hernia) well tolerated up to twenty-three, then strangulated and perforated at the seventh month of pregnancy (author's transl)] Lampert M, et al. **Ann Chir** 1981;35(3):247–52 (Eng. Abstr.) **(Fre)**

[Bilateral ovarian carcinoma during pregnancy (author's transl)] Wiechmann H, et al. **Geburtshilfe Frauenheilkd** 1981 Apr;41(4):280–3 (Eng. Abstr.) **(Ger)**

[Hepatitis prophylaxis for medical personnel in gynecologic and obstetrical surgery] Bütler R, et al. **Ther Umsch** 1981 Jun;38(6):553–7 (Eng. Abstr.) **(Ger)**

[Traumatic injury complicating pregnancy (author's transl)] Senst W, et al. **Zentralbl Chir** 1980;105(17):1113–21 (Eng. Abstr.) **(Ger)**

[Intensive postoperative treatment in obstetrics and gynecology: proposal for a score system for medico-surgical assessment of the abdominal surgery patient] Margaria E, et al. **Minerva Anestesiol** 1980 May; 46(5):607–15 (Eng. Abstr.) **(Ita)**

[Pregnancy physiopathology in uterine malformations] Russo A, et al. **Minerva Ginecol** 1980 Jul–Aug;32(7–8):589–98 (Eng. Abstr.) **(Ita)**

[Acute destructive cholecystitis in full-term pregnancy] Savinov AP, et al. **Khirurgiia (Mosk)** 1981 Jan;(1):107–8 **(Rus)**

THERAPY

Certain principles in the management of heart disease and pregnancy [letter] Burch GE. **Am Heart J** 1980 Dec;100(6 Pt 1):775

An analysis of maternal transport within a suburban metropolitan region. Anderson CL, et al. **Am J Obstet Gynecol** 1981 Jul 1;140(5):499–504

Pregnancy and systemic lupus erythematosus. Houser MT, et al. **Am J Obstet Gynecol** 1980 Oct 15;138(4):409–13

Perinatal transport to a regional perinatal center in a metropolitan area: Maternal versus neonatal transport. Modanlou HD, et al. **Am J Obstet Gynecol** 1980 Dec 15; 138(8):1157–64

Effect of plasma exchange in rhesus immunisation [letter] Tovey D, et al. **Br Med J** 1980 Aug 2;281(6236):387–8

Managing obstetric and gynaecological emergencies. Jelly R. **Br Med J [Clin Res]** 1981 Jan 3;282(6257):27–8

Burns during pregnancy. Analysis of 24 cases. Zhang YB, et al. **Chin Med J [Engl]** 1981 Feb;94(2):123–6

Management of thyroid diseases in pregnancy. Mestman JH. **Clin Perinatol** 1980 Sep;7(2):371–85

Home care of the newborn and management of high risk pregnancies in rural India. Kumar V. **Indian J Pediatr** 1980 Jan–Feb;47(384):33–6

Prolactin and placental hormone levels during pregnancy in prolactinomas. Batrinos ML, et al. **Int J Fertil** 1981; 26(2):77–85

Spinal cord tumors during pregnancy. Apuzzio J, et al. **Int J Gynaecol Obstet** 1980 May–Jun;17(6):608–10

Home total parenteral nutrition during pregnancy: a case report. Cox KL, et al. **JPEN** 1981 May–Jun;5(3):246–9

Antenatal plasma exchange therapy. Harbord MG, et al. **Med J Aust** 1980 Jun 28;1(13):647–8

Graves' disease and pregnancy [letter] **N Engl J Med** 1981 Jul 2;305(1):48–9

Successful pregnancy in a patient undergoing chronic hemodialysis. Kobayashi H, et al. **Obstet Gynecol** 1981 Mar; 57(3):382–6

Triplet and quadruplet pregnancies and management. Ron-El R, et al. **Obstet Gynecol** 1981 Apr;57(4):458–63

Missed abortion, hydatidiform mole and intra-uterine fetal death treated with 15-methyl-prostaglandin F 2-alpha. Boes EG. **S Afr Med J** 1980 Nov 29;58(22):878–80

Carcinoma of the cervix complicating pregnancy. Funnell JD, et al. **South Med J** 1980 Oct;73(10):1308–10

At-risk selection and outcome studied at the Kibara Hospital antenatal clinic in Tanzania. Walther FJ. **Trop Geogr Med** 1980 Dec;32(4):336–9

[Experience with elective delivery in certain forms of pathological pregnancy] Tokin R, et al. **Akush Ginekol (Sofiia)** 1980;19(5–6):484–6 **(Bul)**

[Acupuncture and its possibilities in gynecology and obstetrics] Presl J. **Cesk Gynekol** 1980;45(10):749–54 **(Cze)**

[Total parenteral nutrition during pregnancy (letter)] Di-Costanzo J, et al. **Nouv Presse Med** 1980 May 10; 9(21):1522 **(Fre)**

[Renal transplant and pregnancy: report of a case and review of the literature] Dandavino A, et al. **Union Med Can** 1981 Feb;110(2):109–16 (Eng. Abstr.) **(Fre)**

[Pheochromocytoma in pregnancy—pathophysiology and therapy (author's transl)] Neuhaus R, et al. **Geburtshilfe Frauenheilkd** 1980 Oct;40(10):851–62 (Eng. Abstr.) **(Ger)**

[Possibilities for extraction of intrauterine devices in an on-going pregnancy] Wagner H, et al. **Med Welt** 1980 Sep 12;31(37):1317–20 **(Ger)**

[Gynecologic-obstetrical emergencies] Stamm H. **Ther Ggw** 1981 Mar;120(3):253–64 **(Ger)**

[Termination of pregnancy during or after treatment of carcinoma of the breast. A review (author's transl)] Schweppe KW, et al. **Z Geburtshilfe Perinatol** 1980 Feb; 184(1):1–10 (Eng. Abstr.) **(Ger)**

[Pemphigus vulgaris, pregnancy, and childbirth (author's transl)] Makai F, et al. **Zentralbl Gynaekol** 1980; 102(2):110–4 (Eng. Abstr.) **(Ger)**

[Renal insufficiency in pregnancy] Imbasciati E, et al. **Ann Ostet Ginecol Med Perinat** 1981 May–Jun;102(3):182–7 (Eng. Abstr.) **(Ita)**

[Cancer of the breast in pregnancy] Berta V, et al. **Chir Ital** 1980 Dec;32(6):1539–42 (Eng. Abstr.) **(Ita)**

[Long-term dialysis and its problems: sexual activities, pregnancy, delivery and child rearing] Otsubo K, et al. **Nippon Rinsho** 1980 Jun;38(6):2378–83 **(Jpn)**

[Results of a discussion on the management of pregnancy and labor in pelvic presentation] **Akush Ginekol (Mosk)** 1980 Jul;(7):52–4 **(Rus)**

[Management of pregnancy and labor in pelvic presentations] Filimonov NN. **Akush Ginekol (Mosk)** 1980 Jul;(7):50 **(Rus)**

[Discussion of the management of pregnancy and labor in fetal pelvic presentation] Grigor'ev VF. **Akush Ginekol (Mosk)** 1980 Jul;(7):51–2 **(Rus)**

[Procedural problems of managing pregnancy and labor in women who have had past uterine surgery] Iartseva LD, et al. **Akush Ginekol (Mosk)** 1980 Nov;(11):41–3 (Eng. Abstr.) **(Rus)**

[Apropos of the article by V. I. Grishchenko and G. M. Savel'eva, 'The Management of Pregnancy and Labor in Pelvic Presentations'] Karpushin VP, et al. **Akush Ginekol (Mosk)** 1980 Jul;(7):49–50 **(Rus)**

[Ways to improve care for pregnant women and parturients with pelvic presentation] Lutsenko GE. **Akush Ginekol (Mosk)** 1980 Jul;(7):48–9 **(Rus)**

[Management of pregnancy and labor in pelvic fetal presentation] Mirovich DIu. **Akush Ginekol (Mosk)** 1980 Jul;(7):43–5 **(Rus)**

[Psychotherapeutic experience with pregnant patients suffering from vomiting] Voronin IuT. **Akush Ginekol (Mosk)** 1980 Jul;(7):38–9 **(Rus)**

[Management of pregnancy and labor in patients with uterine myoma] Sidorova IS. **Sov Med** 1981;(2):87–90 **(Rus)**

[Heroin dependence during pregnancy – risks, clinical picture and suggestions for therapy] Larsson G, et al. **Lakartidningen** 1981 Jul 8;78(28–29):2620–6 **(Swe)**

URINE

Aetiology and effects of proteinuria in pregnancy. Kelly AM, et al. **Contrib Nephrol** 1981;24:134–8

Urinary oestrogens and pregnancy. Brown JB, et al. **J Endocrinol** 1981;89 Suppl:95P–102P (27 ref.)

An evaluation of the performance of laboratories in the assays of oestriol and creatinine in pregnancy urine: the national pregnancy urine survey. France JT, et al. **NZ Med J** 1980 Sep 10;92(667):205–8

[Chorionic gonadotropin excretion in pregnancy nephropathy studied using the HI-gonavis Mochid test] Georgieva M, et al. **Akush Ginekol (Sofiia)** 1980; 19(4):297–300 (Eng. Abstr.) **(Bul)**

[A pregnant woman with hyperthyroidism and elevated level of urinary human chorionic gonadotropins] Grave W, et al. **Ned Tijdschr Geneeskd** 1980 Dec;124(51):2170–2 (Eng. Abstr.) **(Dut)**

[Is asymptomatic bacteriuria in pregnancy combined with pyuria? (author's transl)] Bordt J, et al. **Geburtshilfe Frauenheilkd** 1981 Feb;41(2):118–9 (Eng. Abstr.) **(Ger)**

[A quantitative determination of protein in urine. An evaluation of the Esbach method] Oian P, et al. **Tidsskr Nor Laegeforen** 1981 Feb;101(6):402–3 (Eng. Abstr.) **(Nor)**

[Chorionic gonadotropin excretion in prolonged pregnancy and delayed labor] Ismailova SA. **Akush Ginekol (Mosk)** 1980 Jul;(7):27–9 (Eng. Abstr.) **(Rus)**

VETERINARY

Nicotiana glauca–induced congenital deformities in calves: clinical and pathologic aspects. Keeler RF, et al. **Am J Vet Res** 1981 Jul;42(7):1231–4

Toxicosis in sows and their pigs caused by feeding rations containing polybrominated biphenyls to sows during pregnancy and lactation. Werner PR, et al. **Am J Vet Res** 1981 Feb;42(2):183–8

Jejunal displacement through the mesometrium in a pregnant mare. Becht JL, et al. **J Am Vet Med Assoc** 1980 Sep 1; 177(5):436

Hypoglycemia–ketonemia in a pregnant bitch. Jackson RF, et al. **J Am Vet Med Assoc** 1980 Dec;177(11):1123–7

Bovine neonatal ataxia associated with hypocupremia in pregnant cows. Sanders DE, et al. **J Am Vet Med Assoc** 1980 Apr 15;176(8):728–30

Notes on bovine reproduction. Amstutz HE. **Mod Vet Pract** 1981 Jan;62(1):37–8

A correlated biochemical and stereological study of periparturient fatty liver in the dairy cow. Collins RA, et al. **Res Vet Sci** 1980 May;28(3):373–6

Gluconeogenesis from glycerol by ketotic sheep pregnant with twins. Ranaweera A, et al. **Res Vet Sci** 1981 May; 30(3):303–8

Performance and pathophysiological changes in pregnant pigs fed cassava diets containing different levels of cyanide. Tewe OO, et al. **Res Vet Sci** 1981 Mar;30(2):147–51

General anesthesia for equine gastrointestinal and obstetric procedures. McDonell WN. **Vet Clin North Am [Large Anim Pract]** 1981 May; 3(1):163–94 (33 ref.)

Torsion of the uterus and the stomach in guinea pigs. Kunstýř I. **Z Versuchstierkd** 1981;23(1):67–9

PREGNANCY COMPLICATIONS, CARDIOVASCULAR

Pulmonary edema after ritodrine infusion for premature labor in a patient with mitral valve disease. Reichman J, et al. **Acta Obstet Gynecol Scand** 1981;60(1):87–8

Mitral valve prolapse and pregnancy. Rayburn WF, et al. **Am J Obstet Gynecol** 1981 Sep 1;141(1):9–11

Hypertension in a paraplegic parturient [letter] Abouleish E. **Anesthesiology** 1980 Oct;53(4):348

Intrathecal morphine in a parturient with a single ventricle. Ahmad S, et al. **Anesthesiology** 1981 Jun;54(6):515–7

Cardiac failure in a hypertensive woman receiving salbutamol for premature labour [letter] **Br Med J** 1980 Jul 19; 281(6234):226–7

The relevance of hypertension and oedema in pregnancy. MacGillivray I, et al. **Clin Exp Hypertens** 1980;2(5):897–914

Intrapartum management of the cardiac patient. Ueland K. **Clin Perinatol** 1981 Feb;8(1):155–64 (21 ref.)

Evaluation of the supine pressor test. Dhall K, et al. **Gynecol Obstet Invest** 1980;11(4):225–30

Umbilical vein thrombosis and maternal diabetes mellitus. Fritz MA, et al. **J Reprod Med** 1981 Jun;26(6):320–4

Eisenmenger's syndrome in pregnancy: epidural anesthesia for elective cesarean section. Spinnato JA, et al. **N Engl J Med** 1981 May 14;304(20):1215–7

Association of portal hypertension and ruptured splenic artery aneurysm in pregnancy. Barrett JM, et al. **Obstet Gynecol** 1981 Feb;57(2):255–7

Cesarean section while on cardiac bypass: report of a case. Martin MC, et al. **Obstet Gynecol** 1981 Jun;57(6 Suppl):41S–5S

Successful pregnancy 10 years after triple cardiac valve replacement. Nagorney DM, et al. **Obstet Gynecol** 1981 Mar;57(3):386–8

[Hypertension and pregnancy] Pyörälä T. **Duodecim** 1980; 96(2):117–28 **(Fin)**

[Heart disease and pregnancy] Takkunen H, et al. **Duodecim** 1980;96(2):101–16 **(Fin)**

[Thrombo–embolic disease and pregnancy. The prevention of pulmonary emboli by placing a clip on the inferior vena cava (author's transl)] Baudet JH, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1979;8(7):631–6 (Eng. Abstr.) **(Fre)**

[Grave obstetrical phlebitis. Physiopathology, diagnosis and treatment (6 case histories) (author's transl)] Rudigoz RC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1979;8(7):637–46 (Eng. Abstr.) **(Fre)**

[Acute post–gravidic Budd–Chiari syndrome. One case (author's transl)] Bercovici JP, et al. **Nouv Presse Med** 1980 Jun 28;9(28):1947–9 (Eng. Abstr.) **(Fre)**

[Delivery in women with heart valve prostheses. Apropos of 8 cases] Kharouf M, et al. **Tunis Med** 1979 Jul–Oct; 57(4–5):290–6 (Eng. Abstr.) **(Fre)**

[Studies on offsprings of patients with surgically corrected congenital heart defects] Pornói A, et al. **Orv Hetil** 1980 Sep 28;121(39):2389–94 **(Hun)**

[Pregnancy and labor in commissurotomized women (clinico–statistical study)] Ragucci N, et al. **Arch Ostet Ginecol** 1979 Jan–Feb;84(1–2):21–9 (Eng. Abstr.) **(Ita)**

[Eisenmenger syndrome and pregnancy] Russo R, et al. **Minerva Cardioangiol** 1980 Oct;28(10):711–5 (Eng. Abstr.) **(Ita)**

[A case of duplication of the middle cerebral artery with ruptured aneurysm on its origin during pregnancy (author's transl)] In S, et al. **No Shinkei Geka** 1981;9(3):337–41 (Eng. Abstr.) **(Jpn)**

[Development of pregnancy in a cardiac patient with a dura mater triple prosthesis] De Andrade J, et al. **Rev Paul Med** 1980 May–Jun;95(5–6):108–9 (Eng. Abstr.) **(Por)**

[Bleeding duodenal neoplasm in pregnancy] Kats VN, et al. **Vestn Khir** 1981 Jun;126(6):84–5 **(Rus)**

BLOOD

Hormone production during pregnancy in the primigravid patient. II. Plasma levels of deoxycorticosterone throughout pregnancy of normal women and women who developed pregnancy–induced hypertension. Parker CR Jr, et al. **Am J Obstet Gynecol** 1980 Nov 15;138(6):626–31

Plasma adrenaline, noradrenaline and dopamine in pregnancy hypertension. Davey DA, et al. **Br J Obstet Gynaecol** 1981 Jun;88(6):611–8

The effect of rest and ambulation on plasma urea and urate levels in pregnant women with proteinuric hypertension. Mathews DD, et al. **Br J Obstet Gynaecol** 1980 Dec; 87(12):1095–8

Plasma noradrenaline in normal pregnancy and in hypertension of late pregnancy. Tunbridge RD, et al. **Br J Obstet Gynaecol** 1981 Feb;88(2):105–8

Phenobarbitone and serum unconjugated oestriol concentrations in four pregnant women with hypertension. Basalamah AH, et al. **Br Med J** 1980 Jul 26;281(6235):272–3

A study of erythrocyte membrane cation transport adenosine triphosphatases in pregnancy–induced hypertension and of in vivo effects of diuretic treatment. Kaplay SS, et al. **Clin Chim Acta** 1981 Feb 19;110(1):27–33

Circulating hypotensive factor in pregnant spontaneously hypertensive rats. Kubota T, et al. **Clin Exp Pharmacol Physiol** 1981 Mar–Apr;8(2):125–32

CHEMICALLY INDUCED

Maternal pulmonary edema occurring after therapy with ritodrine for premature uterine contractions. Abramovici H, et al. **Acta Obstet Gynecol Scand** 1980;59(6):555

The effect of pregnancy and lactation on the development of experimental heart lesions. Faltová E, et al. **Physiol Bohemoslov** 1980;29(4):305–12

COMPLICATIONS

Intracerebral hemorrhage in a patient with eclampsia. Beck DW, et al. **JAMA** 1981 Sep 25;246(13):1442–3

DIAGNOSIS

Fluorescein angiography in hypertensive pregnancies. Donkers B, et al. **Am J Obstet Gynecol** 1980 Oct 15; 138(4):461–3

In utero diagnosis of umbilical cord hematoma by ultrasonography. Ruvinsky ED, et al. **Am J Obstet Gynecol** 1981 Aug 1;140(7):833–4

The remote prognostic significance of the level of blood pressure in pregnancy. Chesley LC. **Clin Exp Hypertens** 1980;2(5):777–801 (40 ref.)

Outcome of pregnancy with mitral stenosis. Mehta PJ, et al. **Indian Heart J** 1980 Nov–Dec;32(6):346–8

Peripartum cardiomyopathy. Murty VR, et al. **J Indian Med Assoc** 1980 May 1;74(9):175–7

Mondor disease in pregnancy. Duff P. **Obstet Gynecol** 1981 Jul;58(1):117–9

Alterations of occlusive cuff impedance plethysmography results in the obstetric patient. Clarke–Pearson DL, et al. **Surgery** 1981 May;89(5):594–8

Moyamoya disease in pregnancy. Bingham WF, et al. **Wis Med J** 1980 Nov;79(11):21–5

[Cybernetic analysis of cardiac sinus arrhythmias in obstetrics] Bakuleva LP, et al. **Akush Ginekol (Sofiia)** 1981; 20(1):18–26 **(Bul)**

[Trophoblastic tissue pulmonary embolus in a molar pregnancy (author's transl)] Thoulon JM, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(5):561–5 (Eng. Abstr.) **(Fre)**

[Spontaneous rupture of an uterine vein during pregnancy. A case report (author's transl)] Hartmann G, et al. **Geburtshilfe Fraunheilkd** 1981 Jul;41(7):515–6 (Eng. Abstr.) **(Ger)**

[Phlebography from an obstetrical viewpoint] During R, et al. **Z Aerztl Fortbild (Jena)** 1980 Oct 15;74(20):941–3 **(Ger)**

[A test for early detection of hypertonias conditioned by pregnancy (gestosis selection test – GST) (author's transl)] Conradt A, et al. **Z Geburtshife Perinatol** 1981 Feb; 185(1):47–52 (Eng. Abstr.) **(Ger)**

[Incidental detection of ovarian vein thrombosis along with caesarean section (author's transl)] Beller FK, et al. **Zentralbl Gynaekol** 1980;102(18):1059–62 (Eng. Abstr.) **(Ger)**

[Intra–amniotic bleeding following rupture of umbilical artery (author's transl)] Opri F, et al. **Zentralbl Gynaekol** 1980;102(1):17–21 (Eng. Abstr.) **(Ger)**

[Echocardiographic follow–up of peripartum cardiomyopathy during and after pregnancy] Csanády M, et al. **Orv Hetil** 1980 Oct 5;121(40):2443–8 **(Hun)**

[Multiple aneurysms of the pancreatic arteries in pregnancy] Goworek A, et al. **Ginekol Pol** 1981;52(3):265–6 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

How Swedish obstetricians manage hypertension in pregnancy. A questionnaire study. Lindberg BS, et al. **Acta Obstet Gynecol Scand** 1981;60(3):327–31

Anemia of pregnancy: evaluation of the effectiveness of routine dietary supplementation program in an Israeli community. Palgi A, et al. **Am J Public Health** 1981 Jul; 71(7):736–8

Successful outcome in antepartum pulmonary embolism—a case report and review of incidence, diagnosis and management. Mah PK, et al. **Ann Acad Med Singapore** 1980 Jan;9(1):122–8

Treatment for hypertension with eclampsia [letter] White JD. **Ann Emerg Med** 1981 Mar;10(3):167

Oxprenolol in pregnancy [letter] Smith GL. **Aust Fam Physician** 1980 Jul;9(7):528

Effect of diazoxide on the antepartum cardiotocograph in severe pregnancy–associated hypertension. Barr PA, et al. **Aust NZ J Obstet Gynaecol** 1981 Feb;21(1):11–5

Small–dose diazoxide administration in pregnancy. MacLean AB, et al. **Aust NZ J Obstet Gynaecol** 1981 Feb;21(1):7–10

Sotalol as a hypotensive agent in pregnancy. O'Hare MF, et al. **Br J Obstet Gynaecol** 1980 Sep;87(9):814–20

ABC of blood pressure reduction. Emergency reduction, hypertension in pregnancy, and hypertension in the elderly. Bannan LT, et al. **Br Med J** 1980 Oct 25;281(6248):1120–2

Comparison of the alpha and beta blocking drug, labetalol, and methyl dopa in the treatment of moderate and severe pregnancy–induced hypertension. Lamming GD, et al. **Clin Exp Hypertens** 1980;2(5):865–95

Hypertension during pregnancy, with and without specific hypotensive treatment. I. Perinatal factors and neonatal morbidity. Mutch LM, et al. **Early Hum Dev** 1977 Oct; 1(1):47–57

Hypertension during pregnancy, with and without specific hypotensive treatment. II. The growth and development of the infant in the first year of life. Mutch LM, et al. **Early Hum Dev** 1977 Oct;1(1):59–67

Infusion of diazoxide in severe hypertension during pregnancy. Thien T, et al. **Eur J Obstet Gynaecol Reprod Biol** 1980 Jul;10(6):367–74

The course of pregnancy in patients with artificial heart valves treated with dipyridamole. Biale Y, et al. **Int J Gynaecol Obstet** 1980 Sep–Oct;18(2):128–32

Treatment of hypertension in pregnancy. Redman CW. **Kidney Int** 1980 Aug;18(2):267–78 (139 ref.)

Low 1,25–dihydroxyvitamin D in heparin–induced osteopenia [letter] Aarskog D, et al. **Lancet** 1980 Sep 20; 2(8195 pt 1):650–1

Mexiletine for control of ventricular dysrhythmias in pregnancy [letter] Timmis AD, et al. **Lancet** 1980 Sep 20; 2(8195 pt 1):647–8

Corticosteroids in pregnancy [letter] Perkins RP. **Obstet Gynecol** 1981 May;57(5):678–9

The effects of prophylactic management and therapeutics on hypertensive disease in pregnancy: preliminary studies. Welt SI, et al. **Obstet Gynecol** 1981 May;57(5):557–65

The management of hypertension in pregnancy [letter] Lubbe WF. **S Afr Med J** 1981 Mar 7;59(10):320–2

[Treatment of hypertension in pregnancy. A review] Rasmussen K, et al. **Ugeskr Laeger** 1980 Oct;142(44):2916–8 (Eng. Abstr.) **(Dan)**

[Pregnancy and anticoagulation] Büller HR, et al. **Ned Tijdschr Geneeskd** 1981 May 2;125(18):710–3 **(Dut)**

[Clinical use of nitroglycerin as an hypotensive agent during general anesthesia for caesarean section. Report of a case (author's transl)] Delarrat M, et al. **Anesth Analg (Paris)** 1980;37(11–12):719–21 (Eng. Abstr.) **(Fre)**

[Trial of a phlebotonic agent, a protector of the microcirculation, containing large quantities of active principles, in the treatment of hemorrhage in obstetrics] Vankemmel P, et al. **Lille Med** 1981 Jan–Feb;26(1–2):60–2 **(Fre)**

[Treatment of hypertension in pregnant women with beta–blockers. 60 cases (author's transl)] Dubois D, et al. **Nouv Presse Med** 1980 Oct 18;9(38):2807–10 (Eng. Abstr.) **(Fre)**

[Treatment of varicose veins in pregnancy] Güss H. **Fortschr Med** 1981 Jan 22;99(3):62–5 **(Ger)**

[Forum on hypertension. Part 8. Hypertension management in pregnancy] Holzgreve H. **MMW** 1981 Jun 12; 123(24):65–8 **(Ger)**

[Effects of nylidrine (Dilatol) on blood pressure of hypertensive patients in advanced pregnancy (author's transl)] During R, et al. **Zentralbl Gynaekol** 1980; 102(4):193–8 (Eng. Abstr.) **(Ger)**

[Action of nylidrin (Dilatol) on utero–placental blood supply (author's transl)] During R, et al. **Zentralbl Gynaekol** 1981; 103(4):214–9 (Eng. Abstr.) **(Ger)**

[Cardiocirculatory function in hypertensive pregnancy treated with alpha–methyldopa] Cellina G, et al. **Minerva Cardioangiol** 1980 Oct;28(10):683–5 (Eng. Abstr.) **(Ita)**

[Treatment of phlebopathies caused by stasis in pregnancy] Grismondi GL. **Minerva Ginecol** 1981 Feb–Mar; 33(2–3):221–30 (Eng. Abstr.) **(Ita)**

ENZYMOLOGY

Proteolysis and antiproteolysis associated with toxemia of pregnancy. Vázquez Escobosa C, et al. **Arch Invest Med (Mex)** 1980;11(4):445–59 **(Eng, Spa)**

Plasma renin activity in normal human pregnancy and in pregnancy-associated hypertension, with reference to cryoactivation. Gallery ED, et al. **Clin Sci** 1980 Jul; 59(1):49–53

ETIOLOGY

Coitus and antepartum haemorrhage. Naeye RL. **Br J Obstet Gynaecol** 1981 Jul;88(7):765–70

Dissecting aneurysm during pregnancy and the puerperium. Konishi Y, et al. **Jpn Circ J** 1980 Sep;44(9):726–33

Vaginal bleeding in the first and second trimesters of pregnancy. Rich E. **Nurse Pract** 1980 Nov–Dec;5(6):10–1, 13, 15–6, passim

Ehlers-Danlos syndrome. Pearl W, et al. **South Med J** 1981 Jan;74(1):80–1

Pulmonary hypertension in pregnancy. Sinnenberg RJ Jr. **South Med J** 1980 Nov;73(11):1529–31

[Factors contributing to the etiology of hypertension in pregnancy. 3. Placental and renal vascularization with reference to humoral factors or local hormones] Fournie A, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980; 9(1):45–7 **(Fre)**

[Pathogenesis of hypertension in pregnancy. Recent ideas on epidemiology] Lambotte R. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(1):33–4 **(Fre)**

[Factors contributing to the etiology of hypertension in pregnancy. 1. Hormonal regulation of water-mineral balance. Disturbances in the water-mineral balance] Vokaer A. **J Gynecol Obstet Biol Reprod (Paris)** 1980; 9(1):39–42 **(Fre)**

['Cardiac insufficiency' in pregnant patients while reclining. Clinical aspects and physiopathology of the vena cava occlusion syndrome] Künzel W. **Med Welt** 1981 Jan 30; 32(5):147–55 **(Ger)**

[C-19 mineralocorticoids and hypertension of pregnancy] Benassi L, et al. **Acta Biomed Ateneo Parmense** 1981; 52(1):75–82 **(Ita)**

FAMILIAL & GENETIC

Hypertension in pregnancy: definitions, familial factor, and remote prognosis. Chesley LC. **Kidney Int** 1980 Aug; 18(2):234–40 (33 ref.)

IMMUNOLOGY

Acute-phase C56-forming ability and concentrations of complement components in normotensive and hypertensive pregnancies. Johansen KA, et al. **Br J Obstet Gynaecol** 1981 May;88(5):504–12

[HIA antigens (A,B and DR) in renovascular complications of pregnancy: preliminary results] Simon P, et al. **J Urol Nephrol (Paris)** 1979 Dec;85(12):827–31 **(Fre)**

METABOLISM

Prostaglandin E and F concentrations in placentae of normal, hypertensive and pre-eclamptic patients. Hillier K, et al. **Br J Obstet Gynaecol** 1981 Mar;88(3):274–7

Prostacyclin and pre-eclampsia [letter] Lewis PJ, et al. **Lancet** 1981 Mar 7;1(8219):559

MORTALITY

Maternal deaths in Indiana due to hemorrhage: 1959–1977. Ragan WD, et al. **J Indiana State Med Assoc** 1980 Feb; 73(2):96–100

Antepartum air embolism. Ragan WD. **J Indiana State Med Assoc** 1981 Jan;74(1):30–2

[Maternal mortality (due to causes related to hemorrhagic states)] Perego C. **Ann Ostet Ginecol Med Perinat** 1980 Jul–Aug;101(4):279–85 **(Ita)**

OCCURRENCE

Pregnancy complicated by maternal heart disease at the National Maternity Hospital, Dublin, Ireland, 1969 to 1978. Sugrue D, et al. **Am J Obstet Gynecol** 1981 Jan;139(1):1–6

Heart disease in pregnancy some controversies. de Swiet M, et al. **J R Coll Physicians Lond** 1981 Jul;15(3):183–6

A survey of hypertension in pregnancy at the King Edward VIII Hospital, Durban. Naidoo DV, et al. **S Afr Med J** 1980 Oct 4;58(14):556–9

[Pregnancy and labor in women with congenital heart defects (a preliminary report)] Istatkov M. **Akush Ginekol (Sofiia)** 1980;19(4):309–19 (Eng. Abstr.) **(Bul)**

[Clinical studies on cases of cardiovascular disease during pregnancy (author's transl)] Sato Y, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Jan;32(1):11–8 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

An ultrastructural study of utero-placental spiral arteries in hypertensive and normotensive pregnancy and fetal growth retardation. Sheppard BL, et al. **Br J Obstet Gynaecol** 1981 Jul;88(7):695–705

Hypertension in pregnancy: a biopsy study with long-term follow-up. Lindheimer MD, et al. **Contrib Nephrol** 1981; 25:71–7

Effect of indomethacin on desoxycorticosterone acetate-sodium chloride-induced renal lesions in the pregnant rat and her offspring. Parks BR, et al. **Dev Pharmacol Ther** 1980;1(4):229–37

Hypertension in pregnancy: clinical-pathological correlations and remote prognosis. Fisher KA, et al. **Medicine (Baltimore)** 1981 Jul;60(4):267–76

[Case of thrombosis of the dura mater sinuses in early pregnancy] Boshnakova Ts, et al. **Akush Ginekol (Sofiia)** 1981;20(1):82–4 **(Bul)**

[Vascular and obstetrical prognosis after hypertension during pregnancy: value of renal biopsy (author's transl)] Beaufils M, et al. **Ann Med Interne (Paris)** 1980;131(6):339–42 (Eng. Abstr.) **(Fre)**

[Congenital heart diseases and pregnancy (author's transl)] Avar Z, et al. **Zentralbl Gynaekol** 1981;103(3):129–45 (Eng. Abstr.) **(Ger)**

[Congenital heart disease and pregnancy] Avar Z, et al. **Orv Hetil** 1980 Aug 3;121(31):1881–90 **(Hun)**

PHYSIOPATHOLOGY

A cardiotocographic evaluation of the cold pressor test in pregnancy complicated by severe hypertension. Kuczyńska-Sincińska J, et al. **Acta Med Pol** 1980; 21(2):173–9

Nitroprusside-induced hemodynamic alterations in normotensive and hypertensive pregnant sheep. Lieb SM, et al. **Am J Obstet Gynecol** 1981 Apr 15;139(8):925–31

Effects of hydroxyurea on hemodynamics of pregnant rabbits: a maternally mediated mechanism of embryotoxicity. Millicovsky G, et al. **Am J Obstet Gynecol** 1981 Aug 1;140(7):747–52

Pregnancy associated with partial aortic occlusion. Socol ML, et al. **Am J Obstet Gynecol** 1981 Apr 15;139(8):965–7

Epidural analgesia and placental blood flow during labour in pregnancies complicated by hypertension [letter] Van Der Spek AF, et al. **Br J Obstet Gynaecol** 1980 Jul; 87(7):640

Systemic and pulmonary blood pressure during caesarean section in parturients with gestational hypertension. Hodgkinson R, et al. **Can Anaesth Soc J** 1980 Jul; 27(4):389–94

Mineralocorticoids and the regulation of sodium metabolism in normal and hypertensive pregnancy: a review. Ehrlich EN, et al. **Clin Exp Hypertens** 1980;2(5):803–19 (38 ref.)

Blood pressure response in hypertensive pregnancies treated with cortisol. Iams JD, et al. **Clin Exp Hypertens** 1980; 2(5):923–32

Dissociated renin-aldosterone response to acute sodium depletion in patients with a previous history of pregnancy-associated hypertension. Al-Khader AA, et al. **Clin Exp Hypertens** 1980;2(5):839–49

Haemodynamics of hypertension in pregnancy assessed by M-mode echocardiography. Larkin H, et al. **Clin Exp Pharmacol Physiol** 1980 Sep–Oct;7(5):463–8

Cardiac and haemodynamic measurements in hypertensive pregnancy. Larkin H, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:357s–360s

Haemorheological changes in pregnancy. Dintefass L. **Contrib Nephrol** 1981;25:91–7

The uteroplacental renin-angiotensin system in normal and hypertensive pregnancy. Pipkin FB, et al. **Contrib Nephrol** 1981;25:49–52

The preejection period of the fetal cardiac cycle. II. Maternal common internal iliac artery occlusions. Evers JL, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 May;11(6):419–33

Effects of angiotensin II analog on blood pressure, renin and aldosterone in women on oral contraceptives and toxemia. Saruta T, et al. **Gynecol Obstet Invest** 1981;12(1):11–20

The acute effect of smoking on uteroplacental blood flow in normotensive and hypertensive pregnancy. Lehtovirta P, et al. **Int J Gynaecol Obstet** 1980;18(3):208–11

Placental blood flow and epidural analgesia during labour in hypertensive pregnancies. Jouppila R, et al. **J Perinat Med** 1981;9 Suppl 1:164–5

The kidney in pregnancy. **Kidney Int** 1980 Aug;18(2):147–278

The kidney in pregnancy. Introduction. Lindheimer MD, et al. **Kidney Int** 1980 Aug;18(2):147–51

Eisenmenger's syndrome in pregnancy [letter] Krovetz LJ. **N Engl J Med** 1981 Sep 3;305(10):588

Use of the Swan-Ganz catheter in obstetrics and gynecology. Cotton DB, et al. **Obstet Gynecol** 1980 Nov;56(5):641–5

[Anesthetic management for delivery of 38 cardiac patients (author's transl)] Krivosic-Horber R, et al. **Anesth Analg (Paris)** 1980;37(11–12):681–4 (Eng. Abstr.) **(Fre)**

[Pathogenesis of hypertension in pregnancy. Interpretative hypotheses] Lambotte R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(1):53–4 **(Fre)**

[Cardiovascular condition of the pregnant woman. The normal state and the initial stages of hypertension] Lecomte J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(1):35–8 **(Fre)**

[Modifications of vascular reactivity. 2. Modifications of reactivity] Rorive G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(1):49–52 **(Fre)**

[Recent data concerning the physiopathology and classification of arterial hypertension during pregnancy] Beaufils M, et al. **J Urol Nephrol (Paris)** 1979 Dec; 85(12):805–13 **(Fre)**

[Renovascular complications of pregnancy: study of 75 cases developing in women free of history of renal diseases or arterial hypertension] Olmer M, et al. **J Urol Nephrol (Paris)** 1979 Dec;85(12):824–7 **(Fre)**

[Studies into effects of intra-gestational hypotension and maternal Broca's index on birth weight (author's transl)] Voigt R, et al. **Zentralbl Gynaekol** 1980;102(10):565–8 (Eng. Abstr.) **(Ger)**

[Obstetrical anesthesiological services for parturients with circulatory disorders] Gralińska K, et al. **Ginekol Pol** 1981 Jan;52(2):141–7 (Eng. Abstr.) **(Pol)**

[Uterine hemodynamics in pregnant women with rheumatic heart defects] Solonets NI. **Vopr Okhr Materin Det** 1980 Sep;25(9):67–9 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Spontaneous carotid-cavernous fistula during pregnancy or in the postpartum stage. Report of two cases. Toya S, et al. **J Neurosurg** 1981 Feb;54(2):252–6

SURGERY

Cardioversion in late pregnancy. The anaesthetic management of a case of Wolff-Parkinson-White syndrome. Klepper I. **Anaesthesia** 1981 Jun;36(6):611–6

Veno-venous internal saphenous crossover graft for phlegmasia caerulea dolens. McNeill AD, et al. **Br J Surg** 1980 Dec;67(12):877–8

Traumatic rupture of the thoracic aorta during pregnancy. Surgical considerations. Merin G, et al. **Chest** 1981 Jan; 79(1):99–100

Pseudoaneurysm of aortic stump; rupture in pregnancy. Matseoane S, et al. **NY State J Med** 1981 Mar;81(3):365–7

Aortic valve replacement in the third trimester of pregnancy: case report and review of the literature. Eilen B, et al. **Obstet Gynecol** 1981 Jan;57(1):119–21 (19 ref.)

[Ligation of the uterine vessels during obstetrical hemorrhages. Immediate and long-term results (author's transl)] Tsirulnikov MS. **J Gynecol Obstet Biol Reprod (Paris)** 1979;8(8):751–3 (Eng. Abstr.) **(Fre)**

[Cardiac surgery in pregnancy with particular regard to mitral commissurotomy. Clinical contribution] Baruffi E, et al. **Minerva Ginecol** 1980 Sep;32(9):837–42 (Eng. Abstr.) **(Ita)**

THERAPY

Antihypertensive effect of plasma volume expansion in pregnancy-associated hypertension. Gallery ED, et al. **Aust NZ J Med** 1981 Feb;11(1):20–4

Pregnancy and coarctation of the aorta. Case report. Benny PS, et al. **Br J Obstet Gynaecol** 1980 Dec;87(12):1159–61

Extensive thrombo-embolic disease in pregnancy treated with a Kimray Greenfield vena cava filter. Case report. Scurr J, et al. **Br J Obstet Gynaecol** 1981 Jul;88(7):778–80

Management of the hypertensive pregnant patient. Perkins RP. **Clin Perinatol** 1980 Sep;7(2):313–25

Complications of pulmonary artery catheterization of obstetric patients. Rafferty TD, et al. **Int J Gynaecol Obstet** 1980 Sep–Oct;18(2):133–5

Renal function and hypertension associated with pregnancy. Slavin MJ. **JAOA** 1980 Dec;80(4):258–63

The management of hypertension in pregnancy. Davey DA, et al. **S Afr Med J** 1980 Oct 4;58(14):551–6

Heart disease and pregnancy. Leman RB, et al. **South Med J** 1981 Aug;74(8):944–6

[The clinical aspects and present developments in pregnancy in cardiac patients (author's transl)] Crépin G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(6):675–85 (Eng. Abstr.) **(Fre)**

[Arterial hypertension and pregnancy: obstetric management] Uzan S, et al. **J Urol Nephrol (Paris)** 1979 Dec; 85(12):814–23 **(Fre)**

[Varices in pregnant woman. Legs and vulva. Treatment] Marmasse J. **Phlebologie** 1981 Jan–Mar;34(1):89–104 (Eng. Abstr.) **(Fre)**

[Heart diseases and pregnancy (author's transl)] Runge M. **Geburtshilfe Frauenheilkd** 1981 Jul;41(7):517–9 (Eng. Abstr.) **(Ger)**

[Pregnancy and labor in women with artificial heart valves] Paliushchinskaia NA, et al. **Kardiologiia** 1981 Feb; 21(2):91–3 (Eng. Abstr.) **(Rus)**

PREGNANCY COMPLICATIONS, HEMATOLOGIC

Anaemia in twin pregnancy. Hall MH, et al. **Acta Genet Med Gemellol (Roma)** 1979;28(4):279–82

Chronic granulocytic leukemia in pregnancy. A case report and review of the literature. Shalev O, et al. **Acta Obstet Gynecol Scand** 1980;59(6):563–5

Risks of anticoagulation during pregnancy. Pauli RM, et al. **Am Heart J** 1980 Nov;100(5):761–2

Outcome of pregnancy in sickle cell anemia and sickle cell-hemoglobin C disease. An analysis of 181 pregnancies in 98 patients, and a review of the literature. Milner PF, et al. **Am J Obstet Gynecol** 1980 Oct 1;138(3):239–45

The visual system in thrombotic thrombocytopenic purpura. Benson DO, et al. **Ann Ophthalmol** 1980 Apr;12(4):413–7

Successful pregnancy in transfusion-dependent thalassaemia. Thomas RM, et al. **Arch Dis Child** 1980 Jul;55(7):572–4

Remission of pregnancy hypoplastic anaemia and 'malignant' pre-eclampsia after delivery: a case report and discussion. Crisp AJ. **Br J Clin Pract** 1980 Oct;34(10):304–5

Successful pregnancy during chemotherapy for acute

leukemia. Dara P, et al. **Cancer** 1981 Mar 1;47(5):845–6

Haemoglobin O Arab, beta-thalassaemia and glucose-6-phosphate dehydrogenase deficiency in a Hungarian family. Horányi M, et al. **Folia Haematol (Leipz)** 1980;107(4):654–60

Venous thrombosis and pregnancy [editorial] Yaqin H. **JPMA** 1981 Jan;31(1):1–2

Lack of improvement in von Willebrand's disease during pregnancy [letter] Adashi EY. **N Engl J Med** 1980 Nov 13;303(20):1178

Anaemias in pregnancy. Foreman JC. **Practitioner** 1981 Feb; 225(1352):175–84

[A case of pregnancy complicated by auto-immune hemolytic anemia] Derghazarian C. **Union Med Can** 1981 Mar;110(3):243–51 (Eng. Abstr.) **(Fre)**

[Gynaecological and obstetric operations in coagulative disorders (author's transl)] Voigt T, et al. **Zentralbl Gynaekol** 1980;102(19):1131–5 (Eng. Abstr.) **(Ger)**

[Anti-D isoimmunization: cases at the L. Mangiagalli Obstetrical and Gynecological Clinic I from June 1974 to December 1978. Perinatal results] Brambati B, et al. **Ann Ostet Ginecol Med Perinat** 1980 Jul-Aug; 101(4):225–34 (Eng. Abstr.) **(Ita)**

[Determination of fibrinolysis inhibitor activity in pregnancy. Preparation of plasminogen] Fantoni A, et al. **Arch Sci Med (Torino)** 1981 Apr-Jun;138(2):199–200 **(Ita)**

[Anemia and pregnancy. Clinico-epidemiological considerations] Bonomo A, et al. **Minerva Ginecol** 1981 Jan;33(1):57–60 (Eng. Abstr.) **(Ita)**

[A case of paroxysmal nocturnal hemoglobinuria; successful gestation and labor (author's transl)] Kawamura S, et al. **Rinsho Ketsueki** 1980 Aug;21(8):1226–31 **(Jpn)**

[Favorable course and outcome of pregnancy in a patient with aplastic anemia] Traczyk Z, et al. **Pol Tyg Lek** 1980 Jun 30;35(26):993–4 (Eng. Abstr.) **(Pol)**

BLOOD

The relationship between hematocrit levels in gravidae and their newborn. Ogunbode O. **Int J Gynaecol Obstet** 1980 Jul-Aug;18(1):57–60

[Severe Rh-isoimmunization and intensive plasma exchange during pregnancy] Heyns AD, et al. **S Afr Med J** 1980 Nov 29;58(22):884–8 (Eng. Abstr.) **(Afr)**

[Willebrand's disease and pregnancy (author's transl)] Delobel J, et al. **Sem Hop Paris** 1980 Jun 18–25; 56(25–28):1159–62 (Eng. Abstr.) **(Fre)**

[Pregnancy, delivery, and puerperium of patients with constitutional thrombopathy (author's transl)] Brandt M, et al. **Zentralbl Gynaekol** 1980;102(22):1308–11 (Eng. Abstr.) **(Ger)**

[Asphyxial shock and disseminated intravascular coagulation (DIC) in animal experiments. 3. Secondary fibrinolysis (author's transl)] Niedner W, et al. **Zentralbl Gynaekol** 1980; 102(11):616–21 (Eng. Abstr.) **(Ger)**

[Etiology and management of hypercoagulation in obstetrical diseases] Suzuki S. **Rinsho Ketsueki** 1980 Jun;21(6):751–8 **(Jpn)**

[Hemorheological disorders and their correction in late pregnancy toxicosis] Dzhivelegova GD, et al. **Akush Ginekol (Mosk)** 1981 Mar;(3):34–8 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

[Studies on the effect of oral contraceptives and epsilon-aminocaproic acid on pregnant rats and their fetuses with particular attention to the coagulation tests] Niżnikowska-Marks MJ, et al. **Pediatr Pol** 1980 Jul; 55(7):849–57 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Sickle cell crisis during pregnancy in a patient with hemoglobin SD disease. Thornton YS, et al. **Am J Obstet Gynecol** 1981 Mar 15;139(6):739–40

Henoch-Schönlein (anaphylactoid) nephropathy in pregnancy. Plauché WC. **Obstet Gynecol** 1980 Oct; 56(4):515–7

[A case of severe superimposed toxaemia of pregnancy accompanied by coagulopathy (author's transl)] During R. **Zentralbl Gynaekol** 1980;102(2):105–9 (Eng. Abstr.) **(Ger)**

[Acquired disorders of coagulation among patients at a centralised obstetric unit (author's transl)] Schmidt D, et al. **Zentralbl Gynaekol** 1980;102(23):1388–93 (Eng. Abstr.) **(Ger)**

[Anaemia and late gestosis and their risk during gravidity and delivery (author's transl)] Pačin J, et al. **Cesk Gynekol** 1980 Sep;45(8):554–7 (Eng. Abstr.) **(Slo)**

DIAGNOSIS

Thrombotic thrombocytopenic purpura in pregnancy: a reappraisal. Thiagarajah S, et al. **Am J Obstet Gynecol** 1981 Sep 1;141(1):20–4

Sickle-delta beta thalassemia: mild sickling disorder with serious morbidity in pregnancy. Cohen AW, et al. **Obstet Gynecol** 1981 Jul;58(1):127–30

A blood-clotting defect in pregnancy. Snyman FJ. **Proc Mine Med Off Assoc SA** 1978 Jan-Aug;57(425):60–3

[Paroxysmal nocturnal haemoglobinuria (PNH) and pregnancy (author's transl)] Heilmann L, et al. **Geburtshilfe Frauenheilkd** 1980 Aug;40(8):682–7 (Eng. Abstr.) **(Ger)**

[Pregnancy and parturition in idiopathic thrombocytopenic purpura (author's transl)] Frankenberg HW. **Geburtshilfe Frauenheilkd** 1981 Jul;41(7):512–4 (Eng. Abstr.) **(Ger)**

[Antithrombin III--determinations in obstetrics and gynecology] Gerlach H, et al. **Med Lab (Stuttg)** 1980 Sep; 33(9):227–32 **(Ger)**

[Use of high-speed ultrasonography for differential diagnosis of gestational haemorrhage, following formation of placenta (author's transl)] Pap G, et al. **Zentralbl Gynaekol** 1980;102(10):557–64 (Eng. Abstr.) **(Ger)**

[Coagulation disorders in obstetric patients at gynaecological hospital of Leipzig University, 1961 through 1978 (author's transl)] Voigt T, et al. **Zentralbl Gynaekol** 1980; 102(10):569–74 (Eng. Abstr.) **(Ger)**

[Express diagnosis of acute forms of disseminated intravascular coagulation in obstetrical practice] Makatsariia AD, et al. **Sov Med** 1980;(8):66–70 (Eng. Abstr.) **(Rus)**

[Megaloblastic anemia in pregnancy] Sošovec V, et al. **Vnitr Lek** 1980 Sep;26(9):886–90 (Eng. Abstr.) **(Slo)**

DRUG THERAPY

Disseminated intravascular coagulation in pregnancy. The role of heparin therapy. Thiagarajah S, et al. **J Reprod Med** 1981 Jan;26(1):17–20

The management of anaemia in pregnancy. Dommisse J. **S Afr Med J** 1980 Nov 1;58(18):717–9

Management of anaemia in pregnancy [letter] Dommisse J. **S Afr Med J** 1981 May 16;59(21):738–9

Acute leukemia during pregnancy. Taylor G, et al. **South Med J** 1980 Oct;73(10):1314–5

Conferon treatment in risk pregnancy due to iron deficiency anaemia. Bognár Z. **Ther Hung** 1980;28(2):79–81

[Modern iron-folic acid therapy during pregnancy] Eydam F. **Med Welt** 1980 Sep 5;31(36):1284–7 **(Ger)**

[Clinico-statistical findings on the effectiveness of the combination of iron, liver extract and vitamin B in anemias in obstetrico-gynecological disorders] Nappi R. **Arch Ostet Ginecol** 1979 Mar-Jul;84(3–4):99–109 (Eng. Abstr.) **(Ita)**

ENZYMOLOGY

[Heme synthesis and iron status in pregnancy] Linkesch W, et al. **Acta Med Austriaca [Suppl]** 1979;6:368–72 (Eng. Abstr.) **(Ger)**

[The Alius-Grignaschi anomaly: assessment of granulocyte function and lysosomal enzymes (author's transl)] Jiménez Herráez MC, et al. **Sangre (Barc)** 1980;25(5):601–12 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Lymphocyte subpopulation study in cord blood of newborns with reference to maternal anaemia. Capoor U, et al. **Indian J Med Res** 1981 Feb;73:199–203

Coagulation disorders in obstetrics. Graeff H, et al. **Major Probl Obstet Gynecol** 1980;13:1–157

[A case of pure red cell aplasia associated with pregnancy and bone marrow cells responsive to erythropoietin in vitro (author's transl)] Wakabayashi Y, et al. **Nippon Ketsueki Gakkai Zasshi** 1980 Jun;43(3):514–22 (Eng. Abstr.) **(Jpn)**

[A case of microangiopathic hemolytic anemia associated with pre-eclampsia (author's transl)] Ida T, et al. **Rinsho Ketsueki** 1980 Aug;21(8):1178–84 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Immunologic maturation in an infant born to a mother with agammaglobulinemia. Kobayashi RH, et al. **Am J Dis Child** 1980 Oct;134(10):942–4

Autoimmune hemolytic disease during pregnancy. Sacks DA, et al. **Am J Obstet Gynecol** 1981 Aug 15;140(8):942–6

Neonatal alloimmune thrombocytopenia complicated by maternal autoimmune thrombocytopenia. van Leeuwen EF, et al. **Br Med J** 1980 Jul 5;281(6232):27

Maternal autoimmune thrombocytopenia and the newborn. van Leeuwen EF, et al. **Br Med J [Clin Res]** 1981 Jul 11; 283(6248):104

Isoimmune thrombocytopenia: coordinated management of mother and infant. Surainder SY, et al. **Obstet Gynecol** 1981 Jan;57(1):124–8

[Immunological enhancement in pregnancy: necessity of materno-fetal incompatibility for a good result of fetoplacental homograft] Cardone A, et al. **Riv Ital Ginecol** 1977 Nov-Dec;58(6):451–60 (Eng. Abstr.) **(Ita)**

METABOLISM

Iron studies in pregnant and non-pregnant women with haemoglobin SS or SC disease. Oluboyede OA. **Br J Obstet Gynaecol** 1980 Nov;87(11):989–96

MORTALITY

Clinicopathological Conference. Two cases of severe anemia ending in death. Dickson CZ, et al. **SD J Med** 1981 Feb; 34(2):23–8

OCCURRENCE

[A quarter of all pregnant woemn are anemic] Göltner E. **Med Klin** 1980 Jun 20;75(13):491–5 (30 ref.) **(Ger)**

PATHOLOGY

[Asphyxial shock and disseminated intravascular coagulation (DIC) in animal experiments. 1. Histological picture (author's transl)] Niedner W, et al. **Zentralbl Gynaekol** 1980; 102(11):596–605 (Eng. Abstr.) **(Ger)**

[Morphological changes in the mature placenta in anemia in pregnant women] Aver'ianova SG. **Akush Ginekol (Mosk)** 1980 Dec;(12):12–6 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Platelet disorders in pregnancy. Romero R, et al. **Clin Perinatol** 1980 Sep;7(2):327–48 (112 ref.)

Coagulation problems in pregnancy. Kuhn W, et al. **Contrib Nephrol** 1981;25:78–84

[Sinusoidal fetal heart rhythm (author's transl)] Romanini C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(4):455–60 (Eng. Abstr.) **(Fre)**

[Asphyxial shock and disseminated intravascular coagulation (DIC) in animal experiments. 2. Morphometric tests and blood coagulation studies (author's transl)] Niedner W, et al. **Zentralbl Gynaekol** 1980;102(11):606–15 (Eng. Abstr.) **(Ger)**

[Cerebral thrombophlebitis as the expression of disseminated intravasal coagulopathy in pregnancy. Presentation of a clinical case] Bossi L, et al. **Arch Sci Med (Torino)** 1980 Apr-Jun;137(2):351–3 (Eng. Abstr.) **(Ita)**

PREVENTION & CONTROL

[Prevention and treatment of blood coagulation disorders in pregnancy toxemias] Soszka T. **Ginekol Pol** 1981 Jan; 52(2):201–4 (20 ref.) (Eng. Abstr.) **(Pol)**

THERAPY

Vena caval filter placement during pregnancy. Barnes AB, et al. **Am J Obstet Gynecol** 1981 Jul 15;140(6):707–8

Red cell exchange in the pregnancy complicated by a major hemoglobinopathy. Keeling MM, et al. **Am J Obstet Gynecol** 1980 Sep 15;138(2):185–8

Automated erythrocytopheresis for sickle cell anemia during pregnancy. Key TC, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 1):731–7

Sickle hemoglobin and the gravid patient: a management controversy. Morrison JC, et al. **Clin Perinatol** 1980 Sep; 7(2):273–84

Management of pregnancy in women with immune thrombocytopenic purpura. Carloss HW, et al. **JAMA** 1980 Dec 19;244(24):2756–8

Prophylactic transfusions in pregnant patients with sickle hemoglobinopathies: benefit versus risk. Morrison JC, et al. **Obstet Gynecol** 1980 Sep;56(3):274–80

[Repeated leukapheresis in a pregnant woman with myelocytic leukemia] Durkalec J, et al. **Pol Tyg Lek** 1981 Mar 23;36(12):449–50 (Eng. Abstr.) **(Pol)**

VETERINARY

[Maternal and fetal response to hemorrhagic anemia during organogenesis in rats] Matsubara Y, et al. **Jikken Dobutsu** 1981 Jan;30(1):15–20 (Eng. Abstr.) **(Jpn)**

PREGNANCY COMPLICATIONS, INFECTIOUS

Deafness and rubella: infants in the 60's, adults in the 80's. **Am Ann Deaf** 1980 Nov;125(8):959–1030

Deafness and rubella: infants in the '60s, adults in the '80s. Introduction. Castle WE. **Am Ann Deaf** 1980 Nov; 125(8):961–2

Neurologic damage and behavior disorder in rubella children. Chess S, et al. **Am Ann Deaf** 1980 Nov;125(8):998–1001

But don't quote me: reflections by parents on deafness and rubella. Fairchild B. **Am Ann Deaf** 1980 Nov; 125(8):1007–11

Deaf-blind children with maternal rubella: implications for adult services. Lockett T, et al. **Am Ann Deaf** 1980 Nov; 125(8):1002–6

Deafness and rubella: a challenge and a charge to rehabilitation. Mills C. **Am Ann Deaf** 1980 Nov; 125(8):1026–30

Rubella-caused deafness: maintaining objectivity and a positive frame of reference. Pimentel AT. **Am Ann Deaf** 1980 Nov;125(8):1012–4

Deafness and rubella: infants in the '60s, adults in the '80s. Silverman SR. **Am Ann Deaf** 1980 Nov;125(8):963–7

Projections for deaf students with maternal rubella: college and other alternatives. Stuckless ER. **Am Ann Deaf** 1980 Nov;125(8):985–92

The demographics of deafness resulting from maternal rubella. Trybus RJ, et al. **Am Ann Deaf** 1980 Nov; 125(8):977–84

Relationship of rubella, herpes simplex, cytomegalovirus, and certain other viral disabilities. Vernon M, et al. **Am Ann Deaf** 1980 Aug;125(5):529–34

Handicapping conditions associated with the congenital rubella syndrome. Vernon M, et al. **Am Ann Deaf** 1980 Nov;125(8):993–7

The 'rubella bulge' and vocational planning. Wyks HW. **Am Ann Deaf** 1980 Nov;125(8):1022–5

Campylobacter infections in pregnancy. Case report and literature review. Gribble MJ, et al. **Am J Obstet Gynecol** 1981 Jun 15;140(4):423–6

Fatal influenzal pneumonia in pregnancy: Failure to demonstrate transplacental transmission of influenza virus. Ramphal R, et al. **Am J Obstet Gynecol** 1980 Oct 1; 138(3):347–8

Herpes gestationis and bullous pemphigoid: a disease spectrum. Holmes R, et al. **Br J Dermatol** 1980 Nov; 103(5):535–41

Transmission of hepatitis B antigens from symptom free carrier mothers to the fetus and the infant. Wong VC, et al. **Br J Obstet Gynaecol** 1980 Nov;87(11):958–65

Spontaneous abortion after hand–foot–and–mouth disease caused by Coxsackie virus A16. Ogilvie MM, et al. **Br Med J** 1980 Dec 6;281(6254):1527–8

Meningitis and septicaemia due to haemophilus influenzae type b in pregnancy. Sandberg T, et al. **Br Med J [Clin Res]** 1981 Mar 21;282(6268):946

Perinatal infections. General discussion II. **Ciba Found Symp** 1979;(77):205–13

Perinatal infections. General discussion I. **Ciba Found Symp** 1979;(77):119–23

Perinatal infections. Final general discussion. **Ciba Found Symp** 1979;(77):261–80

Escherichia coli and group B streptococcal infections in experimental animals. Coid CR. **Ciba Found Symp** 1979; (77):103–18

Effects of parasitic infections in pregnant women. Reinhardt MC. **Ciba Found Symp** 1979;(77):149–70

Consequences of amniotic fluid infections: early neonatal septicaemia. Tafari N, et al. **Ciba Found Symp** 1979; (77):55–67

Obstetrical management of maternal listeremia. Freedman LJ, et al. **Diagn Gynecol Obstet** 1980 Summer;2(2):157–9

Studies on the maternal–infant transmission of the viruses which cause acute hepatitis. Tong MJ, et al. **Gastroenterology** 1981 May;80(5 pt 1):999–1004

Annual meeting of the American Infectious Disease Society for Obstetrics and Gynecology, 1979. **Gynecol Obstet Invest** 1980;11(3):177–90

The role of mycoplasma among 81 consecutive pregnancies: a prospective study. Horne HW Jr, et al. **Int J Fertil** 1980; 25(4):315–7

Murine cytomegalovirus: reactivation in pregnancy. Gould JJ, et al. **J Gen Virol** 1980 Dec;51(Pt 2):397–400

Fetal infection resulting from maternal rubella after the first trimester of pregnancy. Cradock–Watson JE, et al. **J Hyg (Lond)** 1980 Dec;85(3):381–91

Colonization of Mexican pregnant women with group B streptococcus [letter] de Lourdes Collado M, et al. **J Infect Dis** 1981 Jan;143(1):134

Pulmonary tuberculosis with pregnancy. Suvonnakote T, et al. **J Med Assoc Thai** 1981 Jan;64(1):26–30

Examination for influenza IgA and IgM antibodies in pregnancies associated with fetal neural–tube defects. Warrell MJ, et al. **J Med Microbiol** 1981 Feb;14(1):159–62

Hepatitis and pregnancy. Risks for the newborn. Immunoprophylaxis of vertically transmitted hepatitis. Joosten R, et al. **J Perinat Med** 1981;9(3):115–23 (51 ref.)

Pregnancy bacteriuria and Escherichia coli [editorial] McFadyen IR. **J R Soc Med** 1980 Apr;73(4):227–9

Cryptococcal meningitis in pregnancy. Curole DN. **J Reprod Med** 1981 Jun;26(6):317–9

Tularemia and the tomcat. Evans ME, et al. **JAMA** 1981 Sep 18;246(12):1343

African histoplasmosis in the United States. Shore RN, et al. **JAMA** 1981 Feb 20;245(7):734

Trichomonas in pregnancy [letter] Mason PR, et al. **Lancet** 1980 Nov 8;2(8202):1025–6

Infections in obstetrics and gynecology. Charles D. **Major Probl Obstet Gynecol** 1980;12:1–427

Midtrimester abortion associated with septicaemia caused by Campylobacter jejuni. Gilbert GL, et al. **Med J Aust** 1981 May 30;1(11):585–6

Secondary maternal cytomegalovirus infection causing symptomatic congenital infection [letter] Ahlfors K, et al. **N Engl J Med** 1981 Jul 30;305(5):284

Burkitt's lymphoma: obstetric and gynecologic aspects. Jones DE, et al. **Obstet Gynecol** 1980 Oct;56(4):533–6

Audiological findings in children with a congenital rubella syndrome. Osterhammel D. **Scand Audiol [Suppl]** 1980; (Suppl 10):33–44

Clinicopathologic study of cytomegalovirus and congenital hearing loss: a progress report. Strauss M, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1980 Fall; 33(2):175–82

Rift Valley fever as a possible cause of human abortions [letter] Abdel–Aziz AA, et al. **Trans R Soc Trop Med Hyg** 1980;74(5):685–6

Infection as a possible trigger factor in the genesis of eclampsia. Ekwempu CC. **Trop Doct** 1980 Oct;10(4):174–8

Obstetric infections. Oster HA. **West J Med** 1981 May; 134(5):394–404 (139 ref.)

[Pyelonephritis in pregnancy] Kremling H. **Med Klin** 1981 Jul 3;76(14):392–4 (20 ref.) **(Ger)**

[Transmission of hepatitis B to infants of mothers with chronic antigenemia] De Ritis L, et al. **Minerva Pediatr** 1981 Jun 15;33(11):515–20 (Eng. Abstr.) **(Ita)**

[Congenital hearing defects after rubella] Olsholt H, et al. **Tidsskr Nor Laegeforen** 1980 Aug 10;100(22):1270–2 (Eng. Abstr.) **(Nor)**

[State of health of newborn infants delivered by women with a history of viral hepatitis in the last trimester of pregnancy] Gocyla I, et al. **Ginekol Pol** 1980 May;51(5):433–8 (Eng. Abstr.) **(Pol)**

[Urinary tract infection in pregnancy] Kuczyńska–Sicińska J. **Ginekol Pol** 1980 Oct;51(10):877–83 **(Pol)**

[Clinical significance of asymptomatic bacteriuria in pregnant women] Hebanowski M, et al. **Pol Tyg Lek** 1980 Oct 13; 35(41):1585–7 (34 ref.) **(Pol)**

[Risk of bacterial infection of the fetus in pregnant women with pyelonephritis] Ankirskaia AS, et al. **Akush Ginekol (Mosk)** 1980 Aug;(8):32–5 (Eng. Abstr.) **(Rus)**

[Role of dysentery infection in pregnancy and fetal pathology] Tevzadze LP, et al. **Akush Ginekol (Mosk)** 1980 Aug;(8):56 **(Rus)**

[Organ culture of the liver of sucklings born to mice infected with viruses during pregnancy] Gicheva TA, et al. **Biull Eksp Biol Med** 1980 Dec;90(12):732–3 (Eng. Abstr.) **(Rus)**

[Toxoplasmosis and pregnancy (author's transl)] Tello P. **Bol Chil Parasitol** 1980 Jan–Mar;35(1–2):21–4 (Eng. Abstr.) **(Spa)**

[Genitourinary flora in pregnant women and urinary infection (author's transl)] Schulz R, et al. **Rev Med Chil** 1980 Feb; 108(2):121–7 (Eng. Abstr.) **(Spa)**

BLOOD

Excessive hypertriglyceridemia and pancreatitis in pregnancy. Association with deficiency of lipoprotein lipase. Lykkesfeldt G, et al. **Acta Obstet Gynecol Scand** 1981;60(1):79–82

COMPLICATIONS

Experimental infection of pregnant mice with viruses of the tick–borne encephalitis (TBE) complex [letter] Molnárová A, et al. **Acta Virol (Praha)** 1980 Jun;24(4):297

Childhood cancer in relation to prenatal exposure to chickenpox. Blot WJ, et al. **Br J Cancer** 1980 Aug; 42(2):342–4

Zoster in infancy: failure to maintain virus latency following intrauterine infection. Brunell PA, et al. **J Pediatr** 1981 Jan;98(1):71–3

Placental infection with Mycoplasma hominis and Ureaplasma urealyticum: clinical correlation. Embree JE, et al. **Obstet Gynecol** 1980 Oct;56(4):475–81

[Is infection of the fetal membranes a cause of premature labor?] Cupr Z, et al. **Cesk Gynekol** 1981 May;46(4):306–8 **(Cze)**

[Studies on the placental damage and IUGR caused by intravaginally inoculated herpes simplex virus type–2 (HSV–2) during pregnancy (author's transl)] Ando Y. **Acta Obstet Gynaecol Jpn** 1981 May;33(5):681–9 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

How to diagnose rubella during pregnancy. McCubbin JH, et al. **Am Fam Physician** 1981 Feb;23(2):205–8

The efficacy of the nitrite test and microscopic urinalysis in predicting urine culture results. Lenke RR, et al. **Am J Obstet Gynecol** 1981 Jun 15;140(4):427–9

The presumptive diagnosis of primary cytomegalovirus infection in early pregnancy by means of a radioimmunoassay for specific–IgM antibodies. Griffiths PD. **Br J Obstet Gynaecol** 1981 Jun;88(6):582–7

Antenatal screening for syphilis [letter] Wright DJ, et al. **Br J Vener Dis** 1981 Apr;57(2):147–8

Perinatal infections: the obstetrician's viewpoint. Malvern J. **Ciba Found Symp** 1979;(77):215–27

Screening for toxoplasmosis in pregnancy. Broadbent EJ, et al. **J Clin Pathol** 1981 Jun;34(6):659–64

Clinical approach to the choice of antimicrobial therapy, case 20, Part A: Fever in pregnancy. Waterfill DB, et al. **J Ky Med Assoc** 1980 Sep;78(9):531–4

Pregnancy diagnosis and bacteriuria [letter] Murray ED. **J R Coll Gen Pract** 1980 Oct;30(219):634

Bubonic plague in pregnancy. Coppes JB. **J Reprod Med** 1980 Aug;25(2):91–5

Management of genital herpes simplex virus infection during pregnancy. Grossman JH 3d, et al. **Obstet Gynecol** 1981 Jul;58(1):1–4

Cystitis during pregnancy: a distinct clinical entity. Harris RE, et al. **Obstet Gynecol** 1981 May;57(5):578–80

Tuberculosis in pregnancy with fatal congenital infection. Myers JP, et al. **Pediatrics** 1981 Jan;67(1):89–94

Diagnosis and treatment of vaginal discharge in pregnancy. Ross SM, et al. **S Afr Med J** 1980 Nov 8;58(19):757–9

Pertussis in pregnancy. MacLean DW, et al. **Scott Med J** 1981 Jul;26(3):250–3

[Suppurative endometritis of a pregnancy. A diagnosis made during a caesarean operation (author's transl)] Elhaik S, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(5):557–9 (Eng. Abstr.) **(Fre)**

[Epstein–Barr virus infections in pregnancy. The serological profile of active infections in pregnant women. Their possible relationship with perinatal mortality (author's transl)] Monrozies M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(3):293–7 (Eng. Abstr.) **(Fre)**

[Syphilis in pregnancy: an avoidable high risk] Durocher LP. **Union Med Can** 1981 Jan;110(1):47–51 (Eng. Abstr.) **(Fre)**

[Varicella infections in pregnancy] Wagner D, et al. **MMW** 1980 Oct 10;122(41):1403–4 **(Ger)**

[The diagnostic significance of the indirect hemagglutination test for the surveillance of toxoplasmosis during pregnancy (author's transl)] Picher O, et al. **Wien Med Wochenschr** 1981 Jan 15;131(1):14–22 (Eng. Abstr.) **(Ger)**

[Urinary tract infections in gynecology and obstetrics] Fischer W, et al. **Zentralbl Gynaekol** 1980;102(15):818–32 (Eng. Abstr.) **(Ger)**

[Studies into specificity for dye test (DT), complement fixation (CF), and intradermal test (ST) in diagnosis of toxoplasmosis (author's transl)] Miller EC. **Zentralbl Gynaekol** 1980;102(5):283–94 (Eng. Abstr.) **(Ger)**

[Behaviour of cellular immunity, detectable by means of intradermal test, following Toxoplasma gondii infection (author's transl)] Miller EC. **Zentralbl Gynaekol** 1980; 102(5):295–7 (Eng. Abstr.) **(Ger)**

[Maternal and fetal monitoring of Toxoplasma gondii infestation] Cagini P, et al. **Minerva Pediatr** 1981 Jun 15; 33(11):521–8 (Eng. Abstr.) **(Ita)**

[Toxoplasmosis in pregnancy] Liber Z, et al. **Wiad Lek** 1980 Dec 15;33(24):1965–71 (Eng. Abstr.) **(Pol)**

[The course of pregnancy and labor complicated by acute viral hepatitis] Prokić N, et al. **Med Pregl** 1980; 33(5–6):213–6 (Eng. Abstr.) **(Scr)**

[Acute appendicitis during pregnancy] Bagger P, et al. **Lakartidningen** 1980 Nov 26;77(48):4570–2 (Eng. Abstr.) **(Swe)**

DRUG THERAPY

Streptococcal infections in pregnancy. A study of 48 bacteremias. Gibbs RS, et al. **Am J Obstet Gynecol** 1981 Jun 15;140(4):405–11

Tuberculosis in association with pregnancy. Good JT Jr, et al. **Am J Obstet Gynecol** 1981 Jul 1;140(5):492–8

Human pasteurellosis: The first reported case of Pasteurella multocida septicemia and peritonitis during pregnancy. Kam WK, et al. **Am J Obstet Gynecol** 1980 Oct 1; 138(3):351–2

Giardiasis in pregnancy. Kreutner AK, et al. **Am J Obstet Gynecol** 1981 Aug 15;140(8):895–901

Natural history of group B streptococcus colonization and its therapy during pregnancy. Lewin EB, et al. **Am J Obstet Gynecol** 1981 Mar 1;139(5):512–5

Treatment of tuberculosis during pregnancy [letter] Wall MA. **Am Rev Respir Dis** 1980 Dec;122(6):989

Nalidixic acid in pregnancy [letter] Murray ED. **Br Med J [Clin Res]** 1981 Jan 17;282(6259):224

Treatment of urinary tract infection during pregnancy. McGeown MG. **Contrib Nephrol** 1981;25:30–5

Herpes simplex infections complicating parturition. Behlmer SD, et al. **Int J Dermatol** 1981 May;20(4):242–8

Study of cefotaxime in the treatment of obstetric and gynaecological infections. Soutoul JH, et al. **J Antimicrob Chemother** 1980 Sep;6 Suppl A:283–5

Antibiotic therapy of antepartum urinary tract infections. Harris RE. **J Int Med Res** 1980;8(Suppl 1):40–4

Clinical approach to the choice of antimicrobial therapy, case 20, Part B: Fever in pregnancy. Waterfill DB, et al. **J Ky Med Assoc** 1980 Oct;78(10):596–600.

Antituberculous drugs in pregnancy [editorial] **Lancet** 1980 Dec 13;2(8207):1285–6

Antituberculous drugs in pregnancy [letter] Brock PG, et al. **Lancet** 1981 Jan 3;1(8210):43

Vancomycin in pregnancy [letter] MacCulloch D. **NZ Med J** 1981 Feb 11;93(677):93–4

Reduced urinary estriol levels with erythromycin therapy. Gallagher JC, et al. **Obstet Gynecol** 1980 Sep;56(3):381–2

Intraamniotic infection due to group G streptococcus: treatment and antibody response. Larsen JW Jr, et al. **Obstet Gynecol** 1981 Aug;58(2):222–6

Streptomycin ototoxicity in the unborn child. Donald PR, et al. **S Afr Med J** 1981 Aug 22;60(8):316–8

Canesten treatment of vaginal mycoses during pregnancy. Szalóczy P, et al. **Ther Hung** 1980;28(3):134–7

[Treatment of vaginal trichomoniasis with ornidazole during pregnancy] Topolanski–Sierra R, et al. **Gynaekol Rundsch** 1980;20(1):22–8 **(Fre)**

[Vulvovaginal candidiasis in pregnancy and its treatment with clotrimazole] Fedi B, et al. **Boll Soc Ital Biol Sper** 1979 Aug 30;55(16):1588–92 (Eng. Abstr.) **(Ita)**

[Vulvovaginal mycoses. Clinical study of a new antimycotic drug econazole] Trossarelli GF, et al. **Minerva Ginecol** 1981 May;33(5):501–6 (Eng. Abstr.) **(Ita)**

[The use of antibacterial agents in pregnancy] Alés Reinlein JM, et al. **Minerva Med** 1980 Oct 20;71(40):2951–7 **(Ita)**

[Future of antibiotic therapy in the field of obstetrics] Takase Z. **Nippon Rinsho** 1981 Feb;39(2):397–402 **(Jpn)**

[Treatment of toxoplasmosis in obstetrics and gynecology] Furmaniuk J, et al. **Ginekol Pol** 1981 Jan;52(2):189–91 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

[G-glutamyl-transpeptidase in clinical practice: a review (author's transl)] Jirón MI, et al. **Rev Med Chil** 1980 Apr; 108(4):332–7 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Conservative management of premature rupture of the membrane. Varner MW, et al. **Am J Obstet Gynecol** 1981 May 1;140(1):39–45

A prospective study of group B streptococcal bacteriuria in pregnancy. Wood EG, et al. **Am J Obstet Gynecol** 1981 Jul 1;140(5):515–20

Infection with non-sporing anaerobes in obstetrics and gynaecology. A review. Seligman SA, et al. **Br J Obstet Gynaecol** 1980 Oct;87(10):846–55 (85 ref.)

The genesis of amniotic fluid infections. Ross SM, et al. **Ciba Found Symp** 1979;(77):39–53

Infections due to Epstein-Barr virus during pregnancy. Icart J, et al. **J Infect Dis** 1981 Mar;143(3):499

Intrauterine infection with mumps virus. Garcia AG, et al. **Obstet Gynecol** 1980 Dec;56(6):756–9

Acute pyelonephritis in pregnancy: an anterospective study. Gilstrap LC 3d, et al. **Obstet Gynecol** 1981 Apr; 57(4):409–13

Pregnancy associated recrudescence in murine malaria (Plasmodium berghei). van Zon AA, et al. **Tropenmed Parasitol** 1980 Dec;31(4):402–8

[Cerclage and infection. Clinical and therapeutic study (author's transl)] Dubouloz P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(6):671–4 (Eng. Abstr.) **(Fre)**

[Pathogenetic, diagnostic and treatment problems in Mycoplasma infections in obstetrics and gynecology] Bashmakova MA, et al. **Akush Ginekol (Mosk)** 1981 Apr; (4):61–3 **(Rus)**

IMMUNOLOGY

Prevalence of Chlamydia trachomatis antibodies in cord blood. San Joaquin VH, et al. **Am J Obstet Gynecol** 1981 Sep 1;141(1):101–2

Herpes gestationis associated with the C3 nephritic factor. Grimwood R, et al. **Arch Dermatol** 1980 Sep;116(9):1045–7

Herpes gestationis and anti-HLA immunization. Eberst E, et al. **Br J Dermatol** 1981 May;104(5):553–9

Immunopathological and clinical studies in herpes gestationis. Foidart JM, et al. **Br J Obstet Gynaecol** 1981 Feb; 88(2):153–9

A preliminary report on the materno-foetal immunological changes in schistosomiasis. I. Immunoglobulin changes. Abbassy AF, et al. **Egypt J Bilharz** 1978;5(1–2):71–6

A preliminary report on materno-foetal immunological changes in schistosomiasis. II. Circulating antigens and antibodies. el-Raziky EH, et al. **Egypt J Bilharz** 1978; 5(1–2):77–84

Serological investigation of BK papovavirus infection in pregnant women and their offspring. Shah K, et al. **Infect Immun** 1980 Oct;30(1):29–35

Malarial immunity in pregnant Nigerian women and their newborn. Ibeziako PA, et al. **Int J Gynaecol Obstet** 1980 Sep–Oct;18(2):147–9

Herpes gestationis. A possible association with autoimmune thyrotoxicosis (Graves' disease). Holmes RC, et al. **J Am Acad Dermatol** 1980 Nov;3(5):474–7

High frequency of histocompatibility antigens HLA-DR3 and DR4 in herpes gestations. Shornick JK, et al. **J Clin Invest** 1981 Aug;68(2):553–5

Occurrence of IgM antibodies against BK and JC polyomaviruses during pregnancy. Gibson PE, et al. **J Clin Pathol** 1981 Jun;34(6):674–9

The natural history of herpes simplex virus infection of mother and newborn. Whitley RJ, et al. **Pediatrics** 1980 Oct;66(4):489–94

Serological studies on possible causes of intra-uterine infections in Thai infants. Tantivanich S, et al. **Southeast Asian J Trop Med Public Health** 1980 Sep; 11(3):387–94

IgM antibody to filarial antigens in human cord blood: possibility of transplacental infection. Dissanayake S, et al. **Trans R Soc Trop Med Hyg** 1980;74(4):542–4

A case of congenital malaria in Malaysia with IgM malaria antibodies. Thomas V, et al. **Trans R Soc Trop Med Hyg** 1980;74(1):73–6

[IgM and IgA levels in the umbilical sera of newborn infants: a diagnostic criterion in intrauterine viral infections] Klaín S, et al. **Akush Ginekol (Sofiia)** 1981;20(2):115–8 (Eng. Abstr.) **(Bul)**

[Herpes gestationis: antibasal cell antibodies in five out of sixteen cases (author's transl)] Didierjean L, et al. **Ann Dermatol Venereol** 1980;107(11):1015–21 (Eng. Abstr.) **(Fre)**

[The significance of infectious diseases during pregnancy with special reference to complicated pregnancies] Mayer HO, et al. **Gynaekol Rundsch** 1980 Jun;20 Suppl 2:220–2 **(Ger)**

[Experimental Echinococcus multilocularis infections of the maternal mouse and their significance for the offspring] Hinz E, et al. **Tropenmed Parasitol** 1980 Jun;31(2):135–42 (54 ref.) (Eng. Abstr.) **(Ger)**

[Detection of secretory IgA in urine of patients with urinary tract infection in pregnancy and puerperium (author's transl)] Briese V, et al. **Zentralbl Gynaekol** 1980; 102(18):1072–4 (Eng. Abstr.) **(Ger)**

[Specific immune response in asymptomatic bacteriuria in pregnancy] Airò R, et al. **Boll Ist Sieroter Milan** 1980; 59(6):625–31 (Eng. Abstr.) **(Ita)**

[The course of anti-cytomegalovirus antibodies during pregnancy] Panà A, et al. **Nuovi Ann Ig Microbiol** 1979 Sep–Oct;30(5):321–9 (Eng. Abstr.) **(Ita)**

[Determination of umbilical cord blood Ig and its correlation with prenatal infections (author's transl)] Focà A, et al. **Quad Sclavo Diagn** 1979 Jun;15(2):189–95 (Eng. Abstr.) **(Ita)**

METABOLISM

Pharmacokinetics of Metronidazole in pregnant women. Amon I, et al. **Chemotherapy** 1981;27(2):73–9

Rapid gentamicin elimination in obstetric patients. Zaske DE, et al. **Obstet Gynecol** 1980 Nov;56(5):559–64

MICROBIOLOGY

Amniotic fluid infection as determined by transabdominal amniocentesis in patients with intact membranes in premature labor. Bobitt JR, et al. **Am J Obstet Gynecol** 1981 Aug 15;140(8):947–52

Bladder versus renal bacteriuria during pregnancy: recurrence after treatment. Leveno KJ, et al. **Am J Obstet Gynecol** 1981 Feb 15;139(4):403–6

Isolation of cytomegalovirus from the amniotic fluid during the third trimester. Yambao TJ, et al. **Am J Obstet Gynecol** 1981 Apr 15;139(8):937–8

Effect on mice of infection during pregnancy with three Australian arboviruses. Aaskov JG, et al. **Am J Trop Med Hyg** 1981 Jan;30(1):198–203

Colonization of mouse placentas by Brucella abortus inoculated during pregnancy. Bosseray N. **Br J Exp Pathol** 1980 Aug;61(4):361–8

Prevalence of group B streptococci in obstetrical cases. Chaudhary U, et al. **Indian J Med Res** 1981 May;73:710–4

Bacteroides bivius and Bacteroides disiens in obstetrical patients: clinical findings and antimicrobial susceptibilities. Snydman DR, et al. **J Antimicrob Chemother** 1980 Jul; 6(4):519–25

Primary carrier sites of group B streptococci in pregnant women correlated with serotype distributions and maternal parity. Islam AK. **J Clin Pathol** 1981 Jan;34(1):78–81

Susceptibility of the female reproductive tract of mice to Tyzzer's organism. Kadowaki Y, et al. **Jpn J Exp Med** 1980 Apr;50(2):123–33

Community acquisition of group B Streptococcus by infants of colonized mothers. Gardner SE, et al. **Pediatrics** 1980 Dec;66(6):873–5

Group F Streptococcus associated with intrauterine pneumonia [letter] Wells DW, et al. **Pediatrics** 1980 Nov; 66(5):820–1

A suppurative ovarian cyst in pregnancy due to Salmonella typhi. Nuttall ID, et al. **Scand J Infect Dis** 1980;12(4):311–2 (2 ref.)

[Bacteriuria caused by aerobic and anaerobic bacteria in pregnant women admitted for medical indications] Meijer-Severs GJ, et al. **Ned Tijdschr Geneeskd** 1980 Aug 2;124(31):1290–3 (Eng. Abstr.) **(Dut)**

[A systematic search for Ureaplasma urealyticum in vaginal swabs. The results (author's transl)] Giacomini T, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(4):439–43 (Eng. Abstr.) **(Fre)**

[isolation of viruses from the amniotic fluid in infections in early pregnancy] Schilt U, et al. **Gynakol Rundsch** 1981; 21(3):166–70 **(Ger)**

[The incidence of Streptococcus agalactiae (Group B) strains in parturients and their newborn infants. Clinical implications of infection] Korányi G, et al. **Orv Hetil** 1980 Jun 8;121(23):1381–4 **(Hun)**

[Immunological indexes of receptivity and seroconversion for rubella and toxoplasmosis in the province of Ferrara, Italy (author's transl)] Ferrucci M, et al. **Ann Sclavo** 1980 Jul-Aug;22(4):606–23 (Eng. Abstr.) **(Ita)**

[Preliminary considerations on maternal-fetal-neonatal implications of vulvovaginitis in pregnancy] Turi A, et al. **Riv Ital Ginecol** 1980;59(1):37–47 **(Ita)**

[Anaerobic gynecologic and obstetrical infections] Bygdeman M, et al. **Lakartidningen** 1981;78(13):1324–7 (Eng. Abstr.) **(Swe)**

MORTALITY

[Hepatitis and pregnancy in Tunis. 103 cases compared with 100 cases who were not pregnant (author's transl)] Kharouf M, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980; 9(8):887–94 (Eng. Abstr.) **(Fre)**

OCCURRENCE

Chlamydia trachomatis infection in mothers and infants. A prospective study. Heggie AD, et al. **Am J Dis Child** 1981 Jun;135(6):507–11

Incidence and severity of viral hepatitis in pregnancy. Khuroo MS, et al. **Am J Med** 1981 Feb;70(2):252–5

Hepatitis B infection in hospital personnel during an eight-year period; policies for screening and pregnancy in high risk areas. Pantelick EL, et al. **Am J Med** 1981 Apr;70(4):924–7

A prospective study of primary cytomegalovirus infection in pregnant women. Griffiths PD, et al. **Br J Obstet Gynaecol** 1980 Apr;87(4):308–14

Prevalence of cervical gonorrhoea in women with unwanted pregnancies. van der Lugt B, et al. **Br J Vener Dis** 1980 Jun;56(3):148–50

An investigation of malaria during pregnancy in Zimbabwe. Herd N, et al. **Cent Afr J Med** 1981 Apr;27(4):62–3, 66–8

Prevalence of maternal and neonatal infections in a developing country: possible low-cost preventive measures. Urrutia JJ, et al. **Ciba Found Symp** 1979; (77):171–86

Acute urinary tract infection in pregnancy in a Nigerian community. Diejomaoh FM. **East Afr Med J** 1981 Mar; 58(3):199–207

Gonorrhea, Trichomonas and Candida among gravid and nongravid women in cameroon. Nasah BT, et al. **Int J Gynaecol Obstet** 1980 Jul-Aug;18(1):48–52

Low incidence of group B streptococcal vaginal colonization at 38 weeks' gestation in a military family practice obstetric population. Alcoff JM, et al. **J Fam Pract** 1981 Jun; 12(6):1072–3, 1079

Prevalence of toxoplasma antibodies according to age with comments on the risk of prenatal infection. van der Veen J, et al. **J Hyg (Lond)** 1980 Oct;85(2):165–74

Twin pregnancies: incidence of group B streptococcal colonization and disease. Pass MA, et al. **J Pediatr** 1980 Oct;97(4):635–7

Rubella in pregnancy: a guide to rational counseling [editorial] Fulginiti VA, et al. **JAMA** 1981 Apr 24; 245(16):1666

Assessing risks of rubella infection during pregnancy. A standardized approach. Mann JM, et al. **JAMA** 1981 Apr 24;245(16):1647–52

The incidence of Candida albicans in the last day of pregnancy and the first days of the new born. Alteras I, et al. **Mycopathologia** 1980 Oct 31;72(2):85–7

Perinatal echovirus infection: risk of transmission during a community outbreak. Modlin JF, et al. **N Engl J Med** 1981 Aug 13;305(7):368–71

Viral hepatitis in the eastern Bay of Plenty. Milne A. **NZ Med J** 1980 Aug 13;92(665):87–91

Rubella outbreak among hospital employees. Strassburg MA, et al. **Obstet Gynecol** 1981 Mar;57(3):283–8

The incidence of selected vaginal infections among pregnant urban blacks. Hoosen AA, et al. **S Afr Med J** 1981 May 30;59(23):827–9

Group B beta-haemolytic streptococcus and perinatal infections [editorial] Zaaijman JD. **S Afr Med J** 1980 Nov 29;58(22):869–71

A rubella epidemic in an unvaccinated pregnant population. I. Screening methods and serological results. Skaug K, et al. **Scand J Infect Dis** 1981;13(1):11–5

Screening for gonorrhea in a prenatal clinic in Southeast Asia. Goh TH, et al. **Sex Transm Dis** 1981 Apr-Jun;8(2):67–9

Falciparum malaria and pregnancy. Bray RS, et al. **Trans R Soc Trop Med Hyg** 1979;73(4):427–31

[Toxoplasmosis surveillance during pregnancy in Austria--results and problems] Flamm H, et al. **Paediatr Grenzgeb** 1981;20(1–2):27–34 (Eng. Abstr.) **(Ger)**

[Incidence of Listeria monocytogenes in pregnant women in the 3d trimester of pregnancy] Figura N, et al. **Ann Sclavo** 1980 May-Jun;22(3):417–22 **(Ita)**

[Clinico-statistical study of toxoplasmosis in pregnancy in Valdarno Aretino] Migliorini A, et al. **Minerva Ginecol** 1981 Apr;33(4):321–4 (Eng. Abstr.) **(Ita)**

[The occurrence of positive serological syphilis reactions in pregnant women in Norway 1964–1978] Skarpaas T, et al. **Tidsskr Nor Laegeforen** 1980 Nov 10;100(31):1840–3 (Eng. Abstr.) **(Nor)**

PARASITOLOGY

The human materno-foetal relationship in malaria: I. Identification of pigment and parasites in the placenta. Galbraith RM, et al. **Trans R Soc Trop Med Hyg** 1980; 74(1):52–60

PATHOLOGY

Studies on the kidneys of pregnant hamsters infected with Leptospira canicola. Williams CS, et al. **Br J Exp Pathol** 1981 Apr;62(2):165–71

Pathology of the placenta and cord in ascending and in haematogenous infection. Blanc WA. **Ciba Found Symp** 1979;(77):17–38

The human materno-foetal relationship in malaria. II. Histological, ultrastructural and immunopathological studies of the placenta. Galbraith RM, et al. **Trans R Soc Trop Med Hyg** 1980;74(1):61–72

[Herpes gestationis. A histological and electron microscopic study (author's transl)] Kint A, et al. **Ann Dermatol Venereol** 1980;107(12):1133–42 (23 ref.) (Eng. Abstr.) **(Fre)**

[Listeria infection of a twin pregnancy (author's transl)] Guillermin R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1979;8(8):737–8 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

The significance of symptomatic and asymptomatic infections in pregnancy. Brumfitt W. **Contrib Nephrol** 1981;25:23–9

[Effect of nonspecific infections during pregnancy on intrauterine fetal development] Dziambor H, et al.

Akush Ginekol (Sofiia) 1980;19(5–6):471–3 **(Bul)**
[Herpes gestationis and prolactin] Bazex J, et al. **Ann Dermatol Venereol** 1981;108(2):173–4 **(Fre)**
[Herpes gestationis (author's transl)] Pehamberger H, et al. **Z Geburtshilfe Perinatol** 1980 Apr;184(2):133–41 (Eng. Abstr.) **(Ger)**
[Toxoplasmosis and pregnancy. A review] Torella M, et al. **Arch Ostet Ginecol** 1979 Aug–Dec;84(5–6):223–33 (Eng. Abstr.) **(Ita)**

PREVENTION & CONTROL

Optimum use of rubella immunization. Mayer TR. **Am Fam Physician** 1981 Jan;23(1):143–5
The effect of malarial chemoprophylaxis on immunoglobulin levels of pregnant Nigerian women and the newborn. Ibeziako PA, et al. **Br J Obstet Gynaecol** 1980 Nov; 87(11):976–82
Fetomaternal apects of immunization with RA27/3 live attenuated rubella virus vaccine during pregnancy. Bernstein DI, et al. **J Pediatr** 1980 Sep;97(3):467–70
Fetal perspective of rubella vaccine efficacy and safety [editorial] Fox JP. **JAMA** 1981 Sep 25;246(13):1444–5
Fetal risk associated with rubella vaccine. Preblud SR, et al. **JAMA** 1981 Sep 25;246(13):1413–7
[Management of suspected rubella infection in pregnancy and the prevention of rubella by the gynecologist] Ortner A, et al. **Gynaekol Rundsch** 1980 Jun;20 Suppl 2:227–9 **(Ger)**
[Immunoleukolysis test results in women immunized with staphylococcal toxoid] Varenko IuS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Oct;(10):93–6 (Eng. Abstr.) **(Rus)**

THERAPY

Plasma exchange in herpes gestationis. Van de Wiel A, et al. **Br Med J** 1980 Oct 18;281(6247):1041–2
[Artificial interruption of pregnancy after a course of treatment for gonorrhea] Zherebtsov VP. **Akush Ginekol (Mosk)** 1981 Mar;(3):57–8 **(Rus)**

TRANSMISSION

The influence of intrauterine infection on the brain of rabbit foetus. Dambska M, et al. **Acta Med Pol** 1980;21(3):241–51
Recurring laryngeal papillopa. Cohn AM, et al. **Am J Otolaryngol** 1981 May;2(2):129–32
Transplacental infection and embryonic death following maternal exposure to porcine parvovirus near the time of conception. Mengeling WL, et al. **Arch Virol** 1980; 65(1):55–62
Biology of Toxoplasma gondii, its survival in body tissues and liquids, risks for the pregnant woman. Zardi O, et al. **Biochem Exp Biol** 1979;15(4):355–60
Vertical transmission of hepatitis–B. Khatri JV, et al. **Indian Pediatr** 1980 Dec;17(12):957–62
Rubella exposure in an obstetric clinic. Gladstone JL, et al. **Obstet Gynecol** 1981 Feb;57(2):182–6
Experimental transplacental transmission of hog cholera virus in pigs. II. Immunopathological findings in the fetus. Richter–Reichhelm HB, et al. **Zentralbl Veterinaermed [B]** 1980;27(3):243–52
[Vertical transmission of type B hepatitis (author's transl)] Cocchi P, et al. **Ann Sclavo** 1980 Jul–Aug;22(4):654–72 (47 ref.) **(Ita)**
[Perinatal infections] Hofman H, et al. **Pediatr Pol** 1980; 55(10):1173–80 **(Pol)**

VETERINARY

Plasma progesterone concentration in the bovine before abortion or parturition in pregnant animals exposed to Sarcocystis cruzi, Campylobacter fetus, or Aspergillus fumigatus. Baetz AL, et al. **Am J Vet Res** 1980 Nov; 41(11):1767–8
Prepartum changes of plasma concentrations of prostaglandin F and 13,14–dihydro–15–ketoprostaglandin metabolites in pregnant animals exposed to Sarcocystis cruzi or Campylobacter fetus. Baetz AL, et al. **Am J Vet Res** 1981 Jan;42(1):22–4
Atypical hog cholera infection: viral isolation and clinical study of in utero transmission. Plateau E, et al. **Am J Vet Res** 1980 Dec;41(12):2012–5
Histopathologic evaluation of livers of pregnant hamsters infected with Leptospira canicola. Sapp WJ, et al. **Am J Vet Res** 1980 Aug;41(8):1288–92
Congenital tremor in pigs farrowed from sows given hog cholera virus during pregnancy. Vannier P, et al. **Am J Vet Res** 1981 Jan;42(1):135–7
Clinical evaluation of immunity following experimental or natural infection of ewes with Chlamydia psittaci (var. ovis). Rodolakis A, et al. **Ann Rech Vet** 1980;11(2):215–23
Vaccination of pregnant cows with low doses of Brucella abortus strain 19 vaccine. Alton GG, et al. **Aust Vet J** 1980 Aug;56(8):369–72
Accidental introduction of porcine parvovirus and Talfan virus into a group of minimal disease gilts and their effects on reproduction. Parker BN, et al. **Br Vet J** 1981 May–Jun; 137(3):262–7
Pathogenicity for the sheep foetus of bovine virus diarrhoea–mucosal disease virus of bovine origin. Terlecki S, et al. **Br Vet J** 1980 Nov–Dec;136(6):602–11
Response of pregnant mares to equine herpesvirus 1 (EHV1). Gleeson LJ, et al. **Cornell Vet** 1980 Oct;70(4):391–400
Wesselsbron disease: a cause of congenital porencephaly and cerebellar hypoplasia in calves. Coetzer JA, et al. **Onderstepoort J Vet Res** 1979 Sep;46(3):165–9
Lesions resulting from inoculation of porcine foetuses with porcine parvovirus. Prozesky L, et al. **Onderstepoort J Vet Res** 1980 Dec;47(4):269–74
Foal abortion associated with Mycobacterium terrae infection. Tasler GR, et al. **Vet Pathol** 1981 Jan;18(1):122–5
Salmonella dublin infection in self contained dairy herds in East Anglia: excretion at calving. Counter DE, et al. **Vet Rec** 1980 Aug 30;107(9):191–3
Bovine virus diarrhoea–mucosal disease virus: pathogenicity for the fetal calf following maternal infection. Done JT, et al. **Vet Rec** 1980 Jun 7;106(23):473–9
Fetal growth arrest associated with summer mastitis [letter] Richardson C, et al. **Vet Rec** 1980 Jun 28;106(26):565
Experimental transplacental transmission of hog cholera virus in pigs. I. Virological and serological studies. Frey HR, et al. **Zentralbl Veterinaermed [B]** 1980;27(2):154–64
[Escherichia coli R live vaccine Suicolplex 'Dessau'] Michael–Meese M, et al. **Arch Exp Veterinaermed** 1980; 34(1):109–14 (Eng. Abstr.) **(Ger)**
[Relations between egg–excretion of gastrointestinal strongylides and the condition of brood–sows (author's transl)] Pfeiffer A. **DTW** 1980 Dec 5;87(12):475–7 (Eng. Abstr.) **(Ger)**

PREGNANCY, ECTOPIC

BLOOD

[SP–1 and beta–HCG in suspected ectopic pregnancy (author's transl)] Tatra G, et al. **Geburtshilfe Fraunheilkd** 1981 May;41(5):359–61 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Fertility and ectopic pregnancy. Hughes GJ. **Eur J Obstet Gynaecol Reprod Biol** 1980 Jul;10(6):361–5
Unilateral twin interstitial ectopic pregnancy. A case report. Starks GC. **J Reprod Med** 1980 Aug;25(2):79–82
[A case of uterine rupture due to interstitial pregnancy of 22 weeks duration (author's transl)] Meyer S, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(3):235–40 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Diagnostic ultrasound in threatened abortion and suspected ectopic pregnancy. Jörgensen C, et al. **Acta Obstet Gynecol Scand** 1980;59(3):233–5
The pseudogestational sac in ectopic pregnancy. Weiner CP. **Am J Obstet Gynecol** 1981 Apr 15;139(8):959–61
Cervical ectopic pregnancy—case report. Giorgio B, et al. **Aust NZ J Obstet Gynaecol** 1980 Aug;20(3):164–7
A review of ectopic pregnancies in Southern Tasmania. Marsden DE, et al. **Aust NZ J Obstet Gynaecol** 1980 Nov; 20(4):214–8
Problems in the diagnosis of ectopic pregnancy. O'Neil AG. **Aust NZ J Obstet Gynaecol** 1980 Nov;20(4):219–21
The ultrasonic diagnosis of cervical ectopic pregnancy. Pridmore BR, et al. **Aust NZ J Obstet Gynaecol** 1980 Aug; 20(3):162–3
Ectopic pregnancy. Verco PW, et al. **Australas Radiol** 1981 Mar;25(1):68–75
The use of ultrasonography in the diagnosis of ectopic pregnancy. Piiroinen O, et al. **Clin Radiol** 1981 May; 32(3):331–5
Ectopic pregnancy. A prospective study on differential diagnosis. Gonzalez FA, et al. **Diagn Gynecol Obstet** 1981 Summer;3(2):101–9
Frozen section examination of endometrial curettings. An aid to the rapid diagnosis of ectopic pregnancy. Gordon PR. **Diagn Gynecol Obstet** 1980 Spring;2(1):77–80
Diagnosis of ectopic pregnancy. Sandvei R. **Diagn Gynecol Obstet** 1981 Spring;3(1):15–8
Ectopic pregnancy: diagnostic dilemma and delay. Hazekamp JT. **Int J Gynaecol Obstet** 1980 May–Jun;17(6):598–600
A study of 45 cases of ectopic pregnancy. Jabbar FA, et al. **Int J Gynaecol Obstet** 1980;18(3):214–7
Combined intra– and extrauterine pregnancy: a diagnostic challenge [letter] Koroly MV, et al. **J Reprod Med** 1981 May;26(5):54–5
Ultrasonography before abortion? [letter] Crittenden JJ. **JAMA** 1981 Sep 4;246(10):1088–9
Diagnosis of ectopic pregnancy [letter] Friedman AS. **JAMA** 1980 Sep 19;244(12):1319
Pseudogestational sac in ectopic pregnancy: sonographic and pathologic correlation. Spirt BA, et al. **JCU** 1981 Jul–Aug; 9(6):338–40
HCG assays and ectopic pregnancy [letter] Kadar N, et al. **Lancet** 1981 May 30;1(8231):1205–6
Sensitivity of serum–chorionic gonadotrophin assay for ectopic pregnancy [letter] Lindstedt G, et al. **Lancet** 1981 Apr 4;1(8223):781–2
A method of screening for ectopic pregnancy and its indications. Kadar N, et al. **Obstet Gynecol** 1981 Aug; 58(2):162–6
Discriminatory hCG zone: its use in the sonographic evaluation for ectopic pregnancy. Kadar N, et al. **Obstet Gynecol** 1981 Aug;58(2):156–61
Sonographic patterns of ectopic pregnancy – how do they help in making the diagnosis? Hill MC, et al. **Rev Interam Radiol** 1980 Jul;5(3):87–92
beta 1–glycoprotein (SP–1) in maternal serum as a diagnostic aid in ectopic pregnancy. Eiermann W, et al. **Ric Clin Lab** 1980 Jan–Mar;10(1):229–31
Use of the radioreceptor assay for human chorionic gonadotropin in the diagnosis of ectopic pregnancy. Pelosi MA. **Surg Gynecol Obstet** 1981 Feb;152(2):149–52
A fifteen year experience with ectopic pregnancy. Tancer ML, et al. **Surg Gynecol Obstet** 1981 Feb;152(2):179–82
[The Kleihauer–Bekte test in cases of suspected ectopic pregnancy] Faber BL, et al. **S Afr Med J** 1981 May 9; 59(20):715–6 (Eng. Abstr.) **(Afr)**
[Ultrasonic diagnosis of extrauterine pregnancy] Piiroinen O, et al. **Duodecim** 1980;96(7):551–8 (Eng. Abstr.) **(Fin)**
[The advantages and disadvantages of ultrasound scanning in the diagnosis of ectopic pregnancies (author's transl)] Elhaik S, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1979; 8(8):689–95 (Eng. Abstr.) **(Fre)**
[Semeiologic study of 50 ultrasonographied ectopic pregnancies (author's transl)] Herbeau D. **J Radiol** 1981 Apr;62(4):239–45 (Eng. Abstr.) **(Fre)**
[Bilateral extrauterine pregnancy. A case of super–fetation? (letter)] Tabaste JL, et al. **Nouv Presse Med** 1981 Apr 11; 10(16):133–4 **(Fre)**
[A case of primary ovarian pregnancy with as intra–uterine device in–situ (author's transl)] Esmer A, et al. **Geburtshilfe Frauenheilkd** 1980 May;40(5):456–7 (Eng. Abstr.) **(Ger)**
[Ultrasonic diagnosis in cervical pregnancy (author's transl)] Bernaschek G, et al. **Geburtshilfe Fraunheilkd** 1981 Jul; 41(7):509–11 (Eng. Abstr.) **(Ger)**
[Advanced ectopic pregnancy including combined ectopic and intra–uterine pregnancy (author's transl)] Meinert J. **Geburtshilfe Fraunheilkd** 1981 Jul;41(7):490–5 (Eng. Abstr.) **(Ger)**
[The importance of curettage histology for the diagnosis of extrauterine pregnancy] Juchli P, et al. **Gynaekol Rundsch** 1980 Jun;20 Suppl 1:134–5 **(Ger)**
[Full–term cervical gravidity – case report and literature review (author's transl)] Bernaschek G, et al. **Zentralbl Gynaekol** 1981;103(9):520–4 (Eng. Abstr.) **(Ger)**
[Diagnosis and clinical course of extra–uterine gravidity. Catamnestic survey of patients of gynaecological hospital of Jena University (author's transl)] Butters G, et al. **Zentralbl Gynaekol** 1980;102(12):672–9 (Eng. Abstr.) **(Ger)**
[Ultrasonic evaluation of ovular viability in threatened abortion] Santi F, et al. **Riv Ital Ginecol** 1977 Sep–Oct; 58(5):401–8 (Eng. Abstr.) **(Ita)**
[Ectopic pregnancy. I. Review of diagnostic methods] Cachro A. **Ginekol Pol** 1981;52(3):277–81 (34 ref.) (Eng. Abstr.) **(Pol)**
[Diagnosis of cervical pregnancy by means of ultrasonics] Czajkowski Z, et al. **Ginekol Pol** 1980 Jul;51(7):599–604 (Eng. Abstr.) **(Pol)**
[Cervical pregnancy] Kokoszka J, et al. **Pol Tyg Lek** 1980 Jun 30;35(26):987–90 (Eng. Abstr.) **(Pol)**
[Cervical pregnancy] Lotocki W, et al. **Wiad Lek** 1980 Sep 1;33(17):1417–20 (Eng. Abstr.) **(Pol)**
[Differential diagnosis between extrauterine pregnancy and food toxin infections (salmonellosis)] Starostina TA, et al. **Akush Ginekol (Mosk)** 1981 Feb;(2):45–7 **(Rus)**
[Ultrasonic potentials in the diagnosis of extrauterine pregnancy] Zykin BI, et al. **Akush Ginekol (Mosk)** 1981 Mar;(3):54–5 **(Rus)**
[Diagnostic difficulties in recurrent extrauterine pregnancy] Baskakov VP, et al. **Vestn Khir** 1981 Mar;126(3):137–41 **(Rus)**
[Primary ovarian pregnancy. Case report] Marković M. **Srp Arh Celok Lek** 1980 Mar;108(3):273–5 **(Scc)**
[Cervical pregnancy. 2 case reports] Dević P, et al. **Med Pregl** 1980;33(3–4):129–32 (Eng. Abstr.) **(Scr)**

DRUG THERAPY

[Experimental study of combined traditional Chinese and western medicine treatment for ectopic pregnancy (author's transl)] **Chung Hua Fu Chan Ko Tsa Chih** 1979;14(4):279–82 **(Chi)**

ETIOLOGY

Ovarian pregnancy in IUD–users. Kjer JJ, et al. **Acta Obstet Gynecol Scand** 1981;60(3):337–9
Ectopic pregnancy and IUDs; incidence, risk rate and predisposing factors. Meirik O, et al. **Acta Obstet Gynecol Scand** 1980;59(5):425–7
Recanalization and fistulization of the fallopian tubes are thought to be the causes of pregnancies following female sterilization [letter] McCausland AM. **Am J Obstet Gynecol** 1981 Jan;139(1):114–5
Primary ovarian pregnancy and the intrauterine contraceptive device. Aleem FA, et al. **Arch Pathol Lab Med** 1981 Feb;105(2):112–4
Ectopic pregnancy following total hysterectomy. Buchan PC. **Br J Clin Pract** 1980 Jul;34(7):227–8
Ectopic pregnancies associated with low dose progestagen–releasing IUDs. Díaz S, et al. **Contraception** 1980 Sep;22(3):259–69
Ovarian pregnancy and IUD. David MP, et al.

Eur J Obstet Gynaecol Reprod Biol 1980 Dec;11(3):173–8

Fatal ectopic pregnancy after attempted legally induced abortion. Rubin GL, et al. **JAMA** 1980 Oct 10; 244(15):1705–8

Ectopic pregnancy after correct application of Hulka–Clemens clips [letter] O'Neill G, et al. **Med J Aust** 1980 Nov 15;2(10):573

Ectopic pregnancy and intrauterine contraceptive devices: new perspectives. The Women's Health Study. Ory HW. **Obstet Gynecol** 1981 Feb;57(2):137–44

[Extrauterine pregnancies in patients with intrauterine devices (apropos of 9 cases)] Monnier JC, et al. **Lille Med** 1980 Oct;25(8):418–21 (Eng. Abstr.) **(Fre)**

[Primary omental pregnancy associated with an intrauterine device] de Vries K, et al. **Harefuah** 1980 Oct 15; 99(8):219–20 (Eng. Abstr.) **(Heb)**

[Causes for the acute and chronic course of extrauterine pregnancy] Glukhovets VI. **Sov Med** 1981;(5):112–4 **(Rus)**

IMMUNOLOGY

Rh immunoglobulin utilization after ectopic pregnancy. Grimes DA, et al. **Am J Obstet Gynecol** 1981 Jun 1; 140(3):246–9

METABOLISM

Suppression of concentration of endometrial prostaglandin in early intra–uterine and ectopic pregnancy in women. Abel MH, et al. **J Endocrinol** 1980 Jun;85(3):379–86

OCCURRENCE

Ectopic pregnancy and tubal ligation [letter] Wright NH, et al. **Am J Obstet Gynecol** 1981 Mar 1;139(5):611–2

Unanswered questions on ectopic pregnancy [editorial] **Br Med J** 1980 May 3;280(6223):1127–8

Unanswered questions on ectopic pregnancy [letter] Jonas EG. **Br Med J** 1980 Jul 19;281(6234):228

Incidence, trends, and risks of ectopic pregnancy in a population of women. Weström L, et al. **Br Med J [Clin Res]** 1981 Jan 3;282(6257):15–8

Ectopic pregnancy: outcome of 152 cases. Michelas S, et al. **Int Surg** 1980 Jul–Aug;65(4):355–8

[Recurrent ectopic pregnancy] Kably Ambe A, et al. **Ginecol Obstet Mex** 1980 Aug;48(286):95–101 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Freeze microscopy of the endometrium in ectopic pregnancy. Legarth J, et al. **Acta Obstet Gynecol Scand** 1980; 59(6):505–8

Ovarian pregnancy: a morphologic description. Exalto N, et al. **Eur J Obstet Gynaecol Reprod Biol** 1980 Dec; 11(3):179–87

The histopathology of the developing tubal ectopic pregnancy. Budowick M, et al. **Fertil Steril** 1980 Aug; 34(2):169–71

[Intramural gravidity – case report and account of literature (author's transl)] Bernaschek G, et al. **Zentralbl Gynaekol** 1980;102(22):1294–300 (Eng. Abstr.) **(Ger)**

[Arias–Stella reaction of endometrial glands in pregnancy] Janjić M, et al. **Srp Arh Celok Lek** 1980 Feb;108(2):149–54 (Eng. Abstr.) **(Scc)**

PHYSIOPATHOLOGY

Complete abortion of early ectopic pregnancy. Ohel G, et al. **Int J Gynaecol Obstet** 1980 May–Jun;17(6):596–7

SURGERY

Cervical pregnancy managed by local excision. Farghaly SA, et al. **Postgrad Med J** 1980 Nov;56(661):789

[Cervical pregnancy] Bjelke C, et al. **Tidsskr Nor Laegeforen** 1981 May;101(15):939–40 (Eng. Abstr.) **(Nor)**

VETERINARY

Ectopic pregnancy in a cow [letter] Botcherby WC. **Vet Rec** 1980 Jun 28;106(26):565–6

PREGNANCY, FIRST TRIMESTER see **PREGNANCY TRIMESTER, FIRST**

PREGNANCY IN ADOLESCENCE

Teenage pregnancy: an anthropological, sociological, and psychological overview. Fisher SM, et al. **Adolesc Psychiatry** 1980;8:393–403

Studies of infants at risk and their adolescent mothers. Salguero C, et al. **Adolesc Psychiatry** 1980;8:404–21

Outreach education: a possible preventer of teenage pregnancy. Block RW, et al. **Adolescence** 1980 Fall; 15(59):657–60

A comparison of unwed pregnant teenagers and nulligravid sexually active adolescents seeking contraception. DeAmicis LA, et al. **Adolescence** 1981 Spring;16(61):11–20

Folacin and iron status in low–income pregnant adolescents and mature women. Bailey LB, et al. **Am J Clin Nutr** 1980 Sep;33(9):1997–2001

Assessment of nutritional status in pregnancy––II. Beal VA. **Am J Clin Nutr** 1981 Apr;34(Suppl 4):691–6

Adolescent pregnancy: a new look at a continuing problem. Klerman LV. **Am J Public Health** 1980 Aug;70(8):776–8

The biological advantages and social disadvantages of teenage pregnancy. Morris NM. **Am J Public Health** 1981 Aug;71(8):796

The obstetric outcome of teenage pregnancy. Osbourne GK, et al. **Br J Obstet Gynaecol** 1981 Mar;88(3):215–21

Pregnancy among teenagers [editorial] Sacks D. **Can Med Assoc J** 1981 Apr 15;124(8):959–60

Keep or adopt: a study of factors influencing pregnant adolescents' plans for their babies. Leynes C. **Child Psychiatry Hum Dev** 1980 Winter;11(2):105–12

Vivamos! A summer program for teenage parents. Lende E, et al. **Child Today** 1980 Sep–Oct;9(5):9–12

Teenage childbearing and abortion patterns––United States, 1977. **Clin Pediatr (Phila)** 1980 Dec;19(12):831–2

Teenage pregnancy in perspective. Blum RW, et al. **Clin Pediatr (Phila)** 1981 May;20(5):335–40

Abortion 1981: the search for perspective [editorial] Healey JM. **Conn Med** 1981 Jul;45(7):467

The impact of family planning clinic programs on adolescent pregnancy. Forrest JD, et al. **Fam Plann Perspect** 1981 May–Jun;13(3):109–16

Telling parents: clinic policies and adolescents' use of family planning and abortion services. Torres A, et al. **Fam Plann Perspect** 1980 Nov–Dec;12(6):284–92

The impact of early use of prescription contraceptives on reducing premarital teenage pregnancies. Zabin LS. **Fam Plann Perspect** 1981 Mar–Apr;13(2):72–4

Sexual activity, contraceptive use and pregnancy among metropolitan–area teenagers: 1971–1979. Zelnik M, et al. **Fam Plann Perspect** 1980 Sep–Oct;12(5):230–1, 233–7

Managing teenage pregnancies: success and failure in two U.S. communities. Allen JE, et al. **Health Care Manage Rev** 1980 Spring;5(2):85–93

Role of communication in the prevention of teenage pregnancy. Schinke SP, et al. **Health Soc Work** 1980 Aug; 5(3):54–9

Teenage motherhood––associated factors and consequences––the experiences of a British birth cohort. Kiernan KE. **J Biosoc Sci** 1980 Oct;12(4):393–405

Understanding teenage pregnancy: a focused family interview. Poliner JR, et al. **J Fam Pract** 1980 Aug; 11(2):309–15

Reproductive counselling for adolescent females with phenylketonuria. Tice KS, et al. **J Inherited Metab Dis** 1980;3(3):105–7

Adolescent pregnancy and nutrition. Carruth BR. **J Med Soc NJ** 1981 Mar;78(3):217–8

The juvénile parturient. Clark JF. **J Natl Med Assoc** 1980 Sep;72(9):885–6

Impact of a parent education program on the personal development of teen–age mothers. Badger E, et al. **J Pediatr Psychol** 1980 Dec;5(4):415–22

Contraception and adolescent pregnancy. Burbach CA. **JOGN Nurs** 1980 Sep–Oct;9(5):319–23

A systems approach to adolescent pregnancy. Panzarine S, et al. **JOGN Nurs** 1981 Jul–Aug;10(4):287–9

Teenage pregnancy [letter] **N Engl J Med** 1981 Jan 8; 304(2):121–2

Consequences of teenage pregnancy. Gray J, et al. **Nebr Med J** 1980 Nov;65(11):299–301

Adolescent pregnancy and nutrition. Carruth BR. **NY State J Med** 1981 Jul;81(8):1288–9

Precocious motherhood. Huffman JW. **Pediatr Ann** 1981 May;10(5):9–15

Teenaged and pre–teenaged pregnancies: consequences of the fetal–maternal competition for nutrients. Naeye RL. **Pediatrics** 1981 Jan;67(1):146–50

The use of socioeconomic data to predict teenage birth rates. An exploratory study in Massachusetts. Perlman SB, et al. **Public Health Rep** 1981 Jul–Aug;96(4):335–41

Adolescent pregnancy. Dawson P, et al. **Public Health Rev** 1979 Oct–Dec;8(4):365–90 (82 ref.)

Adolescent pregnancy and childbearing –– an overview. Baldwin W. **Semin Perinatol** 1981 Jan;5(1):1–8

Adolescent age and obstetric risk. Carey WB, et al. **Semin Perinatol** 1981 Jan;5(1):9–17

Psychosocial risk to mother and child as a consequence of adolescent pregnancy. Friedman SB, et al. **Semin Perinatol** 1981 Jan;5(1):33–7

Alternatives to adolescent pregnancy: a discussion of the contraceptive literature from 1960 to 1980. Greydanus DE. **Semin Perinatol** 1981 Jan;5(1):53–90 (624 ref.)

Adolescent pregnancy and childbearing: what we have learned in a decade and what remains to be learned. McAnarney ER, et al. **Semin Perinatol** 1981 Jan;5(1):91–103

Teenage pregnancy in Texas. Holck SE, et al. **Tex Med** 1980 Sep;76(9):56–60

Malnutrition among babies born to adolescent mothers. Bailey W. **West Indian Med J** 1981 Jun;30(2):72–6

[Adolescent pregnancy (author's transl)] Berardi JC, et al. **Arch Fr Pediatr** 1980;37 Suppl 1:XXI–XXIV (Eng. Abstr.) **(Fre)**

[Pregnancy in adolescence] Des Rosiers–Lampe M, et al. **Union Med Can** 1981 Mar;110(3):190–5 (Eng. Abstr.) **(Fre)**

[Pregnancy in adolescents] Schmid–Tannwald I. **Dtsch Med Wochenschr** 1981 Jun 5;106(23):731–3 **(Ger)**

[Can parents of a daughter under legal age oppose pregnancy interruption?] Schlund GH. **Geburtshilfe Frauenheilkd** 1980 Sep;40(9):834–5 **(Ger)**

[Pregnancy and delivery in 12 to 15 year–old girls (author's transl)] Spernol R, et al. **Wien Klin Wochenschr** 1981 May 29;93(11):348–51 (Eng. Abstr.) **(Ger)**

[Contraception with d–norgestrel] Borsos A, et al. **Orv Hetil** 1980 Jun 22;121(25):1495–8 **(Hun)**

[Adolescent pregnancy (author's transl)] Mansani FE, et al. **Ateneo Parmense [Acta Biomed]** 1980;51(4):365–9 **(Ita)**

[Pregnancy in adolescence in Japan: report of a committee on Obstetrical, Gynecological Pediatric and Adolescent Problems] **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Oct; 32(10):1733–42 **(Jpn)**

[Health needs of adolescent girls in the area of reproductive behavior] Husar M, et al. **Jugosl Ginekol Opstet** 1980 May–Aug;19(3–4):131–8 (Eng. Abstr.) **(Scr)**

[Pregnancy in children and adolescents (author's transl)] Soltés L, et al. **Bratisl Lek Listy** 1981 Feb;75(2):196–201 (Eng. Abstr.) **(Slo)**

[Pregnancy in adolescence] Herrera Lasso F, et al. **Ginecol Obstet Mex** 1980 Jul;48(285):59–68 (Eng. Abstr.) **(Spa)**

PREGNANCY IN DIABETES

Proceedings of 3rd Nordic Symposium on Diabetes. Diabetes and pregnancy, late complications of diabetes, home monitoring of blood glucose, Aalborg Regional Hospital, Denmark, October 25–27, 1979. **Acta Endocrinol [Suppl] (Copenh)** 1980;Suppl 238:1–160

Deciduous tooth dimensions in fetal rhesus monkeys from mothers with induced diabetes. Bennett KA, et al. **Am J Phys Anthropol** 1981 Jul;55(3):411–7

Follow–up of children of diabetic mothers. Cummins M, et al. **Arch Dis Child** 1980 Apr;55(4):259–64

Hypertrophic cardiomyopathy in infants of poorly–controlled diabetic mothers. Halliday HL. **Arch Dis Child** 1981 Apr;56(4):258–63

Septo–optic dysplasia in an infant of a diabetic mother. Donat JF. **Arch Neurol** 1981 Sep;38(9):590–1

Diabetes in pregnancy. **Clin Obstet Gynecol** 1981 Mar; 24(1):1–162

Determination of fetal maturity in diabetic pregnancy. Cunningham MD. **Clin Obstet Gynecol** 1981 Mar; 24(1):73–89 (50 ref.)

Diabetic vascular disease complicating pregnancy. Kitzmiller JL, et al. **Clin Obstet Gynecol** 1981 Mar;24(1):107–23 (60 ref.)

Intrapartum management of the diabetic patient. Cohen AW, et al. **Clin Perinatol** 1981 Feb;8(1):165–72

Changes of glycogen in subcutaneous adipose tissue and energy metabolism in adaptation period of newborns of normal and diabetic mothers. Přibylová H, et al. **Czech Med** 1980;3(4):289–94

Cord blood C–peptide:glucose ratio – a good indicator of B cell function in infants of diabetic mothers. Burke BJ, et al. **Diabetologia** 1981 Apr;20(4):511

A fetus with upper limb amelia, 'caudal regression' and Dandy–Walker defect with an insulin–dependent diabetic mother. Bruyere HJ Jr, et al. **Eur J Pediatr** 1980 Aug; 134(2):139–43

Umbilical vein thrombosis and maternal diabetes mellitus. Fritz MA, et al. **J Reprod Med** 1981 Jun;26(6):320–4

Occurrence and prognostic significance of retinopathy in diabetic pregnancy. Laatikainen L, et al. **Metab Pediatr Ophthalmol** 1980;4(4):191–5

Pregnancy and diabetes [letter] Gabbe SG. **Obstet Gynecol** 1981 Aug;58(2):262

Lung maturation in fetuses of diabetic rats. Tydén O, et al. **Pediatr Res** 1980 Nov;14(11):1192–5

Hyperbilirubinemia in infants of diabetic mothers. Peevy KJ, et al. **Pediatrics** 1980 Sep;66(3):417–9

Pregnancy in insulin–dependent diabetics. A 5 1/2–year study at Groote Schuur Hospital. Coetzee EJ, et al. **S Afr Med J** 1981 Aug 15;60(7):275–8

Effects of maternal diabetes on early embryogenesis: II. Hyperglycemia–induced exencephaly. Sadler TW. **Teratology** 1980 Jun;21(3):349–56

[Pregnancy complicated with diabetes and perinatal mortality (author's transl)] Xiao WW. **Chung Hua Fu Chan Ko Tsa Chih** 1979;14(4):298–302 **(Chi)**

[Infusion of glucose and galactose in newborns of diabetic and nondiabetic mothers and the effect on metabolism and insulin levels] Přibylová H, et al. **Cesk Pediatr** 1980 Dec; 35(12):649–51 (Eng. Abstr.) **(Cze)**

[Diabetes insipidus in pregnancy. 1 case (letter)] Pichereau D, et al. **Nouv Presse Med** 1979 Feb 3;8(6):443 **(Fre)**

[Diabetes mellitus and pregnancy] Dittmar FW. **Med Klin** 1980 Oct 24;75(22):784–6 **(Ger)**

[Semi–automatic determination of blood lactate in the newborn infant of the insulin–dependent diabetic mother] Angeloni D, et al. **Ann Osp Maria Vittoria Torino** 1979 Jan–Jun;22(1–6):56–71 (Eng. Abstr.) **(Ita)**

[Effect of removal of the hypothalamus and pituitary gland from rat fetuses on the development of pancreatic B–cell function] Sapronova AIa, et al. **Ontogenez** 1981;12(2):172–6 (Eng. Abstr.) **(Rus)**

BLOOD

Hemoglobin A1c as an indicator of long term blood glucose levels in diabetics with special reference to diabetic pregnancy. Kjaergaard JJ, et al.

Acta Endocrinol [Suppl] (Copenh) 1980;Suppl 238:25–9
Minor (glycosylated) hemoglobins in cord blood of infants of normal and diabetic mothers. Fadel HE, et al. **Am J Obstet Gynecol** 1981 Feb 15;139(4):397–402
Fetal macrosomia in experimental maternal diabetes. Kim YS, et al. **Am J Obstet Gynecol** 1981 Jan;139(1):27–32
Maternal and fetal adrenocortical function in the diabetic rabbit. Guleff PS, et al. **Am J Physiol** 1981 Mar; 240(3):E217–25
Immunochemical investigations on the problem of the pregnancy zone protein. XII. Serum concentrations of pregnancy-associated alpha-2-glycoprotein in diabetic pregnancy. Straube W, et al. **Arch Gynecol** 1980; 229(4):271–8
Insulin-induced hypoglycaemia in diabetic women during late pregnancy and one year post partum. Stangenberg M, et al. **Br J Obstet Gynaecol** 1981 Jun;88(6):619–27
Metabolic and circulatory effects of oral salbutamol in the third trimester of pregnancy in diabetic and non-diabetic women. Wager J, et al. **Br J Obstet Gynaecol** 1981 Apr; 88(4):352–61
Monitoring blood glucose [letter] Knight AH. **Br Med J** 1980 Jan 26;280(6209):253
Role of the glycohemoglobins (hemoglobin A1) in the evaluation and management of the diabetic pregnancy. O'Shaughnessy R. **Clin Obstet Gynecol** 1981 Mar; 24(1):65–71 (18 ref.)
Gastrointestinal insulinotropic hormones in normal and gestational-diabetic pregnancy: response to oral glucose. Hornnes PJ, et al. **Diabetes** 1981 Jun;30(6):504–9
Influence of pregnancy on plasma glucagon levels in IDD women [letter] Fallucca F, et al. **Diabetes Care** 1980 Jan–Feb;3(1):202–3
Management of the pregnant, insulin-dependent diabetic woman. Jovanovic L, et al. **Diabetes Care** 1980 Jan–Feb; 3(1):63–8
Self-montoring of blood glucose during pregnancy in women with juvenile Diabeters. Karp M, et al. **Diabetes Care** 1980 Jan–Feb;3(1):175–7
Pregnancy complicating ambulatory patient management of diabetes. Schneider JM, et al. **Diabetes Care** 1980 Jan–Feb; 3(1):77–81
Blood glucose control during pregnancy. Skyler JS, et al. **Diabetes Care** 1980 Jan–Feb;3(1):69–76
Plasma noradrenaline in infants of diabetic mothers [letter] Hertel J, et al. **Diabetologia** 1980 Nov;19(5):484
Normalization of blood glucose in pregnant diabetics with the maximal tolerated dose (M.T.D.) of insulin. Roversi GD, et al. **J Perinat Med** 1980;8(4):195–202
Diminishing hazards of diabetic pregnancies [news] Check WA. **JAMA** 1980 Sep 19;244(12):1301–2, 1307
Pregnant thoughts about metabolic control and diabetes [editorial] Freinkel N. **N Engl J Med** 1981 May 28; 304(22):1357–9
Elevated maternal hemoglobin A1c in early pregnancy and major congenital anomalies in infants of diabetic mothers. Miller E, et al. **N Engl J Med** 1981 May 28;304(22):1331–4
Glycohemoglobin determinations in normal pregnancy and in insulin-dependent diabetics. Vintzileos AM, et al. **Obstet Gynecol** 1980 Oct;56(4):435–9
Glycosylated hemoglobin in diabetic and nondiabetic pregnancies. McFarland KF, et al. **South Med J** 1981 Apr; 74(4):410–2
Effects of maternal diabetes on early embryogenesis: I. The teratogenic potential of diabetic serum. Sadler TW. **Teratology** 1980 Jun;21(3):339–47
[Hemoglobin AIC in normal pregnant women and in diabetics] Ylinen K, et al. **Duodecim** 1980;96(18):1206–12 (Eng. Abstr.) **(Fin)**
[Hyperglycemia as a risk factor in pregnancy (author's transl)] Niederau CM, et al. **Z Geburtshife Perinatol** 1981 Jun;185(3):137–40 (Eng. Abstr.) **(Ger)**
[Glycosylated hemoglobin (HbA1) in chemical gestational diabetic and diabetic pregnancy (author's transl)] Mansani FE, et al. **Ateneo Parmense [Acta Biomed]** 1980;51 Suppl 1:75–84 **(Ita)**
[Behavior of glycosylated hemoglobins in normal, obese and diabetic pregnant women and their newborn infants] Trossarelli GF, et al. **Minerva Ginecol** 1981 May; 33(5):437–46 (Eng. Abstr.) **(Ita)**
[Blood protein and amino acid spectrum characteristics of mother and fetus in diabetes mellitus] Vtorova VG, et al. **Pediatriia** 1980 Aug;(8):12–5 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Respiratory distress and neonatal mortality in infants of diabetic and prediabetic mothers. Allen RD, et al. **Acta Diabetol Lat** 1981 Apr–Jun;18(2):101–6
Endocrine pathology of infants of diabetic mothers. A quantitative morphological analysis including a comparison with infants of iso-immunized and of non-diabetic mothers. Hultquist GT, et al. **Acta Endocrinol [Suppl] (Copenh)** 1981; 97(241):1–202
Infants of diabetic mothers: radiographic manifestations. Dunn V, et al. **AJR** 1981 Jul;137(1):123–8 (41 ref.)
Pregnancy and diabetic retinopathy. Johnston GP. **Am J Ophthalmol** 1980 Oct;90(4):519–24
Incidence of the respiratory distress syndrome in infants of diabetic mothers—perinatal influences. Bye A, et al. **Aust NZ J Obstet Gynaecol** 1980 May;20(2):99–102
Randomised trial of high doses of stilboestrol and ethisterone in pregnancy: long-term follow-up of mothers. Beral V, et al. **Br Med J** 1980 Oct 25;281(6248):1098–101
Early fetal growth delay detected by ultrasound marks increased risk of congenital malformation in diabetic pregnancy. Pedersen JF, et al. **Br Med J [Clin Res]** 1981 Jul 25;283(6286):269–71
Fetal macrosomia and maternal diabetic control [letter] Scott RD, et al. **Br Med J [Clin Res]** 1981 May 9;282(6275):1547
Fetal macrosomia and maternal diabetic control in pregnancy. Stubbs SM, et al. **Br Med J [Clin Res]** 1981 Feb 7;282(6262):439–40
Teratogenic risk and counseling in diabetes. Dignan PS. **Clin Obstet Gynecol** 1981 Mar;24(1):149–59 (49 ref.)
The infant of the diabetic mother: today and tomorrow. Tsang RC, et al. **Clin Obstet Gynecol** 1981 Mar; 24(1):125–47 (135 ref.)
Glucose disappearance in infants of diabetic mothers. III. Relationship of spontaneous glucose disappearance to glucose tolerance, neonatal hypoglycemia and lowest blood glucose. Hall RT, et al. **Early Hum Dev** 1980 Jun; 4(2):187–94
Teratogenic effects of sucrose diet in diabetic and nondiabetic rats. Ornoy A, et al. **Isr J Med Sci** 1980 Nov;16(11):789–91
Infant of the diabetic mother: review of 225 cases. Lemons JA, et al. **Obstet Gynecol** 1981 Feb;57(2):187–92
[Perinatological sequelae of diabetes] Teramo K, et al. **Duodecim** 1980;96(2):154–62 **(Fin)**
[Chemical diabetes considered as a factor of obstetrical risk] González-Batres G, et al. **Acta Obstet Ginecol Hisp Lusit** 1980 May;28(5):307–12 **(Spa)**

DIAGNOSIS

Insulin response to an intravenous glucose load in potentially diabetic pregnant women. Dones E, et al. **Acta Eur Fertil** 1980 Mar;11(1):99–105 **(Eng, Ita)**
Early insulin response in latent gestational diabetes. Blohmé G, et al. **Acta Med Scand** 1980;208(4):309–14
Detection of gestational diabetes by means of ultrasonic diagnosis of excessive fetal growth. Grandjean H, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 1):790–2
Antenatal screening for diabetes mellitus by random blood glucose sampling. Lind T, et al. **Br J Obstet Gynaecol** 1981 Apr;88(4):346–51
Glycosylated haemoglobin concentrations in mothers of large babies. Steel JM, et al. **Br Med J [Clin Res]** 1981 Apr 25; 282(6273):1357–8
Diagnosis of diabetes in pregnancy. Barden TP, et al. **Clin Obstet Gynecol** 1981 Mar;24(1):3–19 (69 ref.)
[The problem of manifest and latent diabetes in pregnant women] Socias-Gomez M, et al. **Med Welt** 1981 Mar 20; 32(12):385–6 **(Ger)**
[Diagnosis of diabetes mellitus during pregnancy with directions for the treatment of gestational diabetics] Dempe A. **Z Aerztl Fortbild (Jena)** 1979 Oct 1;73(19–20):905–8 **(Ger)**
[Diabetes and Pregnancy (author's transl)] Artner J, et al. **Z Geburtshife Perinatol** 1981 Jun;185(3):125–36 (Eng. Abstr.) **(Ger)**

DIET THERAPY

Nutritional management in diabetes and pregnancy. Franz M. **Diabetes Care** 1978 Jul–Aug;1(4):264–70 (20 ref.)

DRUG THERAPY

DDAVP treatment of diabetes insipidus during pregnancy and the post-partum period. Burrow GN, et al. **Acta Endocrinol (Copenh)** 1981 May;97(1):23–5
Dosage of insulin during delivery and the immediate post-partum period in pregnant diabetics. Hanson U, et al. **Acta Obstet Gynecol Scand** 1981;60(2):183–6
A new approach to the treatment of diabetic pregnant women [letter] Semchyshyn S. **Am J Obstet Gynecol** 1981 Apr 15;139(8):975–9
Fetal rat lung phosphatidylcholine synthesis in diabetic and normal pregnancies: a comparison of prenatal dexamethasone treatments. Tsai MY, et al. **Biochim Biophys Acta** 1981 Apr 23;664(1):174–81
Long-term effects following administration of massive doses of stilboestrol and ethisterone to pregnant diabetics [letter] Lane G, et al. **Br Med J** 1980 Dec 13;281(6255):1638
The use of intravenous low-dose insulin infusion in the intrapartum management of diabetes mellitus. Lim LS, et al. **Singapore Med J** 1981 Apr;22(2):64–7
[Continuous open-circuit administration of insulin and autocontrol of blood glucose in the diabetic pregnant woman (letter)] Bercovici JP, et al. **Nouv Presse Med** 1981 Jul 11–25;10(30):2515–6 **(Fre)**
[Insulin requirements of the diabetic woman during pregnancy, labor, delivery and the puerperium (author's transl)] Miller EC. **Geburtshilfe Fraunheilkd** 1981 May; 41(5):362–5 (Eng. Abstr.) **(Ger)**
[Insulin requirements of diabetics during pregnancy] Weiss PA, et al. **Gynaekol Rundsch** 1980 Jun;20 Suppl 2:242–5 **(Ger)**
[Normoglycemic adjustment in pregnant diabetic women. Prevention of diabetic pregnancy complications and changes in insulin requirements] Asztalos M. **Orv Hetil** 1981 Jan 4;122(1):15–9 **(Hun)**
[Management and outcome of pregnancy in diabetic patients (author's transl)] Hamada T, et al. **Acta Obstet Gynaecol Jpn** 1981 Feb;33(2):309–12 **(Jpn)**

ETIOLOGY

Mesocricetus auratus: a new animal model for studying diabetes mellitus in pregnancy. Connor JS, et al. **Lab Anim Sci** 1981 Feb;31(1):35–8

IMMUNOLOGY

B-cell function in newborn infants of diabetic mothers. Heding LG, et al. **Diabetologia** 1980 Nov;19(5):427–32

METABOLISM

Diabetes in pregnancy: effects on the foetal and newborn rat with particular regard to body weight, serum insulin concentration and pancreatic contents of insulin, glucagon and somatostatin. Eriksson U, et al. **Acta Endocrinol (Copenh)** 1980 Jul;94(3):354–64
Phospholipid studies of the amniotic fluid in diabetic pregnancy. Teramo K, et al. **Acta Endocrinol [Suppl] (Copenh)** 1980;Suppl 238:21–3
Glycosaminoglycan patterns in diabetic and toxemic term placentas. Wasserman L, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 1):769–73
Epidural anesthesia for cesarean section in diabetic parturients: maternal and neonatal acid-base status and bupivacaine concentration. Datta S, et al. **Anesth Analg (Cleve)** 1981 Aug;60(8):574–8
Alterations in fetal lung phosphatidylinositol metabolism associated with maternal glucose intolerance. Merritt TA, et al. **Biol Neonate** 1981;39(5–6):217–24
Amniotic fluid palmitic acid/stearic acid ratios, lecithin/sphingomyelin ratios and palmitic acid concentrations in the assessment of fetal lung maturity in diabetic pregnancies [letter] Brudnell JM, et al. **Br J Obstet Gynaecol** 1980 Jul;87(7):638
Metabolic adjustments in normal and diabetic pregnancy. Knopp RH, et al. **Clin Obstet Gynecol** 1981 Mar;24(1):21–49 (128 ref.)
Neonatal macrosomia in maternal diabetes. Kim YS, et al. **Diabetologia** 1980 May;18(5):407–11
Amniotic fluid C-peptide in normal and insulin-dependent diabetic pregnancies. Tchobroutsky G, et al. **Diabetologia** 1980 Apr;18(4):289–92
Decreased prostacyclin production in the infant of the diabetic mother. Stuart MJ, et al. **J Lab Clin Med** 1981 Sep;98(3):412–16
Pancreatic alpha cell response to alanine during and after normal and diabetic pregnancies. Kitzmiller JL, et al. **Obstet Gynecol** 1980 Oct;56(4):440–5
Plasma membrane insulin receptors in fetal rabbit lung. Neufeld ND, et al. **Pediatr Res** 1981 Jul;15(7):1058–62
Effect of diabetes during pregnancy on maternal and neonatal bile acid metabolism in the rat. Hassan AS, et al. **Proc Soc Exp Biol Med** 1980 Dec;165(3):490–5
Placental metabolism and enzyme activities in diabetic pigs. Martin RJ, et al. **Proc Soc Exp Biol Med** 1980 Oct; 165(1):39–43
Effects of pregnancy and streptozotocin diabetes on hepatic fatty acid metabolism. Wasfi I, et al. **Proc Soc Exp Biol Med** 1981 Mar;166(3):330–4
[Glycogen in subcutaneous adipose tissue in normal and pathologic neonates] Přibylová H, et al. **Cesk Pediatr** 1980 Oct;35(10):526–8 (Eng. Abstr.) **(Cze)**
[Maternal factors in the metabolic process and fetal hyperdevelopment] Coppola F, et al. **Minerva Ginecol** 1980 Jul–Aug;32(7–8):599–604 (Eng. Abstr.) **(Ita)**

MORTALITY

[Perinatal mortality and diabetes mellitus] Segel'man MM. **Arkh Patol** 1981;43(1):64–9 (Eng. Abstr.) **(Rus)**

NURSING

Nursing care of the pregnant woman with diabetes mellitus. Moore DS, et al. **JOGN Nurs** 1981 May–Jun;10(3):188–94

OCCURRENCE

Diabetic screening in pregnancy. Ng CS, et al. **Singapore Med J** 1981 Apr;22(2):59–63
[Committee report on nutrition and metabolism in gyneco-obstetrics (Survey on pregnancy in diabetes mellitus in Japan)] **Acta Obstet Gynaecol Jpn** 1981 May; 33(5):731–40 **(Jpn)**

PATHOLOGY

Quantitative morphology of B, A, D, and PP cells in infants of diabetic mothers. Milner RD, et al. **Diabetes** 1981 Apr; 30(4):271–4
Amniotic epithelium in diabetes mellitus. Light and electron microscopic examination. Wang T. **Virchows Arch [Pathol Anat]** 1980;387(2):185–91

PHYSIOPATHOLOGY

Glycogen reserves in the subcutaneous adipose tissue and energy metabolism in newborns of diabetic mothers. Přibylová H, et al. **Biol Neonate** 1981;39(1–2):22–27
Fetal death immediately following normal antenatal fetal heart rate pattern. Case report. Shaxted EJ, et al. **Br J Obstet Gynaecol** 1981 Jul;88(7):747–8
An investigation of the reliability of assessing foetal lung development from amniotic fluid palmitate concentrations in pregnancies complicated by maternal diabetes.

McMurray JA, et al. **Clin Chim Acta** 1980 Nov 6; 107(3):257–60

Banting Lecture 1980. Of pregnancy and progeny. Freinkel N. **Diabetes** 1980 Dec;29(12):1023–35 (154 ref.)

Fetal macrosomia in diabetic multiparous animals. Kim YS, et al. **Diabetologia** 1981 Mar;20(3):213–6

Immunocytochemical study of the endocrine pancreas in the rat during normal pregnancy and during experimental diabetic pregnancy. Van Assche FA, et al. **Diabetologia** 1980 Jun;18(6):487–91

Cortisol reversal of functional delay of lung maturation in fetuses of diabetic rabbits. Sosenko IR, et al. **J Appl Physiol** 1980 Dec;49(6):971–4

Monocyte insulin receptors in infants of strictly controlled diabetic mothers. Neufeld ND, et al. **J Clin Endocrinol Metab** 1981 Mar;52(3):473–6

Increased erythropoiesis and elevated erythropoietin in infants born to diabetic mothers and in hyperinsulinemic rhesus fetuses. Widness JA, et al. **J Clin Invest** 1981 Mar; 67(3):637–42

Fetal breathing and body movement in relation to maternal meals in normal and insulin-dependent pregnancies. Roodenburg PJ, et al. **J Perinat Med** 1981;9 Suppl 1:149–50

[External respiratory function in the newborn infants of mothers with diabetes mellitus] Vasil'eva OIu, et al. **Pediatriia** 1981 Feb;(2):35–6 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Psychiatric risk factors in the pregnant diabetic patient. Barglow P, et al. **Am J Obstet Gynecol** 1981 May 1; 140(1):46–52

SURGERY

[State of newborn infants delivered by cesarean section to women with diabetes mellitus] Poliakova GP. **Akush Ginekol (Mosk)** 1980 Nov;(11):48–50 **(Rus)**

THERAPY

Care of pregnant diabetics: medical aspects. Baranyi E, et al. **Acta Diabetol Lat** 1980 Jan–Mar;17(1):51–60

Pregnancy and diabetes: a survey. Mølsted-Pedersen L. **Acta Endocrinol [Suppl] (Copenh)** 1980;Suppl 238:13–9

Diabetes mellitus in pregnancy: have all the problems been solved? Gabbe SG. **Am J Med** 1981 Mar;70(3):613–8 (23 ref.)

Rigid blood glucose control in pregnant diabetic women [letter] Semchyshyn S. **Am J Obstet Gynecol** 1981 Jan 15; 139(2):234–5

General obstetric management of the diabetic pregnancy. Gabbe SG, et al. **Clin Obstet Gynecol** 1981 Mar; 24(1):91–105 (42 ref.)

Metabolic control of diabetic pregnancy. Seeds AE, et al. **Clin Obstet Gynecol** 1981 Mar;24(1):51–64 (22 ref.)

Recent advances in the management of diabetic pregnant women. Coustan DR. **Clin Perinatol** 1980 Sep;7(2):299–311

Self-monitored blood glucose: the essential biofeedback signal in the diabetic patient's effort to achieve normoglycemia. Irsigler K, et al. **Diabetes Care** 1980 Jan–Feb;3(1):163–70

Diabetes mellitus and pregnancy. Mintz DH, et al. **Diabetes Care** 1978 Jan–Feb;1(1):49–63 (114 ref.)

Management of premature labour in diabetic pregnancy. Barnett AH, et al. **Diabetologia** 1980 May;18(5):365–8

The artificial pancreas and the management of the pregnant diabetic. Verpooten G, et al. **Eur J Obstet Gynaecol Reprod Biol** 1980 Jul;10(6):375–9

Diagnosis and management of diabetes in pregnancy. Huddleston JF. **J Med Assoc State Ala** 1980 Jul;50(1):31–3, 37

Pregnancy in established non-insulin-dependent diabetics. A five-and-a-half year study at Groote Schuur Hospital. Coetzee EJ, et al. **S Afr Med J** 1980 Nov 15;58(20):795–802

[Effect of pregnancy on diabetes and its management] Aro A, et al. **Duodecim** 1980;96(2):142–53 **(Fin)**

[Internal medical care of diabetic pregnant women around the time of labor] Baranyi E, et al. **Orv Hetil** 1981 Feb 8;122(6):315–20 **(Hun)**

[Pregnancy complicated by clinical diabetes] Gustowski A, et al. **Wiad Lek** 1980 Jun 1;33(11):859–64 (Eng. Abstr.) **(Pol)**

PREGNANCY MAINTENANCE

Effect of removal of follicles, corpora lutea or ovaries on maintenance of pregnancy in swine. Nara BS, et al. **J Anim Sci** 1981 Apr;52(4):794–801

Effects of an antiserum to luteinizing hormone and steroid replacement therapy on maintenance of pregnancy in the rat: serum and luteal levels of progesterone, testosterone and oestradiol. Terranova PF, et al. **J Endocrinol** 1981 Jul; 90(1):9–18

[Studies on treatment of invasive mole and subsequent reproductive performance, a report of 39 cases (author's transl)] Kanazawa K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Jan;32(1):69–74 (Eng. Abstr.) **(Jpn)**

PREGNANCY, MULTIPLE

Total protein concentrations in human amniotic fluid from normal and twin pregnancies. Parihar MS, et al. **Acta Biol Med Ger** 1980;39(6):741–3

Workshop on Twin Pregnancy. Aberdeen: April 11–12, 1979. **Acta Genet Med Gemellol (Roma)** 1979;28(4):249–82

Glucose tolerance in twin pregnancy. Campbell DM, et al. **Acta Genet Med Gemellol (Roma)** 1979;28(4):283–7

Anaemia in twin pregnancy. Hall MH, et al. **Acta Genet Med Gemellol (Roma)** 1979;28(4):279–82

Clinical management of twin pregnancies. Héluin G, et al. **Acta Genet Med Gemellol (Roma)** 1979;28(4):333

Delivery of twin pregnancy. Héluin G, et al. **Acta Genet Med Gemellol (Roma)** 1979;28(4):361–2

The etiology of human dizygotic twinning with special reference to spontaneous abortions. Hémon D, et al. **Acta Genet Med Gemellol (Roma)** 1979;28(4):253–8

The value of measurement of pregnancy-specific proteins in twin pregnancies. Jandial V, et al. **Acta Genet Med Gemellol (Roma)** 1979;28(4):319–25

Oxytocin treatment in twin pregnancy labour. Leroy F. **Acta Genet Med Gemellol (Roma)** 1979;28(4):303–9

Nutrition in twin pregnancy. MacGillivray I. **Acta Genet Med Gemellol (Roma)** 1979;28(4):289–91

The twinning incidence of Nigeria. Nylander PP. **Acta Genet Med Gemellol (Roma)** 1979;28(4):261–3

Towards a normalization of the outcome of twin pregnancy. Persson PH, et al. **Acta Genet Med Gemellol (Roma)** 1979; 28(4):341–6

Diagnosis and treatment of twin pregnancy. Persson PH, et al. **Acta Genet Med Gemellol (Roma)** 1979;28(4):311–7

The frequency of ovular resorption during the first trimester of twin pregnancy. Schneider L, et al. **Acta Genet Med Gemellol (Roma)** 1979;28(4):271–2

Relative cervical incompetence in twin pregnancy. Assessment and efficacy of cervical suture. Sinha DP, et al. **Acta Genet Med Gemellol (Roma)** 1979;28(4):327–31

The prognosis of multiple pregnancy assessed by ultrasonic tomography. Nakano H, et al. **Acta Obstet Gynaecol Jpn** 1981 Jun;33(6):839–43

Amniocentesis in twin pregnancies under guidance of the glucose concentration in amniotic fluid. Hansen KB, et al. **Acta Obstet Gynecol Scand** 1980;59(3):275–6

Monoamniotic twins diagnosed by ultrasound in the first trimester. Mantoni M, et al. **Acta Obstet Gynecol Scand** 1980;59(6):551–3

Pulmonary edema after ritodrine infusion for premature labor in a patient with mitral valve disease. Reichman J, et al. **Acta Obstet Gynecol Scand** 1981;60(1):87–8

The Northwestern University multihospital twin study. I. A description of 588 twin pregnancies and associated pregnancy loss, 1971 to 1975. Keith L, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 1):781–9

Sonar cephalometry in twin pregnancy: discordancy of the biparietal diameter after 28 weeks' gestation. Leveno KJ, et al. **Am J Obstet Gynecol** 1980 Nov 15;138(6):615–9

Evidence that fetal membranes are not involved in cortisol metabolism: study of dichorionic twin pregnancies. López Bernal A, et al. **Am J Obstet Gynecol** 1980 Dec 15; 138(8):1168–72

Serum placental lactogen in mice in relation to day of gestation and number of conceptuses. Markoff E, et al. **Biol Reprod** 1981 May;24(4):846–51

The influence of perinatal undernutrition of twin-bearing ewes on milk yields and lamb performance and the effects of postnatal nutrition on live weight gain and carcass composition. Lawlor MJ, et al. **Br J Nutr** 1981 May; 45(3):579–86

Antepartum fetal heart rate monitoring in multiple pregnancy. Bailey D, et al. **Br J Obstet Gynaecol** 1980 Jul;87(7):561–4

Misdiagnosis of fetal heart rate during a twin labour. Case report. Fehrmann H. **Br J Obstet Gynaecol** 1980 Dec; 87(12):1174–7

Antepartum fetal heart rate monitoring in multiple pregnancy [letter] Hopper MS, et al. **Br J Obstet Gynaecol** 1981 Jan; 88(1):80

The prediction of fetal growth retardation in twin pregnancy. Houlton MC, et al. **Br J Obstet Gynaecol** 1981 Mar; 88(3):264–73

Multiple births in Hausa women [letter] James WH. **Br J Obstet Gynaecol** 1981 Jun;88(6):686–8

Monoamniotic twins with an unusual cord complication. Case report. McLeod FN, et al. **Br J Obstet Gynaecol** 1981 Jul; 88(7):774–5

Detection of the small-for-dates twin fetus by ultrasound. Neilson JP. **Br J Obstet Gynaecol** 1981 Jan;88(1):27–32

The merits of special antenatal care for twin pregnancies. O'Connor MC, et al. **Br J Obstet Gynaecol** 1981 Mar; 88(3):222–30

Multiple births in Hausa women. Rehan N, et al. **Br J Obstet Gynaecol** 1980 Nov;87(11):997–1004

The use of a beta-sympathomimetic drug in locked twins. Case report. Sevitz H, et al. **Br J Obstet Gynaecol** 1981 Jan;88(1):76–7

Unusual combination of locked twins [letter] Durrant W. **Cent Afr J Med** 1980 Nov;26(11):248

Serum concentrations of human chorionic gonadotrophin and its alpha and beta subunits. I. During normal singleton and twin pregnancies. Reuter AM, et al. **Clin Endocrinol (Oxf)** 1980 Oct;13(4):305–18

Twins and other multiple deliveries. MacGillivray I. **Clin Obstet Gynaecol** 1980 Dec;7(3):581–600 (46 ref.)

Monoamniotic twin pregnancy and modern obstetrics: report of a case with a peculiar cord complication. Kassam SH, et al. **Diagn Gynecol Obstet** 1980 Fall;2(3):213–20

Paediatric preparation for multiple premature births. Salisbury DM, et al. **Early Hum Dev** 1977 Oct;1(1):39–45

Multiple births in Igbo women. Azubuike JC. **East Afr Med J** 1980 Nov;57(11):787–90

Multiple pregnancies following induction of ovulation. Schenker JG, et al. **Fertil Steril** 1981 Feb;35(2):105–23 (154 ref.)

Lecithin Content of amniotic fluid in twin pregnancies with and without long-term tocolytic therapy. Goeschen K, et al. **Gynecol Obstet Invest** 1980;11(5):301–6

Triplet pregnancy: a review of 27 cases. Egwuatu VE. **Int J Gynaecol Obstet** 1980;18(6):460–4

Medical, social and psychological aspects of quintuplet pregnancy and delivery. Neri A, et al. **Isr J Med Sci** 1981 May;17(5):355–8

Twin pregnancy, Turner syndrome, ultrasound. Bellina PV Jr, et al. **J La State Med Soc** 1981 Jan;133(1):11–2

Anencephaly, twins and HLA-B27. Farb HF, et al. **J Reprod Med** 1980 Oct;25(4):166–70

Combined intra- and extrauterine pregnancy: a diagnostic challenge [letter] Koroly MV, et al. **J Reprod Med** 1981 May;26(5):54–5

Triplet pregnancies. Michlewitz H, et al. **J Reprod Med** 1981 May;26(5):243–6

Unilateral twin interstitial ectopic pregnancy. A case report. Starks GC. **J Reprod Med** 1980 Aug;25(2):79–82

Cesarean section for delivery of the second twin. Evrard JR, et al. **Obstet Gynecol** 1981 May;57(5):581–3

Inefficacy of 17 alpha-hydroxyprogesterone caproate in the prevention of prematurity in twin pregnancy. Hartikainen-Sorri AL, et al. **Obstet Gynecol** 1980 Dec; 56(6):692–5

Twin pregnancy in woman with 45,X/47,XXX karyotype. Kivinen S, et al. **Obstet Gynecol** 1980 Sep;56(3):401–2

Triplet and quadruplet pregnancies and management. Ron-El R, et al. **Obstet Gynecol** 1981 Apr;57(4):458–63

Perinatal mortality in twin pregnancies: implications for clinical management. Sehgal NN. **Postgrad Med** 1980 Nov; 68(5):231, 233, 236

Fetal prostaglandin levels in twin pregnancies. Norman RJ, et al. **Prostaglandins Med** 1981 Mar;6(3):309–16

Gluconeogenesis from glycerol by ketotic sheep pregnant with twins. Ranaweera A, et al. **Res Vet Sci** 1981 May; 30(3):303–8

Quintuplet gestation. A case report. Botha MC, et al. **S Afr Med J** 1981 Aug 29;60(9):364–6

Successful triplet pregnancy following renal transplantation. MacLean AB, et al. **Scott Med J** 1980 Oct;25(4):320–2

Twins—still a perinatal problem. Zachman RD. **Wis Med J** 1980 Sep;79(9):31–2

[Prevention of prematurity in multiple pregnancy] Ivanova S, et al. **Akush Ginekol (Sofiia)** 1980;19(5–6):451–3 **(Bul)**

[Down's syndrome – twins – malignant tumors: 3 results of a single cause in 35- to 39-year-old women?] Kučera J. **Cesk Gynekol** 1980;45(10):755–8 **(Cze)**

[Multiple pregnancies. Apropos of 37 cases] Chevrant-Breton O, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980; 9(2):243–8 (Eng. Abstr.) **(Fre)**

[Perinatal mortality in twin pregnancy. 576 case histories (author's transl)] Grall JY, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(4):471–7 (Eng. Abstr.) **(Fre)**

[Twins—intra- and extrauterine alive at term (author's transl)] Hohlweg-Majert P, et al. **Geburtshilfe Fraunheilkd** 1981 Apr;41(4):297–8 (Eng. Abstr.) **(Ger)**

[A retrospective study of 211 twin births (author's transl)] Hohlweg-Majert P, et al. **Geburtshilfe Fraunheilkd** 1981 Apr;41(4):284–92 (Eng. Abstr.) **(Ger)**

[Simultaneous extra- and intrauterine twin pregnancy] Kattner W, et al. **Med Welt** 1980 Sep 19;31(38):1351–2 **(Ger)**

[Course of twin pregnancies after foetal death in utero (author's transl)] Litschgi M, et al. **Z Geburtshilfe Perinatol** 1980 Jun;184(3):227–30 (Eng. Abstr.) **(Ger)**

[Twin pregnancy and twin birth, a retrospective (1970–1976) and prospective (1977–1978) study (author's transl)] Stucki D, et al. **Z Geburtshilfe Perinatol** 1980 Aug;184(4):235–47 (Eng. Abstr.) **(Ger)**

[Role of ultrasonography in attention to multiple pregnancy (author's transl)] Eichhorn KH, et al. **Zentralbl Gynaekol** 1980;102(23):1354–61 (Eng. Abstr.) **(Ger)**

[Risks in intensive care of twin pregnancies (author's transl)] Goeschen K. **Zentralbl Gynaekol** 1980;102(18):1035–44 (Eng. Abstr.) **(Ger)**

[Indication for caesarean section for multiple pregnancy (author's transl)] Schulze G, et al. **Zentralbl Gynaekol** 1981; 103(6):347–54 **(Ger)**

[The use of real time in the diagnosis of multiple pregnancy] De Placido G, et al. **Arch Ostet Ginecol** 1979 Aug–Dec; 84(5–6):275–81 (Eng. Abstr.) **(Ita)**

[Clinical aspects of pregnancy pathology in multiple pregnancy] Colla G, et al. **Minerva Ginecol** 1980 Jul–Aug; 32(7–8):555–78 (Eng. Abstr.) **(Ita)**

[Maternal-fetal pathology in twin delivery] Colla G, et al. **Minerva Ginecol** 1980 Sep;32(9):719–34 (Eng. Abstr.) **(Ita)**

[Hydatidiform mole concurrent with normal pregnancy (twins) following clomiphene therapy (author's transl)]

Honda J, et al. **Acta Obstet Gynaecol Jpn** 1980 Dec; 32(12):2041–3 **(Jpn)**

[Case of ruptured tubal pregnancy coexistent with normally-developing intrauterine pregnancy] Konieczny H. **Wiad Lek** 1980 Sep 1;33(17):1415–6 **(Pol)**

[Twin pregnancies at the gynecology-obstetric unit of the medical center at Sibenik (1959–1978)] Mikulandra F, et al. **Jugosl Ginekol Opstet** 1980 May–Aug;19(3–4):145–51 (Eng. Abstr.) **(Scr)**

DRUG EFFECTS

[Contraceptive pills and twin pregnancies] Métneki J, et al. **Orv Hetil** 1980 May 11;121(19):1125–7 **(Hun)**

PREGNANCY, PROLONGED

The fine structure of placental junctional zone cells during prolonged pregnancy in rats. Jollie WP, et al. **Acta Anat (Basel)** 1979;105(4):386–400

Postdatism. Mongan PF, et al. **Am Fam Physician** 1981 Mar; 23(3):208–12

Postdate pregnancy: utilization of contraction stress testing for primary fetal surveillance. Freeman RK, et al. **Am J Obstet Gynecol** 1981 May 15;140(2):128–35

Estriol in pregnancy. VII. Unconjugated plasma estriol in prolonged gestation. Gauthier RJ, et al. **Am J Obstet Gynecol** 1981 Feb 15;139(4):382–9

False reactive nonstress tests in postterm pregnancies. Miyazaki FS, et al. **Am J Obstet Gynecol** 1981 Jun 1; 140(3):269–76

Influence of ACTH secreting tumor (MtTF4) on fetal rat adrenal gland steroidogenesis in vitro in prolonged pregnancy. Klepac R. **Endokrinologie** 1981 Apr;77(2):192–6

Non quantitative estimation of amniotic fluid volume in suspected prolonged pregnancy. Crowley P. **J Perinat Med** 1980;8(5):249–51

Management of the uncomplicated postdate pregnancy. Rayburn WF, et al. **J Reprod Med** 1981 Feb;26(2):93–5

Clinical management of postdate pregnancy in the small community hospital. Piccolo AR. **JAOA** 1980 Dec; 80(4):271–5

'Prolonged pregnancy' after oral contraceptive therapy. Ratten GJ. **Med J Aust** 1981 Jun 13;1(12):641–2

Post-term pregnancy. I. Hauth JC, et al. **Obstet Gynecol** 1980 Oct;56(4):467–70

Post-term pregnancy [letter] Nagey DA. **Obstet Gynecol** 1981 Jul;58(1):135–6

Thromboplastic activity of amniotic fluid in term and postmature gestations. Yaffe H, et al. **Obstet Gynecol** 1981 Apr;57(4):490–2

Development of fetal rat lung during prolonged gestation. Morris GS, et al. **Respir Physiol** 1980 Dec;42(3):263–85

[Biological rhythms of the fetoplacental system in normal and prolonged pregnancy] Timoshenko LV, et al. **Akush Ginekol (Sofiia)** 1980;19(5–6):416–20 **(Bul)**

[Changes in the amount of blood in the uterus and placenta of rats in prolonged pregnancy] Katsulov A, et al. **Eksp Med Morfol** 1981;20(1):46–50 (Eng. Abstr.) **(Bul)**

[Some immunological changes found in gestoses (author's transl)] Fuchs V, et al. **Cesk Gynekol** 1980 Sep;45(8):548–53 (Eng. Abstr.) **(Cze)**

[Histofluoroscopic aspects of the placenta in prolonged pregnancy] Allocca G, et al. **Arch Ostet Ginecol** 1979 Mar–Jul;84(3–4):133–49 (Eng. Abstr.) **(Ita)**

[Prolonged pregnancy, fetal and neonatal distress. Clinical example of diagnostic detection] Santi F, et al. **Minerva Ginecol** 1981 Jan;33(1):91–6 (Eng. Abstr.) **(Ita)**

[Serum leucine aminopeptidase activity in threatened abortion, prolonged pregnancy and pregnancy toxemias] Nikodem W. **Pol Tyg Lek** 1981 Apr 6;36(14):497–9 (Eng. Abstr.) **(Pol)**

[Course and management of prolonged pregnancy and labor] Golota VIa, et al. **Akush Ginekol (Mosk)** 1980 Jul;(7):21–4 (Eng. Abstr.) **(Rus)**

[Chorionic gonadotropin excretion in prolonged pregnancy and delayed labor] Ismailova SA. **Akush Ginekol (Mosk)** 1980 Jul;(7):27–9 (Eng. Abstr.) **(Rus)**

[Anaemia and late gestosis and their risk during gravidity and delivery (author's transl)] Pačin J, et al. **Cesk Gynekol** 1980 Sep;45(8):554–7 (Eng. Abstr.) **(Slo)**

DRUG EFFECTS

[Fetal respiratory movements in prolonged pregnancy. Growth retardation and effect of nicotine] Bonilla-Musoles F, et al. **Gynaekol Rundsch** 1980;20(4):218–34 **(Ger)**

PREGNANCY PROTEINS

Specific interaction between placental protein 5 and heparin. Jones GR, et al. **Clin Chim Acta** 1981 Feb 19;110(1):65–70

Molecular heterogeneity of placental protein 5 (PP5) in late pregnancy serum and plasma: evidence for a heparin-PP5 polymer. Salem HT, et al. **Clin Chim Acta** 1980 Nov 6; 107(3):211–5

[Physico-chemical properties of trophoblast-specific beta 1-globulin] Shevchenko OP, et al. **Biokhimiia** 1980 Jan; 45(1):142–5 (Eng. Abstr.) **(Rus)**

ANALYSIS

Placenta-associated plasma protein-A (PAPP-A, SP4) in trophoblastic tumours. Wahlström T, et al. **Acta Pathol Microbiol Scand [A]** 1981 Jan;89A(1):65–6

Pregnancy specific beta-1 glycoprotein (SP1) in patients with trophoblastic disease: molecular heterogeneity and a 'SP1 consuming factor'. Westergaard JG, et al. **Acta Pathol Microbiol Scand [C]** 1980 Aug;88(4):233–6

Relationship of obstetric parameters to the concentration of pregnancy-associated plasma protein A. Bischof P, et al. **Am J Obstet Gynecol** 1980 Nov 1;138(5):494–9

Interrelationships of human chorionic gonadotropin, human placental lactogen, and pregnancy-specific beta 1-glycoprotein throughout normal human gestation. Braunstein GD, et al. **Am J Obstet Gynecol** 1980 Dec 15; 138(8):1205–13

Pregnancy-associated plasma protein A: circulating levels during normal pregnancy. Folkersen J, et al. **Am J Obstet Gynecol** 1981 Apr 15;139(8):910–4

Pregnancy-specific beta 1-glycoprotein as a prognostic indicator in complications of early pregnancy. Ho PC, et al. **Am J Obstet Gynecol** 1980 Oct 1;138(3):253–6

Progestogen-dependent endometrial protein in women: tissue concentration in relation to developmental stage and to serum hormone levels. Joshi SG, et al. **Am J Obstet Gynecol** 1980 Dec 15;138(8):1131–6

Trophoblastic disease monitoring: Evaluation of pregnancy-specific beta 1-glycoprotein. O'Brien TJ, et al. **Am J Obstet Gynecol** 1980 Oct 1;138(3):313–20

Use of a rapid radioimmunoassay for pregnancy-specific beta-1 glycoprotein in gynecologic emergencies: comparison with routine urinary pregnancy test and a rapid radioimmunoassay for human chorionic gonadotropin. Siiteri JE, et al. **Am J Obstet Gynecol** 1981 Apr 15; 139(8):968–70

Immunohistochemical location of placental proteins (PP8, 9, 10, 11, 12) in human term placentae. Inaba N, et al. **Arch Gynecol** 1980;230(2):109–21

Immunohistochemical location of proteins related to pregnancy-specific beta 1-glycoprotein (SP1) and placental tissue proteins (PP5, PP8, PP9, PP10, PP11, PP12) in the afterbirth of Cynomolgus monkeys (Macaca fascicularis). Inaba N, et al. **Arch Gynecol** 1981;230(3):195–204

On molecular heterogeneity of pregnancy specific beta 1-glycoprotein [letter] Teisner B, et al. **Aust NZ J Obstet Gynaecol** 1981 Feb;21(1):61–2

Further evidence for syncytiotrophoblastic localization of beta 1-SP1-glycoprotein. Guaschino S, et al. **Basic Appl Histochem** 1980;24(3):209–12

Pregnancy-associated murine protein 3 (pamp-3): characterization and serum levels. Hau J, et al. **Biol Reprod** 1981 Feb;24(1):163–9

Sequential fluoroimmunoassay for measurement of pregnancy specific beta 1 glycoprotein using antibody coupled to magnetisable particles. Al-Ani AT, et al. **Clin Chim Acta** 1981 Apr 27;112(1):91–8

Circulating levels of pregnancy zone protein: normal range and the influence of age and gender. Folkersen J, et al. **Clin Chim Acta** 1981 Mar 5;110(2–3):139–45

Variations in the level of the pregnancy-associated alpha 2-glycoprotein in patients with gynaecologic cancer. Bauer HW, et al. **Eur J Cancer** 1980 Nov;16(11):1475–81

Detection of recurrent metastases using tumor associated serum markers: validity of results. Dent PB, et al. **Eur J Cancer** 1980 Jul;16(7):963

A comparative study of nucleic acid content and electrophoretic analysis of human decidual and endometrial proteins. Umapathysivam K, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Jun;12(1):43–57

Radioimmunoassay for a progestagen-associated protein of the human endometrium. Joshi SG, et al. **J Clin Endocrinol Metab** 1981 Jun;52(6):1185–92

Immunocytochemical localization of a progestagen-associated endometrial protein in the human decidua. Mazurkiewicz JE, et al. **J Clin Endocrinol Metab** 1981 May;52(5):1006–8

Radioimmunoassay of SP1 (pregnancy-specific beta1-glycoprotein) in maternal blood and in amniotic fluid normal and pathologic pregnancies. Würz H, et al. **J Perinat Med** 1981;9(2):67–78

Placental proteins and steroid hormones in the soluble fraction of human syncytiotrophoblast plasma membrane. Johnson PM, et al. **J Reprod Fertil** 1980 Jul;59(2):437–40

A progestagen-dependent endometrial protein in human amniotic fluid. Joshi SG, et al. **J Reprod Fertil** 1980 Nov; 60(2):317–21

Reference preparation for assay of some pregnancy and cancer associated proteins [letter] Bohm H, et al. **Lancet** 1980 Oct 11;2(8198):796

Effect of smoking on maternal blood SP1 levels in late pregnancy. Lee JN, et al. **Obstet Gynecol** 1981 Feb; 57(2):220–3

The demonstration of two pregnancy-associated proteins with SP1 determinants in placental extracts. Ahmed AM, et al. **Placenta** 1981 Jan–Mar;2(1):45–51

Circulating levels of pregnancy specific beta 1-glycoprotein (SP1) in normal pregnancy and in intrauterine growth retardation. Lee JN, et al. **Taiwan I Hsueh Hui Tsa Chih** 1980 Nov;79(11):986–9

[Pregnancy-associated alpha 2 glycoprotein and its possible clinical uses (author's transl)] Munzarová M. **Cas Lek Cesk** 1980 Nov 28;119(48):1300–2 (Eng. Abstr.) **(Cze)**

[Alpha-2-glycoprotein associated with pregnancy in the serum of breast cancer patients (author's transl)] Munzarová M, et al. **Cas Lek Cesk** 1980 Nov 14; 119(46):1237–41 (Eng. Abstr.) **(Cze)**

[Serial levels of HLP, SP1, SP3, and different proteins in pregnancy compared for their prognostic value (author's transl)] Viala JL, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(4):419–24 (Eng. Abstr.) **(Fre)**

[Quantitative investigations of the pregnancy associated alpha 2-glycoprotein (PAG) in malignant melanoma (author's transl)] Göring HD, et al. **Dermatol Monatsschr** 1981 Apr; 167(4):217–23 (Eng. Abstr.) **(Ger)**

[The early diagnosis of pregnancy by the enzyme immunoassay of beta-1-glycoprotein (sp1) (author's transl)] Eiermann W, et al. **Geburtshilfe Fraunheilkd** 1981 Jun; 41(6):404–6 (Eng. Abstr.) **(Ger)**

[SP-1 and beta-HCG in suspected ectopic pregnancy (author's transl)] Tatra G, et al. **Geburtshilfe Fraunheilkd** 1981 May;41(5):359–61 (Eng. Abstr.) **(Ger)**

[Fetal and placental proteins in ovarian cancer] Tatra G, et al. **Gynaekol Rundsch** 1980 Jun;20 Suppl 2:138–41 **(Ger)**

[SP1—a further index to placental function?] Vetter K, et al. **Gynaekol Rundsch** 1980 Jun;20 Suppl 1:72–4 **(Ger)**

[Behavior of the serum concentration of pregnancy associated alpha 2 glycoprotein (alpha 2-PAG) in gynecologic carcinomas (author's transl)] Tatra G. **Strahlentherapie** 1981 Jul;157(7):464–7 (Eng. Abstr.) **(Ger)**

[SP1 beta 1-glycoprotein and vesicular mole] Tolino A, et al. **Arch Ostet Ginecol** 1980 Jan–Apr;85(1–2):59–64 (Eng. Abstr.) **(Ita)**

[The laboratory in monitoring high-risk pregnancy] Radillo L, et al. **Quad Sclavo Diagn** 1981 Jun;17(2):164–71 (Eng. Abstr.) **(Ita)**

[Immunological assay of beta-1-SP-1-glycoprotein applied to obstetric diagnosis: review of the literature and serum levels in normal and pathological pregnancies] Guerresi E, et al. **Riv Ital Ginecol** 1980;59(1):29–35 (13 ref.) (Eng. Abstr.) **(Ita)**

[Immunohistochemical study of testicular tumor on cellular localization of HCG beta-subunit, alpha-fetoprotein and beta 1-pregnancy specific glycoprotein (author's transl)] Shimatani N, et al. **Nippon Hinyokika Gakkai Zasshi** 1980 Dec;71(12):1438–45 (Eng. Abstr.) **(Jpn)**

[Studies for a sensitive radioimmunoassay of beta1-Sp1-glycoprotein (SP1) (author's transl)] Maeda K, et al. **Nippon Naibunpi Gakkai Zasshi** 1980 Jul 20; 56(7):945–61 (Eng. Abstr.) **(Jpn)**

[Incidence and concentration of pregnancy associated proteins in the aged (author's transl)] Yoshioka N, et al. **Rinsho Byori** 1980;28(6):588–90 **(Jpn)**

[Acute phase proteins in the diagnosis of prostatic neoplasms] Nikolaev AA, et al. **Lab Delo** 1981;(4):230–2 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Cells from normal brain and gliomas synthesize pregnancy-specific beta 1-glycoprotein-like material in vitro. Heikinheimo M, et al. **Br J Cancer** 1981 May; 43(5):654–8

The Production of beta 1-specific pregnancy glycoprotein (SP1) by the amnion. Koh SH, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Feb;11(4):215–9

Production of pregnancy-specific beta 1-glycoprotein by cultured placental cells. Chou JY, et al. **J Clin Endocrinol Metab** 1981 Aug;53(2):239–45

Pregnancy-specific beta-1-glycoprotein (SP1) in cultured amniotic fluid cells. Heikinheimo M, et al. **J Clin Endocrinol Metab** 1980 Dec;51(6):1432–6

Detection and synthesis of a progestagen-dependent protein in human endometrium. Joshi SG, et al. **J Reprod Fertil** 1980 Jul;59(2):273–85

Ectopic synthesis of pregnancy specific beta 1-glycoprotein (SP1) and placental specific tissue proteins (PP5, PP10, PP11, PP12) in nontrophoblastic malignant tumours. Possible markers in oncology. Inaba N, et al. **Klin Wochenschr** 1980 Aug 1;58(15):789–91

BLOOD

The value of measurement of pregnancy-specific proteins in twin pregnancies. Jandial V, et al. **Acta Genet Med Gemellol (Roma)** 1979;28(4):319–25

Serum levels of the 'pregnancy-zone protein' during short-term prenatal dexamethasone therapy. Teisner B, et al. **Acta Obstet Gynecol Scand** 1981;60(2):161–4

Circulating concentrations of specific placental proteins (human chorionic gonadotropin, pregnancy-specific beta-1 glycoprotein, and placental protein 5) in untreated gestational trophoblastic tumors. Lee JN, et al. **Am J Obstet Gynecol** 1981 Mar 15;139(6):702–4

A comparison of assay methods for pregnancy specific beta 1 glycoprotein (SP-1). Ho PC, et al. **Aust NZ J Obstet Gynaecol** 1980 May;20(2):109–12

Placental protein 5 (PP5) in complicated pregnancies. Nisbet AD, et al. **Br J Obstet Gynaecol** 1981 May;88(5):492–9

Placental protein 5 (PP5): development of a radioimmunoassay and measurement of circulating levels in normal pregnancy. Nisbet AD, et al. **Br J Obstet Gynaecol** 1981 May;88(5):484–91

Circulating levels of placental protein 5 in the mother: relation to birth weight. Obiekwe BC, et al.

Br J Obstet Gynaecol 1980 Apr;87(4):302–4

The effect of protamine on serum levels of placental protein 5 (PP5) in normal and abnormal pregnancy: a possible relation to coagulation abnormalities. Salem HT, et al. **Br J Obstet Gynaecol** 1981 Apr;88(4):367–70

Measurement of placental protein 5, placental lactogen and pregnancy-specific beta 1 glycoprotein in mid-trimester as a predictor of outcome of pregnancy. Salem HT, et al. **Br J Obstet Gynaecol** 1981 Apr;88(4):371–4

Placental protein 5 (PP5) in placental abruption. Salem HT, et al. **Br J Obstet Gynaecol** 1981 May;88(5):500–3

Variations in some of the body fluid hormone levels currently used for endocrine monitoring during the third trimester of pregnancy. Pedretti E, et al. **J Perinat Med** 1981; 9(1):40–7

Immunochemical characterization and serum concentrations of pregnancy-associated serum proteins in mice. Hau J, et al. **J Reprod Fertil** 1980 Mar;58(2):389–93

Comparison of the pregnancy-associated murine protein-2 and human pregnancy-specific beta 1-glycoprotein. Hau J, et al. **J Reprod Fertil** 1980 Sep;60(1):115–9

The ratio between molecular variants of pregnancy-specific beta 1 glycoprotein (SP1) in the peripheral and retroplacental circulation during later pregnancy. Grudzinskas JG, et al. **Placenta** 1980 Jul–Sep;1(3):223–6

Review article: the new placental proteins. Klopper A. **Placenta** 1980 Jan–Mar;1(1):77–89 (43 ref.)

The diagnostic value of maternal pregnancy-specific beta 1-glycoprotein in threatened abortion. Karg NJ, et al. **Z Geburtshilfe Perinatol** 1981 Feb;185(1):38–40

[Some immunological changes found in gestoses (author's transl)] Fuchs V, et al. **Cesk Gynekol** 1980 Sep;45(8):548–53 (Eng. Abstr.) **(Cze)**

[The influence of mode of delivery on retroplacental and peripheral serum concentrations of HPL and SP-1 (author's transl)] Tatra G, et al. **Arch Gynecol** 1980;229(3):253–8 (Eng. Abstr.) **(Ger)**

[High molecular weight albumins in normal and pathological pregnancies and under tocolytic therapy. Serum concentrations of beta-1-SP-1, IgM and alpha-2-macroglobulin] Siekmann U, et al. **Fortschr Med** 1980 Nov 6;98(41):1614–7 (Eng. Abstr.) **(Ger)**

[Findings on the behavior of beta 1 SP 1 in normal and complicated pregnancies] Guaschino S, et al. **Ann Ostet Ginecol Med Perinat** 1981;102(2):95–9 (Eng. Abstr.) **(Ita)**

[Clinical value of the determination of pregnancy proteins in the blood] Kamińska JA, et al. **Ginekol Pol** 1981; 52(4):381–91 (79 ref.) (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Immunochemical and biological studies on two molecular variants of pregnancy specific beta 1 glycoprotein (SP1) SP1 alpha and SP1 beta. Grudzinskas JG, et al. **Clin Chim Acta** 1980 Sep 8;106(1):1–7

Nonimmune complexes of pregnancy-specific beta 1-glycoprotein explain its heterogeneity. Tamsen L, et al. **Int Arch Allergy Appl Immunol** 1981;66(1):21–32

Pregnancy-associated alpha-2-glycoprotein in recurrent oral ulceration and Behçet's syndrome. Thomson AW, et al. **Int Arch Allergy Appl Immunol** 1981;66(1):33–9

Properties of the progestagen-dependent protein of the human endometrium. Joshi SG, et al. **J Reprod Fertil** 1980 Jul;59(2):287–96

beta 1-glycoprotein (SP-1) in maternal serum as a diagnostic aid in ectopic pregnancy. Eiermann W, et al. **Ric Clin Lab** 1980 Jan–Mar;10(1):229–31

ISOLATION & PURIFICATION

Isolation of a pregnancy-associated globulin (PAG) from the rat and preparation of a specific antiserum (anti-PAG). Porstmann T, et al. **Acta Biol Med Ger** 1980;39(4):479–87

Separation of two pregnancy-associated proteins with SP1 determinants and the conversion of SP1 beta to SP1 alpha. Ahmed AG, et al. **Arch Gynecol** 1980;230(2):95–108

Purification of pregnancy-associated plasma protein-A by a two step affinity chromatographic procedure. Folkersen J, et al. **Placenta** 1981 Jan–Mar;2(1):11–7

Purification of pregnancy-associated alpha-macroglobulin by buffer electrofocusing. Hearn MT, et al. **Prep Biochem** 1981;11(2):191–200

[Isolation and characterization of a new placental tissue protein (PP11) (author's transl)] Bohn H, et al. **Arch Gynecol** 1980;229(4):293–301 (Eng. Abstr.) **(Ger)**

[Isolation and characterization of a new placenta specific protein (PP12) (author's transl)] Bohn H, et al. **Arch Gynecol** 1980;229(4):279–91 (Eng. Abstr.) **(Ger)**

METABOLISM

Circulating concentrations of specific placental proteins (human chorionic gonadotropin, pregnancy-specific beta-1 glycoprotein, and placental protein 5) in untreated gestational trophoblastic tumors. Lee JN, et al. **Am J Obstet Gynecol** 1981 Mar 15;139(6):702–4

Specific interaction between placental protein 5 and thrombin. Jones GR, et al. **Clin Chim Acta** 1981 Jul 18; 114(1):75–82

Placental protein 5 (PP5) in severe pre-eclampsia and eclampsia. Lee JN, et al. **Int J Gynaecol Obstet** 1981 Mar; 19(1):65–7

The pregnancy-associated alpha 2-glycoprotein (alpha 2-PAG). A tumour marker? Bauer HW. **Klin Wochenschr** 1981 Feb 16;59(4):149–55 (47 ref.)

The relationship between changing values of pregnancy-associated plasma protein-A in late pregnancy and the onset of labour. Smith R, et al. **Placenta** 1981 Apr–Jun;2(2):143–8

HPL, beta 1SP1-glycoprotein and LAP in the normal and pathological pregnancy. Gamberini G, et al. **Ric Clin Lab** 1980 Jan–Mar;10(1):233–7

[Pregnancy associated protein in women using hormonal contraception (author's transl)] Kudela M, et al. **Cesk Gynekol** 1981 May;46(4):290–5 (Eng. Abstr.) **(Cze)**

PHARMACODYNAMICS

Inhibitory effect on the blastogenic response to mitogen by placental protein SP-1. Majumdar S, et al. **Indian J Med Res** 1981 May;73:751–5

The role of lysine-41 of ribonuclease A in the interaction with RNase inhibitor from human placenta. Blackburn P, et al. **J Biol Chem** 1980 Nov 25;255(22):10959–65

Pregnancy-associated plasma protein-A: an inhibitor of the complement system. Bischof P. **Placenta** 1981 Jan–Mar; 2(1):29–34

[New placental protein (PP15) with immunosuppressive properties (author's transl)] Bohn H, et al. **Arch Gynecol** 1980;230(2):167–72 (Eng. Abstr.) **(Ger)**

[Effect of specific placental proteins—trophoblastic beta 1-glycoprotein chorionic alpha 1-microglobulin—on the proliferation of lymphocytes and malignant fibroblasts in vitro] Gorlina IuK, et al. **Biull Eksp Biol Med** 1981 Mar; 91(3):345–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Placental trophic hormones. Marrs RP, et al. **Clin Obstet Gynecol** 1980 Sep;23(3):721–35 (42 ref.)

Biological and clinical significance of pregnancy-associated alpha2-glycorprotein (alpha/-PAG)-a review. Thomson AW, et al. **Invest Cell Pathol** 1980 Jul–Sep;3(3):295–309

URINE

[Study on the properties of pregnancy-specific beta 1-glycoprotein (SP1) in urines of pregnant women (author's transl)] Ito M, et al. **Acta Obstet Gynaecol Jpn** 1981 May;33(5):612–8 (Eng. Abstr.) **(Jpn)**

PREGNANCY, SECOND TRIMESTER see **PREGNANCY TRIMESTER, SECOND**

PREGNANCY-SPECIFIC BETA 1-GLYCOPROTEIN see under **PREGNANCY PROTEINS**

PREGNANCY TESTS

Pregnancy in a patient with three negative pregnancy tests and hyperprolactinemia [letter] Fox RL. **Am J Obstet Gynecol** 1980 Nov 1;138(5):590–1

Use of a rapid radioimmunoassay for pregnancy-specific beta-1 glycoprotein in gynecologic emergencies: comparison with routine urinary pregnancy test and a rapid radioimmunoassay for human chorionic gonadotropin. Siiteri JE, et al. **Am J Obstet Gynecol** 1981 Apr 15; 139(8):968–70

Early diagnosis of pregnancy in a patient receiving antipsychotic medication. Hillard JR, et al. **Am J Psychiatry** 1981 Sep;138(9):1252–3

Diagnosis of pregnancy. Bachmann GA. **J Am Coll Health Assoc** 1981 Feb;29(4):179–81

Positive pregnancy tests at Stanford: a follow up study, 1978–1980. Dorman JM. **J Am Coll Health Assoc** 1981 Jun; 29(6):286–8

Pregnancy diagnosis and bacteriuria [letter] Murray ED. **J R Coll Gen Pract** 1980 Oct;30(219):634

Routine pregnancy testing: is it a standard of care? Hirsh HL. **South Med J** 1980 Oct;73(10):1365–6

Pregnancy testing-principles and practice. Haning RV. **Wis Med J** 1981 May;80(5):31–3

[Rapid and specific determination of serum HCG in gynecological emergencies] Seppälä M, et al. **Duodecim** 1980;96(9):667–72 (Eng. Abstr.) **(Fin)**

[Urinary estrone and estradiol levels in the diagnostic presumption of pregnancy (author's transl)] Hedon B, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(8):855–60 (Eng. Abstr.) **(Fre)**

INSTRUMENTATION

[Significance of the gravidogram in maternal care (letter)] Gardó S. **Orv Hetil** 1981 May 31;122(22):1357 **(Hun)**

METHODS

The relationship between hormonal pregnancy tests and congenital anomalies: a prospective study. Torfs CP, et al. **Am J Epidemiol** 1981 May;113(5):563–74

Evaluation of a kit for early detection of pregnancy [letter] Ganguly M, et al. **Clin Chem** 1980 Oct;26(11):1628–9

Early diagnosis of pregnancy: a symposium. **J Reprod Med** 1981 Apr;26(Suppl 4):149–78

Early diagnosis of pregnancy [letter] Landesman R, et al. **Lancet** 1980 Oct 4;2(8197):741

A simple and sensitive color test for the detection of human chorionic gonadotropin. Joshi UM, et al. **Obstet Gynecol** 1981 Feb;57(2):252–4

New methods of pregnancy testing in adolescent girls. Saxena BB. **Pediatr Clin North Am** 1981 May;28(2):437–53

[Hormonal diagnosis in early pregnancy] Runnebaum B, et al. **Gynakol Rundsch** 1981;21(2):94–100 **(Ger)**

[Comparison of the accuracy of determination of blood serum concentrations of chorionic gonadotropins in pregnancy by the radioligand assay and radioimmunoassay] Paszko Z, et al. **Ginekol Pol** 1980 Jul;51(7):591–8 (Eng. Abstr.) **(Pol)**

PSYCHOLOGY

Estimating the outcome of a pregnancy test: women's judgements in foresight and hindsight. Pennington DC, et al. **Br J Soc Clin Psychol** 1980 Nov;19(Pt 4):317–24

VETERINARY

The time of detection of oestrone sulphate in milk and the diagnosis of pregnancy in cows. Hamon M, et al. **Br Vet J** 1981 Jan;137(1):71–7

Measurement of progesterone levels in whole and fore-milk from dairy cows. Holdsworth RJ, et al. **Br Vet J** 1980 Nov–Dec;136(6):546–54

A herd test for non-pregnancy using plasma progesterone levels in the selection of swamp buffalo for oestrus synchronization. Kamonpatana M, et al. **Br Vet J** 1981 Mar–Apr;137(2):173–5

A herd test for pregnancy in cattle based on progesterone levels in milk. Laing JA, et al. **Br Vet J** 1980 Jul–Aug; 136(4):413–15

The detection of pregnancy in sheep by a-mode ultrasound. Meredith MJ, et al. **Br Vet J** 1980 Jul–Aug;136(4):325–30

Methods of pregnancy diagnosis in sheep and goats. Memon MA, et al. **Cornell Vet** 1980 Jul;70(3):226–31 (30 ref.)

A comparison of intrarectal Doppler and rectal abdominal palpation for pregnancy testing in goats. Ott RS, et al. **J Am Vet Med Assoc** 1981 Apr 1;178(7):730–1

detection of pregnancy in ewes with the ultrasonic scanopreg. Lane SF, et al. **J Anim Sci** 1981 Mar;52(3):463–7

Direct estimation of oestrone sulphate in sow serum for a rapid pregnancy diagnosis test. Saba N, et al. **J Reprod Fertil** 1981 May;62(1):87–92

Serum assay for canine pregnancy testing. Fisher TM, et al. **Mod Vet Pract** 1981 Jun;62(6):466

Milk progesterone test [letter] Pengelly J. **Vet Rec** 1979 Apr 7;104(14):328

Pregnancy diagnosis in sheep using a rectal probe. Plant JW. **Vet Rec** 1980 Apr 5;106(14):305–6

[Results of a trial with the milk progesterone test for fertility control in dairy herds] Chavaz J, et al. **Schweiz Arch Tierheilkd** 1980 Sep;122(9):471–8 (Eng. Abstr.) **(Ger)**

[Pregnancy examination in the sow. A comparison of two types of ultrasound equipment and rectal examination (author's transl)] Benjaminsen E, et al. **Nord Vet Med** 1980 Oct;32(10):417–22 (Eng. Abstr.) **(Nor)**

PREGNANCY TESTS, IMMUNOLOGIC

False-positive radioimmunoassay pregnancy test in nephrotic syndrome. Regester RF, et al. **JAMA** 1981 Sep 18; 246(12):1337–8

Use of the radioreceptor assay for human chorionic gonadotropin in the diagnosis of ectopic pregnancy. Pelosi MA. **Surg Gynecol Obstet** 1981 Feb;152(2):149–52

[The early diagnosis of pregnancy by the enzyme immunoassay of beta-1-glycoprotein (sp1) (author's transl)] Eiermann W, et al. **Geburtshilfe Frauenheilkd** 1981 Jun; 41(6):404–6 (Eng. Abstr.) **(Ger)**

[New method for the early diagnosis of pregnancy] Vallejo MR, et al. **Ginecol Obstet Mex** 1980 Oct;48(288):247–53 **(Spa)**

METHODS

Immunoperoxidase localisation of human placental lactogen: a marker for the placental origin of the giant cells in 'syncytial endometritis' of pregnancy. Heyderman E, et al. **J Clin Pathol** 1981 Mar;34(3):303–7

[Early pregnancy diagnosis with rapid, specific radioimmunological determination of hCG in serum] Ranta T, et al. **Lakartidningen** 1981;78(13):1307–8 (Eng. Abstr.) **(Fre)**

PREGNANCY, THIRD TRIMESTER see **PREGNANCY TRIMESTER, THIRD**

PREGNANCY TOXEMIAS

A simplified technique to produce toxemia in the pregnant dog. Abitbol MM. **Am J Obstet Gynecol** 1981 Mar 1; 139(5):526–34

BLOOD

Fibrin(ogen) degradation products in normal pregnancy and toxaemia of pregnancy. Barthels M, et al. **Contrib Nephrol** 1981;25:85–90

Studies of maternal and fetal 11-deoxycorticosterone, corticosterone,18-hydroxycorticosterone and aldosterone in normal and toxemic pregnancy. Den K, et al.

Endocrinol Jpn 1980 Dec;27(6):703–8

Estimation of decision criteria for the uric acid concentration for the early diagnosis of gestosis. Haeckel R, et al. **J Clin Chem Clin Biochem** 1981 Mar;19(3):173–6

[Total protein and albumins in late pregnancy toxicoses] Dimitrov A, et al. **Akush Ginekol (Sofiia)** 1981;20(1):10–3 **(Bul)**

[Liver protein function studies in late pregnancy toxicoses] Karadzhova R. **Akush Ginekol (Sofiia)** 1981;20(1):8–10 **(Bul)**

[Electrolyte changes in late pregnancy toxicosis] Koleva Zh, et al. **Akush Ginekol (Sofiia)** 1980;19(4):285–90 (Eng. Abstr.) **(Bul)**

[Alpha-fetoprotein concentration in the serum of pregnant women with late pregnancy toxicoses] Radikov N, et al. **Akush Ginekol (Sofiia)** 1980;19(5–6):437–40 **(Bul)**

[Comparative studies into lipid component levels of parturients with EPH gestosis and of their newborns (author's transl)] Skrzydlewski Z, et al. **Zentralbl Gynaekol** 1980;102(20):1151–3 (Eng. Abstr.) **(Ger)**

[Total serum bilirubin, alkaline phosphatase and transaminases in normal and hepatogestosic pregnant women] Braibanti M, et al. **Ann Ostet Ginecol Med Perinat** 1981 May–Jun;102(3):193–9 (Eng. Abstr.) **(Ita)**

[Hematological changes related to coagulation in toxemia of pregnancy —in reference to postpartum hemorrhage (author's transl)] Fuse Y, et al. **Acta Obstet Gynaecol Jpn** 1981 Apr;33(4):506–12 (Eng. Abstr.) **(Jpn)**

[Acid phosphatase activity in the neutrophils and peripheral lymphocytes in normal pregnancy and pregnancies complicated by RH-HR blood group incompatibility and toxemia] Was K. **Folia Med Cracov** 1981;22(2):205–33 (66 ref.) (Eng. Abstr.) **(Pol)**

[Dehydroepiandrosterone and estrogens in normal pregnancy and pregnancy toxemias] Królikowska M, et al. **Ginekol Pol** 1980 Nov;51(11):987–92 (Eng. Abstr.) **(Pol)**

[Prevention and treatment of blood coagulation disorders in pregnancy toxemias] Soszka T. **Ginekol Pol** 1981 Jan; 52(2):201–4 (20 ref.) (Eng. Abstr.) **(Pol)**

[Changes in the blood kallikrein-kinin activity in pregnancy and labor in women with late toxicosis] Artamonov VS, et al. **Akush Ginekol (Mosk)** 1981 Mar;(3):29–31 (Eng. Abstr.) **(Rus)**

[Hemorheological disorders and their correction in late pregnancy toxicosis] Dzhivelegova GD, et al. **Akush Ginekol (Mosk)** 1981 Mar;(3):34–8 (Eng. Abstr.) **(Rus)**

[Determination of renal beta-globulin in the blood serum of women with late toxicosis] Strizhova NV, et al. **Akush Ginekol (Mosk)** 1981 Mar;(3):27–9 **(Rus)**

COMPLICATIONS

Transient nephrogenic diabetes insipidus during toxemia in pregnancy. Ferrara JM, et al. **Diagn Gynecol Obstet** 1980 Fall;2(3):227–30

Distant evolution of kidney arteriolar lesions and hypertension after pregnancy toxemia. Zech PY, et al. **Nephron** 1980;26(6):296–300

Retinopathy in toxemia of pregnancy. Kline LB. **South Med J** 1981 Jan;74(1):34–6

[Acute choriocapillaris occlusion and Elschnig's spots during a toxemia of pregnancy (author's transl)] Gaudric A, et al. **J Fr Ophtalmol** 1981;4(3):223–9 (Eng. Abstr.) **(Fre)**

[Neonatal hyponatremia from maternal origin. Three cases (author's transl)] Sann L, et al. **Nouv Presse Med** 1979 Jan 20;8(3):199–201 (Eng. Abstr.) **(Fre)**

[A case of severe superimposed toxaemia of pregnancy accompanied by coagulopathy (author's transl)] During R. **Zentralbl Gynaekol** 1980;102(2):105–9 (Eng. Abstr.) **(Ger)**

[Intensive therapy of complications of late pregnancy toxemias] Manevick LE, et al. **Akush Ginekol (Mosk)** 1980 Aug;(8):58–61 **(Rus)**

[Prevention of hemorrhage in the placental and early puerperal periods in late pregnancy toxicosis] Vashchilko SL. **Akush Ginekol (Mosk)** 1981 Mar;(3):50–1 **(Rus)**

[Glomerulonephritis and late pregnancy toxemia] Veisman VA, et al. **Klin Med (Mosk)** 1981 Jan;59(1):63–6 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Estimation of gestosis of pregnancy (EPH-gestosis), relationship between fetal development and gestosis index. Akahori S, et al. **Acta Obstet Gynaecol Jpn** 1981 Mar; 33(3):395–402

Fluorescein angiography in toxaemia of pregnancy. Mabie WC, et al. **Br J Ophthalmol** 1980 Sep;64(9):666–71

Ultrasound monitoring of gestosis polycentric study. Nardelli GB, et al. **Clin Exp Obstet Gynecol** 1980;7(1):53–6

Toxemia in pregnancy. Halverson GM. **Wis Med J** 1980 Jul; 79(7):27–8

[Sensitive tests for the early detection of liver functional changes in late pregnancy toxicoses] Karadzhova R. **Akush Ginekol (Sofiia)** 1981;20(2):112–4 **(Bul)**

[A test for early detection of hypertonias conditioned by pregnancy (gestosis selection test - GST) (author's transl)] Conradt A, et al. **Z Geburtshilfe Perinatol** 1981 Feb; 185(1):47–52 (Eng. Abstr.) **(Ger)**

[Prepartal cardiotocographic monitoring of high-risk pregnancy (author's transl)] Peterseim H, et al. **Zentralbl Gynaekol** 1981;103(6):328–33 (Eng. Abstr.) **(Ger)**

[Usefulness of urinary enzyme tests in EPH-gestosis] Amodio P, et al. **Minerva Nefrol** 1980 Oct-Dec;27(4):607–9 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Concerning a new pathogenetic hypothesis of the E.P.H. gestosis (note II). Cianci S, et al. **Clin Exp Obstet Gynecol** 1980;7(1):5–8

Therapy of toxemia of pregnancy. Friedberg V, et al. **Contrib Nephrol** 1981;25:145–50

[Ineffectiveness of low-dosage heparin treatment in pregnancy complicated by EPH-gestosis] Bottino S, et al. **Ann Ostet Ginecol Med Perinat** 1981 May–Jun; 102(3):188–92 (Eng. Abstr.) **(Ita)**

[Endogenous intoxications of pregnancy: gestosis] Margaria E, et al. **Minerva Anestesiol** 1979 Mar;45(3):103–8 (Eng. Abstr.) **(Ita)**

[Clinical studies on cefoperazone in gynecological field (author's transl)] Yamaji K, et al. **Jpn J Antibiot** 1980 Aug; 33(8):782–93 **(Jpn)**

[Effect of dolantin and serotonin on the degree of perfusion tension in gestotic placenta] Zrubek H, et al. **Ginekol Pol** 1980 Dec;51(12):1079–85 (Eng. Abstr.) **(Pol)**

[Experience with metoclopramide therapy in early pregnancy toxicosis] Martynshin MIa, et al. **Akush Ginekol (Mosk)** 1981 Mar;(3):44–5 (Eng. Abstr.) **(Rus)**

[Evaluation of the effectiveness of heparin therapy in late pregnancy toxicosis] Safarov AT, et al. **Akush Ginekol (Mosk)** 1981 Mar;(3):46–8 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Proteolysis and antiproteolysis associated with toxemia of pregnancy. Vázquez Escobosa C, et al. **Arch Invest Med (Mex)** 1980;11(4):445–59 **(Eng, Spa)**

[Acid phosphatase of the neutrophils and lymphocytes in pregnancy toxemias] Piotrowski J, et al. **Ginekol Pol** 1980 May;51(5):395–41 (Eng. Abstr.) **(Pol)**

[Blood plasma dopamine beta-hydroxylase and monoamine oxidase activity in pregnancy toxemias] Zrubek H, et al. **Ginekol Pol** 1980 Dec;51(12):1099–103 (Eng. Abstr.) **(Pol)**

[Serum leucine aminopeptidase activity in threatened abortion, prolonged pregnancy and pregnancy toxemias] Nikodem W. **Pol Tyg Lek** 1981 Apr 6;36(14):497–9 (Eng. Abstr.) **(Pol)**

[Blood serum isoenzymatic spectrum in late pregnancy toxicosis] Chiladze ZA, et al. **Akush Ginekol (Mosk)** 1981 Mar;(3):23–4 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Concerning a new pathogenetic hypothesis of the E.P.H. gestosis (note I). Cianci S, et al. **Clin Exp Obstet Gynecol** 1980;7(1):1–4

Intakes of vitamins and minerals by pregnant women with selected clinical symptoms. Lu JY, et al. **J Am Diet Assoc** 1981 May;78(5):477–82

[A brief review of the research work on toxemia of pregnancy in Shanghai (author's transl)] Wang JH. **Chung Hua Fu Chan Ko Tsa Chih** 1980 Jul;15(3):140–5 **(Chi)**

[Factors contributing to the etiology of hypertension in pregnancy. 2. Renin-angiotensin system and toxemia of pregnancy] Annat G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(1):42–5 **(Fre)**

[Influence of body weight and weight increase on the development and severity of an EPH gestosis (author's transl)] Grünberger W, et al. **Z Geburtshilfe Perinatol** 1980 Jun;184(3):217–22 (Eng. Abstr.) **(Ger)**

[Role of the renin-angiotensin system and prostaglandins with depressor action in the pathogenesis of late pregnancy toxicosis] Matsuganova TN. **Akush Ginekol (Mosk)** 1981 Mar;(3):25–7 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Changes of serum protein and immunoglobulin in toxemia of pregnancy. Hung TC, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1980 Jun;13(2):143–8

The immunologic concept of EPH-gestosis. Gleicher N, et al. **Mt Sinai J Med (NY)** 1980 Sep–Oct;47(5):442–53

[Immunology of pregnancy toxemias] Knobloch V. **Cesk Gynekol** 1981 Mar;46(2):120–30 (99 ref.) **(Cze)**

[Action of complement in normal pregnancy and gestosis] Manno C, et al. **Boll Ist Sieroter Milan** 1979 Sep 30; 58(4):325–34 (Eng. Abstr.) **(Ita)**

[HL-A antigens in late pregnancy toxicosis] Vasil'eva ZF, et al. **Vopr Okhr Materin Det** 1980 Sep;25(9):57–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Glycosaminoglycan patterns in diabetic and toxemic term placentas. Wasserman L, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 1):769–73

Storage of some organochlorine compounds in toxemia of pregnancy. Wassermann M, et al. **Environ Res** 1980 Aug; 22(2):404–11

[Concentration of serotonin (5-HT) and monoamine oxidase activity in the placentas of women with pregnancy toxemias] Doraczyński H. **Ginekol Pol** 1980 Dec; 51(12):1093–7 (Eng. Abstr.) **(Pol)**

[Various indicators of serotonin metabolism in early pregnancy toxemias] Doraczyński H. **Ginekol Pol** 1980 Dec;51(12):1087–91 (Eng. Abstr.) **(Pol)**

[Various carbohydrate metabolites in normal pregnancy and physiological and pathological labor. I. Pregnancy, labor and pregnancy toxemias] Komorowska A, et al. **Ginekol Pol** 1980 Nov;51(11):1009–17 (Eng. Abstr.) **(Pol)**

[Effect of hyperbaric oxygenation on catecholamine metabolism in the placenta in late pregnancy toxicosis] Drel' IK, et al. **Akush Ginekol (Mosk)** 1981 Mar;(3):16–9 (Eng. Abstr.) **(Rus)**

[Amniotic fluid phospholipids in late pregnancy toxicosis] Papaian AV, et al. **Akush Ginekol (Mosk)** 1981 Mar;(3):31–3 (Eng. Abstr.) **(Rus)**

[Hormonal interrelations in the maternal-placental-fetal system in late pregnancy toxemias] Timoshenko LV, et al. **Akush Ginekol (Mosk)** 1980 Aug;(8):14–7 (Eng. Abstr.) **(Rus)**

[Acid-base status in normal pregnancy and in pregnancy with toxicosis] Krstajić N, et al. **Srp Arh Celok Lek** 1979 Nov; 107(11):653–6 **(Scc)**

MICROBIOLOGY

[Vaginal fungi in toxemia of pregnancy (author's transl)] Higashide K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Jan;32(1):46–52 (Eng. Abstr.) **(Jpn)**

NURSING

Pregnancy-induced hypertension. Wheeler L, et al. **JOGN Nurs** 1981 May–Jun;10(3):212–32

OCCURRENCE

[Gynecological consultation and late pregnancy toxicoses] Milchev N. **Akush Ginekol (Sofiia)** 1980;19(4):291–6 (Eng. Abstr.) **(Bul)**

[Epidemiological factors of EPH-gestosis. Clinico-statistical study of 472 cases] Parmeggiani A, et al. **Riv Ital Ginecol** 1977 Sep–Oct;58(5):427–37 (Eng. Abstr.) **(Ita)**

PATHOLOGY

[Anatomo-pathological and immunofluorescence investigation of the toxemic placenta] Cesone P, et al. **Minerva Ginecol** 1980 Sep;32(9):735–43 (Eng. Abstr.) **(Ita)**

[Effect of gestosis on fetal brain] Laure-Kamionowska M. **Neuropatol Pol** 1980 May–Jun;18(2):239–57 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

The role of prostaglandins in endotoxemia and comparisons in response in the nonpregnant, maternal, and fetal models. II. Alterations in prostaglandin physiology in the nonpregnant, pregnant, and fetal experimental animal. O'Brien WF, et al. **Am J Obstet Gynecol** 1981 Mar 1; 139(5):535–9

Results of a prospective study of toxemia of pregnancy. Riedel H, et al. **Contrib Nephrol** 1981;25:137–44

HPL and estriol serum levels of placental perfusion as indexes of placental function in EPH gestosis and placental insufficiency. Gitsch E, et al. **Gynecol Obstet Invest** 1980; 11(2):102–12

EEG changes in late toxemias of pregnancy. Novikov YuI, et al. **Hum Physiol** 1980 Nov–Dec;6(6):423–30

[Blood volume changes in normal pregnancy and late toxicoses] Dimitrov A. **Akush Ginekol (Sofiia)** 1981; 20(1):76–82 **(Bul)**

[Modifications of vascular reactivity. 1. Structural alterations of the utero-placental arteries] Foidart JM, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(1):48–9 **(Fre)**

[Prognostic value of vesperal or nocturnal rises in blood pressure during toxaemia of pregnancy. 58 cases (author's transl)] Rudigoz RC, et al. **Nouv Presse Med** 1980 Sep 13; 9(32):2225–7 (Eng. Abstr.) **(Fre)**

[Disturbed microcirculation in gestosis (author's transl)] Heilmann L, et al. **Z Geburtshilfe Perinatol** 1980 Jun; 184(3):187–94 (Eng. Abstr.) **(Ger)**

[Functional state of the sympathetic-adrenal and hypophyseal-adrenal systems in late toxicoses] Bazhanova LP, et al. **Akush Ginekol (Mosk)** 1981 Mar;(3):20–2 (Eng. Abstr.) **(Rus)**

[Effect of psychotherapy on cerebral circulatory dynamics in pregnant women with late toxicosis and a hypertensive syndrome] Mamiev OB, et al. **Akush Ginekol (Mosk)** 1981 Mar;(3):39–41 (Eng. Abstr.) **(Rus)**

[Fetoplacental system functional state in the protracted course of late pregnancy toxicosis] Vikhliaeva EM, et al. **Akush Ginekol (Mosk)** 1981 Mar;(3):9–12 (Eng. Abstr.) **(Rus)**

[Placental structural and histochemical changes in late

pregnancy toxicosis] Zheleznov BI, et al. **Akush Ginekol (Mosk)** 1981 Mar;(3):13–6 (Eng. Abstr.) **(Rus)**

[State of the adrenal cortex and of immunological resistance in newborn infants born of mothers with a late pregnancy toxicosis] Bystritskaia TS, et al. **Vopr Okhr Materin Det** 1980 Jul;25(7):47–50 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

[Constant control of weight in the prevention of EPH gestosis] Berghella A. **Minerva Ginecol** 1980 Jul–Aug; 32(7–8):605–8 (Eng. Abstr.) **(Ita)**

SURGERY

[Availability of cesarean section in severe forms of late toxemia] Malinovskaia Sla, et al. **Akush Ginekol (Mosk)** 1980 Nov;(11):36–8 (Eng. Abstr.) **(Rus)**

THERAPY

Renal function and hypertension associated with pregnancy. Slavin MJ. **JAOA** 1980 Dec;80(4):258–63

[Hyperoncotic hemodilution in the ewe asa model of therapy in EPH gestosis (author's transl)] Schröck R, et al. **Z Geburtshife Perinatol** 1981 Jun;185(3):168–77 (Eng. Abstr.) **(Ger)**

[Anaesthesia and therapy for gestosis – impact on the newborn (author's transl)] Vogtmann C, et al. **Zentralbl Gynaekol** 1980;102(8):463–8 (Eng. Abstr.) **(Ger)**

[Experience with hemosorption in the combined therapy of severe forms of late pregnancy toxicosis] Griaznova IM, et al. **Akush Ginekol (Mosk)** 1981 Mar;(3):42–4 (Eng. Abstr.) **(Rus)**

[Acupuncture reflexotherapy of late pregnancy toxicosis] Zharkin AF, et al. **Akush Ginekol (Mosk)** 1981 Mar; (3):48–50 **(Rus)**

[Use of an oxygen-herb cocktail in the overall treatment of late pregnancy toxicosis] Novikov IuI, et al. **Vopr Okhr Materin Det** 1980 Jul;25(7):50–3 (Eng. Abstr.) **(Rus)**

URINE

Urinary fibrinolysis in toxemia of pregnancy. Chen HF, et al. **Acta Obstet Gynecol Scand** 1980;59(6):499–504

Proteinuria in relation to toxaemia of pregnancy. Lison AE, et al. **Contrib Nephrol** 1981;25:128–31

PREGNANCY TRIMESTER, FIRST

Doxorubicin in the first trimester of pregnancy [letter] Garcia V, et al. **Ann Intern Med** 1981 Apr;94(4 pt 1):547

A comparison of the efficacy and acceptability of the Copper-7 intrauterine device following immediate or delayed insertion after first-trimester therapeutic abortion. Gillett PG, et al. **Fertil Steril** 1980 Aug;34(2):121–4

Rosette inhibition levels during early human gestation. Thomson AW, et al. **J Reprod Immunol** 1980 Dec; 2(5):263–8

Vaginal bleeding in the first and second trimesters of pregnancy. Rich E. **Nurse Pract** 1980 Nov–Dec;5(6):10–1, 13, 15–6, passim

[Comparison of two intramuscular prostaglandin analogs for inducing abortion in the first pregnancy trimester] Schüssler B, et al. **Gynaekol Rundsch** 1980;20(2):102–9 **(Ger)**

PREGNANCY TRIMESTER, SECOND

Vaginal bleeding in the first and second trimesters of pregnancy. Rich E. **Nurse Pract** 1980 Nov–Dec;5(6):10–1, 13, 15–6, passim

[Clinical experience from transcervical intra-amnionic hypertonic saline instillation for termination of pregnancy in second trimester] Ehrig E, et al. **Zentralbl Gynaekol** 1980; 102(22):1288–93 (Eng. Abstr.) **(Ger)**

PREGNANCY TRIMESTER, THIRD

Glucose tolerance following oral salbutamol treatment in late pregnancy. Wager J, et al. **Acta Obstet Gynecol Scand** 1981; 60(3):291–4

Silent pericardial effusion in late pregnancy [letter] Haïat R, et al. **Chest** 1981 Jun;79(6):717

Ante-natal admissions. Conway PJ, et al. **Ir Med J** 1981 Mar; 74(3):91–2

Conversion of plasma progesterone to deoxycorticosterone in men, nonpregnant and pregnant women, and adrenalectomized subjects. Winkel CA, et al. **J Clin Invest** 1980 Oct;66(4):803–12

Estimation of gestational age and maternal serum steroid concentrations. Unconjugated estriol. Penney LL. **J Steroid Biochem** 1980 Dec;13(12):1443–7

Should coitus late in pregnancy be discouraged? Mills JL, et al. **Lancet** 1981 Jul 18;2(8238):136–8

Aortic valve replacement in the third trimester of pregnancy: case report and review of the literature. Eilen B, et al. **Obstet Gynecol** 1981 Jan;57(1):119–21 (19 ref.)

Effect of postural change on plasma renin and aldosterone concentrations in third-trimester pregnancy. Oney T, et al. **Obstet Gynecol** 1981 Jul;58(1):31–4

The ratio between molecular variants of pregnancy-specific beta 1 glycoprotein (SP1) in the peripheral and retroplacental circulation during later pregnancy. Grudzinskas JG, et al. **Placenta** 1980 Jul–Sep;1(3):223–6

[Optical density and surface tension in amniotic fluid in the late pregnancy (author's transl)] Riss P, et al. **Geburtshilfe Frauenheilkd** 1981 Mar;41(3):213–7 (Eng. Abstr.) **(Ger)**

[Pregnancy and immune system. I. Immunological characterization of mononuclear cells during late pregnancy (author's transl)] Heidenreich W, et al. **Geburtshilfe Fraunheilkd** 1981 Feb;41(2):93–5 (Eng. Abstr.) **(Ger)**

[Sense and nonsense of hormone determinations in obstetrics and gynecology: late pregnancy] Keller PJ. **Gynakol Rundsch** 1981;21(2):89–93 **(Ger)**

[On the kinetics of pethidine in the late state of pregnancy (author's transl)] Peiker G, et al. **Pharmazie** 1981; 36(2):124–8 (Eng. Abstr.) **(Ger)**

[Behaviour of human placental lactogen (HPL) following continuous glucose infusion in late pregnancy (author's transl)] Fuhrmann K, et al. **Zentralbl Gynaekol** 1980; 102(18):1031–4 (Eng. Abstr.) **(Ger)**

[Prostaglandin levels in amniotic fluid during normal advanced pregnancy (author's transl)] Nieder J, et al. **Zentralbl Gynaekol** 1981;103(4):204–13 (Eng. Abstr.) **(Ger)**

[Diagnosis of foetal malformations--amniographic representation of encephalomeningocele in 32nd week of pregnancy (author's transl)] Opri F, et al. **Zentralbl Gynaekol** 1980;102(20):1159–65 (Eng. Abstr.) **(Ger)**

[Radioimmunological determination of amniotic fluid and blood serum alpha fetoprotein concentrations in normal third trimester pregnancy] Skałba P, et al. **Ginekol Pol** 1980 Oct;51(10):895–9 (Eng. Abstr.) **(Pol)**

[Influence of the site of insertion of the placenta on the duration of pregnancy] Florido J, et al. **Acta Obstet Ginecol Hisp Lusit** 1980 May;28(5):329–37 **(Spa)**

DRUG EFFECTS

Maternal hormone levels during Na 872 infusion in late pregnancy. Tuimala RJ, et al. **Horm Metab Res** 1981 Mar; 13(3):174–6

PREGNANCY, TUBAL

Pregnancy in heterotopic fallopian tube and unilateral ovarian hyperstimulation. Granat M, et al. **Acta Obstet Gynecol Scand** 1981;60(2):215–7

Ectopic pregnancy after total abdominal hysterectomy. Williams RM. **J R Coll Surg Edinb** 1981 Jan;26(1):46

COMPLICATIONS

Sclerosing stromal tumour of the ovary case report with endocrine studies. Quinn MA, et al. **Br J Obstet Gynaecol** 1981 May;88(5):555–8

[Case of ruptured tubal pregnancy coexistent with normally-developing intrauterine pregnancy] Konieczny H. **Wiad Lek** 1980 Sep 1;33(17):1415–6 **(Pol)**

[Pathogenetic basis of shock reaction in ectopic (tubal) pregnancy] Glukhovets BI, et al. **Vestn Khir** 1980 Aug; 125(8):71–4 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Laparoscopic diagnosis of tubaric pregnancy in evolution and reconstructive surgical treatment. Scarpa F, et al. **Clin Exp Obstet Gynecol** 1980;7(1):71–3

Ruptured tubal pregnancy in the northern part of Nigeria. Ezem BU, et al. **East Afr Med J** 1980 Aug;57(8):574–84

Combined intra- and extrauterine pregnancy. A diagnostic challenge. Shah Y, et al. **J Reprod Med** 1980 Nov; 25(5):290–2

Interstitial pregnancy. Gray CL. **South Med J** 1980 Sep; 73(9):1278–80

[Interstitial pregnancy after salpingectomy--not recognized in first trimester induced abortion (author's transl)] Grünberger W. **Geburtshilfe Frauenheilkd** 1980 Aug; 40(8):722–4 (Eng. Abstr.) **(Ger)**

[Simultaneous extra- and intrauterine twin pregnancy] Kattner W, et al. **Med Welt** 1980 Sep 19;31(38):1351–2 **(Ger)**

[Bilateral tubal pregnancy in woman with intra-uterine contraceptive device in situ (author's transl)] Klebe U, et al. **Zentralbl Gynaekol** 1980;102(17):1006–8 (Eng. Abstr.) **(Ger)**

[Unruptured tubal pregnancy at full term with survival of mother and child (author's transl)] Robrecht D, et al. **Zentralbl Gynaekol** 1980;102(6):321–5 (Eng. Abstr.) **(Ger)**

[Role of laparoscopy in the diagnosis of the early stages of tubal pregnancy] Palatyński A, et al. **Ginekol Pol** 1980 Nov; 51(11):999–1002 (Eng. Abstr.) **(Pol)**

[2 cases of intrauterine pregnancy complicated by tubal pregnancy] Rajs M, et al. **Pol Tyg Lek** 1981 Apr 27; 36(17):603–4 **(Pol)**

[Difficulties and errors of diagnosis of acute appendicitis and gynecologic diseases] Konstantinov VK, et al. **Vestn Khir** 1981 Jan;126(1):136–9 (Eng. Abstr.) **(Rus)**

[Diagnostic and legal signs of tubal pregnancy] Jokanović D, et al. **Srp Arh Celok Lek** 1981;108(6):645–8 **(Scc)**

ETIOLOGY

[Extrauterine pregnancy after sterilization] Ulbak S, et al. **Ugeskr Laeger** 1981 Jan 26;143(5):276 (Eng. Abstr.) **(Dan)**

OCCURRENCE

[Tubal pregnancy and tubal pregnancy recurrence] Schindler AE, et al. **Fortschr Med** 1980 Sep 25;98(36):1374–8 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Ultrastructure of the nidatory site in tubal pregnancy. Kawagoe K, et al. **Acta Obstet Gynaecol Jpn** 1981 Mar; 33(3):403–10

Mitoses in the Arias-Stella reaction [letter] Lipper S, et al. **Arch Pathol Lab Med** 1981 Feb;105(2):116–7

A study of placental villi in extrauterine gestation: a guide to the frequency of blighted ova. Emmrich P, et al. **Placenta** 1981 Jan–Mar;2(1):63–70

[Morphological and stereological examinations of placenta of patient with unruptured tubal pregnancy at full term (author's transl)] Kaltenbach FJ, et al. **Zentralbl Gynaekol** 1981;103(10):577–82 (Eng. Abstr.) **(Ger)**

[Bilateral tubal pregnancy] Qvigstad E, et al. **Tidsskr Nor Laegeforen** 1980 Dec 10;100(34–36):2042–3 (Eng. Abstr.) **(Nor)**

SURGERY

Techniques in conservative surgery for tubal gestation. Stangel JJ, et al. **Clin Obstet Gynecol** 1980 Dec; 23(4):1221–8 (22 ref.)

Microsurgical technique in the management of tubal ectopic pregnancy. DeCherney AH, et al. **Fertil Steril** 1980 Oct; 34(4):324–7

Surgical management of unruptured ectopic pregnancy. DeCherney AH, et al. **Fertil Steril** 1981 Jan;35(1):21–4

[Conservative surgery in tubal pregnancies (editorial)] Langer R, et al. **Harefuah** 1981 Feb 1;100(3):139–40 **(Heb)**

PREGNANCY, UNWANTED see under **PREGNANCY**

PREGNANCY ZONE PROTEINS see under **PREGNANCY PROTEINS**

PREGNANEDIOL

Clinical analysis on steroids. XII. Occurrence of D-homoannulation during the hot acid hydrolysis of 5 beta-pregnane-3 alpha, 20 alpha-diol disulfate. Yoshizawa I, et al. **Steroids** 1980 Jul;36(1):87–96

ANALOGS & DERIVATIVES

Production rates and metabolism of sulphates of 3 beta-hydroxy-5 alpha-pregnane derivatives in pregnant women. Baillie TA, et al. **J Steroid Biochem** 1980 Dec; 13(12):1473–88

The isolation of estriol-16 alpha-glucuronide and pregnanediol-3 alpha-glucuronide from late pregnancy urine. Samarajeewa P, et al. **Steroids** 1980 Nov;36(5):611–8

ANALYSIS

Pregnanediols and breast milk jaundice. Murphy JF, et al. **Arch Dis Child** 1981 Jun;56(6):474–6

BIOSYNTHESIS

Placental production of 5 beta-pregnane-3 alpha,20 alpha-diol in goats. Sheldrick EL, et al. **J Endocrinol** 1981 Aug;90(2):151–8

BLOOD

Progestagen metabolites in fetal sheep plasma: the effect of fetal nephrectomy. Dolling M, et al. **J Dev Physiol** 1979 Oct;1(5):399–413

URINE

The simultaneous determination of pregnanediol and 17-ketosteroids by gas chromatography and total urinary oestrogens by fluorimetry, all from the same urinary extract. Taylor GF, et al. **Pathology** 1981 Jan;13(1):97–100

[Human placental lactogen, total oestrogen and pregnanediol. a comparison of the clinical relevance on a quantitative basis (author's transl)] Wolfrum R. **Z Geburtshife Perinatol** 1980 Feb;184(1):64–9 (Eng. Abstr.) **(Ger)**

PREGNANEDIONES

Evaluation of the actions and use of alphaxolone/alphadolone (CT1341) in sheep. Waterman AE. **Res Vet Sci** 1981 Jan; 30(1):114–9

METABOLISM

Metabolism of alphaxalone in the rat: evidence for the limitation of the anaesthetic effect by the rate of

degradation through the hepatic mixed function oxygenase system. Sear JW, et al. **Br J Anaesth** 1981 Apr;53(4):417–24
Metabolism of the steroid anaesthetic alphaxalone by the isolated perfused rat lung. Nicholas TE, et al. **J Steroid Biochem** 1981 Jan;14(1):45–51
Progesterone, 5 alpha-dihydroprogesterone and R5020 binding in female rat anterior pituitary. Schenborn ET, et al. **J Steroid Biochem** 1981 Jun;14(6):523–31

PHARMACODYNAMICS

Pharmacological studies on the effects of althesin and its steroidal components on the cardiovascular system. al-Khawashki MI, et al. **J Egypt Med Assoc** 1979; 62(1–2):225–39
Effects of althesin and its steroidal components on a variety of excised smooth muscle preparations. al-Khawashki MI, et al. **J Egypt Med Assoc** 1979;62(1–2):209–23
Effects of althesin and its steroidal components on neuromuscular transmission and skeletal muscle. al-Khawashki MI, et al. **J Egypt Med Assoc** 1979; 62(1–2):241–53
Association between the membrane-fluidizing properties and porphyrin-inducing activity of alfaxolone and related steroids. Neilson IR, et al. **Mol Pharmacol** 1980 Jul; 18(1):144–7

TOXICITY

Pharmacological assessment of the anaesthetic potency and acute toxicity of althesin and its steroidal components in laboratory animals. al-Khawashki MI, et al. **J Egypt Med Assoc** 1979;62(1–2):191–208

PREGNANES

Minaxolone: an evaluation with and without premedication. McNeill HG, et al. **Anaesthesia** 1981 Jun;36(6):592–6
Clinical trial--the minaxolone story. Hope CE. **Can Anaesth Soc J** 1981 Jan;28(1):1–5 **(Eng, Fre)**
Identification of fatty acid esters of pregnenolone and allopregnanolone from bovine corpora lutea. Albert DH, et al. **J Biol Chem** 1980 Nov 25;255(22):10618–23
Production rates and metabolism of sulphates of 3 beta-hydroxy-5 alpha-pregnane derivatives in pregnant women. Baillie TA, et al. **J Steroid Biochem** 1980 Dec; 13(12):1473–88
Biosynthesis and metabolism of 16 alpha, 17-epoxy-C21-steroids in rat liver microsomes. Siekmann L, et al. **J Steroid Biochem** 1980 Oct;13(10):1181–205

ADMINISTRATION & DOSAGE

Infusions of minaxolone to supplement nitrous oxide-oxygen anaesthesia. A comparison with althesin. Sear JW, et al. **Br J Anaesth** 1981 Apr;53(4):339–50

METABOLISM

Minaxolone, clinical effects and pharmacokinetics. Subanaesthetic infusion regimen. Mather LE, et al. **Anaesthesia** 1981 Jun;36(6):586–91
Alphadione and minaxolone pharmacokinetics. Sear JW, et al. **Ann Anesthesiol Fr** 1981;22(2):142–8
Minaxolone and alphaxalone [editorial] Hull CJ. **Br J Anaesth** 1981 Apr;53(4):323–4
Minaxolone, a new steroidal anesthetic. Pharmacokinetics and organ extraction in sheep. Gourlay GK, et al. **Drug Metab Dispos** 1980 Nov-Dec;8(6):452–5

PHARMACODYNAMICS

Respiratory effects of Minaxolone. Puchihewa VG, et al. **Anaesthesia** 1980 Jun;35(6):611–3
Effects of steroid hormones on Neisseria gonorrhoeae. Lysko PG, et al. **Antimicrob Agents Chemother** 1980 Aug; 18(2):281–8
Inhibition of testosterone 5 alpha-reductase by a proposed enzyme-activated, active site-directed inhibitor. Blohm TR, et al. **Biochem Biophys Res Commun** 1980 Jul 16; 95(1):273–80
Effect of some i.v. anaesthetic agents on canine gastrointestinal motility. Healy TE, et al. **Br J Anaesth** 1981 Mar;53(3):229–33
Development of a model for integrated pharmacokinetic and pharmacodynamic studies of intravenous anaesthetic agents: applications to minaxolone. Mather LE, et al. **Eur J Clin Pharmacol** 1981;19(5):371–81
Pharmacodynamics of minaxolone, a new steroidal anesthetic. Mather LE, et al. **J Pharmacol Exp Ther** 1981 May;217(2):481–8

THERAPEUTIC USE

Minaxolone and malignant hyperthermia [letter] Harrison GG, et al. **Br J Anaesth** 1980 Jul;52(7):706–7

URINE

Simple computer program for a low-cost desk-top calculator applied to the evaluation of gas-liquid chromatographic analyses of 17-ketosteroids and pregnanes. Schwarz S, et al. **J Chromatogr** 1981 May 8;223(2):253–65
Quantification of polar glucocorticosteroids in the urine of pregnant and nonpregnant women: a comparison with 6 alpha-hydroxylated metabolites of cortisol in neonatal urine and amniotic fluid. Kraan GP, et al. **J Clin Endocrinol Metab** 1980 Oct;51(4):754–8
Changes in the metabolic profile of steroids in urine during ethanol metabolism in man. Axelson M, et al. **J Steroid Biochem** 1981 Feb;14(2):155–9
The excretion of gonadal steroids during the reproductive cycle of the owl monkey (Aotus trivirgatus). Bonney RC, et al. **J Steroid Biochem** 1980 Jan;12:417–21

PREGNANETRIOL

ANALOGS & DERIVATIVES

[Estimations of pregnanetriolone, pregnanetetrol, delta 5-pregnenetriol by spectrophotometry and by gas liquid chromatography (author's transl)] Firmin C. **Ann Biol Clin (Paris)** 1980;38(6):365–73 (Eng. Abstr.) **(Fre)**

PREGNANOLONE see under **PREGNANES**

PREGNANT MARE'S SERUM see **GONADOTROPINS, EQUINE**

PREGNATRIENES

PHARMACODYNAMICS

Deacylcortivazol acts through glucocorticoid receptors. Harmon JM, et al. **J Steroid Biochem** 1981 Mar;14(3):273–9

PREGNENEDIONES

ADMINISTRATION & DOSAGE

Comparison between two non-halogenated glucocorticoid ointments in psoriasis. Heijer A, et al. **J Int Med Res** 1981; 9(4):239–47
[1.0 percent alcinonide ointment, a new topical corticosteroid preparation: clinico-therapeutic evaluation] Ponzio F, et al. **Clin Ter** 1980 May 15;93(3):295–309 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Contact allergy to the corticosteroid budesonide. van Hecke E, et al. **Contact Dermatitis** 1980 Dec;6(7):509

ANALYSIS

4-Pregnene-3,20-dione and 21-hydroxy-4-pregnene-3,20-dione in calf thymus. Reisch J, et al. **Hoppe Seylers Z Physiol Chem** 1980 May; 361(5):791–3
Measurement of progesterone receptors in human breast tumors using the synthetic progestin 16 alpha-ethyl-21-hydroxy-19-nor-4-pregnene-3,20-dione. Duffy MJ. **J Steroid Biochem** 1980 Sep;13(9):1005–7

BLOOD

High-performance liquid chromatographic measurement of cloprednol in human plasma. Lee C, et al. **J Pharm Sci** 1981 Jun;70(6):669–72

METABOLISM

Disposition of a new steroidal anti-inflammatory agent, deflazacort, in rat, dog and man. Alessandro A, et al. **Eur J Drug Metab Pharmacokinet** 1980;5(4):207–15
[Studies on the distribution of radioisotope labeled halcinonide by whole body autoradiography in hairless mice (author's transl)] Shimizu Y, et al. **Nippon Hifuka Gakkai Zasshi** 1980;90(12):1113–20 **(Jpn)**

PHARMACODYNAMICS

Comparative ocular pressure elevation by medrysone, fluorometholone, and dexamethasone phosphate. Mindel JS, et al. **Arch Ophthalmol** 1980 Sep;98(9):1577–8
Antiinflammatory activity and other pharmacological properties of 11 beta, 21-dihydroxy-2'-methyl-5' beta H-pregna-1,4 dieno[17,16-d] oxazole 3,20-dione-21-acetate (Deflazacort). Schiatti P, et al. **Arzneimittelforsch** 1980;30(9):1543–9

THERAPEUTIC USE

Clinical trial of a potent non-halogenated topical steroid, Budesonide. Agrup G, et al. **Acta Derm Venereol (Stockh)** 1981;61(2):180–2
Reduction of metacholine-induced nasal secretion by treatment with a new topical steroid in perennial non-allergic rhinitis. Malm L, et al. **Allergy** 1981 Apr; 36(3):209–14
Efficacy of halcinonide cream, 0.1 percent, in the treatment of moderate and severe dermatoses. Belknap BS, et al. **Cutis** 1981 Apr;27(4):433–5
Low concentration halcinonide cream in the topical management of atopic dermatitis in pediatric patients. Rauschkolb EW, et al. **Cutis** 1981;27(1):105–7
Budesonide: a new corticosteroid in bronchial asthma. Ellul-Micallef R, et al. **Eur J Respir Dis** 1980 Jun; 61(3):167–73
Deflazacort in thrombocytopenia: a comparison with prednisone. Mazzucconi MG, et al. **Int J Clin Pharmacol Ther Toxicol** 1980 Dec;18(12):538–42
A double-blind trial of budesonide ointment and betamethasone-17-valerate ointment in psoriasis. Schmidt H, et al. **J Int Med Res** 1981;9(3):236–8
Allergic perennial and non-allergic, vasomotor rhinitis treated with budesonide nasal spray. Balle VH, et al. **Rhinology** 1980 Sep;18(3):135–42
Budesonide - a new nasal steroid. Pipkorn U, et al. **Rhinology** 1980 Dec;18(4):171–5
[Adrenal cortex extract in the supportive therapy of neoplasm patients] Brambilla Pisoni M, et al. **Minerva Med** 1981 Jan 21;72(2):91–4 (Eng. Abstr.) **(Ita)**

PREGNENES

METABOLISM

[Microbial transformation of 16 beta-methyl-5 alpha-delta 9(11)-pregnene-3 beta, 17 alpha, 21-triol-20-one-3 beta, 21-diacetate and 17 alpha-methyl-17 beta-hydroxy-5 alpha-androstan-3-one (author's transl)] Zhang LQ, et al. **Yao Hsueh Hsueh Pao** 1981 May;16(5):356–60 (Eng. Abstr.) **(Chi)**
[Change of C19-21 steroids levels of maternal serum, amnion and cord plasma by high pressure liquid chromatography (HPLC) (author's transl)] Tojo Y. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Jan;33(1):117–26 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Bioassay of a new aldosterone antagonist and evaluation of a simple method of quantitative comparison. McInnes GT, et al. **Clin Pharmacol Ther** 1981 Aug;30(2):218–25

URINE

Urinary excretion delta 5-pregnenetriol (5-pregnene-3 beta, 17 alpha, 20-triol) in healthy children. Teller WM, et al. **Eur J Pediatr** 1980 Aug;134(2):103–7
[Estimations of pregnanetriolone, pregnanetetrol, delta 5-pregnenetriol by spectrophotometry and by gas liquid chromatography (author's transl)] Firmin C. **Ann Biol Clin (Paris)** 1980;38(6):365–73 (Eng. Abstr.) **(Fre)**

PREGNENINOLONE see **ETHISTERONE**

PREGNENOLONE

ANALOGS & DERIVATIVES

Steroid spectrum in human urine as revealed by gas chromatography. III. Identification and quantitation of pregnenediol at different stages of bodily development. Kecskés L, et al. **Acta Biochim Biophys Acad Sci Hung** 1980;15(1):49–55
A congenital ichthyosiform syndrome with deafness and elevated serum steroid disulphate levels. Oikarinen A, et al. **Acta Derm Venereol (Stockh)** 1980;60(6):503–7
Identification of fatty acid esters of pregnenolone and allopregnanolone from bovine corpora lutea. Albert DH, et al. **J Biol Chem** 1980 Nov 25;255(22):10618–23
Conversion of 15 alpha-hydroxy-11-oxo-progesterone to 3 beta, 11 alpha, 15 beta-trihydroxy-5-pregnen-20-one. Weihe GR, et al. **Steroids** 1981 Mar;37(3):291–301
[Correction of the symptoms of hereditary diseases by means of enzymatic imprinting] Salganik RI, et al. **Dokl Akad Nauk SSSR** 1980;253(6):1480–4 **(Rus)**

BIOSYNTHESIS

Beef adrenal cortical cytochrome P-450 which catalyzes the conversion of cholesterol to pregnenolone. Oxidation-reduction potentials of the free, steroid-complexed, and adrenodoxin-complexed P-450. Light DR, et al. **J Biol Chem** 1981 Jan 10;256(1):343–50
Estradiol receptor-mediated regulation of steroidogenesis in gonadotropin-desensitized Leydig cells. Nozu K, et al. **J Biol Chem** 1981 Feb 25;256(4):1915–22
The steroidogenic capacity of the aging rat testis. Kaler LW, et al. **J Gerontol** 1981 Jul;36(4):398–404
Cytosol stimulation of pregnenolone synthesis by isolated adrenal mitochondria. Ray P, et al. **Life Sci** 1981 Mar 30; 28(13):1529–34
3-Methoxybenzidine: a potent inhibitor of cholesterol side chain cleavage cytochrome P-450. Duval JF, et al. **Steroids** 1980 Oct;36(4):473–81

BLOOD

Serum steroid sulphates in ichthyosis. Ruokonen A, et al. **Br J Dermatol** 1980 Sep;103(3):245–8
A combined radioimmunoassay for the measurement of unconjugated and sulfoconjugated pregnenolone, 17 hydroxypregnenolone, dehydroepiandrosterone, and estrone applied to fetal and maternal ovine plasma. Magyar DM, et al. **Steroids** 1981 Apr;37(4):423–43

METABOLISM

Effect of medrogestone on conversions of pregnenolone and 17 alpha-hydroxypregnenolone in rat testis. Jagarinec N, et al. **Arch Androl** 1981 Aug;7(1):35–7
The rate of conversion of [14-(14)C]pregnenolone to

[4-(14)C]progesterone by corpora lutea of the snapping turtle, Chelydra serpentina. Mahmoud IY, et al. **Gen Comp Endocrinol** 1980 Jun;41(2):274-7

Fungal transformation of pregnenolone & progesterone with the marine fungus Cladosporium herbarum. Namboori K, et al. **Indian J Biochem Biophys** 1980 Apr;17(2):149-52

Gonadotropin stimulation of pregnenolone metabolism in Chinese hamster ovary cells in culture. Evain D, et al. **J Cell Physiol** 1981 Jul;108(1):9-14

In vitro conversion of pregnenolone to progesterone by discrete brain areas of the male rat. Weidenfeld J, et al. **J Steroid Biochem** 1980 Aug;13(8):961-3

New assays for the enzymatic conversion of cholesterol to pregnenolone. Rabe T, et al. **Steroids** 1981 May; 37(5):555-71

PHARMACODYNAMICS

Effects of testosterone, pregnenolone, progesterone and cortisol on pituitary and testicular function in male golden hamsters with gonadal atrophy induced by short photoperiods. Bartke A, et al. **J Endocrinol** 1981 Jul; 90(1):97-102

Relationship between the pregnenolone-induced difference spectrum and cytochrome b5 reduction in guinea-pig adrenal microsomes. Colby HD. **J Steroid Biochem** 1980 Aug;13(8):861-7

Progesterone synthesis by human placental syncytiotrophoblast in vitro--preferred precursor and effect of human chorionic gonadotropin. Paul S, et al. **J Steroid Biochem** 1981 Mar;14(3):311-3

[Mechanism of action of pregnenolone on electron transport in the 20S, 22R-cholesterol hydroxylating system of bovine adrenal cortex mitochondria] Akhrem AA, et al. **Dokl Akad Nauk SSSR** 1980;252(4):1005-8 **(Rus)**

PREGNENOLONE CARBONITRILE

PHARMACODYNAMICS

Effect of pregnenolone--16 alpha-carbonitrile (PCN) on bilirubin clearance in man. Karim SM, et al. **Br J Clin Pharmacol** 1981 Jan;11(1):99-100

Effect of spironolactone and PCN (pregnenolone-16-alpha-carbonitrile) on the hepatotoxicity induced by dimethylmercury in rat. Gagnon MJ, et al. **Gen Pharmacol** 1980;11(6):555-9

Induction of cytochrome P-450 by pregnenolone-16 alpha-carbonitrile in primary monolayer cultures of adult rat hepatocytes and in a cell-free translation system. Elshourbagy NA, et al. **J Biol Chem** 1981 Jun 25; 256(12):6060-8

Effects of phenobarbital, pregnenolone-16 alpha-carbonitrile, and 3-methylcholanthrene pretreatments on the distribution of NADPH-cytochrome c (P-450) reductase within the liver lobule. Taira Y, et al. **Mol Pharmacol** 1980 Sep;18(2):304-12

PREJUDICE

Sexual harassment and nurse anesthetists. Hazel H. **AANA J** 1981 Jun;49(3):277-9

Double standards? Double standards? Foote RH. **Am J Nurs** 1980 Sep;80(9):1610

Racial intolerance in a correctional institution: an ecological view. Pfefferbaum A, et al. **Am J Psychiatry** 1981 Aug; 138(8):1057-62

Margaret Sanger labeled 'racist' [letter] Aul DJ. **Am J Public Health** 1981 Jan;71(1):91

Racism in African psychiatry [editorial] Wortis J. **Biol Psychiatry** 1980 Apr;15(2):181-2

Women students discrimination in dental school. Austin GB, et al. **Can Dent Assoc J** 1980 Sep;46(9):566-9

Racial equity or racial equality. Daymont TN. **Demography** 1980 Nov;17(4):379-93

Four models for age/work policy research. Levine M. **Gerontologist** 1980 Oct;20(5 Pt 1):561-74

Are prejudices against disabled persons determined by personality characteristics? Reviewing a theoretical approach on the basis of empirical research findings. Cloerkes G. **Int J Rehabil Res** 1981;4(1):35-46

Ability to cope with prejudice and role of the visibility factor among paraplegics and the emotionally disturbed. Nwuga VC. **Int J Rehabil Res** 1981;4(1):17-22

The lost source in Freud's 'Comment on anti-semitism': Mark Twain. Richmond MB. **J Am Psychoanal Assoc** 1980; 28(3):563-74

Position cues in discrimination behaviour of normal, Down syndrome and other mentally handicapped children. Stratford B, et al. **J Ment Defic Res** 1981 Jun;25(Pt 2):89-103

Concurrent discrimination learning of monkeys after hippocampal, entorhinal, or fornix lesions. Moss M, et al. **J Neurosci** 1981 Mar;1(3):227-40

Ageism: need we discriminate? Jose NL, et al. **J Sch Health** 1980 Sep;50(7):419-21

Olfactory sensitivity of rats reared in an odorous or deodorized environment. Laing DG, et al. **Physiol Behav** 1980 Oct;25(4):555-8

Inter-animal olfactory cues in operant drug discrimination procedures in rats. Extance K, et al. **Psychopharmacology (Berlin)** 1981;73(4):363-71

The stimulus properties of gamma-hydroxybutyrate. Winter JC. **Psychopharmacology (Berlin)** 1981;73(4):372-5

DRUG EFFECTS

Reinforcing, discriminative and activating properties of amphetamine. Haug T, et al. **Addict Behav** 1980; 5(3):199-208

Discriminative stimulus effects of prototype opiate receptor agonists in monkeys. Teal JJ, et al. **Eur J Pharmacol** 1980 Nov 7;68(1):1-10

Pharmacological analysis of the discriminative stimulus characteristics of ethylketazocine in the rhesus monkey. Hein DW, et al. **J Pharmacol Exp Ther** 1981 Jul;218(1):7-15

A signal detection analysis of morphine effects on the response bias of rats in a two-shock discrimination task. Grilly DM. **Life Sci** 1981 Apr 27;28(17):1883-8

The effect of morphine, pimozide and naloxone on discrimination by rats in a shock escape test. Lewis VA, et al. **Life Sci** 1980 Dec 22-29;27(25-26):2649-54

The role of dopamine in the discriminative stimulus properties of cocaine. McKenna ML, et al. **Neuropharmacology** 1980 Mar;19(3):297-303

Abstracts. Satellite meeting of the Society for Stimulus Properties of Drugs. **Pharmacol Biochem Behav** 1980 Aug; 13(2):312-4

The effects of opiate antagonists on the discriminative stimulus properties of ethanol. Altshuler HL, et al. **Pharmacol Biochem Behav** 1981 Jan;14(1):97-100

Discriminative stimulus properties of cocaine, norcocaine, and N-allylnorcocaine. Bedford JA, et al. **Pharmacol Biochem Behav** 1981 Jan;14(1):81-3

Caffeine discrimination in the rat. Modrow HE, et al. **Pharmacol Biochem Behav** 1981 May;14(5):683-8

Caffeine potentiation of apomorphine discrimination. Schechter MD. **Pharmacol Biochem Behav** 1980 Aug; 13(2):307-9

Rapid acquisition of a two-drug discrimination: time of day effect upon saline state. Schechter MD. **Pharmacol Biochem Behav** 1981 Mar;14(3):269-71

Morphine effects upon discriminated approach and discriminated avoidance in rats: antagonism by naloxone. Babbini M, et al. **Psychopharmacology (Berlin)** 1980; 70(1):73-7

Anxiolytics antagonize yohimbine's discriminative stimulus properties. Browne RG. **Psychopharmacology (Berlin)** 1981; 74(3):245-9

Hallucinogenic agents as discriminative stimuli: a correlation with serotonin receptor affinities. Glennon RA, et al. **Psychopharmacology (Berlin)** 1980;68(2):155-8

Effects of morphine, d-amphetamine, and pentobarbital on shock and light discrimination performance in rats. Grilly DM, et al. **Psychopharmacology (Berlin)** 1980;70(2):213-7

Discriminative stimulus effects of pentobarbital in pigeons. Herling S, et al. **Psychopharmacology (Berlin)** 1980; 71(1):21-8

Similarity of the discriminative stimulus effects of ketamine, cyclazocine, and dextrorphan in the pigeon. Herling S, et al. **Psychopharmacology (Berlin)** 1981;73(3):286-91

delta 9-THC as a discriminative stimulus in rats and pigeons: generalization to THC metabolites and SP-111. Järbe TU, et al. **Psychopharmacology (Berlin)** 1980;71(3):281-9

Discriminative response control by naloxone in morphine pretreated rats. Miksic S, et al. **Psychopharmacology (Berlin)** 1981;72(2):179-84

'Go here-to there' performance after amphetamine: the importance of the response requirement in successive discrimination. Ridley RM, et al. **Psychopharmacology (Berlin)** 1980;69(3):271-3

The effects of electroconvulsive shock on the discriminative stimulus properties of d-amphetamine and apomorphine: evidence for dopamine receptor alteration subsequent ECS. White DK, et al. **Psychopharmacology (Berlin)** 1981; 73(3):211-4

Effects of the phenethylamine derivatives, BL-3912, fenfluramine, and Sch-12679, in rats trained with LSD as a discriminative stimulus. Winter JC. **Psychopharmacology (Berlin)** 1980;68(2):159-62

Drug-induced stimulus control and the concept of breaking point: LSD and quipazine. Winter JC. **Psychopharmacology (Berlin)** 1981;72(2):217-8

PHYSIOLOGY

Avoidance responding in dogs trained in symmetrical or asymmetrical go, no-go differentiation. Kowalska DM, et al. **Acta Neurobiol Exp (Warsz)** 1980;40(1):403-32

Interocular transfer of two visual discriminations in hooded and albino rats. Mohn G, et al. **Behav Brain Res** 1980 Dec; 1(6):533-42

Loss of object discrimination after ablation of the superior colliculus-pretectum in binocularly deprived cats. Zablocka T, et al. **Behav Brain Res** 1980 Dec;1(6):521-31

Behavioral differences in young and aged mice: strain differences for activity measures, operant learning, sensory discrimination, and alcohol preference. Goodrick CL. **Exp Aging Res** 1975 Nov;1(2):191-207

Some features of binocular fixation during object discrimination and recognition. Polezhaev EF, et al. **Hum Physiol** 1980 May-Jun;6(3):205-8

Pretectum and superior colliculus in object vs pattern discrimination in the monkey. Cardu B, et al. **Neuropsychologia** 1980;18(4-5):559-68

Inferotemporal cortex and categorical perception of visual stimuli by monkeys. Wilson M, et al. **Neuropsychologia** 1981;19(1):29-41

Evoked brain potentials and errors of perception. Ivanitskii AM, et al. **Neurosci Behav Physiol** 1980 Sep-Oct; 10(5):421-9

Behavioral treatment of chronic pain: the spouse as a discriminative cue for pain behavior. Block AR, et al. **Pain** 1980 Oct;9(2):243-52

Morphine dependence in rats assessed in a shock discrimination task. Grilly DM, et al. **Psychopharmacology (Berlin)** 1981;74(3):250-5

[Participation of the callosal system in the process of signal discrimination from noise] Bianki VL, et al. **Fiziol Zh SSSR** 1980 Nov;66(11):1617-25 **(Rus)**

[Relationships between positive conditioned reflexes and differentiations during the development of experimental neuroses and their elimination in baboons] Dzhalagoniia ShL. **Zh Vyssh Nerv Deiat** 1980 Sep-Oct;30(5):1048-50 **(Rus)**

[Dynamics of slow human cerebral cortical electrical activity and perceptual errors] Ivanitskii AM, et al. **Zh Vyssh Nerv Deiat** 1980 May-Jun;30(3):602-5 **(Rus)**

[Differentiation of the intensity of photic stimuli in chickens] Polivannaia MF, et al. **Zh Vyssh Nerv Deiat** 1980 Jul-Aug; 30(4):755-60 (Eng. Abstr.) **(Rus)**

PREKALLIKREIN see under **KALLIKREIN**

PRELEUKEMIA

BLOOD

Myelodysplastic syndrome. Clinical and prognostic significance of monocyte count, degree of blastic infiltration, and ring sideroblasts. Economopoulos T, et al. **Acta Haematol (Basel)** 1981;65(2):97-102

Platelet function in preleukaemia. Lintula R, et al. **Scand J Haematol** 1981 Jan;26(1):65-71

[Preleukemic conditions (author's transl)] Delwiche F, et al. **Rev Med Brux** 1981 Mar;2(3):199-206 (Eng. Abstr.) **(Fre)**

CLASSIFICATION

[Anemia with high blood serum iron level] Kurzawa M. **Wiad Lek** 1980 Jul 1;33(13):1051-3 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Acute nonlymphocytic leukemia, preleukemia, and acute myeloproliferative syndrome secondary to treatment of other malignant diseases. Clinical and cytogenetic characteristics and results of in vitro culture of bone marrow and HLA typing. Pedersen-Bjergaard J, et al. **Blood** 1981 Apr;57(4):712-23

DIAGNOSIS

Secondary hematological changes mimicking the preleukemic syndrome. Report of two cases. Hast R, et al. **Acta Med Scand** 1981;209(6):521-3

Thrombocytopenia and decreased megakaryocytes [letter] Subramanian VP. **Ann Intern Med** 1981 May;94(5):711

Preleukemic states in children with acute lymphoblastic leukemia. Sills RH, et al. **Cancer** 1981 Jul 1;48(1):110-2

Preleukemia in children. Blank J, et al. **J Pediatr** 1981 Apr; 98(4):565-8

Clinical conferences at the Johns Hopkins Hospital. Preleukemia. **Johns Hopkins Med J** 1981 May;148(5):200-4

Acute myeloblastic leukemia following non-Hodgkin lymphoma in an adolescent. A report of a case with preleukemic syndrome, and review of the literature. Kaur P, et al. **Med Pediatr Oncol** 1981;9(1):69-80 (43 ref.)

[Pre-leukemic stage--a report of 23 cases (author's transl)] **Chung Hua Nei Ko Tsa Chih** 1979;18(4):273-6 **(Chi)**

[The preleukemic syndrome. Aspects of the problem and consideration of 5 cases] Fernandes D. **Minerva Med** 1980 Sep 8;71(32):2299-309 (49 ref.) (Eng. Abstr.) **(Ita)**

[Preleukemic states] Uchino H. **Rinsho Ketsueki** 1980 Aug; 21(8):1075-83 **(Jpn)**

DRUG THERAPY

Mechanisms of glucocorticosteroid activity in patients with the preleukemic syndrome (hemopoietic dysplasia). Bagby GC Jr. **Leuk Res** 1980;4(6):571-80

FAMILIAL & GENETIC

Studies on human preleukaemia. III: Chromosomal abnormalities in aregenerative anaemia with hypercellular bone marrow. Granberg-Ohman I, et al. **Haematologica (Pavia)** 1980 Aug;65(4):421-26

Chromosomal studies of leukemic and preleukemic Fanconii's anemia patients: examples of acquired 'chromosomal amplification.' Berger R, et al. **Hum Genet** 1980;56(1):59-62

Chromosomes and prognosis in preleukaemia: four cases of 5q-- with other karyotypic abnormality. Swansbury GJ, et al. **Leuk Res** 1980;4(6):611-8

Trisomy 21 in bone marrow cells of a patient with a prolonged preleukemic phase. Sikand GS, et al. **Med Pediatr Oncol** 1980;8(3):237-42

Chromosomal changes associated with premalignancy and cancer. Cervenka J. **Results Probl Cell Differ** 1980; 11:93-101

IMMUNOLOGY

Specific antibodies to viruses HL-23 and BILN in the blood plasma of patients with acute myelogenous leukaemia and with potential preleukaemia. Tóth FD, et al.
Acta Microbiol Acad Sci Hung 1980;27(2):147-53

H-21-linked control of immunological resistance to viral leukemogenesis as a response to preleukemic cells. Lonai P, et al. **Immunogenetics** 1981 Mar 1;12(5-6):423-32

Mechanisms in T cell leukemogenesis. II. T cell responses of preleukemic BALB/c mice to Moloney leukemia virus antigens. Lee JC, et al. **J Immunol** 1981 Feb;126(2):715-22

[Suppression of bone marrow colony-forming capacity by syngeneic T-lymphocytes in AKR strain mice with lymphoblastic leukemia] Chekanova IuI, et al.
Biull Eksp Biol Med 1980 Dec;90(12):717-9 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Studies on antigens of C-type primate viruses and antibodies to them at patients with myeloid leukemia and potentially preleukemic hematological disorders. Váczi L, et al.
Arch Geschwulstforsch 1980;50(8):769-77

Murine leukemia virus env-gene expression in preleukemic thymocytes and leukemia cells of AKR strain mice. Famuiari NG, et al.
Cold Spring Harbor Symp Quant Biol 1980;44(Pt 2):1281-7

Novel leukaemogenic retroviruses isolated from cell line derived from spontaneous AKR tumour. Pedersen FS, et al. **Nature** 1981 Jul 9;292(5819):167-70

PATHOLOGY

The preleukemic syndrome. II. Cytogenetic findings. Geraedts JP, et al. **Acta Med Scand** 1980;207(6):447-54

Studies on hemopoietic dysplasia (the preleukemic syndrome). Clinical course and prognostic factors in 42 patients with dysplastic bone marrow. Lidbeck J.
Acta Med Scand 1980;208(6):459-62

A case of progressive multifocal leukoencephalopathy in preleukemic syndrome. Allegranza A, et al.
Acta Neuropathol [Suppl] (Berl) 1981;7:192-5

Increased bone marrow mast cells in preleukemic syndromes, acute leukemia, and lymphoproliferative disorders. Prokocimer M, et al. **Am J Clin Pathol** 1981 Jan;75(1):34-8

Preleukemic cells and radiation-induced thymoma. Maisin JR, et al. **Biomedicine [Express]** 1980 Apr;33(2):47-9

L-Ethionine as an inducer of differentiation in human promyelocytic leukemia cells (HL-60). Mendelsohn N, et al. **Cancer Res** 1980 Sep;40(9):3206-10

Growth of granulopoietic bone marrow cells of RF mice. Horland AA, et al. **Exp Hematol** 1980 Sep;8(8):1024-30

Chronic granulocytic aplasia with partial blastic bone marrow involvement. Demonstration of myeloid origin of the blasts by ultrastructural detection of myeloperoxidase. A study of three cases. Marie JP, et al. **Leuk Res** 1980; 4(5):399-407

The distribution of marrow granulopoietic progenitors among patients with preleukemia. Senn JS, et al.
Leuk Res 1980;4(5):409-13

In vitro colony and cluster growth in haemopoietic dysplasia (the preleukaemic syndrome). II. Identification of a maturation defect in agar cultures. Lidbeck J.
Scand J Haematol 1980 Aug;25(2):113-23

Myeloid dysplasia (MD): a hematological disorder preceding acute and chronic myeloid leukemia. A morphological study on sequential core biopsies of the bone marrow in 27 patients. Thiele J, et al.
Virchows Arch [Pathol Anat] 1980;389(3):343-67

[Bone marrow culture in aplastic anemia and preleukemias] Konwalinka G, et al. **Acta Med Austriaca** 1979;6(5):219-22 (Eng. Abstr.) **(Ger)**

[A case of acute myelomonocytic leukemia with myeloid metaplasia showing I. T. P. like symptoms in preleukemic stage (author's transl)] Kita K, et al. **Rinsho Ketsueki** 1980 Aug;21(8):1217-25 (Eng. Abstr.) **(Jpn)**

[Granuiopoiesis in various hemopathies. Culture of bone marrow in agar] Bianchi de Di Risio CC, et al.
Medicina (B Aires) 1980 Mar-Apr;40(2):203-11 **(Spa)**

PHYSIOPATHOLOGY

[Evaluation of the proliferative activity of hematopoietic cells in preleukemic syndromes] Carnevali C, et al.
Ateneo Parmense [Acta Biomed] 1980;51(3):181-5 (Eng. Abstr.) **(Ita)**

[Preleukemic states in infancy: discussion of 3 cases] Pizzi E, et al. **Minerva Pediatr** 1980 Jul 15;32(13):831-6 (Eng. Abstr.) **(Ita)**

[Interrelationship between preleukemic dyserythropoiesis and erythromyelosis] Degtiareva MM. **Ter Arkh** 1980; 52(9):23-7 (Eng. Abstr.) **(Rus)**

PREMARIN see under **ESTROGENIC SUBSTANCES, CONJUGATED**

PREMARITAL EXAMINATIONS

[Estimation of the benefit of premarital screening for cancer of the cervix] Junod B, et al.
Rev Epidemiol Sante Publique 1980;28(2):267-9 **(Fre)**

ECONOMICS

Repeal of mandated premarital tests for syphilis: a survey of state health officers. Felman YM.
Am J Public Health 1981 Feb;71(2):155-9

Premarital syphilis screening: weighing the benefits. Kingon RJ, et al. **Am J Public Health** 1981 Feb;71(2):160-1

PREMEDICATION

see related

PREANESTHETIC MEDICATION

Prophylactic trials in colon surgery with special regard to bowel preparation. Burdon DW, et al.
Aktuel Probl Chir Orthop 1981;19:97-100

Antibiotic prophylaxis: routes of administration. Burdon DW.
Aktuel Probl Chir Orthop 1981;19:66-9

Antibiotic prophylaxis in aseptic surgery--indicated or not? Cruse P. **Aktuel Probl Chir Orthop** 1981;19:57-8

Antibiotic prophylaxis in gastric, biliary and appendix surgery. Donovan IA. **Aktuel Probl Chir Orthop** 1981; 19:83-6

The significance of antibiotic activity in the surgical wound in systemic antibiotic prophylaxis. Fry DE, et al.
Aktuel Probl Chir Orthop 1981;19:47-50

The use of cefoxitin in systemic antibiotic prophylaxis. Fry DE, et al. **Aktuel Probl Chir Orthop** 1981;19:77-81

Antibiotic prophylaxis: possibilities and limitations in clinical application. Galland RB. **Aktuel Probl Chir Orthop** 1981; 19:52-6

Oral anti-microbial prophylaxis in colonic surgery. Goldring JR, et al. **Aktuel Probl Chir Orthop** 1981;19:101-4

Single dose peroperative antibiotic prophylaxis in gastro-intestinal surgery. Griffiths DA, et al.
Aktuel Probl Chir Orthop 1981;19:70

Topical or oral antibiotics against wound infection in colorectal surgery. Ostergaard AH, et al.
Aktuel Probl Chir Orthop 1981;19:105-7

Systemic antibiotic prophylaxis in surgery. Plaut ME.
Aktuel Probl Chir Orthop 1981;19:62-5

Pharmacokinetics and tissue fluid penetration: the relevance to elective surgical prophylaxis. Wise R.
Aktuel Probl Chir Orthop 1981;19:15-20

The effect of acetyl-salicylic-acid pretreatment on re-formed aqueous humor. A study of intracapsular lens extraction in the human eye. Grabner G, et al.
Albrecht Von Graefes Arch Klin Exp Ophthalmol 1980; 214(1):61-7

Antimicrobial prophylaxis in surgery: Part 1. DiPiro JT, et al. **Am J Hosp Pharm** 1981 Mar;38(3):320-34 (161 ref.)

Prophylactic antibiotics in first-trimester abortions: a clinical, controlled trial. Sonne-Holm S, et al.
Am J Obstet Gynecol 1981 Mar 15;139(6):693-6

Infection complicating cholecystectomy. Lowrey L, et al.
Am Surg 1980 Jul;46(7):386-90

Preoperative cimetidine--effects on gastric fluid. Barnes PJ, et al. **Anaesth Intensive Care** 1980 Nov;8(4):464-8

The role of atropine in electroconvulsive therapy. Wyant GM, et al. **Anaesth Intensive Care** 1980 Nov;8(4):445-50

The prevention of hypertension at intubation. A controlled study of intravenous hydrallazine on patients undergoing intracranial surgery. Davies MJ, et al. **Anaesthesia** 1981 Feb;36(2):147-51

Cimetidine in elective Caesarean section. Effect on gastric acidity. McCaughey W, et al. **Anaesthesia** 1981 Feb; 36(2):167-72

Metoprolol in anaesthesia for oral surgery. The effect of pretreatment on the incidence of cardiac dysrhythmias. Whitehead MH, et al. **Anaesthesia** 1980 Aug;35(8):779-82

Rectal methohexital premedication in children, a dose-comparison study. Liu LM, et al. **Anesthesiology** 1980 Oct;53(4):343-5

Prophylactic antibiotics in Caesarean section: effect of a short preoperative course of benzyl penicillin or clindamycin plus gentamicin on postoperative infectious morbidity. Rehu M, et al. **Ann Clin Res** 1980 Apr;12(2):45-8

Chemoprophylaxis for surgery of the head and neck. Becker GD. **Ann Otol Rhinol Laryngol [Suppl]** 1981 May-Jun;90(3 Pt 3 Suppl 84):8-12

Perioperative steroid supplements [letter]
Ann R Coll Surg Engl 1981 May;63(3):216-7

A rational regimen for perioperative steroid supplements and a clinical assessment of the requirement. Lloyd EL.
Ann R Coll Surg Engl 1981 Jan;63(1):54-7

Antibiotic prophylaxis with cefoxitin in colorectal surgery: effect on the colon microflora and septic complications--a clinical model for prediction of the benefit and risks in using a new antibiotic in prophylaxis. Kager L, et al.
Ann Surg 1981 Mar;193(3):277-82

Prevention of wound infection in elective colorectal resections by preoperative cephazolin with and without metronidazole. McDermott FT, et al. **Aust NZ J Surg** 1981 Aug;51(4):351-3

The role of routine antibiotic in the prevention of wound infection after surgery. Rasul G, et al.
Bangladesh Med Res Counc Bull 1979 Dec;5(2):71-4

Reduction of post-suxamethonium pain by pretreatment with four non-depolarizing agents. Bennetts FE, et al.
Br J Anaesth 1981 May;53(5):531-6

Sedation for upper gastro-intestinal endoscopy. A comparison of oral temazepam and i.v. diazepam. Douglas JG, et al. **Br J Anaesth** 1980 Aug;52(8):811-5

Thiopentone-nitrous oxide-halothane anaesthesia and suxamethonium: pretreatment with pancuronium and gallamine. Jørgensen BC, et al. **Br J Anaesth** 1980 Dec; 52(12):1277-81

Buprenorphine for postoperative analgesia [letter] Sear JW, et al. **Br J Anaesth** 1979 Jan;51(1):71

Cardiac effects of atropine and gallamine in patients receiving suxamethonium. Viby-Mogensen J, et al. **Br J Anaesth** 1980 Nov;52(11):1137-42

Outpatient flexible fibreoptic sigmoidoscopy, diagnostic yield and the value of glucagon. Foster GE, et al. **Br J Surg** 1981 Jul;68(7):463-4

Single dose intra-rectal metronidazole as prophylaxis against wound infection following emergency appendicectomy. Tanner WA, et al. **Br J Surg** 1980 Nov;67(11):809-10

Pre-operative bladder irrigation with povidone-iodine. Merimsky E, et al. **Br J Urol** 1981 Aug;53(4):330-2

Short-term antibiotic prophylaxis and prostatectomy. Shah PJ, et al. **Br J Urol** 1981 Aug;53(4):339-43

Antibiotics in surgical treatment of acute abscesses [letter] Murie J. **Br Med J** 1980 Aug 9;281(6237):455

Antibiotics in surgical treatment of acute abscesses [letter] Wilson DH. **Br Med J** 1980 Oct 18;281(6247):1071-2

Modification of the effect of fiberoptic bronchoscopy on pulmonary mechanics. Belen J, et al. **Chest** 1981 May; 79(5):516-9

Teh response to atropine sulfate given by aerosol and intramuscular routes to patients undergoing fiberoptic bronchoscopy. Zavala DC, et al. **Chest** 1981 May; 79(5):512-5

Assessment of the morbidity and value of prophylactic cephazolin sodium in urinary tract instrumentation in out-patients. Hart AJ, et al. **Curr Med Res Opin** 1980; 6(10):658-62

The use of rociverine as premedication for endoscopy of the upper gastro-intestinal tract: a double-blind controlled clinical trial. Petrillo M, et al. **Curr Med Res Opin** 1980; 7(2):73-6

Influence of an antiarrhythmic premedication on the development of premature ventricular contractions during fiberoptic gastroduodenoscopy. Pristautz H, et al.
Endoscopy 1981 Mar;13(2):57-9

The effect of a short-term course of antibiotic prophylaxis on patients undergoing total abdominal hysterectomy. Itskovitz J, et al. **Eur J Obstet Gynaecol Reprod Biol** 1980 Oct;11(2):101-7

Determinants of the intravenous diazepam dose required for gastroscopy. Longstreth GFU, et al.
Gastrointest Endosc 1980 Aug;26(3):92-4

Prophylaxis of infective endocarditis during colonoscopy: report of a survey. Meyer GW. **Gastrointest Endosc** 1981 May;27(2):58-9

Prophylaxis in surgery. Burdon DW.
J Antimicrob Chemother 1981 Jun;7 Suppl A:19-25 (21 ref.)

Antibiotic prophylaxis in surgery for head and neck cancer. Comparative study of short and prolonged administration of carbenicillin. Mombelli G, et al.
J Antimicrob Chemother 1981 Jun;7(6):665-71

Systemic antibiotic prophylaxis in surgery. Solberg CO.
J Antimicrob Chemother 1980 Jul;6(4):427-30

Infiltration with lignocaine and adrenaline in adult tonsillectomy. Boliston TA, et al. **J Laryngol Otol** 1980 Nov;94(11):1257-9

Intravenous conscious sedation in the periodontal patient. Hillman JD, et al. **J Periodontol** 1981 Jan;52(1):24-9

Importance of adding neomycin to metronidazole for bowel preparation. Vallance S, et al. **J R Soc Med** 1980 Apr; 73(4):238-40

Prophylactic antibiotics in transurethral prostatectomy. Nielsen OS, et al. **J Urol** 1981 Jul;126(1):60-2

Preparation for endoscopy [letter] Nelis GF. **Lancet** 1980 Oct 18;2(8199):861-2

Patients appreciate premedication for endoscopy. Thompson DG, et al. **Lancet** 1980 Aug 30;2(8192):469-70

Evaluation of cephradine-chemoprophylaxis in Cesarean section. Papaloucas A, et al.
Methods Find Exp Clin Pharmacol 1981 Jan-Feb;3(1):29-32

Preparation for upper gastrointestinal endoscopy; controlled comparison of three regimens. Nelis GF. **Neth J Med** 1980; 23(5):191-2

Rationale for prophylactic antibiotics and neurosurgery. Savitz MH, et al. **Neurosurgery** 1981 Aug;9(2):142-4

The prophylactic use of metronidazole in caesarean section. McCowan L, et al. **NZ Med J** 1980 Aug 27;92(666):153-5

Cefoxitin for prophylaxis in premenopausal women undergoing vaginal hysterectomy. Hemsell DL, et al.
Obstet Gynecol 1980 Nov;56(5):629-34

Biochemical changes in neurosurgical patients under critical care treated with mannitol. Bracali AM, et al.
Resuscitation 1980 Jun;8(2):95-100

Effect of tinidazole on postoperative complications after surgical removal of impacted mandibular third molars. Bystedt H, et al. **Scand J Infect Dis [Suppl]** 1981;26:135-9

Systemic prophylaxis in colorectal surgery a comparison between tinidazole and doxycycline. Höjer H, et al.
Scand J Infect Dis [Suppl] 1981;26:75-8

Effect of tinidazole prophylaxis on the normal microflora in patients undergoing colorectal surgery. Kager L, et al.
Scand J Infect Dis [Suppl] 1981;26:84-91

A comparative study of the prophylactic effect of one dose and two dose intravenous metronidazole therapy in gynaecological surgery. Khan MS, et al.
Scand J Infect Dis [Suppl] 1981;26:115-7

Investigation of the prophylactic effect of tinidazole on the postoperative infection rate of patients undergoing vacuum aspiration. Krohn K. **Scand J Infect Dis [Suppl]** 1981; 26:101–3

Whole gut irrigation with saline, tinidazole and colistin before colorectal operations. Raahave D, et al. **Scand J Infect Dis [Suppl]** 1981;26:79–83

Effect of metronidazole and ampicillin on patients with gangrenous or perforated appendicitis. A comparative study. Roland M, et al. **Scand J Infect Dis [Suppl]** 1981; 26:92–5

A clinical double-blind study on the effect of prophylactically administered single dose tinidazole on the occurrence of endometritis after first trimester legal abortion. Weström L, et al. **Scand J Infect Dis [Suppl]** 1981; 26:104–9

The role of nitroimidazole derivates in bacterial infections–metronidazole prophylaxis in appendectomy. Willis AT. **Scand J Infect Dis [Suppl]** 1981;26:24–30

Single dose carbenicillin versus T-tube drainage in patients undergoing vaginal hysterectomy. Galle PC, et al. **Surg Gynecol Obstet** 1981 Sep;153(3):351–2

[Preventive administration of antibiotics in gynecologic and obstetrical surgery] Sikl O, et al. **Cesk Gynekol** 1981 Jul; 46(6):460–2 **(Cze)**

[Administration of tiapride to patients with a history of alcohol and tobacco consumption, before, during, and after operation. Study of thirty cases (author's transl)] Guetat M, et al. **Ann Chir** 1981;35(2):121–3 (Eng. Abstr.) **(Fre)**

[Topical indomethacin before cataract surgery without implantation – Ineffectiveness of a single dose administration (author's transl)] Béchetoille A, et al. **J Fr Ophtalmol** 1980;3(6–7):383–7 (Eng. Abstr.) **(Fre)**

[Clinical trial of Cefacidal in preparing the colon for surgery] Stoppa R, et al. **Med Chir Dig** 1981;10(3):267–71 **(Fre)**

[Value of Pinaverium bromide in preparing patients undergoing double contrast barium enema. A double-blind study] Teste Y. **Med Chir Dig** 1980;9(6):529–31 **(Fre)**

[What good are antibiotics? Apropos of the alleged preventive role of antibiotic therapy in the installation of total hip prostheses (letter)] Coudane H, et al. **Nouv Presse Med** 1981 Jan 17;10(2):108 **(Fre)**

[Value of high dosage propranolol and per-operative hypothermia in thyroidectomy when conventional preparatory treatment is unsuitable (author's transl)] Mellière D, et al. **Nouv Presse Med** 1980 May 10; 9(21):1497–500 (Eng. Abstr.) **(Fre)**

[Parietal complications of cholecystectomy : results of prophylactic antibiotic therapy with cefazoline (author's transl)] Mourot N, et al. **Sem Hop Paris** 1981 May 8–15; 57(17–18):909–11 (Eng. Abstr.) **(Fre)**

[Treatment of urinary tract infections after prostatectomy] Csata S, et al. **Acta Chir Acad Sci Hung** 1979;20(4):375–84 (Eng. Abstr.) **(Ger)**

[General guidelines for the use of antibiotic prophylaxis in surgery] **Aktuel Probl Chir Orthop** 1981;19:120–2 **(Ger)**

[Selection of appropriate antibiotics for elective surgery] Adam D. **Aktuel Probl Chir Orthop** 1981;19:25–30 **(Ger)**

[Antibiotic prophylaxis in elective colon surgery: results of a randomized and controlled double-blind study with cefazolin] Dürig M, et al. **Aktuel Probl Chir Orthop** 1981; 19:108–13 **(Ger)**

[Antibiotics — therapy or prophylaxis?] Gierhake FW. **Aktuel Probl Chir Orthop** 1981;19:59–61 **(Ger)**

[Length of antibiotic preparation for surgery of the large intestine] Kottmann F, et al. **Aktuel Probl Chir Orthop** 1981; 19:114–8 **(Ger)**

[Individual indication for antibiotic prophylaxis] Wysocki S. **Aktuel Probl Chir Orthop** 1981;19:93–67 **(Ger)**

[Microbiological surveillance in patients treated by bone marrow transplantation (author's transl)] Haralambie E, et al. **Immun Infekt** 1980;8(3):89–95 (Eng. Abstr.) **(Ger)**

[Administration of anxiolit retard before strumectomy (author's transl)] Lexer G, et al. **Wien Med Wochenschr** 1980;130(24):803–5 (Eng. Abstr.) **(Ger)**

[Use of tempalgin in premedication in stomatological interventions] Ganina SS, et al. **Stomatologiia (Mosk)** 1981 May–Apr;60(2):36–8 (Eng. Abstr.) **(Rus)**

[Changes in the ecology of infectious organisms and problems with antimicrobial therapy in surgery] Fališevac J. **Acta Chir Iugosl** 1980;27 Suppl 1:27–31 (Eng. Abstr.) **(Scr)**

[Chemoprophylaxis in surgery of the large intestine] Velikonja T. **Acta Chir Iugosl** 1980;27 Suppl 1:203–5 **(Slv)**

[Different steroid premedication regimens in the collection of granulocytes with discontinuous flow centrifugation (author's transl)] González MA, et al. **Sangre (Barc)** 1981; 26(1):33–7 (Eng. Abstr.) **(Spa)**

[Prophylactic use of antibiotics in biliary tract and stomach surgery (author's transl)] Sayek I, et al. **Mikrobiyol Bul** 1979 Oct;13(4):364–70 (Eng. Abstr.) **(Tur)**

ADVERSE EFFECTS

Short-term adverse effects of antibiotic prophylaxis for open-heart surgery. Freeman R. **Thorax** 1980 Dec; 35(12):941–4

METHODS

[Preoperative prophylactic antibiotics reduce septic complications of colorectal operations (authors' translation)] Hancke E, et al. **Langenbecks Arch Chir** 1980; 353(1):71–4 (Eng. Abstr.) **(Ger)**

[Reflex reactions of children undergoing pharmacotherapuetic preparation] Smoliar NI, et al. **Stomatologiia (Mosk)** 1980 Sep–Oct;59(5):58–60 (Eng. Abstr.) **(Rus)**

VETERINARY

[Effect of ketamine hydrochloride–halothane–oxygen anesthesia on respiration, blood gases and acid–base status of the rabbit] Bonath K, et al. **Berl Muench Tieraerztl Wochenschr** 1980 Dec 1; 93(23):462–8 (Eng. Abstr.) **(Ger)**

PREMENSTRUAL TENSION

Premenstrual syndrome. Reid RL, et al. **Am J Obstet Gynecol** 1981 Jan;139(1):85–104 (305 ref.)

Premenstrual syndrome: an ancient woe deserving of modern scrutiny [news] González ER. **JAMA** 1981 Apr 10; 245(14):1393–6

BLOOD

Correlations between progesterone, oestradiol and aldosterone levels in the premenstrual syndrome. Munday MR, et al. **Clin Endocrinol (Oxf)** 1981 Jan;14(1):1–9

Effect of menstrual stress on serum lipid levels. Choksi SA, et al. **Experientia** 1981 Jan 15;37(1):58–9

[Premenstrual syndrome and hyperprolactinemia] Tolino A, et al. **Minerva Ginecol** 1981 Feb–Mar;33(2–3):239–42 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Premenstrual tension syndrome: the development of research diagnostic criteria and new rating scales. Steiner M, et al. **Acta Psychiatr Scand** 1980 Aug;62(2):177–90

Premenstrual syndrome [letter] Dalton K. **Br J Psychiatry** 1980 Aug;137:199

Progesterone, fluid, and electrolytes in premenstrual syndrome [letter] Clare AW. **Br Med J** 1980 Sep 20; 281(6243):810–1

DRUG THERAPY

The treatment of premenstrual symptoms with mefenamic acid. Wood C, et al. **Br J Obstet Gynaecol** 1980 Jul; 87(7):627–30

Progesterone, fluid, and electrolytes in premenstrual syndrome [letter] Dalton K. **Br Med J** 1980 Jul 5; 281(6232):61

Progesterone, fluid, and electrolytes in premenstrual syndrome [letter] Dalton K. **Br Med J** 1980 Oct 11; 281(6246):1008–9

Progesterone, fluid, and electrolytes in premenstrual syndrome [letter] Martin AJ, et al. **Br Med J** 1980 Aug 23;281(6239):562–3

Progesterone, fluid, and electrolytes in premenstrual syndrome [letter] Sampson G. **Br Med J** 1980 Jul 19; 281(6234):227–8

Even oral progesterone may be effective [news] González ER. **JAMA** 1981 Apr 10;245(14):1394

Bromocriptine in the treatment of premenstrual tension syndrome. Elsner CW, et al. **Obstet Gynecol** 1980 Dec; 56(6):723–6

Premenstrual syndrome and atopy: a double-blind clinical evaluation of treatment with a gamma-globulin/histamine complex. Atton-Chamla A, et al. **Pharmatherapeutica** 1980; 2(7):481–6

Dydrogesterone in the treatment of the premenstrual syndrome. Kerr GD, et al. **Practitioner** 1980 Aug; 224(1346):852–5

[Further observations on the treatment of premenstrual syndromes associated with dysmenorrhea, using 6-dehydro-retro-progesterone] Romanini C, et al. **Ann Ostet Ginecol Med Perinat** 1979 Jul–Aug; 100(4):250–65 (Eng. Abstr.) **(Ita)**

[Premenstrual syndrome and bromocriptine] Tolino A, et al. **Riv Ital Ginecol** 1977 Sep–Oct;58(5):379–83 (Eng. Abstr.) **(Ita)**

OCCURRENCE

Distress associated with menstruation among Israeli women. Most AF, et al. **Int J Nurs Stud** 1981;18(1):61–71

PHYSIOPATHOLOGY

Persistence of symptoms of premenstrual tension in hysterectomized women. Bäckström CT, et al. **Br J Obstet Gynaecol** 1981 May;88(5):530–6

PSYCHOLOGY

Pre-menstrual tension and mood change. Blank AM, et al. **Can J Psychiatry** 1980 Nov;25(7):577–85 (40 ref.)

The premenstrual syndrome. A psychological evaluation. Watts S, et al. **J Affective Disord** 1980 Dec;2(4):257–66

Menstrual symptoms: a social cognition analysis. Ruble DN, et al. **J Behav Med** 1979 Jun;2(2):171–94

Cyclical criminal acts in premenstrual syndrome. Dalton K. **Lancet** 1980 Nov 15;2(8203):1070–1

The chronopathology of premenstrual psychopathology. Hoes MJ. **Med Hypotheses** 1980 Oct;6(10):1063–75 (54 ref.)

Personality and menstruation. Awaritefe A, et al. **Psychosom Med** 1980 Mar;42(2):237–51

PREMOLAR see BICUSPID

PRENATAL CARE

see related PERINATOLOGY

Research design. Lechtig A. **Am J Clin Nutr** 1981 Apr; 34(Suppl 4):814–7

Prenatal nutrition, birthweight, and psychological development: an overview of experiments, quasi-experiments, and natural experiments in the past decade. Susser M. **Am J Clin Nutr** 1981 Apr;34(Suppl 4):784–803

Nutritional supplementation, maternal education, and cognitive development of infants at risk of malnutrition. Waber DP, et al. **Am J Clin Nutr** 1981 Apr;34(Suppl 4):807–13

Analysis of interrupted time series mortality trends: an example to evaluate regionalized perinatal care. Gillings D, et al. **Am J Public Health** 1981 Jan;71(1):38–46

The regionalization of perinatal care. McCormick MC. **Am J Public Health** 1981 Jun;71(6):571–2

Prenatal care and pregnancy outcome in an HMO and general population: a multivariate cohort analysis. Quick JD, et al. **Am J Public Health** 1981 Apr;71(4):381–90

Poor antenatal attendance and obstetric performance. Keeping JD, et al. **Aust NZ J Obstet Gynaecol** 1980 Aug; 20(3):139–43

The merits of special antenatal care for twin pregnancies. O'Connor MC, et al. **Br J Obstet Gynaecol** 1981 Mar; 88(3):222–30

Perinatal practice and compensation for handicap [letter] **Br Med J** 1980 Oct 18;281(6247):1067–8

When do pregnant women attend for antenatal care? [letter] Chamberlain G. **Br Med J** 1980 Aug 16;281(6238):515

When do pregnant women attend for antenatal care? Simpson H, et al. **Br Med J** 1980 Jul 12;281(6233):104–7

Microcomputers in antenatal care: a feasibility study on the booking interview. Lilford RJ, et al. **Br Med J [Clin Res]** 1981 Aug 22;283(6290):533–6

Antenatal care as practised by Yoruba traditional healers/midwives of Nigeria. Oyebola DD. **East Afr Med J** 1980 Sep;57(9):615–25

Pattern of care during pregnancy and lactation in Sunderpur (An urban slum area of Varanasi). Agarwal DK, et al. **Indian J Public Health** 1980 Apr–Jun;24(2):82–7

Impact of special care services on perinatal and neonatal outcome. Singh M, et al. **Indian Pediatr** 1980 Mar; 17(3):255–60

Perinatal care by traditional healer-midwives of Nigeria. Oyebola DD. **Int J Gynaecol Obstet** 1980;18(4):295–9

Influence of ante-natal classes on primagravid pregnancy and labour. Ryan A, et al. **Ir Med J** 1981 Mar;74(3):87–8

Preparation of parents for birthing and infant care. Pridham KF, et al. **J Fam Pract** 1981 Aug;13(2):181–8

Regional perinatal care: Kansas/1979. Evans JF, et al. **J Kans Med Soc** 1980 Sep;81(9):409–12, 416

A multiphasic prenatal program to improve the pregnancy outcome in high risk patients in a United States city. Lippes J, et al. **J Perinat Med** 1981;9 Suppl 1:151–2

Re-examination of antenatal care [letter] Wislicki L. **J R Soc Med** 1979 Feb;72(2):156

Participation: the key to learning for patients in antepartal clinics. Bonovich L. **JOGN Nurs** 1981 Mar–Apr;10(2):75–9

Nursing and regionalization of perinatal services. Hawkins MM. **JOGN Nurs** 1980 Jul–Aug;9(4):215–7

Nursing care of the pregnant woman with diabetes mellitus. Moore DS, et al. **JOGN Nurs** 1981 May–Jun;10(3):188–94

Childbirth education in 1980. Sasmor JL, et al. **JOGN Nurs** 1981 May–Jun;10(3):155–60

Pregnancy care for the 1980s [editorial] **Lancet** 1981 Sep 5; 2(8245):512

A case for the antenatal administration of anti-D immunoglobulin to primigravidae. Tovey LA, et al. **Lancet** 1981 Apr 18;1(8225):878–81

A controlled trial of prenatal nutritional supplementation. **Nutr Rev** 1980 Jun;38(6):210–2

Questioning conclusions on prenatal nutritional supplementation [letter] **Pediatrics** 1981 Jul;68(1):150–3

Impact of an education program on perinatal care practices. Harlan WR, et al. **Pediatrics** 1980 Dec;66(6):893–9

Controlled trial of prenatal nutrition supplementation defended [letter] Rush D, et al. **Pediatrics** 1980 Oct; 66(4):656–8

Pain relief in labour. The role of the physiotherapist. Marshall K. **Physiotherapy** 1981 Jan;67(1):8–11

Women's views and experiences of ante-natal care. O'Brien M, et al. **Practitioner** 1981 Feb;225(1352):123–5

Approaches to antenatal education. Katona CL. **Soc Sci Med [a]** 1981 Jan;15A(1):25–33

[Tasks of medical care in the pre- and perinatal periods in relation to demographic phenomena] Kovács A, et al. **Akush Ginekol (Sofiia)** 1980;19(5–6):473–5 **(Bul)**

[Twin pregnancy and twin birth, a retrospective (1970–1976) and prospective (1977–1978) study (author's transl)] Stucki D, et al. **Z Geburtshilfe Perinatol** 1980 Aug;184(4):235–47 (Eng. Abstr.) **(Ger)**

[Risks in intensive care of twin pregnancies (author's transl)] Goeschen K. **Zentralbl Gynaekol** 1980;102(18):1035–44

(Eng. Abstr.) (Ger)
[Perinatal mortality and obstetrical care] Balbi F, et al. **Minerva Ginecol** 1981 Feb-Mar;33(2-3):243-52 (Eng. Abstr.) (Ita)
[Health education in the prevention of prenatal and between-conception risk in pregnancy. Characteristics as affected by prenatal care services] Candeias NM. **Rev Saude Publica** 1980 Sep;14(3):320-32 (Eng. Abstr.) (Por)
[The place of antenatal and natal care in the regional health care service in Serbia] Jovanović R. **Srp Arh Celok Lek** 1979 Nov;107(11):657-63 (Scc)

ECONOMICS

Vaginal bleeding in early pregnancy [letter] Bignall JC, et al. **Br Med J** 1980 Sep 6;281(6241):679
Short shrift on perinatal care [editorial] **Lancet** 1980 Dec 13;2(8207):1285

METHODS

[Gravidogram of antenatal care (author's transl)] Westin B. **Zentralbl Gynaekol** 1980;102(5):257-71 (Eng. Abstr.) (Ger)

ORGANIZATION & ADMINISTRATION

[The organisation of perinatal care in a rural area. An enquiry into the Limousin Region (author's transl)] Gigonnet JM, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1979;8(7):575-81 (Eng. Abstr.) (Fre)

PSYCHOLOGY

Perception regarding need for ante-natal care among rural and urban women in Delhi. Murali I, et al. **Indian J Public Health** 1980 Apr-Jun;24(2):68-75
[Psychohygienic aspects of behavioural methods in preparation for childbirth (author's transl)] Ringler M. **Wien Med Wochenschr** 1981;131(8):199-203 (Eng. Abstr.) (Ger)

STANDARDS

An audit of antenatal care: the value of the first antenatal visit. Chng PK, et al. **Br Med J** 1980 Nov 1; 281(6249):1184-6
[Avoidable aspects of perinatal mortality; consequences for education and postgraduate education] Eskes TK, et al. **Ned Tijdschr Geneeskd** 1980 Oct 25;124(43):1811-4 (Eng. Abstr.) (Dut)
[Prematurity risk according to prematurity risk score and postpartal morbidity of the newborn infants (author's transl)] Coradello H, et al. **Z Geburtshilfe Perinatol** 1981 Feb;185(1):41-6 (Eng. Abstr.) (Ger)

TRENDS

Antenatal care and maternal demographic and social characteristics. Evolution in France between 1972 and 1976. Blondel B, et al. **J Epidemiol Community Health** 1980 Sep;34(3):157-63

PRENATAL DIAGNOSIS

Fetal Krabbe leukodystrophy. A morphologic study of two cases. Martin JJ, et al. **Acta Neuropathol (Berl)** 1981; 53(2):87-91
Abnormal leptomeninges and vessels causing fetal hydrocephalus: diagnosis of hydrocephalus at 19 weeks gestation by ultrasound. Norman MG, et al. **Acta Neuropathol (Berl)** 1981 Aug;54(4):283-5
The prognosis of multiple pregnancy assessed by ultrasonic tomography. Nakano H, et al. **Acta Obstet Gynaecol Jpn** 1981 Jun;33(6):839-43
Ultrasonic scanning and fetography at polyhydramnios. Skovbo P, et al. **Acta Obstet Gynecol Scand** 1981;60(1):51-4
Congenital chloride diarrhea: possibility for prenatal diagnosis. Hartikainen-Sorri AL, et al. **Acta Paediatr Scand** 1980 Nov;69(6):807-8
Prenatal diagnosis of congenital bleeding disorders. Holmberg L. **Acta Paediatr Scand** 1980 Nov;69(6):809-13 (33 ref.)
Sonography of fetal urinary tract anomalies. Hadlock FP, et al. **AJR** 1981 Aug;137(2):261-7
Intrauterine fetal cystic hygromas: sonographic detection. Phillips HE, et al. **AJR** 1981 Apr;136(4):799-802
Genetic implications of ultrasonographic detection of in utero cystic hygroma [letter] Rutledge J, et al. **Am J Dis Child** 1980 Oct;134(10):999-1000
Prevention of homozygous beta-thalassemia by carrier screening and prenatal diagnosis in Sardinia. Cao A, et al. **Am J Hum Genet** 1981 Jul;33(4):592-605
Prenatal diagnosis of argininosuccinic aciduria: effect of mycoplasma contamination on the indirect assay for argininosuccinate lyase. Fensom AH, et al. **Am J Hum Genet** 1980 Sep;32(5):761-3
Antenatal diagnosis of glutaric acidemia. Goodman SI, et al. **Am J Hum Genet** 1980 Sep;32(5):695-9
Population heterogeneity of the Hpa I restriction site associated with the beta globin gene: implications for prenatal diagnosis. Panny SR, et al. **Am J Hum Genet** 1981 Jan;33(1):25-35
Niemann-Pick disease type B: prenatal diagnosis and enzymatic and chemical studies on fetal brain and liver. Wenger DA, et al. **Am J Hum Genet** 1981 May; 33(3):337-44
Prenatal diagnosis of genetic disorders [editorial] Milunsky A. **Am J Med** 1981 Jan;70(1):7-8
Utility and limitations of chromosome banding in pre- and postnatal service cytogenetics [letter] **Am J Med Genet** 1981;9(1):86-7
The usefulness of chromosome banding in pre- and postnatal service cytogenetics: a reconsideration. Feeny D, et al. **Am J Med Genet** 1981;9(1):79-85
Limitations of amniography in the prenatal diagnosis of spina bifida. Fernhoff PM, et al. **Am J Med Genet** 1980; 7(3):369-73
Prenatal diagnosis of exstrophy of the cloaca. Gosden C, et al. **Am J Med Genet** 1981;8(1):95-109
The centralized prenatal genetics screening program of New York City: II. Establishment of prenatal diagnosis laboratory. Hsu LY, et al. **Am J Med Genet** 1981;8(3):331-9
The centralized prenatal genetics screening program of New York City: I. Developmental phase. Hsu LY. **Am J Med Genet** 1981;8(3):321-30
Prenatal diagnosis: too little control (Part I) [editorial] Karp LE. **Am J Med Genet** 1980;6(4):26 5-7
Prenatal diagnosis: too little control (Part II) [editorial] Karp LE. **Am J Med Genet** 1980;7(1):1-3
Prenatal genetic diagnosis and elective abortion in women over 35: utilization and relative impact on the birth prevalence of Down syndrome in Washington State. Luthy DA, et al. **Am J Med Genet** 1980;7(3):375-81
Utilization of prenatal genetic diagnosis in women 35 years of age and older in the United States, 1977 to 1978. Adams MM, et al. **Am J Obstet Gynecol** 1981 Mar 15;139(6):673-7
The Trendelenburg position for obstetric ultrasound. Hill LM, et al. **Am J Obstet Gynecol** 1980 Dec 15; 138(8):1229-30
Antenatal diagnosis of congenital pleural effusions. Lange IR, et al. **Am J Obstet Gynecol** 1981 Aug 1;140(7):839-40
The prediction of intrapartum fetal metabolic acidosis by fetal heart rate monitoring. Low JA, et al. **Am J Obstet Gynecol** 1981 Feb 1;139(3):299-305
Pure fetal blood from the umbilical cord obtained at fetoscopy: experience with 125 consecutive cases. MacKenzie IZ, et al. **Am J Obstet Gynecol** 1980 Dec 15; 138(8):1214-8
Prenatal diagnosis of diastrophic dwarfism. Mantagos S, et al. **Am J Obstet Gynecol** 1981 Jan;139(1):111-3
Amniophoresis as an adjunct to fetoscopy. Perry TB, et al. **Am J Obstet Gynecol** 1981 Sep 1;141(1):17-9
In utero diagnosis of umbilical cord hematoma by ultrasonography. Ruvinsky ED, et al. **Am J Obstet Gynecol** 1981 Aug 1;140(7):833-4
High cesarean section rate in trisomy 18 births: a potential indication for late prenatal diagnosis. Schneider AS, et al. **Am J Obstet Gynecol** 1981 Jun 15;140(4):367-70
The 'female echo': prenatal determination of the female fetus by ultrasound. Schotten A, et al. **Am J Obstet Gynecol** 1980 Oct 15;138(4):463-4
Genetic counseling and genetic services in obstetrics and gynecology: implications for educational goals and clinical practice. Simpson JL, et al. **Am J Obstet Gynecol** 1981 May 1;140(1):70-80
Alpha fetoprotein screening and diagnosis of fetal open neural tube defects: the need for quality control. Wald NJ, et al. **Am J Obstet Gynecol** 1981 Sep 1;141(1):1-4
Reactions to prenatal diagnosis: an analysis of 87 interviews. Silvestre D, et al. **Am J Orthopsychiatry** 1980 Oct; 50(4):610-7
Maternal ultrasonography for the antenatal diagnosis of surgically significant neonatal anomalies. Canty TG, et al. **Ann Surg** 1981 Sep;194(3):353-65
Fetal cardiac arrhythmia: antepartum diagnosis of a case of congenital atrial flutter. Anderson KJ, et al. **Arch Dis Child** 1981 Jun;56(6):472-4
Prospective study of fetal heart rate and rhythm patterns. Southall DP, et al. **Arch Dis Child** 1980 Jul;55(7):506-11
Cephalothoracopagus: case report with endocrine study. Furuhashi N, et al. **Arch Gynecol** 1980;229(3):161-6
Prenatal detection of Pompe's disease by induction of alkaline phosphatase in cultured amniotic fluid cells. Hähnel R, et al. **Aust NZ J Obstet Gynaecol** 1981 Feb;21(1):43-6
Prenatal diagnosis of dermatological conditions. Hockey A. **Australas J Dermatol** 1981 Apr;22(1):1-10
Contribution of somatic cell genetics techniques and quantitative cytochemical analysis to studies and diagnosis of inborn errors of metabolism. Sacchi N, et al. **Basic Appl Histochem** 1979;23 Suppl:59-62
Prenatal diagnosis: psychiatric aspects [editorial] Perez de Francisco C, et al. **Biol Psychiatry** 1981 Feb;16(2):109-11
Epithelial cell cultures from amniotic fluid for prenatal diagnosis. Benke PJ. **Birth Defects** 1980;16(2):155-9
Prenatal diagnosis of hemophilia B by an immunoradiometric assay of factor IX. Holmberg L, et al. **Blood** 1980 Sep; 56(3):397-401
Prenatal diagnosis of beta-thalassemias by amniocentesis: linkage analysis using multiple polymorphic restriction endonuclease sites. Kazazian HH Jr, et al. **Blood** 1980 Nov; 56(5):926-30
Difficulties in antenatal diagnosis of inherited haemoglobinopathies: gamma-chain variants. Furbetta M, et al. **Br J Haematol** 1981 Feb;47(2):319-21
Haematological aspects of antenatal diagnosis for thalassaemia in Britain. Matsakis M, et al. **Br J Haematol** 1980 Oct;46(2):185-97
Diagnosis of neural tube defects by estimation of amniotic fluid acetylcholinesterase. Dale G, et al. **Br J Obstet Gynaecol** 1981 Feb;88(2):120-5
The prediction of fetal growth retardation in twin pregnancy. Houlton MC, et al. **Br J Obstet Gynaecol** 1981 Mar; 88(3):264-73
Antenatal diagnosis of diaphragmatic hernia. Case report. Marwood RP, et al. **Br J Obstet Gynaecol** 1981 Jan; 88(1):71-2
Circulating levels of placental protein 5 in the mother: relation to birth weight. Obiekwe BC, et al. **Br J Obstet Gynaecol** 1980 Apr;87(4):302-4
Abnormal fetal heart rate associated with congenital abnormalities. Powell Phillips WD, et al. **Br J Obstet Gynaecol** 1980 Apr;87(4):270-4
Prediction of small-for-dates infants by measurement of symphysial-fundal-height. Quaranta P, et al. **Br J Obstet Gynaecol** 1981 Feb;88(2):115-9
Small biparietal diameter of fetuses with spina bifida: implications for antenatal screening [letter] Roberts AB, et al. **Br J Obstet Gynaecol** 1980 Oct;87(10):927-8
Pre-natal ultrasound demonstration of lymphangiectasia in the mesentery of the small bowel. Dewbury KC, et al. **Br J Radiol** 1981 Aug;54(644):687-8
Prenatal ultrasound demonstration of a choledochal cyst. Dewbury KC, et al. **Br J Radiol** 1980 Sep;53(633):906-7
Antenatal diagnosis of duodenal atresia. Farrant P, et al. **Br J Radiol** 1981 Jul;54(643):633-5
The antenatal diagnosis of oesophageal atresia by ultrasound. Farrant P. **Br J Radiol** 1980 Dec;53(636):1202-3
The influence of ultrasound on obstetric radiography. A six year study. Meire HB, et al. **Br J Radiol** 1980 Nov; 53(635):1087
Duchenne muscular dystrophy. Genetic aspects, carrier detection and antenatal diagnosis. Emery AE. **Br Med Bull** 1980 May;36(2):117-22 (107 ref.)
Screening for the small-for-dates fetus [letter] Neilson JP, et al. **Br Med J** 1980 Jul 12;281(6233):147
New uncertainties in prenatal screening for neural tube defect [letter] **Br Med J [Clin Res]** 1981 Jun 6;282(6279):1870
Prenatal fetal karyotyping and maternal serum alpha-fetoprotein screening. Gosden C, et al. **Br Med J [Clin Res]** 1981 Jan 24;282(6260):255-8
Amniotic fluid phospholipid profile determined by two-dimensional thin-layer chromatography as index of fetal lung maturation. Whittle MJ, et al. **Br Med J [Clin Res]** 1981 Feb 7;282(6262):428-30
Influence of obstetricians' attitudes on their use of prenatal diagnosis for the detection of Down's syndrome. Lippman-Hand A, et al. **Can Med Assoc J** 1980 Jun 21; 122(12):1381-6
Relation between maternal weight and serum alpha-fetoprotein concentration during the second trimester. Haddow JE, et al. **Clin Chem** 1981 Jan; 27(1):133-4
Reactivity of amniotic fluid alpha-fetoprotein with concanavalin A in relation to gestational age: clinical implications. Toftager-Larsen K, et al. **Clin Chem** 1980 Nov;26(12):1656-9
Gel electrophoresis of amniotic fluid acetylcholinesterase as an aid to the prenatal diagnosis of fetal defects. Brock DJ, et al. **Clin Chim Acta** 1980 Nov 20;108(1):135-41
Mucolipidosis I: studies of sialidase activity and a prenatal diagnosis. Mueller OT, et al. **Clin Chim Acta** 1981 Feb 5; 109(3):313-24
Isotope dilution analysis of methylcitric acid in amniotic fluid for the prenatal diagnosis of propionic and methylmalonic acidemia. Naylor G, et al. **Clin Chim Acta** 1980 Nov 6; 107(3):175-83
The causes of low oestrogen excretion in pregnancy: the development of diagnostic methods for the antenatal detection of familial congenital adrenocortical hypoplasia. Harkness RA, et al. **Clin Endocrinol (Oxf)** 1980 May; 12(5):453-60
Prenatal diagnosis of X-linked diseases. **Clin Genet** 1980 Aug; 18(2):147-50 (26 ref.)
Prenatal diagnosis of the prune belly syndrome. Bovicelli L, et al. **Clin Genet** 1980 Jul;18(1):79-82
Prenatal diagnosis of a de novo reciprocal translocation 46,XX,t(1;18) (p22;q23). Bovicelli L, et al. **Clin Genet** 1980 Dec;18(6):434-5
Pitfalls in the prenatal diagnosis of propionic acidemia. Buchanan PD, et al. **Clin Genet** 1980 Sep;18(3):177-83
Pericentric X chromosome ascertained during antenatal diagnosis. Evans MI, et al. **Clin Genet** 1980 Jul;18(1):30-3
The secretor status of the foetus. Gibson SL, et al. **Clin Genet** 1980 Aug;18(2):97-102
Prenatal detection of intestinal obstruction: deficient amniotic fluid disaccharidases in affected fetuses. Morin PR, et al. **Clin Genet** 1980 Sep;18(3):217-22
HLA typing of cultured amniotic cells for the prenatal diagnosis of complement C4 deficiency. Pollack MS, et al. **Clin Genet** 1980 Sep;18(3):197-200
In utero diagnosis of achondrogenesis, type I. Smith WL, et al. **Clin Genet** 1981 Jan;19(1):51-4
Prenatal diagnosis of Gaucher disease. Assay of the beta-glucosidase activity in amniotic fluid cells cultivated in two laboratories with different cultivation conditions. Svennerholm L, et al. **Clin Genet** 1981 Jan;19(1):16-22
Amniotic fluid secretor typing: validation for use in prenatal prediction of myotonic dystrophy. Teichler-Zallen D, et

al. **Clin Genet** 1980 Oct;18(4):257–67

Amniocentesis, amnioscopy and fetoscopy. Benzie RJ. **Clin Obstet Gynaecol** 1980 Dec;7(3):439–60 (104 ref.)

Prenatal diagnosis of genetic diseases. Laxova R. **Compr Ther** 1980 Dec;6(12):66–76

Cystic fibrosis: a case report from the Wilmington Medical Center Genetics Clinic. Borgaonkar DS, et al. **Del Med J** 1981 Aug;53(8):393–4

Antenatal diagnosis of sickle cell disease. Jones JR. **Del Med J** 1980 Dec;52(12):663

Gastrointestinal sediment layering. A useful sign for the prenatal sonographic diagnosis of fetal intestinal obstruction. Arias JW, et al. **Diagn Gynecol Obstet** 1980 Spring;2(1):63–5

Prediction of abnormal umbilical cord position and intrapartum cord problems from the nonstress test. Bruce SL, et al. **Diagn Gynecol Obstet** 1980 Spring;2(1):47–9

Persistent supraventricular tachycardia in utero. Chitkara U, et al. **Diagn Gynecol Obstet** 1980 Winter;2(4):291–8

Intrauterine meconium aspiration syndrome. Gleicher N, et al. **Diagn Gynecol Obstet** 1980 Summer;2(2):151–5

Prenatal detection of pericentric inversion of chromosome 12. Kim HJ, et al. **Diagn Gynecol Obstet** 1980 Fall; 2(3):231–4

Fetal common cloaca--a case report and review. Frenkel Y, et al. **Eur J Obstet Gynaecol Reprod Biol** 1980 Oct; 11(2):115–20

Prenatal diagnosis of fetal cystic hygromas associated with generalized lymphangiectasis. Lee CY, et al. **Henry Ford Hosp Med J** 1981;29(2):93–6

Prenatal echocardiography. Kleinman CS, et al. **Hosp Pract** 1980 Dec;15(12):81–3, 87–8

Raised maternal serum and amniotic fluid alpha-fetoprotein (AFP) associated with exomphalos in the fetus. Patil KP, et al. **Indian J Pathol Microbiol** 1980 Apr;23(2):97–101

Antenatal diagnosis of congenital adrenal hyperplasia (a case report). Patel ZM, et al. **Indian Pediatr** 1980 Oct; 17(10):833–6

Antenatal detection of omphalocele by ultrasound. Arienzo R, et al. **Int J Gynaecol Obstet** 1980;18(5):375–6

Realtime sonographic diagnosis of fetal dysplastic kidney. Fadel HE, et al. **Int J Gynaecol Obstet** 1980 Sep–Oct; 18(2):140–3

Establishment of a fetoscopy and fetal blood sampling program in Israel. Yaffe H, et al. **Isr J Med Sci** 1981 May; 17(5):352–4

Prenatal diagnosis of Meckel syndrome. Fryns JP, et al. **J Genet Hum** 1980 Dec;28(4):89–94

Prevention of neural tube malformation by genetic counselling, and prenatal diagnostic surveillance. Laurence KM. **J Genet Hum** 1979 Dec;27(4):289–99

Fetoscopy and the prenatal diagnosis of inherited conditions. Rodeck CH. **J Genet Hum** 1980 Jun;28(2):41–7

Citrullinaemia: the possibility of prenatal diagnosis. Christensen E, et al. **J Inherited Metab Dis** 1980;3(3):73–5

Prenatal diagnosis of I-cell disease by measuring altered alpha-mannosidase activity in amniotic fluid. Owada M, et al. **J Inherited Metab Dis** 1980;3(4):117–21

Prenatal diagnosis and prognosis in alpha 1-antitrypsin deficiency Pi ZZ. Roth SL, et al. **J Inherited Metab Dis** 1980;3(3):87–8 (25 ref.)

Prenatal diagnosis of a de novo non-fluorescent Y chromosome. Priest JH, et al. **J Med Genet** 1980 Aug; 17(4):314–6

Prenatal detection of Turner's syndrome in conjunction with trisomy 20 mosaicism (45,X/46, X, +0). Watt JL, et al. **J Med Genet** 1981 Jun;18(3):225–7

Prenatal diagnosis for adenosine deaminase deficiency. Ziegler JB, et al. **J Med Genet** 1981 Apr;18(2):154–6

Prenatal detection of inherited disorders. Dwivedi C. **J Natl Med Assoc** 1981 Mar;73(3):223–7

Endoscopical determination of umbilical cord complications in labor. Strizhova NV, et al. **J Perinat Med** 1981;9(1):48–53

Amniocentesis and prenatal diagnosis in South Carolina: a collaborative report for the years 1976 to 1979. Saul RA, et al. **J SC Med Assoc** 1980 Aug;76(8):387–90

Antenatal diagnosis: a patient survey. Young DW, et al. **J SC Med Assoc** 1980 Aug;76(8):391–3

The fetus as patient: ethical issues [editorial] Fletcher JC. **JAMA** 1981 Aug 14;246(7):772–3

Management of the fetus with a correctable congenital defect. Harrison MR, et al. **JAMA** 1981 Aug 14;246(7):774–7

Management of the fetus with a urinary tract malformation. Harrison MR, et al. **JAMA** 1981 Aug 7;246(6):635–9

Antenatal diagnosis and treatment of fetal skeletal malformations. With emphasis on in utero surgery for neural tube defects and limb bud regeneration. Hodgen GD. **JAMA** 1981 Sep 4;246(10):1079–83

In utero diagnosis and treatment of non-human primate fetal skeletal anomalies. I. Hydrocephalus. Michejda M, et al. **JAMA** 1981 Sep 4;246(10):1093–7

Prenatal detection of neural tube defects. VI. Experience with 20,000 pregnancies. Milunsky A. **JAMA** 1980 Dec 19;244(24):2731–5

Amniotic fluid alpha-fetoprotein in the prenatal diagnosis of fetal neural tube defects [editorial] Summitt RL. **JAMA** 1980 Dec 19;244(24):2754–5

Antenatal ultrasonographic diagnosis of the prune-belly syndrome. Lebed J, et al. **JAOA** 1981 Feb;80(6):399–402

Ultrasonic real-time diagnosis of fetal hydrothorax and lung hypoplasia. Bovicelli L, et al. **JCU** 1981 May Jun;9(5):253–4

Congenital anomalies detected prenatally by ultrasound [letter] Harrod ME. **JCU** 1980 Oct;8(5):A31–2

Prenatal diagnosis of single umbilical artery by ultrasound. Jassani MN, et al. **JCU** 1980 Oct;8(5):447–8

Fetal Ultrasound findings in alpha-thalassemia major. Kurtz AB, et al. **JCU** 1981 May Jun;9(5):257–9

Antepartum diagnosis of a succenturiate lobe: sonographic and pathologic correlation. Spirt BA, et al. **JCU** 1981 Mar; 9(3):139–40

Amniotic band syndrome: antepartum ultrasonic diagnosis of discordant anencephaly. Worthen NJ, et al. **JCU** 1980 Oct;8(5):453–5

Amniotic fluid acetylcholinesterase electrophoresis as a secondary test in the diagnosis of anencephaly and open spina bifida in early pregnancy. Report of the Collaborative acetylcholinesterase Study. **Lancet** 1981 Aug 15; 2(8242):321–4

Amniotic fluid acetylcholinesterase [letter] **Lancet** 1981 Jan 10;1(8211):95–6

Karyotyping of amniotic fluids [editorial] **Lancet** 1981 Feb 14;1(8216):367

Imaging techniques in obstetrics [editorial] **Lancet** 1981 Apr 25;1(8226):923–4

Use of coagulation assays in prenatal diagnosis of haemophilia A and B [letter] Bertina RM, et al. **Lancet** 1981 Feb 7; 1(8215):326–7

Amniotic fluid carbonic anhydrase III not a predictor of Duchenne dystrophy [letter] Carter ND, et al. **Lancet** 1980 Dec 20–27;2(8208–8209):1381

Role of amniotic fluid acetylcholinesterase in screening for neural tube defects [letter] Garry R, et al. **Lancet** 1981 Feb 14;1(8216):391

Acetylthiocholine iodide for detecting acetylcholinesterase activity in amniotic fluid [letter] Holman MS, et al. **Lancet** 1980 Sep 20;2(8195 pt 1):651

Amniotic fluid cholinesterase measurement as a rapid method for the exclusion of fetal neural tube defects. Hullin DA, et al. **Lancet** 1981 Aug 15;2(8242):325–7

False positive results with the qualitative amniotic fluid acetylcholinesterase test [letter] Read AP, et al. **Lancet** 1981 Feb 7;1(8215):329–30

Direct intravascular fetal blood transfusion by fetoscopy in severe Rhesus isoimmunisation. Rodeck CH, et al. **Lancet** 1981 Mar 21;1(8221):625–7

Prenatal diagnosis of chronic granulomatous disease: unreliability of fibroblast nitroblue tetrazolium test [letter] Seger R, et al. **Lancet** 1981 May 30;1(8231):1216

Should ultrasound be used to estimate gestational age in the screening and antenatal diagnosis of open neural tube defects? [letter] Wald NJ, et al. **Lancet** 1980 Sep 27; 2(8196):690

Cognitive and affective aspects of the responses of pregnant women to sonography. Milne LS, et al. **Matern Child Nurs J** 1981 Spring;10(1):15–39

Prenatal diagnosis of thalassaemia: possible medico-legal implications [letter] Cauchi MN, et al. **Med J Aust** 1981 Feb 21;1(4):198

Combined analysis of acetylcholinesterase and alpha-fetoprotein improves the accuracy of antenatal diagnosis of neural-tube defects. Hodgson AJ, et al. **Med J Aust** 1981 May 2;1(9):457–60

Ethical issues arising from prenatal diagnosis. Davis JG. **Ment Retard** 1981 Feb;19(1):12–5

Prenatal diagnosis of sacrococcygeal teratoma by ultrasound. Bendel RP, et al. **Minn Med** 1980 Sep;63(9):623–4

Fetoscopy and the prenatal diagnosis of chromosomal mosaicism [letter] Hsu LY. **N Engl J Med** 1981 May 7; 304(19):1176–7

Chromosomal mosaicism on amniocentesis: an indication for fetoscopy? [letter] Vekemans M, et al. **N Engl J Med** 1981 Jan 1;304(1):52–3

Whether or not predictive tests? [letter] Currier RD, et al. **Neurology (NY)** 1981 Mar;31(3):362

Posterior urethral obstruction caused by congenital posterior urethral valve; prenatal and postnatal ultrasound diagnosis. Sweeney I, et al. **NY State J Med** 1981 Jan;81(1):87–9

Antepartum diagnosis and intrapartum management of lethal renal defects. Allen RW Jr, et al. **Obstet Gynecol** 1981 Sep; 58(3):379–82

Prenatal diagnosis of the Meckel syndrome. Karjalainen O, et al. **Obstet Gynecol** 1981 Jun;57(6 Suppl):13S–5S

Prenatal diagnosis of hypophosphatasia. Kousseff BG, et al. **Obstet Gynecol** 1981 Jun;57(6 Suppl):9S–12S

Prenatal diagnosis and management of nonimmunologic hydrops fetalis. Maidman JE, et al. **Obstet Gynecol** 1980 Nov;56(5):571–6

Ultrasonographic parameters in the prenatal diagnosis of Meckel syndrome. Wapner RJ, et al. **Obstet Gynecol** 1981 Mar;57(3):388–92

Foetoscopy for intrauterine foetal visualization and sampling. McGoldrick IA. **Papua New Guinea Med J** 1980 Dec; 23(4):190–6

National Institute of Child Health and Human Development, The Consensus Development Conference on Antenatal Diagnosis. Part III: predictors of fetal distress. **Pediatr Ann** 1980 Jul;9(7):276–8

Alpha-fetoprotein: the diagnosis of neural-tube defects. Crandall BF. **Pediatr Ann** 1981 Feb;10(2):38–48

Prenatal diagnosis of hereditary disease and congenital defects. Kaback MM. **Pediatr Ann** 1981 Feb;10(2):22–37

Fetoscopy. Mahoney MJ. **Pediatr Ann** 1981 Feb;10(2):61–8

Antenatal diagnosis: potential for major reduction in pediatric morbidity. Oakley GP Jr. **Pediatr Ann** 1981 Feb;10(2):13–21

Antenatal ultrasound findings in cystic adenomatoid malformation. Donn SM, et al. **Pediatr Radiol** 1981 Feb; 10(3):180–2

Prenatal diagnosis of alpha 1-antitrypsin deficiency by analysis of fetal blood obtained at fetoscopy. Jeppsson JO, et al. **Pediatr Res** 1981 Mar;15(3):254–6

Prenatal and postnatal diagnosis and carrier detection of Fanconi anemia by a cytogenetic method. Auerbach AD, et al. **Pediatrics** 1981 Jan;67(1):128–35

Intrauterine detection of cystic fibrosis. Nadler HL, et al. **Pediatrics** 1980 Nov;66(5):690–2

Diagnosis of meconium in amniotic fluids by nuclear magnetic resonance spectroscopy. Bene BC. **Physiol Chem Phys** 1980;12(3):241–7

Genetic approach to gynecologic and obstetric problems. Haseltine FP. **Primary Care** 1981 Mar;8(1):89–110

Ultra-sound diagnosis of foetal disorder. Knox S. **Public Health** 1980 Nov;94(6):362–7

Short-limbed dwarfism: ultrasonographic diagnosis by mensuration of fetal femoral length. Filly RA, et al. **Radiology** 1981 Mar;138(3):653–6

Prenatal screening for neural tube defects in South Africa. An assessment. Grace HJ. **S Afr Med J** 1981 Aug 22; 60(8):324–9

Prenatal detection of neural tube defects by maternal serum alphafetoprotein assay. Grace HJ, et al. **S Afr Med J** 1981 Aug 22;60(8):319–24

Antenatal diagnosis of cytogenetic abnormalities. Simpson JL. **Semin Perinatol** 1980 Jul;4(3):165–78

Boy or girl--by real time ultrasound. Chew SC. **Singapore Med J** 1981 Feb;22(1):32–4

A Turner-like phenotype in the aborted fetus. Poland BJ, et al. **Teratology** 1980 Jun;21(3):361–5

Prenatal diagnosis of fetal urinary tract abnormalities by ultrasound. Cass A, et al. **Urology** 1981 Aug;18(2):197–202

[Clinical observation of amniotic fluid creatinine as an index of fetal maturity (author's transl)] **Chung Hua Fu Chan Ko Tsa Chih** 1980 Jul;15(3):146–9 **(Chi)**

[The value of urinary estriol determination in obstetric practice (author's transl)] Lin QD. **Chung Hua Fu Chan Ko Tsa Chih** 1979;14(3):129–33 **(Chi)**

[Ultrasonics in obstetrics in the 1980's (editorial)] Jouppila P. **Duodecim** 1980;96(19):1242–5 **(Fin)**

[Prenatal diagnosis of generalized cytochrome b5 reductase deficiency (congenital methemoglobinemia with mental retardation, type II) (author's transl)] Kaplan JC, et al. **Ann Med Interne (Paris)** 1981;132(2):93–6 (Eng. Abstr.) **(Fre)**

[Severe neonatal type of citrullinemia. Difficulties to expose heterozygotic state. Advantage of prenatal diagnosis (author's transl)] Plasse M, et al. **Ann Pediatr (Paris)** 1980 Oct;27(8):491–6 (Eng. Abstr.) **(Fre)**

[Prenatal diagnosis of a complex renal anomaly by ultrasonography. A report on one case (author's transl)] Dantoine G, et al. **Ann Radiol (Paris)** 1980 Nov;23(7):585–8 (Eng. Abstr.) **(Fre)**

[Attempt to define an ethical code for prenatal diagnosis] Engel E. **Bull Schweiz Akad Med Wiss** 1980 Nov; 36(4–6):381–8 (Eng. Abstr.) **(Fre)**

[Prenatal diagnosis of congenital malformations using echotomography] Morrisson-Lacombe G, et al. **Chir Pediatr** 1980;21(4):249–52 (Eng. Abstr.) **(Fre)**

[Attempt at a definition of a coefficient of risk of chromosome abnormalities at the beginning of pregnancy] Boué J, et al. **J Genet Hum** 1980 Sep;28(3):149–53 **(Fre)**

[Pregnancy abnormalities as alerting signs of Steinert's congenital myotonic dystrophy] Briard ML, et al. **J Genet Hum** 1980 Sep;28(3):189–94 **(Fre)**

[The prenatal diagnosis of hemoglobinopathies in France] Dubart A, et al. **J Genet Hum** 1980 Jun;28(2):19–40 **(Fre)**

[The problem of sex chromosome aneuploidy in genetic counseling using amniocentesis] Engel E, et al. **J Genet Hum** 1980 Sep;28(3):257–66 (Eng. Abstr.) **(Fre)**

[Significance and limits of alpha-fetoprotein levels in the prenatal diagnosis of malformations of the central nervous system] Guibaud S, et al. **J Genet Hum** 1979 Dec; 27(4):301–17 (Eng. Abstr.) **(Fre)**

[Ultrasonics and genetic counseling] Henrion R, et al. **J Genet Hum** 1980 Jun;28(2):49–72 **(Fre)**

[Late alerting signs of abnormalities during pregnancy] Lerat MF, et al. **J Genet Hum** 1980 Sep;28(3):179–87 **(Fre)**

[Prenatal diagnosis: results and risks experienced in West Germany] Stengel-Rutkowski S. **J Genet Hum** 1980 Jun; 28(2):73–88 **(Fre)**

['In utero' diagnosis of congenital fragilitas ossium (osteogenesis imperfecta) (author's transl)] Berzine J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1979;8(8):735–6 (Eng. Abstr.) **(Fre)**

[Late prenatal diagnosis of fetal growth retardation: the diagnosis of a case of trisomy 18 (author's transl)] Le Marec B, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980; 9(6):655–7 (Eng. Abstr.) **(Fre)**

[Antenatal diagnosis. 601 chromosome examinations (author's transl)] Taillemite JL, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(1):33–8 (Eng. Abstr.) **(Fre)**

[Antenatal detection of congenital adrenal hyperplasia. Deficiency of 21-hydroxylase (letter)] Floret D, et al. **Nouv Presse Med** 1980 Jun 28;9(28):1960–1 **(Fre)**

[Antenatal diagnosis of sickle-cell anaemia by DNA analysis of amniotic fluid cells. A preliminary study in the French West-Indies (author's transl)] Goossens M, et al. **Nouv Presse Med** 1981 Feb 14;10(6):387-9 (Eng. Abstr.) **(Fre)**

[Trisomy 18: prenatal diagnosis (letter)] Savary JB, et al. **Nouv Presse Med** 1981 Mar 28;10(14):1149 **(Fre)**

[Alpha fetoproteins in the prenatal diagnosis of abnormalities] Guibaud S, et al. **Pediatrie** 1980 Mar;35(2):181-6 **(Fre)**

[Prenatal diagnosis of chromosome abnormalities] Lambotte C, et al. **Rev Med Liege** 1980 Dec 1;35(23):792-7 **(Fre)**

[Early prenatal diagnosis in the framework of genetic counseling] Lambotte C. **Rev Med Liege** 1980 Dec 1; 35(23):816-77 **(Fre)**

[Prenatal monitoring] Thoumsin HJ. **Rev Med Liege** 1980 Sep 1;35(17):574-5 **(Fre)**

[Prenatal diagnosis in Lausanne: apropos of 1500 cases] Pescia G, et al. **Rev Med Suisse Romande** 1981 Apr;101(4):285-8 **(Fre)**

[Molecular genetics and prenatal diagnosis] Tosi M. **Rev Med Suisse Romande** 1981 Apr;101(4):289-93 **(Fre)**

[Utilization of chromosome markers and HLA antigens for prenatal identification of the male parent in artificial insemination for genetic reasons (author's transl)] Boué J, et al. **Sem Hop Paris** 1981 Jan 18-25;57(3-4):117-20 (Eng. Abstr.) **(Fre)**

[In utero diagnosis of congenital osteogenesis imperfecta] Berzine J, et al. **Tunis Med** 1979 Jul-Oct;57(4-5):286-8 (Eng. Abstr.) **(Fre)**

[Prenatal diagnosis of Gaucher's disease (author's transl)] Heilbronner H, et al. **Dtsch Med Wochenschr** 1981 May 15;106(20):652-4 (Eng. Abstr.) **(Ger)**

[Twin pregnancy, one fetus with Down syndrome removed by sectio parva, the other delivered mature and healthy (author's transl)] Beck L, et al. **Geburtshilfe Frauenheilkd** 1980 May;40(5):397-400 (Eng. Abstr.) **(Ger)**

[Ultrasonic diagnosis of fetal ascites (author's transl)] Bernaschek G, et al. **Geburtshilfe Frauenheilkd** 1980 Nov; 40(11):1029-33 (Eng. Abstr.) **(Ger)**

[Early diagnosis of fetal malformation by ultrasonography (author's transl)] Bernaschek G, et al. **Geburtshilfe Frauenheilkd** 1980 Oct;40(10):868-75 (Eng. Abstr.) **(Ger)**

[Clinical experience with fetoscopy (author's transl)] Brusis E. **Geburtshilfe Frauenheilkd** 1980 Aug;40(8):697-701 (Eng. Abstr.) **(Ger)**

[Is spectrophotometric analysis of the amniotic fluid a simple method for the determination of fetal pulmonary maturity? (author's transl)] Goeschen K, et al. **Geburtshilfe Frauenheilkd** 1980 Sep;40(9):813-7 (Eng. Abstr.) **(Ger)**

[Prenatal diagnosis of a severe heart defect (author's transl)] Köhler C, et al. **Geburtshilfe Frauenheilkd** 1981 Jan; 41(1):36-41 (Eng. Abstr.) **(Ger)**

[Genetic amniocentesis: technique and results in 1,000 first trimester amniocenteses (author's transl)] Schmidt W, et al. **Geburtshilfe Frauenheilkd** 1980 Sep;40(9):761-8 (Eng. Abstr.) **(Ger)**

[Diagnosis of siamese twins at 12 weeks gestation (author's transl)] Schmidt W, et al. **Geburtshilfe Frauenheilkd** 1981 Mar;41(3):227-30 (Eng. Abstr.) **(Ger)**

[Prenatal diagnosis in parents with a balanced structural chromosome aberration (author's transl)] Wirtz A, et al. **Geburtshilfe Frauenheilkd** 1980 Jul;40(7):575-92 (Eng. Abstr.) **(Ger)**

[The antepartum evaluation of pulmonary maturity in high risk pregnancies (author's transl)] Diedrich K, et al. **Geburtshilfe Fraunheilkd** 1981 Feb;41(2):107-13 (Eng. Abstr.) **(Ger)**

[Ultra-sonographic diagnosis of a thoraco-gastroschisis (author's transl)] Garbe U, et al. **Geburtshilfe Fraunheilkd** 1981 Jun;41(6):413-5 (Eng. Abstr.) **(Ger)**

[Ultrasonographic findings in 'Potter's syndrome' (author's transl)] Schmidt W, et al. **Geburtshilfe Fraunheilkd** 1981 May;41(5):374-81 (Eng. Abstr.) **(Ger)**

[Prenatal diagnosis of abnormalities] Winter R. **Gynaekol Rundsch** 1980 Jun;20 Suppl 2:250-3 **(Ger)**

[A 5-year review of prenatal diagnosis in Graz (author's transl)] Zierler H, et al. **Wien Klin Wochenschr** 1981 Feb 6;93(3):75-80 (Eng. Abstr.) **(Ger)**

[Development of the ultrasonic and x-ray diagnostic services at the Vienna University Women's Clinic] Wolf G, et al. **Wien Med Wochenschr** 1980 Sep 30;130(18):581-5 **(Ger)**

[Prenatal diagnosis of Meckel-Gruber's syndrome by ultrasound (author's transl)] Schmidt W, et al. **Z Geburtshilfe Perinatol** 1981 Feb;185(1):67-71 (Eng. Abstr.) **(Ger)**

[Prenatal diagnosis of trisomy 18 via hydramnion detected by echosonography (author's transl)] Schotten A, et al. **Z Geburtshilfe Perinatol** 1980 Dec;184(6):449-52 (Eng. Abstr.) **(Ger)**

[Prenatal and postnatal diagnosis of triploidy in man (author's transl)] Faber G, et al. **Zentralbl Gynaekol** 1980; 102(4):239-43 (Eng. Abstr.) **(Ger)**

[Diagnosis of foetal malformations--amniographic representation of encephalomeningocele in 32nd week of pregnancy (author's transl)] Opri F, et al. **Zentralbl Gynaekol** 1980;102(20):1159-65 (Eng. Abstr.) **(Ger)**

[Importance of trisomy-20 mosaicism to prenatal diagnosis (author's transl)] Weise W, et al. **Zentralbl Gynaekol** 1980; 102(14):770-3 (Eng. Abstr.) **(Ger)**

[Prenatal diagnosis of genetic defects to reduce infant mortality (author's transl)] Weise W, et al. **Zentralbl Gynaekol** 1980;102(14):762-9 (Eng. Abstr.) **(Ger)**

[Biochemical analysis of the amniotic fluid in early amniocentesis. Importance of alpha-fetoproteins] Aimone V. **Minerva Ginecol** 1980 Jun;32(6):539-44 **(Ita)**

[The role of echography in prenatal diagnosis] Campogrande M, et al. **Minerva Ginecol** 1980 Jun;32(6):519-26 **(Ita)**

[Prenatal diagnosis of sex using ultrasounds] Conti M, et al. **Minerva Ginecol** 1980 Nov;32(11):991-1002 (Eng. Abstr.) **(Ita)**

[The determination of fetal sex by real-time echography] D'Addario V, et al. **Minerva Ginecol** 1980 Nov; 32(11):1001-2 (Eng. Abstr.) **(Ita)**

[Prenatal diagnosis. Indications and risks of early amniocentesis by placental puncture and fetoscopy] Massobrio M, et al. **Minerva Ginecol** 1980 Jun;32(6):527-38 **(Ita)**

[Down's syndrome. Plea for the planning of a Regional Service for prenatal diagnosis] Migone N, et al. **Minerva Ginecol** 1980 Jun;32(6):545-52 **(Ita)**

[Prenatal diagnosis of beta-thalassemia major using fetal blood] Cao A, et al. **Minerva Med** 1981 Mar 17; 72(10):637-46 (28 ref.) **(Ita)**

[Prenatal diagnosis of hemoglobinopathies on the DNA of amniotic fluid fibroblasts] Ottolenghi S, et al. **Minerva Med** 1981 Mar 17;72(10):647-50 **(Ita)**

[A case of suspected in-utero achondrogenesis] Gobbi U, et al. **Minerva Pediatr** 1980 Jul 31;32(14):899-906 (Eng. Abstr.) **(Ita)**

[Prenatal diagnosis: a new problem] Cutillo S. **Pediatria (Napoli)** 1980 Jun 30;88(2):V-VII **(Ita)**

[Prenatal diagnosis of congenital diseases of metabolism and of chromosomes alterations] Saggese R. **Pediatria (Napoli)** 1979 Dec 31;87(4):631-47 (73 ref.) **(Ita)**

[Meckel's syndrome - genetic counseling and prenatal diagnosis] Mikiel-Kostyra K. **Ginekol Pol** 1980 Jul; 51(7):649-53 (Eng. Abstr.) **(Pol)**

[Medicogenetic consultation and the prenatal diagnosis of anencephaly] Prytkov AN, et al. **Akush Ginekol (Mosk)** 1981 Jan;(1):26-8 (Eng. Abstr.) **(Rus)**

[Prenatal fetal karyotype diagnosis in phenotypically healthy women with balanced chromosome rearrangements] Rozovskii IS, et al. **Akush Ginekol (Mosk)** 1981 Jan;(1):15-8 (Eng. Abstr.) **(Rus)**

[Demonstration of arylsulfatase A deficiency in metachromatic leukodystrophy and prenatal diagnosis of the disease] Tsvetkova IV, et al. **Vopr Med Khim** 1980 Jul-Aug;26(4):461-4 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

[The antenatal ultra-sonic diagnosis of ascites in the newborn (author's transl)] Schotten A, et al. **Geburtshilfe Fraunheilkd** 1981 Jun;41(6):410-2 (Eng. Abstr.) **(Ger)**

METHODS

Transvaginal fetoscopy in anterior placentas. Gustavii B, et al. **Acta Obstet Gynecol Scand** 1980;59(3):231-2

Antenatal cardiotocography and intrauterine death. Solum T, et al. **Acta Obstet Gynecol Scand** 1980;59(6):481-7

Sonographic determination of fetal gender. Scholly TA, et al. **AJR** 1980 Dec;135(6):1161-5

Antenatal diagnosis of chorioangioma of the placenta. Spirt BA, et al. **AJR** 1980 Dec;135(6):1273-5

Amniotic 17-alpha hydroxyprogesterone and HLA typing for the prenatal diagnosis of 21-alpha hydroxylase deficiency--congenital adrenal hyperplasia. Rosenmann A, et al. **Am J Med Genet** 1980;6(4):295-300

Gestational age assessment. I. analysis of individual clinical observations. Andersen HF, et al. **Am J Obstet Gynecol** 1981 Jan 15;139(2):173-7

First-trimester fetal chromosomal diagnosis using endocervical lavage: a negative evaluation. Goldberg MF, et al. **Am J Obstet Gynecol** 1980 Oct 15;138(4):436-40

Prenatal diagnosis of thalassemias and hemoglobinopathies. Seale TW, et al. **Ann Clin Lab Sci** 1980 Sep-Oct; 10(5):383-94 (47 ref.)

Detection of the small-for-dates twin fetus by ultrasound. Neilson JP. **Br J Obstet Gynaecol** 1981 Jan;88(1):27-32

Polyacrylamide gel electrophoresis of amniotic fluid cholinesterases: a good prenatal test for neural tube defects. Seller MJ, et al. **Br J Obstet Gynaecol** 1980 Dec; 87(12):1103-8

Factor VIII related antigen/coagulant activity ratio as a predictor of fetal growth retardation: a comparison with hormone and uric acid measurements. Whigham KA, et al. **Br J Obstet Gynaecol** 1980 Sep;87(9):797-803

Ultrasound in obstetrics and gynaecology. Recent developments. Neilson JP, et al. **Br Med Bull** 1980 Sep; 36(3):249-55 (83 ref.)

Screening for the small-for-dates fetus [letter] Klipstein RH. **Br Med J** 1980 Sep 6;281(6241):679

Screening for the small-for-dates fetus [letter] Newcombe RG. **Br Med J** 1980 Oct 11;281(6246):1007-8

New uncertainties in prenatal screening for neural tube defect [letter] Harris R, et al. **Br Med J [Clin Res]** 1981 Jul 18; 283(6285):229-30

New uncertainties in prenatal screening for neural tube defect. Harris R, et al. **Br Med J [Clin Res]** 1981 May 2;282(6274):1416-8 (14 ref.)

Quantitative cytochemical analysis of (single) cultured cells. Galjaard H. **Ciba Found Symp** 1979;(73):161-80

Prenatal diagnosis of fetal sex by amniotic fluid testosterone and FSH, and their potential use in detecting sex linked disorders. Wong PY, et al. **Clin Biochem** 1980 Jun; 13(3):135-8

Prenatal detection of defects in propionate metabolism. Wendel U. **Clin Chim Acta** 1980 Dec 22;108(3):475-7

Genetic counselling for adult polycystic kidney disease. Ultrasound a useful tool in pre-symptomatic diagnosis? Hogewind BL, et al. **Clin Genet** 1980 Sep;18(3):168-72

Significance of the midline echo in the ultrasound diagnosis of hydrocephalus. Chitkara U, et al. **Diagn Gynecol Obstet** 1981 Summer;3(2):171-4

Studies on the modified foam stability test. Effects of blood and meconium and comparison with Clements' shake test. Hirahara F, et al. **Diagn Gynecol Obstet** 1981 Spring; 3(1):9-14

Malformation of the fetal urinary system. A new obstetrical approach. Nicolini U, et al. **Diagn Gynecol Obstet** 1981 Summer;3(2):145-8

The prenatal determination of fetal weight by dynamic scanning. Rossavik IK, et al. **Early Hum Dev** 1981 May; 5(2):133-8

Plasma urate measurements and fetal outcome in preeclampsia. Schuster E, et al. **Gynecol Obstet Invest** 1981; 12(3):162-7

A simple and rapid method in the determination of urinary estrogen to creatinine ratio during pregnancy. Yamane T, et al. **Gynecol Obstet Invest** 1981;12(1):44-54

Antenatal diagnosis of propionic acidaemia by methylcitrate determination. Dhondt JL, et al. **J Inherited Metab Dis** 1981;4(2):49-50

Maternal ultrasonography in the antenatal diagnosis of surgically correctable fetal abnormalities. Touloukian RJ, et al. **J Pediatr Surg** 1980 Aug;15(4):373-7

Diagnosis and assessment of fetal malformation and abnormalities by ultrasound. Kurjak A, et al. **J Perinat Med** 1980;8(5):219-35 (79 ref.)

Value of fetoscopy in prenatal diagnosis. Rodeck CH. **J R Soc Med** 1980 Jan;73(1):29-33

Sonographic diagnosis of a cystic lymphangioma in utero. Effect on obstetric management. Caudle MR, et al. **J Reprod Med** 1981 Jan;26(1):49-51

The application of multiple-parameter scoring to antepartum fetal heart rate testing. Devoe LD, et al. **J Reprod Med** 1981 May;26(5):250-4

Antenatal diagnosis of omphalocele by ultrasound: case report with a brief review of the literature. Yaghoobian J, et al. **J Reprod Med** 1981 May;26(5):274-5

Fetal echocardiography: present and future applications. Roczen RS. **JCU** 1981 May Jun;9(5):223-9

Dermatoglyphics of two fetuses with trisomy 21 diagnosed by amniocentesis. Okajima M, et al. **Jinrui Idengaku Zasshi** 1981 Mar;26(1):61-4

The evolution of an antepartum testing program. Afriat CI. **JOGN Nurs** 1981 Mar-Apr;10(2):110-2

Rapid method for the exclusion of fetal neural-tube defects [letter] Brock DJ. **Lancet** 1981 Aug 29;2(8244):468

Ultrasonic evaluation of fetal ventricular growth. Jeanty P, et al. **Neuroradiology** 1981;21(3):127-31

Biometric and dynamic ultrasound assessment of small-for-dates infants: report of 260 cases. Kurjak A, et al. **Obstet Gynecol** 1980 Sep;56(3):281-4

Screening for SGA by the roll-over test. Verma UL, et al. **Obstet Gynecol** 1980 Nov;56(5):591-4

Maternal serum alpha-fetoprotein screening [letter] Weiss RR. **Obstet Gynecol** 1980 Nov;56(5):669-7

The antenatal diagnosis of congenital disease. Gardner HA, et al. **Otolaryngol Clin North Am** 1981 Feb;14(1):47-57

Ultrasonography in fetal diagnosis. Brent RL. **Pediatr Ann** 1981 Feb,10(2):49-60

Intrauterine diagnosis of hemoglobinopathies. Alter BP. **Semin Perinatol** 1980 Jul;4(3):189-98

Intrauterine diagnosis of biochemical disorders. Burton BK. **Semin Perinatol** 1980 Jul;4(3):179-87

Fetoscopy in prenatal diagnosis. Elias S. **Semin Perinatol** 1980 Jul;4(3):199-205

Technique for midtrimester amniocentesis for prenatal diagnosis. Gerbie AB, et al. **Semin Perinatol** 1980 Jul; 4(3):159-63

Prenatal detection of neural tube defects. Macri JN, et al. **Semin Perinatol** 1980 Jul;4(3):207-12

Ultrasound diagnosis of fetal abnormalities. Sabbagha RE, et al. **Semin Perinatol** 1980 Jul;4(3):213-27

[Advantages and disadvantages of ultrasonic obstetrical diagnosis] Khadzhiev A. **Akush Ginekol (Sofiia)** 1981; 20(2):98-106 (Eng. Abstr.) **(Bul)**

[Use of alpha fetoprotein in prenatal diagnosis] Mateeva E. **Akush Ginekol (Sofiia)** 1981;20(2):159-62 (18 ref.) (Eng. Abstr.) **(Bul)**

[Comparison of 'shake test' and amniotic fluid optical density in the assessment of fetal maturity (author's transl)] **Chung Hua Fu Chan Ko Tsa Chih** 1980 Oct;15(4):202-5 **(Chi)**

[Prenatal diagnosis of congenital defects of the gastrointestinal system - a case report] Sula F, et al. **Cesk Gynekol** 1980 Sep;45(8):587-8 **(Cze)**

[New approaches in the prenatal diagnosis of fetal anomalies] Boué A. **Arch Fr Pediatr** 1980 Jun;37(6):363–6 **(Fre)**

[Prenatal diagnosis of genetic diseases. Apropos of 1061 early amniocenteses] Larget-Piet L, et al. **J Genet Hum** 1980 Sep;28(3):233–8 **(Fre)**

[The use of echography in prenatal diagnosis in problems of familial cyclopia] Le Marec B, et al. **J Genet Hum** 1980 Sep;28(3):217–23 **(Fre)**

[Direct analysis of genes, a new possibility in genetic diagnosis. Application to the prenatal diagnosis of sickle cell anemia (editorial)] Rosa J, et al. **Nouv Presse Med** 1981 Feb 14;10(6):383–5 **(Fre)**

[Prenatal diagnosis of hereditary diseases and abnormalities: general introduction] Lambotte C. **Rev Med Liege** 1980 Dec 1;35(23):789–91 **(Fre)**

[Prenatal diagnosis of genetic metabolic diseases] Lambotte C. **Rev Med Liege** 1980 Dec 1;35(23):797–806 **(Fre)**

[Prenatal diagnosis of malformations] Schaaps JP, et al. **Rev Med Liege** 1980 Dec 1;35(23):806–15 **(Fre)**

[Diagnostic considerations in serious congenital malformation] Dame WR, et al. **Med Welt** 1981 Jan 23; 32(4):125–7 **(Ger)**

[Ultrasonographic diagnosis of a combined malformation syndrome – hydrocephalus – evisceration and dysplasia of the extremities (author's transl)] Schmidt W, et al. **Z Geburtshife Perinatol** 1981 Jun;185(3):183–6 (Eng. Abstr.) **(Ger)**

[Comparison between clinical information capability of increased alpha-fetoprotein values in amniotic fluid and in maternal serum (author's transl)] Hemke G, et al. **Zentralbl Gynaekol** 1981;103(11):617–23 (Eng. Abstr.) **(Ger)**

[Experience from amniofoetography in second half of pregnancy (author's transl)] Leitsmann H, et al. **Zentralbl Gynaekol** 1980;102(16):881–8 (Eng. Abstr.) **(Ger)**

[Preliminary experience with foetoscopy (author's transl)] Matýšek P, et al. **Zentralbl Gynaekol** 1980;102(8):452–6 **(Ger)**

[Prenatal sonographic diagnosis of multiple malformation in foetus--formation of ventral cleft and cephalocele (author's transl)] Watzek H. **Zentralbl Gynaekol** 1981;103(2):96–101 (Eng. Abstr.) **(Ger)**

[Prenatal examinations. Indications and informative value] Schwanitz G. **ZFA (Stuttgart)** 1981 Jun 10;57(16):1201–6 **(Ger)**

[Chorionic biopsy under immediate real-time (ultrasonic) control] Kazy Z, et al. **Orv Hetil** 1980 Nov 9; 121(45):2765–6 **(Hun)**

[Prenatal diagnosis of fetal sex with real time ultrasonography] Giorlandino C, et al. **Minerva Ginecol** 1980 Sep;32(9):759–62 (Eng. Abstr.) **(Ita)**

[Value of the foam stability test of amniotic fluid for suspected neonatal respiratory syndrome] Colombo ML, et al. **Minerva Pediatr** 1980 May 15;32(9):589–94 (Eng. Abstr.) **(Ita)**

[Advances of ultrasound diagnosis in obstetrics and gynecology (author's transl)] Takeuchi H. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Sep;32(9):1283–4 **(Jpn)**

[Prenatal diagnosis: indications, methods, complications (author's transl)] Cachro A. **Przegl Lek** 1980;37(12):803–6 **(Pol)**

[Functional diagnostic tests of fetal status] Nesterova AA. **Akush Ginekol (Mosk)** 1980 Dec;(12):19–22 (Eng. Abstr.) **(Rus)**

[Fetography and amniography in the prenatal diagnosis of genetic defects] Weise W, et al. **Akush Ginekol (Mosk)** 1981 Jan;(1):20–2 **(Rus)**

[Amniotic fluid cell culture for the prenatal diagnosis of the fetal karyotype] Zolotukhina TV. **Tsitol Genet** 1980 Mar-Apr;14(2):57–63 (Eng. Abstr.) **(Rus)**

[The role of amnio- and fetoamniography in the prenatal diagnosis of fetal developmental disorders] Koroliuk IP, et al. **Vestn Rentgenol Radiol** 1981 Jan-Feb;(1):60–5 (Eng. Abstr.) **(Rus)**

['Foam' test in assessing fetal lung maturity] Reinish MS, et al. **Vopr Okhr Materin Det** 1980 Aug;25(8):52–5 (Eng. Abstr.) **(Rus)**

[Prenatal diagnosis of genetic disorders (author's transl)] Santos M. **Rev Med Chil** 1981 Jan;109(1):36–46 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Population screening for carrier of recessively inherited disorders [letter] Modell B, et al. **Lancet** 1980 Oct 11; 2(8198):806

TRENDS

Antenatal assessment of foetal well-being. Roy Chowdhury NN. **J Indian Med Assoc** 1980 May 1;74(9):179–82

PRENAZONE see under **PHENYLBUTAZONE**

PRENIDATION PHASE

Ouabain binding to preimplantation rabbit blastocysts. Benos DJ. **Dev Biol** 1981 Apr 15;83(1):69–78

Characterization of concanavalin A precipitated proteins from early mouse embryos: a 2-dimensional gel electrophoresis study. Magnuson T, et al. **Dev Biol** 1981 Jan 15;81(1):193–9

Histamine formation by mouse preimplantation embryos. Dey SK, et al. **J Reprod Fertil** 1980 Nov;60(2):457–60

Structural changes in the corpus luteum and endometrium of seals before implantation. Boshier DP. **J Reprod Fertil [Suppl]** 1981;29:143–9 (28 ref.)

Assessment of the progestagenic and oestrogenic activity of compounds by their effect on implantation in rats with diapausing embryos. Cochrane RL, et al. **J Reprod Fertil [Suppl]** 1981;29:187–90

Embryonic diapause--perspectives. Enders AC. **J Reprod Fertil [Suppl]** 1981;29:229–41

Embryonic diapause in marsupials. Renfree MB. **J Reprod Fertil [Suppl]** 1981;29:67–78 (51 ref.)

Background to delayed implantation and embryonic diapause. Renfree MB, et al. **J Reprod Fertil [Suppl]** 1981;29:1–9

Hormonal control of the corpus luteum and embryonic diapause in macropodid marsupials. Tyndale-Biscoe CH, et al. **J Reprod Fertil [Suppl]** 1981;29:111–7 (28 ref.)

Ultrastructural changes after diapause in the uterine glands, corpus luteum and blastocyst of the red-necked wallaby, Macropus rufogriseus banksianus. Walker MT, et al. **J Reprod Fertil [Suppl]** 1981;29:151–8

Blastocyst-endometrial interactions and protein synthesis during pre-implantation development in the pig studied in vitro. Rice C, et al. **Placenta** 1981 Apr-Jun;2(2):129–42

[Preimplantation embryonic mortality--method of studying interstrain differences in the reparative activity of mouse ova] Semenov KhKh, et al. **Biull Eksp Biol Med** 1980 Sep; 90(9):365–7 (Eng. Abstr.) **(Rus)**

[Progesterone and 17-beta-estradiol concentration in the peripheral blood of pregnant mice at various stages of pre-implantation period of embryonal development] Polyntsev IuV, et al. **Probl Endokrinol (Mosk)** 1980 Jul-Aug;26(4):65–9 (Eng. Abstr.) **(Rus)**

[Cytological study of spontaneous embryonic mortality before implantation in mice of different genotypes] Semenov KhKh. **Tsitol Genet** 1979 Nov-Dec;13(6):476–80 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Uterine morphology and glycogen deposition of pregnant rats after clomiphene citrate treatment during preimplantation stages. Poteat WL. **Experientia** 1981 Jan 15;37(1):84–6

Investigation on cyclophosphamide treatment during the preimplantation period. II. In vitro studies on the effects of cyclophosphamide and its metabolites 4-OH-cyclophosphamide, phosphoramide mustard, and acrolein on blastulation of four-cell and eight-cell mouse embryos and on their subsequent development during implantation. Spielmann H, et al. **Teratology** 1981 Feb; 23(1):7–13

Investigations on cyclophosphamide treatment during the preimplantation period. I. Differential sensitivity to maternal cyclophosphamide treatment. Spielmann H, et al. **Teratology** 1981 Feb;23(1):1–5

[Mutagenic action resulting from the preovulatory administration of chloridine on preimplantation rat embryos] Baranov VS, et al. **Tsitol Genet** 1980 Nov-Dec; 14(6):20–4 (Eng. Abstr.) **(Rus)**

PRENYLAMINE

ADVERSE EFFECTS

Prenylamine-induced ventricular tachycardia and syncope controlled by ventricular pacing. Grenadier E, et al. **Br Heart J** 1980 Sep;44(3):330–4

Prenylamine-induced ventricular arrhythmias and syncopal attacks with Q-T prolongation. Report of a case and comment on therapeutic use of lignocaine. Riccioni N, et al. **Cardiology** 1980;66(4):199–203

PHARMACODYNAMICS

[Effect of odiphalin and difril on catecholamine concentration in adrenergic nerve fibers of different rat organs] Strinskaia LA, et al. **Biull Eksp Biol Med** 1980 Dec;90(12):698–700 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

The effect of prenylamine on the QT interval of the resting electrocardiogram in patients with angina pectoris. Oakley D, et al. **Postgrad Med J** 1980 Nov;56(661):753–6

[Management of chronic urticaria with prenylamine] Temesvári E, et al. **Dermatol Monatsschr** 1981 Feb; 167(2):122–4 **(Ger)**

[Treatment of chronic urticaria with Corontin forte] Temesvári E, et al. **Orv Hetil** 1980 May 11;121(19):1145–6 **(Hun)**

PREOPERATIVE CARE

Prevention of aspiration pneumonitis: preoperative preparation. Hardesty GA. **AANA J** 1981 Feb;49(1):52–4

Preoperative evaluation and physical assessment of the patient. Wittstock NJ. **AANA J** 1981 Apr;49(2):197–206

Effect of low-dose heparin and dihydroergotamine on frequency of postoperative deep-vein thrombosis in patients undergoing post-traumatic hip surgery. Lahnborg G. **Acta Chir Scand** 1980;146(5):319–22

Preoperative test of bleeding time in ear surgery. Harris S, et al. **Acta Otolaryngol (Stockh)** 1980 May-Jun; 89(5-6):474–8

Preoperative criteria predictive of late survival following valve replacement for severe aortic regurgitation. Greves J, et al. **Am Heart J** 1981 Mar;101(3):300–8

Preoperative factors affecting the outcome of isolated mitral valve replacement: a 10 year review. Dalby AJ, et al. **Am J Cardiol** 1981 Apr;47(4):826–34

Preoperative angiocardiography in infants with tetrad of Fallot. Review of 36 cases. Fellows KE, et al. **Am J Cardiol** 1981 Jun;47(6):1279–85

Right ventricular function in adult atrial septal defect. Preoperative and postoperative assessment and clinical implications. Liberthson RR, et al. **Am J Cardiol** 1981 Jan; 47(1):56–60

Evaluation of benefits of different nutritional pre- and postoperative management of hemorrhoidectomy patients. Crossland SG, et al. **Am J Proctol Gastroenterol Colon Rectal Surg** 1981 May; 32(5):8, 10–2, 14

Complete eradication of squamous cell carcinoma of the esophagus with combined chemotherapy and radiotherapy. Steiger Z, et al. **Am Surg** 1981 Mar;47(3):95–8

Use of preoperative chemotherapy and radiation therapy in patients with Wilm's tumors. Wagner CW, et al. **Am Surg** 1981 Apr;47(4):190–4

Total parenteral nutrition in the perioperative period--a time for caution? Biebuyck JF. **Anesthesiology** 1981 May; 54(5):360–3

Prehospital administration of nitrous oxide for control of pain. Amey BD, et al. **Ann Emerg Med** 1981 May; 10(5):247–51

Preoperative assessment for outpatient anaesthesia [letter] **Ann R Coll Surg Engl** 1981 May;63(3):214–6

Meniere's disease: the selection and assessment of patients for surgery using electrocochleography. Booth JB. **Ann R Coll Surg Engl** 1980 Nov;62(6):415–25

The perioperative management of patients with polycythaemia. Cundy J. **Ann R Coll Surg Engl** 1980 Nov; 62(6):470–5

Preoperative assessment for outpatient anaesthesia. Rollason WN, et al. **Ann R Coll Surg Engl** 1981 Jan;63(1):45–9

Antibiotic prophylaxis with cefoxitin in colorectal surgery: effect on the colon microflora and septic complications--a clinical model for prediction of the benefit and risks in using a new antibiotic in prophylaxis. Kager L, et al. **Ann Surg** 1981 Mar;193(3):277–82

How can we overcome barriers to preop interviews? **AORN J** 1981 Apr;33(5):931–42

Preoperative fluid balance assessment. Metheny N. **AORN J** 1981 Jan;33(1):51–6

Carotid endarterectomy: before surgery. White NE. **AORN J** 1980 Jul;32(1):35–41

Postponement of operations: its prevention in patients found to be mildly hypertensive. Aldrete JA, et al. **Arch Surg** 1980 Oct;115(10):1204–6

Monitor-guided responses. Operability with safety is increased in patients with peripheral vascular diseases. Babu SC, et al. **Arch Surg** 1980 Nov;115(11):1384–6

Routine laboratory tests for elective surgery in pediatric patients: are they necessary? Rosselló PJ, et al. **Bol Asoc Med PR** 1980 Dec;72(12):614–23

Preoperative assessment of the patient with cardiovascular disease. Foëx P. **Br J Anaesth** 1981 Jul;53(7):731–44 (79 ref.)

Help or habit? Excretion urography before prostatectomy. Morrison JD. **Br J Clin Pract** 1980 Aug;34(8-9):239–41

Evaluation of single-dose hypnotic treatment before elective operation. Keighley MR, et al. **Br Med J** 1980 Sep 27; 281(6244):829–31

Preoperative evaluation of pulmonary function [letter] Pecora DV. **Chest** 1981 Aug;80(2):249–50

Preoperative exercise capacity in symptomatic patients with aortic regurgitation as a predictor of postoperative left ventricular function and long-term prognosis. Bonow RO, et al. **Circulation** 1980 Dec;62(6):1280–90

Left ventricular functional reserve in adult patients with atrial septal defect: pre- and postoperative studies. Bonow RO, et al. **Circulation** 1981 Jun;63(6):1315–22

Radical en bloc excision of Ewing's sarcoma. Marcove RC, et al. **Clin Orthop** 1980 Nov-Dec;(153):86–91

Preparation of the thyrotoxic patient for surgery. Canary JJ. **Compr Ther** 1980 Aug;6(8):26–32

Medical evaluation of the patient with liver disease prior to surgery. Blundell CR, et al. **Contemp Anesth Pract** 1981; 4:123–69 (85 ref.)

Preoperative management of the diabetic patient. Johnson DG, et al. **Contemp Anesth Pract** 1980;3:39–45 (10 ref.)

Preoperative and postoperative care of the pediatric surgical patient. Pringle KC, et al. **Crit Care Med** 1980 Oct; 8(10):554–8

Varying the timing of information to alter preoperative anxiety and postoperative recovery in cardiac surgery patients. Christopherson B, et al. **Heart Lung** 1980 Sep-Oct; 9(5):854–61

Adjuvant radiation therapy in colon cancer. Higgins GA. **Int Adv Surg Oncol** 1979;2:1–24 (40 ref.)

Preoperative management. Todres ID, et al. **Int Anesthesiol Clin** 1980 Spring;18(1):27–32

The influence of a taped hypnotic induction treatment procedure on the recovery of surgery patients. Hart RR.

Int J Clin Exp Hypn 1980 Oct;28(4):324–32

Role of computed tomography in the presurgical evaluation of carcinoma of the cervix. Kilcheski TS, et al. **J Comput Assist Tomogr** 1981 Jun;5(3):378–83

Superimposition reformatted CT for preoperative lesion localization and surgical planning. Naidich TP, et al. **J Comput Assist Tomogr** 1980 Oct;4(5):693–6

Combined pre-operative telecobalt therapy and supraglottic laryngectomy. Sellars SL, et al. **J Laryngol Otol** 1981 Mar; 95(3):305–10

Findings from routine urinalysis and hematocrit on ambulatory oral and maxillofacial surgery patients. Gold BD, et al. **J Oral Surg** 1980 Sep;38(9):677–8

Preoperative exchange transfusion in sickle cell anemia. Fullerton MW, et al. **J Pediatr Surg** 1981 Jun;16(3):297–300

Perioperative total parenteral nutrition in patients with gastrointestinal cancer. Thompson BR, et al. **J Surg Res** 1981 May;30(5):497–500

Prostaglandin E1 as an adjunct to emergency cardiac operation in neonates. Donahoo JS, et al. **J Thorac Cardiovasc Surg** 1981 Feb;81(2):227–31

Lack of value of routine preoperative bone and liver scans in cystectomy candidates. Berger GL, et al. **J Urol** 1981 May;125(5):637–9

Radiotherapy and bladder cancer: a critical review. Radwin HM. **J Urol** 1980 Jul;124(1):43–6

An enteral elemental diet for infants and children with surgical disorders. Hirai Y, et al. **JPEN** 1980 Sep–Oct; 4(5):460–3

The use of radioisotope scans in the preoperative evaluation of epidermoid carcinoma of the head and neck. King AI, et al. **Laryngoscope** 1981 Jul;91(7):1052–7

Betadine surgical scrub: a warning [letter] Crompton DO, et al. **Med J Aust** 1980 Nov 29;2(11):632

Preparation of the colon by whole-gut irrigation—some practical remarks. Welvaart K, et al. **Neth J Surg** 1980; 32(2):71–3

Nutrition in the peri-operative patient. Rudge BA. **NZ Med J** 1981 May 13;93(683):306–8

Oesophageal atresia and tracheo-oesophageal fistula. MacKinlay GA, et al. **Physiotherapy** 1979 Dec; 65(12):379–81

Preoperative Orthoplast splinting in cross-leg flaps. Schwartz BM, et al. **Plast Reconstr Surg** 1980 Sep;66(3):459–62

Serological study of patients receiving prospective blood transfusions before kidney transplantation. Nebout T, et al. **Proc Eur Dial Transplant Assoc** 1980;17:486–90

The significance of abnormal preoperative hemostatic tests. Bowie EJ, et al. **Prog Hemost Thromb** 1980;5:179–209 (133 ref.)

Preoperative assessment of the high risk surgical patient. Hechtman HB, et al. **Surg Clin North Am** 1980 Dec; 60(6):1349–58

Preoperative and postoperative techniques in the prevention of pulmonary complications. Van De Water JM. **Surg Clin North Am** 1980 Dec;60(6):1339–48

Prophylactic digitalization preoperatively of patients with arteriosclerotic heart disease. Bille-Brahe NE, et al. **Surg Gynecol Obstet** 1981 Feb;152(2):183–6

The predictive role of delayed hypersensitivity in preoperative patients. Christou NV, et al. **Surg Gynecol Obstet** 1981 Mar;152(3):297–301

Physician among surgeons: thoughts on preoperative assessment [editorial] Ogilvie C. **Thorax** 1980 Dec; 35(12):881–3

Preoperative prednisone therapy in platelet function disorders. Mielke CH Jr, et al. **Thromb Res** 1981 Mar; 21(6):655–62

Preoperative macular evaluation. Havener WH. **Trans Pa Acad Ophthalmol Otolaryngol** 1981 Spring; 34(1):43–5

Determinants of effectiveness of thoracic duct drainage for primary cadaver kidney transplantation. Klintmalm G, et al. **Transplant Proc** 1981 Mar;13(1 Pt 1):537–8

Immunologic preparation of the pancreatic transplant recipient. Touraine JL, et al. **Transplant Proc** 1980 Dec; 12(4 Suppl 2):11–4

Pretransplant blood transfusions have an additive positive effect on kidney graft prognosis in D/DR-matched rhesus monkeys. Borleffs JC, et al. **Transplantation** 1981 Jul; 32(1):48–50

Improved renal graft survival in transfused uremics. A result of a number of interacting factors. Fehrman I, et al. **Transplantation** 1980 Nov;30(5):324–7

Importance of preoperative (not peroperative) transfusions for cadaver kidney transplants. Opelz G, et al. **Transplantation** 1981 Feb;31(2):106–8

A study on the mechanism of donor pretreatment: effect of procarbazine hydrochloride and methylprednisolone in immunocompetent cells. van der Linden CJ, et al. **Transplantation** 1981 Jul;32(1):24–8

Bladder carcinoma: results with preoperative radiation therapy and radical cystectomy. Boileau MA, et al. **Urology** 1980 Dec;16(6):569–76

Usefulness of preoperative transcatheter embolization in kidney tumors. Giuliani L, et al. **Urology** 1981 May; 17(5):431–4

The peri-operative management of the patient scheduled for open heart surgery. Sivapragasam S, et al. **West Indian Med J** 1980 Dec;29 Suppl:306–13

[Duct obliteration as preparation for pancreas transplantation] Bartoš V, et al. **Rozhl Chir** 1981 May; 60(5):335–9 (Eng. Abstr.) **(Cze)**

[How to further improve the results of surgical treatment of lung cancer] Hájek M. **Rozhl Chir** 1981 Jun;60(6):385–8 (Eng. Abstr.) **(Cze)**

[Our experience with rapid preparation of the large intestine for surgery] Mašek J, et al. **Rozhl Chir** 1980;59(9):629–34 (Eng. Abstr.) **(Cze)**

[Adjustment of the interior milieu with an ionic beverage in the preoperative preparation of urologic patients] Sechovská H, et al. **Rozhl Chir** 1980;59(12):831–6 (Eng. Abstr.) **(Cze)**

[Surgical treatment of rectal cancer with or without preoperative irradiation: initial results of a non-selective study] Boulis Wassif S, et al. **Ned Tijdschr Geneeskd** 1981 Jul 18;125(29):1148–51 (Eng. Abstr.) **(Dut)**

[Midazolam in preoperative sleep] Cadi N, et al. **Ann Anesthesiol Fr** 1981;22(1):22–6 (Eng. Abstr.) **(Fre)**

[Medico-legal aspects of cardiology in daily practice, on returning to work preoperative check ups] Nicolas G. **Ann Cardiol Angeiol (Paris)** 1981 Mar–Apr;30(2):117–20 **(Fre)**

[Administration of tiapride to patients with a history of alcohol and tobacco consumption, before, during, and after operation. Study of thirty cases (author's transl)] Guetat M, et al. **Ann Chir** 1981;35(2):121–3 (Eng. Abstr.) **(Fre)**

[Pre- and postoperative left ventricular function. After aortocoronary bypass surgery] Serruys PW, et al. **Arch Mal Coeur** 1980 Jun;73(6):617–33 (Eng. Abstr.) **(Fre)**

[Role of enteral feeding in preparation for major surgery] Paccalin J. **Med Chir Dig** 1980;9(8):681–3 **(Fre)**

[Should undernutrition be corrected prior to surgery in patients with cancer of the oesophagus or cardia? (author's transl)] Belghiti J, et al. **Nouv Presse Med** 1981 Jun 20; 10(27):2273–9 (Eng. Abstr.) **(Fre)**

[Delayed hypersensitivity immune reactions in a surgical milieu. Choice of a method: multipuncture or intradermal reaction? (letter)] Champault G, et al. **Nouv Presse Med** 1981 Mar 14;70(12):988 **(Fre)**

[Preoperative preparation of patients with hyperthyroidism using propranolol (letter)] Maunand B, et al. **Nouv Presse Med** 1980 Oct 11;9(37):2744 **(Fre)**

[Examinations for preoperative evaluation of patients] Baillod J, et al. **Rev Med Suisse Romande** 1980 Oct;100(10):819–21 **(Fre)**

[Observations on preoperative restriction of fluid intake in infants (author's transl)] Kraus GB. **Anaesth Intensivther Notfallmed** 1981 Apr;16(2):103–6 (Eng. Abstr.) **(Ger)**

[Hemorrhagic diathesis and surgical intervention: emergency diagnosis and preoperative therapy] Encke A, et al. **Chirurg** 1980 Dec;51(12):753–60 **(Ger)**

[Preparation of intestines] Pichlmaier H. **Dtsch Med Wochenschr** 1980 Oct 24;105(43):1488–90 **(Ger)**

[Anesthesia and perioperative care of aged women] Radakovic D. **Gynaekologe** 1980 Dec;13(4):192–7 **(Ger)**

[Antibiotic preparation of the colon or preoperative parenteral prophylaxis in colon surgery. A randomized study] Flückiger M, et al. **Helv Chir Acta** 1980 Dec; 47(5):659–62 (Eng. Abstr.) **(Ger)**

[Comparative studies on perioperative infusion therapy in infants] Altemeyer KH, et al. **Infusionsther Klin Ernaehr** 1981 Feb;8(1):36–43 (Eng. Abstr.) **(Ger)**

[Parenteral antibiotic prophylaxis or oral antimicrobial bowel preparation for colorectal surgery (author's transl)] Aeberhard P, et al. **Langenbecks Arch Chir** 1981; 353(4):233–40 (Eng. Abstr.) **(Ger)**

[Histological evaluation of pre-operative radiation in squamous cell carcinomas of the tonsil, the base of the tongue and the hypopharynx (author's transl)] Schumann K, et al. **Laryngol Rhinol Otol (Stuttg)** 1980 Jun; 59(6):335–40 (Eng. Abstr.) **(Ger)**

[Clinical experience with orthograde colon irrigation in colon surgery] Stock W, et al. **Med Welt** 1980 Mar 21; 31(12):446–50 **(Ger)**

[Clinical and morphological determination of the effectiveness of preoperative radiologic and combined radiologic-chemotherapeutic therapy in locally metastasized rectal cancer] Aleksanjan AZ, et al. **Radiobiol Radiother (Berl)** 1980;21(4):401–8 (Eng. Abstr.) **(Ger)**

[Labelling index of pulmonary carzinoma cells following preoperative irradiation with high single doses (author's transl)] Lyčev VA, et al. **Radiobiol Radiother (Berl)** 1980; 21(4):448–52 (Eng. Abstr.) **(Ger)**

[Comparison of the effectiveness of triazolam (Halcion) and flunitrazepam (Rohypnol) in the preoperative period. A double blind crossover study] Heinzl H, et al. **Schweiz Med Wochenschr** 1980 Nov 15;110(46):1745–8 (Eng. Abstr.) **(Ger)**

[Results of preoperative radiation therapy for carcinoma of the uterine cervix (author's transl)] Kahr E, et al. **Strahlentherapie** 1980 Jul;156(7):447–52 (Eng. Abstr.) **(Ger)**

[Preoperative irradiation of rectal carcinoma wit 5-fluorouracil] Kutzner J, et al. **Strahlentherapie [Sonderh]** 1978;75:162–5 **(Ger)**

[Lessening the impairment of wound healing by pre-or postoperative quantitative factor-XIII substitution (author's transl)] Baer J, et al. **Zentralbl Chir** 1980; 105(10):642–51 (Eng. Abstr.) **(Ger)**

[Gynaecological and obstetric operations in coagulative disorders (author's transl)] Voigt T, et al. **Zentralbl Gynaekol** 1980;102(19):1131–5 (Eng. Abstr.) **(Ger)**

[Ambulatory anesthesiologic examination] Janecskó M. **Orv Hetil** 1981 Feb 15;122(7):391–2 **(Hun)**

[The preoperative evaluation of factors influencing low output syndrome in cardiac surgery (author's transl)] Cotrufo M, et al. **G Ital Cardiol** 1980;10(4):393–8 (Eng. Abstr.) **(Ita)**

[Problems with anesthesia and intensive therapy in pheochromocytoma. A review of 25 cases] Melloni C, et al. **Minerva Anestesiol** 1981 Jan–Feb;47(1–2):15–24 (Eng. Abstr.) **(Ita)**

[Triazolam in the treatment of presurgical patients] Venuti A, et al. **Minerva Chir** 1980 Jun 30;35(12):961–4 (Eng. Abstr.) **(Ita)**

[Preoperative respiratory examination (author's transl)] Okuaki A. **Kokyu To Junkan** 1980 Dec;28(12):1359–66 **(Jpn)**

[Preparation for surgery and anesthesia of a patient with congenital angioneurotic edema] Galińska K, et al. **Ginekol Pol** 1981;52(3):267–70 (Eng. Abstr.) **(Pol)**

[The surgeon-internist cooperation in the surgical treatment of hyperthyreosis (author's transl)] Barczyński M, et al. **Przegl Lek** 1980;37(6):503–5 (Eng. Abstr.) **(Pol)**

[Importance of preoperative preparation in surgical diseases in advanced old age] Popa DP, et al. **Rev Chir [Oftalmol]** 1981 Jan–Mar;25(1):39–43 **(Rum)**

[Morphological evaluation of the effectiveness of preoperative chemotherapy of stomach cancer] Ogorodnikova LS, et al. **Arkh Patol** 1980;42(9):95 **(Rus)**

[Surgical treatment of nasopharyngeal cancer metastases to the cervical lymph nodes after irradiation] Trofimov EI, et al. **Med Radiol (Mosk)** 1981 Feb;26(2):28–30 (Eng. Abstr.) **(Rus)**

[Preoperative hemostasis and blood transfusion tactics in phthisiosurgical interventions with massive blood loss] Savonicheva IP, et al. **Probl Tuberk** 1980 Dec;(12):35–40 (Eng. Abstr.) **(Rus)**

[Intensive infusion therapy in ileus] Mitar B, et al. **Acta Chir Iugosl** 1980;27 Suppl 1:249–54 **(Scr)**

[Significance of the measurement of plasma pseudocholinesterase in the preanesthetic examination] Trevilla Guerrero JM. **Rev Esp Anestesiol Reanim** 1981 May;28(3):125–7 (Eng. Abstr.) **(Spa)**

[Polyclinical evaluation of risk patients before elective surgery] Carlsson C. **Lakartidningen** 1980 Aug 27; 77(35):2901–2 **(Swe)**

[Preoperative ECG a critical evaluation] Jakobsson A. **Lakartidningen** 1980 Aug 27;77(35):2893–5 **(Swe)**

[The role of cardiology consultants] Karlsson E. **Lakartidningen** 1980 Aug 27;77(35):2890–2 **(Swe)**

[The value of preoperative heart-lung examinations] Scalossman D. **Lakartidningen** 1980 Aug 27;77(35):2892–3 **(Swe)**

ECONOMICS

How cost effective are routine preoperative investigations? Delahunt B, et al. **NZ Med J** 1980 Dec 10;92(673):431–2

METHODS

Outpatient preoperative assessment: the anaesthetist's view. Holdcroft A. **Ann R Coll Surg Engl** 1980 Sep;62(5):382–5

Reduction of operative morbidity and mortality by combined preoperative and postoperative nutritional support. Mullen JL, et al. **Ann Surg** 1980 Nov;192(5):604–13

Total parenteral nutrition versus gastrostomy in the preoperative preparation of patients with carcinoma of the oesophagus. Lim ST, et al. **Br J Surg** 1981 Feb;68(2):69–72

Computerised tomography localisation of intrarenal calculi prior to nephrolithotomy. Wickham JE, et al. **Br J Urol** 1980 Dec;52(6):422–5

Preoperative and postoperative echocardiographic studies of pulmonic valvular endocarditis. Chiang CW, et al. **Chest** 1981 Aug;80(2):232–4

Preoperative evaluation of patients with electrocardiographic conduction defects. Ewy GA. **Contemp Anesth Pract** 1980; 2:121–36

Bowel preparation and the safety of colonoscopic polypectomy. Taylor EW, et al. **Gastroenterology** 1981 Jul; 81(1):1–4

Preoperative skin depilation and its effect on postoperative wound infections. Court-Brown CM. **J R Coll Surg Edinb** 1981 Jul;26(4):238–41

Preparation of the vagina for surgery. A comparison of povidone-iodine and saline solution. Amstey MS, et al. **JAMA** 1981 Feb 27;245(8):839–41

Modification of kidney graft survival in dog and man by pre-operative transfusion to the donor. Jeekel J, et al. **Proc Eur Dial Transplant Assoc** 1980;17:457–61

A prospective randomized double-blind controlled study of cadaver donor pretreatment with cyclophosphamide in human renal transplantation. Chatterjee SN, et al. **Transplant Proc** 1981 Mar;13(1 Pt 2):709–11

Prolongation of canine renal allograft survival. A study on the effect of donor pretreatment. van der Linden CJ, et al. **Transplantation** 1980 Aug;30(2):132–4

Preoperative radiotherapy for bladder cancer. A perspective. Mohiuddin M, et al. **Urology** 1981 Jun;17(6):515–20

Preoperative management of proximal lesions of the left coronary artery system: surgical implications. Krebber HJ, et al. **West J Med** 1981 Jun;134(6):491–5

[Initial results of using staphylococcal toxoid in heart operations] Daskalov E, et al. **Khirurgiia (Sofiia)** 1980; 33(4):301–6 (Eng. Abstr.) **(Bul)**

[Substitution therapy in surgical operations in haemophiliacs—our experience (author's transl)] Vorlová Z, et al. **Cas Lek Cesk** 1980 Sep 12;119(36–37):980–4 (Eng. Abstr.) **(Cze)**

[Rapid preoperative preparation for large intestine surgery] Mašek J, et al. **Rozhl Chir** 1980 Sep;59(9):629–34 (Eng. Abstr.) **(Cze)**

[Assessment of the immune state in a surgical miliev. Comparison of 2 methods : multipuncture or intradermal reaction?] Champault G, et al. **Med Chir Dig** 1981; 10(1):15–22 (Eng. Abstr.) **(Fre)**

[The preoperative medical evaluation of the aged woman] van de Loo J. **Gynaekologe** 1980 Dec;13(4):187–91 **(Ger)**

[Pre- and postoperative treatment experiences with cleft patients] Meyer FU, et al. **Stomatol DDR** 1980 Jun; 30(6):398–401 (Eng. Abstr.) **(Ger)**

[Preoperative phase of colonic surgery (author's transl)] Baumann V, et al. **Zentralbl Chir** 1980;105(16):1033–41 (Eng. Abstr.) **(Ger)**

[Modern orthodontic methods in the preoperative treatment of cleft lip and palate] Bocchiotti G, et al. **Minerva Stomatol** 1981 May–Jun;30(3):215–20 (Eng. Abstr.) **(Ita)**

[Preoperative embolization of meningiomas: assessment of 17 cases] Del Favero C, et al. **Radiol Med (Torino)** 1980 Jun; 66(6):445–7 **(Ita)**

[Preoperative embolization of orthopedic tumors] Simonetti G, et al. **Radiol Med (Torino)** 1980 Jun;66(6):452–4 **(Ita)**

[Radioeffects on the advanced cardiac gastric cancers treated preoperatively by one to three times a week irradiation methods (author's transl)] Mikuriya S, et al. **Nippon Gan Chiryo Gakkai Shi** 1980 Dec 20;15(7):1152–61 (Eng. Abstr.) **(Jpn)**

[Use of written instructions before the operation for preventing postoperative pain] Beliaev DG, et al. **Anesteziol Reanimatol** 1980 Aug;(4):62–3 **(Rus)**

[Characteristics of corrective therapy in the preoperative and early postoperative periods in acute intestinal obstruction] Pantsyrev IuM, et al. **Anesteziol Reanimatol** 1980 Nov–Dec;(6):52–7 (Eng. Abstr.) **(Rus)**

[Preoperative preparation of patients with chronic suppurative lung diseases] Lubenskiĭ IuM, et al. **Khirurgiia (Mosk)** 1980 Nov;(11):58–61 (Eng. Abstr.) **(Rus)**

[Concentrated preoperative irradiation in the treatment of cancer of the esophagus and of the cardial section of the stomach] Stoliarov VI, et al. **Khirurgiia (Mosk)** 1980 Oct; (10):37–42 (Eng. Abstr.) **(Rus)**

[Role of fiber bronchoscopy in preoperative preparation and in eliminating the early postoperative complications in chronic lung abscess] Pugachev VS, et al. **Klin Khir** 1980 Oct;(10):34–6 (Eng. Abstr.) **(Rus)**

[Specific preoperative preparation of patients and technic for surgical interventions on the large intestine] Vitebskiĭ IaD, et al. **Klin Khir** 1981 Feb;(2):16–9 (Eng. Abstr.) **(Rus)**

[Combined treatment of cervical cancer by preoperative intracavitary gamma therapy and teleradiotherapy with shaped fields] Pavlov AS, et al. **Med Radiol (Mosk)** 1981 Mar;26(3):18–25 (Eng. Abstr.) **(Rus)**

[Late results of the combination treatment of stage–I cervical cancer with preoperative radiation therapy] Rybakov IuN, et al. **Med Radiol (Mosk)** 1981 Apr;26(4):25–7 **(Rus)**

[Intensive therapy in the preoperative preparation of pulmonary tuberculosis patients who abuse alcohol] Kuznetsov AA, et al. **Probl Tuberk** 1980 Oct;(10):51–3 (Eng. Abstr.) **(Rus)**

[Combined transfusion therapy in the preoperative preparation of patients with specific pleural empyema] Rymko LP, et al. **Probl Tuberk** 1981;(3):27–31 (Eng. Abstr.) **(Rus)**

[Delayed bone suturing in the overall treatment of mandibular fractures] Rostokin IuN, et al. **Stomatologiia (Mosk)** 1980 Nov–Dec;59(6):31–2 (Eng. Abstr.) **(Rus)**

[Use of bremsstrahlung and electron beams in the preoperative irradiation of breast cancer with figure fields] Afanas'ev BP, et al. **Vopr Onkol** 1981;27(2):17–20 (Eng. Abstr.) **(Rus)**

[Comparative analysis of the effectiveness of standard and large dose fractionation in preoperative breast cancer irradiation] Aleksandrov NN, et al. **Vopr Onkol** 1981; 27(7):3–8 (Eng. Abstr.) **(Rus)**

[Changes in the primary focus and regional metastases of breast cancer under the influence of concentrated preoperative irradiation] Krinitsyna NN, et al. **Vopr Onkol** 1981;27(1):32–6 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Music while you wait. Patient acceptance of music in the preanesthetic period. Verheecke G, et al. **Acta Anaesthesiol Belg** 1980;31(1):61–7

Psychological preparation of children for surgery. Trouten F. **Dimens Health Serv** 1981 Mar;58(3):9–10, 12–3

Psychological preparation for surgical patients. Roy R. **Health Soc Work** 1981 Feb;6(1):44–9

PREOPTIC AREA see under **HYPOTHALAMUS**

PREPAID DENTAL CARE see **INSURANCE, DENTAL**

PREPAID GROUP HEALTH ORGANIZATIONS see **HEALTH MAINTENANCE ORGANIZATIONS**

PREPHENATE DEHYDRATASE see under **HYDRO-LYASES**

PREPHENATE DEHYDROGENASE see under **OXIDOREDUCTASES**

PREPROSTHETIC ORAL SURGERY see **SURGERY, ORAL, PREPROSTHETIC**

PRESBYCUSIS see under **HEARING LOSS, SENSORINEURAL**

PRESBYOPIA

ETIOLOGY

[Environmental influences related to prevention of the premature development of senile cataract] Miranda MN, et al. **Bol Asoc Med PR** 1981 Jan;73(1):18–26 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Depth of field for the presbyope. Carroll JP. **Am J Optom Physiol Opt** 1981 May;58(5):400–3

REHABILITATION

Double masked study of progressive addition lenses. Borish IM, et al. **J Am Optom Assoc** 1980 Oct;51(10):933–43

[For the rehabilitation of the presbyopic patient, a new 'progressive bifocal' lens] Manent PJ, et al. **Bull Soc Ophtalmol Fr** 1980 Oct;80(10):851–6 **(Fre)**

THERAPY

Spectacles for the emmetropic presbyopic optometrist. Goodlaw EI. **Am J Optom Physiol Opt** 1981 Mar; 58(3):232–4

Management of the exceptional presbyope. Daubs J. **J Am Optom Assoc** 1980 Nov;51(11):1025–9

PRESBYTIS see **CERCOPITHECIDAE**

PRESCRIPTION FEES see under **FEES, PHARMACEUTICAL**

PRESCRIPTION INSURANCE see **INSURANCE, PHARMACEUTICAL SERVICES**

PRESCRIPTIONS, DRUG

Guidelines for the prescription of psychotropic drugs. **Acta Med Scand** 1981;209(6):437–8

Polypharmacy and poisons in pediatrics—the epidemic of overprescribing and ways to control it. Stickler GB. **Adv Pediatr** 1980;27:1–29

Rational use of drug levels. Sloan RW, et al. **Am Fam Physician** 1981 Apr;23(4):122–6

An examination of the influence of traditional therapeutic systems on the practice of cosmopolitan medicine in Japan. Lock MM. **Am J Chin Med** 1980 Autumn;8(3):221–9

Confused drug names [letter] **Ann Intern Med** 1980 Dec; 93(6):933–4

Medicine cause decayed teeth [letter] Hobson P. **Arch Dis Child** 1980 Jun;55(6):494

Quality of prescribing for children. **Br Med J** 1980 Jul 19; 281(6234):228–9

Contraception and the under–16s [news] **Br Med J** 1980 Jul 26;281(6235):318

Contraception and the under–16s [letter] Rogers A. **Br Med J** 1980 Aug 16;281(6238):521

Pharmacists as doctors [editorial] **Br Med J [Clin Res]** 1981 Jul 25;283(6286):264

Prescribing for the elderly. Bliss MR. **Br Med J [Clin Res]** 1981 Jul 18;283(6285):203–6

Prescription medicines. Carne S. **Br Med J [Clin Res]** 1981 May 9;282(6275):1517–20

Clinical pharmacology. Prescription writing. Hartley BH. **Br Med J [Clin Res]** 1981 Feb 28;282(6265):711–4

Simple computerised repeat prescription control system. Meldrum D. **Br Med J [Clin Res]** 1981 Jun 13; 282(6280):1933–7

Repeat prescribing for elderly patients. Tulloch AJ. **Br Med J [Clin Res]** 1981 May 23;282(6277):1672–5

Drug therapy and the geriatric patient. Fallor MK. **Del Med J** 1981 May;53(5):263–7

Epidemiological studies of diabetes mellitus in Denmark. II. A prevalence study based on insulin prescriptions. Green A, et al. **Diabetologia** 1981 Apr;20(4):468–70

Prescribing restriction: implications and reactions. Wolfson DJ, et al. **Drug Intell Clin Pharm** 1981 Jul–Aug; 15(7–8):594–7

The impact of early use of prescription contraceptives on reducing premarital teenage pregnancies. Zabin LS. **Fam Plann Perspect** 1981 Mar–Apr;13(2):72–4

Computerized monitoring of psychotropic drug orders: some trends and revelations. Mittel NS, et al. **Hosp Community Psychiatry** 1981 Apr;32(4):277–8

Statement on prescription writing and prescription labeling. American Pharmaceutical Association/American Dental Association. **J Am Dent Assoc** 1980 Oct;101(4):668

Guidelines for prescribers of controlled substances. **J Am Podiatry Assoc** 1980 Sep;70(9):481–2

Prescribed medicines: who takes what? Anderson R. **J Epidemiol Community Health** 1980 Dec;34(4):299–304

Compliance–oriented prescribing [letter] Gau DW. **J Fam Pract** 1981 Feb;12(2):207, 210

Prescriptions for drugs in England during 1976. Moffat AC. **J Forensic Sci Soc** 1980 Jul;20(3):183–5

Factors influencing prescribing in general practice. Beaumont G. **J Int Med Res** 1980;8 Suppl 3:73–5

The use of repeatedly prescribed medicines. Anderson RM. **J R Coll Gen Pract** 1980 Oct;30(219):609–13

An examination of the prescribed therapeutic experience of five–year–olds in general practice. Grace JF, et al. **J R Coll Gen Pract** 1980 Sep;30(218):529–32

Effect of the CURB campaign on barbiturate prescribing in Northern Ireland. King DJ, et al. **J R Coll Gen Pract** 1980 Oct;30(219):614–8

Prescribing for the elderly in general practice. A review of current literature. Knox JD. **J R Coll Gen Pract** 1980 Apr; 30(Suppl 1):1–8 (78 ref.)

Use and wastage of prescribed medicines in the home. Leach RH, et al. **J R Coll Gen Pract** 1978 Jan;28(186):32–6

Errors and misconceptions in drug prescribing. Beeley L. **J R Coll Physicians Lond** 1980 Jan;14(1):58–64

How to affect antibiotic prescribing practices [news] Check WA. **JAMA** 1980 Dec 12;244(23):2594–5

Restricting amphetamines. Wisconsin's success story. Treffert DA, et al. **JAMA** 1981 Apr 3;245(13):1336–8

MDs must not prescribe controlled substances for dependent person's habit. **Mich Med** 1981 Jul;80(20):363

Beware look–alike, sound–alike drugs! Teplitsky B. **Mich Med** 1981 Jul;80(20):367–8

New York's generic drug substitution law. Kamen A. **NY State Dent J** 1980 Nov;46(9):599–604

Prescription drugs detected in injured road users [letter] Missen AW, et al. **NZ Med J** 1981 Jun 10;93(685):394–5

Drugs and society: an overview. Bianchine JR. **Ohio State Med J** 1981 May;77(5):274–5

Some prescribing problems. Clouse GD. **Ohio State Med J** 1981 May;77(5):295–6

The Ohio State Medical Board. Doll RJ. **Ohio State Med J** 1981 May;77(5):304–5, 308

The unwitting abusers. Edwards KS. **Ohio State Med J** 1981 May;77(5):289–90

The Ohio Board of Pharmacy. Mullinax CW. **Ohio State Med J** 1981 May;77(5):309–11

A leading pharmaceutical company speaks some words of encouragement about the drugs you prescribe. Reynolds DL. **Ohio State Med J** 1981 May;77(5):276–7

Physician fights against prescription drug abuse. Cushner AW. **Pa Med** 1981 May;84(5):22–4

Psychoactive medicinal and nonmedicinal drug use among high school students. Roush GC, et al. **Pediatrics** 1980 Nov; 66(5):709–15

Strategic aspects of prescription writing. Fessel WJ. **Postgrad Med** 1981 Jul;70(1):30–4, 37

Pandora's pharmaceutical box [editorial] Fleming TC. **Postgrad Med** 1981 Sep;70(3):13, 16

Ritual in medicine [editorial] Fleming TC. **Postgrad Med** 1981 Jul;70(1):13–4

Prescribing—a controversial craft? Ryde D. **Practitioner** 1981 Mar;225(1353):283–5

Repeat prescription card—'pink' card. Barlow M. **S Afr Med J** 1981 Feb 21;59(8):276

Drug prescribing: patterns, problems and proposals. Christensen DB, et al. **Soc Sci Med [a]** 1981 May; 15A(3):343–55

Prescribing psychotropic drugs: whose responsibility? Miller RS, et al. **Soc Work Health Care** 1980 Fall;6(1):51–61

Some aspects of drug use in Ethiopia. Sekhar C, et al. **Trop Doct** 1981 Jul;11(3):116–8

[Family practitioner and Halcion] Haayer–Ruskamp FM. **Ned Tijdschr Geneeskd** 1981 Jan 3;125(1):7–9 (Eng. Abstr.) **(Dut)**

[Penicillin, a panacea?] Jongkees LB. **Ned Tijdschr Geneeskd** 1980 Oct 4;124(40):1673–5 **(Dut)**

[Illogical prescriptions – dangerous prescriptions (author's transl)] Dangoumau J, et al. **Therapie** 1980 Jul–Aug; 35(4):519–24 (Eng. Abstr.) **(Fre)**

[Giving prescriptions to pharmacies by the prescribing physician] Rieger HJ. **Dtsch Med Wochenschr** 1981 May 22;106(21):690–1 **(Ger)**

[Social aspects of physician prescribing behavior (II)] Reichwald–Dietzsch U. **Med Welt** 1981 Jan 23;32(4):139–42 **(Ger)**

[Social aspects of physician prescribing behavior (I)] Reichwald–Dietzsch U. **Med Welt** 1981 Jan 9;32(2):68–71 **(Ger)**

[Drugs from the patient's viewpoint] Faust–Kübler E. **Soz Praeventivmed** 1980 Mar;25(1–2):44–8 (Eng. Abstr.) **(Ger)**

[Psychological aspects of drugs] Luban–Plozza B. **Soz Praeventivmed** 1980 Mar;25(1–2):56–60 (Eng. Abstr.) **(Ger)**

[Information by the physician] Röthlisberger MF. **Soz Praeventivmed** 1980 Mar;25(1–2):73–4 (Eng. Abstr.) **(Ger)**

[Self medication and medical prescription] Zimmermann K. **Soz Praeventivmed** 1980 Mar;25(1-2):36-9 (Eng. Abstr.) **(Ger)**

[The general practitioner in the tense area between the drug scene and therapy] Lockot R. **Wien Med Wochenschr** 1980 Aug 31;130(15-16):510-4 **(Ger)**

[Analysis of patient reports on prescribed drug therapy as well as on self medication] Domke N, et al. **Z Aerztl Fortbild (Jena)** 1980 Dec 1;74(23):1099-101 **(Ger)**

[Change in the frequency of drug prescriptions for ambulatory patients by 2 general practitioners and 2 internists] Sziegoleit W, et al. **Z Aerztl Fortbild (Jena)** 1980 Dec 1;74(23):1120-1 **(Ger)**

[Comparison of general and internal medicine drug prescriptions from the years 1967 and 1976] Sziegoleit W, et al. **Z Gesamte Hyg** 1980;26(8):613-5 (Eng. Abstr.) **(Ger)**

ECONOMICS

Prescription Pricing Authority's information services. Crawford GE. **Br Med J [Clin Res]** 1981 Mar 7; 282(6266):840

Principles in practice [editorial] Nowlan D. **Ir Med J** 1981 Mar;74(3):76

The family physician's knowledge of the cost of prescribed drugs. Oppenheim GL, et al. **J Fam Pract** 1981 Jun; 12(6):1027-30

General practitioner prescribing rates and costs. Malcolm LA, et al. **NZ Med J** 1981 May 13;93(683):301-3

Prescribing frequency and costs related to patients' age and sex. Hall MS. **Practitioner** 1981 Mar;225(1353):271-3

[Some aspects of the prescription of drugs for gonococcal urethritis in drugstores of Santos, São Paulo (author's transl)] Bestane WJ, et al. **AMB** 1980 Jan;26(1):2-3 (Eng. Abstr.) **(Por)**

HISTORY

[Side effects of drugs from the viewpoint of medical history] Schadewaldt H. **Med Welt** 1981 Feb 13;32(7):207-9 **(Ger)**

[Italian editions of Madame Fouquet's prescription book] Rocchietta S. **Minerva Med** 1981 Jan 21;72(2):111-2 **(Ita)**

STANDARDS

Prescribing antibiotics. Ellenbogen C, et al. **Am Fam Physician** 1981 Jun;23(6):133-6

Prescribing psychoactive drugs to addicts. Bewley TH. **Br Med J** 1980 Aug 16;281(6238):497-8

Quality of prescribing for children in general practice. Catford JC. **Br Med J** 1980 Jun 14;280(6229):1435-7

Improving benzodiazepine prescribing in family practice through review and education. Rosser WW, et al. **Can Med Assoc J** 1981 Jan 15;124(2):147-53

Paving the way to safe prescribing for the elderly. Williamson J. **Geriatrics** 1980 Sep;35(9):32-9

Guidelines for prescribing of controlled substances. **J Ky Med Assoc** 1981 Jan;79(1):37-8

Guidelines for controlled substances. **J Med Assoc State Ala** 1980 Oct;50(4):12-7

Prescription-writing by pediatric house officers. Waison PD, et al. **J Med Educ** 1981 May;56(5):423-8

Ancillary-written prescription errors. Austin R, et al. **J R Coll Gen Pract** 1980 Jul;30(216):417-9

Better prescribing. Frølund F. **J R Coll Gen Pract [Occas Pap]** 1980 May;(10):11-2

Better prescribing. Heffernan MW. **J R Coll Gen Pract [Occas Pap]** 1980 May;(10):13-7

The fine tuning of office-based continuing medical education [editorial] Johnson ME. **JAMA** 1980 Sep 5;244(10):1133-4

Determining educational needs in the physician's office. Manning PR, et al. **JAMA** 1980 Sep 5;244(10):1112-5

A comparison of patient drug regimens as viewed by the physician, pharmacist and patient. Leister KA, et al. **Med Care** 1981 Jun;19(6):658-64

Physicians' liability for failure to anticipate and control reactions and interactions precipitated by prescribed or administered drugs. Junewicz JJ. **Med Trial Tech Q** 1980 Winter-Spring;27:8-41

Guidelines for prescribers of controlled substances. A joint statement of the Drug Enforcement Administration and the DEA/Practitioners Working Committee. **Ohio State Med J** 1981 May;77(5):312-3

The saga of one man's medicine chest. Edwards KS. **Ohio State Med J** 1981 Jun;77(6):363-5

Promoting appropriate prescribing. Skom JH. **Ohio State Med J** 1981 May;77(5):286-7

Job satisfaction in general practice: implications for prescribing. Melville A. **Soc Sci Med [Med Psychol Med Sociol]** 1980 Dec; 14A(6):495-9

Guidelines for prescribers of controlled substances. **Wis Med J** 1981 Jun;81(6):53-4

[Epidemiological aspects of therapy analyses in clinical and ambulatory patients] Stika L, et al. **Z Aerztl Fortbild (Jena)** 1980 Dec 1;74(23):1098-9 **(Ger)**

VETERINARY

Residues: the responsibility of the veterinarian with respect to prescribing, monitoring and controlling. Smith JD. **Can Vet J** 1981 Feb;22(2):49-50

Extra-label drug uses. Upson DW. **J Am Vet Med Assoc** 1980 May 15;176(10 Spec No):1129-30

PRESCRIPTIONS, NON-DRUG

Checklist for the prescription of slings for the hemiplegic patient. Smith RO, et al. **Am J Occup Ther** 1981 Feb; 35(2):91-5

Prescription of gain-setting and prognosis for use and benefit of post-aural hearing aids. Foster JR, et al. **Audiology** 1981 Mar-Apr;20(2):157-76

Gain requirements of conductive hearing losses. Berger KW. **Br J Audiol** 1980 Nov;14(4):137-41

Comment on shapiro: 'comparison of three hearing aid prescription procedures' [letter] Byrne D. **Ear Hear** 1981 May-Jun;2(3):127-31

Application of statistical methods in hearing aid investigations. Ramig PR, et al. **Ear Hear** 1980 Sep-Oct; 1(5):277-80

Comparison of three hearing aid prescription procedures. Shapiro I. **Ear Hear** 1980 Jul-Aug;1(4):211-4

Special refractive conditions. Hales RH. **Int Ophthalmol Clin** 1981;21(2):123-34

Refitting. Harris MG. **Int Ophthalmol Clin** 1981;21(2):95-103

Soft toric lenses. Remba MJ. **Int Ophthalmol Clin** 1981; 21(2):113-21

Intraocular lens power formulas. Fritz KJ, et al. **Ophthalmology (Rochester)** 1981 May;88(5):432-3

Communication devices in addition to hearing aids. Prescription, evaluation and utilization. Lundborg T. **Scand Audiol [Suppl]** 1978;(Suppl 8):71-81

[Analytic considerations regarding realization of physiotherapeutic prescriptions for the purpose of orthopedic therapy] Arnold W, et al. **Beitr Orthop Traumatol** 1981 Feb;28(2):93-101 (Eng. Abstr.) **(Ger)**

[Physical therapy measures in treatment. General, basic remarks] Henning K, et al. **ZFA (Stuttgart)** 1980 Nov 30; 56(33):2271-5 **(Ger)**

[Physical therapy measures in treatment. Practical examples] Henning K, et al. **ZFA (Stuttgart)** 1980 Nov 30; 56(33):2276-84 **(Ger)**

PRESENTATION, FETAL see **LABOR PRESENTATION**

PRESERVATION, BIOLOGICAL

see related
BUFFERS
CRYOPROTECTIVE AGENTS

The effect of cryopreservation on gametocytogenesis of Plasmodium berghei berghei: a preliminary report. Mons B, et al. **Acta Leiden** 1980;48:9-16

Fixation techniques for secretory component in human lacrimal gland and conjunctiva. Cohen EJ, et al. **Am J Ophthalmol** 1981 Jun;91(6):789-93

Effect of polyols and lipids on buffalo spermatozoal survival at 5 degrees C and -196 degrees C. Pandit RK, et al. **Ann Rech Vet** 1980;11(2):225-31

Pedigreed stocks of Mycobacterium lepraemurium for cultivation and metabolic studies. Dhople AM, et al. **Can J Microbiol** 1980 Oct;26(10):1247-52

Morphological, cytochemical, and culture study of normal human bone marrow frozen at -196 degrees C. Grande M. **Cryobiology** 1980 Oct;17(5):429-38

Metabolic changes in dog kidney during cryopreservation. Penninckx F, et al. **Cryobiology** 1980 Dec;17(6):549-56

Survival and recovery of cryopreserved rat platelets. Stein SF, et al. **Cryobiology** 1980 Dec;17(6):589-92

Effect of cryopreservation on recovery of cells forming colonies in diffusion chambers in mice (CFUD). Niskanen EO, et al. **Exp Hematol** 1981 Apr;9(4):411-4

Twenty-four to ninety-six-hour storage of human spermatozoa in test-yolk buffer. Jaskey DG, et al. **Fertil Steril** 1981 Feb;35(2):205-8

Influence of bovine cervical mucus samples and storage conditions on sperm migration in vitro. Kummerfeld HL, et al. **Fertil Steril** 1981 Feb;35(2):218-21

Bovine mucus penetration test: an assay for fresh and cryopreserved human spermatozoa. Zavos PM, et al. **Fertil Steril** 1980 Aug;34(2):175-6

The influence of the method of preservation of erythrocytes on the correlation between tetanus antitoxin values as measured by passive haemagglutination and by seroneutralization tests in mice. Nyerges G, et al. **J Biol Stand** 1980;8(4):311-6

Evaluation of preservation methods and solid media suitable for recovery of Ureaplasma urealyticum from transported urine specimens. Hipp SS, et al. **J Clin Microbiol** 1981 Jan; 13(1):135-8

Preservation and transportation of bacteria by a simple gelatin disk method. Obara Y, et al. **J Clin Microbiol** 1981 Jul; 14(1):61-6

Duration of the immune response in subjects inoculated with antimeningococcal A and C vaccines kept in storage at -20 degrees C and at 4 degrees C: influence of pre-vaccination titres on the vaccinal response. Grinstein S, et al. **J Hyg (Lond)** 1981 Feb;86(1):117-27

Effect of storage on the integrity of purified feline calicivirus particles. Komolafe OO. **Microbios** 1979; 26(105-106):137-46

Survival and development of larvae of the common nematodes of ruminants after long-term cryopreservation and investigation of different routes of infestation. Van Wyk JA, et al. **Onderstepoort J Vet Res** 1980 Sep; 47(3):129-36

Benzimidazole-resistant Haemonchus contortus--the effect of cryopreservation on the resistance of successive generations. Van Wyk JA, et al. **Onderstepoort J Vet Res** 1980 Sep;47(3):143-6

Effects of storage time and temperature on amylopectin levels and oocyst production of Eimeria meleagrimitis oocysts. Augustine PC. **Parasitology** 1980 Dec;81(Pt 3):519-24

Growth of fungi in cacodylate buffer. Nunes JF, et al. **Stain Technol** 1980 May;55(3):191-2

Human platelets frozen with glycerol in liquid nitrogen: biological and clinical aspects. Herve P, et al. **Transfusion** 1981 Jul-Aug;21(4):384-90

Semen cryopreservation and testicular cancer [letter] Carswell JJ, et al. **Urology** 1980 Sep;16(3):332

Studies on the preservation of Erwinia carotovora var. chrysanthemi (Burkholder et al.) Dye cultures. Prasad M, et al. **Zentralbl Bakteriol [Naturwiss]** 1980;135(3):230-3

[Cryobiology- a bioengineering discipline (author's transl)] Schneider J. **Biomed Tech (Berlin)** 1980 Nov;25(11):292-6 (Eng. Abstr.) **(Ger)**

[Ultrastructural alterations, infectivity, and motility of Trypanosoma brucei before and after cryopreservation in liquid nitrogen (author's transl)] Schupp E, et al. **Z Parasitenkd** 1980;62(3):213-30 **(Ger)**

[Effect and action mechanism of hypothermia to preserve the ischaemic myocardium (author's transl)] Ferrari R, et al. **G Ital Cardiol** 1980;10(11):1496-507 (Eng. Abstr.) **(Ita)**

[Preservation of lyophilized cultures of saprophytic microorganisms] Kupletskaia MB, et al. **Mikrobiologiia** 1980 Jul-Aug;49(4):621-3 **(Rus)**

INSTRUMENTATION

[Improved cryogenic adsorption lyophilizer for the preservation of biological preparations] Zaichik VE, et al. **Lab Delo** 1981;(2):100-1 (Eng. Abstr.) **(Rus)**

METHODS

Evaluation of collection and preservation techniques for urinary cytology. Pearson JC, et al. **Acta Cytol (Baltimore)** 1981 May-Jun;25(3):327-33

The successful cryopreservation of microfilariae with hydroxyethyl starch as cryoprotectant. Minjas JN, et al. **Ann Trop Med Parasitol** 1980 Oct;74(5):571-3

Collecting and banking human milk: to heat or not to heat? Björkstén B, et al. **Br Med J** 1980 Sep 20;281(6243):765-9

Controlling cooling rates with a variable vacuum in a Dewar flask. Beeler CR. **Cryobiology** 1981 Feb;18(1):79-81

Cryoprotection of murine lymphocyte subpopulations using a microprocessor-controlled cooling system. Brock MA, et al. **Cryobiology** 1980 Oct;17(5):439-47

Schistosoma mansoni: cryopreservation of schistosomula by two-step addition of ethanediol and rapid cooling. James ER. **Exp Parasitol** 1981 Aug;52(1):105-16

Viability of rabbit bone marrow after cryopreservation (in vitro and in vivo). Kühnlein E, et al. **Experientia** 1981 Apr 15;37(4):423-5

Advantages and limitations of chemical preservatives for use in the radiochemical analysis of 131I in environmental milk samples. Harrington CL, et al. **Health Phys** 1981 Jun; 40(6):907-12

Preservation of Toxoplasma gondii by freezing. Samantaray JC, et al. **Indian J Med Res** 1980 Nov;72:637-40

Improved lyophilization procedure for storage of reference cultures and clinical isolates. Alexander GA. **J Clin Microbiol** 1981 Apr;13(4):805-6

Comparison of clinical results for the use of ethyl acetate and diethyl ether in the formalin-ether sedimentation technique performed on polyvinyl alcohol-preserved specimens. Garcia LS, et al. **J Clin Microbiol** 1981 Apr; 13(4):709-13

Quantification of a cryopreservation technique for Onchocerca microfilariae in skin snips. Ham PJ, et al. **J Helminthol** 1981 Mar;55(1):59-61

Duration of the immune response in subjects inoculated with antimeningococcal A and C vaccines kept in storage at -20 degrees C and at 4 degrees C: influence of pre-vaccination titres on the vaccinal response. Grinstein S, et al. **J Hyg (Lond)** 1981 Feb;86(1):117-27

Large-scale purification and cryopreservation of human monocytes. De Boer M, et al. **J Immunol Methods** 1981; 43(2):225-39

A cryopreservative procedure for storing cultivated and uncultivated amniotic fluid cells in liquid nitrogen. Pentz S, et al. **J Med Genet** 1980 Dec;17(6):472-5

The preservation of surface-associated micro-organisms prepared for scanning electron microscopy. Garland CD, et al. **J Microsc** 1979 Jul;116(2):227-42

The preservation of Clostridium chauvoei in liquid nitrogen. McCrindle CM. **J S Afr Vet Assoc** 1979 Sep;50(3):221-2

Preservation of bacterial L-forms by freezing. Takahashi T, et al. **Jpn J Exp Med** 1980 Aug;50(4):313-8

An improved technique for the cryopreservation of Onchocerca microfilariae. Ham PJ, et al. **Parasitology** 1981 Aug;83(Pt 1):139-46

Ultra-rapid freezing of thin biological samples. Costello MJ. **Scan Electron Microsc** 1980;(Pt 2):361–70

[The thanatologist facing mass casualties] Fesneau R. **Acta Med Leg Soc (Liege)** 1980;30(2):177–9 **(Fre)**

[Cryopreservation of human sperm] Kaden R. **Andrologia** 1981 Mar–Apr;13(2):177–8 **(Ger)**

[Application of lymphovenous anastomosis in the biological preservation of a heart–lung preparation] Barinov EF. **Grudn Khir** 1981 Jul–Aug;(4):86–7 **(Rus)**

[Suitability of disinfecting agents for preserving pathological material containing Mycobacterium tuberculosis] Finn ER, et al. **Probl Tuberk** 1981;(3):70–2 (Eng. Abstr.) **(Rus)**

[Cryopreservation of Trypanosoma cruzi] Engel JC, et al. **Medicina (B Aires)** 1980;40 Suppl 1:103–8 (Eng. Abstr.) **(Spa)**

STANDARDS

Effect of preservatives and conditions of storage on the potency of allergy extracts. Nelson HS. **J Allergy Clin Immunol** 1981 Jan;67(1):64–9

VETERINARY

Preservation of Borrelia anserina at different temperatures. Ginawi MA, et al. **Bull Anim Health Prod Afr** 1980 Sep; 28(3):221–3

Effect of storage in ice on pathogenicity of salivarian trypanosomes. Princewill TJ. **Bull Anim Health Prod Afr** 1980 Jun;28(2):115–29

Routine cryopreservation of ruminant nematode larvae. Coles GC, et al. **Res Vet Sci** 1980 May;28(3):391–2

Use of sorbitol in the cryopreservation of babesia. Gray GD, et al. **Res Vet Sci** 1981 May;30(3):388–9

[The effect of superovulation on morphology, cultivation and deep-freeze preservation of rabbit embryos] Braun J, et al. **Zentralbl Veterinaermed [A]** 1980 May;27(3):212–20 (Eng. Abstr.) **(Ger)**

PRESERVATION, FOOD see **FOOD PRESERVATION**

PRESERVATIVES, PHARMACEUTICAL see under **PHARMACEUTIC AIDS**

PRESSORECEPTORS

see related

CAROTID SINUS

Hypertension following arterial baroreceptor denervation in the unanesthetized dog. Ito CS, et al. **Circ Res** 1981 Apr; 48(4):576–91

BLOOD SUPPLY

Baroreceptor function and changes in strain sensitivity in normotensive and spontaneously hypertensive rats. Andresen MC, et al. **Circ Res** 1980 Dec;47(6):821–8

DRUG EFFECTS

Physical efficiency of the organism after blockade of carotid sinuses receptors. Bernat R, et al. **Acta Physiol Pol** 1980 May–Jun;31(3):269–77

Stimulation of cardiac receptors with veratrum alkaloids inhibits ADH secretion. Thames MD, et al. **Am J Physiol** 1980 Dec;239(6):H784–8

Antagonism of the baroreceptor reflex by glutamate diethyl ester, an antagonist to L-glutamate. Talman WT, et al. **Brain Res** 1981 Jul 27;217(1):186–91

Digitalis and baroreceptor reflexes in man. Ferrari A, et al. **Circulation** 1981 Feb;63(2):279–85

Baroreceptor reflex in the rat after converting enzyme inhibition or angiotensin receptor blockade. Coleman TG, et al. **Clin Exp Pharmacol Physiol** 1981 Jan;8(1):79–82

Effects of alpha-adrenoceptor-stimulating drugs on baroreceptor reflexes in conscious cats. Tsyrlin VA, et al. **Eur J Pharmacol** 1980 Oct 3;67(1):75–83

Blood pressure and pressor response to angiotensin II during pregnancy and nursing in the rabbit. Katz M, et al. **Gynecol Obstet Invest** 1981;12(4):211–9

Alteration of the baroreceptor reflex by an effect of propranolol on the isolated carotid sinus. Schultz HD, et al. **J Pharmacol Exp Ther** 1981 Jan;216(1):111–7

Intracarotidal injection of beta-adrenergic blocking agents: variations in the carotid sinus baro- and chemoreceptor activity. Rossi F, et al. **Res Commun Chem Pathol Pharmacol** 1980 Nov; 30(2):211–20

[Effect of pressure and local adrenaline application on carotid sinus on the perfusion pressure in the perfused hindlimb] Staak R. **Acta Biol Med Ger** 1981;40(2):189–99 (Eng. Abstr.) **(Ger)**

[Alpha-methyldopa and neural control of the circulation in essential hypertension] Mancia G, et al. **Boll Soc Ital Cardiol** 1980;25(2):113–22 (Eng. Abstr.) **(Ita)**

[Carotid sinus syndrome caused by clonidine] Mancini L, et al. **Boll Soc Ital Cardiol** 1978;23(5):867–72 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Increasing aortic baroreceptor sensitivity during reflex inhibition of efferent sympathetic activity. Brattström A. **Acta Biol Med Ger** 1980;39(5):623–7

Evidence for a direct influence of efferent control upon the mechano-sensitive receptors in the carotid bifurcation. Brattström A, et al. **Acta Biol Med Ger** 1980; 39(11–12):1177–81

Effect of carotid endarterectomy on baroreflex sensitivity in man. Intraoperative studies. Tydén G, et al. **Acta Chir Scand [Suppl]** 1980;Suppl 500:67–9

Carotid baroreceptor reflex in man, its modulation over the respiratory cycle. Trzebski A, et al. **Acta Neurobiol Exp (Warsz)** 1980;40(5):807–20

Role of the adrenergic receptors in the central mechanism of the cardiovagal component of the arterial baroreceptor reflex. Izdebska E, et al. **Acta Physiol Pol** 1980;31(5):475–83

Central interaction between reflex responses to activity in aortic nerve A- and C-fibres. Aars H. **Acta Physiol Scand** 1980 Nov;110(3):315–20

Natriuresis and phosphaturia during extracellular volume expansion, blood volume expansion or stimulation of the intrathoracic volume receptors. Jahn HA, et al. **Adv Exp Med Biol** 1980;128:93–105

Carotid baroreflex regulation of plasma renin levels. Ammons WS, et al. **Am J Physiol** 1980 Sep;239(3):H342–8

Role of sinoaortic reflexes in hemodynamic patterns of natural defense behaviors in the cat. Baccelli G, et al. **Am J Physiol** 1981 Mar;240(3):H421–9

Arterial baroreceptor reflexes in young and old racing greyhounds. Cox RH, et al. **Am J Physiol** 1981 Mar; 240(3):H383–90

Renal vascular resistance and reactivity in the neurogenic hypertensive rat. Fink GD, et al. **Am J Physiol** 1980 Nov; 239(5):F474–7

Baroreceptor output during normal and obstructed breathing and Mueller maneuvers. Fitzgerald RS, et al. **Am J Physiol** 1981 May;240(5):H721–9

Sympathetic-related activity of brain stem neurons in baroreceptor-denervated cats. Gebber GL, et al. **Am J Physiol** 1981 May;240(5):R348–55

Implantable stimulating electrode for baroreceptor afferent nerves in rabbits. Karemaker JM, et al. **Am J Physiol** 1980 Nov;239(5):H706–9

Effect of volume expansion on pressor response to angiotensin II in pregnant ewes. Matsuura S, et al. **Am J Physiol** 1981 Jun;240(6):H908–13

Contrasting reflexes evoked by chemical activation of cardiac afferent nerves. Reimann KA, et al. **Am J Physiol** 1980 Sep;239(3):H316–25

Increased activity of carotid sinus baroreceptors by sympathetic stimulation and norepinephrine. Tomomatsu E, et al. **Am J Physiol** 1981 Apr;240(4):H650–8

Cardiovascular and body fluid changes after aortic baroreceptor deafferentation. Werber AH, et al. **Am J Physiol** 1981 May;240(5):H685–90

Coronary circulation after suppression of barorecptor reflexes (preliminary observations). Dalla Valle R, et al. **Boll Soc Ital Biol Sper** 1981 Feb 15;57(3):253–8

The effect of halothane with nitrous oxide on baroreflex control of heart rate in man. Duke PC, et al. **Can Anaesth Soc J** 1980 Nov;27(6):531–4

The effect of nitrous oxide on baroreceptor function in newborn and adult rabbits. Duncan PG, et al. **Can Anaesth Soc J** 1981 Jul;28(4):339–41

The effect of the carotid sinus baroreceptor reflex on blood flow and volume redistribution in the total systemic vascular bed of the dog. Brunner MJ, et al. **Circ Res** 1981 Feb;48(2):274–85

Regional vasomotor responses to the somatopressor reflex from muscle. Nutter DO, et al. **Circ Res** 1981 Jun;48(6 Pt 2):I98–103

The influence of fiber composition, recruitment order and muscle temperature on the pressor response to isometric contractions in skeletal muscle of the cat. Petrofsky JS, et al. **Circ Res** 1981 Jun;48(6 Pt 2):I32–6

Angiotensin and the cardiac baroreflex response to phenylephrine. Lee WB, et al. **Clin Exp Pharmacol Physiol** 1981 Mar–Apr;8(2):109–17

Does the baroreceptor-heart rate reflex indicate the capacity of the arterial baroreceptors to control blood pressure? Ludbrook J, et al. **Clin Exp Pharmacol Physiol** 1980 Sep–Oct;7(5):499–503

Is substance P the transmitter at the first synapse of the baroreceptor reflex in rats and cats? Haeusler G, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:295s–297s

Rapid onset of vascular wall protein synthesis with increase in lability of blood pressure in rabbits. MacLean AG, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:327s–329s

Role of alpha 1- and alpha 2-adrenoceptors in the modulation of the baroreflex vagal bradycardia. Huchet AM, et al. **Eur J Pharmacol** 1981 May 22;71(4):455–61

Acute sino-aortic denervation in rats produces a selective increase of adrenaline turnover in the dorsal midline area of the caudal medulla oblongata and a reduction of adrenaline levels in the anterior and posterior hypothalamus. Yukimura T, et al. **Eur J Pharmacol** 1981 Jan 29;69(3):361–5

Pontine neurones: electrophysiological evidence of mediating carotid baroreceptor inputs to supraoptic neurones in rats. Kannan H, et al. **Exp Brain Res** 1981;42(3–4):362–70

Influence of cervical sympathetic nerve stimulation on carotid sinus baroreceptor afferents. Bolter CP, et al. **Experientia** 1980 Nov 15;36(11):1301–2

Physiological and pharmacological characterization of the area postrema pressor pathways in the normal dog. Ferrario CM, et al. **Hypertension** 1979 May–Jun;1(3):235–45

Opiate analogs, substance P, and baroreceptor reflexes in the rabbit. Petty MA, et al. **Hypertension** 1981 May–Jun;3(3 Pt 2):I142–7

Relative contributions of aortic and carotid sinus baroreceptors to the baroreceptor-heart rate reflex of the conscious rabbit. Blombery PA, et al. **J Auton Nerv Syst** 1979 Dec;1(2):161–71

Baroreceptor and chemoreceptor reflexes in postganglionic neurones supplying skeletal muscle and hairy skin. Blumberg H, et al. **J Auton Nerv Syst** 1980 Oct;2(3):223–40

Modification of carotid baroreceptor function by electrical stimulation of the ganglioglomerular nerve. Brattström A. **J Auton Nerv Syst** 1981 Jun;4(1):81–92

Epinephrine suppression of efferent activity of the adrenal nerve. Hirano T, et al. **J Auton Nerv Syst** 1980 Mar; 1(3):283–90

Influence of the input from left and right arterial baroreceptors on left inferior cardiac nerve activity in cats. Szulczyk P, et al. **J Auton Nerv Syst** 1980 Dec;2(4):355–64

Effect of carotid sinus baroreceptor reflex on responses to phenylephrine and nitroprusside in anesthetized cats. Greenway CV, et al. **J Cardiovasc Pharmacol** 1981 Jan–Feb;3(1):169–77

Baroreflex sensitivity in an amphibian, rana catesbeiana, and a reptilian, Pseudemys scripta elegans. Millard RW, et al. **J Exp Zool** 1980 Aug;213(2):283–8

Maturation of sympathetic neurotransmission in the rat heart. V. Development of baroreceptor control of sympathetic tone. Bartolome J, et al. **J Pharmacol Exp Ther** 1980 Dec; 215(3):596–600

Modulatory effect of brain acetylcholine on reflex-induced bradycardia and tachycardia in conscious rats. Caputi AP, et al. **J Pharmacol Exp Ther** 1980 Nov;215(2):309–16

Regeneration of barosensitivity in the aortic nerve of cats when severed and transposed on various vessels in the neck. Arndt JO, et al. **J Physiol (Lond)** 1981 Feb;311:453–61

Effects of dynamic and static neck suction on muscle nerve sympathetic activity, heart rate and blood pressure in man. Båth E, et al. **J Physiol (Lond)** 1981 Feb;311:551–64

Phase relationship between normal human respiration and baroreflex responsiveness. Eckberg DL, et al. **J Physiol (Lond)** 1980 Jul;304:489–502

Influence of sino-aortic baroreceptor denervation on catecholamines, catecholamine-synthesizing enzymes and choline acetyltransferase activity in the brainstem nuclei of the rat. Nakamura K, et al. **Jpn J Pharmacol** 1981 Feb; 31(1):95–105

Systemic arterial hypertension in rats exposed to short-term isolation; intra-arterial systolic and diastolic blood pressure and baroreflex sensitivity. Gardiner SM, et al. **Med Biol** 1980 Aug;58(4):232–9

Evidence suggesting a transmitter or neuromodulatory role for substance P at the first synapse of the baroreceptor reflex. Haeusler G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Nov; 314(2):111–21

Substance P as a baro- and chemoreceptor afferent neurotransmitter: immunocytochemical and neurochemical evidence in the rat. Helke CJ, et al. **Peptides (Fayetteville)** 1980 Spring;1(1):1–9

The effect of common carotid artery occlusion on blood pressure in the barodenervated cat. Borgdorff P, et al. **Pfluegers Arch** 1980 Jul;386(2):193–7

Effect of changes in baroreceptor input on the intensity of shivering in the anaesthetised cat. Little RA, et al. **Pfluegers Arch** 1980 Apr;384(3):261–5

Reflex responses of single renal sympathetic fibres to stimulation of atrial receptors and carotid baro- and chemoreceptors. Kidd C, et al. **Q J Exp Physiol** 1981 Jul; 66(3):311–20

The responses in renal nerves to stimulation of atrial receptors, carotid sinus baroreceptors and carotid chemoreceptors. Linden RJ, et al. **Q J Exp Physiol** 1981 Apr;66(2):179–91

Neural organisation and control of the baroreceptor reflex. Spyer KM. **Rev Physiol Biochem Pharmacol** 1981;88:24–124 (452 ref.)

[Baroreceptors capable of inducing the biosynthesis and release of prostaglandins (PG) and of modulating adrenergic neurotransmission in the myocardium] Huu CP, et al. **C R Acad Sci [D] (Paris)** 1980 Jun 30;290(24):1549–52 (Eng. Abstr.) **(Fre)**

[Heart cycle related sensitivity of the pressor receptor reflex before and after dissection of the carotid sinus nerves] Warzel H, et al. **Acta Biol Med Ger** 1980;39(11–12):1189–95 (Eng. Abstr.) **(Ger)**

[New viewpoints on the pathophysiology and pathogenesis of arterial hypertension] Linss G, et al. **Z Gesamte Inn Med** 1980 Sep 15;35(18):88–91 (Eng. Abstr.) **(Ger)**

[Reflex control of arterial pressure in the non-anesthetized cat] Ferrari A, et al. **Boll Soc Ital Cardiol** 1980;25(2):123–30 **(Ita)**

[Effect of nonachlazine on the cardiac component of baroreceptor reflexes in unanesthetized cats] Medvedev OS, et al. **Biull Eksp Biol Med** 1980 Sep;90(9):309–11 (Eng. Abstr.) **(Rus)**

[Relationship between neural and renal mechanisms in the genesis of reflexogenic arterial hypertension] Gurevich MI, et al. **Fiziol Zh** 1980 Nov–Dec;26(6):723–729 (Eng. Abstr.) **(Rus)**

[Certain patterns in baroreflex regulation of hemodynamics. Studies using a mathematical model] Palets BL. **Fiziol Zh** 1980 Nov–Dec;26(6):751–7 (Eng. Abstr.) **(Rus)**

[Level at which baroreflex sympatho–inhibitory effects are achieved] Lebedev VP, et al. **Fiziol Zh SSSR** 1980 Jul; 66(7):1015–23 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Abnormalities in baroreflex control of heart rate in canine heart failure. White CW. **Am J Physiol** 1981 May; 240(5):H793–9

Modulation of the somatic reflex by carotid baroreceptors and by cardiopulmonary afferents in animals and in humans. Abboud FM, et al. **Circ Res** 1981 Jun;48(6 Pt 2):I131–7

Baroreceptor function in spontaneously hypertensive rats. Effect of preventing hypertension. Andresen MC, et al. **Circ Res** 1980 Dec;47(6):829–34

Carotid sinus baroreceptor reflex control of the circulation in medial sclerotic and renal hypertensive rabbits and its modification by the aortic baroreceptors. Angell–James JE, et al. **Circ Res** 1980 Dec;47(6):890–901

Operational sensitivity and acute resetting of aortic baroreceptors in dogs. Coleridge HM, et al. **Circ Res** 1981 May;48(5):676–84

Chronic localized hypotension and resetting of carotid sinus baroreceptors. Electrophysiological and histological studies in the dog. Igler FO, et al. **Circ Res** 1981 Sep;49(3):649–54

Coarctation of the aorta and baroreceptor resetting. A study of carotid baroreceptor stimulus–response characteristics before and after surgical repair in the dog. Igler FO, et al. **Circ Res** 1981 Mar;48(3):365–71

Partition of carotid sinus baroreceptor response in dogs with chronic renal hypertension. Koushanpour E, et al. **Circ Res** 1981 Feb;48(2):267–73

Baroreflex sensitivity in rabbits during the development of experimental renal hypertension and medial sclerosis. Angell–James JE, et al. **Clin Exp Hypertens** 1980 Feb; 2(2):321–40

The baroreceptor reflexes in experimental hypertension. Liard JF. **Clin Exp Hypertens** 1980;2(3–4):479–98 (50 ref.)

Pathogenic and therapeutic significance of cardiovascular pressor reactivity as related to plasma catecholamines in borderline and established essential hypertension. Weidmann P, et al. **Clin Exp Hypertens** 1980;2(3–4):427–49

Alterations of cardiovascular reflexes in hypertension. Zanchetti A, et al. **Clin Exp Hypertens** 1980;2(3–4):451–64 (19 ref.)

Baroreflex sensitivity changes during the development of Goldblatt two–kidney one–clip hypertension in rats. Jones JV, et al. **Clin Sci** 1980 Nov;59(5):347–52

Blood pressure variability in man: its relation to high blood pressure, age and baroreflex sensitivity. Mancia G, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:401s–404s

Abnormal baroreflex control of heart rate in prehypertensive and hypertensive Dahl genetically salt–sensitive rats. Gordon FJ, et al. **Hypertension** 1981 May–Jun;3(3 Pt 2):I135–41

[Baroreceptors in the physiopathology and clinical aspects of arterial hypertension] Carretta R, et al. **G Clin Med** 1980 Oct;61(10):740–58 (73 ref.) (Eng. Abstr.) **(Ita)**

[Analysis of the sensitivity of baroreceptors during the chronic phase of renovascular hypertension in the rat] Carretta R, et al. **Minerva Nefrol** 1980 Oct–Dec;27(4):593–7 (Eng. Abstr.) **(Ita)**

[Baroreceptor reflex in essential hypertension] Ozawa T. **Nippon Rinsho** 1980 Sep;38(9):3169–75 **(Jpn)**

[Baroreceptor reflex in Chagas disease] Caeiro TF, et al. **Medicina (B Aires)** 1980;40 Suppl 1:27–32 (Eng. Abstr.) **(Spa)**

SURGERY

Continuous blood pressure measurement in rats with aortic baroreceptor deafferentation. Fink GD, et al. **Am J Physiol** 1981 Aug;241(2):H268–72

ULTRASTRUCTURE

Ultrastructure of baroreceptors in the carotid sinus of the rabbit. Knoche H, et al. **Acta Anat (Basel)** 1980;106(1):63–83

[De– and regeneration of baroreceptor sinus fibers] Knoche H, et al. **Bibl Anat** 1981;(19):317–21 **(Ger)**

PRESSURE

see related
ATMOSPHERIC PRESSURE
BLOOD PRESSURE
MANOMETRY

The effect of intraluminal pressure upon the frequency of intestinal contraction waves. Hukuhara T, et al. **Acta Med Okayama** 1980 Jun;34(3):169–74

Colloid osmotic and hydrostatic pressures in chronic subdural haematomas. Gjerris F, et al. **Acta Neurochir (Wien)** 1980; 54(1–2):53–60

Secondary driving forces affecting transcapillary osmotic flows in perfused heart. Vargas FF, et al. **Am J Physiol** 1981 Apr;240(4):H457–64

Effect of therapy with the pneumatic end–diastolic leg compression boot on peripheral vascular tests and on the clinical course of peripheral vascular disease. Dillon RS. **Angiology** 1980 Sep;31(9):614–38

The role of hydrostatic pressure in ischemic brain edema. Kogure K, et al. **Ann Neurol** 1981 Mar;9(3):273–82

Pneumococcal otitis media following middle ear deflation. Meyerhoff WL, et al. **Ann Otol Rhinol Laryngol** 1981 Jan–Feb;90(1 Pt 1):72–6

Surface pressure distribution of the human body in the recumbent position. Garfin SR, et al. **Arch Phys Med Rehabil** 1980 Sep;61(9):409–13

Pressure control of ultrafiltration rate with high–flux dialysis membranes. Kablitz C, et al. **Artif Organs** 1981 May; 5(2):162–7

Pressure–induced inactivation of sarcoplasmic reticulum adenosine triphosphatase during high–speed centrifugation. Champeil P, et al. **Biochemistry** 1981 Mar 17;20(6):1520–4

Effect of hydrostatic pressure upon ethidium bromide association with transfer ribonucleic acid. Torgerson PM, et al. **Biochemistry** 1980 Aug 19;19(17):3957–60

Effect of arachidonic acid on oviductal pressure in the domestic hen. Wechsung E, et al. **Biol Reprod** 1981 Apr; 24(3):519–22

Statistical mechanical analysis of Raman spectroscopic order parameter changes in pressure–induced lipid bilayer phase transitions. Yager P, et al. **Biophys J** 1980 Sep;31(3):359–70

Althesin, ketamine and methohexitone at pressure–duration of action of a single i.v. dose. Shearer AJ, et al. **Br J Anaesth** 1981 May;53(5):455–61

High–pressure water jet injury. De Beaux JL. **Br Med J** 1980 Jun 14;280(6229):1417–8

Maximal transrespiratory pressures in obstructive lung disease. Decramer M, et al. **Bull Eur Physiopathol Respir** 1980 Jul–Aug;16(4):479–90

Influence of static and oscillatory pressure/strain on 131I–albumin uptake by the wall of the isolated pig thoracic aorta. Batten JR, et al. **Cardiovasc Res** 1980 Oct; 14(10):590–600

Progress toward resolving the controversy of positive Vs. negative interstitial fluid pressure. Brace RA. **Circ Res** 1981 Aug;49(2):281–97 (107 ref.)

Factors affecting the tolerance of muscle circulation and function for increased tissue pressure. Matsen FA 3d, et al. **Clin Orthop** 1981 Mar–Apr;(155):224–30

Subcutaneous interstitial pressure in man and dogs exposed to heat and exercise stress. Davis HA, et al. **Eur J Applied Physiol** 1980;44(2):117–22

Effect of administering a high dosage glucocorticoid bolus on the survival and subcapsular hydrostatic pressure of rat kidney allografts.. Wagner E, et al. **Eur Surg Res** 1980; 12(3):179–85

Measuring tracheal tube cuff pressures–tool and technique. Bouvier JR. **Heart Lung** 1981 Jul–Aug;10(4):686–90

Analysis of the urethral pressure profile using a mechanical model. Gilmour RF, et al. **Invest Urol** 1980 Jul;18(1):54–8

The pressure–flow relationship of the normal ureter. Woodside JR, et al. **Invest Urol** 1980 Jul;18(1):82–3

Nonhomogeneous alveolar pressure swings in the presence of airway closure. Brown R, et al. **J Appl Physiol** 1980 Sep;49(3):398–402

Interactions between permeability and hydrostatic pressure in perfused dogs' lungs. Huchon GJ, et al. **J Appl Physiol** 1981 Apr;50(4):905–11

Change in human blood plasma pH with pressure. Morild E. **J Appl Physiol** 1981 Feb;50(2):320–4

The action of high hydrostatic pressure on the membrane currents of Helix neurones. Harper AA, et al. **J Physiol (Lond)** 1981 Feb;311:325–39

Pressure therapy for hypertrophic scarring: preliminary communication. Robertson JC, et al. **J R Soc Med** 1980 May;73(5):348–54

Sepsis reduces the threshold hydrostatic pressure necessary for pulmonary edema in baboons. Kohler JP, et al. **J Surg Res** 1981 Feb;30(2):129–34

Hydrostatic pressure changes related to paracellular shunt ultrastructure in proximal tubule. Maunsbach AB, et al. **Kidney Int** 1980 Jun;17(6):732–48

A new pressure–sensitive ingestible radio–telemetric capsule. Browning C, et al. **Lancet** 1981 Sep 5;2(8245):504–5

Measurement of the hydrostatic pressures of the cochlear compartments. Feldman AM, et al. **Neurol Res** 1979; 1(1):11–8

Biological limits of temperature and pressure. Morita RY. **Orig Life** 1980 Sep;10(3):215–22

Deformations due to in–utero compression. Smith DW. **Pediatr Ann** 1981 Jul;10(7):8–14

Childhood intussusception: hydrostatic reducibility and incidence of leading points in different age groups. Eklöf OA, et al. **Pediatr Radiol** 1980 Nov;10(2):83–6

Chronic central vascular expansion induces hypokalemia in conscious primates. Moore–Ede MC, et al. **Physiologist** 1980 Dec;23(Suppl 6):S123–4

Intraperitoneal pressure: ascitic fluid and splanchnic vascular pressures, and their role in prevention and formation of ascites. Henriksen JH, et al. **Scand J Clin Lab Invest** 1980 Oct;40(6):493–501

Biting pressure measured with pressure measuring sheet. Hirano S, et al. **Shika Rikogaku Zasshi** 1980 Jul; 21(55):194–200

The possibility of dental applications on pressure measuring sheet. Hirano S, et al. **Shika Rikogaku Zasshi** 1980 Jul; 21(55):185–93

Combined influence of temperature and hydrostatic pressure on cardiac conduction. Doubt TJ, et al. **Undersea Biomed Res** 1980 Sep;7(3):211–23

Hyperbaric chamber for evaluating hydrostatic pressure effects on tissues and cells. Hogan PM, et al. **Undersea Biomed Res** 1981 Mar;8(1):51–8

Effects of high hydrostatic pressure on rat atrial muscle. Ornhagen HC, et al. **Undersea Biomed Res** 1981 Jun; 8(2):113–20

Spontaneous activity of rat portal vein at normal and elevated hydrostatic pressure. Sigurdsson SB, et al. **Undersea Biomed Res** 1980 Sep;7(3):171–81

Hydrostatic changes of the systolic digital blood pressure. Gundersen J. **Vasa** 1980;9(3):197–200

[Mechanism of negative pressure production during epidural puncture (author's transl)] Zhu WB. **Chung Hua Wai Ko Tsa Chih** 1981 Mar;19(3):166–7 (Eng. Abstr.) **(Chi)**

[Hydrostatic distension of the bladder: technique and indications. 89 cases (author's transl)] Debré B, et al. **Nouv Presse Med** 1981 Jan 10;10(1):21–4 (Eng. Abstr.) **(Fre)**

[Hydrostatic distension of the bladder] Steg A, et al. **Nouv Presse Med** 1981 Jan 10;10(1):19–20 **(Fre)**

[Audiometric studies of divers under the effect of hyperbaric actions (author's transl)] Tantchev KS, et al. **Rev Otoneuroophtalmol** 1980 Jan–Feb;52(1):33–41 (Eng. Abstr.) **(Fre)**

[Value of various cystotonometric parameters] Bänninger U, et al. **Gynaekol Rundsch** 1980 Jun;20 Suppl 1:126–8 **(Ger)**

[Localized compression with phleborollers] Varady Z. **Vasa** 1981;10(2):171–2 (Eng. Abstr.) **(Ger)**

[Long bone healing after transverse osteotomy under constant interfragmentary compression. Animal experiments (author's transl)] Pflüger G. **Wien Klin Wochenschr [Suppl]** 1980;92(119 Suppl):1–30 (89 ref.) (Eng. Abstr.) **(Ger)**

[Measurement of intraarticular pressure in the hip of young rabbits (author's transl)] Barta O, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1980; 23(3):204–8 (Eng. Abstr.) **(Hun)**

[Technic for measuring capillary hydrostatic pressure in organs and tissues] Dvoretskiĭ DP. **Fiziol Zh SSSR** 1981 Apr;67(4):614–8 **(Rus)**

ADVERSE EFFECTS

Changes in CNS responses to high pressure during maturation of newborn mice. Mansfield W, et al. **J Appl Physiol** 1980 Sep;49(3):390–7

Reflux of duodenal contents into the pancreatic duct of dogs. Hendricks JC, et al. **J Lab Clin Med** 1980 Nov;96(5):912–21

Differential response of skin and muscle in the experimental production of pressure sores. Nola GT, et al. **Plast Reconstr Surg** 1980 Nov;66(5):728–33

[Piezogenic papules in unusual localisation (author's transl)] Hadlich J, et al. **Dermatol Monatsschr** 1980 Jun; 166(6):412–4 (Eng. Abstr.) **(Ger)**

[Experimental electron microscopy research on the pathogenesis of deformities of the extremities due to vascular damage] Bracaglia R, et al. **Chir Patol Sper** 1979 Oct;27(5):413–25 (Eng. Abstr.) **(Ita)**

[Effect of increaed pressure on the hip joint in animal experiments] Leydo R. **Chir Narzadow Ruchu Ortop Pol** 1980;45(3):229–32 (Eng. Abstr.) **(Pol)**

PRESSURE SUITS see **G SUITS**

PRETHCAMIDE

PHARMACODYNAMICS

[Pharmacologically–induced coughing and sneezing] Tomori Z, et al. **Cesk Fysiol** 1981 May;30(3):287–8 **(Slo)**

PREVENTION, PRIMARY see **PRIMARY PREVENTION**

PREVENTIVE DENTISTRY

see related
DENTAL CLINICS
HEALTH EDUCATION, DENTAL

Computers in preventive dentistry. Marthaler TM, et al. **Int Dent J** 1980 Sep;30(3):201–13

Emphasis on preventive dentistry by a study club. Soffer A. **J Am Dent Assoc** 1981 May;102(5):665–6

A comparison of preventive dentistry attitudes among three Air Force professional subgroups. Jerman AC, et al. **Milit Med** 1980 Dec;145(12):847–8

[Practical prophylaxis in dental practice (including portions of the Swiss Society of Odontostomatology 1980 public survey)] Frey M. **SSO** 1980 Sep;90 Spec No:796–802 (Eng. Abstr.) **(Ger)**

[Dental medicine changing] Hutzli HR. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Apr;91(4):227–8 **(Ger)**

[Preventive aspects in the planning and design of fixed restorations] Staegemann G. **Stomatol DDR** 1980 Nov; 30(11):791–4 **(Ger)**

ECONOMICS

Economic aspects of a caries preventive program. Klock B. **Community Dent Oral Epidemiol** 1980 Apr;8(2):97–102

EDUCATION

Training the Royal Air Force dental branch in preventive care. Bashaarat AH. **Br Dent J** 1980 Sep 16;149(6):183–4

Answers from dentists, dental hygienists and dental assistants to questions asked by patients concerning preventive dental matters. Eijkman MA, et al. **Community Dent Oral Epidemiol** 1980 Oct;8(7):339–46

HISTORY

A modern pioneer in preventive dentistry––Sumter S. Arnim, DDS, PhD: teacher, researcher, and National Dental Consultant. An interview by Arden G. Christen. Arnim SS. **Aeromed Rev** 1979 Jun;(1):1–80

Extracts from the last century. Dental preventive medicine. **Br Dent J** 1981 Jul 7;151(1):23

METHODS

A national strategy for prevention. A general dental practitioner's personal view. Edwards RM. **Br Dent J** 1981 Jul 21;151(2):43–4

The dentist as an obstacle–a philosophy. Bernier JL. **Int J Orthod** 1981 Jun;19(2):22–6

TRENDS

[Prophylaxis in dentistry––yesterday, today and tomorrow] Eggers W. **Zahnaerztliche Mitteilungen** 1980 Oct 16; 70(20):1291–6 **(Ger)**

[Methods of prevention in the caries prevention activities of the Clinic of Conservative Dentistry] Bánóczy J. **Fogorv Sz** 1980 Dec;73(12):363–6 (Eng. Abstr.) **(Hun)**

PREVENTIVE HEALTH SERVICES

see related

IMMUNIZATION

Changes in smoking, serum cholesterol and blood pressure levels during a community-based cardiovascular disease prevention program––the North Karelia Project. Salonen JT, et al. **Am J Epidemiol** 1981 Jul;114(1):81–94

Illness prevention and health promotion services provided by nurse practitioners: predicting potential consumers. Pender NJ, et al. **Am J Public Health** 1980 Aug; 70(8):798–803

Types of preventive health cues given to high–risk individuals. Lovvorn J. **Heart Lung** 1981 May–Jun; 10(3):520–4

Programme for disability prevention and medical rehabilitation in countries of South–East Asia region. Thangavelu M. **Int Rehabil Med** 1980;2(3):153–5

A study of preventive health attitudes and behaviors in a family practice setting. David AK, et al. **J Fam Pract** 1980 Jul;11(1):77–84

Problems of hilltribe people and integrated development. Vichitbandha P, et al. **J Med Assoc Thai** 1981 Apr; 64(4):159–73

Occupational health services and the prevention of non–occupational disease [editorial] Semmence A. **J R Soc Med** 1981 Jul;74(7):475–7

Family Health Fair focuses on total person. Mathews Z. **Occup Health Saf** 1980 Oct;49(9):19, 26

ADAMHA's mission of prevention [editorial] Klerman GL. **Public Health Rep** 1981 Jan–Feb;96(1):preceding 1

The periodic health examination: comparison of recommendations and internists' performance. Romm FJ, et al. **South Med J** 1981 Mar;74(3):265–71

[Preventive care of healthy people by the occupational physician] Emel'ianova GF, et al. **Sov Zdravookhr** 1981; (6):25–8 **(Rus)**

[Role of the hospital kin promoting awareness of disease prevention in socialist health services] Stec J. **Cesk Zdrav** 1981 Jun;29(6):247–50 (Eng. Abstr.) **(Slo)**

ECONOMICS

Cost–effectiveness of primary and secondary prevention. Cox S, et al. **Health Soc Work** 1980 May;5(2):56–60

The costs and benefits of prevention. **J Public Health Policy** 1980;1(4):285–92

Prevention and rehabilitation as a means of cost containment: the example of myocardial infarction. Luginbuhl WH, et al. **J Public Health Policy** 1981 Jun;2(2):103–15

The federal budget is dangerous to your health [editorial] Whalen RP. **J Public Health Policy** 1980;1(3):193–4

Cost–benefit analysis of a prenatal preventive programme against congenital syphilis. Stray–Pedersen B. **NIPH Ann** 1980 May;3(1):57–66

Factors that differentiate smokers from exsmokers in a Florida metropolitan area. Dzegede SA, et al. **Public Health Rep** 1981 Jul–Aug;96(4):326–34

[Cost benefit analysis and preventive screening] Vandenbroucke JP. **Ned Tijdschr Geneeskd** 1981 Feb 14; 125(7):276–8 **(Dut)**

HISTORY

[Rates and proportions of the development of prophylactic medical care in the USSR] Golovteev VV, et al. **Sov Zdravookhr** 1980;(12):9–13 **(Rus)**

LEGISLATION & JURISPRUDENCE

Health department legal liability for injuries in vaccination programs. Curran WJ. **Am J Public Health** 1980 Nov; 70(11):1215–6

Expanded programme on immunization in India: progress report. Basu RN. **Indian J Pediatr** 1980 Sept–Oct; 47(388):361–5

A statewide approach to diethylstilbestrol––the New York program. Glebatis DM, et al. **N Engl J Med** 1981 Jan 1; 304(1):47–50

ORGANIZATION & ADMINISTRATION

Poliomyelitis in the Netherlands. Bijkerk H. **Dev Biol Stand** 1981;47:233–40

Preventive education and treatment for difficulties related to sexuality: a method for organizing campus resources. Gram JM, et al. **J Am Coll Health Assoc** 1981 Jun; 29(6):306–7

Health surveillance in an acute care–oriented population. Sarlin MD. **J SC Med Assoc** 1980 Sep;76(9):431–5

Periodic preventive health screening schedule for adult men and women. Lindberg SC. **Nurse Pract** 1980 Sep–Oct; 5(5):9–11, 13, 21

[Premorbidity. Intervention in the early period of disease] Friza H. **MMW** 1980 Oct 24;122(43):1492–4 **(Ger)**

[Health education and preventive medicine] Biener K. **Oeff Gesundheitswes** 1981 Jan;43(1):40–7 **(Ger)**

[Prevention in the frame of health education of the regional health insurance in Ile–de–France] Gormezano R. **Oeff Gesundheitswes** 1981 Feb;43(2):89–92 **(Ger)**

[Complex technical outfitting of health care and preventive health establishments] Ananin VF, et al. **Sov Zdravookhr** 1981;(6):37–44 **(Rus)**

[Automated planning and accounting system for prophylactic immunization of the population] Selidovkin DA, et al. **Sov Zdravookhr** 1980;(8):20–5 **(Rus)**

STANDARDS

Evaluating a health risk reduction program. Nagelberg DB. **J Am Coll Health Assoc** 1981 Jun;29(6):269–71

Got a Minute? [editorial] Hoekelman RA. **Pediatrics** 1980 Dec;66(6):1013–4

[Morbidity of the workers and employees in phosphorus manufacturing enterprises and the standards for their requirements in therapeutic and preventive care] Petrov PP, et al. **Sov Zdravookhr** 1981;(1):39–44 **(Rus)**

SUPPLY & DISTRIBUTION

The third Lord Cohen Lecture: the wider responsibilities of the physician. Owen D. **R Soc Health J** 1981 Jun; 101(3):85–8

[Current problems of constructing a network of pediatric therapeutic and prophylactic institutions] Grebesheva II. **Sov Zdravookhr** 1981;(5):22–5 **(Rus)**

[Opinion survey on the distribution of medical and preventive medical institutions serving workers in industrial enterprises] Salatich AI, et al. **Sov Zdravookhr** 1981;(6):45–8 **(Rus)**

TRENDS

The challenge of prevention. Bauer KG, et al. **Forum (Wash)** 1981;5(2):16–25

Partnerships for the future in preventive health care (turn around, look at us). McCracken BE. **J Fla Med Assoc** 1980 Sep;67(9):817–25

Marketing principles and the future of preventive health care. Quelch JA. **Milbank Mem Fund Q** 1980 Spring; 58(2):310–47

Health care in China [letter] Li FP, et al. **N Engl J Med** 1981 Sep 3;305(10):590

Prevention and health: no body's business. Quigley PA. **Public Health** 1981 Mar;95(2):97–9

[Classical forms of prevention. Attitudes and expectations in a Lorraine population] d'Houtaud A. **Cah Sociol Demogr Med** 1979 Oct–Dec;19(4):130–7 **(Fre)**

[Trends in preventive care for children and juveniles] Grosch C, et al. **Paediatr Grenzgeb** 1979;18(6):375–80 (Eng. Abstr.) **(Ger)**

[The effects of a high emphasis on prophylaxis in ambulatory medical care] Dahm I, et al. **Z Aerztl Fortbild (Jena)** 1980 Dec 15;74(24):1140–3 **(Ger)**

[Primary health care––its role in implementation of modern forms of overcoming major common diseases (author's transl)] Lukasik S. **Przegl Lek** 1980;37(5):449–52 **(Pol)**

[Development of the prophylactic trend in Soviet public health] Burenkov SP, et al. **Sov Zdravookhr** 1981;(3):3–7 **(Rus)**

UTILIZATION

The needs of under–fives [editorial] **Lancet** 1981 Jan 10; 1(8211):84–5

PREVENTIVE MEDICINE

Prevention for multifactorial diseases. Walter SD. **Am J Epidemiol** 1980 Sep;112(3):409–16

The ups and downs of prevention [editorial] Yankauer A. **Am J Public Health** 1981 Jan;71(1):6–9

Evaluation in clinical behavioral medicine. Hart L. **Am Psychol** 1980 Aug;35(8):771–2

Starting on prevention in practice [editorial] **Br Med J [Clin Res]** 1981 Mar 7;282(6266):760

African customs in relation to preventive medicine. Gelfand M. **Cent Afr J Med** 1981 Jan;27(1):1–8

Population impact of mortality reduction: the effects of elimination of major causes of death on the 'saved' population. Manton KG, et al. **Int J Epidemiol** 1980 Jun; 9(2):111–20

Diet and disease. Burkitt D. **Ir Med J** 1981 Feb;74(2):36–8

General practitioner attitudes to aspects of preventive medicine. Daly LE, et al. **Ir Med J** 1980 Jul;73(7):260–4

Challenges facing bovine practice––preventive medicine opportunities. Dorn CR. **J Am Vet Med Assoc** 1980 Apr 15;176(8):731–4 (25 ref.)

Partnerships for the future in preventive health care (turn around, look at us). McCracken BE. **J Fla Med Assoc** 1980 Sep;67(9):817–25

The physician–patient relationship in preventive medicine: reply to Robert Dickman. Pellegrino ED. **J Med Philos** 1980 Sep;5(3):208–12

James Mackenzie Lecture 1978. Ill fares the land. Yellowlees WW. **J R Coll Gen Pract** 1979 Jan;29(198):7–21

The epidemiologic basis of prevention: how much data do we need? Szklo M. **Johns Hopkins Med J** 1981 Aug; 149(2):64–70

Health and prevention in primary care [editorial] **Lancet** 1981 Feb 14;1(8216):366–7

The ultimate in preventive medicine [editorial] **Lancet** 1981 Apr 4;1(8223):762

Why people are hospitalized. A description of preventable factors leading to admission for medical illness. Mason WB, et al. **Med Care** 1980 Feb;18(2):147–63

Point of view––a role for 'nutritional insurance' supplementation in preventive medicine. McCarty MF. **Med Hypotheses** 1981 Feb;7(2):171–85

How to advise your patients who plan to travel. Johnson WD Jr. **Med Times** 1981 Mar;109(3):71–4, 79

Healers [letter] **N Engl J Med** 1981 Feb 26;304(9):543–5

Controlling the communicable and the man–made diseases [editorial] Rutstein DD. **N Engl J Med** 1981 Jun 4; 304(23):1422–4

Mortality and health education/prevention [letter] Newman IM. **NZ Med J** 1981 May 27;93(684):355–6

How much prevention is good? [editorial] Strasser AL. **Occup Health Saf** 1981 Feb;50(2):11, 14, 16

Health can be a bargain [editorial] Fleming TC. **Postgrad Med** 1981 Aug;70(2):13, 16

Remarks on presentation of American College of Preventive Medicine Award to Katharine Boucot Sturgis, M.D. 26th annual meeting of the American College of Preventive Medicine, November 4, 1979, New York City. Deuschle KW. **Prev Med** 1981 Jan;10(1):110–1

Factors associated with the maintenance of positive health behavior. Mechanic D, et al. **Prev Med** 1980 Nov; 9(6):805–14

Eradication [editorial] Stetten D Jr. **Science** 1980 Dec 12; 210(4475):1203

Risks and benefits in preventive medicine. Rose G. **Tidsskr Nor Laegeforen** 1981 Apr 30;101(12):722–7

Toward an index of preventable mortality. Woolsey TD. **Vital Health Stat [2]** 1981 May;2(85):1–37

Preventive medicine in practice: the state of the art. Maron DJ. **West J Med** 1981 Apr;134(4):367–72

[Can diseases be eradicated ?] Penttinen K. **Duodecim** 1981; 97(3):123–6 **(Fin)**

[The periodic medical examination] **Union Med Can** 1979 Dec;108(12 Suppl):1–48 (318 ref.) **(Fre)**

[Preventive measures within the framework of the health care structure] Buser K. **Fortschr Med** 1980 Sep 18; 98(35):1315–6, 1325 **(Ger)**

[Introduction to the theme: Benefits and dangers of preventive measures] Riecker G, et al. **Internist (Berlin)** 1981 Feb;22(2):53–6 **(Ger)**

[Conversion of investigation results into practice, represented by the example of an exploratory program for health control of children and youngsters between 0 and 18 years of age] Müller D, et al. **Paediatr Grenzgeb** 1979;18(6):443–9 (Eng. Abstr.) **(Ger)**

[Hebrew medical amulets] Davis E. **Harefuah** 1980 Sep; 99(5–6):132–3 (Eng. Abstr.) **(Heb)**

[Prevention and participation in the cardiology service. Functional prospects of today's Cardiology Centers] Seppilli A. **G Ital Cardiol** 1980;10(12):1731–3 **(Ita)**

[Possible role of a pediatrician, introduced into collegiate organizations and in a School Medicine Study Commission of a teaching group, in an experimental preventive pediatrics and health education undertaking] Chiara F, et al. **Minerva Pediatr** 1981 Jan 31;33(2):73–9 **(Ita)**

[Epidemiology and contemporary problems in public health] Teodorovici G, et al. **Rev Med Chir Soc Med Nat Iasi** 1980 Apr–Jun;84(2):207–12 **(Rum)**

ECONOMICS

Developing an aggressive approach to prevent medicine. Liswood S. **Dimens Health Serv** 1980 Oct;57(10):34–5

[Health leagues and public preventive work (editorial)] Abelin T. **Soz Praeventivmed** 1980 Sep;25(4):156–61 **(Ger, Fre)**

EDUCATION

Preventive medicine redefined. Moore G. **J Med Educ** 1981 Apr;56(4):358–60

A general model for preventive intervention in clinical

practice. Segall A, et al. **J Med Educ** 1981 Apr;56(4):324–33
[Reply to H.-P. Wolff's article, 'Prophylaxis in the Study Plan and Teaching Program of the Special Course of Nursing', Z. ges. Hyg. 25 (1979), 9, 696–698] **Z Gesamte Hyg** 1980 Mar 3;26(3):212–3 **(Ger)**
[Role of health and hygiene departments in the training of physicians in preventive medicine] Rumiantsev GI, et al. **Gig Sanit** 1980 Oct;(10):3–5 **(Rus)**
[The teaching of public health at Chilean medical schools (author's transl)] Medina Lois E. **Rev Med Chil** 1980 Oct; 108(10):945–55 (Eng. Abstr.) **(Spa)**

HISTORY

The natural history of preventive medicine, or breaking the chains of causation. Taylor. **Br Med J** 1980 Sep 27; 281(6244):849–53
[Hygiene and prevention in Avicenna] Aroua A. **Tunis Med** 1980 Jul–Aug;58(4):556–61 **(Fre)**
[From traditional to preventive medicine: analysis of health reforms in Quebec] Reid D. **Union Med Can** 1980 May; 109(5):774–7 (Eng. Abstr.) **(Fre)**
[Role of the Sanitary Hygiene Department in training physicians in preventive medicine and in the development of industrial hygiene (on the 50th anniversary of the formation of the Sanitary Hygiene Department of the I. M. Sechenov I Moscow Medical Institute)] Tarasenko NIu. **Gig Tr Prof Zabol** 1980 Oct;(10):29–32 **(Rus)**
[V. I. Lenin concerning the preventive trend in Soviet public health (on the 110th anniversary of the birth of Vladimir Il'ich Lenin)] Vorontsova EI, et al. **Gig Tr Prof Zabol** 1980 Apr;(4):1–4 **(Rus)**
[Basic trends in preventive medicine in a health and hygiene department (1930–1980)] Kuz'min MK, et al. **Sov Med** 1981; (5):115–9 **(Rus)**

METHODS

[Preventive medicine--a task in the field of tension between science and politics] Neuhaus GA. **MMW** 1981 Jul 17; 123(29–30):1165–6 **(Ger)**

STANDARDS

[Do we have to condemn preventive medicine based on 'health examinations'?] Sachs C, et al. **Nouv Presse Med** 1980 Sep 20;9(33):2298–9 **(Fre)**

TRENDS

Trends in prophylactic medicine. Brede HD. **Arb Paul Ehrlich Inst Georg Speyer Haus Ferdinand Blum Inst** 1980;74:1–12
Out of step [editorial] **Br Med J** 1980 Dec 20–27; 281(6256):1663
Preventive medicine a new perspective. Schulkind ML. **J Fla Med Assoc** 1981 Jun;68(6):447–9
Contempo '81. Public health and preventive medicine. Peterson DR. **JAMA** 1981 Jun 5;245(21):2216–8
Delivery of health care in Papua New Guinea: now and the future. Naraqi S. **Papua New Guinea Med J** 1979 Sep; 22(3):167–9
An ounce of surgery for a pound of cure. Moody FG. **Pharos** 1980 Fall;43(4):19–21
Katharine Boucot Sturgis Lecture prevention and world health: the next two decades. Foege WB. **Prev Med** 1981 Jan;10(1):112–7

PREVENTIVE PSYCHIATRY see under **COMMUNITY PSYCHIATRY**

PRIAPISM

CHEMICALLY INDUCED

Priapism: an unusual complication of heparin therapy for sudden deafness. Clark SK, et al. **Am J Otolaryngol** 1981 Feb;2(1):69–72
[Case of priapism] Chevalier C. **Acta Urol Belg** 1980 Oct; 48(4):478–80 (Eng. Abstr.) **(Fre)**
[A case of juvenile priapism (author's transl)] Stosch M, et al. **Klin Paediatr** 1980 Sep;192(5):488–91 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Pripism of the proximal penis. Llado J, et al. **J Urol** 1980 May;123(5):779–80
[Intermittent priapism] Iunda IF, et al. **Urol Nefrol (Mosk)** 1980 Sep–Oct;(5):41–4 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Provoked priapism in sickle cell anemia. Conrad ME, et al. **Am J Hematol** 1980;9(1):121–2
Priapism in a non-black with sickle cell anemia associated with alpha-thalassemia. Fich A, et al. **Am J Hematol** 1981; 10(3):313–5
Priapism complicating chronic granulocytic leukemia. Suri R, et al. **Am J Hematol** 1980;9(3):295–9
Priapism and impotence in homozygous sickle cell disease. Emond AM, et al. **Arch Intern Med** 1980 Nov; 140(11):1434–7
Priapism in primary thrombocythemia. Welford C, et al. **Arch Intern Med** 1981 May;141(6):807–8
Priapism of the clitoris. Lozano GB, et al. **Br J Urol** 1981 Aug;53(4):390
Priapism after aortic valve replacement. Salerno TA, et al. **Can J Surg** 1981 Mar;24(2):202–3
Priapism as a complication of intravenous feeding. Nally CV, et al. **Ir J Med Sci** 1981 Feb;150(2):45–6
Partial priapism. Johnson GR, et al. **J Urol** 1980 Jul; 124(1):147–8
[Malignant priapism caused by an adenocarcinoma of the kidney] Carol EJ. **Ned Tijdschr Geneeskd** 1980 Aug 9; 124(32):1342–5 (Eng. Abstr.) **(Dut)**

PATHOLOGY

Penile gangrene: an unusual complication of priapism. How to avoid it? Khoriaty N, et al. **Urology** 1980 Sep;16(3):280–3

SURGERY

Changing surgical concepts in the treatment of priapism. Ercole CJ, et al. **J Urol** 1981 Feb;125(2):210–1
Priapism: review of simple surgical procedure. Fuselier HA Jr, et al. **J Urol** 1980 May;123(5):778
Caverno-saphenous shunt in the treatment of priapism. Ihekwaba FN, et al. **Postgrad Med J** 1981 Feb; 57(664):132–5
Results of glando-cavernous anastomosis in 18 cases of priapism. Lund K, et al. **Scand J Plast Reconstr Surg** 1980; 14(3):269–72
[Priapism; a surgical emergency] Lesieur P. **Phlebologie** 1980 Oct–Dec;33(4):717–23 (Eng. Abstr.) **(Fre)**
[Priapism – therapy and long term results] Marx FJ, et al. **Med Welt** 1980 Nov 21;31(47):1699–703 **(Ger)**
[Priapism in a child] Jenny P. **Z Kinderchir Grenzgeb** 1980 Jun;30(2):162–5 (Eng. Abstr.) **(Ger)**
[Priapism--a urologic emergency] Mewis F, et al. **Z Urol Nephrol** 1981 Feb;74(2):101–8 (Eng. Abstr.) **(Ger)**
[Treatment of a case of priapism with the technic of external drainage of the corpora cavernosa] Mattassi R, et al. **Minerva Urol** 1981 Jan–Mar;33(1):21–6 **(Ita)**
[Treatment of priapism with the creation of a glandocavernosum fistula] Sesia G, et al. **Minerva Urol** 1981 Jan–Mar;33(1):17–20 **(Ita)**
[Surgical treatment of acute priapism] Mazo EB, et al. **Urol Nefrol (Mosk)** 1980 Nov–Dec;(6):24–31 (Eng. Abstr.) **(Rus)**
[Surgical methods of treating priapism] Novikov IF. **Urol Nefrol (Mosk)** 1980 Sep–Oct;(5):39–41 (Eng. Abstr.) **(Rus)**

THERAPY

Priapism--conservative treatment versus surgical procedures. Forsberg L, et al. **Br J Urol** 1981 Aug;53(4):374–7
Treatment of spontaneous priapism by embolisation of internal pudendal artery. Wafula JM, et al. **Br Med J [Clin Res]** 1981 Jan 31;282(6261):363–4
Non-incisional therapy for priapism. Bennett AH, et al. **J Urol** 1981 Feb;125(2):208–9
Idiopathic priapism successfully treated by unilateral embolization of internal pudendal artery. Carmignani G, et al. **J Urol** 1980 Oct;124(4):553–4
Evaluation and treatment of priapism. Wasmer JM, et al. **J Urol** 1981 Feb;125(2):204–7
Priapism [editorial] Winter CC. **J Urol** 1981 Feb;125(2):212
Embolization for genitourinary disorders. Benson RC Jr, et al. **Urology** 1980 Dec;16(6):587–91
[Sickle cell priapism. Therapeutic considerations in the light of 23 cases (author's transl)] Tshipeta, et al. **J Urol (Paris)** 1980;86(9):699–702 (Eng. Abstr.) **(Fre)**
[Priapismus. Clinical observations and treatment (author's transl)] Piasecki Z. **Przegl Lek** 1980;37(11):765–9 **(Pol)**

VETERINARY

Penile erection in the horse after acepromazine [letter] Lucke JN, et al. **Vet Rec** 1979 Jul 7;105(1):21–2

PRILOCAINE

A lidocaine-prilocaine cream for superficial skin surgery and painful lesions. Juhlin L, et al. **Acta Derm Venereol (Stockh)** 1980;60(6):544–6

ADVERSE EFFECTS

Acute toxic methemoglobinemia following dental analgesia. Ludwig SC. **Ann Emerg Med** 1981 May;10(5):265–6

METABOLISM

A comparative study on the retention of 3H lignocaine and 3H prilocaine in the presence of various vasoconstrictors. Almasi W, et al. **Aust Dent J** 1980 Dec;25(6):316–8

PHARMACODYNAMICS

Prilocaine – barium chloride antagonism in the cardiovascular system of anesthetized dogs. Oliveira-Filho RM, et al. **Acta Physiol Lat Am** 1978;28(2–3):121–6
Prilocaine effect on aconitine-induced arrhythmias. Quevedo M, et al. **Acta Physiol Lat Am** 1978;28(4–5):201–7
Glucagon-stimulated adenylate cyclase detects a selective perturbation of the inner half of the liver plasma-membrane bilayer achieved by the local anaesthetic prilocaine. Houslay MD, et al. **Biochem J** 1980 Jul 15;190(1):131–7
Effects of local anesthetics on aerobic and anaerobic metabolism of the dental pulp. Engström C, et al. **Swed Dent J** 1980;4(3):119–23
[Effects of lidocaine, mepivacaine and prilocaine on the detrusor muscle of the rat urinary bladder] Lograno MD, et al. **Boll Soc Ital Biol Sper** 1979 Apr 15;55(7):682–8 (Eng. Abstr.) **(Ita)**

PRIMACLONE see **PRIMIDONE**

PRIMAQUINE

ADMINISTRATION & DOSAGE

Comparative efficacies of quinine and chloroquine as companions to primaquine in a curative drug regimen. Schmidt LH. **Am J Trop Med Hyg** 1981 Jan;30(1):20–5

ANALYSIS

Spectrophotometric determination of primaquine phosphate in pharmaceutical preparations. Abou Ouf AA, et al. **Analyst** 1980 Nov;105(1256):1113–8

BLOOD

[The effect of pyracrini phosphas on plasma primaquine level following combined administration to rats (author's transl)] Qu ZX, et al. **Yao Hsueh Hsueh Pao** 1980 Oct;15(10):633–5 (Eng. Abstr.) **(Chi)**

METABOLISM

Plasma kinetics and urinary excretion of primaquine in man. Greaves J, et al. **Br J Clin Pharmacol** 1980 Oct; 10(4):399–404
Tissue distribution of primaquine in the rat. Holbrook DJ Jr, et al. **Pharmacology** 1981;22(5):330–6

PHARMACODYNAMICS

Chloroquine- and primaquine-induced alterations of glucose metabolism in the uninfected red cell. Kelman SN, et al. **Biochem Pharmacol** 1981 Jan 1;30(1):81–7
The hemolytic effect of primaquine V. Primaquine sensitivity as a manifestation of a multiple drug sensitivity. Dern RJ, et al. **J Lab Clin Med** 1981 Jun;97(6):750–9
Effect of a single dose of primaquine on a Thai strain of Plasmodium falciparum. Chomcharn Y, et al. **Southeast Asian J Trop Med Public Health** 1980 Sep; 11(3):408–12
Immunosuppression caused by primaquine [letter] Ponnampalam JT. **Trans R Soc Trop Med Hyg** 1979; 73(4):473–4
Normal immunological responses in mice treated with chloroquine, quinine and primaquine. Thong YH, et al. **Trans R Soc Trop Med Hyg** 1981;75(1):108–9
[Hemolytic effect of primaquine and the protective properties of sodium formate in vitro] Grinberg LN, et al. **Med Parazitol (Mosk)** 1981 Mar–Apr;50(2):54–7 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Malaria in children. Kumar A, et al. **Am Fam Physician** 1981 Aug;24(2):147–9
Primaquine liposomes in the chemotherapy of experimental murine malaria. Pirson P, et al. **Ann Trop Med Parasitol** 1980 Aug;74(4):383–91
Response to 600 mg amodiaquine base with 45 mg primaquine as presumptive treatment in chloroquine resistant Plasmodium falciparum infection in Assam. Barkakaty BN, et al. **Indian J Med Res** 1980 Aug;72:191–3

URINE

Urinary primaquine excretion and red cell methaemoglobin levels in man following a primaquine:chloroquine regimen. Greaves J, et al. **Br J Clin Pharmacol** 1980 Sep;10(3):293–5

PRIMARY CARE PHYSICIANS see **PHYSICIANS, FAMILY**

PRIMARY HEALTH CARE

Caring: a philosophy for practice. Gilfoyle E. **AJOT** 1980 Aug;34(8):517–21
Creative caring. King LJ. **AJOT** 1980 Aug;34(8):522–8
Occupational therapy's role in creating a future climate of caring. Yerxa EJ. **AJOT** 1980 Aug;34(8):529–34
Primary health care for urban children and youth: the role of local health departments. Chang A. **Am J Public Health** 1981 Jan;71(1 Suppl):31–3
A federal view of local health departments. McGinnis JM. **Am J Public Health** 1981 Jan;71(1 Suppl):83–4
Physician influence on patient compliance: a clinical trial. Waggoner DM, et al. **Ann Emerg Med** 1981 Jul; 10(7):348–52
Patient-physician concordance in problem identification in the primary care setting. Freidin RB, et al. **Ann Intern Med** 1980 Sep;93(3):490–3
Where have all the doctors gone? Physician choices between specialty and primary care practice. Steinberg EP, et al. **Ann Intern Med** 1980 Oct;93(4):619–23
Developing a psychosocial educational program for primary

care physicians: needs assessment and evaluation baseline. Cohen-Cole SA, et al. **Annu Conf Res Med Educ** 1980; (19):275-80

Symposium: Medical student education for rural practice: influence of curriculum and learning site. Kaufman A, et al. **Annu Conf Res Med Educ** 1980;(19):315-23

Proximate and long-term effects of early exposure to primary care. Osterweis M, et al. **Annu Conf Res Med Educ** 1980; (19):40-5

Symposium: Educational models in primary care. Wolfson EA, et al. **Annu Conf Res Med Educ** 1980;(19):303-13

OR experience teaches continuity of care. Hercules PA. **AORN J** 1980 Nov;32(5):799-806

Family practice and primary care. Another internist's perspective [editorial] Dale DC. **Arch Intern Med** 1981 Jul; 141(8):982-3

Learning primary care in a primary care setting. Ramírez Rivera J, et al. **Bol Asoc Med PR** 1980 Jun;72(6):315-9

The relevance of early parental experiences to adult dependency, hypochondriasis and utilization of primary physicians. Parker G, et al. **Br J Med Psychol** 1980 Dec; 53(4):355-63

Following up patients with rheumatoid arthritis [letter] Binnie GA. **Br Med J** 1980 Sep 13;281(6242):745-6

Equity and the NHS: self-reported morbidity, access, and primary care. Collins E, et al. **Br Med J** 1980 Oct 25; 281(6248):1111-5

Computers in primary care: where next? Turner RD, et al. **Br Med J** 1980 Oct 11;281(6246):1020-1

Inner London general practice [letter] **Br Med J [Clin Res]** 1981 Jan 31;282(6261):402-3

Primary care in inner London: inadequate and exposed [editorial] **Br Med J [Clin Res]** 1981 May 30; 282(6278):1739-40

A night at the opera: RSM meeting on delivering primary care in inner cities. Burkhart S. **Br Med J [Clin Res]** 1981 May 2;282(6274):1441-2

General Practitioner and the World Health Organisation. Essex BJ. **Br Med J [Clin Res]** 1981 Feb 7;282(6262):446-8

Social class inequality in access to primary care: a critique of recent research. Scott-Samuel A. **Br Med J [Clin Res]** 1981 Aug 15;283(6289):510-1

The changing role of the Canadian physician in the Third World. Carpenter P. **Can Med Assoc J** 1981 Mar 1; 124(5):610-22

Advanced Internal Medicine (AIM). The Training Program in Primary Care Internal Medicine at the University of Connecticut School of Medicine. Davidoff F. **Conn Med** 1981 Mar;45(3):167-74

Continuity of care. A patient-centered model. Bernstein SB, et al. **Gen Hosp Psychiatry** 1981 Mar;3(1):59-63

Evaluating the impact of a continuity-of-care program on discharged inpatients. Joseph B, et al. **Hosp Community Psychiatry** 1981 Aug;32(8):574-5

Continuity of care aim of program. Coon M, et al. **Hospitals** 1981 Sep 16;55(18):81, 84

Only the patient is the same in hospitals and nursing homes. Miller DB. **Hospitals** 1981 Jul 16;55(14):83-5

Primary health care [editorial] Ghosh S. **Indian Pediatr** 1980 Dec;17(12):913-5

The family clinic--an experiment in primary health care in Nigeria. Ojo MA. **Int Nurs Rev** 1980 Sep-Oct;27(5):154-5

Shuval automated problem-oriented record: an off-line record for a primary care clinic. Margolis CZ, et al. **Isr J Med Sci** 1981 Feb-Mar;17(2-3):170-5

Morbidity recording in primary medical care and its use for community diagnosis. Yekutiel P. **Isr J Med Sci** 1981 Feb-Mar;17(2-3):160-9

Reorganization of a medical house staff (firm system): its effect on accessibility and continuity of care. Horan MJ, et al. **J Community Health** 1980 Fall;6(1):6-17

Travel for primary care: expectation and performance in a rural setting. Shannon G, et al. **J Community Health** 1979 Winter;5(2):113-25

Continuity as an attitudinal contract. Banahan BF Jr, et al. **J Fam Pract** 1981 Apr;12(4):767-8

Geriatrics, specialism, and primary care. Geyman JP. **J Fam Pract** 1981 Jan;12(1):15-7

Relationship of physician continuity to type of health problems in primary care. Godkin MA, et al. **J Fam Pract** 1981 Jan;12(1):99-102

Measuring continuity of care in a family practice residency program. Patten RC, et al. **J Fam Pract** 1980 Jul; 11(1):67-71

Medical student values, socialization, and primary care career choices. Plovnick MS. **J Fam Pract** 1980 Aug;11(2):323-4

The NAPCRG process classification for primary care. Tindall HL, et al. **J Fam Pract** 1981 Feb;12(2):309-18

The management of psychocial problems in primary medical care: a potential role for social work. Mechanic D. **J Human Stress** 1980 Dec;6(4):16-21

Primary care training in a traditional medical residency: an ambulatory care rotation. Goodson JD, et al. **J Med Educ** 1980 Nov;55(11):950-2

HMO development for primary care team teaching of medical and nursing students. Osterweis M, et al. **J Med Educ** 1980 Sep;55(9):743-50

Medication noncompliance: a randomized trial for primary care skill instruction. Rudd P, et al. **J Med Educ** 1981 Jan; 56(1):59-61

Effects of full- or part-time schedules on continuity in primary care education. Wollstadt LJ, et al. **J Med Educ** 1980 Dec;55(12):1027-9

The home visit in the multidisciplinary teaching of primary care physicians. Young R, et al. **J Med Educ** 1981 Apr; 56(4):341-6

Continuing care unit: a model of services for chronic psychiatric patients. Davies MA. **J Psychiatr Nurs** 1981 Feb;19(2):42-5

Computers in primary care [editorial] **J R Coll Gen Pract** 1980 Jul;30(216):387-8

Ghana--medical care amid economic problems. Bacon L. **J R Coll Gen Pract** 1980 Jul;30(216):433-6

McConaghey Memorial Lecture. From the Dart to the Tagus. Horder JP. **J R Coll Gen Pract** 1980 Oct; 30(219):585-92

Paediatric primary care in inner London. Jackson J. **J R Coll Gen Pract** 1980 Sep;30(218):520-8

Spatial patterns of surgery attendance: some implications for the provision of primary health care. Phillips DR. **J R Coll Gen Pract** 1980 Nov;30(220):688-95

The development of a district community psychology service. Wijesinghe B. **J R Coll Gen Pract** 1981 Feb; 31(223):113-5

The diabetic, the hospital and primary care. Wilkes E, et al. **J R Coll Gen Pract** 1980 Apr;30(213):199-206

Hypertension in primary care. An international symposium held at Reykjavik, Iceland, April 1978. **J R Coll Gen Pract [Occas Pap]** 1980 Jul;(12):1-38

Stresses in the primary health care team. Beales G. **J R Coll Gen Pract [Occas Pap]** 1980;(14):5-7

Assessment of patient/doctor continuity in primary medical care. Ejlertsson G. **J R Coll Gen Pract [Occas Pap]** 1980 May;(10):7-10

Primary health care for the elderly. Huygen FJ. **J R Coll Gen Pract [Occas Pap]** 1980 May;(10):18-21

A survey of primary care in London: report prepared for the Royal College of General Practitioners. Jarman B. **J R Coll Gen Pract [Occas Pap]** 1981 May;(16):1-139

Problem behaviour in primary health care. Lamberts H. **J R Coll Gen Pract [Occas Pap]** 1980 May;(10):24-8

A model for use in shared teaching. Smail S. **J R Coll Gen Pract [Occas Pap]** 1980;(14):17-9

Early school health: an analysis of its impact on primary care. Hanson MA, et al. **J Sch Health** 1980 Dec; 50(10):577-80

From the classroom to the community: teaching primary health workers. Walt G, et al. **J Trop Med Hyg** 1980 Aug; 83(4):161-4

Electrocardiographic training in primary care residency programs. Pinkerton RE, et al. **JAMA** 1981 Jul 10; 246(2):148-50

Health and prevention in primary care [editorial] **Lancet** 1981 Feb 14;1(8216):366-7

Pathways to psychiatric care [editorial] **Lancet** 1981 Feb 28; 1(8218):482

Primary care in London [editorial] **Lancet** 1981 Jun 6; 1(8232):1244

General practitioner as first contact [letter] Barley SL. **Lancet** 1980 Sep 27;2(8196):697-8

Need general practitioner be patient's first contact with health service? Saint-Yves IF. **Lancet** 1980 Sep 13; 2(8194):578-80

The contributions of consumer health education to primary care practice: a review. Bartlett EE. **Med Care** 1980 Aug; 18(8):862-71 (72 ref.)

Seeing the same doctor: determinants of satisfaction with specialty care for disabled children. Breslau N, et al. **Med Care** 1981 Jul;19(7):741-58

A comment on 'Continuity of care: does it contribute to quality of care?' [letter] Chen MK. **Med Care** 1980 Sep; 18(9):969-74

Assessing the performance of medical care systems: a method and its application. Nutting PA, et al. **Med Care** 1981 Mar; 19(3):281-96

Continuity of care: does it contribute to quality of care? Roos LL, et al. **Med Care** 1980 Feb;18(2):174-84

Primary health care. Pauli HG. **Med Educ** 1980 Sep;14(5 Suppl):16-8

Communication really is vital. Gammon DA. **Med J Aust** 1980 Jun 28;1(13):663-4

Primary care at public hospitals [letter] Walpole B. **Med J Aust** 1981 Jun 13;1(12):660

Primary care nurse practitioners within the Army health care system: expectations and perceptions of the role. Southby JR. **Milit Med** 1980 Oct;145(10):659-65

The Bush Clinical Fellow Program--a new approach to improving rural health care through physician career development. Rogstad TL, et al. **Minn Med** 1981 Mar; 64(3):176-8

The Role of the primary physician in the health-care 'industry'. Almy TP. **N Engl J Med** 1981 Jan 22; 304(4):225-8

Primary care in local health departments [editorial] Felts JH. **NC Med J** 1981 Mar;42(3):183

Primary care in local health departments: the practitioners' view. Kaluzny AD, et al. **NC Med J** 1981 Mar;42(3):167-8

The Nurse Practitioner Rating Form. Part I: Conceptual development and potential uses. Prescott PA, et al. **Nurs Res** 1981 Jul-Aug;30(4):223-8

Standard treatments--a must but a myth. Lennox CE, et al. **Papua New Guinea Med J** 1979;22(2):140-4

Perceived first contact care for disabled children. Okamoto GA, et al. **Pediatrics** 1981 Apr;67(4):530-5

Primary care of previously institutionalized retarded children. Schor EL, et al. **Pediatrics** 1981 Apr;67(4):536-40

The role of subspecialists in primary medical care. Sigel L, et al. **Perspect Biol Med** 1980 Autumn;24(1):122-8

Primary health care in the People's Republic of China. Taylor RB. **Postgrad Med** 1981 Aug;70(2):69-76

The periodic health examination. Rose SD. **Primary Care** 1980 Dec;7(4):653-65

The biopsychosocial model and primary care. Weiss RJ. **Psychosom Med** 1980;42(1 Suppl):123-30

Expectation of death: case reports with implications for medical and psychiatric care. Jensen GD. **Psychother Psychosom** 1980;33(4):198-204

Ambulatory care in the community. Rabin DL, et al. **Public Health Rep** 1980 Nov-Dec;95(6):511-9

The nursing team in primary health care and the voluntary contribution. Hoadley DM. **R Soc Health J** 1980 Oct; 100(5):171-3

The hospital emergency department as the primary source of medical care. Magnusson G. **Scand J Soc Med** 1980; 8(3):149-56

Evaluating the interview in primary care medicine. Barsky AJ, et al. **Soc Sci Med [Med Psychol Med Sociol]** 1980 Dec;14A(6):653-8

Patient attitudes toward health care: expectations of primary care in a clinic setting. Greene JY, et al. **Soc Sci Med [Med Psychol Med Sociol]** 1980 Mar; 14(2):133-8

Interdisciplinary teaming in primary care: a process of evolution and resolution. Lee S. **Soc Work Health Care** 1980 Spring;5(3):237-44

Survey of knowledge among primary health care workers in diabetes. Leichter SB, et al. **South Med J** 1980 Sep; 73(9):1243-6

Psychiatric disturbances seen in primary care: when to treat and when to refer. Shraberg D. **South Med J** 1981 Apr; 74(4):438-43

Ayurvedic medicine and primary health care. Fendall NR. **Trop Doct** 1981 Apr;11(2):81-5

The mother's card: a simplified aid for primary health workers. Shah KP, et al. **WHO Chron** 1981 Feb;35(2):51-3

[Comprehensive primary health care in rural areas] Baard AP. **S Afr Med J** 1981 Feb 28;59(9):302-4 (Eng. Abstr.) **(Afr)**

[Primary health care by the hospital physician] van Staden DA. **S Afr Med J** 1981 Feb 28;59(9):305-6 (Eng. Abstr.) **(Afr)**

[Health care tasks of general practice] Brecht JG. **MMW** 1981 Mar 20;123(12):462-4 **(Ger)**

[Primary health care: strategy for extending services to marginal populations] Vargas Tentori F. **Bol Of Sanit Panam** 1981 Jan;90(1):1-9 (Eng. Abstr.) **(Spa)**

[Primary health care and medical education (author's transl)] Donoso Infante A. **Rev Med Chil** 1981 Jan;109(1):83-90 (Eng. Abstr.) **(Spa)**

[Priority of primary care - obstacles and suggestions for suitable measures] Borgenhammar E, et al. **Nord Med** 1981 Mar;96(3):87-8 **(Swe)**

[The Egilsstadir project. Problem-oriented medical records for better treatment of patients in a primary care centre] Sigurosson G. **Nord Med** 1981 Feb;96(2):57-8 **(Swe)**

CLASSIFICATION

An empirical definition of 'primary care'. Farrow S, et al. **J Community Health** 1980 Winter;6(2):92-102

ECONOMICS

A company-instituted program to improve blood pressure control in primary care. Alderman MH, et al. **Isr J Med Sci** 1981 Feb-Mar;17(2-3):122-8

Use of the international classification of health problems in primary care (ICHPPC-2) for reimbursement. Froom J, et al. **J Fam Pract** 1980 Oct;11(4):609-20

Primary health care and traditional medicine--considering the background of changing health care concepts in Africa. Bichmann W. **Soc Sci Med [Med Anthropol]** 1979 Sep;13 B(3):175-82

HISTORY

The health care profession on the threshold of the eighties: physician and nurse. Weiss GN, et al. **J La State Med Soc** 1980 Oct;132(10):151-4

MANPOWER

Evaluation of rural primary health care services in Iran: report on vital statistics in West Azarbaijan. Barzegar MA, et al. **Am J Public Health** 1981 Jul;71(7):739-42

Primary care in Colorado. A needs assessment. Fryer GE Jr, et al. **Colo Med** 1980 Jul;77(7):264-8

Training folk practitioners as PHWs in rural India. Moynihan M, et al. **Int J Health Educ** 1980;23(3):167-78

Applications of health care research to child health services: a problematic relationship. Pless IB, et al. **Isr J Med Sci** 1981 Feb-Mar;17(2-3):192-200

Where does primary care begin? The health facilitator as a central figure in primary care. Salber EJ. **Isr J Med Sci** 1981 Feb-Mar;17(2-3):100-11

New health professions after a decade and a half: delegation, productivity and costs in primary care. Record JC, et al.

J Health Polit Policy Law 1980 Fall;5(3):470–97

Specialty and location of recent medical school graduates in Georgia--implications for primary care. Jablonowski AR, et al. **J Med Assoc Ga** 1980 Nov;69(11):895–8

Strategies for a statewide approach to improving geographic distribution of health professionals. Fulton GP, et al. **J Med Educ** 1980 Oct;55(10):865–71

Factors influencing the physician market for primary care new health practitioners. Cherkin DC. **Med Care** 1980 Nov; 18(11):1097–113

Delegation potential of primary care visits by physician assistants, medex and primex. Rabin DL, et al. **Med Care** 1980 Nov;18(11):1114–25

Increasing the yield of primary care–oriented practitioners from residency programs in internal medicine. A marked enrichment of the ambulatory experience and a commitment to primary care are essential. Wartman SA, et al. **RI Med J** 1980 Dec;63(12):483–6

The closing of a physician's assistant program. Payne RA, et al. **Wis Med J** 1980 Jul;79(7):17–8

[Primary health care: general practitioners or basic specialists? (author's transl)] Repetto G. **Rev Med Chil** 1980 Jun;108(6):551–7 (Eng. Abstr.) **(Spa)**

METHODS

Delivery of primary medical care through a health team approach: philosophy, strategy, and methods. Gruber FJ. **Bull Pan Am Health Organ** 1980;14(2):150–5

Epidemiology and primary health care. Morrell DC, et al. **Isr J Med Sci** 1981 Feb–Mar;17(2–3):92–9

The telephone in primary care. Curtis P, et al. **J Community Health** 1981 Spring;6(3):194–203

Effect of hospital–based primary care setting on internists' use of inpatient hospital resources. Gold M, et al. **Med Care** 1981 Feb;19(2):160–71

A controlled clinical trial of 'family care' compared with 'child–only care' in the comprehensive primary care of children. San Agustin M, et al. **Med Care** 1981 Feb; 19(2):202–22

Reduction of mortality in rural Haiti through a primary–health–care program. Berggren WL, et al. **N Engl J Med** 1981 May 28;304(22):1324–30

Medicine men (traditional medical practitioners) in primary health care and the role of traditional medicine towards modern medicine. Werner R. **Oeff Gesundheitswes** 1980; 42(9):637–56 **(Eng, Ger)**

ORGANIZATION & ADMINISTRATION

Primary health care and the local health department: the North Carolina experience. Tilson HH, et al. **Am J Public Health** 1981 Jan;71(1 Suppl):35–45

First line health care: facts, problems, solutions. A report based on the National Research programme in Social Sciences. Programmation of the directorate for sciences, 1978, Belgium. Vuylsteek K, et al. **Arch Belg Med Soc** 1980 Apr;38(4):197–221

Proposals for a trial marriage between primary and secondary health care in one or two districts in Inner London. Dickinson CJ. **Br Med J [Clin Res]** 1981 Aug 8; 283(6288):417–9

Lessons from Canada. House W. **Br Med J [Clin Res]** 1981 Apr 25;282(6273):1366–7

A view from the World Health Organization: primary care. Kaprio LA. **Community Med** 1980 Aug;2(3):248–50

How lengths of office visits vary when primary care practices employ physician assistants. Ekwo EE, et al. **Inquiry** 1980 Summer;17(2):145–54

A patient education system for a rural primary care centre. Sullivan ME. **Int J Health Educ** 1981;24(2):113–7

Development of primary health care. Collière MF. **Int Nurs Rev** 1980 Nov–Dec;27(6):169–72

The community medicine–primary care connection. Deuschle KW, et al. **Isr J Med Sci** 1981 Feb–Mar; 17(2–3):86–91

Community–focused health care: introduction. Kark SL, et al. **Isr J Med Sci** 1981 Feb–Mar;17(2–3):65–70 (35 ref.)

Distance learning for primary health care. Morley D. **Isr J Med Sci** 1981 Feb–Mar;17(2–3):184–91

The public general satellite clinic as a model for a U.S. National Health Service. Kahn HS, et al. **J Public Health Policy** 1980;1(4):360–9

Mental health as an integrant of primary medical care. Shepherd M. **J R Coll Gen Pract** 1980 Nov;30(220):657–64

The Nijmegen Intervention Project. van Ree JW. **J R Coll Gen Pract [Occas Pap]** 1980 Jul;(12):14–5

Mental health services and primary medical care [letter] Shepherd M. **J R Soc Med** 1980 Mar;73(3):219–20

The costs involved in running a fully computerized primary care system for a district. Sparrow J, et al. **Med Inf (Lond)** 1980 Jul–Sep;5(3):181–92

Training and management for primary health care. Fendall NR. **Proc R Soc Lond [Biol]** 1980 Jul 28;209(1174):97–109

Rural health care looks to the future. Issues in the institutionalization and management of rural health care: making technology appropriate. Golladay FL, et al. **Proc R Soc Lond [Biol]** 1980 Jul 28;209(1174):173–80

Integrating primary health care and mental health services: a preliminary report. Goldman HH, et al. **Public Health Rep** 1980 Nov–Dec;95(6):535–9

Primary care in Puerto Rico. Ramírez de Arellano AB, et al. **Public Health Rev** 1979 Oct–Dec;8(4):391–403

The Day Hospitals Organization. Smith JA. **S Afr Med J** 1981 Apr 18;59(17):609–10

The self–help component of primary health care. Robinson D. **Soc Sci Med [Med Psychol Med Sociol]** 1980 Oct; 14A(5):415–21

Community involvement in solving local health problems. Twumasi PA. **Soc Sci Med [Med Psychol Med Sociol]** 1981 Mar;15A(2):169–74

Diabetic care: an integrated subspecialty and primary care approach. Pohl SL, et al. **South Med J** 1981 Jan;74(1):37–40

Blindness prevention: training auxiliary personnel in eye care. **WHO Chron** 1980 Sep;34(9):332–5

[Basic continuity problems in the leading components of public health] Kirillov VV. **Sov Zdravookhr** 1980;(12):13–7 (Eng. Abstr.) **(Rus)**

[Organization of primary medical health care for rural inhabitants] Petrov PP. **Sov Zdravookhr** 1980;(9):3–6 (Eng. Abstr.) **(Rus)**

[Primary medical care by health teams: basic principles, strategy, and methods] Gruber FJ. **Bol Of Sanit Panam** 1981 Apr;90(4):304–10 (Eng. Abstr.) **(Spa)**

STANDARDS

The medication seminar and primary care education. Gallagher RM 3d, et al. **Gen Hosp Psychiatry** 1981 Mar; 3(1):16–23

Evaluating primary ambulatory care with a health information system. Given CW, et al. **J Fam Pract** 1981 Feb;12(2):293–302

The point accuracy of paediatric population registers. Heward J, et al. **J R Coll Gen Pract** 1980 Jul;30(216):412–6

Assessment of patient/doctor continuity in primary medical care. Ejlertsson G **J R Coll Gen Pract [Occas Pap]** 1980 May;(10):7–10

Effectiveness of patient care in a primary care clinic. Zuckerman HS, et al. **Med Care** 1980 Oct;18(10):1001–12

Economic aspects of village health. Elliott C. **Proc R Soc Lond [Biol]** 1980 Jul 28;209(1174):71–82

Assurance of quality of the provision of primary medical care by non–professionals. Habicht JP. **Soc Sci Med [Med Anthropol]** 1979 Jan;13 B(1):67–75

[Current medicine, the other side of the coin] Aulbers BJ. **Ned Tijdschr Geneeskd** 1981 Jan 3;125(1):2–4 **(Dut)**

[Treatment acceptance and house calls] Händel K. **Med Welt** 1980 Jun 20;31(25):969–71 **(Ger)**

TRENDS

Who shall deliver primary care? [editorial] Yankauer A. **Am J Public Health** 1980 Oct;70(10):1048–50

Health care trends in the United States. Golden WT. **Dan Med Bull** 1980 May;27 Suppl 1:9–14

Health care trends in Denmark. Worm–Petersen J. **Dan Med Bull** 1980 May;27 Suppl 1:6–9

Hospital planning should provide for family role in care. Sigmond RM. **Hospitals** 1981 Jun 16;55(12):63–4

Current trends and issues in nursing in the United States: the primary health care nurse practitioner. Kotthoff ME. **Int Nurs Rev** 1981 Jan–Feb;28(1):24–8

Annual convocation of IMA College of General Practitioners. Presidential Address. Menda RK. **J Indian Med Assoc** 1980 Jun 1;74(11):210–6

The changing face of army primary care [editorial] **J R Army Med Corps** 1981 Jun;127(2):63–4

Patient participation in primary health care. Graffy JP. **J R Coll Gen Pract** 1980 Sep;30(218):542–5

Computers in primary care. Report of the computer working party. **J R Coll Gen Pract [Occas Pap]** 1980 Jun;(13):1–19

The coming oversupply of neurologists in the 1980s. Implications for neurology and primary care. Menken M. **JAMA** 1981 Jun 19;245(23):2401–3

Patterns of primary care utilization in a triethnic urban population of school children. Brink SG, et al. **Med Care** 1981 Jun;19(6):591–9

Mental health and primary medical care. **Publ Group Adv Psychiatry** 1980 Jun;10(105):699–775

A geographic framework for coordination of needs assessment for primary medical care in California. Smeloff EA, et al. **Public Health Rep** 1981 Jul–Aug;96(4):310–4

At the crossroads of primary health care. Saint–Yves IF. **R Soc Health J** 1981 Feb;101(1):33–6

Remodelling the staff of Aesculapius. Tsalikis G. **Soc Sci Med [Med Psychol Med Sociol]** 1980 Mar; 14(2):97–106

[Hospitals and health for all in the year 2000] Mahler H. **Can J Public Health** 1980 Nov–Dec;71(6):391–4 **(Fre)**

[Basic health care for rural women in the GDR with special reference to changed working and living conditions in the economy] Knabe H, et al. **Z Gesamte Hyg** 1980; 26(8):609–12 (Eng. Abstr.) **(Ger)**

[Primary care--proposals for change] Glick SM, et al. **Harefuah** 1980 Feb 1;98(3):135–6 **(Heb)**

[Some words for primary health care in Japan (author's transl)] Katsunuma H. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Sep;32(9):1181–4 **(Jpn)**

[Primary health care--its role in implementation of modern forms of overcoming major common diseases (author's transl)] Lukasik S. **Przegl Lek** 1980;37(5):449–52 **(Pol)**

PRIMARY NURSING CARE

How children, mothers, and nurses view primary and team nursing. Hymovich DP. **Am J Nurs** 1980 Nov; 80(11):2041–5

Nursing in primary health care in Brazil. Borges MV. **Int Nurs Rev** 1980 Nov–Dec;27(6):173–7, 190

The health dimension in nursing practice: notes on nursing in primary health care. Allen M. **J Adv Nurs** 1981 Mar; 6(2):153–4

Primary care nursing: the 'how–to' of transition. Perlick N. **J Neurosurg Nurs** 1981 Feb;13(1):7–11

Primary nursing in the milieu. Carser DL. **J Psychiatr Nurs** 1981 Feb;19(2):35–41

Nurses in the primary care team [letter] Bowling A. **Lancet** 1980 Sep 13;2(8194):590

Evaluating primary nursing in hospitals: examination of effects on nursing staff. Alexander CS, et al. **Med Care** 1981 Jan;19(1):80–9

Attitude change as a motivational factor in producing behavior change related to implementing primary nursing. Keiser GJ, et al. **Nurs Res** 1980 Sep–Oct;29(5):290–4

Structure vs. people in primary nursing: an inquiry. Shukla RK. **Nurs Res** 1981 Jul–Aug;30(4):236–41

Job satisfaction of staff registered nurses in primary and team nursing delivery systems. Carlsen RH, et al. **Res Nurs Health** 1981 Jun;4(2):251–60

Patient–centered variables in primary and team nursing. Hamera E, et al. **Res Nurs Health** 1981 Mar;4(1):183–92

ORGANIZATION & ADMINISTRATION

A change to primary care in day surgery. Camp ML. **AORN J** 1981 Aug;34(2):342–8

102 886 treatment–room procedures: implications for nurse training and item–of–service payments. Waters WH, et al. **Br Med J [Clin Res]** 1981 Apr 25;282(6273):1368–70

STANDARDS

Measurement properties of clinical simulation tests: hypertension and chronic obstructive pulmonary disease. McLaughlin FE, et al. **Nurs Res** 1981 Jan–Feb;30(1):5–9

TRENDS

Survey of the development of primary nursing in VA Nursing Service. Burke R, et al. **Milit Med** 1980 Nov;145(11):772–5

PRIMARY PREVENTION

The wooing of primary prevention. Cowen EL. **Am J Community Psychol** 1980 Jun;8(3):258–84

Primary prevention of acute rheumatic fever: Quo vadis? Bisno AL. **J Lab Clin Med** 1981 Sep;98(3):323–5

Care of Cambodian refugees [news] Walker PF. **JAMA** 1980 Sep 12;244(11):1193–4

Primary prevention with high risk infants: enhancing caregiver–infant interactions. Meisels SJ. **Mich Med** 1981 Aug;80(23):430–4

Getting the most out of the periodic 'checkup'--the view from Canada. Goldbloom RB. **Pediatrics** 1980 Nov; 66(5):802–3

Preaching in your practice. What to tell patients to help them to live longer. Robbins JA. **Primary Care** 1980 Dec; 7(4):549–62 (28 ref.)

Advocacy for life: mandates, models, and priorities for prevention. Holliday BG. **Public Health Rep** 1980 Nov–Dec;95(6):558–9

Homicide prevention from the perspective of the Office of Health Promotion. Iverson DC. **Public Health Rep** 1980 Nov–Dec;95(6):559–60

Coordination of prevention programs for children and youth. Nowlis HH. **Public Health Rep** 1981 Jan–Feb;96(1):34–7

Overview of programs to prevent mental health problems of children. Tableman B. **Public Health Rep** 1981 Jan–Feb; 96(1):38–44

The field of primary prevention [editorial] Dubreiul G, et al. **Soc Sci Med [E]** 1981 May;15E(2):101–4

[The importance of social medicine in the theory of prevention in developing socialist societies] Pavlusová J. **Cesk Zdrav** 1980 Jun;28(6):243–50 (Eng. Abstr.) **(Cze)**

[The place of ophthalmological examinations in medical prevention] Rosselet E. **Rev Med Suisse Romande** 1980 Jun; 100(6):487–8 **(Fre)**

[Longitudinal recording and follow–up of newborns in the prevention of disease in childhood] Ribarić M, et al. **Jugosl Ginekol Opstet** 1980 May–Aug;19(3–4):215–20 (Eng. Abstr.) **(Scr)**

[Role of the hospital kin promoting awareness of disease prevention in socialist health services] Stec J. **Cesk Zdrav** 1981 Jun;29(6):247–50 (Eng. Abstr.) **(Slo)**

EDUCATION

[Guiding students towards a preventive attitude] Pavlusová J. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1979;22(5 Suppl):569–73 (Eng. Abstr.) **(Cze)**

METHODS

Toward a clarification of primary prevention. DeWild DW. **Community Ment Health J** 1980 Winter;16(4):306–16

The case for a problem prevention approach to alcohol, drug, and mental problems. Room R. **Public Health Rep** 1981

Jan-Feb;96(1):26-33
[Teachers and schoolchildren in danger of addiction] Klein U. **Prax Kinderpsychol Kinderpsychiatr** 1980 Nov-Dec; 29(8):302-8 (Eng. Abstr.) **(Ger)**

PRIMATES

Midlo and Cummins updated: primate dermatoglyphics today and tomorrow. Newell-Morris L. **Birth Defects** 1979; 15(6):739-64 (67 ref.)
A new crush-cage with rotating squeeze-back for restraining large primates. Baker BA, et al. **Lab Anim** 1980 Apr; 14(2):113-5
Vest and tethering system to accommodate catheters and a temperature monitor for nonhuman primates. Bryant JM. **Lab Anim Sci** 1980 Aug;30(4 Pt 1):706-8
Symposium: adaptive grades in the evolution of primates. **Z Morphol Anthropol** 1980;71(2):113-227
[Oncogenic viruses associated with lymphomas in primates, including man] Dosne Pasqualini C. **Sangre (Barc)** 1980; 25(5):567-72 **(Spa)**

ANATOMY & HISTOLOGY

A hominoid clavicle from the Mio-Pliocene of Sahabi, Libya. Boaz NT. **Am J Phys Anthropol** 1980 Jul;53(1):49-54
Within-species brain-body weight variability: a reexamination of the Danish data and other primate species. Holloway RL. **Am J Phys Anthropol** 1980 Jul;53(1):109-21
Allometry of primate hair density and the evolution of human hairlessness. Schwartz GG, et al. **Am J Phys Anthropol** 1981 May;55(1):9-12
Sexual dimorphism and allometry in primate ossa coxae. Steudel K. **Am J Phys Anthropol** 1981 Jun;55(2):209-15
Fourier analysis and homology of the first molars of the Palaeocene primate family Picrodontidae. Williams JA. **Arch Oral Biol** 1981;26(2):111-6
New and revised data on volumes of brain structures in insectivores and primates. Stephan H, et al. **Folia Primatol (Basel)** 1981;35(1):1-29
Locomotor adaptations as reflected on the humerus of paleogene primates. Szalay FS, et al. **Folia Primatol (Basel)** 1980;34(1-2):1-45
The joints of the evolving foot. Part I. The ankle joint. Lewis OJ. **J Anat** 1980 May;130(3):527-43
The joints of the evolving foot. Part II. The intrinsic joints. Lewis OJ. **J Anat** 1980 Jun;130(4):833-57
The primate caecum and appendix vermiformis: a comparative study. Scott GB. **J Anat** 1980 Oct; 131(3):549-63
Morphology of the gastrointestinal tract in primates: comparisons with other mammals in relation to diet. Chivers DJ, et al. **J Morphol** 1980 Dec;166(3):337-86
Sexual dimorphism in early anthropoids. Fleagle JG, et al. **Nature** 1980 Sep 25;287(5780):328-30
Outward signs of breeding [news] Martin RD, et al. **Nature** 1981 Sep 3;293(5827):7-9
Brain size and ecology in small mammals and primates. Harvey PH, et al. **Proc Natl Acad Sci USA** 1980 Jul; 77(7):4387-9
Evolutionary significance of cerebral venous patterns in paleoprimatology. Conroy GC. **Z Morphol Anthropol** 1980; 71(2):125-34
Dental and cranial adaptations in Eocene Adapidae. Gingerich PD. **Z Morphol Anthropol** 1980;71(2):135-42
Adaptation and body size in primates. Martin RD. **Z Morphol Anthropol** 1980;71(2):115-24
[Morphologic evolution of the musculi extensores digitorum and abductor pollicis longus in man. Part I: Introduction, methodology, M. extensor digitorum] Kaneff A. **Gegenbaurs Morphol Jahrb** 1979;125(6):818-73 (Eng. Abstr.) **(Fre)**
[Sublingual structures in primates. Part 1: Prosimiae, Platyrrhini and Cercopithecinae] Rommel C. **Gegenbaurs Morphol Jahrb** 1981;127(2):153-75 (Eng. Abstr.) **(Ger)**

BLOOD

Normal blood values of an adult male Perodicticus potto with comparative data from other primates. Cowgill UM, et al. **Folia Primatol (Basel)** 1980;33(4):273-90
Normal erythrocytic delta-aminolevulinic acid dehydratase activity in ten nonhuman primate species. Shapiro M, et al. **J Med Primatol** 1980;9(5):304-8
Hormonal and immunological aspects of sex steroid-binding plasma protein of primates. Renoir JM, et al. **J Reprod Fertil [Suppl]** 1980;Suppl 28:113-9
Hormonal and immunological aspects of the phylogeny of sex steroid binding plasma protein. Renoir JM, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4578-82
[Erythrocyte blood groups in non-human primates] Ruffié J, et al. **Nouv Rev Fr Hematol** 1980;22(2):147-200 (Eng. Abstr.) **(Fre)**

EMBRYOLOGY

The early development of the nervous system in staged insectivore and primate embryos. Müller F, et al. **J Comp Neurol** 1980 Oct 1;193(3):741-51
[Ontogenesis of facial muscles in primates] Seiler R. **Gegenbaurs Morphol Jahrb** 1980;126(6):841-64 (Eng. Abstr.) **(Ger)**

GENETICS

Toward a molecular paleontology of primate genomes. II. The KpnI families of alphoid DNAs. Maio JJ, et al. **Chromosoma** 1981;83(1):127-44
Toward a molecular paleontology of primate genomes. I. The HindIII and EcoRI dimer families of alphoid DNAs. Maio JJ, et al. **Chromosoma** 1981;83(1):103-25
Banding patterns of the chromosome of Cercopithecus petaurista (Schreber, 1775): comparison with other primate species. Caballin MR, et al. **Folia Primatol (Basel)** 1980; 34(3-4):278-85
[Genetic distances between primate taxa] Tëtushkin Ela. **Dokl Akad Nauk SSSR** 1981;256(3):717-22 **(Rus)**

IMMUNOLOGY

Neutralizing antibodies to simian papovavirus SA12 in Old World primates in laboratory colonies: high prevalence in baboons. Braun L, et al. **J Med Primatol** 1980;9(4):240-6
Hepatitis A and B: serologic survey of human and nonhuman primate sera. Eichberg JW, et al. **Lab Anim Sci** 1980 Jun; 30(3):541-3
Marburg and Ebola virus antibodies in Kenyan primates [letter] Johnson BK, et al. **Lancet** 1981 Jun 27; 1(8235):1420-1

METABOLISM

The similarity of chorionic gonadotrophin and its subunits in term placentae from man, apes, old and New World monkeys and a prosimian. Hobson BM, et al. **Folia Primatol (Basel)** 1981;35(1):51-64
A cage liner and feeding system to minimize stress to primates undergoing metabolic balance studies. Baker BA, et al. **Lab Anim** 1979 Jul;13(3):249-51

MICROBIOLOGY

Primate type-C oncoviruses. Nooter K, et al. **Biochim Biophys Acta** 1980 Nov 26;605(4):461-87 (242 ref.)
Hepatitis A in non-human primates in nature [letter] Smith MS, et al. **Lancet** 1980 Dec 6;2(8206):1241-2

PHYSIOLOGY

Head-cocking and visual perception in primates. Menzel CR. **Anim Behav** 1980 Feb;28 Pt 1:151-9
Critical evaluation of the current concept of brain differentiation - relevance for the primate brain. Neumann F, et al. **Exp Brain Res** 1981;Suppl 3:246-61
Monitoring the female reproductive cycle of great apes and other primate species by determination of oestrogen and LH in small volumes of urine. Lasley BL, et al. **J Reprod Fertil [Suppl]** 1980;Suppl 28:121-9
Testis weight, body weight and breeding system in primates. Harcourt AH, et al. **Nature** 1981 Sep 3;293(5827):55-7

PRIMIDONE

ADVERSE EFFECTS

Teratogenic effects associated with maternal primidone therapy. Myhre SA, et al. **J Pediatr** 1981 Jul;99(1):160-2
The effect of medication on interaural time and intensity discrimination in a hemispherectomee. Hawkins DB. **J Speech Hear Res** 1980 Mar;23(1):219-21

BLOOD

Serum concentrations of primidone and its metabolites, phenylethylmalonamide and phenobarbital, in the dog. Yeary RA. **Am J Vet Res** 1980 Oct;41(10):1643-5
Valproic acid and plasma levels of primidone and derived phenobarbital. Bruni J. **Can J Neurol Sci** 1981 Feb;8(1):91-2
Enzyme immunoassay of phenobarbital, phenytoin, primidone, carbamazepine and theophylline with the Abbott VP Bichromatic Analyzer. Knight D. **Clin Biochem** 1981 Feb;14(1):14-5
The effects of phenytoin on phenobarbitone and primidone metabolism. Lambie DG, et al. **J Neurol Neurosurg Psychiatry** 1981 Feb;44(2):148-51
[Gas chromatographic determination of phenytoin, phenobarbital and primidone: flash-methylation after direct addition of trimethyl-phenyl-ammonium hydroxide to the ethyl acetate extract (author's transl)] Brügmann G. **J Clin Chem Clin Biochem** 1981 May;19(5):305-6 (Eng. Abstr.) **(Ger)**

METABOLISM

Primidone kinetics: effects of concurrent drugs and duration of therapy. Cloyd JC, et al. **Clin Pharmacol Ther** 1981 Mar; 29(3):402-7
Diphenylhydantoin and primidone in tears. Monaco F, et al. **Epilepsia** 1981 Apr;22(2):185-8

PHARMACODYNAMICS

[Phenobarbital intoxication in a patient with primidone and diphenylhydantoin (author's transl)] Galdames D, et al. **Rev Med Chil** 1980 Aug;108(8):716-20 (Eng. Abstr.) **(Spa)**

POISONING

Primidone intoxication and massive crystalluria. Turner CR. **Clin Pediatr (Phila)** 1980 Oct;19(10):706-7
Acute phenytoin and primidone intoxication: a pharmacokinetic analysis. Matzke GR, et al. **J Clin Pharmacol** 1981 Feb-Mar;21(2):92-9

THERAPEUTIC USE

Benign familial tremor treated with primidone [letter] Feely M. **Br Med J [Clin Res]** 1981 Feb 28;282(6265):740-1
Benign familial tremor treated with primidone. O'Brien MD, et al. **Br Med J [Clin Res]** 1981 Jan 17;282(6259):178-80
Benign familial tremor treated with primidone [letter] Procaccianti G, et al. **Br Med J [Clin Res]** 1981 Aug 22; 283(6290):558
Chromosomal investigations in epileptic children during long-term therapy with phenytoin or primidone. Esser KJ, et al. **Hum Genet** 1981;56(3):345-8
Epileptic seizures controlled with paramethadione/primidone. Schulman J. **VM SAC** 1981 Jun;76(6):827
[Is primidone more efficient than phenobarbital? An attempt at a pharmacological evaluation (author's transl)] Frey HH, et al. **Nervenarzt** 1980 Jun;51(6):359-62 **(Ger)**
[Problems of therapeutic service in primidone therapy] Quednow B, et al. **Z Aerztl Fortbild (Jena)** 1980 Aug 1; 74(15):692-4 **(Ger)**

PRIMITIVE GUT see **GASTRULA**

PRIMITIVE STREAK see **GASTRULA**

PRINDOLOL see **PINDOLOL**

PRINTING

Allergic contact dermatitis due to an epoxy acrylate. Nethercott JR. **Br J Dermatol** 1981 Jun;104(6):697-703
[Some considerations on the integration of the disabled with particular regard to the placement of dysmelic and spastic persons in the printing industry (author's transl)] Treier P, et al. **Rehabilitation (Stuttg)** 1980 Feb;19(1):1-12 (Eng. Abstr.) **(Ger)**
[Mortality among the print shop workers of a daily newspaper] Bertazzi PA, et al. **Med Lav** 1979 Nov-Dec; 70(6):421-37 (Eng. Abstr.) **(Ita)**
[Effect of planned dental treatment on the state of the dentition in workers of Lublin printing plants according to certain indices] Bożyk A, et al. **Czas Stomatol** 1980 Sep; 33(9):767-72 (Eng. Abstr.) **(Pol)**
[Effect of harmful factors in the work environment on the state of the dentition and periodontium in the workers of Lublin printing plants] Bożyk A, et al. **Czas Stomatol** 1980 May;33(5):415-20 (Eng. Abstr.) **(Pol)**
[Morphofunctional changes in erythrocytes upon exposure to toxic factors] Gribova IA, et al. **Gig Sanit** 1980 Jun; (6):74-7 **(Rus)**
[Characteristics of health and hygiene inspection of working conditions in print shops] Gavriutin VM, et al. **Voen Med Zh** 1981 Mar;(3):38-40 **(Rus)**

STANDARDS

[Toxicologic characteristics of new printing inks intended for food package design] Izotova PV, et al. **Gig Sanit** 1980 Jun;(6):88-9 **(Rus)**

PRISONERS

Dermatoglyphic study in a Spanish penal population. Castilla AQ. **Birth Defects** 1979;15(6):411-6
Chronic cardiac beriberi in a former prisoner of the Japanese. Gill GV, et al. **Br J Nutr** 1980 Nov;44(3):273-4
Frequency of XYY males in Wisconsin state correctional institutions. Daly RF, et al. **Clin Genet** 1980 Aug; 18(2):116-22
How to handle a hostage-taking incident. Phillips MS. **Dimens Health Serv** 1981 Apr;58(4):26-7
Drug abuse treatment in correctional institutions in Florida: facilities and techniques. Jaffe EB. **J Fla Med Assoc** 1980 Dec;67(12):1076-8
Doctors and torture: an experience as a prisoner. Jadresic A. **J Med Ethics** 1980 Sep;6(3):124-7
Coping with tuberculosis in a prison population [news] **JAMA** 1981 Jan 16;245(3):220
'Sexual behavior in an abnormal situation' [news] Gunby P. **JAMA** 1981 Jan 16;245(3):215, 219
Hepatitis B infection in former prisoners of the Japanese [letter] Gill GV, et al. **Lancet** 1980 Oct 25;2(8200):918
Strongyloidiasis in ex-prisoners of war [letter] Goldsmid JM, et al. **Med J Aust** 1980 Aug 9;2(3):160
Prisoners of war: long-term effects. Hinder DC. **Med J Aust** 1981 May 30;1(11):565-6
Health records of American prisoners of the Japanese during World War II. Dean LM, et al. **Milit Med** 1980 Dec; 145(12):838-41
Keeping PACE toward educo-psycho-social rehabilitation of incarcerated males. Peretti PO. **Panminerva Med** 1979 Apr-Jun;21(2):63-4
Persisting tropical diseases amongst former prisoners of war of the Japanese. Gill GV, et al. **Practitioner** 1980 Aug; 224(1346):801-3
Psychotherapy of Nazi victims. Dreifuss G. **Psychother Psychosom** 1980;34(1):40-4
Croaker's dilemma--should prison physicians serve prisons

or prisoners? Thorburn KM. **West J Med** 1981 May; 134(5):457–61

[Medical consequences of torture; a study of refugees in the Netherlands] Warmenhoven C, et al. **Ned Tijdschr Geneeskd** 1981 Jan 17;125(3):104–8 (Eng. Abstr.) **(Dut)**

[Fitness for imprisonment: evaluation and observations by the Examining Magistrate] Blondet HL. **Acta Med Leg Soc (Liege)** 1980;30(1):153–76 **(Fre)**

[Ethical problems for the physician posed by torture; apropos of a personal experience] Faure J. **Acta Med Leg Soc (Liege)** 1980;30(1):71–4 **(Fre)**

[Fitness for imprisonment] Gonin D, et al. **Acta Med Leg Soc (Liege)** 1980;30(1):145–51 **(Fre)**

[Fitness for isolation] Lamothe P. **Acta Med Leg Soc (Liege)** 1980;30(1):177–84 **(Fre)**

[Psychotropic drugs and imprisonment] Maltaverne S. **Acta Med Leg Soc (Liege)** 1980;30(1):185–8 **(Fre)**

[Physical restraint and the law] Robert J. **Acta Med Leg Soc (Liege)** 1980;30(1):79–86 **(Fre)**

[Hunger strikes] Troisier S. **Acta Med Leg Soc (Liege)** 1980; 30(1):219–24 **(Fre)**

[Is treatment of drug addicts in prison feasible? (author's transl)] Leduc-Saouli A. **Neuropsychiatr Enfance Adolesc** 1980 Jul–Aug; 28(7–8):319–26 (Eng. Abstr.) **(Fre)**

[ABO blood group investigations on prisoners (author's transl)] Rex-Kiss B, et al. **Z Rechtsmed** 1981;86(4):295–301 (Eng. Abstr.) **(Ger)**

[Medical care for wounded and sick German prisoners of war during World War II] Marasanov RA, et al. **Voen Med Zh** 1981 May;(5):19–22 **(Rus)**

PSYCHOLOGY

Amnesty International and the forgotten prisoner. Tedeschi LG. **Am J Forensic Med Pathol** 1980 Sep;1(3):277–9

Viet Nam prisoners of war, stress, and personality resiliency. Singer MT. **Am J Psychiatry** 1981 Mar;138(3):345–6

Changing perceptions of the mental health needs of inmates in local jails. Steadman HJ, et al. **Am J Psychiatry** 1980 Sep;137(9):1115–6

Psychiatric illness in U.S. Air Force Viet Nam prisoners of war: a five-year follow-up. Ursano RJ, et al. **Am J Psychiatry** 1981 Mar;138(3):310–4

The Viet Nam Era prisoner of war: precaptivity personality and the development of psychiatric illness. Ursano RJ. **Am J Psychiatry** 1981 Mar;138(3):315–8

What the repatriated prisoners of war wrote about themselves. Jones DR. **Aviat Space Environ Med** 1980 Jun; 51(6):615–7

Psychophysiological differentiation between psychopathic and schizophrenic abnormal offenders. Hinton J, et al. **Br J Soc Clin Psychol** 1980 Sep;19(3):257–69

Teaching 'street law' to the criminally insane. Smith JT, et al. **Bull Am Acad Psychiatry Law** 1979;7(4):333–41

Probationed offenders: rehabilitation and training. Tyce FA, et al. **Curr Psychiatr Ther** 1980;19:151–7

Immediate reactions to capture and deportation. Kieler J. **Dan Med Bull** 1980 Nov;27(5):217–20

Psychological sequelae in hostages and the aftercare. Stöfsel W. **Dan Med Bull** 1980 Nov;27(5):239–41

Aging in a total institution: the case of older prisoners. Reed MB, et al. **Gerontologist** 1979 Aug;19(4):354–60

The court-martial of Bobby Garwood: coercive persuasion and the 'culpable mind'. Merton V, et al. **Hastings Cent Rep** 1981 Jun;11(3):5–8

Characteristics of women forensic patients in a federal hospital. Baridon PC, et al. **Hosp Community Psychiatry** 1981 Jan;32(1):50–3

The use of minor tranquilizers with jail inmates. Diamond RJ, et al. **Hosp Community Psychiatry** 1981 Jan;32(1):40–3

Psychiatric morbidity in prisons. James JF, et al. **Hosp Community Psychiatry** 1980 Oct;31(10):674–7

Improving psychiatric care for prisoners. James JF, et al. **Hosp Community Psychiatry** 1980 Oct;31(10):671–3

Marathon groups: counseling the imprisoned drug abuser. Page RC. **Int J Addict** 1980;15(5):765–70

The psychological consequences of punitive institutions. Kestenberg JS. **Isr J Psychiatr Relat Sci** 1981;18(1):15–30

The second generation of war victims: psychopathological problems. Musaph H. **Isr J Psychiatr Relat Sci** 1981; 18(1):3–14

The primary and secondary sociopathic personality: differences in frequency and severity of antisocial behaviors. Fagan TJ, et al. **J Abnorm Psychol** 1980 Jun; 89(3):493–6

Psychoanalyses of children of survivors from the holocaust: case presentations and assessment. Kestenberg JS. **J Am Psychoanal Assoc** 1980;28(4):775–804

Imprisonment and cognitive impairment. Goethals J. **J Clin Psychol** 1981 Apr;37(2):418–22

A factor analytic study of the demographic characteristics of incarcerated males. Heckel RV, et al. **J Clin Psychol** 1981 Apr;37(2):423–5

A factor analytic study of the demographic characteristics of incarcerated male and female juvenile offenders. Heckel RV, et al. **J Clin Psychol** 1981 Apr;37(2):426–9

A factor analytic study of the demographic characteristics of adult and juvenile incarcerates. Heckel RV, et al. **J Clin Psychol** 1981 Apr;37(2):430–3

Differentiating violent and nonviolent prison inmates by use of selected MMPI scales. Jones T, et al. **J Clin Psychol** 1981 Jul;37(3):673–8

A factor analytic study of the demographic characteristics of incarcerated females. Mandell E, et al. **J Clin Psychol** 1981 Jul;37(3):678–80

Social factors ion schizophrenic, alcoholic, executive and prison populations. Pishkin V, et al. **J Clin Psychol** 1981 Apr;37(2):239–46

Schizophrenic, alcoholic, felon and management factor compositions of social status. Pishkin V, et al. **J Clin Psychol** 1981 Apr;37(2):235–8

Identifying violent offenders using a video measure of interpersonal distance. Gilmour DR, et al. **J Consult Clin Psychol** 1981 Apr;49(2):287–91

The responsibilities of the state for the prevention and treatment of mental illness among prisoners. Leuchter AF. **J Forensic Sci** 1981 Jan;26(1):134–41

Levels of imagery and personality dimensions in a female prison population. Stricklin AB, et al. **J Pers Assess** 1980 Aug;44(4):390–5

An approach to the therapeutic evaluation of prison inmates. Feinberg R, et al. **J Psychiatr Nurs** 1981 Jan;19(1):14–6

Counseling the young prison prostitute. Southwell M. **J Psychiatr Nurs** 1981 May;19(5):25–6

Career maturity analysis. Incarcerated juvenile clients. Drake JB, et al. **J Rehabil** 1980 Oct–Dec;46(4):54–7

Group psychotherapy in prison. A proper role for the psychiatrist. Rappaport RG. **Med Trial Tech Q** 1981 Winter;28(3):249–71

Dysfunctions and eufunctions of prison homosexuality. A structural-functional approach. Peretti PO. **Panminerva Med** 1979 Jul–Sep;21(3):135–40

Relationship between behavioral indices of aggression and hostile content on the TAT for incarcerated young women. Martin RD, et al. **Percept Mot Skills** 1980 Aug;51(1):327–32

Community mental health consultation in police court. Moore J. **Perspect Psychiatr Care** 1980 Sep–Oct;18(5):204–9

Psychological effects of imprisonment on confined individuals. Bukstel LH, et al. **Psychol Bull** 1980 Sep; 88(2):469–93

WISC-R profile of adjudicated delinquents later incarcerated or released on probation. Hubble LM, et al. **Psychol Rep** 1980 Oct;47(2):481–2

Incarceration and blood pressure. Culpepper L, et al. **Soc Sci Med [Med Psychol Med Sociol]** 1980 Dec; 14A(6):571–4

[Children as war victims] Bekkering PG. **Ned Tijdschr Geneeskd** 1981 May 2;125(18):713–4 **(Dut)**

[Psychotropic drugs and imprisonment in a psychiatric hospital for political reasons] Drucker H. **Acta Med Leg Soc (Liege)** 1980;30(1):189–210 **(Fre)**

[Observations on hunger strikes] Sabatini J. **Acta Med Leg Soc (Liege)** 1980;30(1):225–8 **(Fre)**

[Psychosomatic aspects of expert judgement in gastro-intestinal disease (author's transl)] Freyberger H, et al. **Leber Magen Darm** 1980 Jun;10(3):152–3 (Eng. Abstr.) **(Ger)**

[Prognosis-criteria after long-term imprisonment (author's transl)] Albrecht PA. **Psychiatr Prax** 1981 Feb;8(1):1–8 (Eng. Abstr.) **(Ger)**

[Pathology of neuropsychiatric importance among the inmates of a military prison: its incidence in relation to the type of crime and length of detention] De Giosa P, et al. **Riv Med Aeronaut Spac** 1980 Jan–Jun;43(1–2):128–40 (Eng. Abstr.) **(Ita)**

PRISONER'S DILEMMA see **GAME THEORY**

PRISONS

A significant aspect of acting out, and its management on an adolescent ward: 'iailification'. Burke EL, et al. **Adolescence** 1981 Spring;16(61):33–7

Prison--a learning experience. Bridges MJ. **Am J Nurs** 1981 Apr;81(4):744–5

Correctional health care--beyond the barriers. Chaisson GM. **Am J Nurs** 1981 Apr;81(4):736–8

A change process for prison health nursing. Little L. **Am J Nurs** 1981 Apr;81(4):739–42

The use of a correctional setting for follow-up care of psychiatrically disturbed adolescents. Lewis DO, et al. **Am J Psychiatry** 1980 Aug;137(8):953–5

Racial intolerance in a correctional institution: an ecological view. Pfefferbaum A, et al. **Am J Psychiatry** 1981 Aug; 138(8):1057–62

Holocaust effect in the third generation: child of another time. Rosenthal PA, et al. **Am J Psychother** 1980 Oct; 34(4):572–80

OR nursing in correctional facilities. Origer MM. **AORN J** 1981 Feb;33(2):308–22

Delivering community mental health services to a county jail population: a research note. Monahan J, et al. **Bull Am Acad Psychiatry Law** 1980;8(1):28–32

Amnesty International Seminar, Copenhagen, Denmark, December 1979. **Dan Med Bull** 1980 Nov;27(5):213–50

The war sailor syndrome. Askevold F. **Dan Med Bull** 1980 Nov;27(5):220–4

Jewish concentration camp survivors in the post-war world. Eitinger L. **Dan Med Bull** 1980 Nov;27(5):232–5

Sequential traumatization of children. Keilson H. **Dan Med Bull** 1980 Nov;27(5):235–7

The many faces of inhumanity--and the few faces of its psychic and somatic sequelae. Riis P. **Dan Med Bull** 1980 Nov;27(5):213–4

The concentration camp syndrome. Thygesen P. **Dan Med Bull** 1980 Nov;27(5):224–8

Safeguarding health rights of inmates. Davis MW, et al. **Dimens Health Serv** 1980 Nov;57(11):32, 34

Treating psychiatrically regressed prison inmates in a therapeutic community. Edinger JD. **Hosp Community Psychiatry** 1980 Nov;31(11):781–3

Developing a program of mental health services in a rural county jail. Haley MW. **Hosp Community Psychiatry** 1980 Sep;31(9):631–2

The psychological consequences of punitive institutions. Kestenberg JS. **Isr J Psychiatr Relat Sci** 1981;18(1):15–30

Realistic dental care in jails and prisons: summary of proceedings. Conte TG. **J Am Dent Assoc** 1981 Mar; 102(3):343

Psychoanalyses of children of survivors from the holocaust: case presentations and assessment. Kestenberg JS. **J Am Psychoanal Assoc** 1980;28(4):775–804

Personality patterns among hospitalized vs. incarcerated psychopaths. Holland TR, et al. **J Clin Psychol** 1980 Jul; 36(3):826–32

Violence in the mentally Ill.. A study of 547 patients at a French hospital for the criminally Insane. Benezech M, et al. **J Nerv Ment Dis** 1980 Nov;168(11):698–700

AMA jail program appeals to local-M.D. sense of duty. Cohen TJ. **J Tenn Med Assoc** 1981 Jan;74(1):66

Anatoly Koryagin [letter] Low-Beer GA. **Lancet** 1981 Jun 27;1(8235):1426

Commentary: The law, the psychiatrist, and the patient. Dubler NN. **Man Med** 1980;5(2):87–92

Planning health services for a city jail: impact of contractual services on men's sick call. Freeman RW, et al. **Med Care** 1981 Apr;19(4):410–8

Crowding in prison: the relationship between changes in housing mode and blood pressure. D'Atri DA, et al. **Psychosom Med** 1981 Apr;43(2):95–105

Health care in correctional institutions in the United States, England, Canada, Poland, and France. Sandrick KM. **QRB** 1981 Jul;7(7):28–31

Health care in US correctional facilities. Sandrick KM. **QRB** 1981 May;7(5):25–9

Stress in work. Conceptual analysis and a study on prison personnel. Kalimo R. **Scand J Work Environ Health** 1980; 6 Suppl 3:1–124

Inmates sue to keep research in prisons [news] Sun M. **Science** 1981 May 8;212(4495):650–1

Croaker's dilemma--should prison physicians serve prisons or prisoners? Thorburn KM. **West J Med** 1981 May; 134(5):457–61

[Protective antialcoholic treatment of persons serving a prison sentence at the Centre for Antialcoholic Protective Treatment I—II in NVU, Prague Pankrác, and its results (author's transl)] Homolková J, et al. **Cesk Psychiatr** 1980 Aug;76(4):245–9 (Eng. Abstr.) **(Cze)**

[Children as war victims] Bekkering PG. **Ned Tijdschr Geneeskd** 1981 May 2;125(18):713–4 **(Dut)**

[Psychiatric actions in special imprisonment environments. The reinforced security quarter of Bourgoin. Practical aspects and observations] Porta J, et al. **Acta Med Leg Soc (Liege)** 1980;30(1):211–8 **(Fre)**

[Medical ethics in prison medicine] Bernheim J. **Bull Schweiz Akad Med Wiss** 1980 Nov;36(4–6):411–8 (Eng. Abstr.) **(Fre)**

[The Holocaust and the cultural psychology of Sigmund Freud] Seifert W. **Z Klin Psychol Psychother** 1980; 28(4):292–301 (Eng. Abstr.) **(Ger)**

HISTORY

[Convict prisons in French Guyana during the years 1856 to 1872. A telltale manuscript] Abonnenc E, et al. **Bull Soc Pathol Exot Filiales** 1981 Mar–Apr;74(2):235–52 **(Fre)**

LEGISLATION & JURISPRUDENCE

The responsibilities of the state for the prevention and treatment of mental illness among prisoners. Leuchter AF. **J Forensic Sci** 1981 Jan;26(1):134–41

STANDARDS

Development and management of a health system for correctional institutions in Alaska. Mala TA, et al. **Alaska Med** 1980 Nov–Dec;22(6):81–6

Health care reforms still needed in the nation's prisons [news] Gunby P. **JAMA** 1981 Jan 16;245(3):211–4

Upgrading health services in the nation's jails: the American Medical Association jail health project. Sandrick KM. **QRB** 1981 Jun;7(6):22–5

PRIVACY ACT see **CIVIL RIGHTS**

PRIVATE PRACTICE

Issues in ethics. Del Polito G. **ASHA** 1980 Nov;22(11):939

Competency and commitment [editorial] Fox DR. **ASHA** 1980 May;22(5):383–4

A private health centre for young people. Mackey D. **Aust Fam Physician** 1980 Dec;9(12):869–73

Private medicine. An old chestnut reassessed. **Br Med J** 1980 Jul 12;281(6233):123–4

The practice of part-time clinical work and the value of

epidemiological research: the opinions of consultant community physicians in the South East Thames Region. Heller RF, et al. **Community Med** 1980 Nov;2(4):318–22
Psychologists' practices related to medication. Bascue LO, et al. **J Clin Psychol** 1980 Jul;36(3):821–5
Family pharmacy and family medicine: a viable private practice alliance. Robertson DL, et al. **J Fam Pract** 1980 Aug;11(2):273–7
The need for 'P.R. thinking' in your medical practice. Beck LC, et al. **J Indiana State Med Assoc** 1981 Jun;74(6):384–6
The implications of the N. C. Dental Manpower Survey and Epidemiological Survey for the private practitioner. Wallace M. **J Public Health Dent** 1981 Winter;41(1):44–6
Nurse practitioner acceptance in private Ob/Gyn practice. Steinman ME, et al. **JOGN Nurs** 1980 Jul–Aug;9(4):240–2
Practice plans in teaching hospitals [letter] Redleaf PD. **N Engl J Med** 1981 May 28;304(22):1369
The effects of dental insurance on private dental practice. Friedman JW. **NZ Dent J** 1981 Jan;77(347):14–9
Pelvic inflammatory disease in the United States. Incidence and trends in private practice. St. John RK, et al. **Sex Transm Dis** 1981 Apr–Jun;8(2):56–61
Is there miscommunication about private practice? [editorial] Watts MS. **West J Med** 1981 Jun;134(6):533–4
[Informative lessons in life] Mees LF. **Ned Tijdschr Geneeskd** 1981 Jul 11;125(28):1132–6 **(Dut)**
[Research by the clinician: an unavoidable activity. The example of the physicians of the Warsaw ghetto] Lefebvre P. **Bull Mem Acad R Med Belg** 1979 Nov 24;134(10):587–96 (Eng. Abstr.) **(Fre)**
[Private doctor's bills] Hollmann A. **Dtsch Med Wochenschr** 1981 Jul 3;106(27):881–3 **(Ger)**
[Dentistry in a social state. Discrepancy between politics, system and work practice. Individuality vs concepts of order] **ZWR** 1980 Jul;89(7):10–21 **(Ger)**

ECONOMICS

Private practice–3. Hepburn PF. **Br J Hosp Med** 1981 Jun; 25(6):614, 616
Your accounts: private practice–1. Hepburn PF. **Br J Hosp Med** 1981 Apr;25(4):360, 362
Private practice. **Br Med J [Clin Res]** 1981 Mar 7; 282(6266):841–2
Group or solo practice: is finance the only consideration? Powers G. **Can Med Assoc J** 1981 May 1;124(9):1206, 1208–9
Pit and fissure sealants in private practice and public health programmes: analysis of cost–effectiveness. Horowitz HS. **Int Dent J** 1980 Jun;30(2):117–26
Average incomes of solo and group practitioners: owners versus employees, 1980. Wise JK. **J Am Vet Med Assoc** 1981 Sep 15;179(6):594–5
Reimbursement problems encountered by private physicians. An example from a family practice in New York City. Siegel F. **JAMA** 1981 Sep 11;246(11):1203–4
The market approach [editorial] **Lancet** 1981 Aug 1; 2(8240):240
Sounding boards. The UCR boondoggle: a death knell for private practice? Roe BB. **N Engl J Med** 1981 Jul 2; 305(1):41–5
Financial planning for independent practice. Edmunds M. **Nurse Pract** 1980 Sep–Oct;5(5):35–6, 38
Private psychiatric participation in Medicaid. Practitioner ebb and flow. Schwartz AH, et al. **NY State J Med** 1981 Jan;81(1):42–4
Goodwill registry valuates medical practices. Beck LC, et al. **Pa Med** 1981 Jul;84(7):26

ORGANIZATION & ADMINISTRATION

Faculty twinning by private physicians. Robertson DL, et al. **J Fam Pract** 1980 Nov;11(6):972–3
Financial planning for independent practice. Edmunds M. **Nurse Pract** 1980 Sep–Oct;5(5):35–6, 38
Starting a private practice of psychotherapy. Geller JC. **Perspect Psychiatr Care** 1980 May–Jun;18(3):106–11

STANDARDS

Optometric practice patterns: British Columbia. Schmidt BT, et al. **Am J Optom Physiol Opt** 1981 Jan;58(1):11–7
Office design. **J Am Optom Assoc** 1981 Jun;52(6):535–7
A day in the life of an internist. Reynolds RC. **Pharos** 1980 Fall;43(4):14–8

TRENDS

An analysis of the movement to private psychiatric practice. Knesper DJ, et al. **Arch Gen Psychiatry** 1981 Aug; 38(8):943–9
Private medicine: a bright future? **Br Med J** 1980 Jul 19; 281(6234):202–3
Child health care and 'the new morbidity': toward a model for the linkage of private medical practice and the public schools. Crossland CL, et al. **J Community Health** 1981 Spring;6(3):204–15
Future medical practice in the United States A choice of scenarios. Geyman JP. **JAMA** 1981 Mar 20;245(11):1140–3
[Autonomy under bureaucratic pressure] Tiemann B. **Zahnaerztliche Mitteilungen** 1980 Sep 1:70(17):1116–23 **(Ger)**

UTILIZATION

A multivariate analysis of long–term stay in private practice psychotherapy. Koss MP. **J Clin Psychol** 1980 Oct; 36(4):991–3
Attrition of patients from a residency program to practices of recent graduates. Button S. **J Fam Pract** 1981 Mar; 12(3):567–9

PRIVILEGED COMMUNICATION see **CONFIDENTIALITY**

PROACCELERIN see **FACTOR V**

PROACTIVE INHIBITION see under **INHIBITION (PSYCHOLOGY)**

PROADIFEN

ANALOGS & DERIVATIVES

Microsomal conversion of SKF 525–A and SKF 8742–A. Barber PJ, et al. **Biochem Pharmacol** 1980 Oct 1; 29(19):2577–82

METABOLISM

Microsomal conversion of SKF 525–A and SKF 8742–A. Barber PJ, et al. **Biochem Pharmacol** 1980 Oct 1; 29(19):2577–82
Inhibition by SKF 525–A of 7–ethoxycoumarin O–deethylation in microsomal and the reconstituted monooxygenase systems from PCB–treated rat livers. Kamataki T, et al. **Jpn J Pharmacol** 1980 Dec;30(6):841–51

PHARMACODYNAMICS

In vivo metabolism of 11–hydroxy–delta–tetrahydrocannabinol to two carboxylic acids and the effects of SKF 525–A, cobaltous chloride and phenobarbital on their formation in rats. Watanabe K, et al. **Chem Pharm Bull (Tokyo)** 1980 Jul;28(7):2154–7
Effects of an inhibi.. of hepatic drug metabolism, 2–diethylaminoethyl–2,,–diphenylvalerate HCl (SKF 525–A), on thyroxine metabolism in the rat. Nakamura Y, et al. **Endocrinology** 1981 Apr;108(4):1519–36
Antiarrhythmic evaluation of verapamil, nifedipine, perhexiline ai d skf 525–A in four canine models of cardiac arrhythmias. Bergey JL, et al. **Eur J Pharmacol** 1981 Mar 26;70(3):331–43
A new mode of action of SKD 525–A on morphine disposition studied by segmented retrograde intrabiliary injection (SRII) in the isolated in situ perfused rat liver. Imamura T, et al. **J Pharmacol Exp Ther** 1980 Oct; 215(1):122–6
The effect of phenobarbital and SKF 525A on tocainide pharmacokinetics in the rat. Venkataramanan R, et al. **J Pharmacol Exp Ther** 1980 Oct;215(1):235–9
Potentiation of the inhibition of rat liver monoamine oxidase–a by clorgyline after pretreatment with SKF 525A. Fowler CJ. **Med Biol** 1980 Oct;58(5):285–7
[Effect of inhibitors of microsomal hydroxylation on endogenous respiration of Torulopsis candida cells] Il'chenko AP, et al. **Mikrobiologiia** 1980 Sep–Oct; 49(5):664–8 (Eng. Abstr.) **(Rus)**

TOXICITY

Effects of repeated administration of rat 2–diethylaminoethyl–2–2–diphenylvalerate–HCl (SKF 525 A) on liver. Fernández G, et al. **Toxicology** 1981; 20(2–3):185–93

PROBABILITY

Segregation analysis. Elston RC. **Adv Hum Genet** 1981; 11:63–120, 372–3 (76 ref.)
The Bayes theorem and clinical electrocardiography. Selzer A. **Am Heart J** 1981 Mar;101(3):360–3
The validity of approximation methods for interval estimation of the odds ratio. Brown CC. **Am J Epidemiol** 1981 Apr; 113(4):474–80
On the distortion of risk estimates in multiple exposure level case–control studies. Marshall JR, et al. **Am J Epidemiol** 1981 Apr;113(4):464–73
Attributable risk for recurrent events: an extension of Levin's measure. Park CB. **Am J Epidemiol** 1981 May;113(5):491–3 (20 ref.)
Detection of inbreeding effects by the chi–square test on genotypic and phenotypic frequencies. Haber M. **Am J Hum Genet** 1980 Sep;32(5):754–60
The estimation of phenotype distributions from pedigree data. Winter RM. **Am J Med Genet** 1980;7(4):537–42
Antenatal prediction of women at increased risk for infants with low birth weight. A discriminant analysis of maternal characteristics known at 24 weeks. Gaziano EP, et al. **Am J Obstet Gynecol** 1981 May 1;140(1):99–107
Assessing environmental risks of energy. Gleick PH, et al. **Am J Public Health** 1981 Sep;71(9):1046–50
Description and evaluation of the smoking cessation component of a multiple risk factor intervention program. Malotte CK, et al. **Am J Public Health** 1981 Aug; 71(8):844–7
Assessing the value of negative associations. Massey RM. **Am J Public Health** 1981 Aug;71(8):860
Numerical evaluation of cytologic data. V. Bivariate distributions and the Bayesian decision Boundary. Bartels PH. **Anal Quant Cytol** 1980 Jun;2(2):77–83
The non–Markovian nature of migration: a case study in the Aland Islands, Finland. Kramer PL. **Ann Hum Biol** 1981 May–Jun;8(3):243–53
Probability of neuronal spike initiation as a curve–crossing problem for Gaussian stochastic processes. Kostyukov AI, et al. **Biol Cybern** 1981;39(3):157–63
Diseases having two classes of severity: estimation of the proportions of each manifestation by ,naximum likelihood. Bonaïti C, et al. **Biometrics** 1980 Sep;36(3):447–60
Contact networks and the study of contagion. Hartigan PM. **Biometrics** 1980 Sep;36(3):473–85
The parameterization of predictive value for multisite screening. McHugh R, et al. **Biometrics** 1980 Sep; 36(3):523–9
Assessing laboratory evidence for neoplastic activity. Mantel N. **Biometrics** 1980 Sep;36(3):381–99
A Bayesian approach to bioequivalence for the 2 x 2 changeover design. Selwyn MR, et al. **Biometrics** 1981 Mar; 37(1):11–21
On approximate sample sizes for comparing two independent proportions with the use of Yates' correction. Ury HK, et al. **Biometrics** 1980 Jun;36(2):347–51
Assessment of risk by biological monitoring. Gompertz D. **Br J Ind Med** 1981 May;38(2):198–201
The risks of assessing risks [editorial] **Br Med J** 1980 Nov 22;281(6252):1374
Bayes's theorem and the evaluation of tests [letter] Edwards AW. **Br Med J** 1980 Nov 8;281(6250):1285–6
Test reduction: II––Bayes's theorem and the evaluation of tests. Spicer CC. **Br Med J** 1980 Aug 30;281(6240):592–4
Designing for nonparametric Bayesian survival analysis using historical controls. Van Ryzin J. **Cancer Treat Rep** 1980 Feb–Mar;64(2–3):503–6
Stochastic and exponential analysis of precordial washout curves for myocardial blood flow measurement. Experimental evaluation. L'Abbate A, et al. **Circ Res** 1981 Jul;49(1):41–51
The use of probability trees in genetic counselling. Friedman JM, et al. **Clin Genet** 1980 Dec;18(6):408–12
Human chromosome classification using discriminant analysis and Bayesian probability. Ledley RS, et al. **Comput Biol Med** 1980;10(4):209–18
APL programs for P–values in Wilcoxon's one–sample and two–sample tests. Larsen SO. **Comput Programs Biomed** 1980 Aug;12(1):42–4
Absolute safety: a modern myth. Barton TH. **Dimens Health Serv** 1981 Apr;58(4):28
Risk/benefit analysis for toxic chemicals. Wilson R. **Ecotoxicol Environ Safety** 1980 Dec;4(4):370–83
A Poisson trials approach to interpopulation comparisons of cause of death data. Ginevan ME. **Environ Res** 1981 Jun; 25(1):147–59
Usefulness of stochastic analysis of body weight as a tool in experimental aging research. Economos AC, et al. **Exp Aging Res** 1980 Oct;6(5):417–30
Quantitative risk assessment. **Food Cosmet Toxicol** 1980 Dec; 18(6):711–34
On the distribution of the nucleotides in seven completely sequenced DNAs. Fuchs C. **Gene** 1980 Sep;10(4):371–3
Probability of risk [letter] Waight PJ, et al. **Health Phys** 1980 Sep;39(3):585–6
Segmenting speech using dynamic programming. Cohen JR. **J Acoust Soc Am** 1981 May;69(5):1430–8
Berkson's bias and its control in epidemiologic studies. Walter SD. **J Chronic Dis** 1980;33(11–12):721–5
Stochastic approach to the estimation of infective force and malaria parasite incidence rate in infants from longitudinal data. Verma BL, et al. **J Commun Dis** 1980 Sep; 12(3):118–25
Cultural and behavioral aspects of risk factors: society's obligation. Wynder EL. **J Environ Pathol Toxicol** 1977 Nov–Dec;1(2):11–8
The risk of personal victimization among the aged. Liang J, et al. **J Gerontol** 1981 Jul;36(4):463–71
The risk of nosocomial hepatitis A and B virus infections from patients under care without isolation precaution. Papaevangelou GJ, et al. **J Med Virol** 1981;7(2):143–8
ROC analysis of diagnostic performance in liver scintigraphy. Fritz SL, et al. **J Nucl Med** 1981 Feb;22(2):121–8
Detection of a luminance increment: effect of temporal uncertainty. Lasley DJ, et al. **J Opt Soc Am** 1981 Jul; 71(7):845–50
Quantifying lifetime risk of psychiatric disorder. Thompson WD, et al. **J Psychiatr Res** 1981;16(2):113–26
Application of a probability model based on the binomial distribution to speech–discrimination scores. Raffin MJ, et al. **J Speech Hear Res** 1980 Sep;23(3):570–5
Overview of some aspects of quantitative risk assessment. Fishbein L. **J Toxicol Environ Health** 1980 Sep–Nov; 6(5–6):1275–96 (98 ref.)
Worker involvement in risk assessment. Holmberg B. **J Toxicol Environ Health** 1980 Sep–Nov;6(5–6):1303–8
The problem of extrapolating from observed carcinogenic effects to estimates of risk for exposed populations. Saffiotti U. **J Toxicol Environ Health** 1980 Sep–Nov;6(5–6):1309–26
The morals of risk assessment. Yodaiken RE. **J Toxicol Environ Health** 1980 Sep–Nov;6(5–6):1297–301
Prediction of academic success in a baccalaureate nursing education program. Hayes ER. **JNE** 1981 Jun;20(6):4–8

Practical considerations for approximating relative risk by the standardized mortality ratio. Symons MJ, et al. **JOM** 1981 Jun;23(6):413–6

Is cellular aging a stochastic process? Shmookler Reis RJ, et al. **Mech Ageing Dev** 1980;13(4):393–5

Applying the principle of logical elimination to probabilistic diagnosis. Llewelyn DE. **Med Inf (Lond)** 1981 Jan–Mar; 6(1):25–32

The measurement of performance in probabilistic diagnosis. IV. Utility considerations in therapeutics and prognostics. Habbema JD, et al. **Methods Inf Med** 1981 Apr;20(2):80–96

The measurement of performance in probabilistic diagnosis. V. General recommendations. Habbema JD, et al. **Methods Inf Med** 1981 Apr;20(2):97–100

The evolution of medical uncertainty. Fox RC. **Milbank Mem Fund Q** 1980 Winter;58(1):1–49

Statistical approaches to clinical predictions [editorial] McNeil BJ, et al. **N Engl J Med** 1981 May 21; 304(21):1292–4

High risk indicators of fetal and neonatal mortality in Durham County, N.C. Turnbull CD, et al. **NC Med J** 1981 Jul;42(7):472–4

Atherosclerosis risk factors in urban black children. Dube SK, et al. **NY State J Med** 1981 Jun;81(7):1061–5

Risk–reduction strategies improve industrial complexions. Chenoweth D. **Occup Health Saf** 1981 Apr;50(4):22–32

The exercise fad: a risk/benefit analysis. Strasser AL. **Occup Health Saf** 1981 Apr;50(4):6–12

The interpretation of laboratory tests. Corman LC. **Primary Care** 1980 Dec;7(4):691–702

Medical decisions. Black D. **Scott Med J** 1980 Apr;25(2):91–8

Risk, fertility, and family planning in a Bangladesh village. Cain M. **Stud Fam Plann** 1980 Jun;11(6):219–23

Palate development in the mouse: a quantitative method that permits the estimation of time and rate of palate closure. Biddle FG. **Teratology** 1980 Oct;22(2):239–46

Noninvasive clinical and exercise predictors of sudden cardiac death in men with coronary artery disease. Bruce RA. **Tex Med** 1981 Jun;77(6):55–9

A stochastic compartment model representation of chronic disease dependence: techniques for evaluating parameters of partially unobserved age inhomogeneous stochastic processes. Manton KG, et al. **Theor Popul Biol** 1980 Aug; 18(1):57–75

Blood groups and genetic markers polymorphism and probability of paternity. Salmon D, et al. **Transfusion** 1980 Nov–Dec;20(6):684–94

Renal transplantation in patients over 50 years of age. Sommer BG, et al. **Transplant Proc** 1981 Mar;13(1 Pt 1):33–5

Which are the principal established or potential risks for donors undergoing cytapheresis procedures and how can they be prevented? **Vox Sang** 1980 Sep;39(3):169–79

Distribution of likelihood ratio in relation to the exclusion probability. Minakata K, et al. **Z Rechtsmed** 1980; 85(3):189–97

[An approach to the statistical treatment of multiple groups of small frequencies in medical research—hypergeometric probability distribution and its application (author's transl)] Zhou DS. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1980 Nov;14(4):211–3 **(Chi)**

[Operational assessment of adverse drug reaction: a comparison of four algorithms (author's transl)] Begaud B, et al. **Therapie** 1981 Jan–Feb;36(1):65–70 (Eng. Abstr.) **(Fre)**

[A quantitative theory of risk factors] Klemm PG. **Z Aerztl Fortbild (Jena)** 1980 May 1;74(9):428–30 **(Ger)**

[The evaluation of clinical use of logistic analysis of R. Henning in prevision of death risk in patients with recent myocardial infarction treated in intensive care unit (author's transl)] Smielak–Korombel W, et al. **Przegl Lek** 1981; 38(4):403–7 (Eng. Abstr.) **(Pol)**

[Medical term: risk factor] Sulkowski H. **Wiad Lek** 1980 Jun 15;33(12):1005–8 (Eng. Abstr.) **(Pol)**

[Sensitivity, specificity and predictive value of a test] Azevedo A de C, et al. **Arq Bras Cardiol** 1980 Mar; 34(3):173–5 **(Por)**

[Stochastic model of the formation of chromosome aberrations and cell radiation inactivation] Obaturov GM, et al. **Radiobiologiia** 1980 Nov–Dec;20(6):803–9 (Eng. Abstr.) **(Rus)**

[Dynamics of systems with induced cell proliferation within the framework of a branching stochastic process model. I. The number of cell generations induced to proliferate] Iakovlev AIu, et al. **Tsitologiia** 1980 Aug;22(8):945–53 (Eng. Abstr.) **(Rus)**

HISTORY

The historical development of the concepts of diagnosis and prognosis and their relationship to probabilistic inference. Llewelyn DE, et al. **Med Inf (Lond)** 1980 Oct–Dec; 5(4):267–80

PROBABILITY THEORY see under **OPERATIONS RESEARCH**

PROBECID see **PROBENECID**

PROBENECID

Effect of ibuprofen or aspirin on probenecid–induced uricosuria. Brooks CD, et al. **J Int Med Res** 1980;8(4):283–5

ADMINISTRATION & DOSAGE

Therapy of anorectal gonorrhea in men. Efficacy of oral antibiotic regimens. Sands M, et al. **West J Med** 1980 Dec; 133(6):469–71

BLOOD

The simultaneous analysis of clofibric acid and probenecid and the direct analysis of clofibric acid glucuronide by high–performance liquid chromatography. Veenendaal JR, et al. **J Chromatogr** 1981 Apr 10;223(1):147–54

CEREBROSPINAL FLUID

Relationship between estimated premorbid adjustment and CSF homovanillic acid and 5–hydroxyindoleacetic acid levels. Leckman JF, et al. **Am J Psychiatry** 1981 Apr; 138(4):472–7

DIAGNOSTIC USE

Serotoninergic dysfunction in the 47, XYY syndrome. Bioulac B, et al. **Biol Psychiatry** 1980 Dec;15(6):917–23

Biogenic amine disturbances in cerebrospinal fluid in parkinsonism and unipolar depression: use of the probenecid method. Vanderheyden JE, et al. **Neuropsychobiology** 1981;7(3):137–51

[Use of the probenecid test for the diagnosis and treatment of Parkinsonism. Review of the literature and personal experience (author's transl)] Vanderheyden JE, et al. **Encephale** 1980;6(4):349–66 (80 ref.) (Eng. Abstr.) **(Fre)**

METABOLISM

Probenecid and intraocular methicillin. Grant S. **Ann Ophthalmol** 1981 Feb;13(2):209–11

Clinical pharmacokinetics of probenecid. Cunningham RF, et al. **Clin Pharmacokinet** 1981 Mar–Apr;6(2):135–51 (148 ref.)

Isolation and identification of probenecid acyl glucuronide. Eggers NJ, et al. **J Pharm Pharmacol** 1981 Feb;33(2):123–4

Accelerated metabolism of probenecid during long–term treatment of rats with anticonvulsant drugs: effect on central serotonin turnover studies. Sharpless NS. **Neuropharmacology** 1981 Mar;20(3):211–6

PHARMACODYNAMICS

Effect of meningitis and probenecid on the penetration of vancomycin into cerebrospinal fluid in rabbits. Krontz DP, et al. **Antimicrob Agents Chemother** 1980 Dec;18(6):882–6

Prolongation of thiopentone anaesthesia by probenecid. Kaukinen S, et al. **Br J Anaesth** 1980 Jun;52(6):603–7

The effect of probenecid on the pharmacokinetics and distribution of cefoxitin in healthy volunteers. Reeves DS, et al. **Br J Clin Pharmacol** 1981 Apr;11(4):353–9

Effect of probenecid on amoxycillin [letter] Woodcock K. **Br J Vener Dis** 1980 Jun;56(3):183–4

Increased accumulation of methotrexate by murine tumor cells in vitro in the presence of probenecid which is mediated by a preferential inhibition of efflux. Sirotnak FM, et al. **Cancer Res** 1981 Mar;41(3):966–70

Probenecid–clofibrate interaction. Veenendaal JR, et al. **Clin Pharmacol Ther** 1981 Mar;29(3):351–8

Effect of probenecid on excretion and natriuretic action of furosemide. Andreasen F, et al. **Eur J Clin Pharmacol** 1980 Nov;18(6):489–95

Renal elimination of cefoxitin and effect of probenecid after single and repeated doses. Arvidsson A, et al. **J Antimicrob Chemother** 1981 Apr;7(4):423–30

Effect of probenecid on response to bumetanide in man. Brater DC, et al. **J Clin Pharmacol** 1981 Jul;21(7):311–5

Effects of morphine and other centrally acting drugs on 3,4–dihydroxyphenylethylene glycol sulfate (DOPEG–SO4) in rat brain. Huff JW, et al. **Life Sci** 1980 Oct 20;27(16):1483–8

Inhibition of clearance of dyphylline by probenecid [letter] May DC, et al. **N Engl J Med** 1981 Mar 26;304(13):791

Potentiation of barbiturate hypnosis by probenecid: differential effect in tolerant animals. Lyness WH, et al. **Neuropharmacology** 1981 Mar;20(3):217–26

[The effects of probenecid on the steady–state plasma concentration of digoxin (letter)] Jaillon P, et al. **Therapie** 1980 Sep–Oct;35(5):655–6 **(Fre)**

THERAPEUTIC USE

Use of probenecid in ticarcillin–induced hypokalemia. Mittal VK, et al. **Clin Ther** 1980;3(2):125–8

Single oral dose of epicillin combined with probenecid in the treatment of gonorrhoea. Theodoridis A, et al. **Curr Med Res Opin** 1980;7(1):1–4

Dicloxacillin and flucloxacillin twice daily with probenecid in staphylococcal infections. A clinical and pharmakokinetic evaluation. Hedström SA, et al. **Scand J Infect Dis** 1980;12(3):221–5

Calcinosis in dermatomyositis treated with probenecid. Skuterud E, et al. **Scand J Rheumatol** 1981;10(2):92–4

[Simultaneous therapy of gonorrhea with penicillin and probenecid. Serum penicillin picture] Petzoldt D, et al. **Hautarzt** 1980 Aug;31(8):444–6 (Eng. Abstr.) **(Ger)**

[Determination of HVA and 5–HIAA in epileptic syndromes in basal conditions and after treatment with probenecid] Carrieri P, et al. **Acta Neurol [Quad] (Napoli)** 1979;39:42–7 (Eng. Abstr.) **(Ita)**

URINE

Negligible excretion of unchanged ketoprofen, naproxen, and probenecid in urine. Upton RA, et al. **J Pharm Sci** 1980 Nov;69(11):1254–7

PROBLEM SOLVING

see related
GAME THEORY

The effect of mental arithmetic on the heart rate and vectorcardiographic parameters of cardiac recovery. Ruttkay–Nedecký I. **Act Nerv Super (Praha)** 1979 Jul;Suppl 2:391–2

Problem solving and social position among emotionally disturbed boys. Higgins JP, et al. **Am J Orthopsychiatry** 1981 Apr;51(2):356–8

Problem solving analysis: a Piagetian study. Hale JP. **Annu Conf Res Med Educ** 1980;(19):227–35

Examination of the effects of structured small group formats on medical students' problem–solving performance. Shumway JM, et al. **Annu Conf Res Med Educ** 1980; (19):215–20

Clinically relevant problem solving evaluation in preclinical medical education: a study of alternative approaches. Sprafka SA, et al. **Annu Conf Res Med Educ** 1980;(19):221–6

The family meets the hospital. Predicting the family's perception of the treatment program from its problem solving style. Costell R, et al. **Arch Gen Psychiatry** 1981 May;38(5):569–77

Nothing but problem solving? Massey RU. **Conn Med** 1981 Feb;45(2):129

Spatial problem solving: the response selection tendencies of young and elderly adults [letter] Ohta RJ. **Exp Aging Res** 1981 Spring;7(1):81–4

How one family perceives another: the relationship between social constructions and problem–solving competence. Reiss D, et al. **Fam Process** 1980 Sep;19(3):239–56

Influence of noise characteristics on behavioral aftereffects. Percival L, et al. **Hum Factors** 1980 Jun;22(3):341–52

Systematic instruction in laboratory medicine. Effects on the clinical problem solving performance of medical students. Burke MD, et al. **Hum Pathol** 1981 Feb;12(2):134–44

The medical problem solving process. Connelly DP, et al. **Hum Pathol** 1980 Sep;11(5):412–19

The nursing process: a problem–solving approach to patient care. McGilloway FA. **Int J Nurs Stud** 1980;17(2):79–90

The nursing process: application of current thinking in clinical problem solving. McCarthy MM. **J Adv Nurs** 1981 May;6(3):173–7

Problem–solving task performance in brain–damaged subjects. King MC, et al. **J Clin Psychol** 1981 Apr; 37(2):400–4

Strategies for improving productive thinking in the language impaired adult. Jenning EA, et al. **J Commun Disord** 1981 Jul;14(4):255–71

Examination of the effects of state anxiety on problem–solving efficiency under high and low memory conditions. Gross TF, et al. **J Educ Psychol** 1980 Oct; 72(5):605–9

The development of strategy use in a spatial task. Watkins B, et al. **J Genet Psychol** 1980 Sep;137(First Half):109–17

Adult age differences on traditional and practical problem–solving measures. Denney NW, et al. **J Gerontol** 1981 May;36(3):323–8

Medical problem–solving. Elstein AS, et al. **J Med Educ** 1981 Jan;56(1):75–6

Medical problem–solving: a reanalysis. McGaghie WC. **J Med Educ** 1980 Nov;55(11):912–21

Use of peers to teach interviewing and clinical problem–solving. Pepe EA, et al. **J Med Educ** 1980 Sep; 55(9):800

Problem solving in pre–operational youngsters. Zetlin AG. **J Ment Defic Res** 1981 Jun;25(Pt 2):127–32

Hospital treatment of borderline patients: toward a better understanding of problematic issues. Mark B. **J Psychiatr Nurs** 1980 Aug;18(8):25–31

A third–party consultation workshop on the India–Pakistan conflict. Fisher RJ. **J Soc Psychol** 1980 Dec;112(Second Half):191–206

Problem–based learning [editorial] **Med Educ** 1981 Jan; 15(1):1–3

An evaluation of the clinical problem–solving process using a simulation technique. Harasym P, et al. **Med Educ** 1980 Nov;14(6):381–6

Clinical problem–solving by medical students: a cross–sectional and longitudinal analysis. Neufeld VR, et al. **Med Educ** 1981 Sep;15(5):315–22

Conflict resolution and the communication myth. Haw MA. **Nurs Outlook** 1980 Sep;28(9):566–70

A validation study: simulations as a measure of nurse practitioners' problem–solving skills. Holzemer WL, et al. **Nurs Res** 1981 May–Jun;30(3):139–44

Problem–solving with working mothers. Diebenow A. **Occup Health Saf** 1981 Jul;50(7):52–3, 55

Consistency of cognitive and motor performance measures over two years in reading retarded children. Aman MG, et al. **Percept Mot Skills** 1980 Jun;50(3 Pt 2):1059–65

Developing competence in problem solving. A behavioral model. May BJ, et al. **Phys Ther** 1980 Sep;60(9):1140–5

Autonomous mode of systematic dilemma counseling. Wagman M. **Psychol Rep** 1981 Feb;48(1):231–46

Repeater problems: common pitfalls in audit technique

disclosed in a study of renal transplantation. **QRB** 1978; Special No:52–7

Identifying patient care problems by analyzing critical indicator data. Gonnella JS, et al. **QRB** 1980 Sep;6(9):16–22

The problem–solving model of diagnosis in general practice. Dornfest FD. **S Afr Med J** 1981 Feb 28;59(9):298–301

[Solving clinical problems in the undergraduate medical studies program: a pilot project] Bordage G. **Union Med Can** 1981 Jun;110(6):490–5 (Eng. Abstr.) **(Fre)**

[Problem analysis in adolescent females following attempted suicide] Hobrücker B, et al. **Prax Kinderpsychol Kinderpsychiatr** 1980 Aug–Sep; 29(6):218–25 (Eng. Abstr.) **(Ger)**

[Do adolescents use alcohol to rid themselves of inhibitions, to make contacts or to drown their problems? A comment on the government declaration from the viewpoint of the Cologne behavior disorder pedagogy] Kluge KJ, et al. **Prax Kinderpsychol Kinderpsychiatr** 1981 Jan;30(1):24–32 (Eng. Abstr.) **(Ger)**

[Effect of light sources of different spectral composition on the achievement of mental work and selected physiological functions] Klotzbücher E, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1980;30(7):241–8 (Eng. Abstr.) **(Ger)**

[Age–dependent features of systematic synthesis of temporal relations during the process of solving formal logic problems by schoolchildren] Voronin LG, et al. **Biol Nauki** 1980;(11):56–60 **(Rus)**

[Echoencephalographic indices in patients with hypertension subjected to functional stress] Gaiduk IuS. **Vrach Delo** 1981; (6):56–8 **(Rus)**

DRUG EFFECTS

Alcohol consumption by college women following exposure to unsolvable problems: learning helplessness or stress induced drinking? Noel NE, et al. **Behav Res Ther** 1980; 18(5):429–40

A new approach to the role of noradrenaline in learning: problem–solving in the marmoset after alpha–noradrenergic receptor blockade. Ridley RM, et al. **Pharmacol Biochem Behav** 1981 Jun;14(6):849–55

PHYSIOLOGY

Haptic to visual cross–modal recognition of objects in the vervet monkey. Rodriguez Echenique C, et al. **Acta Neurobiol Exp (Warsz)** 1981;41(1):113–8

Brief fasting, stress, and cognition in children. Pollitt E, et al. **Am J Clin Nutr** 1981 Aug;34(8):1526–33

Role of the neostriatal dopaminergic activity in sequencing and selecting behavioural strategies: facilitation of processes involved in selecting the best strategy in a stressful situation. Cools AR. **Behav Brain Res** 1980 Oct; 1(5):361–78

Visual evoked potentials associated with the verbal and non–verbal problem–solving processes. Kitajima S, et al. **Biol Psychol** 1980 Mar;10(2):103–14

Learning deficits in the neonatal Peking duckling produced by decreased oxygen consumption during late prenatal periods: a cautionary note. Heaton MB, et al. **Dev Psychobiol** 1980 Nov;13(6):633–6

Periodic appearance of theta rhythm in the frontal midline area during performance of a mental task. Mizuki Y, et al. **Electroencephalogr Clin Neurophysiol** 1980 Aug; 49(3–4):345–51

Physical fitness and mental performance during and after work. Sjöberg H. **Ergonomics** 1980 Oct;23(10):977–85

EEG measures of alternative strategies used by subjects to solve block designs. Wogan M, et al. **Int J Neurosci** 1981; 12(1):25–8

Aging and skilled problem solving. Charness N. **J Exp Psychol [Gen]** 1981 Mar;110(1):21–38

The function of inferoparietal cortex during cross–modal matching in the monkey: analysis of event–related potentials. Bolster RB. **Neuropsychologia** 1981;19(3):385–94

Physiological and genetic investigation of extrapolating ability in mice. Krushinskii LV, et al. **Neurosci Behav Physiol** 1980 Sep–Oct;10(5):393–400

Activity and T–maze performance in iron deficient rats. Williamson AM, et al. **Physiol Behav** 1980 Jun; 24(6):1157–60

Event–related potentials during a problem–solving task. Perrault N, et al. **Prog Brain Res** 1980;54:314–21

[Physiologic analysis of the process of breaking down a sensory experience in children 'choosing according to a model'] Chuprikova NI, et al. **Zh Vyssh Nerv Deiat** 1981 Jan–Feb;31(1):26–32 (Eng. Abstr.) **(Rus)**

[Certain new experimental approaches to the analysis of complex forms of behavior] Mukhin EI. **Zh Vyssh Nerv Deiat** 1980 Nov–Dec;30(6):1181–6 (Eng. Abstr.) **(Rus)**

[Role of the wulst in solving extrapolation problems in Corvidae birds] Zorina ZA, et al. **Zh Vyssh Nerv Deiat** 1981 Jan–Feb;31(1):185–7 **(Rus)**

PROBON see under **PYRIMIDINONES**

PROBUCOL see under **PHENOLS**

PROCAINAMIDE

Bretylium tosylate intravenous admixture compatibility. II: Dopamine, lidocaine, procainamide, and nitroglycerin. Lee YC, et al. **Am J Hosp Pharm** 1981 Feb;38(2):183–7

ADMINISTRATION & DOSAGE

Carcass of a pill: no cause for alarm [letter] Job ML, et al. **N Engl J Med** 1981 Jul 23;305(4):231

ADVERSE EFFECTS

Procainamide–induced polymorphous ventricular tachycardia. Strasberg B, et al. **Am J Cardiol** 1981 Jun; 47(6):1309–14

Drug–induced lupus: an adjuvant disease? Schoen RT, et al. **Am J Med** 1981 Jul;71(1):5–8 (52 ref.)

Acetylprocainamide therapy in patients with previous procainamide–induced lupus syndrome. Kluger J, et al. **Ann Intern Med** 1981 Jul;95(1):18–23

Procainamide–induced hemolytic anemia in a patient with traumatic cardiac hemolytic anemia [letter] Kornberg A, et al. **Arch Intern Med** 1981 Sep;141(10):1388

Procainamide–induced myasthenia–like weakness in a patient with peripheral neuropathy. Niakan E, et al. **Arch Neurol** 1981 Jun;38(6):378–9

Crithidia luciliae assay for antibodies to native DNA in procainamide–induced lupus erythematosus. Dixon JA, et al. **J Rheumatol** 1980 Jul–Aug;7(4):544–6

Drug history is important. Healey LA. **Med Times** 1981 Feb; 109(2):11

Procainamide and peripheral neuropathy. Ahmad S. **South Med J** 1981 Apr;74(4):509–10

[Procainamide–induced lupus erythematosus] Seligmann H, et al. **Harefuah** 1980 Oct 1;99(7):166–9 (Eng. Abstr.) **(Heb)**

ANALOGS & DERIVATIVES

Electrophysiologic effects of N–acetylprocainamide in human beings. Jaillon P, et al. **Am J Cardiol** 1981 May; 47(5):1134–40

Antiarrhythmic efficacy, pharmacokinetics and safety of N–acetylprocainamide in human subjects: comparison with procainamide. Roden DM, et al. **Am J Cardiol** 1980 Sep; 46(3):463–8

Clinical pharmacology and antiarrhythmic efficacy of N–acetylprocainamide. Winkle RA, et al. **Am J Cardiol** 1981 Jan;47(1):123–30

Acetylprocainamide therapy in patients with previous procainamide–induced lupus syndrome. Kluger J, et al. **Ann Intern Med** 1981 Jul;95(1):18–23

Transport rates of hepatic uptake and biliary excretion of an organic cation, acetyl procainamide ethobromide. Nakae H, et al. **Biochem Pharmacol** 1980 Oct 1;29(19):2573–6

N–acetylprocainamide induced changes in refractoriness and monophasic action potentials of the dog heart in situ. Amlie JP, et al. **Cardiovasc Res** 1981 Mar;15(3):159–63

N–Acetyl–procainamide kinetics in the elderly. Galeazzi RL, et al. **Clin Pharmacol Ther** 1981 Apr;29(4):440–6

Aging and renal clearance of procainamide and acetylprocainamide. Reidenberg MM, et al. **Clin Pharmacol Ther** 1980 Dec;28(6):732–5

Kinetics of N–acetylprocainamide deacetylation. Stec GP, et al. **Clin Pharmacol Ther** 1980 Nov;28(5):659–66

Tissue distribution of N–acetylprocainamide in rats. Yacobi A, et al. **Drug Metab Dispos** 1981 May–Jun;9(3):193–5

Theoretical basis for interest in acetylprocainamide and clinical experiences with this new antiarrhythmic agent. Drayer D, et al. **Drug Metab Rev** 1979;10(2):239–46 (23 ref.)

Pharmacokinetic studies of procainamide (PA) and N–acetylprocainamide (NAPA) in healthy subjects. Wierzchowiecki M, et al. **Int J Clin Pharmacol Ther Toxicol** 1980 Jun;18(6):272–6

Improved semi–automated analysis of procainamide and N–acetyl procainamide utilizing a totally volatile mobile phase. Quattrone AJ, et al. **J Anal Toxicol** 1981 Mar–Apr; 5(2):101–4

Drug polymer combinations. V. High performance liquid chromatographic determination and pharmacokinetic behaviour of the methacrylamide of procainamide. Gyselinck P, et al. **J Pharm Belg** 1981 May–Jun;36(3):200–2

Analysis of procainamide hydrochloride and acecainide hydrochloride in rat feed. Carter JE, et al. **J Pharm Sci** 1980 Dec;69(12):1439–40

Pharmacokinetics of procainamide and N–acetylprocainamide in rats. Kamath BL, et al. **J Pharm Sci** 1981 Mar;70(3):299–302

In vivo and in vitro antiarrhythmic and arrhythmogenic effects of N–acetyl procainamide. Dangman KH, et al. **J Pharmacol Exp Ther** 1981 Jun;217(3):851–62

Identification of desethyl procainamide in patients: a new metabolite of procainamide. Ruo TI, et al. **J Pharmacol Exp Ther** 1981 Feb;216(2):357–62

Antiarrhythmic structure activity relationships in a series of lidocaine procainamide derivatives. Ehring GR, et al. **Proc West Pharmacol Soc** 1981;24:221–4

Bioavailability of N–acetylprocainamide from mixed diet in rats. Kamath BL, et al. **Res Commun Chem Pathol Pharmacol** 1981 May; 32(2):299–308

Effect of coronary artery ligation on the pharmacokinetics of N–acetylprocainamide in dogs. Lai CM, et al. **Res Commun Chem Pathol Pharmacol** 1980 Aug; 29(2):369–72

Clinical evaluation of the EMIT procainamide and N–acetylprocainamide assay. Walberg CB, et al. **Ther Drug Monit** 1979;1(1):47–56

ANALYSIS

Analysis of procainamide hydrochloride and acecainide hydrochloride in rat feed. Carter JE, et al. **J Pharm Sci** 1980 Dec;69(12):1439–40

BLOOD

Relationship between plasma levels of procainamide, suppression of premature ventricular complexes and prevention of recurrent ventricular tachycardia. Myerburg RJ, et al. **Circulation** 1981 Aug;64(2):280–90

Improved semi–automated analysis of procainamide and N–acetyl procainamide utilizing a totally volatile mobile phase. Quattrone AJ, et al. **J Anal Toxicol** 1981 Mar–Apr; 5(2):101–4

Procainamide interference with liquid chromatography of theophylline in serum. Marion A, et al. **Ther Drug Monit** 1981;3(1):107–8

Clinical evaluation of the EMIT procainamide and N–acetylprocainamide assay. Walberg CB, et al. **Ther Drug Monit** 1979;1(1):47–56

[Changes in the determination of the acetylation phenotype during treatment with procainamide (letter)] Aubry JP, et al. **Therapie** 1980 Sep–Oct;35(5):653–4 **(Fre)**

CHEMICAL SYNTHESIS

[A novel synthesis of procainamide hydrochloride (author's transl)] Xu CZ. **Yao Hsueh Hsueh Pao** 1979 Nov; 14(11):681–4 (Eng. Abstr.) **(Chi)**

IMMUNOLOGY

Production and characterization of specific antibody for radioimmunoassay of procainamide. Mojaverian P, et al. **J Pharm Sci** 1980 Jun;69(6):721–4

METABOLISM

Antiarrhythmic efficacy, pharmacokinetics and safety of N–acetylprocainamide in human subjects: comparison with procainamide. Roden DM, et al. **Am J Cardiol** 1980 Sep; 46(3):463–8

Aging and renal clearance of procainamide and acetylprocainamide. Reidenberg MM, et al. **Clin Pharmacol Ther** 1980 Dec;28(6):732–5

Covalent binding of procainamide in vitro and in vivo to hepatic protein in mice. Freeman RW, et al. **Drug Metab Dispos** 1981 May–Jun;9(3):188–92

Metabolism of procainamide in the perfused rat liver. Uetrecht JP, et al. **Drug Metab Dispos** 1981 May–Jun; 9(3):183–7

Pharmacokinetic studies of procainamide (PA) and N–acetylprocainamide (NAPA) in healthy subjects. Wierzchowiecki M, et al. **Int J Clin Pharmacol Ther Toxicol** 1980 Jun;18(6):272–6

Factors influencing procainamide total body clearance in the immediate postmyocardial infarction period. Wyman MG, et al. **J Clin Pharmacol** 1981 Jan;21(1):20–5

Pharmacokinetics of procainamide and N–acetylprocainamide in rats. Kamath BL, et al. **J Pharm Sci** 1981 Mar;70(3):299–302

Identification of desethyl procainamide in patients: a new metabolite of procainamide. Ruo TI, et al. **J Pharmacol Exp Ther** 1981 Feb;216(2):357–62

PHARMACODYNAMICS

Effects of procainamide on strength–interval relations in normal and chronically infarcted canine myocardium. Michelson EL, et al. **Am J Cardiol** 1981 Jun;47(6):1223–32

The effect of procainamide on delayed activation potentials in a patient with ventricular tachycardia. Bailey B, et al. **PACE** 1980 Nov;3(6):695–701

The effect of Craviten, a new antiarrhythmic drug, its 2R, 2'R isomer, quinidine and procaine amide on human platelet aggregation. Kędryna T, et al. **Pol J Pharmacol Pharm** 1980 Nov–Dec;32(6):883–8

[Selective depressant effects of procainamide on the depolarized cells (author's transl)] Sada H, et al. **Kokyu To Junkan** 1980 Dec;28(12):1409–13 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Procainamide, oxprenolol and amiodarone as antidysrhythmic drugs in myocardial infarction. Tuna JL, et al. **Acta Med Port** 1980 Dec;Suppl 1:27–32

Modification of ventricular tachycardia by procainamide in patients with coronary artery disease. Engel TR, et al. **Am J Cardiol** 1980 Dec 1;46(6):1033–8

Efficacy, plasma concentrations and adverse effects of a new sustained release procainamide preparation. Giardina EG, et al. **Am J Cardiol** 1980 Nov;46(5):855–62

Simultaneous anterograde fast–slow atrioventricular nodal pathway conduction after procainamide. Gomes JA, et al. **Am J Cardiol** 1980 Oct;46(4):677–84

Large dose procainamide therapy for ventricular

tachyarrhythmia. Greenspan AM, et al. **Am J Cardiol** 1980 Sep;46(3):453–62

Efficacy of intravenous procainamide infusion in converting atrial fibrillation to sinus rhythm. Relation to left atrial size. Halpern SW, et al. **Br Heart J** 1980 Nov;44(5):589–95

The effectiveness of antiarrhythmic agents on early-cycle premature ventricular complexes. Krone RJ, et al. **Circulation** 1981 Mar;63(3):664–9

Effect of procainamide on left ventricular performance in patients with primary myocardial disease. Geleris P, et al. **Eur J Clin Pharmacol** 1980 Oct;18(4):311–4

[Computerized analysis of the clinical effectiveness of intravenous/disopyramide and procainamide in patients with stabilized and complicated ventricular extrasystole] Naccarella F, et al. **Boll Soc Ital Cardiol** 1979; 24(12):1297–305 **(Ita)**

TOXICITY

Drug polymer combinations IV. Toxicity screening of procainamide and its methacrylamide derivates on Artemia. Gyselinck P, et al. **J Pharm Belg** 1981 Mar–Apr; 36(2):118–22

PROCAINE

Surface activities of tertiary amine local anesthetics at air/water interface in the presence and absence of phospholipid monolayers. Lin HC, et al. **Biochim Biophys Acta** 1980 May 8;598(1):51–65

Multiple binding sites for local anesthetics in membranes: characterization of the sites and their equilibria by deuterium NMR of specifically deuterated procaine and tetracaine. Boulanger Y, et al. **Can J Biochem** 1980 Oct; 58(10):986–95

[Novocaine infiltration of the obturator nerve during transurethral resection of bladder tumors] Viville C, et al. **Acta Urol Belg** 1980 Jan;48(1):49–55 (Eng. Abstr.) **(Fre)**

[Sacral anesthesia with novocaine in ureterolith extraction] Kozii AG. **Urol Nefrol (Mosk)** 1980 Sep–Oct;(5):60–1 **(Rus)**

ADMINISTRATION & DOSAGE

Pharmacokinetics of procaine injected into the hock joint of the horse. Wintzer HJ, et al. **Equine Vet J** 1981 Jan; 13(1):68–9

Treatment of low back pain [letter] Bosanquet E. **Med J Aust** 1980 Sep 20;2(6):341

[Detergent–novocaine solution in the local treatment of surface thermal burns] Margulis FB. **Sov Med** 1981;(5):97–8 **(Rus)**

[Changes in coagulographic indices of patients with cerebral atherosclerosis complicated by mental disorders during the treatment process] Pavlova SI. **Zh Nevropatol Psikhiatr** 1980;80(7):1016–9 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Alteration of lidocaine- or procaine-induced convulsions by manipulation of brain amines. Ciarlone AE. **J Dent Res** 1981 Feb;60(2):182–6

[Case of Hoigné's syndrome in the treatment of a mandibular fracture] Duniewski A, et al. **Czas Stomatol** 1980 Dec; 33(12):1123–6 (Eng. Abstr.) **(Pol)**

[Analgesin anesthesia as a maximally safe method of general anesthesia] Topchibashev MA. **Vestn Akad Med Nauk SSSR** 1980;(9):7–11 **(Rus)**

ANALOGS & DERIVATIVES

Epidural block with chloroprocaine during labour. Carlsson C, et al. **Acta Anaesthesiol Scand** 1980 Dec;24(6):469–71

The chloroprocaine controversy. de Jong RH. **Am J Obstet Gynecol** 1981 Jun 1;140(3):237–9

Chloroprocaine [letter] Flowerdew RM. **Anaesthesia** 1981 May;36(5):535

Prolonged neural blockade following regional analgesia with 2-chloroprocaine [letter] **Anesth Analg (Cleve)** 1980 Oct; 59(10):810–1

Mixtures of local anesthetics: bupivacaine-chloroprocaine. Galindo A, et al. **Anesth Analg (Cleve)** 1980 Sep;59(9):683–5

Local anesthetic toxicity [letter] Gibbs CP, et al. **Anesth Analg (Cleve)** 1980 Dec;59(12):955

Local anesthetic toxicity [letter] Janowsky EC, et al. **Anesth Analg (Cleve)** 1981 Jun;60(6):455

Intra-arterial chloroprocaine for the control of pain associated with partial splenic embolization. Parris WC, et al. **Anesth Analg (Cleve)** 1981 Feb;60(2):112–5

Epinephrine does not alter human intervillous blood flow during epidural anesthesia. Albright GA, et al. **Anesthesiology** 1981 Feb;54(2):131–5

Plasma levels of 2-chloroprocaine and lack of sequelae following an apparent inadvertent intravenous injection [letter] Gross TL, et al. **Anesthesiology** 1981 Feb;54(2):173

Urinary metabolites of chloroprocaine studied by combined gas chromatography--mass spectrometry. Krohg K, et al. **Anesthesiology** 1981 Apr;54(4):329–32

Kinetics of local anesthetic esters and the effects of adjuvant drugs on 2-chloroprocaine hydrolysis. Raj PP, et al. **Anesthesiology** 1980 Oct;53(4):307–14

Differential nerve block by bupivacaine and 2-chloroprocaine. An experimental study. Rosenberg PH, et al. **Br J Anaesth** 1980 Dec;52(12):1183–9

Chloroprocaine labeling revised. **FDA Drug Bull** 1980 Nov; 10(3):23–4

Interaction of a fluorescent procaine analogue with phosphatidylcholine vesicles. Trzos W, et al. **FEBS Lett** 1981 May 18;127(2):196–200

Anesthetic effects from low concentrations of proparacaine and benoxinate. Jauregui MJ, et al. **J Am Optom Assoc** 1980 Jan;51(1):37–41

Misuse of topical ocular anesthetics. Hagan JC 3d. **Mo Med** 1981 Apr;78(4):191–2

[Comparison of the local anesthetic activity of the eye drops Novesine and Alcain in laboratory experiments] Kopáčová L, et al. **Cesk Farm** 1980 Sep;29(7):260–2 (Eng. Abstr.) **(Cze)**

[Particularly rapid appearance of a severe toxic keratopathy caused by oxybuprocaine] Jallet G, et al. **Bull Soc Ophtalmol Fr** 1980 Apr–May;80(4–5):385–7 (Eng. Abstr.) **(Fre)**

[Influence of procaine and nicotinoyl-procaine on enzyme activities, nucleic acid and protein synthesis in primary cultures of heart and skeletal muscle cells of rats (author's transl)] Freimüller B, et al. **Arzneimittelforsch** 1980; 30(10):1641–3 (Eng. Abstr.) **(Ger)**

[Influence of procaine and nicotinoyl-procaine on primary cultures of cerebellum and kidney cells from neonatal rats (author's transl)] Müller WH, et al. **Arzneimittelforsch** 1980; 30(10):1636–40 (Eng. Abstr.) **(Ger)**

ANALYSIS

[Determination of aminofenazone and procaine in a pharmaceutical preparation using HPLC] Maurich V, et al. **Farmaco [Prat]** 1980 Nov;35(11):536–43 (Eng. Abstr.) **(Ita)**

[Photometric determination of novocaine in drug forms] Ivakhnenko PN, et al. **Farmatsiia** 1980 May–Jun; 29(3):59–62 **(Rus)**

BLOOD

[Novocaine and promedol concentrations in the blood of experimental animals with jet and needle-syringe methods of administration] Koroteev AV, et al. **Anesteziol Reanimatol** 1980 Aug;(4):21–3 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Preparation and immunological properties of procaine-protein conjugates. Liakopoulou A. **Allergy** 1981 Jan;36(1):49–57

PHARMACODYNAMICS

Experimental evaluation of myocardial preservation techniques: V. A. membrane-stabilizing agent, procaine hydrochloride. Nishi T, et al. **Ann Thorac Surg** 1980 Oct; 30(4):349–55

Effect of some membrane stabilizing drugs on histamine-induced contraction of guinea pig ileum. Alvarez RG, et al. **Arch Immunol Ther Exp (Warsz)** 1980; 28(6):911–5

Anesthetics alter outer membrane architecture and temperature range of growth of Escherichia coli K12. Janoff AS, et al. **Biochem Biophys Res Commun** 1980 Aug 14;95(3):1364–71

Location and effect of procaine on lecithin/cholesterol membranes using X-ray diffraction methods. Coster HG, et al. **Biochim Biophys Acta** 1981 Feb 20;641(1):281–5

Reversible blockade of myelinated and non-myelinated cardiac afferents in cats by instillation of procaine into the pericardium. Arndt JO, et al. **Cardiovasc Res** 1981 Feb; 15(2):61–7

Acute hypertension after the local injection of kainic acid into the nucleus tractus solitarii of rats. Talman WT, et al. **Circ Res** 1981 Feb;48(2):292–8

Local anesthetics and the role of sodium in the force development by canine ventricular muscle and purkinje fibers. Vassalle M, et al. **Circ Res** 1980 Nov;47(5):666–74

Effects of tertiary amine local anesthetics on the assembly and disassembly of brain microtubules in vitro. Genna JM, et al. **Eur J Biochem** 1980 Sep;110(2):457–64

Alteration by procaine of spectrin cross-links, deformability, and fluidity related properties of the erythrocyte membrane. Geyer G, et al. **Folia Haematol (Leipz)** 1980; 107(3):472–86

Inhibitory effect of membrane-specific drugs on liquid-holding recovery in U.V.-irradiated E. coli cells. Yonei S. **Int J Radiat Biol** 1980 Jun;37(6):685–9

Selective inhibition of carbohydrate transport by the local anesthetic procaine in Escherichia coli. Granett S, et al. **J Bacteriol** 1981 Aug;147(2):289–96

Pharmacological evidence for cell surface control of oral regeneration in Stentor coeruleus. Maloney MS. **J Cell Physiol** 1980 May;103(2):305–11

The effect of local anaesthetics on strophanthidin toxicity in canine cardiac Purkinje fibres. Bhattacharyya ML, et al. **J Physiol (Lond)** 1981 Mar;312:125–42

Effect of procaine in crystalloid and blood potassium cardioplegia solutions. Takamoto S, et al. **J Surg Res** 1980 Dec;29(6):497–509

Protection of the myocardium during ischemic arrest. Dose-response curves for procaine and lignocaine in cardioplegic solutions. Hearse DJ, et al. **J Thorac Cardiovasc Surg** 1981 Jun;81(6):873–9

Effect of altered membrane lipid composition and procaine on hyperthermic killing of ascites tumor cells. Hidvégi EJ, et al. **Oncology** 1980;37(5):360–3

[Effect of chlorpromazine, lidocaine and procaine on the electrophoretic mobility of rat erythrocytes] Vasileva A, et al. **Eksp Med Morfol** 1980;19(4):224–8 (Eng. Abstr.) **(Bul)**

[Effects of local anesthetics (procaine, tetracaine) on slow calcium permeability and contraction of frog skeletal muscle fiber] Raymond G, et al. **C R Acad Sci [D] (Paris)** 1981 Mar 2;292(9):637–40 (Eng. Abstr.) **(Fre)**

[Influence of procaine and nicotinoyl-procaine on enzyme activities, nucleic acid and protein synthesis in primary cultures of heart and skeletal muscle cells of rats (author's transl)] Freimüller B, et al. **Arzneimittelforsch** 1980; 30(10):1641–3 (Eng. Abstr.) **(Ger)**

[Influence of procaine and nicotinoyl-procaine on primary cultures of cerebellum and kidney cells from neonatal rats (author's transl)] Müller WH, et al. **Arzneimittelforsch** 1980; 30(10):1636–40 (Eng. Abstr.) **(Ger)**

[Properties of solutions used for intra-articular injections and their effects on articular cartilage in animal experiments] Trzenschik K, et al. **Beitr Orthop Traumatol** 1980 Oct; 27(10):552–9 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Malignant hyperthermia. Considerations for the ophthalmologist. Sedwick LA, et al. **Surv Ophthalmol** 1981 May–Jun;25(6):378–82

The state and the goals of the gerontological research at the National Institute of Gerontology and Geriatrics in Romania. Aslan A. **ZFA (Dresden)** 1980;35(2):131–54

[Initial results of using Cardioplegin in heart operations] Dragoichev Ch, et al. **Khirurgiia (Sofiia)** 1981;34(1):13–20 (Eng. Abstr.) **(Bul)**

[Procaine--and its use in general practice] Vogl P. **Z Aerztl Fortbild (Jena)** 1980 Aug 15;74(16):769–71 **(Ger)**

PROCAINE AMIDE see **PROCAINAMIDE**

PROCARBAZINE

ADMINISTRATION & DOSAGE

Modified procarbazine, CCNU, and vincristine (PCV 3) combination chemotherapy in the treatment of malignant brain tumors. Levin VA, et al. **Cancer Treat Rep** 1980 Feb–Mar;64(2–3):237–44

Supradiaphragmatic Hodgkin's disease: is there a role for MOPP chemotherapy in patients with bulky mediastinal disease? Mauch P, et al. **Int J Radiat Oncol Biol Phys** 1980 Jul;6(7):947–9

[The study of VENP therapy for acute lymphocytic leukemia (author's transl)] Yoshikawa H, et al. **Rinsho Ketsueki** 1980 Jun;21(6):778–84 **(Jpn)**

[Therapeutic results in malignant lymphomas treated by the COPP and POPP drug administration schedules] Iavorkovskii LI, et al. **Vopr Onkol** 1981;27(4):34–9 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Oxidative metabolism of N-isopropyl-alpha-(2-methylazo)-p-toluamide (azoprocarbazine) by rodent liver microsomes. Wiebkin P, et al. **Cancer Res** 1980 Oct;40(10):3524–9

Analysis of procarbazine and metabolites by gas chromatography-mass spectrometry. Gorsen RM, et al. **J Chromatogr** 1980 Dec 12;221(2):309–18

ANALYSIS

Spectrophotometric method for the determination of procarbazine hydrochloride in capsules. Hassib ST. **Analyst** 1980 Jul;105(1252):669–73

PHARMACODYNAMICS

A mutation affecting the lactate dehydrogenase locus Ldh-1 in the mouse-I. Genetical and electrophoretical characterization. Charles DJ, et al. **Biochem Genet** 1981 Apr;19(3–4):301–9

The detection of mutants in mice by electrophoresis: results of a model induction experiment with procarbazine. Johnson FM, et al. **Genetics** 1981 Jan;97(1):113–24

Alterations of immune response of DBA/2 mice by procarbazine treatment. Baig MA, et al. **Immunopharmacology** 1981 Jun;3(2):129–36

Temporal specificity of procarbazine in the inhibition of mouse immune responses to allogeneic tumor. Hoffmann CC, et al. **J Immunopharmacol** 1979;1(2):157–73

Mouse spermatogonia exposed to a high, multiply fractionated dose of a cancer chemotherapeutic drug: mutation analysis by electrophoresis. Johnson FM, et al. **Mutat Res** 1981 Apr;81(2):197–202

Detection of mutagenicity of procarbazine by the host-mediated assay with polychlorinated biphenyl (aroclor 1254) as enzyme inducer. Moriya M, et al. **Mutat Res** 1980 Oct;79(2):107–14

DNA damage and repair in mouse tissues following procarbazine administration. Brambilla G, et al. **Pharmacol Res Commun** 1981 Mar;13(3):213–22

Growth of human tumors in mice after short-term immunosuppression with procarbazine, cyclophosphamide, and antilymphocyte serum. Floersheim GL, et al. **Transplantation** 1980 Oct;30(4):275–80

A study on the mechanism of donor pretreatment: effect of procarbazine hydrochloride and methylprednisolone in immunocompetent cells. van der Linden CJ, et al. **Transplantation** 1981 Jul;32(1):24–8

Prolongation of canine renal allograft survival. A study on the effect of donor pretreatment. van der Linden CJ, et al. **Transplantation** 1980 Aug;30(2):132–4

[Use of the D7 strain of S. cerevisiae in the determination of environmental genetic risk. 2. Genetic effects of procarbazine] Bronzetti G, et al. **Boll Soc Ital Biol Sper** 1980 Jun 30;56(12):1322–8 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

Long-term survival of patients with Hodgkin's disease. Treatment with cyclophosphamide, vinblastine, procarbazine, and prednisone. Gibbs GE, et al. **Arch Intern Med** 1981 Jun;141(7):897–900

An inverse relationship between the growth rate of human melanoma xenografts and their response to some cytostatic drugs. Fodstad O, et al. **Br J Cancer** 1980 May;41(5):829–31

[Immunosuppressive therapy following penetrating keratoplasty (author's transl)] Gnad HD. **Ophthalmologica** 1980;180(1):9–14 (Eng. Abstr.) **(Ger)**

TOXICITY

The inhibition and potentiation of procarbazine on hepatic mixed-function oxidases in phenobarbital tolerant and nontolerant mice. Onoda K, et al. **Drug Chem Toxicol** 1980; 3(2):185–200

PROCESS ASSESSMENT see **OUTCOME AND PROCESS ASSESSMENT (HEALTH CARE)**

PROCETOFEN see under **PROPIONATES**

PROCHLORPERAZINE

ADVERSE EFFECTS

Compazine complications: a review. Baker FM, et al. **J Natl Med Assoc** 1981 May;73(5):409–12 (18 ref.)

PHARMACODYNAMICS

Double-blind comparison of the antiemetic effects of nabilone and prochlorperazine on chemotherapy-induced emesis. Steele N, et al. **Cancer Treat Rep** 1980 Feb–Mar; 64(2–3):219–24

THERAPEUTIC USE

Antiemetic effect of tetrahydrocannabinol. Compared with placebo and prochlorperazine in chemotherapy-associated nausea and emesis. Orr LE, et al. **Arch Intern Med** 1980 Nov;140(11):1431–3

PROCOLLAGEN

Proteolytic enzymes as probes for the triple-helical conformation of procollagen. Bruckner P, et al. **Anal Biochem** 1981 Jan 15;110(2):360–8

Kinetics of collagen fold formation in human type I procollagen and the effect of disulfide bonds. Gerard S, et al. **Biochemistry** 1981 Mar 31;20(7):1857–65

ANALYSIS

Primary structure of the carbohydrate-containing regions of the carboxyl propeptides of type I procollagen. Pesciotta DM, et al. **FEBS Lett** 1981 Mar 23;125(2):170–4

Immunohistochemical localization of procollagens. III. Type I procollagen antigenicity in osteoblasts and prebone (osteoid). Wright GM, et al. **J Histochem Cytochem** 1981 Jul;29(7):791–804

An axial periodic fibrillar arrangement of antigenic determinants for fibronectin and procollagen on ascorbate treated human fibroblasts. Furcht LT, et al. **J Supramol Struct** 1980;13(1):15–33

Immunofluorescence with specific antisera to collagen and procollagen as a new diagnostic tool. Wick G. **Suppl Thromb Haemostas** 1978;63:181–5

BIOSYNTHESIS

Effect of the arginine analog, canavanine, on the synthesis and secretion of procollagen. Schein J, et al. **Arch Biochem Biophys** 1980 Sep;203(2):572–9

Demonstration by immunofluorescence that the same cells from chick embryo aortas synthesize elastin and collagen types I and III. Kao WW, et al. **Artery** 1980;7(3):176–90

Collagen biosynthesis by human skin fibroblasts. III. The effects of ascorbic acid on procollagen production and prolyl hydroxylase activity. Booth BA, et al. **Biochim Biophys Acta** 1981 Jun 11;675(1):117–22

Bleomycin-induced synthesis of type I procollagen by human lung and skin fibroblasts in culture. Clark JG, et al. **Biochim Biophys Acta** 1980 Aug 13;631(2):359–70

Collagen biosynthesis by human skin fibroblasts. II. Isolation and further characterization of type I and type III procollagens synthesized in culture. Uitto J, et al. **Biochim Biophys Acta** 1980 Aug 21;624(2):545–61

Effect of the flavonoid (+)cyanidanol-3 on procollagen biosynthesis and transport in normal and ataxia telangiectasis cultured skin fibroblasts. Becker Y, et al. **Connect Tissue Res** 1981;8(2):77–84

Biosynthesis of two subunits of type IV procollagen and of other basement membrane proteins by a human tumor cell line. Alitalo K, et al. **Eur J Biochem** 1980 Aug; 109(1):247–55

Assembly and processing of procollagen type III in chick embryo blood vessels. Fessler LI, et al. **J Biol Chem** 1981 Mar 10;256(5):2531–7

Procollagen production and procollagen messenger RNA levels and activity in human lung fibroblasts during periods of rapid and stationary growth. Tolstoshev P, et al. **J Biol Chem** 1981 Mar 25;256(6):3135–40

Procollagen I synthesis in human skin fibroblasts: effect on culture conditions on biosynthesis. Freiberger H, et al. **J Invest Dermatol** 1980 Nov;75(5):425–30

Human skin fibroblasts in culture: procollagen synthesis in the presence of sera from normal human subjects and from patients with dermal fibroses. Tan EM, et al. **J Invest Dermatol** 1981 Jun;76(6):462–7

Procollagen mRNA metabolism during the fibroblast cell cycle and its synthesis in transformed cells. Parker I, et al. **Nucleic Acids Res** 1980 Jun 25;8(12):2823–33

Biosynthesis of A,B procollagen. Kumamoto CA, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6434–8

BLOOD

Serum concentration of procollagen-III-peptide in comparison with the serum activity of N-acetyl-beta-glucosaminidase for diagnosis of the activity of liver fibrosis in patients with chronic active liver diseases. Ackermann W, et al. **Clin Chim Acta** 1981 May; 112(3):365–9

[Clinical-chemical activity diagnosis in liver fibrosis] Pott G, et al. **Med Welt** 1981 Jan 16;32(3):75–8 **(Ger)**

GENETICS

Regulation or procollagen messenger ribonucleic acid levels in Rous sarcoma virus transformed chick embryo fibroblasts. Sobel MR, et al. **Biochemistry** 1981 Apr 28; 20(9):2678–84

Correlation of collagen synthesis and procollagen messenger RNA levels with transformation in rat embryo fibroblasts. Sandmeyer S, et al. **Cancer Res** 1981 Mar;41(3):830–8

Coordinate transcriptional regulation of type I procollagen genes by Rous sarcoma virus. Sandmeyer S, et al. **J Biol Chem** 1981 May 25;256(10):5022–8

Parathyroid hormone alters collagen synthesis and procollagen mRNA levels in fetal rat calvaria. Kream BE, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):5654–8

Cloning a cDNA for the pro-alpha 2 chain of human type I collagen. Myers JC, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3516–20

Fine structural analysis of the chicken pro alpha 2 collagen gene. Wozney J, et al. **Proc Natl Acad Sci USA** 1981 Feb; 78(2):712–6

ISOLATION & PURIFICATION

Characterization of procollagen type IV and of its heterogenous accumulation products in the extracellular matrix of bovine lens cells in culture. Laurent M, et al. **Int J Biochem** 1981;13(1):63–70

METABOLISM

Arterial procollagen type I, and type III, and fibronectin: effects of diabetic serum, glucose, insulin, ketone, and growth hormone studied on rabbit aortic myomedial cell cultures. Ledet T, et al. **Diabetes** 1980 Dec;29(12):964–70

Cathepsin D: specificity of peptide-bond cleavage in type-I collagen and effects on type-III collagen and procollagen. Scott PG, et al. **Eur J Biochem** 1981;114(1):59–62

Propeptides of procollagen V (A,B) in chick embryo crop. Kumamoto CA, et al. **J Biol Chem** 1981 Jul 10; 256(13):7053–8

Evidence for a structural mutation of procollagen type I in a patient with the Ehlers-Danlos syndrome type VII. Steinmann B, et al. **J Biol Chem** 1980 Sep 25; 255(18):8887–93

Kinetic studies of the intracellular transport of procollagen and fibronectin in human fibroblasts. Effects of the monovalent ionophore, monensin. Uchida N, et al. **J Biol Chem** 1980 Sep 25;255(18):8638–44

Shift in collagen type as an early response to induction of the metanephric mesenchyme. Ekblom P, et al. **J Cell Biol** 1981 May;89(2):276–83

Immunocytochemical localization of procollagen and fibronectin in human fibroblasts: effects of the monovalent ionophore, monensin. Ledger PW, et al. **J Cell Biol** 1980 Dec;87(3 Pt 1):663–71

HSV-1 infection inhibits procollagen and protein secretion from normal and ataxia telangiectasia cultured skin fibroblasts. Becker Y, et al. **J Gen Virol** 1980 Nov;51(Pt 1):201–6

An attempt at quantitation of procollagens I and III and of collagen IV in tooth sections by exposure to the corresponding antibodies followed by 125I-protein A and radioautography. Wright GM, et al. **J Histochem Cytochem** 1980 Dec;28(12):1355–8

Basal lamina glycoproteins are produced by neuroblastoma cells. Alitalo K, et al. **Nature** 1980 Oct 2;287(5781):465–6

A defect in the structure of type I procollagen in a patient who had osteogenesis imperfecta: excess mannose in the COOH-terminal propeptide. Peltonen L, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):6179–83

Ascorbate-induced fibroblast cell matrix: reaction of antibodies to procollagen I and III and fibronectin in an axial periodic fashion. Furcht LT, et al. **Prog Clin Biol Res** 1980;41:829–43

PHYSIOLOGY

Effects of procollagen peptides on the translation of type II collagen messenger ribonucleic acid and on collagen biosynthesis in chondrocytes. Paglia LM, et al. **Biochemistry** 1981 Jun 9;20(12):3523–7

SECRETION

Thrombin affects fibronectin and procollagen in the pericellular matrix of cultured human fibroblasts. Keski-Oja J, et al. **Biochim Biophys Acta** 1981 Mar 18; 673(3):323–31

Altered secretion of type III procollagen in a form of type IV Ehlers-Danlos syndrome. Biochemical studies in cultured fibroblasts. Byers PH, et al. **Lab Invest** 1981 Apr; 44(4):336–41

PROCOLLAGEN PEPTIDASE see under **PEPTIDE PEPTIDOHYDROLASES**

PROCONVERTIN see **FACTOR VII**

PROCTITIS

Acute gangrenous proctitis. Diehl JT, et al. **Cleve Clin Q** 1980 Winter;47(4):295–8

DIAGNOSIS

Cryptitis in adults. Duhamel J, et al. **Am J Proctol Gastroenterol Colon Rectal Surg** 1981 Apr; 32(4):14–20

Nonspecific proctitis. Bolan RK. **J Homosex** 1980 Spring; 5(3):299–305

Confirmatory serodiagnosis of lymphogranuloma venereum proctitis may yield false-positive results due to other chlamydial infections of the rectum. Schachter J. **Sex Transm Dis** 1981 Jan–Mar;8(1):26–8

The utility of anoscopy in the rapid diagnosis of symptomatic anorectal gonorrhea in men. William DC, et al. **Sex Transm Dis** 1981 Jan–Mar;8(1):16–7

[Pararectal cystic teratoid formations and paraproctitis (clinical and diagnostic comparisons)] Koplatadze AM, et al. **Khirurgiia (Mosk)** 1980 Dec;(12):50–5 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Treatment of gonococcal proctitis [letter] Hoffman JR. **Ann Emerg Med** 1981 Sep;10(9):499

Effect of sulphapyridine, 5-aminosalicylic acid, and placebo in patients with idiopathic proctitis: a study to determine the active therapeutic moiety of sulphasalazine. van Hees PA, et al. **Gut** 1980 Jul;21(7):632–5

On the efficacy of ready-made-up commercially available salicylazosulphapyridine enemas in the treatment of proctitis, proctosigmoiditis and ulcerative colitis involving rectum, sigmoid and descending colon. Frühmorgen P, et al. **Hepatogastroenterology** 1980 Dec;27(6):473–6

Use of topical rectal therapy to preserve the rectum in surgery of ulcerative colitis. Gallone L, et al. **World J Surg** 1980 Sep;4(5):609–13

[Value of fludarene in certain forms of hemorrhagic anal inflammations] Copé R. **Med Chir Dig** 1981;10(3):281–2 **(Fre)**

ETIOLOGY

Syndrome of pelvic cellulitis following rectal sexual trauma. Weinstein MA, et al. **Am J Gastroenterol** 1981 May; 75(5):380–1

Necrotizing proctitis with perforation of the rectal wall due to barium enema. A case report and review of the literature. Lazarovitch I, et al. **Am J Proctol Gastroenterol Colon Rectal Surg** 1980 Sep; 31(9):22–4

Campylobacter proctitis in a homosexual man. Quinn TC, et al. **Ann Intern Med** 1980 Sep;93(3):458–9

Proctitis and colitis following diversion of the fecal stream. Glotzer DJ, et al. **Gastroenterology** 1981 Mar;80(3):438–41

Chronic proctitis in male homosexuals due to lymphogranuloma venereum. Levine JS, et al. **Gastroenterology** 1980 Sep;79(3):563–5

Herpesvirus hominis (type 1) proctitis. Levine JB, et al. **J Clin Gastroenterol** 1979 Sep;1(3):225–7

Evaluation of acute proctitis [letter] Halstead-McFarland DC, et al. **JAMA** 1981 Jan 16;245(3):235–6

Chlamydia trachomatis proctitis. Quinn TC, et al. **N Engl J Med** 1981 Jul 23;305(4):195–200

PATHOLOGY

Rectal biopsy in early Lymphogranuloma venereum proctitis. Geller SA, et al. **Am J Gastroenterol** 1980 Nov;74(5):433–5
Allergic proctitis, a clinical and immunopathological entity. Rosekrans PC, et al. **Gut** 1980 Dec;21(12):1017–23
The biopsy in evaluating patients with inflammatory bowel disease. Mitros FA. **Med Clin North Am** 1980 Nov; 64(6):1037–57

SURGERY

[Anaerobic paraproctitis] Belokon' VG, et al. **Klin Khir** 1981 Jan;(1):55–6 **(Rus)**
[Chronic recurrent paraproctitis] Blinnichev NM, et al. **Vestn Khir** 1980 Dec;125(12):70–3 (Eng. Abstr.) **(Rus)**
[Treatment of acute horseshoe-shaped paraproctitis] Selivanov VI, et al. **Vestn Khir** 1981 Mar;126(3):59–61 (Eng. Abstr.) **(Rus)**

PROCTOCOLITIS see under **COLITIS**

PROCTOLOGY see **COLON AND RECTAL SURGERY (SPECIALTY)**

PROCTOSCOPY

Proctoscopy in infancy with reference to its use in necrotising enterocolitis. Fenton TR, et al. **Arch Dis Child** 1981 Feb; 56(2):121–4
Proctoscopy and sigmoidoscopy [letter] **Br Med J** 1980 Aug 23;281(6239):561–2
[Role of rectoscopy in the diagnosis of vascular enteropathy of newborn infants (letter)] Gouyon JB, et al. **Arch Fr Pediatr** 1981 Mar;38(3):213 **(Fre)**
[Value of radiologic and endoscopic examinations in diagnosing diseases of the large intestine (author's transl)] Prikazská M, et al. **Bratisl Lek Listy** 1981;75(6):662–8 (Eng. Abstr.) **(Slo)**

ADVERSE EFFECTS

Bacteremia after proctoscopy and hemorrhoidal injection sclerotherapy. Adami B, et al. **Dis Colon Rectum** 1981 Jul–Aug;24(5):373–4
[Ileus as a late complication of barium peritonitis] Economou D. **Rozhl Chir** 1981 Jun;60(6):419–21 (Eng. Abstr.) **(Cze)**

METHODS

Proctoscopy and sigmoidoscopy [letter] **Br Med J** 1980 Sep 6;281(6241):682
Proctoscopy and sigmoidoscopy. Ellis DJ, et al. **Br Med J** 1980 Aug 9;281(6237):435–7

VETERINARY

Flexible fiberoptic proctoscopy compared with fecal examination techniques for diagnosis of Prosthenorchis infection in squirrel monkeys (Saimiri sciureus). Morin ML, et al. **Lab Anim Sci** 1980 Dec;30(6):1009–11

PROCTOSIGMOIDOSCOPY see **SIGMOIDOSCOPY**

PROCYCLIDINE see under **PYRROLIDINES**

PRODIGIOSIN

BIOSYNTHESIS

Inhibitory effect of polymyxin B on prodigiosin biosynthesis in Serratia marcescens [letter] Tsang JC, et al. **J Antibiot (Tokyo)** 1980 Apr;33(4):455–7

PRODIGIOZAN see under **POLYSACCHARIDES, BACTERIAL**

PRODINE see **ALPHAPRODINE**

PRODUCT LABELING

[Index of noxious agents in cigarettes--is it an aid in health education?] Gostomzyk JG. **MMW** 1980 Nov 7; 122(45):1564–5 **(Ger)**

METHODS

A hazardous materials identification system for the coating and resins industry. Keller LW, et al. **Am Ind Hyg Assoc J** 1980 Dec;41(12):901–7
A uniform labeling system for blood services. Hubbell RC, et al. **Med Instrum** 1981 Jan–Feb;15(1):61–3

STANDARDS

Expiration dating not needed on commercially sterilized items. Phillips GB. **Hospitals** 1981 Apr 16;55(8):85–6
Pacemaker product identification card for travelers [letter] Canete DR. **PACE** 1980 Nov;3(6):741

PRODUCT LABELING, DRUG see **DRUG LABELING**

PRODUCT LABELING, FOOD see **FOOD LABELING**

PRODUCTIVITY see **EFFICIENCY**

PROENZYMES see **ENZYME PRECURSORS**

PROESTRUS see under **ESTRUS**

PROFADOL see under **PYRROLIDINES**

PROFESSIONAL COMPETENCE

Proficiency testing of academic and nonacademic preparation in five therapeutic activities. Brayley CR, et al. **AJOT** 1980 Jun;34(6):393–6
The relationship between professional productivity and educational level, Part 1. Review of the literature and methodology. Rogers JC, et al. **AJOT** 1980 Jun; 34(6):387–92
Profile of psychological service providers to hearing-impaired students. Spragins AB, et al. **Am Ann Deaf** 1981 Apr;126(2):94–105
On making a histologic diagnosis. Are explicit criteria always necessary to make a correct histologic diagnosis? Lieblich LM. **Am J Dermatopathol** 1980 Winter;2(4):349–56
Industry's role in continuing competency. Blake EM. **Am Pharm** 1980 Sep;20(9):52–3
Competency and commitment [editorial] Fox DR. **ASHA** 1980 May;22(5):383–4
Self-study of profession's service and training needs in the 1980's. Punch J. **ASHA** 1980 Oct;22(10):849–50
Reasons for eliminating the 'age 60' regulation for airline pilots. Mohler SR. **Aviat Space Environ Med** 1981 Aug; 52(8):445–54
The Wilfred Fish Lecture. Professionalism: a way of life. Finniston M. **Br Dent J** 1980 Sep 2;149(5):143–6
The sick doctor [letter] Jones TI. **Br Med J** 1980 Aug 30; 281(6240):623
The professionalization of nursing: United States and England. McCloskey JC. **Int Nurs Rev** 1981 Mar–Apr; 28(2):40–7
Recertification and relicensure: a physician's viewpoint. Derbyshire RC. **J Am Acad Dermatol** 1981 Jan;4(1):75–8
Recertification and relicensure: a consumer's viewpoint. Glasser MA. **J Am Acad Dermatol** 1981 Jan;4(1):73–5
Competency and humanism [editorial] Eger MJ. **J Am Optom Assoc** 1981 Jun;52(6):481–2
Professionalism and ethics in health care. Agich GJ. **J Med Philos** 1980 Sep;5(3):186–99
Comments on 'Toward a Reconstruction of Medical Morality: The Primacy of the Act of Profession and the Fact of Illness' by Dr. Edmund Pellegrino. Dickman RL. **J Med Philos** 1980 Sep;5(3):200–7
Generic and specific competence. Segal A. **Med Educ** 1980 Sep;14(5 Suppl):19–22
Toward an explanatory model of nursing performance. Schwirian PM. **Nurs Res** 1981 Jul–Aug;30(4):247–53
How high is up? Dibiaggio JA. **NY State Dent J** 1981 Mar; 47(3):132–4
Professionalism and progress: essentials in quality health care. Nash SL. **NY State Dent J** 1980 Nov;46(9):543–4
Professional competence: evaluation. Morton JH. **NY State J Med** 1981 Feb;81(2):251–4
The ideal physical therapist as perceived by the elderly patient. Grannis CJ. **Phys Ther** 1981 Apr;61(4):479–86
Bridging the reality gap. Mathews-Gentry J. **Phys Ther** 1980 Jul;60(7):912–3
Developing competence in problem solving. A behavioral model. May BJ, et al. **Phys Ther** 1980 Sep;60(9):1140–5
[Responsibility, status and role of the medical physicist in the Federal Republic of Germany (author's transl)] Kaul A, et al. **Strahlentherapie** 1981 Jan;157(1):66–9 (Eng. Abstr.) **(Ger)**
[Psychochysical strain in teachers under sensorimotor loading in the laboratory and during work performance and its relationship to professional fitness] Scheuch K, et al. **Z Gesamte Hyg** 1980;26(5):318–21 (Eng. Abstr.) **(Ger)**
[Use of an information model of an airplane instrument panel for determining the level of pilot readiness] Kniga VV. **Voen Med Zh** 1981 Feb;(2):47–8 **(Rus)**

STANDARDS

Blinded proficiency testing of FTA-ABS test. Goodhart GL, et al. **Arch Intern Med** 1981 Jul;141(8):1045–50
Evaluation of a master's program by graduates and their employers. Smith MC. **JNE** 1980 Nov;19(9):4–10
Social work identity, competence, and autonomy: the ecological perspective. Germain CB. **Soc Work Health Care** 1980 Fall;6(1):1–10
Appendix B: Position identification, chief financial officer, vice-president of finance, director of finance. **Top Health Care Financ** 1980 Fall;7(1):78–81

TRENDS

Defining 'professionalism' in a modern era. Kerr IL. **NY State Dent J** 1981 Mar;47(3):129–31

PROFESSIONAL CORPORATIONS see under **PROFESSIONAL PRACTICE**

PROFESSIONAL-FAMILY RELATIONS

Informing the family of sudden death. Robinson MA. **Am Fam Physician** 1981 Apr;23(4):115–8
The extended family encounter. Taylor RB. **Am Fam Physician** 1980 Sep;22(3):119–21
When the baby is sick and the mother's concerns are ignored. Spenner D. **Am J Nurs** 1980 Dec;80(12):2222–4
Empathetic intervention with the widow. Toth SB, et al. **Am J Nurs** 1980 Sep;80(9):1652–4
The family meets the hospital. Predicting the family's perception of the treatment program from its problem solving style. Costell R, et al. **Arch Gen Psychiatry** 1981 May;38(5):569–77
Dealing with dying patients and their relatives. Earnshaw-Smith E. **Br Med J [Clin Res]** 1981 May 30; 282(6278):1779
Huntington's chorea--a family problem. Yale R. **Br Med J [Clin Res]** 1981 May 2;282(6274):1460–1
The chronically Ill, handicapped, dying child and his family: need for total care and support. Gamstorp I. **Brain Dev** 1980;2(2):127–32
A teacher-parent communication training approach. Sawyer HW, et al. **Except Child** 1981 Jan;47(4):305–6
Communicating with the family of the child with a developmental disability. Willard DH, et al. **J Am Dent Assoc** 1981 May;102(5):647–50
My baby was premature. Iyer P. **JOGN Nurs** 1981 Jul–Aug; 10(4):304–7
Talking with relatives about a kinsman's death in hospital. Dreher GH, et al. **Med J Aust** 1980 Dec 13;2(12):653–5
Care of the hospitalized abused child and family. A framework for nursing intervention. Smith JB. **Nurs Clin North Am** 1981 Mar;16(1):127–37
How to understand and communicate with a person in sorrow. Towns JE. **Nurs Forum** 1980;19(3):300–9
Factors influencing pediatric interns' relationships with dying children and their parents. Sahler OJ, et al. **Pediatrics** 1981 Feb;67(2):207–16
[The triangle: parents - child - orthophonist. The process, or the eternal triangle] Lindenfeld M. **Rev Laryngol Otol Rhinol (Bord)** 1980 Jul–Aug; 101(7–8):391–9 (Eng. Abstr.) **(Fre)**
[From an individual peccadillo to serious social breakdown] Wulliemier F, et al. **Rev Med Suisse Romande** 1980 Jul; 100(7):627–37 **(Fre)**
[The physician and the handicapped child] Largo RH. **Ther Umsch** 1981 Apr;38(4):291–6 (Eng. Abstr.) **(Ger)**

PROFESSIONAL-PATIENT RELATIONS

The effect of matching primary representational system predicates on hypnotic relaxation. Yapko MD. **Am J Clin Hypn** 1981 Jan;23(3):169–75
Treating the patient, not the constipation. Aman RA. **Am J Nurs** 1980 Sep;80(9):1634–5
Therapeutic alliance scales: development and relationship to psychotherapy outcome. Marziali E, et al. **Am J Psychiatry** 1981 Mar;138(3):361–4
Sexual activity in therapy: legal and ethical issues. Serban G. **Am J Psychother** 1981 Jan;35(1):76–85
Patient education. Fad or reflection of changed standard of care? [editorial] Redman BK. **Arch Intern Med** 1981 Feb; 141(2):163
Mothers' views of obstetric care. Kirke PN. **Br J Obstet Gynaecol** 1980 Nov;87(11):1029–33
The therapist's self-disclosure in individual psychotherapy: research and psychoanalytic therory. Rosie JS. **Can J Psychiatry** 1980 Oct;25(6):469–72
Family secrets: I. Conceptual and ethical issues in the relational context. II. Ethical and practical considerations in therapeutic management. Karpel MA. **Fam Process** 1980 Sep;19(3):295–306
Talking about sex: suggestions for the health professional. Stoklosa JM, et al. **Front Radiat Ther Oncol** 1979;14:79–82
Problem-oriented records of withdrawn patients: using an interaction card. Kwentus JA, et al. **Hosp Community Psychiatry** 1980 Dec;31(12):855–6
Underreporting of assaults on staff in a state hospital. Lion JR, et al. **Hosp Community Psychiatry** 1981 Jul;32(7):497–8
Influence of reported helplessness on client-clinician relationships in an alcoholism program. O'Leary MR, et al. **Hosp Community Psychiatry** 1980 Nov;31(11):783–4
Using Angels and Devils: a board game developed for play in nursing homes. Corbin S, et al. **Int J Aging Hum Dev** 1980;11(3):243–50
Postanalytic encounters. Borenstein DB, et al. **Int J Psychoanal Psychother** 1980–81;8:151–64
Some notes on the postanalytic phase. Rangell L. **Int J Psychoanal Psychother** 1980–81;8:165–70
The psychodynamics of coronary heart rehabilitation: some basic understandings for allied health professionals. Wendland LV. **J Allied Health** 1981 Feb;10(1):41–8
Some current and recurrent problems of psychoanalytic technique. Blum HP. **J Am Psychoanal Assoc** 1981; 29(1):47–68
Freud's 'analytic pact': the standard therapeutic alliance. Kanzer M. **J Am Psychoanal Assoc** 1981;29(1):69–87
Notes on the noninterpretive elements in the psychoanalytic situation and process. Stone L. **J Am Psychoanal Assoc** 1981;29(1):89–118
Evaluating a supervision program for developing and maintaining therapeutic staff-resident interactions during institutional care routines. Ivancic MT, et al. **J Appl Behav Anal** 1981 Spring;14(1):95–107

Helping minority and low-income psychotherapy patients 'Tell It Like It Is'. Acosta FX, et al. **J Biocommun** 1980 Nov;7(3):13–9

Reputation, training, fee, and androgyny. heir comparative effects on impressions of therapist credibility. Bloom LJ, et al. **J Clin Psychol** 1981 Jan;37(1):90–5

Client perceptions in an initial interview as a function of therapist sex and expertness. Brischetto CM, et al. **J Clin Psychol** 1981 Jan;37(1):82–7

Interaction of therapeutic attitudes with severity of clinical diagnosis. Jacobs MA, et al. **J Clin Psychol** 1981 Jan; 37(1):75–82

The relationship between therapist-client interpersonal compatibility, sex of therapist, and therapeutic outcome. Malloy TE. **J Clin Psychol** 1981 Apr;37(2):316–22

The primacy-recency effect in counselor response. Tyson GA, et al. **J Clin Psychol** 1981 Jan;37(1):88–90

Continued therapist contact as a maintenance strategy for smoking reduction. Colletti G, et al. **J Consult Clin Psychol** 1980 Oct;48(5):665–7

The paralanguage of caregiving: baby talk to the institutionalized aged. Caporael LR. **J Pers Soc Psychol** 1981 May;40(5):876–84

Confrontation in individual psychotherapy. Bromley GE. **J Psychiatr Nurs** 1981 May;19(5):15–8

Absurdity as an intervention in the impotence impasse. Shoaps NA. **J Psychiatr Nurs** 1980 Dec;18(12):24–7

Group psychotherapy in prison. A proper role for the psychiatrist. Rappaport RG. **Med Trial Tech Q** 1981 Winter;28(3):249–71

Utilization of written contracts to increase client self-determination. Munro JD. **Ment Retard** 1981 Apr; 19(2):65–7

Relationship aspects of hypnotic susceptibility. Fourie DP. **Percept Mot Skills** 1980 Dec;51(3 Pt 2):1032–4

The ideal physical therapist as perceived by the elderly patient. Grannis CJ. **Phys Ther** 1981 Apr;61(4):479–86

A death in the life of a therapist and its impact on the therapy. Givelber F, et al. **Psychiatry** 1981 May;44(2):141–9

Understanding the cancer patient: the syndrome of caregiver's plight. Weisman AD. **Psychiatry** 1981 May; 44(2):161–8

Extra-analytic contacts: theoretical and clinical considerations. Strean HS. **Psychoanal Q** 1981;50(2):238–59

Effect of therapists self-disclosure on patients' impressions of empathy, competence, and trust in an analogue of a psychotherapeutic interaction. Curtis JM. **Psychol Rep** 1981 Feb;48(1):127–36

Attributions of interpersonal values and counseling effectiveness. Gordon LV, et al. **Psychol Rep** 1980 Dec; 47(3 Pt 1):847–52

Differentiating therapists from patients. Halliday G. **Psychol Rep** 1980 Oct;47(2):492–4

Patients at risk on a cardiac rehabilitation unit: implications for a liaison model. Daggett LR. **Psychosomatics** 1980 Dec; 21(12):1007, 1010–4

Increasing counselor-client communication. Makas E. **Rehabil Lit** 1980 Sep–Oct;41(9–10):235–8

How to deal with audiological 'cases' as human beings. Courtois J. **Scand Audiol [Suppl]** 1978;(Suppl 8):252–5

Significant others in patient care [editorial] Watts MS. **West J Med** 1980 Jul;133(1):63–4

[Considerations over psychiatric institutions and their functioning. Approach of a form of psychotherapy of and in the institution (author's transl)] de Hertaing IR. **Acta Psychiatr Belg** 1980 Jan–Feb;80(1):101–12 (Eng. Abstr.) **(Fre)**

[Parents' testimony: questions which call for answers] Bloch-Dronsart S. **Arch Belg Med Soc** 1980 May–Jun; 38(5–6):299–307 **(Fre)**

[The encounter: creditable or discredited?] Crombez JC. **Can J Psychiatry** 1980 Aug;25(5):381–5 (Eng. Abstr.) **(Fre)**

[Non verbal approach in transcultural psychiatry (author's transl)] Boulard C. **Med Trop (Mars)** 1981 May–Jun; 41(3):279–81 (Eng. Abstr.) **(Fre)**

[The birth of the psychotherapeutic dialogue. From the autistic prologue and monologue to the interpersonal dialogue and pluralogue] Ekstein R, et al. **Psyche (Stuttg)** 1981 Apr;35(4):319–37 (Eng. Abstr.) **(Ger)**

[Changes in the relation between therapist and group in the phases of intended dynamic group psychotherapy] Höck K, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1980 Nov; 32(11):677–85 (Eng. Abstr.) **(Ger)**

[The 'empathic understanding' in client-centered therapy (author's transl)] Finke J. **Psychother Psychosom Med Psychol** 1981 Mar;31(2):33–6 (Eng. Abstr.) **(Ger)**

[Proximity and distance in psychotherapy] Pintér E. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 128(2):263–9 (Eng. Abstr.) **(Ger)**

[The influence of the therapist variable 'concreteness' on self exploration and psychophysiological activation in clients] Sorgatz H, et al. **Z Klin Psychol Psychother** 1980; 28(4):328–36 (Eng. Abstr.) **(Ger)**

PROFESSIONAL PRACTICE

Independent nurse project in a VNS. Chalmers M, et al. **Am J Nurs** 1980 Dec;80(12):2176–80

Physicians practice profiles: a comparison of sampling methods. Curry L. **Annu Conf Res Med Educ** 1980; (19):123–8

The impact of residency on physician practice patterns: an exploratory analysis of young internists. Weil PA, et al. **Annu Conf Res Med Educ** 1980;(19):46–51

Avoid legal problems by knowing your scope of practice. Harvey CK. **AORN J** 1980 Dec;32(6):948, 950

Physiatrists: career development and professional interests. Kumar VN, et al. **Arch Phys Med Rehabil** 1981 Jan; 62(1):28–31

Incorporation—a solution to the veterinarian's income tax miseries? Rowan-Legg PK. **Can Vet J** 1980 Jul;21(7):201–2

Incorporation—a solution to the veterinarian's income tax miseries? Rowan-Legg PK. **Can Vet J** 1980 Aug; 21(8):225–6

Incorporation—a solution to the veterinarian's income tax miseries? Rowan-Legg PK. **Can Vet J** 1980 Jun; 21(6):179–80

The IPA concept. The individual practice association: its implications for dentistry? **J Am Dent Assoc** 1981 Mar; 102(3):312–7

Relationship of size of veterinary service areas to practice type and community size. Wise JK. **J Am Vet Med Assoc** 1981 Mar 15;178(6):594–5

Women dental students exhibit different career and income expectations. Solomon E, et al. **J Dent Educ** 1980 Oct; 44(10):619–20

Practice preferences of residency graduates of the Medical University of South Carolina. Wilkins RT, et al. **J Fam Pract** 1980 Jul;11(1):141–2

Functional redundancy and the process of professionalization: the case of registered nurses in the United States. Levi M. **J Health Polit Policy Law** 1980 Summer;5(2):333–53

Work patterns, practice characteristics, and incomes of male and female physicians. Bobula JD. **J Med Educ** 1980 Oct; 55(10):826–33

Medical student use of objectives in basic science and clinical instruction. Mast TA, et al. **J Med Educ** 1980 Sep; 55(9):765–72

Holistic veterinary practice. Edelstein M. **Mod Vet Pract** 1980 Dec;61(12):976–80

On research and the professionalization of nursing. Fawcett J. **Nurs Forum** 1980;19(3):310–8

The relationship of dental practice characteristics to blood mercury levels. Brady JA, et al. **NY State Dent J** 1980 Aug–Sep;46(7):420, 422–4

Computer systems in veterinary medicine. 2: The computer in the practice organisation. Sard DM. **Vet Rec** 1981 Apr 18;108(16):346–8

Medical practice in Algeria. Detmer DE, et al. **Wis Med J** 1980 Dec;79(12):18–20

[Ethics and the physician's practice] Imfeld J. **Bull Schweiz Akad Med Wiss** 1980 Nov;36(4–6):361–6 (Eng. Abstr.) **(Ger)**

[Study of the professional activities of a phthisiologist] Guselnov GK, et al. **Probl Tuberk** 1980 Dec;(12):17–20 (Eng. Abstr.) **(Rus)**

[Manipulation and the medical profession (I)] Ferrer Serrate J. **Rev Med Univ Navarra** 1979 Mar;23(1):71–3 **(Spa)**

ECONOMICS

The growing doctor glut. Greenberg DS. **Del Med J** 1981 Feb;53(2):107–8

The partnership of professional corporations: medical practice management. Beck LC, et al. **J Indiana State Med Assoc** 1981 Jan;74(1):14–5

Compensating faculty for their clinical practice. Smith GR. **Nurs Outlook** 1980 Nov;28(11):673–6

Taking stock in your practice: should you incorporate? Fitzgerald TA. **NY State Dent J** 1980 Oct;46(8):474–80

Transferring ownership of medical practice; how to avoid unfavorable tax results. Goldberg G. **NY State J Med** 1981 Jan;81(1):99–102

New tax law puts kink in retirement plan arrangements. Beck LC. **Pa Med** 1981 Apr;84(4):43–4

LEGISLATION & JURISPRUDENCE

A defining of terms: collaboration vs. supervision. Kucera WR. **AANA J** 1980 Dec;48(6):547–8

Spurned by Ma Bell, physician collects $30,000. Chapman S. **Leg Aspects Med Pract** 1980 Apr;8(4):17

Anti-trust violations and practicing physicians. Jones KB. **Pa Med** 1981 Jul;84(7):17–8

Keeping a professional corporation intact. Susman J, et al. **Pa Med** 1981 May;84(5):46–7

ORGANIZATION & ADMINISTRATION

Putting joint practice into practice. Steel JE. **Am J Nurs** 1981 May;81(5):964–7

How lengths of office visits vary when primary care practices employ physician assistants. Ekwo EE, et al. **Inquiry** 1980 Summer;17(2):145–54

Ophthalmic marketplace—urban review [editorial] Scholles JR. **J Am Optom Assoc** 1980 Dec;51(12):1063–70

STANDARDS

Professionalization of an allied health occupation: the physician's assistant. Tworek RK. **J Allied Health** 1981 May;10(2):107–13

Plan ahead. Powell MX. **J Am Optom Assoc** 1981 Feb; 52(2):129–30

Use of professional corporations to create tax sheltered retirement benefits. Simon M. **J Am Optom Assoc** 1981 Feb;52(2):115–8

[Improvement of the information support for practicing physicians in the republic] Uvarenko AR, et al. **Vrach Delo** 1981 Feb;(2):122–4 **(Rus)**

TRENDS

Occupational orientations in nursing in Britain. Rhodes B. **Int J Nurs Stud** 1980;17(4):235–45

Physician extenders, the law, and the future. Nichols AW. **J Fam Pract** 1980 Jul;11(1):101–8

Nursing health care and professionalism in Cuba. Garfield R. **Soc Sci Med [a]** 1981 Jan;15A(1):63–72

[Trends in the clinical practice laboratory] Kellner H. **MMW** 1980 Nov 14;122(46):1623 **(Ger)**

[Evolution of the practice of medicine] Giles-Coarasa A. **Gac Med Mex** 1980 Jul;116(7):339–42 **(Spa)**

PROFESSIONAL STAFF COMMITTEES

Pharmacist involvement in institutional review of clinical trials. Raehl CL, et al. **Am J Hosp Pharm** 1981 Mar; 38(3):334–9

The educational value of a model medical care evaluation program. Sandlow LJ, et al. **Annu Conf Res Med Educ** 1980;(19):111–6

Any complaints? III: Medical service committee procedure. Oldroyd J. **Br Med J [Clin Res]** 1981 Jan 17; 282(6259):194–5

Statement on the guidelines on the establishment and responsibilities of a committee on nutrition and diet of a hospital medical board. Recommendations of the Subcommittee on Nutrition of the Committee on Public Health of the New York Academy of Medicine. **Bull NY Acad Med** 1981 Jun;57(5):400–2

Perceptions of the coordinating center: as viewed by an advisory board. Berge KC. **Controlled Clin Trials** 1980 Sep; 1(2):143–6

Multi-disciplinary approach to ambulatory care reporting. Steponaitis J. **Dimens Health Serv** 1980 Sep;57(9):24, 26

Ethical committees in a pediatric hospital. Stalder G. **Eur J Pediatr** 1981 May;136(2):119–22

One philosopher's experience on an ethics committee. Freedman B. **Harvey Lect** 1981 Apr;11(2):20–2

The Hospital Ethics Committee. Campbell JD, et al. **Med J Aust** 1980 Feb 21;1(4):168–9

Medical staff organization in hospitals. Wilson L. **Med J Aust** 1981 Mar 7;1(5):209–11

Research program development in a tertiary care setting. Fuhs MF, et al. **Nurs Res** 1981 Jan–Feb;30(1):24–7

Committee evolution in a medical center. Spross JA, et al. **Nurs Res** 1981 Jan–Feb;30(1):30–1

Medical discipline. Medical practitioners Disciplinary Committee. Analysis of complaints investigated in 1979. Richwhite DL. **NZ Med J** 1980 Sep 24;92(668):248–50

The quality of relationships. Skillicorn SA. **QRB** 1981 Apr; 7(4):12–9

[Sense and nonsense of ethics committees] Samson E. **Dtsch Med Wochenschr** 1981 May 22;106(21):667–70 **(Ger)**

[Ethics research committees in 4 Scandinavian countries before the end of the year?] Riis P, et al. **Nord Med** 1980 Nov;95(11):286–7, 290 **(Swe)**

LEGISLATION & JURISPRUDENCE

Abortion: 3. Therapeutic abortion committees and third parties [editorial] Dickens BM. **Can Med Assoc J** 1981 Feb 15;124(4):362–3, 384

ORGANIZATION & ADMINISTRATION

Medical advisory machinery in the reorganised NHS. Report by Joint Working Group on district management arrangements. **Br Med J [Clin Res]** 1981 Jan 17; 282(6259):239–42

Organization of multicenter clinical trials. Meinert CL. **Controlled Clin Trials** 1981 May;1(4):305–12

Advisory panel improves communication, reduces risks. Adelman DN, et al. **Hospitals** 1981 Jan 16;55(2):59–60

Nurse task force guides flexible scheduling program. Kirk R. **Hospitals** 1981 Aug 16;55(16):60, 68

Nursing executive committee sets standards for clinical practice. Reeves DM, et al. **Hospitals** 1981 Jul 1; 55(13):71–2, 80

Successful QA program incorporates new JCAH standard. Shaffer KL, et al. **Hospitals** 1981 Aug 16;55(16):117–20

Committees can help oversee hospital's QA activities. Troyer G, et al. **Hospitals** 1981 Jun 1;55(11):87–91

Cut costs by revising policies and procedures. Valenti WM, et al. **Hospitals** 1980 Dec 1;54(23):84–6

High risk financial committee reduces accounts receivable. White AR Jr, et al. **Hospitals** 1980 Dec 1;54(23):32, 35

A statewide characterization of hospital infection control practices and practitioners. Booth AL, et al. **IC Infect Control** 1980 Jul–Aug;1(4):227–32

Representing the patient: a Canadian hospital's approach. Turner GP, et al. **QRB** 1980 Mar;6(3):2–5

STANDARDS

Approaches to improving the quality of health care: organizational change. Jessee WF. **QRB** 1981 Jul;7(7):13–8

PROFESSIONAL STANDARDS REVIEW ORGANIZATIONS

The death of a symbol. Canzonetti AJ. **Conn Med** 1981 May; 45(5):326

Point of view: now PSROs are intruding into hospital management. Woodrum DL. **Health Care Manage Rev** 1980 Summer;5(3):87–90

PSRO: our responsibility and hurdles. Perry WJ. **J Med Assoc State Ala** 1980 Sep;50(3):4

Regional results of acute appendicitis care. Detmer DE, et al. **JAMA** 1981 Sep 18;246(12):1318–20

Again, the cost of medical care and how the physician can contribute to its control (the goals of the PSRO). Morrison S. **Md State Med J** 1980 Nov;29(11):40–2

Optimal investigation policies under selected PSRO procedures. Dittman DA, et al. **Med Care** 1980 Oct; 18(10):1032–47

Limits of PSROs' success determined by physicians' leadership. Fall DJ. **Mich Med** 1981 Mar;80(8):102

New MSMS committee the link between area PSROs and state medical society. Groff BL. **Mich Med** 1980 Dec; 79(35):622

Area VII PSRO has unique tests to assure high quality of care. Medlar R. **Mich Med** 1980 Nov;79(32):582

Medical malpractice panel. How has it worked? Flynn JT. **NY State J Med** 1981 Jun;81(7):1112–5

PSRO strikes back; let's total up the score [letter] Markowitz M. **NY State J Med** 1981 Feb;81(2):167–8

Quantification of standards for length-of-stay based upon optimal patient care and standard medical practice. Black FO, et al. **Otolaryngol Head Neck Surg** 1981 Jan–Feb; 89(1):27–33

Quality assurance as a management function: introduction to this issue and a report on the quality assurance management institute. **QRB** 1981 Jul;7(7):2–3

Department review: a PSRO approach from the hospital's perspective. Raymond D. **QRB** 1980 Aug;6(8):11–5

Report on the ibc chairperson's meeting. Milewski E. **Recomb DNA Tech Bull** 1981 Apr;4(1):26–7

The IBC as a means of implementing institutional oversight. Talbot B, et al. **Recomb DNA Tech Bull** 1981 Apr; 4(1):19–20

[Assessment of quality of medical activities (author's transl)] Selbmann HK, et al. **MMW** 1981 Feb 6;123(6):216–20 (Eng. Abstr.) **(Ger)**

[Health work and quality control of PSRO system--a hot potato in the USA] Riddervold HO. **Nord Med** 1981 Jan; 96(1):3–4 **(Nor)**

ECONOMICS

PSRO reimbursement tightened. Bloom MZ, et al. **Hospitals** 1980 Nov 1;54(21):31–2

Preadmission certification and denied hospital stays: two surveys of PSROs. Segal EA, et al. **Inquiry** 1981 Summer; 18(2):120–4

LEGISLATION & JURISPRUDENCE

Changes made in Medicare, Medicaid, PSRO programs. **Forum (Wash)** 1981 Apr;5(1):11–5

Professional Standards Review Organizations and confidentiality: the question of public access to medical peer review data through the Freedom of Information Act. Hastings DA. **J Health Polit Policy Law** 1981 Spring; 6(1):136–58

Recent developments in the health care area. Harper TD, et al. **J Med Assoc Ga** 1980 Sep;69(9):785–7

Sanctions within the PSRO program. Sandrick KM. **QRB** 1980 Aug;6(8):5–6

MANPOWER

Non-physicians join team in reviewing health care. Altieri AJ. **Forum** 1980 Oct;4(4):25–9

ORGANIZATION & ADMINISTRATION

Quality of patient care review. PSRO II. **Conn Med** 1981 Feb;45(2):113–4

The Professional Standards Review Organization program. Nelson AR. **Conn Med** 1981 Jan;45(1):39–41

Making PSRO work for your medical staff. Savage JM. **Conn Med** 1981 Feb;45(2):115–7

The PSRO in perspective. Smits HL. **N Engl J Med** 1981 Jul 30;305(5):253–9

From hospital to nursing home: evaluation plan helps bridge the gap between acute and long term care concerns. Wright H, et al. **QRB** 1980 Aug;6(8):7–10

'PSRO is not a government agency. It is the medical profession'. Morton RA. **Va Med** 1981 Jul;108(7):493–5

To do or not to do: that is the question. Thompson WT Jr. **Va Med** 1981 Jun;108(6):393–6

STANDARDS

Criteria and the PSRO program. Zelinger G, et al. **QRB** 1980 Aug;6(8):16–9

TRENDS

The future of quality assurance and PSROs. Gertman PM. **Med Care** 1981 Mar;19(3):253–4

MDs should continue to support PSROs. Medlar RE. **Mich Med** 1981 Apr;80(11):168

PROFIBRINOLYSIN see **PLASMINOGEN**

PROFLAVINE see under **ACRIDINES**

PROGENITOR CELLS see **HEMATOPOIETIC STEM CELLS**

PROGERIA

[Early geriatric. Biological aging starts at birth. First round table discussion at Klausenbach on the subject: 'Early geriatrics. Diagnostic and therapeutic aspects] Erfurth. **ZFA (Stuttgart)** 1980 Apr 30;56(12):869–70 **(Ger)**

COMPLICATIONS

Cardiovascular abnormalities in progeria. Case report and review of the literature. Baker PB, et al. **Arch Pathol Lab Med** 1981 Jul;105(7):384–6

DIAGNOSIS

A new neonatal progeroid syndrome [letter] Snigula F, et al. **Eur J Pediatr** 1981 Jul;136(3):325

FAMILIAL & GENETIC

Familial acrogeria (Gottron). de Groot WP, et al. **Br J Dermatol** 1980 Aug;103(2):213–23

The Wiedemann-Rautenstrauch or neonatal progeroid syndrome. Report of a patient with consanguineous parents. Devos EA, et al. **Eur J Pediatr** 1981 Jul;136(3):245–8

[Cytogenetic investigations of two cases of incomplete progeria (author's transl)] Bosadjiewa E, et al. **Dermatol Monatsschr** 1980 Oct;166(10):662–6 (Eng. Abstr.) **(Ger)**

METABOLISM

Variation of DNA repair capacity in progenia cells unrelated to growth conditions. Brown WT, et al. **Biochem Biophys Res Commun** 1980 Nov 17;97(1):347–53

Fidelity of protein synthesis does not decline during aging of cultured human fibroblasts. Wojtyk RI, et al. **J Cell Physiol** 1980 May;103(2):299–303

PATHOLOGY

[Morphologic contribution to a progeria syndrome (Hutchinson-Gilford) (author's transl)] Riedel H. **Zentralbl Allg Pathol** 1980;124(5):410–5 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

[Premature aging from the biological dynamic viewpoint] Böning J. **Z Gerontol** 1980 Mar–Apr;13(2):195–203 (Eng. Abstr.) **(Ger)**

PROGESTATIONAL HORMONE ANALOGS see **PROGESTATIONAL HORMONES, SYNTHETIC**

PROGESTATIONAL HORMONES

A comparison of the relationships between progestin receptors and oestrogen receptors in neural and non-neural target tissues of the rat during the oestrous cycle. Thrower S, et al. **Biochem J** 1980 Sep 15;190(3):691–5

Hormones modulate the concentration of cytoplasmic progestin receptors in the brain of male ring doves (Streptopelia risoria). Balthazart J, et al. **J Endocrinol** 1980 Aug;86(2):251–61

ADMINISTRATION & DOSAGE

Steroid releasing vaginal rings. Nuttal ID, et al. **Acta Eur Fertil** 1980 Sep;11(3):225–30

ADVERSE EFFECTS

Prenatal sex hormones and the developing brain: effects on psychosexual differentiation and cognitive function. Ehrhardt AA, et al. **Annu Rev Med** 1979;30:417–30 (55 ref.)

Progestogens and cardiovascular reactions [letter] Hawkins DF, et al. **Br Med J** 1980 Jun 28;280(6231):1620

Ectopic pregnancies associated with low dose progestagen-releasing IUDs. Díaz S, et al. **Contraception** 1980 Sep;22(3):259–69

Threatened abortion, hormone therapy, and malformed embryos: a comment [letter] Sheehan DM, et al. **Teratology** 1980 Dec;22(3):351–2

BIOSYNTHESIS

Ovarian progestins, androgens and estrogen throughout the 4-day estrous cycle in the rat. Bélanger A, et al. **Biol Reprod** 1981 Apr;24(3):591–6

Plasma lipoproteins stimulate progestin production by rat ovarian granulosa cells cultured in serum free medium. Schreiber JR, et al. **J Steroid Biochem** 1980 Sep; 13(9):1009–14

BLOOD

Steroids in ovarian and peripheral venous blood in polycystic ovarian disease. Laatikainen TJ, et al. **Clin Endocrinol (Oxf)** 1980 Aug;13(2):125–34

Changes in plasma progestin, prolactin, LH and FSH at luteal activation with phenobarbital anesthesia in the rat. Kaneko S. **Endocrinol Jpn** 1980 Aug;27(4):431–8

Peripheral plasma levels of 12 steroids during pregnancy in the baboon (Papio hamadryas). Goncharov N, et al. **Eur J Obstet Gynaecol Reprod Biol** 1980 Dec;11(3):201–8

Peripheral concentrations of gonadotropins and progestins during pregnancy in rabbits after active immunization against testosterone. Younglai EV, et al. **Fertil Steril** 1981 Aug;36(2):232–7

Plasma steroid concentrations in maternal and umbilical circulation after spontaneous onset of labor. Mathur RS, et al. **J Clin Endocrinol Metab** 1980 Dec;51(6):1235–8

Correlation of rate of uterine blood flow and plasma steroid concentrations at parturition in sheep. Caton D, et al. **J Reprod Fertil** 1980 Mar;58(2):329–37

DEFICIENCY

[The role of hyperprolactinaemia in sterility where the cycle is anovulatory and where there is deficit of progestogen. (Investigations of the pituitary reserves of FSH, LH and prolactin) (author's transl)] Botella-Llusia J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(5):501–4 (Eng. Abstr.) **(Fre)**

METABOLISM

Changes in noradrenergic transmission alter the concentration of cytoplasmic progestin receptors in hypothalamus. Nock B, et al. **Brain Res** 1981 Mar 2; 207(2):371–96

Effect of oestrogen treatment on testicular LH/HCG receptors and endogenous steroids in prostatic cancer patients. Huhtaniemi I, et al. **Clin Endocrinol (Oxf)** 1980 Dec;13(6):561–8

Nuclear progestin receptors in human uterus. Kasid A, et al. **Endocrinology** 1981 Aug;109(2):553–60

Ovarian regulation of hypothalamic and pituitary progestin-metabolizing enzyme activities. Krause JE, et al. **Endocrinology** 1981 Jan;108(1):1–7

Androgens and progestins in the human ovarian follicle: differences in the evolution of preovulatory, healthy nonovulatory, and atretic follicles. Brailly S, et al. **J Clin Endocrinol Metab** 1981 Jul;53(1):128–34

Changes in enzyme activities related to steroidogenesis in human ovaries during the menstrual cycle. Sano Y, et al. **J Clin Endocrinol Metab** 1981 May;52(5):994–1001

Age-related changes in endogenous steroids of human fetal testis during early and midpregnancy. Tapanainen J, et al. **J Clin Endocrinol Metab** 1981 Jan;52(1):98–102

A sex difference in the progestin receptor system of guinea pig brain. Blaustein JD, et al. **Neuroendocrinology** 1980 Dec;31(6):403–9

A study of prostaglandin F2 alpha as the luteolysin in swine: V. Comparison of prostaglandin F, progestins, estrone and estradiol in uterine flushings from pregnant and nonpregnant gilts. Zavy MT, et al. **Prostaglandins** 1980 Nov;20(5):837–51

Progestin metabolism in the rhesus monkey corpus luteum. Sholl SA, et al. **Steroids** 1980 Aug;36(2):209–18

[Hormonal interrelations in the maternal-placental-fetal system in late pregnancy toxemias] Timoshenko LV, et al. **Akush Ginekol (Mosk)** 1980 Aug;(8):14–7 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Suppression of human chorionic gonadotropin by progestational steroids [letter] Nakano R. **Am J Obstet Gynecol** 1981 Sep 1;141(1):110

Suppression of human chorionic gonadotropin by progestational steroids. Wilson EA, et al. **Am J Obstet Gynecol** 1980 Nov 15;138(6):708–13

In vitro binding to an in vivo effect on the cytosol and nuclear progesterone receptors of various progestins, and their relationship to synthesis of uteroglobin in rabbit uterus. Isomaa V. **Biochim Biophys Acta** 1981 Jun 11; 675(1):9–16

Endometrial cytology during menstrual cycle, menopause and progestinic treatment. Baraggino E, et al. **Clin Exp Obstet Gynecol** 1980;7(1):47–52

Clinical effects of ethynyl estrogens, used with and without progestational agents, on bleeding patterns, weight, and blood pressure. Goldzieher JW, et al. **Contraception** 1980 Oct;22(4):369–81

Modulation of LH-RH stimulated gonadotropin release by progestagens and 17 beta-estradiol in primary pituitary cell culture. Bieglmayer C, et al. **Endocrinol Exp (Bratisl)** 1980 Sep;14(3):171–82

Effect of progestogen on glycogen metabolism in the endometrium of infertile patients during the menstrual cycle. Mimori H, et al. **Fertil Steril** 1981 Mar;35(3):289–95

The effects of testosterone and progestins on the rate of beta-glucuronidase synthesis in mouse kidney as studied with an immunoprecipitation assay. Gupta C, et al. **Int J Androl** 1981 Jun;4(3):342–54

Bone mass in postmenopausal women after withdrawal of oestrogen/gestagen replacement therapy. Christiansen C, et al. **Lancet** 1981 Feb 28;1(8218):459–61

At III content and antithrombin in activity in oestrogen–progestogen and progestogen–only treated women. Conard J, et al. **Thromb Res** 1980 Jun 1; 18(5):675–81

[The metabolic effects of contraception with oestrogen–progestogen products (author's transl)] Heim J. **J Gynecol Obstet Biol Reprod (Paris)** 1979;8(8):745–9 (35 ref.) (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Food intake, body weight, and adiposity in female rats: actions and interactions of progestins and antiestrogens. Gray JM, et al. **Am J Physiol** 1981 May;240(5):E474–81

THERAPEUTIC USE

Steroid receptors in normal, hyperplastic and malignant human endometria. Vihko R, et al. **Ann Clin Res** 1980 Oct; 12(5):208–15 (58 ref.)

Progestogens before and after the menopause [letter] Kay CR. **Br Med J** 1980 Sep 20;281(6243):811–2

Tension and depression in women––the place of hormone therapy. Taylor RW. **Practitioner** 1980 Sep; 224(1347):908–11

[Use of gestagens to control in vitro growth of endometrial carcinoma (author's transl)] Schindler C. **Zentralbl Gynaekol** 1981;103(5):277–82 (Eng. Abstr.) **(Ger)**

[Hormone therapy in advanced forms of carcinoma of the endometrium: analysis and prospects] La Vecchia C, et al. **Ann Ostet Ginecol Med Perinat** 1980 May–Jun;101(3):181–6 (42 ref.) (Eng. Abstr.) **(Ita)**

PROGESTATIONAL HORMONES, SYNTHETIC

ADMINISTRATION & DOSAGE

[Contraception by progestational agents administered in sequential form (author's transl)] Barrat J, et al. **Nouv Presse Med** 1980 May 10;9(21):1491–4 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

British pill studies stress importance of relation between progestogen content and vascular disease. **Fam Plann Perspect** 1980 Sep–Oct;12(5):262–4

Development of hepatoma in rats following oral administration of synthetic estrogen and progestogen. Higashi S, et al. **Gan** 1980 Aug;71(4):576–7

Cytological studies in women using different types of hormonal contraceptives. Engineer AD, et al. **J Indian Med Assoc** 1980 Mar 1;74(5):88–91

Oral contraception and thromboembolism: the role of progestogens [editorial] **NZ Med J** 1980 Aug 13;92(665):98, 101

Oestrus control and the incidence of mammary nodules in bitches, a clinical study with two progestogens. van Os JL, et al. **Tijdschr Diergeneeskd** 1981 Jan 15;106(2):suppl 3:46–56

[Transitory ischemic attacks, migraine and progestogen drugs. Etiopathogenetic correlations] Moretti G, et al. **Minerva Med** 1980 Aug 25;71(30):2125–9 (Eng. Abstr.) **(Ita)**

ANALYSIS

[Model studies on incubated hen's eggs for the detection of synthetic gestagens within the framework of residue determination] Scheibner G, et al. **Arch Exp Veterinaermed** 1981;35(1):57–65 (Eng. Abstr.) **(Ger)**

METABOLISM

Binding of a contraceptive progestogen ORG 2969 and its metabolites to receptor proteins and human sex hormone binding globulin. Bergink EW, et al. **J Steroid Biochem** 1981 Feb;14(2):175–83

PHARMACODYNAMICS

On the mechanism of action of progestins. Pérez–Palacios G, et al. **Acta Endocrinol (Copenh)** 1981;97(3):320–8

Lysozyme (muramidase) and hemolytic complement (CH50U) in sera of beagle dogs and minipigs after longterm application of different preparations of estrogens and gestagens. Stelzner A, et al. **Arch Toxicol [Suppl]** 1980; (4):159–62

The effects of oestrogens and progesterone on oestrogen receptors in female rat liver. Marr W, et al. **Biochem J** 1980 Sep 15;190(3):563–70

Effect of STS 557 on semen composition, fertility and sexual behaviour of male rabbits. Freund H, et al. **Contraception** 1980 Jun;21(6):641–50

STS 557 as an interceptive in rodents and baboons. Oettel M, et al. **Contraception** 1980 May;21(5):537–49

Estrogen-induced progesterone receptor in the Syrian hamster kidney. II. Modulation by synthetic progestins. Li JJ, et al. **Endocrinology** 1981 May;108(5):1751–6

Attenuating the defeminization of the neonatal rat brain: mechanisms of action of cyproterone acetate, 1,4,6–androstatriene–3,17,–dione and a synthetic progestin, R5020. McEwen BS, et al. **Horm Behav** 1979 Dec; 13(3):269–81

Effect of 17–hydroxy progesterone caproate, flutamide & cyproterone acetate on genital organs & fertility of male rats––a comparative study. Das RP, et al. **Indian J Exp Biol** 1980 Nov;18(11):1225–9

Objectionable urine spraying and urine marking in cats: evaluation of progestin treatment in gonadectomized males and females. Hart BL. **J Am Vet Med Assoc** 1980 Sep 15; 177(6):529–33

Progestins inhibit FSH–stimulated steroidogenesis in cultured rat granulosa cells. Schreiber JR, et al. **Mol Cell Endocrinol** 1980 Aug;19(2):165–73

Mutagenicity of some contraceptive drugs in Drosophila melanogaster. Parádi E. **Mutat Res** 1981 Feb;88(2):175–8

Effects of different progestogens on lipoproteins during postmenopausal replacement therapy. Hirvonen E, et al. **N Engl J Med** 1981 Mar 5;304(10):560–3

Prenatal exposure to synthetic progestins increases potential for aggression in humans. Reinisch JM. **Science** 1981 Mar 13;211(4487):1171–3

[Comparative study of the progestomimetic and contraceptive activity of quingestanol acetate with 5 other progestational molecules] Van den Driessche J, et al. **C R Soc Biol (Paris)** 1980;174(3):347–51 (Eng. Abstr.) **(Fre)**

[Comparative studies into effects of synthetic oestrogens and gestagens on certain serum protein fractions under standardised conditions (author's transl)] Klinger G, et al. **Zentralbl Gynaekol** 1980;102(24):1410–20 (Eng. Abstr.) **(Ger)**

[Antithrombin activity during estroprogestin therapy] Ferrari S, et al. **Minerva Ginecol** 1981 May;33(5):429–32 (Eng. Abstr.) **(Ita)**

[Effect of combined synthetic progestins on blood coagulation properties and alpha 2–glycoprotein content] Lutsik LA. **Sov Med** 1981;(2):52–5 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Progestin therapy in advanced breast cancer: megestrol acetate––an evaluation of 160 treated cases. Alexieva–Figusch J, et al. **Cancer** 1980 Dec 1; 46(11):2369–72

Endometrial histology and biochemistry in climacteric women during oestrogen and oestrogen/progestogen therapy. Whitehead MI, et al. **J R Soc Med** 1979 May; 72(5):322–7

[Effect of selected progestational hormones used for the protection of high–risk pregnancy on the clinical course, morphological changes and proliferative activity of the trophoblast] Papierowski Z. **Ginekol Pol** 1981; 52(3):298–303 **(Pol)**

[Restoration of the menstrual and generative functions in genital endometriosis after treatment with various types of synthetic progestins] Nagovitsina AI, et al. **Akush Ginekol (Mosk)** 1980 Oct;(10):47–9 (Eng. Abstr.) **(Rus)**

[Endocervical epithelial changes in internal uterine endometriosis treated with bisekurin] Sabsai MI, et al. **Akush Ginekol (Mosk)** 1980 Oct;(10):43–4 (Eng. Abstr.) **(Rus)**

[Effect of synthetic progestins on carbohydrate metabolism and the content of anti–insulin hormones] Serebrennikova KG, et al. **Akush Ginekol (Mosk)** 1980 Oct;(10):41–2 (Eng. Abstr.) **(Rus)**

[Evaluation of therapeutic results of gestagen preparations in imminent abortion and preterm deliveries (author's transl)] Vierik J, et al. **Bratisl Lek Listy** 1980 Sep; 74(3):347–53 (Eng. Abstr.) **(Slo)**

PROGESTERONE

The progesterone intrauterine device its uses and efficiency. Cittadini E, et al. **Acta Eur Fertil** 1980 Sep;11(3):199–220 **(Eng, Ita)**

Progesterone–induced smooth muscle–like cells in the subperitoneal nodules produced by estrogen. Experimental approach to leiomyomatosis peritonealis disseminata. Fujii S, et al. **Am J Obstet Gynecol** 1981 Jan 15;139(2):164–72

Interaction of S–carboxymethylated uteroglobin with progesterone. Temussi PA, et al. **Biochemistry** 1980 Jul 8; 19(14):3287–93

WHO study of the progesterone IUD [letter] Sivin I. **Contraception** 1980 Jul;22(1):97–101

Progestin permeation through polymer membrane V: Progesterone release from monolithic hydrogel devices. Song SZ, et al. **J Pharm Sci** 1981 Feb;70(2):216–9

The interaction of progesterone with mucus glycoproteins. Martin GP, et al. **Pharm Acta Helv** 1981;56(1):5–8

[Progestasert and copper–T. A prospective, randomized clinical study of 2 coil types] Larsen S, et al. **Ugeskr Laeger** 1980 Dec 29;143(1):13–4 (Eng. Abstr.) **(Dan)**

[Experimental approach to leiomyomatosis peritonealis disseminata––progesterone–induced smooth muscle–like cells in the subperitoneal nodules produced by estrogen (author's transl)] Fujii S. **Acta Obstet Gynaecol Jpn** 1981 May;33(5):671–80 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Oral progesterone therapy. Oxygen in a pill [editorial] Goldman AL, et al. **Arch Intern Med** 1981 Apr;141(5):574

Differential patterns of gonadotropin responses to ovarian steroids and to LH–releasing hormone between constant–estrous and pseudopregnant states in aging rats. Lu JK, et al. **Biol Reprod** 1980 Sep;23(2):345–51

Sequential inhibitory effect of progesterone on lordotic responsiveness in rats: time course, estrogenic nullification, and actinomycin–D insensitivity. Shivers BD, et al. **Biol Reprod** 1980 Dec;23(5):963–73

Progesterone, fluid, and electrolytes in premenstrual syndrome [letter] Dalton K. **Br Med J** 1980 Oct 11; 281(6246):1008–9

Effects of pregnancy and sex steroid administration on skeletal muscle metabolism in the rat. Rushakoff RJ, et al. **Diabetes** 1981 Jul;30(7):545–50

Bioavailability of progesterone enhanced by intranasal spraying. David GF, et al. **Experientia** 1981 May 15; 37(5):533–4

Intravaginal administration of progesterone: enhanced absorption after estrogen treatment. Villanueva B, et al. **Fertil Steril** 1981 Apr;35(4):433–7

Even oral progesterone may be effective [news] González ER. **JAMA** 1981 Apr 10;245(14):1394

Minimal dose combined hormonal replacement therapy for menopausal women. Wren BG. **Med J Aust** 1981 Apr 4; 1(7):353–6

The treatment of anoestrus and suboestrus in dairy cattle using a progesterone releasing intravaginal device (PRID) or gonadotrophins. Alanko M, et al. **Nord Vet Med** 1980 Oct;32(10):444–52

Serum albumin beads: an injectable, biodegradable system for the sustained release of drugs. Lee TK, et al. **Science** 1981 Jul 10;213(4504):233–5

[The effect of Kaufmann therapy and large dose treatment of human menopausal gonadotropin on gonadotropin resistant ovary syndrome (author's transl)] Utsunomiya T, et al. **Acta Obstet Gynaecol Jpn** 1981 Feb;33(2):250–8 (Eng. Abstr.) **(Jpn)**

[Effect of sex hormones on carbohydrate metabolic indices in the lungs of hypoxic rats] Pribylova NN. **Kosm Biol Aviakosm Med** 1981 Jun–Jul;15(4):45–8 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Selected events following insertion of the Progestasert system. Gibor Y, et al. **Contraception** 1980 May; 21(5):491–503

Angiography of cerebrovascular accidents in patients taking contraceptive pills. An analysis of 85 cases. Hardy–Godon S, et al. **J Neuroradiol** 1979;6(3):239–54 **(Eng, Fre)**

[Syndrome caused by ovarian hyperstimulation and pregnancy] Zinelli G. **Minerva Ginecol** 1981 Feb–Mar; 33(2–3):271–8 (Eng. Abstr.) **(Ita)**

[Gastric hemorrhage after the use of hormonal preparations] Khaimov IuIu, et al. **Vestn Khir** 1981 Feb;126(2):78 **(Rus)**

ANALOGS & DERIVATIVES

Measurement of plasma progesterone and its O–methyloxime by gas chromatography–nitrogen detection. Frith RG, et al. **Ann Clin Biochem** 1981 Mar;18(2):84–7

Regulation of progesterone from 20 alpha–dihydroprogesterone biosynthesis by phosphopyridine nucleotides in the human placental mitochondrial fraction. Klimek J, et al. **Biochem Med** 1980 Jun;23(3):257–62

Comparison of serum progesterone, 20 alpha–dihydroprogesterone, and estradiol–17 beta in pregnant and pseudopregnant rabbits: evidence for postimplantation recognition of pregnancy. Browning JY, et al. **Biol Reprod** 1980 Dec;23(5):1014–9

Regulation of ciliogenesis and proliferation of uterine epithelium by 20 alpha–hydroxy–pregn–4–en–3–one administration and withdrawal in ovariectomized rabbits. Conti CJ, et al. **Biol Reprod** 1981 May;24(4):903–11

Relationship between progesterone and prolactin surges in aged and young pseudopregnant rats. Gilman DP, et al. **Biol Reprod** 1981 May;24(4):839–45

Effect on ovulation of 20 alpha–hydroxy–4–pregnen–3–one and its 5 alpha–reduced metabolites in immature rats treated with pregnant mare serum gonadotrophin. Gilles PA, et al. **J Endocrinol** 1981 Feb;88(2):289–92

Quantitation of progesterone and 20 alpha–dihydroprogesterone in human placenta and fetal membranes. Laatikainen T, et al. **J Steroid Biochem** 1981 Jun;14(6):519–22

Influence of the substituents at C11 on hydroxylation at C6 of C21–steroids by Syncephalastrum racemosum. Sen R, et al. **J Steroid Biochem** 1981 Mar;14(3):307–9

Biosynthesis and metabolism of 16 alpha, 17–epoxy–C21–steroids in rat liver microsomes. Siekmann L, et al. **J Steroid Biochem** 1980 Oct;13(10):1181–205

Progesterone derivatives that bind to the digitalis receptor: structure––activity relationships. Kim RS, et al. **Mol Pharmacol** 1980 Nov;18(3):402–5

Conversion of 15 alpha–hydroxy–11–oxo–progesterone to 3 beta, 11 alpha, 15 beta–trihydroxy–5–pregnen–20–one. Weihe GR, et al. **Steroids** 1981 Mar;37(3):291–301

[Radioimmunological determination of plasma 20–alpha–OH

progesterone] Melega C, et al.
Ann Ostet Ginecol Med Perinat 1979 Jul–Aug; 100(4):239–49 (Eng. Abstr.) **(Ita)**
[Contraceptive activity and mechanism of action of combinations of 6-methyl-substituted D'6-pentaranes and mestranol] Korkhov VV, et al. **Farmakol Toksikol** 1981 Jan–Feb;44(1):95–8 (Eng. Abstr.) **(Rus)**
[Results of treating prostatic adenoma with Depostat] Darenkov AF, et al. **Urol Nefrol (Mosk)** 1980 Sep–Oct; (5):34–7 (Eng. Abstr.) **(Rus)**

ANALYSIS

Progesterone monitoring of anestrous dairy cows and subsequent treatment with a prostaglandin F2 alpha analog or gonadotropin-releasing hormone. Humblot P, et al. **Am J Vet Res** 1980 Nov;41(11):1762–6
Endocrine profile of semen in subfertile males with varicocele. Abdalla MI, et al. **Arch Androl** 1981 Mar; 6(2):175–9
Cytoplasmic estrogen receptor, estradiol and progesterone concentrations in endometrium of nonpregnant and pregnant pigs. Deaver DR, et al. **Biol Reprod** 1980 Aug; 23(1):72–7
Diagnosis of the luteinized unruptured follicle syndrome by steroid hormone assays on peritoneal fluid. Koninckx PR, et al. **Br J Obstet Gynaecol** 1980 Nov;87(11):929–34
Measurement of progesterone levels in whole and fore-milk from dairy cows. Holdsworth RJ, et al. **Br Vet J** 1980 Nov–Dec;136(6):546–54
A herd test for pregnancy in cattle based on progesterone levels in milk. Laing JA, et al. **Br Vet J** 1980 Jul–Aug; 136(4):413–15
Progesterone in defatted milk: its relation to insemination and pregnancy in normal cows as compared with cows on problem farms and individual problem animals. Oltner R, et al. **Br Vet J** 1981 Jan;137(1):78–87
Atypical milk progesterone profiles in two post-partum dairy cows. Watson ED, et al. **Br Vet J** 1981 Mar–Apr; 137(2):188–91
The use of immunocytochemical techniques for the detection of steroid hormones in breast cancer cells. Mercer WD, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2859–68
Comparison of milk and blood plasma progesterone concentrations in cycling and pregnant mares. Gunther JD, et al. **J Anim Sci** 1980 Nov;51(5):1131–8
Reviews of the progress of dairy science: hormones in milk: their physiological significance and value as diagnostic aids. Pope GS, et al. **J Dairy Res** 1980 Oct;47(3):427–49
Estrous behavior, progesterone in peripheral plasma and milk in dairy goats at onset of breeding season. Thibier M, et al. **J Dairy Sci** 1981 Mar;64(3):513–9
Enzyme-immunoassay for determination of progesterone in milk from cows. Arnstadt KI, et al. **J Reprod Fertil** 1981 May;62(1):173–80
Quantitation of progesterone and 20 alpha-dihydroprogesterone in human placenta and fetal membranes. Laatikainen T, et al. **J Steroid Biochem** 1981 Jan;14(6):519–22
An assessment by progesterone assay of the accuracy of oestrus detection in dairy cows. McCaughey WJ, et al. **Vet Rec** 1980 Nov 29;107(22):508–10
Milk progesterone test [letter] Pengelly J. **Vet Rec** 1979 Apr 7;104(14):328
Milk progesterone profiles and the double injection of cloprostenol in post partum beef cows. Peters AR, et al. **Vet Rec** 1980 Aug 23;107(8):174–7
Progesterone in milk fat of buffaloes during the oestrous cycle and early pregnancy. Suri AK, et al.
Zentralbl Veterinaermed [A] 1980;27(9–10):702–7
[Results of a trial with the milk progesterone test for fertility control in dairy herds] Chavaz J, et al.
Schweiz Arch Tierheilkd 1980 Sep;122(9):471–8 (Eng. Abstr.) **(Ger)**
[Radioimmunological study of the effect of hormonal contraceptives upon the progesterone level of saliva (author's transl)] Arnold M, et al.
Zahn Mund Kieferheilkd 1980;68(7):713–8 (Eng. Abstr.) **(Ger)**
[Changes in maternal, amniotic and umbilical-cord blood levels of 17-beta-estradiol and progesterone in labor] Vignali M, et al. **Ann Ostet Ginecol Med Perinat** 1979 Sep–Oct;100(5):293–301 (Eng. Abstr.) **(Ita)**
[Sex hormone content of the blood plasma and follicular fluid in sclerocystic ovary patients] Volkov I, et al.
Akush Ginekol (Mosk) 1980 Sep;(9):29–30 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Inhibition by fatty acids of the cholesterol side-chain cleavage in the course of progesterone biosynthesis in the mitochondrial fraction of human term placenta. Tiałowska B, et al. **Acta Biochim Pol** 1980;27(3–4):257–64
Effect of adrenergic agonists on progesterone production by human placental cells in culture. Caritis SN, et al.
Am J Obstet Gynecol 1980 Nov 15;138(6):677–80
Evidence that arginine vasotocin inhibits human chorionic gonadotropin and cyclic adenosine 3',5' monophosphate stimulated ovarian steroidogenesis. Kahn JK, et al.
Biochem Biophys Res Commun 1981 May 15;100(1):100–4
The preparation and purification of isolated rat corpus-luteum cells and their use in studying the relationship between cholesterol biosynthesis and the lutropin-stimulated formation of progesterone. McNamara BC, et al. **Biochem J** 1980 Nov 15;192(2):559–67
Regulation of progesterone from 20 alpha-dihydroprogesterone biosynthesis by phosphopyridine nucleotides in the human placental mitochondrial fraction. Klimek J, et al. **Biochem Med** 1980 Jun;23(3):257–62
Synthesis of progesterone and estradiol by monkey luteal cells in culture: Effects of insulin, thyroxine, cortisol, and cholesterol with and without hCG. Gulyas BJ, et al.
Biol Reprod 1980 Aug;23(1):21–8
Steroidogenesis in avian granulosa cells: early and late kinetics of oLH- and dibutyryl cyclic AMP-promoted progesterone production. Zakár T, et al. **Biol Reprod** 1980 Dec;23(5):974–80
PCB augments LH-induced progesterone synthesis. Fuller GB, et al. **Bull Environ Contam Toxicol** 1980 Jul;25(1):65–8
Epidermal growth factor stimulates production of progesterone in cultured human choriocarcinoma cells. Bahn RS, et al. **Endocrinology** 1980 Dec;107(6):2121–3
Stimulation of phospholipid labeling and steroidogenesis by luteinizing hormone in isolated bovine luteal cells. Davis JS, et al. **Endocrinology** 1981 Aug;109(2):469–75
Estrogen and progesterone production by developing porcine follicles in vitro: evidence for estrogen formation by theca. Haney AF, et al. **Endocrinology** 1981 Sep;109(3):971–7
Effect of luteinizing hormone and follicle-stimulating hormone on progesterone synthesis by cultured rat cumulus cells. Hillensjö T, et al. **Endocrinology** 1981 May; 108(5):1920–4
Estrogen receptor in rabbit ovaries and effects of antiestrogen on progesterone production. Holt JA, et al.
Endocrinology 1981 Jun;108(6):2308–15
Direct inhibitory effect of gonadotropin-releasing hormone upon luteal luteinizing hormone receptor and steroidogenesis in hypophysectomized rats. Jones PB, et al. **Endocrinology** 1980 Dec;107(6):1930–6
Steroidogenesis in experimentally induced atretic follicles of the hamster: a shift from estradiol to progesterone synthesis. Terranova PF. **Endocrinology** 1981 May;108(5):1885–90
Direct actions of 17 beta-estradiol on progesterone production by highly differentiated porcine granulosa cells in vitro. II. Regulatory interactions of estradiol with luteinizing hormone and cyclic nucleotides. Veldhuis JD, et al. **Endocrinology** 1981 Aug;109(2):433–42
Effects of human chorionic gonadotropin in the rabbit corpus luteum: loss of estrogen receptor and decreased steroidogenic response to estradiol. Yuh KC, et al.
Endocrinology 1981 Apr;108(4):1321–7
Enhanced multiplication and progesterone production by porcine granuloma cells cultured in a serum-free medium. Stoklosowa S, et al. **Exp Cell Res** 1981 Feb;131(2):431–5
Effects of mammalian gonadotropins on progesterone release and cyclic nucleotide production by isolated avian granulosa cells. Hammond RW, et al.
Gen Comp Endocrinol 1980 Aug;41(4):467–76
The rate of conversion of [14-(14)C]pregnenolone to [4-(14)C]progesterone by corpora lutea of the snapping turtle, Chelydra serpentina. Mahmoud IY, et al.
Gen Comp Endocrinol 1980 Jun;41(2):274–7
Luteotropic effects of bovine blastocysts. Beal WE, et al.
J Anim Sci 1981 Mar;52(3):567–74
Receptor-mediated gonadotropin action in the ovary. Rat luteal cells preferentially utilize and are acutely dependent upon the plasma lipoprotein-supplied sterols in gonadotropin-stimulated steroid production. Azhar S, et al. **J Biol Chem** 1981 Jul 10;256(13):6548–55
Characterization of steroid production in cultured human choriocarcinoma cells. Bahn RS, et al.
J Clin Endocrinol Metab 1981 Mar;52(3):447–50
Plasma lipoprotein regulation of progesterone biosynthesis by human corpus luteum tissue in organ culture. Carr BR, et al. **J Clin Endocrinol Metab** 1981 May;52(5):875–81
Steroidogenesis by recombined follicular cells from the human ovary in vitro. McNatty KP, et al.
J Clin Endocrinol Metab 1980 Dec;51(6):1286–92
Effects of phyto-oestrogens on progesterone synthesis by isolated bovine granulosa cells. Kaplanski O, et al.
J Endocrinol 1981 Jun;89(3):343–8
Correlation of cyclic AMP and cyclic GMP accumulation and steroidogenesis during stimulation of bovine luteal cells with luteinizing hormone. Ling WY, et al. **J Endocrinol** 1980 Jul;86(1):45–52
Stimulation by beta 2-adrenergic receptors of the production of cyclic AMP and progesterone in rat ovarian tissue. Ratner A, et al. **J Endocrinol** 1980 Oct;87(1):123–9
Progesterone production by dispersed cells from human corpus luteum: stimulation by gonadotrophins and prostaglandin F 2 alpha; lack of response to adrenaline and isoprenaline. Richardson MC, et al. **J Endocrinol** 1980 Nov; 87(2):247–54
Onset of synthesis of progesterone by ovine placenta. Ricketts AP, et al. **J Endocrinol** 1980 Aug;86(2):337–47
Acute effects of an antiserum to luteinizing hormone on ovarian steroidogenesis in the pregnant rat. Terranova PF, et al. **J Endocrinol** 1981 Jul;90(1):19–30
Relationship between the decidual response and ovarian steroidogenesis in the unilaterally ovariectomized pseudopregnant rat. Terranova PF. **J Endocrinol** 1980 Jun; 85(3):525–31
Effect of LH factors regulating ovarian cholesterol metabolism and progesterone synthesis in PMSG-primed immature rats. Henderson KM, et al. **J Reprod Fertil** 1981 Mar;61(2):373–80
Placental production of progesterone in ovariectomized goats treated with a synthetic progestagen to maintain pregnancy. Sheldrick EL, et al. **J Reprod Fertil** 1980 Nov;60(2):339–48
Effect of prostaglandin F-2 alpha on steroidogenesis by porcine corpora lutea. Torday JS, et al.
J Reprod Fertil 1980 Mar;58(2):301–10
Regulation of steroidogenesis in the human placenta. Bedin M, et al. **J Steroid Biochem** 1980 Jan;12:17–24
Progesterone synthesis by human placental syncytiotrophoblast in vitro--preferred precursor and effect of human chorionic gonadotropin. Paul S, et al.
J Steroid Biochem 1981 Mar;14(3):311–3
In vitro conversion of pregnenolone to progesterone by discrete brain areas of the male rat. Weidenfeld J, et al.
J Steroid Biochem 1980 Aug;13(8):961–3
The biosynthesis of progesterone by fowl granulosa cells in vitro from 14C-labelled substrates. Wells JW, et al.
J Steroid Biochem 1981 Jun;14(7):651–6
Increase in catecholamine-stimulated cyclic AMP and progesterone synthesis in rat granulosa cells during culture. Kliachko S, et al. **Mol Cell Endocrinol** 1981 Jul;23(1):23–32
Steroid and plasminogen activator production by cultured rat granulosa cells in response to hormone treatment. Liu WK, et al. **Mol Cell Endocrinol** 1981 Jan;21(1):63–73
The role of gonadotropins and testosterone in progesterone production by human ovarian granulosa cells. Moon YS.
Mol Cell Endocrinol 1981 Jul;23(1):115–22
Regulation of steroidogenesis in the ovine corpus luteum. Silavin SL, et al. **Steroids** 1980 Aug;36(2):229–41
Hormone synthesis by primary breast carcinomas and prognosis in human breast cancer. Di Martino L, et al.
Tumori 1980 Apr 30;66(2):197–203
The direct influence of stallion semen on progesterone production in cultured corpus luteum cells. Gregoraszczuk E, et al. **Zentralbl Veterinaermed [A]** 1980;27(9–10):788–95

BLOOD

Plasma concentrations of progesterone, oestrogens and prostaglandin F in maternal blood and corticosteroids and oestrogens in foetal blood of cows during dexamethasone-induced deliveries. Fairclough RJ, et al.
Acta Endocrinol (Copenh) 1981 Mar;96(3):406–12
Regulation of serum-progesterone in patients with essential hypertension. Wambach G, et al.
Acta Endocrinol (Copenh) 1980 Oct;95(2):207–11
Changes of plasma progesterone and testosterone level in chicken (Gallus domesticus) from the first day of life to the beginning of oviposition. Muray T, et al.
Acta Vet Acad Sci Hung 1980;28(1):97–102
Temporal relationships between ovulation and defined changes in the concentration of plasma estradiol-17 beta, luteinizing hormone, follicle-stimulating hormone, and progesterone. I. Probit analysis. World Health Organization, Task Force on Methods for the Determination of the Fertile Period, Special Programme of Research, Development and Research Training in Human Reproduction. **Am J Obstet Gynecol** 1980 Oct 15; 138(4):383–90
Temporal relationships between ovulation and defined changes in the concentration of plasma estradiol-17 beta, luteinizing hormone, follicle-stimulating hormone, and progesterone. II. Histologic dating.
Am J Obstet Gynecol 1981 Apr 15;139(8):886–95
Progestogen-dependent endometrial protein in women: tissue concentration in relation to developmental stage and to serum hormone levels. Joshi SG, et al.
Am J Obstet Gynecol 1980 Dec 15;138(8):1131–6
Plasma progesterone concentration in the bovine before abortion or parturition in pregnant animals exposed to Sarcocystis cruzi, Campylobacter fetus, or Aspergillus fumigatus. Baetz AL, et al. **Am J Vet Res** 1980 Nov; 41(11):1767–8
Peripheral serum progesterone and luteinizing hormone concentrations of goats during synchronization of estrus and ovulation with prostaglandin F2 alpha. Ott RS, et al.
Am J Vet Res 1980 Sep;41(9):1432–4
Decline in assayable progesterone in bovine plasma: effect of time, temperature, anticoagulant, and presence of blood cells. Vahdat F, et al. **Am J Vet Res** 1981 Mar;42(3):521–2
Measurement of plasma progesterone and its O-methyloxime by gas chromatography-nitrogen detection. Frith RG, et al. **Ann Clin Biochem** 1981 Mar;18(2):84–7
A sensitive, specific, solid-phase enzymeimmunoassay for plasma progesterone. Joyce BG, et al.
Ann Clin Biochem 1981 Jan;18(Pt 1):42–7
Alpha-fetoprotein and serum hormone levels following liver intoxication with carbon tetrachloride. Aussel C, et al.
Biochem Biophys Res Commun 1980 Jul 31;95(2):796–800
Luteotropic action of decidual tissue in the pregnant rat. Basuray R, et al. **Biol Reprod** 1980 Oct;23(3):507–12
Comparison of serum progesterone, 20 alpha-dihydroprogesterone, and estradiol-17 beta in pregnant and pseudopregnant rabbits: evidence for postimplantation recognition of pregnancy. Browning JY, et al. **Biol Reprod** 1980 Dec;23(5):1014–9
Age-related temporal changes of levels of circulating progesterone in repeatedly pseudopregnant rats. Fayein NA, et al. **Biol Reprod** 1980 Oct;23(3):616–20
Ovum transport in pregnant, pseudopregnant, and cyclic rats

and its relationship to estradiol and progesterone blood levels. Forcelledo ML, et al. **Biol Reprod** 1981 May; 24(4):760–5

Relationship between progesterone and prolactin surges in aged and young pseudopregnant rats. Gilman DP, et al. **Biol Reprod** 1981 May;24(4):839–45

Plasma testosterone in the male, progesterone and estradiol–17 beta in the female, and delta 5–3 beta–hydroxysteroid dehydrogenase (3 beta–HSD) activity in the testis and ovary of the Snell dwarf mouse. Howe E, et al. **Biol Reprod** 1980 Nov;23(4):887–92

Endogenous rhythms of luteal and adrenal cholesterol ester hydrolase and serum PRL, LH and progesterone in mature pseudopregnant rats. Klemcke HG, et al. **Biol Reprod** 1980 Jun;22(5):1022–8

Effects of bromocriptine and PRL on luteal and adrenal cholesterol ester hydrolase and serum progesterone concentrations in mature pseudopregnant rats. Klemcke HG, et al. **Biol Reprod** 1980 Jun;22(5):1029–39

Temporal relationship between follicular development, ovulation, and ovarian hormonal profile in the capuchin monkey (Cebus apella). Nagle CA, et al. **Biol Reprod** 1980 Oct;23(3):629–35

Altered profiles of estradiol and progesterone associated with prolonged estrous cycles and persistent vaginal cornification in aging C57BL/6J mice. Nelson JF, et al. **Biol Reprod** 1981 May;24(4):784–94

Progesterone levels in the circulating blood of the ovarian and uterine veins during gestation in the mouse. Pointis G, et al. **Biol Reprod** 1981 May;24(4):801–5

Serum progesterone and oestradiol concentrations in women with unexplained infertility. Driessen F, et al. **Br J Obstet Gynaecol** 1980 Jul;87(7):619–23

Umbilical cord plasma progesterone at term in relation to mode of delivery. Maynard PV, et al. **Br J Obstet Gynaecol** 1980 Oct;87(10):864–8

A herd test for non–pregnancy using plasma progesterone levels in the selection of swamp buffalo for oestrus synchronization. Kamonpatana M, et al. **Br Vet J** 1981 Mar–Apr;137(2):173–5

Unilaterally ovariectomized pregnant mice: dieldrin induction of the hepatic monooxygenases and plasma progesterone levels. Virgo BB. **Can J Physiol Pharmacol** 1980 Jun;58(6):638–42

Progesterone levels in peripheral plasma of Rocky Mountain bighorn ewes (Ovis canadensis) during the estrous cycle and pregnancy. Whitehead PE, et al. **Can J Zool** 1980 Jun; 58(6):1105–8

Correlation of plasma estradiol–17 beta and progesterone levels with ultrastructure and histochemistry of ovarian follicles in the white–spotted char, Salvelinus leucomaenis. Kagawa H, et al. **Cell Tissue Res** 1981;218(2):315–29

Fluoroimmunoassay of progesterone in human serum or plasma. Allman BL, et al. **Clin Chem** 1981 Jul;27(7):1176–9

A strategy for radioimmunoassay of plasma progesterone with use of a homologous–site 125I–labeled radioligand. Corrie JE, et al. **Clin Chem** 1981 Apr;27(4):594–9

Radioimmunoassay of progesterone in unextracted serum. Haynes SP, et al. **Clin Chem** 1980 Oct;26(11):1607–9

Comparison of levels of cytosol estrogen receptors with 'arterial' and 'venous' concentrations of gonadic steroids in mammary tumors. Duvivier J, et al. **Clin Chim Acta** 1981 Apr 27;112(1):21–32

Ovarian and placental hormones during prolactin suppression and stimulation in early human pregnancy. Andersen AN, et al. **Clin Endocrinol (Oxf)** 1980 Aug;13(2):151–5

Correlations between progesterone, oestradiol and aldosterone levels in the premenstrual syndrome. Munday MR, et al. **Clin Endocrinol (Oxf)** 1981 Jan;14(1):1–9

Leydig cell tumour of the testis with gynaecomastia and elevated oestrogen, progesterone and prolactin levels: case report. Perez C, et al. **Clin Endocrinol (Oxf)** 1980 Nov; 13(5):409–12

Luteolysis induced by a luteinizing hormone–releasing hormone agonist is prevented by human chorionic gonadotropin. Bergquist C, et al. **Contraception** 1980 Oct; 22(4):341–7

Correlation between the serum norethindrone (NET) levels attained after insertion of a silastic implant releasing norethindrone acetate and the endogenous hormones particularly progesterone. Laumas V, et al. **Contraception** 1981 Feb;23(2):211–25

Clinical and endocrinologic study of continuous levonorgestrel administration from subcutaneous solid polydimethylsiloxane rods. Roy S, et al. **Contraception** 1980 Jun;21(6):595–615

The effect of daily d–norgestrel (30 micrograms) on serum progesterone in Thai women. Sribyatta B, et al. **Contraception** 1981 Jan;23(1):55–62

Estradiol, progesterone and plasma lipids during the menstrual cycle. Basdevant A, et al. **Diabete Metab** 1981 Mar;7(1):1–4

Involvement of ovarian innervation in steroid secretion. Kawakami M, et al. **Endocrinology** 1981 Jul;109(1):136–45

Human chorionic gonadotropin maintains plasma progesterone at pregnancy levels in rhesus monkeys. Thau RB, et al. **Endocrinology** 1981 Sep;109(3):704–7

Alterations in daily rhythms of testosterone and progesterone in old male rats. Simpkins JW, et al. **Exp Aging Res** 1981 Spring;7(1):25–32

Effects of repeated administration of potassium canrenoate (SC–14266) on serum gonadotrophin, prolactin, testosterone and progesterone in male rats. Muraki T, et al. **Experientia** 1980 Jun 15;36(6):668–9

Clinical investigation of the menstrual cycle. III. Clinical, endometrial, and endocrine aspects of luteal defect. Gautray JP, et al. **Fertil Steril** 1981 Mar;35(3):296–303

Serum progesterone, 17 alpha–hydroxyprogesterone, human chorionic gonadotropin, and prolactin in early pregnancy and a case of spontaneous abortion. Manganiello PD, et al. **Fertil Steril** 1981 Jul;36(1):55–60

In vivo regulation of steroidogenesis by ovine gonadotropins in male and female mudpuppies, Necturus maculosus Rafinesque. Bolaffi JL, et al. **Gen Comp Endocrinol** 1981 May;44(1):108–16

Luteal development, placentation, and plasma progesterone concentration in the viviparous lizard Sceloporus jarrovi. Guillette LJ Jr, et al. **Gen Comp Endocrinol** 1981 Jan; 43(1):20–9

Changes in the plasma LH, progesterone, and estradiol during the ovulatory cycle of the duck (Anas platyrhynchos domestica) exposed to different photoperiods. Tanabe Y, et al. **Gen Comp Endocrinol** 1980 Jul;41(3):378–83

The effect of short–term starvation on pituitary and plasma LH, plasma estradiol and progesterone, and on pituitary response to LH–RH in the laying hen (Gallus domesticus). Tanabe Y, et al. **Gen Comp Endocrinol** 1981 Mar; 43(3):392–8

Hormonal and gestational evidence for delayed implantation in the striped skunk, Mephitis mephitis. Wade–Smith J, et al. **Gen Comp Endocrinol** 1980 Dec;42(4):509–15

HCG, progesterone and 17–beta–estradiol levels during extra–amniotically induced early abortion by a new prostaglandin derivative (Sulprostone). Nilsson S, et al. **Gynecol Obstet Invest** 1981;12(4):203–10

Hormonal and behavioral changes at puberty in the squirrel monkey. Coe CL, et al. **Horm Behav** 1981 Mar;15(1):36–53

Early pregnancy diagnosis in Zebu cows by estimating progesterone concentration in blood serum. Agarwal SP, et al. **Indian J Exp Biol** 1980 Jun;18(6):637–8

Serum progesterone in women with lactational amenorrhoea. Joshi UM, et al. **Indian J Med Res** 1980 Oct;72:508–11

Plasma levels of estradiol and progesterone during normal menstrual cycle in langur monkey (Presbytis entellus entellus) [letter] Chowdhury SR, et al. **Indian J Physiol Pharmacol** 1980 Oct–Dec;24(4):364–6

Serial monitoring of serum estradiol and progesterone levels during the HMG–HCG therapy in sex anovulatory women. Sakuragi N, et al. **Int J Gynaecol Obstet** 1981 Mar; 19(1):53–6

Variables associated with peripartum traits in dairy cows. VII. Hormones, calf traits and subsequent milk yield. Erb RE, et al. **J Anim Sci** 1980 Jul;51(1):143–52

Suckling effect on estrus and blood plasma progesterone in postpartum beef cows. LaVoie V, et al. **J Anim Sci** 1981 Apr;52(4):802–12

The relationships between plasma progesterone and Ih and the numbers of corpora lutea and embryos in purebred and crossbred gilts. Wettemann RP, et al. **J Anim Sci** 1980 Dec; 51(6):1352–7

Oxytocin release and plasma anterior pituitary and gonadal hormones in women during lactation. Dawood MY, et al. **J Clin Endocrinol Metab** 1981 Apr;52(4):678–83

Abnormal follicle–stimulating hormone and luteinizing hormone patterns contrasting with normal estradiol and progesterone secretion in women with longstanding unexplained infertility. Dmowski WP, et al. **J Clin Endocrinol Metab** 1981 Jun;52(6):1218–24

Acute changes in serum prolactin concentration have no effect on the secretion of progesterone, estradiol, or chorionic gonadotropin during early pregnancy. Ranta T, et al. **J Clin Endocrinol Metab** 1980 Sep;51(3):544–7

Production rate of deoxycorticosterone in women during the follicular and luteal phases of the ovarian cycle: the role of extraadrenal 21–hydroxylation of circulating progesterone in deoxycorticosterone production. Winkel CA, et al. **J Clin Endocrinol Metab** 1980 Dec;51(6):1354–8

Conversion of plasma progesterone to deoxycorticosterone in men, nonpregnant and pregnant women, and adrenalectomized subjects. Winkel CA, et al. **J Clin Invest** 1980 Oct;66(4):803–12

Consumption of food, body weight, perineal colour and levels of progesterone in the serum of cyclic female chinchillas. Brookhyser KM, et al. **J Endocrinol** 1980 Nov;87(2):213–9

Diurnal changes in the concentration of progesterone in the plasma of women at 34–35 weeks of gestation. Challis JR, et al. **J Endocrinol** 1981 Jun;89(3):337–41

Plasma prolactin and progesterone responses to mating are altered in ages rats. Hendricks S, et al. **J Endocrinol** 1981 Aug;90(2):179–91

Pharmacokinetics of progesterone in laying and non–laying hens (Gallus domesticus). Johnson AL, et al. **J Endocrinol** 1981 Apr;89(1):1–12

Changes in follicle–stimulating hormone, luteinizing hormone, prolactin, oestradiol and progesterone concentrations in the sera of anovulatory androgenized female and castrated male parabiotic rats of the Fischer–344 strain. Johnson DC. **J Endocrinol** 1981 Mar;88(3):321–8

Progesterone levels after induction of ovulation in dioestrous rats. Shirota M, et al. **J Endocrinol** 1980 Oct;87(1):141–6

Serum levels of oestradiol–17 beta and progesterone in relation to sexual receptivity in intact and ovariectomized rats. Södersten P, et al. **J Endocrinol** 1981 Apr;89(1):45–54

Progesterone concentrations in peripheral plasma of non–pregnant and pregnant grey squirrels (Sciurus carolinensis). Tait AJ, et al. **J Endocrinol** 1981 Apr; 89(1):107–16

A simple and rapid solid–phase radioimmunoassay for serum progesterone, using the protein A of Staphylococcus aureus as immunoadsorbent. Jungers J, et al. **J Lab Clin Med** 1981 Jul;98(1):30–6

Detection of heterozygotes for congenital adrenal hyperplasia: 21–hydroxylase deficiency–a comparison of HLA typing and 17–OH progesterone response to ACTH infusion. Mauseth RS, et al. **J Pediatr** 1980 Nov; 97(5):749–53

Changes in concentrations of serum prolactin, FSH, oestradiol and progesterone and of the sex skin during the menstrual cycle in the mangabey monkey (Cercocebus atys lunulatus). Aidara D, et al. **J Reprod Fertil** 1981 Jul; 62(2):475–81

Oestrous cycle length and plasma progesterone concentrations following administration of prostaglandin F–2 alpha early in the bovine oestrous cycle. Beal WE, et al. **J Reprod Fertil** 1980 Jul;59(2):393–6

Effects of placentophagy on serum prolactin and progesterone concentrations in rats after parturition or superovulation. Blank MS, et al. **J Reprod Fertil** 1980 Nov; 60(2):273–8

Plasma concentrations of oestradiol–17 beta, oestrone, progesterone and testosterone during the ovarian cycle of the owl monkey (Aotus trivirgatus). Bonney RC, et al. **J Reprod Fertil** 1980 Sep;60(1):101–7

Effects of hypophysectomy and of LH administration on luteal phase plasma progesterone levels in the beagle bitch. Concannon P. **J Reprod Fertil** 1980 Mar;58(2):407–10

Effect of oestrogen on pregnancy of guinea–pigs. Evans JJ, et al. **J Reprod Fertil** 1981 May;62(1):205–11

Short–term relationships between plasma LH, FSH and progesterone concentrations in post–partum dairy cows and the effect of Gn–RH injection. Foster JP, et al. **J Reprod Fertil** 1980 Jul;59(2):321–7

Plasma concentrations of progesterone and 13,14–dihydro–15–keto–prostaglandin F–2 alpha at parturition in the bandicoot, Isoodon macrourus. Gemmell RT, et al. **J Reprod Fertil** 1980 Sep;60(1):253–6

Duration of oestrus, ovulation rate, time of ovulation and plasma LH, total oestrogen and progesterone in Galway adult ewes and ewe lambs. Quirke JF, et al. **J Reprod Fertil** 1981 Mar;61(2):265–72

Plasma concentrations of oestrone, progesterone and corticosteroids during late pregnancy and after parturition in the harbour seal, Phoca vitulina. Raeside JI, et al. **J Reprod Fertil** 1981 Jan;61(1):135–9

LH, FSH and progesterone concentrations in peripheral plasma of the female roe deer (Capreolus capreolus) during the rutting season. Schams D, et al. **J Reprod Fertil** 1980 Sep;60(1):109–14

Single midluteal progesterone assay in the management of ovulatory infertility. Radwanska E, et al. **J Reprod Med** 1981 Feb;26(2):85–9

Plasma progesterone levels in progesterone treated cows. Grosskopf JF, et al. **J S Afr Vet Assoc** 1979 Mar;50(1):37–43

Induced parturition in cattle. II. Plasma oestrogen and progesterone levels. Terblanche HM, et al. **J S Afr Vet Assoc** 1980 Jun;51(2):101–3

Prediction and detection of ovulation by hormonal measurements: contribution of a new enzymatic method. Descomps B, et al. **J Steroid Biochem** 1980 Jan;12:385–93

Human chorionic gonadotropin, estradiol, progesterone, prolactin, and B–scan ultrasound monitoring of complications in early pregnancy. Yuen BH, et al. **Obstet Gynecol** 1981 Feb;57(2):207–14

Plasma progesterone in cattle. I. Development and validity of the assay. Terblanche HM, et al. **Onderstepoort J Vet Res** 1980 Sep;47(3):179–85

Changes in serum progesterone and estrogen of the nonpregnant coyote during the breeding season. Stellflug JN, et al. **Proc Soc Exp Biol Med** 1981 Jun;167(2):220–3

The effects of prostacyclin (PGI2) and 6–keto–PGF1 alpha on bovine plasma progesterone and LH concentrations. Milvae RA, et al. **Prostaglandins** 1980 Oct;20(4):641–7

Effects of prostaglandins on peripheral progesterone and uterine diamine oxidase in the pregnant hamster. Spilman CH, et al. **Prostaglandins** 1980 Dec;20(6):1061–74

Inhibition of the monkey corpus luteum with 15–methyl prostaglandins. Wilks JW. **Prostaglandins** 1980 Nov; 20(5):793–805

Prostaglandin F2 alpha and progesterone in experimental hypogalactia in sows. Liptrap RM. **Res Vet Sci** 1980 Sep; 29(2):240–7

Prolactin, estriol and progesterone levels in frequent blood samples throughout normal pregnancy (lack of prolactin pulsatile secretion). Scaglia HE, et al. **Ric Clin Lab** 1981 Jan–Mar;11(1):65–74

Effects of four prostaglandin analogues on menstrual cycle length and peripheral levels of 17 beta–oestradiol and progesterone in the chacma baboon. Rall HJ, et al. **S Afr Med J** 1981 Apr 25;59(18):637–9

Scanning electron, light optical, and transmission electron microscopy and plasma steroid values of porcine uterus at lactation. Geissinger HD, et al. **Scan Electron Microsc** 1980;(3):399–406, 448

Estradiol and progesterone profiles indicate a lack of endocrine recognition of pregnancy in the opossum. Harder JD, et al. **Science** 1981 Jun 19;212(4501):1400–2

Serum progesterone and corpus luteum function in pregnant pigtailed monkeys (Macaca nemestrina). Chandrashekar V, et al. **Steroids** 1980 Oct;36(4):483–95

Plasma progesterone levels during late pregnancy in goats. Jain GC, et al. **Zentralbl Veterinaermed [A]** 1980; 27(6):513–6

[Fast and effective method of extracting and separating progesterone from blood plasma] Maleeva A, et al. **Vutr Boles** 1980;19(4):95–9 (Eng. Abstr.) **(Bul)**

[Possibilities in evaluation of endocrine functions of the foetoplacental unit in risk pregnancies (author's transl)] Donát J, et al. **Cesk Gynekol** 1980 Jul;45(6):371–8 (Eng. Abstr.) **(Cze)**

[Effect of chorionic gonadotropin on the plasma progesterone level during early postnatal development in female rats (author's transl)] Presl J, et al. **Cesk Gynekol** 1980 Aug; 45(7):482–7 (Eng. Abstr.) **(Cze)**

[Prognosis and treatment of threatened abortion. B. Plasma hormone determinations in the prognostic evaluation of hemorrhage in the first trimester of pregnancy] Crépin G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(1):67–72 **(Fre)**

[Prognosis and treatment of threatened abortion. C. Longitudinal study of normal and pathologic pregnancy using plasma hormone determinations] Crépin G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(1):73–8 **(Fre)**

[Prognosis and treatment of threatened abortion. C. Profile of hCG and steroids in 1st trimester spontaneous abortions] Scholler R, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(1):79–89 **(Fre)**

[Sex hormones in young pigs. I. Concentrations of plasma progesterone and estrogens of sows and urinary estrogens after synchronization of estrus and ovulation] Schneider F, et al. **Arch Exp Veterinaermed** 1980;34(5):693–8 (Eng. Abstr.) **(Ger)**

[Progesterone and estradiol levels in blood plasma of calves following superovulation treatment] Schneider F, et al. **Arch Exp Veterinaermed** 1980;34(5):683–91 (Eng. Abstr.) **(Ger)**

[The value of endocrinological monitoring in gonadotrophin treated cycles of anovulatory women--a comparison of endocrinological and ultrasonic parameters (author's transl)] Nitschke-Dabelstein S, et al. **Geburtshilfe Frauenheilkd** 1980 Aug;40(8):702–12 (Eng. Abstr.) **(Ger)**

[Serum progesterone levels in normal and early complicated pregnancy] Friedrich F, et al. **Gynaekol Rundsch** 1980 Jun; 20 Suppl 2:217–9 **(Ger)**

[Correlation between endometrial maturation and plasma progesterone in evaluation of the post-ovulatory phase] Ragni G, et al. **Ann Ostet Ginecol Med Perinat** 1979 Nov-Dec;100(6):417–23 (Eng. Abstr.) **(Ita)**

[Hormonal profile in threatened abortion and its treatment with hCG] Desanso G, et al. **Minerva Ginecol** 1981 May; 33(5):421–8 **(Ita)**

[Serum levels of 17-beta-estradiol and progesterone in atherosclerotic subjects before and after HCG tests] Campisi D, et al. **Minerva Med** 1980 Jun 16;71(24):1723–6 (Eng. Abstr.) **(Ita)**

[Serum hCG, hPL and progesterone levels in threatened abortions (author's transl)] Sugita N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Jul;32(7):851–8 (Eng. Abstr.) **(Jpn)**

[Steroid hormone content in the maternal peripheral blood and in the umbilical vessels in the normal course of labor] Starostina TA, et al. **Akush Ginekol (Mosk)** 1980 Jul; (7):13–6 (Eng. Abstr.) **(Rus)**

[Steroid hormone content and the activity of the thermostable isoenzyme of alkaline phosphatase in the blood of women with a high-risk pregnancy] Zhantieva EM, et al. **Akush Ginekol (Mosk)** 1980 Dec;(12):33–5 (Eng. Abstr.) **(Rus)**

[Content of sex steroids in the blood of female sables in the initial stages of postnatal ontogenesis] Shul'gina NK, et al. **Dokl Akad Nauk SSSR** 1981;258(6):1504–7 **(Rus)**

[Use of direct spectrophotometry for the quantitative analysis of corticosteroids on thin-layer chromatograms] Poliakov LM, et al. **Probl Endokrinol (Mosk)** 1981 Mar-Apr; 27(2):74–7 (Eng. Abstr.) **(Rus)**

[Progesterone and 17-beta-estradiol concentration in the peripheral blood of pregnant mice at various stages of pre-implantation period of embryonal development] Polyntsev IuV, et al. **Probl Endokrinol (Mosk)** 1980 Jul-Aug;26(4):65–9 (Eng. Abstr.) **(Rus)**

[Testosterone, progesterone and estradiol levels in duodenal ulcer in men] Vinogradov VA, et al. **Ter Arkh** 1981; 53(2):31–3 **(Rus)**

CEREBROSPINAL FLUID

Levels of estradiol and progesterone in the cerebrospinal fluid of rhesus monkey during the menstrual cycle. Kumar TC, et al. **J Med Primatol** 1980;9(4):222–32

DEFICIENCY

[Pathology, diagnosis and treatment in luteal phase inadequacy. An overview (author's transl)] Wentz AC. **Rev Chil Obstet Ginecol** 1979;44(1):34–6 **(Spa)**

DIAGNOSTIC USE

Progesterone positive feedback on gonadotropin release in estrogen-primed postmenopausal women: central nervous system and pituitary as possible sites of action. Nicoletti I, et al. **J Clin Endocrinol Metab** 1981 Jul;53(1):135–8

Effects of lesions in the medial basal part of the suprachiasmatic area on prolactin and gonadotropin surges induced by estrogen and progesterone treatment in ovariectomized rats. Kawakami M, et al. **Neuroendocrinology** 1981 Apr;32(4):242–7

[Clinical and endocrinological evaluation on the progesterone challenge test for amenorrhoeic women (author's transl)] Kusuda M, et al. **Acta Obstet Gynaecol Jpn** 1981 Apr; 33(4):433–41 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Purification of hapten–enzyme conjugates for enzymoimmunoassay. Donà V, et al. **Clin Chim Acta** 1980 Dec 8;108(2):301–7

Autoimmune progesterone dermatitis. Stone J, et al. **Int J Dermatol** 1981 Jan-Feb;20(1):50–1

Production and characterisation of a monoclonal antibody to progesterone. Fantl VE, et al. **J Steroid Biochem** 1981 Apr;14(4):405–7

[Differential effect of steroid female sex hormones on the T- and B-dependent immunity systems] Shilov IuI, et al. **Patol Fiziol Eksp Ter** 1980;(4):73–5 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

A convenient and efficient method for the extraction and fractionation of steroid hormones from serum or urine. Schöneshöfer M, et al. **J Clin Chem Clin Biochem** 1981 Feb;19(2):71–4

METABOLISM

Effect of experimental bilateral cryptorchidism on in vitro metabolism of progesterone by rat testis. Appell RA. **Arch Androl** 1981 Aug;7(1):79–83

Functions of calcium in the interaction of progesterone–receptor complex with nuclear components. Kalimi M. **Arch Biochem Biophys** 1980 Dec;205(2):428–36

Temperature dependence of kinetic interactions between progesterone and the uterine cytoplasmic receptor. Seeley DH, et al. **Biochim Biophys Acta** 1980 Nov 3;632(4):536–43

Prostaglandins do not affect steroidogenesis and are not being produced in response to LH in chicken granulosa cells. Hertelendy F, et al. **Biol Reprod** 1980 Dec;23(5):918–23

A method to reduce non-specific binding in whole milk progesterone radioimmunoassays. Stevens K, et al. **Br Vet J** 1981 Jan;137(1):17–20

Short-term fluctuations in the concentration of cortisol and progesterone in fetal plasma, maternal plasma, and amniotic and allantoic fluids from sheep during late pregnancy. Challis JR, et al. **Can J Physiol Pharmacol** 1981 Mar; 59(3):261–7

Autoradiographic studies on the fetal and newborn uteri of the guinea pig after injection of 3H-progesterone into non-treated and into estradiol-primed animals. Tardy J, et al. **Cell Tissue Res** 1980;213(2):213–20

Specific tissue metabolism of progesterone in vivo in the anesthetized female rhesus monkey during the follicular and luteal phases of the menstrual cycle. Billiar RB, et al. **Endocrinology** 1981 May;108(5):1643–8

The transfer of progesterone in the ovarian vascular pedicle of the sheep. Einer-Jensen N, et al. **Endocrinology** 1981 Sep;109(3):685–90

Follicular steroidogenesis and gonadotropin binding to ovine follicles during the estrous cycle. England BG, et al. **Endocrinology** 1981 Sep;109(3):881–7

Tissue metabolism of estrogens in the female rhesus monkey. Longcope C, et al. **Endocrinology** 1981 Aug;109(2):392–6

Progesterone metabolism by the hypothalamus, pituitary, and uterus of the rat during pregnancy. Marrone BL, et al. **Endocrinology** 1981 Jul;109(1):41–5

Unbound progesterone receptors are in equilibrium between the nucleus and cytoplasm in cells of the rat uterus. Sheridan PJ, et al. **Endocrinology** 1981 Apr;108(4):1533–7

Circannual rhythms in steroid receptor concentration and nuclear binding in the chick oviduct. Spelsberg TC, et al. **Endocrinology** 1980 Oct;107(4):1234–44

Sertoli cell capacity to metabolize progesterone: variation with age and the effect of follicle-stimulating hormone. Tilbe KS, et al. **Endocrinology** 1981 Feb;108(2):597–604

Effect of oophorectomy on progesterone metabolism in DMBA-induced mammary tumours of the rat. Mori M, et al. **Eur J Cancer** 1980 Oct;16(10):1373–5

Evidence for an unusual multifunctional protoreceptor in hormone action. Agarwal MK, et al. **Experientia** 1980 Aug 15;36(8):1010–2

A comparison of progesterone and R5020 binding in endometrium, ovary, pituitary, and hypothalamus. Jacobs BR, et al. **Fertil Steril** 1981 Apr;35(4):438–41

Progesterone binding to lymphocytes–cause for transient loss of HLA antigens in women? Májský A, et al. **Folia Haematol (Leipz)** 1980;107(2):208–12

Steroid biosynthesis by the ovary of the hagfish Myxine glutinosa. Kime DE, et al. **Gen Comp Endocrinol** 1980 Sep; 42(1):71–5

Metabolism of testosterone and progesterone by gastrointestinal tissues of the pike (Esox lucius). Nienstedt W, et al. **Gen Comp Endocrinol** 1981 Feb;43(2):148–56

Progesterone and estrone levels in the ovaries, pyloric ceca, and perivisceral fluid during the annual reproductive cycle of starfish, Asterias rubens. Schoenmakers HJ, et al. **Gen Comp Endocrinol** 1981 Jan;43(1):63–70

In vitro biosynthesis of steroids from progesterone by the ovaries and pyloric ceca of the starfish Asterias rubens. Schoenmarkers HJ, et al. **Gen Comp Endocrinol** 1980 Jul; 41(3):408–16

Fungal transformation of pregnenolone & progesterone with the marine fungus Cladosporium herbarum. Namboori K, et al. **Indian J Biochem Biophys** 1980 Apr;17(2):149–52

Effect of copper-IUD on estrogen & progesterone level in the rat uterus & serum. Ghosh M, et al. **Indian J Exp Biol** 1980 Aug;18(8):916–7

Patterns of transfer of tritiated progesterone into blood & cerebrospinal fluid of rhesus monkeys following diverse methods of administration. Sehgal A, et al. **Indian J Exp Biol** 1980 Jul;18(7):707–8

Effect of clomiphene citrate on testicular steroid metabolism in man. Carlström K, et al. **Int J Androl** 1980 Aug; 3(4):417–28

Direct stimulation of ovarian progesterone-metabolizing enzyme by gonadotropin-releasing hormone in cultured granulosa cells. Jones PB, et al. **J Biol Chem** 1981 Feb 10;256(3):1248–54

Biochemical characterization of peritoneal fluid in women during the menstrual cycle. Koninckx PR, et al. **J Clin Endocrinol Metab** 1980 Dec;51(6):1239–44

Binding of steroids by proteins in follicular fluid of the human ovary. Martin B, et al. **J Clin Endocrinol Metab** 1981 Aug; 53(2):443–7

Deoxycorticosterone biosynthesis from progesterone in kidney tissue of the human fetus. Winkel CA, et al. **J Clin Endocrinol Metab** 1981 Jul;53(1):10–5

Corticosteroids and progesterone in amniotic fluid and maternal plasma of the rat and their relation to parturition. Martin CE, et al. **J Dev Physiol** 1980 Feb-Apr;2(1-2):1–9

Conversion of [4-14C]progesterone to androstenedione in vitro by thecal tissue from the ovary of the domestic fowl (Gallus domesticus). Llewelyn CA. **J Endocrinol** 1981 May; 89(2):283–8

Conversion of progesterone to 5 alpha- and 5 beta-reduced metabolites in the hen and its potential role in the induction of the preovulatory release of luteinizing hormone. Sharp PJ, et al. **J Endocrinol** 1980 Sep;86(3):459–64

Effects of an antiserum to luteinizing hormone and steroid replacement therapy on maintenance of pregnancy in the rat: serum and luteal levels of progesterone, testosterone and oestradiol. Terranova PF, et al. **J Endocrinol** 1981 Jul; 90(1):9–18

Fate of progesterone in the plasma and various tissues of anaesthetized rabbits. Verma U, et al. **J Endocrinol** 1981 Feb;88(2):225–32

A rapid measurement of delta 5-3 beta-hydroxysteroid dehydrogenase activity coupled with delta 4-delta 5 isomerase by a high pressure liquid chromatography. Suzuki K, et al. **J Endocrinol Invest** 1980 Oct-Dec; 3(4):441–4

Nasal absorption of natural contraceptive steroids in rats-progesterone absorption. Hussain AA, et al. **J Pharm Sci** 1981 Apr;70(4):466–7

Effect of ovine LH on the progesterone content of the granulosa cells in preovulatory follicles of the domestic fowl (Gallus Domesticus). Culbert J, et al. **J Reprod Fertil** 1980 Mar;58(2):449–53

Steroid concentrations in rabbit oviducal fluid during oestrus and pseudopregnancy. Richardson LL, et al. **J Reprod Fertil** 1981 Jul;62(2):427–31

Progesterone metabolism during embryonic diapause in the tammar wallaby, Macropus eugenii. Sernia C, et al. **J Reprod Fertil** 1980 Sep;60(1):139–47

Metabolism of testosterone and progesterone by liver homogenates of the seawater turtle (Chelonia mydas mydas) in vitro. Breuer H, et al. **J Steroid Biochem** 1981 Jun;14(7):631–9

Aspects of steroid metabolism in the normal and neoplastic mammary gland of the bitch. d'Arville CN, et al. **J Steroid Biochem** 1980 Dec;13(12):1407–11

Identification of sex steroids secreted by cultured rat ovarian cells in defined medium. Dawson WE, et al. **J Steroid Biochem** 1981 Apr;14(4):357–62

Inhibition of HCG-induced cyclic AMP accumulation and steroidogenesis in rat luteal cells by an LHRH agonist. Massicotte J, et al. **J Steroid Biochem** 1981 Mar; 14(3):239–42

Metabolism of progesterone, 17-hydroxyprogesterone and deoxycorticosterone by human small intestine in vitro. Nienstedt W, et al. **J Steroid Biochem** 1980 Dec; 13(12):1417–20

Analysis of metabolites of progesterone in bovine liver, kidney, kidney fat, and milk by high performance liquid chromatography. Purdy RH, et al. **J Steroid Biochem** 1980 Nov;13(11):1307–15

Influence of chemical modifications of amino acid side chains on the binding or progesterone to uteroglobin. Saavedra A, et al. **J Steroid Biochem** 1980 Nov;13(11):1347–53

Progesterone, 5 alpha-dihydroprogesterone and R5020 binding in female rat anterior pituitary. Schenborn ET, et al. **J Steroid Biochem** 1981 Jun;14(6):523–31

Influence of the substituents at C11 on hydroxylation at C6 of C21-steroids by Syncephalastrum racemosum. Sen R, et al. **J Steroid Biochem** 1981 Mar;14(3):307–9

C-21- and 6-hydroxylation of progesterone by detergent solubilised hepatic microsomal fractions. Senciall IR, et al.

J Steroid Biochem 1981 Mar;14(3):281–4

Role of corticosteroid-binding globulin in interaction of corticosterone with uterine and brain progesterone receptors. Al-Khouri H, et al. **Nature** 1980 Sep 4; 287(5777):58–60

In situ subcellular distribution and metabolism of progesterone, estradiol and androstenedione in the vascularly separated and isolated hypothalamus of the female rhesus monkey. Billiar RB, et al. **Neuroendocrinology** 1981 Jun;32(6):355–63

Placental concentrations of progesterone, estradiol-17 beta, and cyclic AMP at delivery. Lahav M, et al. **Obstet Gynecol** 1980 Nov;56(5):616–20

Deoxycorticosterone biosynthesis in human kidney: potential for formation of a potent mineralocorticosteroid in its site of action. Winkel CA, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7069–73

Gestational changes in the progesterone and prostaglandin F levels of the guinea-pig. Csapo AI, et al. **Prostaglandins** 1981 Jan;21(1):53–64

Progestogens and mammary tumours in the beagle bitch. Briggs MH. **Res Vet Sci** 1980 Mar;28(2):199–202

Comparison of plasma corticosterone- and progesterone-binding activity in rat and human. Calvano SE, et al. **Steroids** 1980 Sep;36(3):355–63

Altered metabolism of progesterone by hepatic microsomes from rats following dietary exposure to polybrominated biphenyls. Arnerić SP, et al. **Toxicol Appl Pharmacol** 1980 Jun 30;54(2):187–96

Study on the role of maternal sex steroid production and metabolism in the embryotoxicity of para-xylene. Ungváry G, et al. **Toxicology** 1981;19(3):263–8

[Sterol hormone content in the blood and ovarian follicles of cattle during the estrous cycle] Bamberg E, et al. **Zentralbl Veterinaermed [A]** 1980 May;27(3):186–94 (Eng. Abstr.) **(Ger)**

[Cellular heterogeneity of steroid reactivity in human endometrial carcinoma: an approach by an immunofluorescent steroid-antibody technique (author's transl)] Kato Y, et al. **Acta Obstet Gynaecol Jpn** 1980 Dec; 32(12):2007–16 (Eng. Abstr.) **(Jpn)**

[Immunofluorescent analysis of intracellular localization of estrogen and progesterone in normal human endometrial cells (author's transl)] Kato Y, et al. **Acta Obstet Gynaecol Jpn** 1980 Dec;32(12):1999–2006 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Influence of phenobarbital, chlorpromazine, progesterone and phenylbutazone on the biliary cholesterol excretion in rats. Barth A, et al. **Acta Biol Med Ger** 1980; 39(11–12):1217–26

Endometrial cholinergic secretory responses during estrous cycle, pregnancy and after estrogen and/or progesterone treatment of the guinea-pig. Hammarström M. **Acta Physiol Scand** 1980 Nov;110(3):233–40

Maintenance of gonadotrophs in pituitary autografts under the kidney capsules of female rats given sex hormones or LRH. Shino M, et al. **Am J Anat** 1980 Aug;158(4):433–444

Modulation of protein expression in endometrial adenocarcinoma cells by in vitro exposure to estradiol and progesterone. O'Brien TJ, et al. **Am J Obstet Gynecol** 1981 Jan;139(1):67–72

Effects of oral contraceptive steroids on the thickness of human cornea. Soni PS. **Am J Optom Physiol Opt** 1980 Nov;57(11):825–34

Effects of ovarian steroids and pregnancy on adrenergic nerves of uterus and oviduct. Marshall JM. **Am J Physiol** 1981 May;240(5):C165–74 (83 ref.)

Interaction of estradiol and progesterone: effects on circadian locomotor rhythm of female golden hamsters. Takahashi JS, et al. **Am J Physiol** 1980 Nov;239(5):R497–504

Object Investigation by the oestrous rat and guinea-pig: the oestrous cycle and the effects of oestrogen and progesterone. Birke LI. **Anim Behav** 1979 May;27(Pt 2):350–8

Inhibition of testosterone metabolism and lipogenesis in animal sebaceous glands by progesterone. Girard J, et al. **Arch Dermatol Res** 1980;269(3):281–90

Inhibitory effect of progesterone on follicular growth and induced superovulation in the rat. Fukuda M, et al. **Arch Gynecol** 1980;230(1):77–87

Early changes in rabbit uterine progesterone receptor concentrations and uteroglobin synthesis after progesterone administration. Torkkeli T. **Biochem Biophys Res Commun** 1980 Nov 28;97(2):559–65

Anti-inflammatory action of progesterone and its possible mode of action in rats. Nakagawa H, et al. **Biochem Pharmacol** 1981 Mar 15;30(6):639–44

Enzymatic sulfation of steroids. X. Pharmacological progesterone effects on rat liver glucocorticoid sulfotransferases and brief study of short-term effects of hormonal steroids on the enzymes. Singer SS, et al. **Biochem Pharmacol** 1980 Dec 1;29(23):3181–8

Differential effects of estradiol-17 beta and progesterone on the proliferation of glandular and luminal cells of rabbit uterine epithelium. Conti CJ, et al. **Biol Reprod** 1981 Apr; 24(3):643–8

Effects of estradiol-17 beta and progesterone on endothelial cell morphology of ovine uterine arteries. Ford SP, et al. **Biol Reprod** 1980 Aug;23(1):135–42

Effect of ovulation and estrogen and progesterone on mechanical properties of smooth muscle of rabbit oviduct. Hodgson BJ, et al. **Biol Reprod** 1980 Jun;22(5):1160–7

Hypothalamo-hypophyseal sensitivity to hormones in the hen. I. Plasma concentrations of LH, progesterone, and testosterone in response to central injections of progesterone and R5020. Johnson AL, et al. **Biol Reprod** 1980 Dec;23(5):910–7

Importance of estradiol and progesterone in regulating LH secretion and estrous behavior during the sheep estrous cycle. Karsch FJ, et al. **Biol Reprod** 1980 Sep;23(2):404–13

Mechanism by which progesterone shortens the estrous cycle of the ewe. Ottobre JS, et al. **Biol Reprod** 1980 Dec; 23(5):1046–53

Effects of physiological levels of estradiol-17 beta and progesterone on oviduct edema and ovum transport in the rabbit. Overström EW, et al. **Biol Reprod** 1980 Aug; 23(1):100–10

Hormonal control of testosterone secretion by the fetal rat testis in organ culture. Paz GF, et al. **Biol Reprod** 1980 Dec;23(5):1087–95

Lysosomal apparatus in uterine muscle: effects of estrogen and of ovariectomy. Sloane BF. **Biol Reprod** 1980 Nov; 23(4):867–76

Negative feedback effects of ovarian steroids in the chronically ovariectomized hamster. Vomachka AJ, et al. **Biol Reprod** 1980 Jun;22(5):1127–35

Effects of estradiol and progesterone on plasma gonadotropins, prolactin, and LHRH in specific brain areas of ovariectomized rats. Wise PM, et al. **Biol Reprod** 1981 May;24(4):820–30

Hormonal control of pyridine nucleotide activity in the uterus: a model for progestational differentiation. Yochim JM, et al. **Biol Reprod** 1980 Oct;23(3):595–605

A method for the evaluation of the local antiandrogenic action of 5 alpha-reductase inhibitors on human skin. Vermorken AJ, et al. **Br J Dermatol** 1980 Jun; 102(6):695–701

Oral progesterone [letter] Whitehead M, et al. **Br Med J [Clin Res]** 1981 May 2;282(6274):1476

The effects of stimulation and lesion of raphe nuclei on luteinizing hormone release in estrogen-progesterone-treated ovariectomized rats. Waloch M, et al. **Brain Res** 1981 Aug 3;217(2):305–13

The effect of female sex hormones on the growth and blood flow in the ovary and oviduct of the domestic fowls. Niezgoda J, et al. **Bull Acad Pol Sci [Biol]** 1979;27(10):873–7

Secretion of a progesterone-induced inhibitor of plasminogen activator by the porcine uterus. Mullins DE, et al. **Cell** 1980 Jul;20(3):865–72

Effects of ovarian hormones on cell membranes in the rat uterus. II. Freeze-fracture studies on tight junctions of the lateral plasma membrane of the luminal epithelium. Murphy CR, et al. **Cell Biophys** 1981 Mar;3(1):57–69

Effects of ovarian hormones on cell membranes in the rat uterus. I. Freeze fracture studies of the apical membrane of the liminal epithelium. Murphy CR, et al. **Cell Biophys** 1979 Jun;1(2):181–93

Induction by progesterone of a sexual dimorphism of estrogen uptake by anterior pituitary cells in situ. Keefer DA. **Cell Tissue Res** 1981;215(1):75–86

Endometrial estrogen and progestin receptors in women bearing a progesterone-releasing intrauterine device. Jänne O, et al. **Contraception** 1980 Jul;22(1):19–23

Progesterone and insulin-resistance in the pregnant rat. I. In vivo and in vitro studies. Sutter-Dub MT, et al. **Diabete Metab** 1981 Jun;7(2):97–104

Effects of steroids on basal and GnRH-induced LH and FSH secretion by dispersed pituitary cells of immature female lambs. Peclaris GM. **Endocrinol Exp (Bratisl)** 1980 Dec; 14(4):258–68

The effect of estrogen on fetal survival in progesterone-treated ovariectomized rats. Tamada H, et al. **Endocrinol Jpn** 1980 Apr;27(2):163–7

Facilitation and inhibition of the estrogen-induced luteinizing hormone surge in the rat by progesterone: effects on cytoplasmic and nuclear estrogen receptors in the hypothalamus-preoptic area, pituitary, and uterus. Attardi B. **Endocrinology** 1981 Apr;108(4):1487–96

Interactions between 17 beta-estradiol and progesterone in the control of luteinizing hormone and follicle-stimulating hormone release in rat anterior pituitary cells in culture. Drouin J, et al. **Endocrinology** 1981 Jan;108(1):52–7

Progesterone action in hamster uterus: rapid inhibition of 3H-estradiol retention by the nuclear fraction. Evans RW, et al. **Endocrinology** 1980 Oct;107(4):1261–3

19-Nor progesterone is a mineralocorticoid agonist. Funder JW, et al. **Endocrinology** 1981 Jul;109(1):313–5

Pulsatile secretion of luteinizing hormone: differential suppression by ovarian steroids. Goodman RL, et al. **Endocrinology** 1980 Nov;107(5):1286–90

Strength and duration characteristics of the facilitory and inhibitory effects of progesterone on the estrogen-induced gonadotropin surge in the female rhesus monkey. Helmond FA, et al. **Endocrinology** 1981 May;108(5):1837–42

Replenishment and properties of cytosol progesterone receptor in rabbit uterus after multiple progesterone administrations. Isotalo H, et al. **Endocrinology** 1981 Mar; 108(3):868–73

Evidence for noradrenergic mediation of opioid effects on luteinizing hormone secretion. Kalra SP, et al. **Endocrinology** 1981 Sep;109(3):776–82

Progesterone-induced changes in hypothalamic luteinizing hormone-releasing hormone and catecholamines: differential effects of pentobarbital. Kalra SP, et al. **Endocrinology** 1981 Apr;108(4):1299–304

The effects of 17 beta-estradiol and progesterone on the metabolism of free fatty acid by perfused livers from normal female and ovariectomized rats. Kenagy R, et al. **Endocrinology** 1981 May;108(5):1613–21

Electrical stimulation of mesencephalic noradrenergic pathway: effects on luteinizing hormone levels in blood of ovariectomized and ovariectomized, steroid-primed rats. Leung PC, et al. **Endocrinology** 1981 Sep;109(3):720–8

In vivo release of luteinizing hormone-releasing hormone estimated with push-pull cannulae from the mediobasal hypothalami of ovariectomized, steroid-primed rats. Levine JE, et al. **Endocrinology** 1980 Dec;107(6):1782–90

The induction of alpha-lactalbumin in rat mammary explants in the absence of exogenous prolactin: effects of progesterone and estrogen. Nicholas KR, et al. **Endocrinology** 1981 Sep;109(3):978–80

Progesterone-independent avidin in chick oviduct fibroblast culture. Nordback I, et al. **Endocrinology** 1981 Aug; 109(2):596–601

Studies of the decline of uteroglobin synthesis and secretion in the rabbit uterus during the continued presence of circulating progesterone. Rahman SS, et al. **Endocrinology** 1981 Jun;108(6):2222–7

Negative feedback effects of progesterone correlated with changes in hypothalamic norepinephrine and dopamine turnover rates, median eminence luteinizing hormone-releasing hormone, and peripheral plasma gonadotropins. Rance N, et al. **Endocrinology** 1981 Jun; 108(6):2194–9

The differential effect of progesterone on concentrations of luteinizing hormone and follicle-stimulating hormone in heifers. Roche JF, et al. **Endocrinology** 1981 Feb; 108(2):568–72

Acute effects of exogenous progesterone on follicular steroidogenesis in the cyclic rat. Taya K, et al. **Endocrinology** 1981 Jun;108(6):2324–35

Acute progesterone and 17 beta-estradiol modulation of luteinizing hormone secretion by pituitaries of cycling rats superfused in vitro. Turgeon JL, et al. **Endocrinology** 1981 Feb;108(2):413–9

Estrogens and progesterone increase fetal and maternal guanylate cyclase activity. Vesely DL, et al. **Endocrinology** 1980 Dec;107(6):2104–9

Sugar and amino acid transport from the rat uterine lumen: effects of estrogen and progesterone. Walters MR, et al. **Endocrinology** 1981 May;108(5):1915–9

Effects of estradiol and progesterone on catecholamine turnover rates in discrete hypothalamic regions in ovariectomized rats. Wise PM, et al. **Endocrinology** 1981 Jun;108(6):2186–93

Role of progesterone and glucocorticoids in the transcription of the beta-casein and 28-S ribosomal genes in the rabbit mammary gland. Teyssot B, et al. **Eur J Biochem** 1981 Mar;114(3):597–608

Oestrogen and progesterone change the binding characteristics of alpha-adrenergic and serotonin receptors on rabbit platelets. Elliott JM, et al. **Eur J Pharmacol** 1980 Aug 22;66(1):21–30

Progesterone stimulates energy-dependent contraction of swollen heart mitochondria. Jung DW, et al. **Experientia** 1981 Mar 15;37(3):237–8

Modifications in oocyte protein synthesis induced by progesterone in Xenopus laevis. Younglai E, et al. **FEBS Lett** 1981 May 18;127(2):233–6

Hormonal effects on the number of binuclear cells in the growing rat liver. Myśliwski A, et al. **Folia Morphol (Warsz)** 1981;39(3):355–62

Effect of exogenous estradiol-17beta on plasma vitellogenin levels in male and female Chrysemys and its modulation by testosterone and progesterone. Ho SM, et al. **Gen Comp Endocrinol** 1981 Apr;43(4):413–21

Avidin induction by estrogen and progesterone in the immature oviduct of chicken, Japanese Quail, duck, and gull. Korpela JK, et al. **Gen Comp Endocrinol** 1981 Jun; 44(2):230–2

Steroid-induced synthesis of vitellogenin in the catfish, Heteropneustes fossilis (Bloch). Sundararaj BI, et al. **Gen Comp Endocrinol** 1981 Feb;43(2):201–10

Oogenesis in Fundulus heteroclitus. II. The transition from vitellogenesis into maturation. Wallace RA, et al. **Gen Comp Endocrinol** 1980 Nov;42(3):345–54

Vitellogenesis and its hormonal regulation in the pacific hagfish, Eptatretus stouti L. Yu JY, et al. **Gen Comp Endocrinol** 1981 Apr;43(4):492–502

Progesterone antagonizes insulin effect: in vivo and in vitro studies. Sutter-Dub MT, et al. **Horm Metab Res** 1981 Apr; 13(4):241–2

Insulin-resistance during pregnancy and progesterone treatment in the rat. Sutter-Dub MT, et al. **Horm Metab Res** 1981 Mar;13(3):182

Influence of hormones on testicular lipids of adult rats. Sheriff DS. **Horm Res** 1980;13(3):165–73

Effect of steroid hormones on the levels of serum calcium cholesterol & glucose in the Indian bullfrog Rana tigerina (Daud) during pre-spawning period. Reddy SV, et al. **Indian J Exp Biol** 1980 Jul;18(7):740–1

Human sex hormones stimulate the growth and maturation of Coccidioides immitis. Drutz DJ, et al. **Infect Immun** 1981 May;32(2):897–907

Progressive hyperplastic lesions of the bladder uroepithelium after hormone stimulation in Nb rats. Noble RL. **Invest Urol** 1981 Mar;18(5):387–91

Morphometric studies of the response of the luminal epithelium in the rat uterus to exogenous hormones. Williams T, et al. **J Anat** 1980 Jun;130(4):867–81

Effect of exogenous progesterone on time of occurrence of the LH surge in heifers. Roche JF, et al. **J Anim Sci** 1981 Mar;52(3):580–6

Mechanism of action of progesterone in the rabbit endometrium. Induction of uteroglobin and its messenger RNA. Loosfelt H, et al. **J Biol Chem** 1981 Apr 10; 256(7):3465–70

Steroid hormone regulation of ovalbumin and conalbumin gene transcription. A model based upon multiple regulatory sites and intermediary proteins. Palmiter RD, et al. **J Biol Chem** 1981 Aug 10;256(15):7910–6

Regulation of gene transcription by estrogen and progesterone. Lack of hormonal effects on transcription by Escherichia coli RNA polymerase. Palmiter RD, et al. **J Biol Chem** 1980 Oct 25;255(20):9693–8

Progesterone inhibits adenylate cyclase in Xenopus oocytes. Action on the guanine nucleotide regulatory protein. Sadler SE, et al. **J Biol Chem** 1981 Jun 25;256(12):6368–73

Cholesterol metabolism in human cancer cells in monolayer culture. V. The effect of progesterone on the regulation of 3-hydroxy-3-methylglutaryl coenzyme A reductase activity by low density lipoprotein. Gal D, et al. **J Clin Endocrinol Metab** 1981 Jul;53(1):29–33

Positive feedback effect of progesterone on luteinizing hormone (LH) release in cyclic female rhesus monkeys: LH response occurs in two phases. Terasawa E, et al. **J Clin Endocrinol Metab** 1980 Dec;51(6):1245–50

Stimulation of arylsulfotransferase activity by progestins in human endometrium in vitro. Tseng L, et al. **J Clin Endocrinol Metab** 1981 Aug;53(2):418–21

Inhibition of lordosis in rats by the antiestrogen CI-628 in the absence of progesterone. Landau IT. **J Comp Physiol Psychol** 1981 Apr;95(2):270–7

Effect of progesterone on the secretion and peripheral action of insulin and glucagon in the intact rat. Ashby JP, et al. **J Endocrinol** 1981 Jan;88(1):49–55

Effects of testosterone, pregnenolone, progesterone and cortisol on pituitary and testicular function in male golden hamsters with gonadal atrophy induced by short photoperiods. Bartke A, et al. **J Endocrinol** 1981 Jul; 90(1):97–102

Effects of oestradiol and progesterone on the concentration of alpha 2-macroglobulin in the sera of injured male and female rats. Bell SC. **J Endocrinol** 1980 Jul;86(1):189–91

Steroidal interactions in the regulation of maternal behaviour in virgin female rats: effects of testosterone, dihydrotestosterone, oestradiol, progesterone and the aromatase inhibitor, 1,4,6-androstatriene-3,17-dione. Bridges RS, et al. **J Endocrinol** 1981 Jul;90(1):31–40

Cell replication in the islets of langerhans of adult rats: effects of pregnancy, ovariectomy and treatment with steroid hormones. Green IC, et al. **J Endocrinol** 1981 Feb; 88(2):219–24

Hydrogen peroxide formation in the rat uterus under hormone-induced conditions. Johri RK, et al. **J Endocrinol** 1980 Sep;86(3):477–81

Effect of anaesthesia on the negative feedback action of gonadal steroids on gonadotrophin secretion in the ovariectomized guinea-pig. Kilpatrick MJ, et al. **J Endocrinol** 1981 Apr;89(1):167–77

Early inhibition by progesterone of oestrogen-induced ornithine decarboxylase activity in the chick oviduct and rat uterus. Levy C, et al. **J Endocrinol** 1981 Jul;90(1):1–7

Relative contributions of oestradiol and progesterone to the maintenance of sexual receptivity in mated female hamsters. Lisk RD, et al. **J Endocrinol** 1980 Nov;87(2):175–83

Effect of progesterone on lipid metabolism in the intact rat. Shirling D, et al. **J Endocrinol** 1981 Aug;90(2):285–94

Evidence that progesterone does not inhibit the induction of sexual receptivity by oestradiol-17 beta in the rat. Södersten P, et al. **J Endocrinol** 1981 Apr;89(1):63–9

Progesterone and insulin-resistance: studies of progesterone action on glucose transport, lipogenesis and lipolysis in isolated fat cells of the female rat. Sutter-Dub MT, et al. **J Endocrinol** 1981 Mar;88(3):455–62

Variations in plasma concentrations of alpha-melanocyte-stimulating hormone during the oestrous cycle of the rat and after administration of ovarian steroids. Thody AJ, et al. **J Endocrinol** 1981 Jan;88(1):73–80

Effects of progesterone and its interaction with oestradiol in hypothalamic and raphe nuclei on luteinizing hormone in plasma. Wandscheer DE, et al. **J Endocrinol** 1980 Aug; 86(2):311–7

Alteration of annulate lamellae in the in vitro progesterone-treated, full-grown Rana pipiens oocyte. Kessel RG, et al. **J Exp Zool** 1981 Jul;217(1):119–35

Intelligence and prenatal progesterone [letter] Dalton K. **J R Soc Med** 1979 Dec;72(12):951–2

Intelligence and prenatal progesterone: a reappraisal [editorial] Dalton K. **J R Soc Med** 1979 Jun;72(6):397–9

Intelligence and prenatal progesterone [letter] Meyer-Bahlburg HF. **J R Soc Med** 1979 Nov;72(11):878

Progesterone-induced secretion of a retinol-binding protein in the pig uterus. Adams KL, et al. **J Reprod Fertil** 1981 May;62(1):39–47

Plasma hormone levels and reproductive behaviour in anoestrous ewes after treatment with progesterone and PMSG. Cunningham NF, et al. **J Reprod Fertil** 1980 Sep; 60(1):177–85

Lysis of the zona pellucida and attachment of embryos to the uterine epithelium in ovariectomized mice treated with oestradiol-17 beta and progesterone. Hoversland RC, et al. **J Reprod Fertil** 1981 May;62(1):111–6

Chorionic surface area in conceptuses from sows treated with progesterone and oestrogen during early pregnancy. McGovern PT, et al. **J Reprod Fertil** 1981 Mar; 61(2):439–42

Regulation of collagen dissolution in the human cervix by oestradiol-17 beta and progesterone. Wallis RM, et al. **J Reprod Fertil** 1981 May;62(1):55–61

Assessment of the progestagenic and oestrogenic activity of compounds by their effect on implantation in rats with diapausing embryos. Cochrane RL, et al. **J Reprod Fertil [Suppl]** 1981;29:187–90

Lack of suppression of lymphocyte MIF production by estradiol, progesterone and human chorionic gonadotropin. Kitzmiller JL, et al. **J Reprod Immunol** 1980 Feb; 1(5–6):297–306

Influence of progesterone and pregnancy on canine fibrinogen values. Gentry PA, et al. **J Small Anim Pract** 1981 Apr;22(4):185–94

Inducibility of Cytochrome P-450 and of NADPH-cytochrome C reductase in progesterone treated filamentous fungi Rhizopus nigricans and Rhizopus arrhizus. Breskvar K, et al. **J Steroid Biochem** 1981 Apr; 14(4):395–9

Effect of sex steroids on rat endometrial epithelium and stroma cultured separately. Casimiri V, et al. **J Steroid Biochem** 1980 Jan;12:293–8

Avidin induction in the chick oviduct by progesterone and non-hormonal treatments. Elo HA, et al. **J Steroid Biochem** 1980 Jan;12:279–81

Indirect involvement of glucocorticoids in the dibutyryl cyclic AMP-induction of tyrosine aminotransferase in cultured rat liver cells: analysis using gonadal anti-glucocorticoids. Hoshino J, et al. **J Steroid Biochem** 1981 Feb;14(2):149–54

Studies on the antiglucocorticoid action of 11-deoxysteroids in rat thymocytes: discrepancies between in vivo and in vitro effects. Kaiser N, et al. **J Steroid Biochem** 1980 Jul; 13(7):729–32

Sex steroids interact with dopamine at the hypothalamic and pituitary levels to modulate prolactin secretion. Labrie F, et al. **J Steroid Biochem** 1980 Jan;12:323–30

Progesterone and dexamethasone antagonism of uterine growth: a role for a second nuclear binding site for estradiol in estrogen action. Markaverich BM, et al. **J Steroid Biochem** 1981 Feb;14(2):125–32

Progesterone-dependent ovidin induction in chick oviduct culture. Niemelä AO, et al. **J Steroid Biochem** 1980 Jan; 12:287–92

Avidin synthesis in vitro by chick oviduct after a short induction with progesterone or actinomycin D in vivo. Nordback I, et al. **J Steroid Biochem** 1980 Jan;12:283–6

Sequential steroid hormone treatment antagonizes the action of estrogen in chick oviduct. Seaver SS, et al. **J Steroid Biochem** 1980 Nov;13(11):1269–76

Cellular aspects of the rat uterine IgA response to estradiol and progesterone. Wira CR, et al. **J Steroid Biochem** 1980 Jan;12:451–9

Progesterone-stimulated growth of mammary carcinomas induced by 7,12-dimethylbenz[a]anthracene in neonatally androgenized rats. Yoshida H, et al. **JNCI** 1980 Oct; 65(4):823–8

Some novel effects of progesterone. Qayum A, et al. **JPMA** 1981 Mar;31(3):68–71 (32 ref.)

Adrenal steroids and extinction behavior: antagonism by progesterone, deoxycorticosterone and dexamethasone of a specific effect of corticosterone. Bohus B, et al. **Life Sci** 1981 Jan 26;28(4):433–40

Differential inhibition of regional gastrointestinal tissue to progesterone in the rat. Bruce LA, et al. **Life Sci** 1980 Aug 4;27(5):427–34

Hormonal control of uteroglobin secretion and preuteroglobin mRNA content in rabbit endometrium. Heins B, et al. **Mol Cell Endocrinol** 1981 Feb;21(2):139–50

Role of steroid hormones and prostaglandins in the regulation of DNA synthesis by decidual cells in culture. Peleg S, et al. **Mol Cell Endocrinol** 1980 Dec;20(3):209–18

Uteroglobin mRNA activity and levels of nuclear progesterone receptor in endometrium. Young CE, et al. **Mol Cell Endocrinol** 1980 Dec;20(3):219–26

Progesterone inhibits membrane-bound adenylate cyclase in Xenopus laevis oocytes. Finidori-Lepicard J, et al. **Nature** 1981 Jul 16;292(5820):255–7

Intralimbic progesterone and methysergide facilitate lordotic behavior in estrogen-primed female rats. Franck JA, et al. **Neuroendocrinology** 1981 Jan;32(1):50–6

Hetero-transplantation of human endometrial carcinoma into nude mouse. Effects of sex steroid hormones on morphological aspects of undifferentiated adenocarcinoma cells. Tohtake T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Oct; 32(10):1637–44

Feedback effects of estradiol and progesterone upon gonadotropin and prolactin release. March CM, et al. **Obstet Gynecol** 1981 Jul;58(1):10–6

Effect of progesterone on the estrous activity cycle of the rat. Axelson JF, et al. **Physiol Behav** 1981 Apr;26(4):631–5

Progesterone, estradiol, testosterone and dihydrotestosterone: effects on rate of extinction of a conditioned taste aversion in rats. Chambers KC. **Physiol Behav** 1980 Jun;24(6):1061–5

Ovarian influences on primate food intake: assessment of progesterone actions. Czaja JA. **Physiol Behav** 1978 DEC; 21(6):923–8

Progesterone-induced mating behavior in rats on the day following spontaneous heat. Dudley CA, et al. **Physiol Behav** 1980 Nov;25(5):759–62

Effects of neonatal exposure to progesterone in sexual behavior of male and female rats. Hull EM. **Physiol Behav** 1981 Mar;26(3):401–5

Effects of the menstrual cycle, social grouping, and exogenous progesterone on heterosexual interaction in laboratory housed stumptail macaques (M. arctoides). Slob AK, et al. **Physiol Behav** 1978 DEC;21(6):915–21

Effects of progesterone on developing chick embryos. Renden JA, et al. **Poult Sci** 1980 Nov;59(11):2559–63

Progesterone inhibition of uterine nuclear estrogen receptor: dependence on RNA and protein synthesis. Evans RW, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):5856–60

Estrogen and progesterone affect electrically induced release of Luteinizing hormone and prolactin in macaques. Jackson GL, et al. **Proc Soc Exp Biol Med** 1981 Jun;167(2):194–200

Long-term effects of neonatal administration of estrogen and progesterone, alone or in combination, on male BALB/c and BALB/cfC3H mice. Jones LA. **Proc Soc Exp Biol Med** 1980 Oct;165(1):17–25

Antifertility activity of DMA in hamsters: protection with a luteotropic complex. Miller WL, et al. **Proc Soc Exp Biol Med** 1981 Feb;166(2):199–204

Prostaglandin production by the progesterone-dominated sheep uterus. Alwachi SN, et al. **Prostaglandins Med** 1981 Jun;6(6):571–6

The effects of progesterone on glucose and lactate metabolism in ovariectomized sheep. Samad AR, et al. **Q J Exp Physiol** 1981 Jan;66(1):73–80

Influence of sex hormones on the subcellular distribution of copper in sheep liver. Russanov E, et al. **Res Vet Sci** 1981 Mar;30(2):223–5

Imipramine: effect of ovarian steroids on modifications in serotonin receptor binding. Kendall DA, et al. **Science** 1981 Mar 13;211(4487):1183–5

Progesterone regulation of estrogen receptor in the rat uterus: a primary inhibitory influence on the nuclear fraction. Okulicz WC, et al. **Steroids** 1981 Apr;37(4):463–70

Effect of estradiol and progesterone on glucosamine 6-phosphate synthase in the uterus of rat. Rukmini V, et al. **Steroids** 1981 May;37(5):573–9

Collagen synthesis in granulation tissue formed in rats treated with female sex hormones. Hagberg L, et al. **Surg Gynecol Obstet** 1980 Dec;151(6):740–6

Progesterone effect on the biosynthesis of glycoconjugates, specifically of sulfated glycoprotein, in the endometrium of rabbit uterus. Endo M, et al. **Tohoku J Exp Med** 1980 Oct;132(2):147–52

Hormonal induction of lactation in non-pregnant Awassi ewes II. Milk composition. Aldeen KA, et al. **Zentralbl Veterinaermed [A]** 1980 Jul;27(5):379–84

Hormonal induction of lactation in non-pregnant Awassi ewes I. Lactational performance and oestrous behaviour. Aldeen KA, et al. **Zentralbl Veterinaermed [A]** 1980 Jul; 27(5):372–8

Effect of oestradiol, progesterone or testosterone on adrenocortical activity and on various metabolic parameters in ovariectomized gilts. Dvořák M, et al. **Zentralbl Veterinaermed [A]** 1980;27(9–10):765–74

[Decrease in ovarion 125I-hFSH uptake induced by progesterone administration in immature rats (author's transl)] Presl J, et al. **Cesk Gynekol** 1980 Aug;45(7):477–81 (Eng. Abstr.) **(Cze)**

[The pharmacodynamics of respiratory stimulants (author's transl)] Gay R. **Bull Eur Physiopathol Respir** 1979;15 Suppl:171–82 (55 ref.) (Eng. Abstr.) **(Fre)**

[Intramitochondrial changes in adenocarcinoma cells of the uterine mucosa following progesterone therapy] Szarvas Z. **Morphol Igazsagugyi Orv Sz** 1980 Apr;20(2):81–7 (Eng. Abstr.) **(Hun)**

[Rapid induction of liver cirrhosis in rats by treatment with ethanol, carbon tetrachloride and progesterone] Bellotti S, et al. **Boll Soc Ital Biol Sper** 1980 Apr 15;56(7):666–72 (Eng. Abstr.) **(Ita)**

[Induction of lactation in cattle after short-term hormonal treatment] Manunta G, et al. **Boll Soc Ital Biol Sper** 1981 Jan 30;57(2):172–8 (Eng. Abstr.) **(Ita)**

[Effects of estrogen and progesterone on oxytocin secretion (author's transl)] Ogawa S, et al. **Horumon To Rinsho** 1980 Oct;28(10):1197–200 **(Jpn)**

[Physiological variation of oxytocin in normal females and males: relation of estrogen, progesterone, testosterone and LH-RH to oxytocin secretion (author's transl)] Ogawa S. **Nippon Naibunpi Gakkai Zasshi** 1980 Sep 20;56(9):1182–99 (Eng. Abstr.) **(Jpn)**

[Endometrial content of prostaglandins in IUD-bearing rabbits: the effect of ovarian steroids on changes in endometrial prostaglandins (author's transl)] Tokunaga T. **Nippon Naibunpi Gakkai Zasshi** 1980 Oct 20;56(10):1447–60 (Eng. Abstr.) **(Jpn)**

[Hormonal regulation of estrogen and progesterone receptor biosynthesis in human endometrial tissue culture] Iudaev NA, et al. **Probl Endokrinol (Mosk)** 1980 Sep-Oct;

26(5):29–35 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Some observations concerning the role of progesterone in the control of ovulation. Schuiling GA, et al. **Acta Endocrinol (Copenh)** 1980 Jun;94(2):246–50

Comparison of beta 1- and beta 2-receptor stimulation in oestrogen or progesterone dominated rat uterus. Johansson SR, et al. **Acta Pharmacol Toxicol (Copenh)** 1980 Oct; 47(4):252–8

Cyclic nucleotides do not mediate excitability-suppressing cellular action of progesterone in the rabbit myometrium. Rubányi G. **Acta Physiol Acad Sci Hung** 1980;56(3):325–9

Evidence for a human ovarian progesterone receptor. Jacobs BR, et al. **Am J Obstet Gynecol** 1980 Oct 1;138(3):332–6

Differential effects of progesterone on secretion of gonadotropic hormones in the rhesus monkey. Resko JA, et al. **Am J Physiol** 1981 May;240(5):E489–92

Effects of estradiol and progesterone on food intake, body weight, and carcass adiposity in weanling rats. Schwartz SM, et al. **Am J Physiol** 1981 May;240(5):E499–503

Effects of progesterone withdrawal and estrogen on maternal behavior in nulliparous rats. Doerr HK, et al. **Behav Neural Biol** 1981 May;32(1):35–44

Human uterine luminal fluid proteins associated with secretory phase endometrium: progesterone-induced products? Sylvan PE, et al. **Biol Reprod** 1981 Mar; 24(2):423–9

Sensitivity to endogenous progesterone. Report of a case. Friedman-Birnbaum R, et al. **Dermatologica** 1981; 162(5):391–4

Role of ovarian hormones in the long-term control of glucose homeostasis. Effects of insulin secretion. Bailey CJ, et al. **Diabetologia** 1980 Nov;19(5):475–81

Ovarian hormones, copulatory stimuli, and female sexual behavior in the Mongolian gerbil. McDermott JL, et al. **Horm Behav** 1980 Sep;14(3):211–23

Uterine prostaglandin levels in pregnant ovariectomized rats. Garg SK, et al. **Indian J Med Res** 1981 May;73:782–6

Regulation of Ca2+ and cyclic AMP during the first meiotic division in amphibian oocytes by progesterone. Kostellow AB, et al. **J Cyclic Nucleotide Res** 1980;6(5):347–58

A progesterone-dependent step in ovulation induced by human chorionic gonadotrophin in immature rats primed with pregnant mare serum gonadotrophin. Kohda H, et al. **J Endocrinol** 1980 Oct;87(1):105–7

Role of progesterone in the control of secretion of follicle-stimulating hormone in the immature female rat. Meijs-Roelofs HM, et al. **J Endocrinol** 1981 Apr; 89(1):99–106

Endocrine control of implantation and delayed implantation in rats and mice. Gidley-Baird AA. **J Reprod Fertil [Suppl]** 1981;29:97–109

Interaction of ovarian hormones with normal endometrium and endometrial adenocarcinoma. Gurpide E, et al. **Mt Sinai J Med (NY)** 1980 Jul-Aug;47(4):394–7

The sites of action of ovarian steroids in the regulation of LH secretion. Goodman RL, et al. **Neuroendocrinology** 1981 Jan;32(1):57–63

[Gonado-mammary endocrine physiology] Scarabelli C, et al. **Chir Ital** 1980 Dec;32(6):1464–71 **(Ita)**

[Changes of prostaglandin receptors in myometrium—interaction between steroids and prostaglandins—(author's transl)] Imoto N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Jun;32(6):749–56 (Eng. Abstr.) **(Jpn)**

[Postovulation dermatitis (dermatitis caused by progesterone)] Torras H, et al. **Med Cutan Iber Lat Am** 1980;8(1-3):15–21 (Eng. Abstr.) **(Spa)**

SECRETION

Persistence of progesterone secretion after foetal death induced by vasopressin in rabbits. Wilks JW. **Acta Endocrinol (Copenh)** 1981 Aug;97(4):569–72

Reversal of follicular fluid inhibition of granulosa cell progesterone secretion by manipulation of intracellular cyclic AMP. Ledwitz-Rigby F. **Biol Reprod** 1980 Sep; 23(2):324–30

Hormonal influence on auditory function. Cox JR. **Ear Hear** 1980 Jul-Aug;1(4):219–22

Temporal aspects of the involvement of the uterus and prolactin in the establishment of luteinizing hormones-dependent progesterone secretion in the rat. Garris DR, et al. **Endocrinology** 1980 Oct;107(4):1112–6

Factors controlling proliferation and progesterone production by bovine granulosa cells in serum-free medium. Savion N, et al. **Endocrinology** 1981 Aug; 109(2):409–20

Progesterone and prostaglandin secretion by ovulated rat cumulus cell-oocyte complexes. Schuetz AW, et al. **Endocrinology** 1981 Feb;108(2):457–63

Sex steroids modulate prolactin action in spontaneously luteinizing porcine granulosa cells in vitro. Veldhuis JD, et al. **Endocrinology** 1981 Apr;108(4):1463–8

Stress-induced alterations in secretion of corticosteroids, progesterone, luteinizing hormone, and testosterone in bulls. Welsh TH Jr, et al. **Endocrinology** 1981 Jul; 109(1):185–90

Epimestrol in treatment of inadequate luteal progesterone secretion. Bohnet HG, et al. **Fertil Steril** 1980 Oct; 34(4):346–50

Inhibition of progesterone secretion during the luteal phase by two luteinizing hormone-releasing hormone agonists in Macaca fascicularis. Raynaud JP, et al. **Fertil Steril** 1980 Dec;34(6):593–8

Cessation of progesterone secretion by LH-RH in hypophysectomized pregnant and hypophysectomized, prolactin injected pseudopregnant rats. Macdonald GJ, et al. **Int J Fertil** 1980;25(3):198–202

Effects of [d-Trp6,Pro9-NEt]-LHRH on reproductive functions in the male rat. Rivier C, et al. **Int J Fertil** 1980; 25(3):143–50

Ovarian blood flow and progesterone secretion in the anaesthetized rats at day 16 of gestation, and the effects of haemorrhage. Bruce NW, et al. **J Reprod Fertil** 1981 Mar;61(2):419–23

Progesterone secretion and prostaglandin F release in vitro by endometrial and luteal tissue of cyclic pigs. Guthrie HD, et al. **J Reprod Fertil** 1980 Sep;60(1):157–63

Regulation of progesterone secretion by LH and prolactin during the first half of pregnancy in the mouse. Mednick DL, et al. **J Reprod Fertil** 1980 Sep;60(1):201–7

A dopamine agonist stimulates progesterone secretion from adrenal gland. Kalra SP, et al. **Life Sci** 1981 Mar 30; 28(13):1467–9

Porcine granulosa and cumulus cell properties. LH/hCG receptors, ability to secrete progesterone and ability to respond to LH. Channing CP, et al. **Mol Cell Endocrinol** 1981 Jun;22(3):359–70

Studies of human chorionic gonadotrophin, placental lactogen, and progesterone secretion in vitro. Shutt DA, et al. **Placenta** 1980 Oct-Dec;1(4):355–9

Hormone producing ovarian tumours in the dog. McCandlish IA, et al. **Vet Rec** 1979 Jul 7;105(1):9–11

THERAPEUTIC USE

Progesterone, fluid, and electrolytes in premenstrual syndrome [letter] Dalton K. **Br Med J** 1980 Jul 5; 281(6232):61

Progesterone, fluid, and electrolytes in premenstrual syndrome [letter] Martin AJ, et al. **Br Med J** 1980 Aug 23;281(6239):562–3

Progesterone, fluid, and electrolytes in premenstrual syndrome [letter] Sampson G. **Br Med J** 1980 Jul 19; 281(6234):227–8

Effect of progesterone therapy on the responses of the isolated rat stomach fundus strip preparations to 5-hydroxytryptamine and acetylcholine. Qayum A, et al. **JPMA** 1981 Apr;31(4):84–8

Prenatal 'female hormone' administration and psychosexual development in human males. Kester P, et al. **Psychoneuroendocrinology** 1980 Dec;5(4):269–85

[Diagnosis and therapy of dyshormonal menstruation disorders] Loch Eg. **MMW** 1980 Jun 27;122(26):981–3 **(Ger)**

[Alternative hormonal treatments in mastopathy and mastodynia] Rindt W. **MMW** 1980 Jun 27;122(26):973–4 **(Ger)**

[Evaluation of hormonal treatment of threatened abortion] Skolicki Z. **Folia Med Cracov** 1980;22(1):137–49 (Eng. Abstr.) **(Pol)**

[Effect of progesterone and norethisterone on the DNA content in organ cultures of hyperplastically altered endometrium] Zheleznov BI, et al. **Akush Ginekol (Mosk)** 1981 Apr;(4):31–4 (Eng. Abstr.) **(Rus)**

TOXICITY

Effects of progesterone on normal and preneoplastic mammary development in mice in relation to prolactin and estrogen. Nagasawa H, et al. **Eur J Cancer** 1980 Aug; 16(8):1069–77

Long-term effects of progesterone or diethylstilbestrol with or without estrogen after maturity on mammary tumorigenesis in mice. Nagasawa H, et al. **Eur J Cancer** 1980 Dec;16(12):1583–9

URINE

[Determination of progesterone in urine by a competitive protein binding method (author's transl)] Schön F, et al. **J Clin Chem Clin Biochem** 1980 Jun;18(6):355–61 (Eng. Abstr.) **(Ger)**

PROGESTERONE BINDING GLOBULIN see under **ALPHA GLOBULINS**

PROGESTERONE RECEPTORS see **RECEPTORS, PROGESTERONE**

PROGESTERONE REDUCTASE see under **3-HYDROXYSTEROID DEHYDROGENASES**

PROGESTIN ANALOGS see **PROGESTATIONAL HORMONES, SYNTHETIC**

PROGESTINS see **PROGESTATIONAL HORMONES**

PROGESTINS, SYNTHETIC see **PROGESTATIONAL HORMONES, SYNTHETIC**

PROGLUMIDE see under **GLUTAMINE**

PROGNATHISM

ETIOLOGY

[Progenia in the cleft patient and its causes] Schmidt-Flath I. **Stomatol DDR** 1980 May;30(5):322–8 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Relation of the SNA angle to the saddle angle. Järvinen S. **Am J Orthod** 1980 Dec;78(6):670–3

[Definitive tooth position of 22, 25, 23, 26 and 27 in combination with hypodontia 14, 24 and progenia] Reinecke KP. **Stomatol DDR** 1981;31(1):39–40 **(Ger)**

PHYSIOPATHOLOGY

[Rotation, tilting and mandibular prognathism] Charron C, et al. **Orthod Fr** 1979;50:627–40 (Eng. Abstr.) **(Fre)**

[Participation of the maxilla and mandible in anterior occlusal anomalies] Koźlik D. **Czas Stomatol** 1980 Dec; 33(12):1127–33 (Eng. Abstr.) **(Pol)**

PSYCHOLOGY

[The psychological consequences of prognathism (author's transl)] Tress W, et al. **MMW** 1981 Feb 13;123(7):255–8 (Eng. Abstr.) **(Ger)**

SURGERY

Surgical treatment of facial deformity secondary to acromegaly. Ousterhout DK, et al. **Ann Plast Surg** 1981 Jul;7(1):68–74

Obwegeser II method for correction of mandibular prognathism. Case reports. Takahashi S, et al. **J Maxillofac Surg** 1980 Nov;8(4):288–93

[Surgical correction of mandibular prognathism---a report of 6 cases (author's transl)] Zhang ZK. **Chung Hua Kou Chiang Ko Tsa Chih** 1979;14(3):174–8 **(Chi)**

[Surgical correction of dysgnathism] Roorda LA, et al. **Ned Tijdschr Geneeskd** 1981 May 9;125(19):737–41 (Eng. Abstr.) **(Dut)**

[Aspects of surgical correction of jaw abnormalities] Tuinzing DB, et al. **Ned Tijdschr Geneeskd** 1981 Apr 11; 125(15):589–92 **(Dut)**

[The effect of prognathism surgery on the temporomandibular joint. (A clinical and radiological evaluation of temporomandibular joint changes after various methods of surgery for prognathism)] Ewers R, et al. **Dtsch Zahnaerztl Z** 1980 Jan;35(1):131–33 (Eng. Abstr.) **(Ger)**

[Valuable place of high osteotomy in Bethmann's modification in correcting prognathic bite] Bocher R, et al. **Stomatol DDR** 1980 Jul;30(7):461–9 (Eng. Abstr.) **(Ger)**

[Articular position before and after surgical correction of progenia. Preliminary communication (author's transl)] Wagner U, et al. **Zahn Mund Kieferheilkd** 1980;68(5):457–9 (Eng. Abstr.) **(Ger)**

THERAPY

Treatment of mandibular prognathism [letter] Mace MC. **Br Dent J** 1981 Aug 18;151(4):111

[Evaluation of the results of orthodontic treatment in anomalies of protruding upper incisors] Kaminek M. **Cesk Stomatol** 1980 Sep;80(5):371–9 (Eng. Abstr.) **(Cze)**

[New biomechanical approaches in mandibular correction: geniomolar anchorage (G.M.A.)] Dahan J. **Orthod Fr** 1979; 50:567–90 (Eng. Abstr.) **(Fre)**

[Results of treatment of prognathism by serial tooth extraction] Czarnecka B, et al. **Czas Stomatol** 1980 Mar; 33(3):253–9 (Eng. Abstr.) **(Pol)**

[The value of myotherapy in prognathic occlusal anomalies] Dyras M. **Czas Stomatol** 1980 Apr;33(4):325–31 (Eng. Abstr.) **(Pol)**

[The use of Balter's apparatus in the treatment of prognathic anomalies in preschool children] Juzwa E. **Czas Stomatol** 1980 Apr;33(4):319–24 (Eng. Abstr.) **(Pol)**

[Change in the facial features and the stomatognathic system induced by inclined plane treatment] Przylipiak S. **Czas Stomatol** 1980 Nov;33(11):1029–34 (Eng. Abstr.) **(Pol)**

[Treatment characteristics of prognathic forms of bite] Abolmasov NG, et al. **Stomatologiia (Mosk)** 1981 May-Jun; 60(3):57–60 (Eng. Abstr.) **(Rus)**

PROGNOSIS

Clinical and laboratory profile information in the prediction of death in elderly patients. Hodkinson HM, et al. **Age Ageing** 1981 Feb;10(1):10–3

Prognostic knowledge: interest and methods. Chastang C, et al. **Bull Cancer (Paris)** 1980;67(4):430–6

Evaluation of prognosis [letter] Aalen OO. **Dan Med Bull** 1980 Jul;27(3):167–8

Value of admission profile tests for prognosis in elderly patients. Hodkinson HM. **J Am Geriatr Soc** 1981 May; 29(5):206–10

The application of prognostic criteria in outpatient quality assessment: Control of hypertension. Dove HG, et al. **J Med Syst** 1980;4(1):45–58

The historical development of the concepts of diagnosis and prognosis and their relationship to probabilistic inference. Llewelyn DE, et al. **Med Inf (Lond)** 1980 Oct-Dec; 5(4):267-80

Statistical approaches to clinical predictions [editorial] McNeil BJ, et al. **N Engl J Med** 1981 May 21; 304(21):1292-4

Noninvasive clinical and exercise predictors of sudden cardiac death in men with coronary artery disease. Bruce RA. **Tex Med** 1981 Jun;77(6):55-9

[The physician's information responsibility in the case of unfavorable prognosis] Buchborn E. **Internist (Berlin)** 1981 Mar;22(3):162-70 **(Ger)**

[Prognosis of internal diseases] Buchborn E. **Internist (Berlin)** 1981 Mar;22(3):109-10 **(Ger)**

[Historical models of prognosis in medicine] Eich W, et al. **Internist (Berlin)** 1981 Mar;22(3):118-23 **(Ger)**

[The physician as prognostician] Hartmann F. **Internist (Berlin)** 1981 Mar;22(3):111-7 **(Ger)**

[The prognosis of arterial hypertension and its modification by antihypertensive therapy] Holzgreve H. **Internist (Berlin)** 1981 Mar;22(3):156-61 **(Ger)**

[Prognosis and prognostic parameters as the base of therapeutic decisions in intensive medicine] Jahrmärker H, et al. **Internist (Berlin)** 1981 Mar;22(3):131-49 **(Ger)**

[The significance of prognosis factors in oncology] Nagel GA, et al. **Internist (Berlin)** 1981 Mar;22(3):150-5 **(Ger)**

[Statistical instruments in medical prognosis] Uberla KK, et al. **Internist (Berlin)** 1981 Mar;22(3):124-30 **(Ger)**

[Prognostic and diagnostic value of the exercise test and early coronary anamnesis in patients with myocardial infarct studied in a median term follow-up] Marra S, et al. **G Ital Cardiol** 1980;10(12):1622-33 (Eng. Abstr.) **(Ita)**

PROGRAMMED INSTRUCTION

Programmed instruction: mental status assessment. Cohen S, et al. **Am J Nurs** 1981 Aug;81(8):1493-518

Programmed instruction: controlling diabetes mellitus. Cohen S. **Am J Nurs** 1980 Oct;80(10):1827-50

New concepts in understanding congestive heart failure. Part 1: how the clinical features arise. Programmed instruction. Cohen S. **Am J Nurs** 1981 Jan;81(1):119-42

Programmed instruction. Patient assessment: examining joints of the upper and lower extremities. Cohen S, et al. **Am J Nurs** 1981 Apr;81(4):763-86

Critical care nursing orientation: a comparison of teaching methods. Hansell HN, et al. **Heart Lung** 1980 Nov-Dec; 9(6):1066-72

Planning visual media for self-instruction. Gray DE. **J Biol Photogr** 1980 Jul;48(3):117-37

The nurse educator and the adult dialysis patient. Watchous SM, et al. **Nurs Forum** 1980;19(1):68-84

METHODS

Programmed learning in the microtraining paradigm with hotline workers. Uhlemann MR, et al. **Am J Community Psychol** 1980 Oct;8(5):603-12

[Use of programmed situational tasks in the postgraduate training of physicians] Chumakova LP, et al. **Klin Med (Mosk)** 1981 Mar;59(3):113-4 (Eng. Abstr.) **(Rus)**

[Model of specific programmed instruction for the pharmacist as a basis for optimizing the academic process in college] Sychenikov IA, et al. **Sov Med** 1981;(5):83-7 **(Rus)**

[Programmed control in studying the topical diagnosis of nervous system diseases] Nozdrunov LM, et al. **Voen Med Zh** 1980 Dec;(12):58 **(Rus)**

PROGRAMMED INSTRUCTION, COMPUTERIZED see **COMPUTER ASSISTED INSTRUCTION**

PROGRAMMED LEARNING see **PROGRAMMED INSTRUCTION**

PROGRAMMING, LINEAR see under **OPERATIONS RESEARCH**

PROGRAMS, COMPUTER see **COMPUTERS**

PROGRESSIVE INTERSTITIAL PNEUMONIA OF SHEEP see **PNEUMONIA, PROGRESSIVE INTERSTITIAL, OF SHEEP**

PROGRESSIVE LENTICULAR DEGENERATION see **HEPATOLENTICULAR DEGENERATION**

PROGRESSIVE PATIENT CARE

ECONOMICS

Subacute care unit keeps cost of care down. Koncel JA. **Hospitals** 1980 Oct 1;54(19):81-2

PROGUANIL see **CHLOROGUANIDE**

PROINSULIN

ANALOGS & DERIVATIVES

[Semisyntheses using proinsulin, II. Preparation and application of Nepsilon 29, Nepsilon 59-bis(methylsulfonylethoxycarbonyl)proinsulin (author's transl)] Büllesbach EE, et al. **Hoppe Seylers Z Physiol Chem** 1980 May;361(5):723-34 (Eng. Abstr.) **(Ger)**

ANALYSIS

Stable iodinated polypeptide hormones prepared by polyacrylamide gel electrophoresis. Linde S, et al. **Anal Biochem** 1980 Sep 1;107(1):165-76

Micromodification of an immunoradiometric assay for proinsulin. Sopwith AM, et al. **Ann Clin Biochem** 1980 Jul; 17(4):185-7

[Malignant insulinoma with high ratio of proinsulin-like component inside the tumor--a case report] Kanasawa M, et al. **Nippon Rinsho** 1981 Feb;39(2):456-62 **(Jpn)**

BIOSYNTHESIS

Regulation of insulin biosynthesis in carp islets (Cyprinus carpio). Huth A, et al. **Acta Biol Med Ger** 1981;40(1):87-92

Cell-free synthesis of angler fish preproinsulin: complete amino acid sequence of the signal peptide. Shields D. **Biochem Biophys Res Commun** 1981 Jan 15;98(1):242-9

Protection by picolinamide, a novel inhibitor of poly (ADP-ribose) synthetase, against both streptozotocin-induced depression of proinsulin synthesis and reduction of NAD content in pancreatic islets. Yamamoto H, et al. **Biochem Biophys Res Commun** 1980 Jul 16;95(1):474-81

Biosynthesis of proinsulin and other islet cell proteins in pancreatic beta cells of the rat: a radioautographic evaluation of glucose effects in vitro. Logothetopoulos J, et al. **Diabetes** 1980 Oct;29(10):795-800

In vivo incorporation of [3H] leucine and [3H] tryptophan into proinsulin-insulin and other islet cell proteins in normoglycemic, hyperglycemic, and hypoglycemic rats. Logothetopoulos J, et al. **Diabetes** 1980 Oct;29(10):801-5

Transcriptional and translational control of glucose-stimulated (pro)insulin biosynthesis. Jahr H, et al. **Eur J Biochem** 1980 Sep;110(2):499-505

Cyproheptadine inhibits (pro)insulin biosynthesis and secretion of isolated human pancreatic islets. Jahr H, et al. **Horm Metab Res** 1981 Jun;13(6):359

Regulation of proinsulin synthesis in pancreatic islets and a new aspect to insulin-dependent diabetes. Okamoto H. **Mol Cell Biochem** 1981 Jun 9;37(1):43-61 (107 ref.)

BLOOD

C-peptide and proinsulin after oral glucose. Heding LG, et al. **Acta Med Scand [Suppl]** 1980;639:33-6

[Human C-peptide: radioimmunologic assay and physiopathological applications] Nyomba BL, et al. **Acta Clin Belg** 1980;35(5):314-23 (Eng. Abstr.) **(Fre)**

CHEMICAL SYNTHESIS

[Semisyntheses using proinsulin, II. Preparation and application of Nepsilon 29, Nepsilon 59-bis(methylsulfonylethoxycarbonyl)proinsulin (author's transl)] Büllesbach EE, et al. **Hoppe Seylers Z Physiol Chem** 1980 May;361(5):723-34 (Eng. Abstr.) **(Ger)**

GENETICS

Intracellular compartmentation and secretion of carp proinsulin synthesized in Xenopus oocytes. Rapoport TA. **Eur J Biochem** 1981 Apr;115(3):665-9

Use of formylated yeast initiator Met tRNA to define the NH2-terminal residues of rat preproinsulin and pregrowth hormone. Chan SJ, et al. **J Biol Chem** 1981 Apr 10; 256(7):3271-5

Messenger RNA sequence and primary structure of preproinsulin in a primitive vertebrate, the Atlantic hagfish. Chan SJ, et al. **J Biol Chem** 1981 Jul 25;256(14):7595-602

Isolation of catfish proinsulin messenger RNA and synthesis of its complementary DNA. Permutt MA, et al. **Mol Cell Endocrinol** 1980 Aug;19(2):197-211

A human proinsulin variant at arginine 65. Robbins DC, et al. **Nature** 1981 Jun 25;291(5817):679-81

Expression of simian virus 40-rat preproinsulin recombinants in monkey kidney cells: use of preproinsulin RNA processing signals. Gruss P, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):133-7

Eukaryotic signal sequence transports insulin antigen in Escherichia coli. Talmadge K, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3369-73

Tissue-specific exposure of chromatin structure at the 5' terminus of the rat preproinsulin II gene. Wu C, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1577-80

ISOLATION & PURIFICATION

Gel chromatographic separation of human C-peptide and proinsulin. Kakita K, et al. **J Chromatogr** 1981 Jan 2; 222(1):33-40

METABOLISM

In vitro conversion of proinsulin to insulin by cathepsin B in isolated islets and its inhibition by cathepsin B antibodies. Bansal R, et al. **Acta Diabetol Lat** 1980 Jul-Dec; 17(3-4):255-66

Secretion and biosynthesis of (pro)insulin by pancreatic islets isolated from fetuses of normal and diabetic women. Jahr H, et al. **Diabete Metab** 1981 Jun;7(2):71-5

The effects of fasting and feeding on preproinsulin messenger RNA in rats. Giddings SJ, et al. **J Clin Invest** 1981 Apr; 67(4):952-60

Degradation of insulin and proinsulin in the normal state and in experimental diabetes. Mkrtumova NA, et al. **Neurosci Behav Physiol** 1980 Nov-Dec;10(6):493-6

Bacteria mature preproinsulin to proinsulin. Talmadge K, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):3988-92

[Pancreatic B cell peptides: kinetic behaviour and concentrations of proinsulin, insulin and C-peptide in plasma and urine, problems of assay methods, clinical significance and literature review (author's transl)] Gerbitz KD. **J Clin Chem Clin Biochem** 1980 Jun;18(6):313-26 (157 ref.) (Eng. Abstr.) **(Ger)**

SECRETION

Effect of adrenergic stimulation on insulin and proinsulin secretion. Study on patients with pheochromocytoma. Villalpando-Hernández S, et al. **Arch Invest Med (Mex)** 1981;12(1):59-68 **(Eng, Spa)**

Effect of age on proinsulin and insulin secretory patterns in isolated rat islets. Gold G, et al. **Diabetes** 1981 Jan; 30(1):77-82

Hypersecretion of proinsulin in thyrotoxicosis. Sestoft L, et al. **Diabetologia** 1981 Aug;21(2):103-7

STANDARDS

Insulin 1981: which one for my patient? Shipp JC. **Nebr Med J** 1981 Jun;66(6):125-7

PROJECTION

The infant as a projective stimulus. Kaye K. **Am J Orthopsychiatry** 1980 Oct;50(4):732-6

The uncovering of projective identification in the treatment of the borderline adolescent. Levy J, et al. **Int J Psychoanal Psychother** 1980-81;8:137-49

PROJECTIVE TECHNICS

Differentiation between acting-out and non-acting-out alcoholics with the Rorschach and Hand Test. Haramis SL, et al. **J Clin Psychol** 1980 Jul;36(3):791-7

Efficacy of three projective techniques in differentiating brain damage among subjects with normal IQs. Wagner EE, et al. **J Clin Psychol** 1980 Oct;36(4):968-72

Anger expression in the Picture-Frustration study under stressful conditions. Winefield HR. **J Pers Assess** 1981 Aug; 45(4):370-4

Therapeutic uses of human figure drawings by the pregnant couple. Harris R, et al. **JOGN Nurs** 1980 Jul-Aug; 9(4):232-7

Constructional apraxia of drawing in patients with vascular or tumoral injury of the right hemisphere. Gheorghiță N. **Neurol Psychiatr (Bucur)** 1980 Apr-Jun;18(2):127-43

The Winnicott Squiggle Game: a vehicle for communicating with the school-aged child. Berger LR. **Pediatrics** 1980 Dec;66(6):921-4

Prediction of success in an accelerated BS/MD medical school program using two projective techniques. Daubney JH, et al. **Percept Mot Skills** 1980 Dec;51(3 Pt 2):1179-83

Construct validation of the Hand Test Withdrawal score on institutionalized older adults. Panek PE, et al. **Percept Mot Skills** 1980 Oct;51(2):595-8

Childhood depression and the Draw-A-Person Test. Gordon N, et al. **Psychol Rep** 1980 Aug;47(1):251-7

[Verbal and graphic expression of dreams by children (author's transl)] Patris M, et al. **Neuropsychiatr Enfance Adolesc** 1980 Apr-May; 28(4-5):187-94 (Eng. Abstr.) **(Fre)**

[The role of projective technics in therapy-oriented diagnosis] Baumgärtel F. **Prax Kinderpsychol Kinderpsychiatr** 1981 Apr;30(3):77-80 (Eng. Abstr.) **(Ger)**

[Age- and sex-specific changes in frustration reactions in children and adolescents. Results of a study using the Rosenzweig Picture Frustration Test (PFT)] Rauchfleisch U. **Prax Kinderpsychol Kinderpsychiatr** 1981 Mar; 30(2):55-62 (Eng. Abstr.) **(Ger)**

[Subject and form in the paintings and drawings by schizophrenic patients] Tyszkiewicz M. **Psychiatr Pol** 1980 Nov-Dec;14(6):595-603 (Eng. Abstr.) **(Pol)**

PROKARYOTIC CELLS see under **CELLS**

PROLACTIN

Size heterogeneity of rat pituitary prolactin. Wallis M, et al. **Biochem J** 1980 Sep 1;189(3):605-14

Calcified pituitary prolactinoma. Phansey S, et al. **Obstet Gynecol** 1981 Jun;57(6 Suppl):62S-6S

[Prolactin. Physiology and pathology] Thomas M, et al. **Coeur Med Interne** 1980 Apr-Jun;19(2):207-17 (60 ref.) **(Fre)**

ADMINISTRATION & DOSAGE

[Stimulatory effect of lactin combined with hyphotocin on galactopoiesis in rats] Ivanova GI, et al. **Biull Eksp Biol Med** 1981 Feb;91(2):216-8 (Eng. Abstr.)

(Rus)

ADVERSE EFFECTS

Prostaglandin I2 modifies both prolactin binding capacity and fluidity of mouse liver membranes. Dave JR, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6597–600

ANALOGS & DERIVATIVES

Preparation, specific binding, and biological activity of a monosubstituted fluorescein derivative of prolactin. Burleigh BD, et al. **Mol Cell Endocrinol** 1981 Mar; 21(3):211–20

ANALYSIS

Prolactin content in rat pituitary gland. RIA of prolactin after different extraction procedures. Haggi E, et al. **Acta Endocrinol (Copenh)** 1981;97(3):338–42

Study on immunoreactive prolactin of decidua in early pregnancy. Kubota T, et al. **Acta Endocrinol (Copenh)** 1981 Feb;96(2):258–64

Effect of short-term bromocriptine treatment on amniotic fluid prolactin concentration in the first half of pregnancy. Lehtovirta P, et al. **Acta Endocrinol (Copenh)** 1981 Aug; 97(4):559–61

Morphometric analysis of secretory granules and prolactin levels in chromophobe pituitary adenoma. Kornfeld M, et al. **Acta Neuropathol (Berl)** 1981;53(1):1–5

Amniotic fluid prolactin levels and lecithin/sphingomyelin ratios during the third trimester of human gestation. Hatjis CG, et al. **Am J Obstet Gynecol** 1981 Feb 15;139(4):435–40

Prolactin concentration in vaginal fluid: a new method for diagnosing ruptured membranes. Koninckx PR, et al. **Br J Obstet Gynaecol** 1981 Jun;88(6):607–10

Comparative immunocytochemical localization of prolactin and somatotropin in the pituitaries of Lepidosiren paradoxa, Rana temporaria and Ambystoma mexicanum. Hansen GN, et al. **Cell Tissue Res** 1981;217(1):127–41

Prolactin immunoreactivity of acidophils of the small granule type. Nogami H, et al. **Cell Tissue Res** 1980;211(1):1–4

Postnatal development, sexual difference and sexual cyclic variation of prolactin cells in rats: special reference to the topographic affinity to gonadotroph. Sato S. **Endocrinol Jpn** 1980 Oct;27(5):573–83

Identification of a less immunoreactive form of prolactin in the rat pituitary. Sinha YN, et al. **Endocrinology** 1981 Mar; 108(3):1091–4

Studies on several marsupial anterior pituitary hormones. Farmer SW, et al. **Gen Comp Endocrinol** 1981 Mar; 43(3):336–45

A comparison of prolactins from a marine, an estuarine, and a freshwater teleost. Ng TB, et al. **Gen Comp Endocrinol** 1980 Sep;42(1):141–6

Immunohistochemical evidence for prolactin in trophoblastic tumors. Lee JN, et al. **Gynecol Oncol** 1981 Jun; 11(3):299–303

Inherent ranges of seminal prolactin in pre- and postvasectomy subjects. Luqman W, et al. **Int J Fertil** 1979; 24(4):286–88

Dopamine and prolactin in human pregnancy. Ben-Jonathan N, et al. **J Clin Endocrinol Metab** 1980 Nov;51(5):1019–25

Melatonin-induced changes in blood and pituitary luteinizing hormone and prolactin levels during the perinatal period in rat dams. Nir I, et al. **J Neural Transm** 1980;49(4):219–28

Homologous radioimmunoassay for secreted mouse prolactin. Markoff E, et al. **Life Sci** 1981 Jan 12;28(2):203–11

The talc-resin-trichloroacetic acid test for screening radioiodinated polypeptide hormones. Tower BB, et al. **Methods Enzymol** 1980;70(A):322–34

CSF prolactin determination in patients following operation for pituitary tumor. Jordan RM, et al. **Surg Neurol** 1980 Nov;14(5):387–91

[Clinical application of the prolactin radioimmunoassay kit (author's transl)] Kubota T, et al. **Horumon To Rinsho** 1980 Nov;28(11):1405–9 **(Jpn)**

ANTAGONISTS & INHIBITORS

The effect of dopamine on prolactin cells in vivo. Warchol JB, et al. **Acta Med Pol** 1980;21(4):403–4

Inhibition of LH and prolactin release in the cycling rat following inhibition of dopamine-beta-hydroxylase. Voogt JL, et al. **Brain Res** 1981 Mar 30;209(2):411–9

Preliminary evidence that a dopamine receptor antagonist blocks the prolactin-inhibitory effects of melatonin in anosmic male rats. Blask DE, et al. **Experientia** 1980 Aug 15;36(8):1008–9

[Prolactin secretion inhibition as affected by leucine enkephalin] Iudaev NA, et al. **Dokl Akad Nauk SSSR** 1981; 256(2):500–2 **(Rus)**

BIOSYNTHESIS

Effects of glucocorticosteroids on prolactin and growth hormone production and characterization of the intracellular hormone receptors in rat pituitary tumour cells. Naess O, et al. **Acta Endocrinol (Copenh)** 1980 Nov; 95(3):319–27

Prolactin production by luteal phase defect endometrium. Daly DC, et al. **Am J Obstet Gynecol** 1981 Jul 1; 140(5):587–91

Stimulatory activity of serum on prolactin production by human decidua. Luciano AA, et al. **Am J Obstet Gynecol** 1980 Nov 15;138(6):665–9

Decidual production of prolactin in late gestation: further evidence for a decidual source of amniotic fluid prolactin. Rosenberg SM, et al. **Am J Obstet Gynecol** 1980 Nov 15; 138(6):681–5

Immunocytochemical analysis of prolactin production by monolayer cultures of GH3 rat anterior pituitary tumor cells: I. Long-term effects of stimulation with thyrotropin-releasing hormone (TRH). Hoyt RF Jr, et al. **Anat Rec** 1980 Jun;197(2):153–62

Immunocytochemical analysis of prolactin production by monolayer cultures of GH3 rat anterior pituitary tumor cells: II. Variation in prolactin content of individual cell colonies, and dynamics of stimulation with thyrotropin-releasing hormone (TRH). Hoyt RF Jr, et al. **Anat Rec** 1980 Jun;197(2):163–81

Different pituitary prolactin cell-stimulating effects of various estrogens in female rats. Hillesheim HG, et al. **Arch Toxicol [Suppl]** 1980;(4):456–8

Indirect identification of prolactin-producing cells in the pituitary gland of Xenopus laevis Daudin. Campantico E, et al. **Boll Soc Ital Biol Sper** 1979 Sep 15;55(17):1666–72

Miscleavage at the presequence of rat preprolactin synthesized in pituitary cells incubated with a threonine analog. Hortin G, et al. **Cell** 1981 May;24(2):453–61

Postnatal development of somatotrophs and mammotrophs in the pars distalis of the C57BL mouse. Wilson DB, et al. **Cell Tissue Res** 1980;211(3):441–8

Prolactin synthesis in bovine pituitary: no evidence for regulation by estrogen in vivo. Baxter LA, et al. **Endocrinology** 1981 Aug;109(2):576–81

Increased responsiveness of the dopamine-mediated inhibition of prolactin synthesis after destruction of the medial basal hypothalamus. Cheung CY, et al. **Endocrinology** 1981 Mar;108(3):747–51

Glucocorticoid-like actions of medroxyprogesterone acetate upon MtTW15 rat mammosomatotropic pituitary tumors. Winneker RC, et al. **Endocrinology** 1981 Jul;109(1):99–105

Short chain fatty acids increase prolactin and growth hormone production and alter cell morphology in the GH3 strain of rat pituitary cells. Yen PM, et al. **Endocrinology** 1981 Jul;109(1):17–22

Exaggerated prolactin response to thyrotropin-releasing hormone and metoclopramide in primary testicular failure. Spitz IM, et al. **Fertil Steril** 1980 Dec;34(6):573–80

Growth-promoting and antimetamorphic hormone in pituitary glands of bullfrogs. Kikuyama S, et al. **Gen Comp Endocrinol** 1980 Jun;41(2):212–6

Structure of the rat prolactin gene. Gubbins EJ, et al. **J Biol Chem** 1980 Sep 25;255(18):8655–62

Interaction of thyroid and glucocorticoid hormones in rat pituitary tumor cells. Specificity and diversity of the responses analyzed by two-dimensional gel electrophoresis. Ivarie RD, et al. **J Biol Chem** 1981 May 10;256(9):4520–8

Dopaminergic inhibition of prolactin synthesis and prolactin messenger RNA accumulation in cultured pituitary cells. Maurer RA. **J Biol Chem** 1980 Sep 10;255(17):8092–7

Regulation of pituitary function and prolactin production in the GH4 cell line by vitamin D. Murdoch GH, et al. **J Biol Chem** 1981 Apr 25;256(8):4050–3

Calcium specifically stimulates prolactin synthesis and messenger RNA sequences in GH3 cells. White BA, et al. **J Biol Chem** 1981 Jun 25;256(12):5942–5

Tamoxifen suppresses both the growth of prolactin-secreting pituitary tumours and normal prolactin synthesis in the rat. de Quijada M, et al. **J Endocrinol** 1980 Jul;86(1):109–16

Hormonal control of tyrosine aminotransferase, prolactin, and growth hormone induction in somatic cell hybrids. Thompson EB, et al. **J Steroid Biochem** 1980 Jan; 12:193–210

Dopaminergic control of prolactin mRNA accumulation in the pituitary of the male rat. Brocas H, et al. **Mol Cell Endocrinol** 1981 Apr;22(1):25–30

Production and processing of prolactin [news] Malcolm AD. **Nature** 1981 Apr 16;290(5807):546

A bacterial cell that synthesizes a protein containing the antigenic determinants of rat prolactin. Erwin CR, et al. **Nucleic Acids Res** 1980 Jun 11;8(11):2537–46

Construction and characterization of a cDNA clone containing a portion of the bovine prolactin sequence. Nilson JH, et al. **Nucleic Acids Res** 1980 Apr 11; 8(7):1561–73

[Regulation of the dopaminergic mechanisms responsible for prolactin synthesis] Pazzi A, et al. **G Clin Med** 1980 Jul; 61(7):525–9 (11 ref.) (Eng. Abstr.) **(Ita)**

[Production and localization of human prolactin in the tissues associated with pregnancy (Report I) (author's transl)] Kasai K, et al. **Nippon Naibunpi Gakkai Zasshi** 1980 Nov; 56(11):1574–80 (Eng. Abstr.) **(Jpn)**

[Immunohistochemical studies on the functioning pituitary adenomas (author's transl)] Teramoto A. **No To Shinkei** 1980 Nov;32(11):1163–74 (Eng. Abstr.) **(Jpn)**

BLOOD

The effect in post-menopausal women of natural human and artificial oestrogens on the concentration in serum of prolactin. Andersen JR, et al. **Acta Endocrinol (Copenh)** 1980 Dec;95(4):433–7

The value of an intravenous TRH test for the diagnosis of tumoural prolactinaemia. Assies J, et al. **Acta Endocrinol (Copenh)** 1980 Aug;94(4):439–49

Patterns of spontaneous LH release in normo- and hyperprolactinaemic women. Buckman MT, et al. **Acta Endocrinol (Copenh)** 1981;97(3):305–10

Short- and long-term fluctuations in plasma prolactin concentration in normal subjects. Djursing H, et al. **Acta Endocrinol (Copenh)** 1981 May;97(1):1–6

Plasma growth hormone and prolactin responses to TRH and arginine given before and during bromocriptine therapy to patients with acromegaly. Hanew K, et al. **Acta Endocrinol (Copenh)** 1980 Nov;95(3):298–307

The effect of weight gain on gonadotrophins and prolactin in anorexia nervosa. Isaacs AJ, et al. **Acta Endocrinol (Copenh)** 1980 Jun;94(2):145–50

Effect of sulpiride on plasma prolactin levels in women with puerperal or pathological hyperprolactinaemia. Massara F, et al. **Acta Endocrinol (Copenh)** 1980 Oct;95(2):145–50

Circadian variations of the response of plasma prolactin to brief exposure to ether in the male rat. Mattheij JA, et al. **Acta Endocrinol (Copenh)** 1980 Jul;94(3):327–31

Serum prolactin and thyrotrophin responses to thyrotrophin-releasing hormone at different times of the day in normal women. Pérez-López FR, et al. **Acta Endocrinol (Copenh)** 1981 May;97(1):7–11

Serum levels of testosterone, cortisol, prolactin and bioactive luteinizing hormone in adult male rhesus monkeys following cage-restraint or anaesthetizing with ketamine hydrochloride. Puri CP, et al. **Acta Endocrinol (Copenh)** 1981 May;97(1):118–24

The clinical and biochemical features in 26 patients with prolactinoma before and after transsphenoidal microresection. Samaan NA, et al. **Acta Endocrinol (Copenh)** 1980 Aug;94(4):450–8

Effect of prolactin inhibition under heat exposure on water intake and excretion of urine, sodium and potassium in bulls. Schams D, et al. **Acta Endocrinol (Copenh)** 1980 Jul; 94(3):315–20

Prolactin responses to histamine H2 receptor antagonists. Sharpe PC, et al. **Acta Endocrinol (Copenh)** 1980 Nov; 95(3):308–13

Plasma prolactin and gonadotrophins in anorexia nervosa and amenorrhoea due to weight loss. Skrabanek P, et al. **Acta Endocrinol (Copenh)** 1981 Aug;97(4):433–5

Bromocriptine treatment during early human pregnancy: effect on the levels of prolactin, sex steroids and placental lactogen. Ylikorkala O, et al. **Acta Endocrinol (Copenh)** 1980 Nov;95(3):412–5

Physiopathological aspects of the empty sella syndrome combined with prolactin hypersecretion. Bianchi V, et al. **Acta Eur Fertil** 1980 Jun;11(2):131–7 **(Eng, Ita)**

Prolactin and hydric electrolytic balance. Degli Esposti E, et al. **Acta Eur Fertil** 1980 Jun;11(2):151–?

Diagnostic and therapeutic problems of hyper-prolactinemia in women. Flamigni C, et al. **Acta Eur Fertil** 1980 Dec; 11(4):247–58

CT evidence of a functioning micro-prolactinoma. Garzarelli S, et al. **Acta Eur Fertil** 1979 Dec;10(4):143–6

Effects of desametazone in patients affected by hyper-prolactinemia. Jasonni VM, et al. **Acta Eur Fertil** 1980 Sep;11(3):239–41

Prolactin, LH and FSH changes induced by cimetidine and bromocriptine. Manojlović DL, et al. **Acta Med Iugosl** 1980 Nov;34(4):325–33

Serum prolactin and thyrotropin responses to thyrotropin-releasing hormone in men with alcoholic cirrhosis. Hasselbalch HC, et al. **Acta Med Scand** 1981; 209(1–2):37–40

Correlative ultrastructural morphometry of human prolactin-producing adenomas. McComb DJ, et al. **Acta Neurochir (Wien)** 1980;53(3–4):217–25

Hyperprolactinemic amenorrhea induced by metoclopamid (PrimperanR). Andersen OP, et al. **Acta Obstet Gynecol Scand** 1981;60(3):341–2

The acute effect of metoclopramide on plasma prolactin during pregnancy. Brandes JM, et al. **Acta Obstet Gynecol Scand** 1981;60(3):243–5

Effect of electroconvulsive treatment on brain monoamine content, pituitary-adrenal function and plasma prolactin. Arató M, et al. **Acta Physiol Acad Sci Hung** 1980; 56(2):163–71

Haloperidol and droperidol treatment in schizophrenics. Clinical application of the 'prolactin-model'. Langer G, et al. **Acta Psychiatr Belg** 1980 Sep-Oct;80(5):574–83

Drug-induced alterations of the hypothalamus-hypophysis axis. Mazzi C, et al. **Acta Psychiatr Belg** 1980 Sep-Oct; 80(5):619–37

Effect of antidepressants, lithium and electroconvulsive treatment on rat serum prolactin levels. Meltzer HY, et al. **Acta Psychiatr Scand [Suppl]** 1981;63(Suppl 290):100–21

Plasma prolactin in the sow with emphasis on variation in resumption of ovarian activity after weaning. Benjaminsen E. **Acta Vet Scand** 1981;22(1):67–77

The amenorrhea, galactorrhea and hyperprolactinemia syndromes. Molitch ME, et al. **Adv Intern Med** 1980; 26:37–65 (100 ref.)

Insulin, prolactin, and cortisol in acute myocardial infarction. Mowar SN, et al. **Adv Myocardiol** 1980;2:421–4

Prolactin cycling and the management of breast-feeding failure. Weichert CE. **Adv Pediatr** 1980;27:391–407

Hyperprolactinemia. Kemmann E, et al. **Am Fam Physician** 1981 Mar;23(3):119–24

Dietary fat and plasma prolactin [letter] Gray GE, et al. **Am J Clin Nutr** 1981 Jun;34(6):1160–2

Diet and plasma prolactin [letter] Hill P. **Am J Clin Nutr**

1981 Jun;34(6):1162–3
Pregnancy in a patient with three negative pregnancy tests and hyperprolactinemia [letter] Fox RL. **Am J Obstet Gynecol** 1980 Nov 1;138(5):590–1
Stable prolactin level after enhanced estradiol production following dehydroepiandrosterone sulfate. Kauppila A, et al. **Am J Obstet Gynecol** 1980 Oct 1;138(3):271–2
Immunoreactive endorphin peptides and prolactin in umbilical vein and maternal blood. Kimball CD, et al. **Am J Obstet Gynecol** 1981 May 15;140(2):157–64
Hyperprolactinemia—a significant factor in female infertility. Kredentser JV, et al. **Am J Obstet Gynecol** 1981 Feb 1; 139(3):264–7
Prolactin modulation of dehydroepiandrosterone sulfate secretion. Lobo RA, et al. **Am J Obstet Gynecol** 1980 Nov 15;138(6):632–6
Lack of relationship between prolactin and adrenal steroidogenesis in the ovine fetus. Takahashi K, et al. **Am J Obstet Gynecol** 1981 Feb 15;139(4):427–34
Prolactin and the renin-aldosterone axis in human pregnancy. Yuen BH, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 1):738–40
Prolactin changes in major depressive disorders. Asnis GM, et al. **Am J Psychiatry** 1980 Sep;137(9):1117–8
Low serum prolactin and early relapse following neuroleptic withdrawal. Brown WA, et al. **Am J Psychiatry** 1981 Feb; 138(2):237–9
Breast cancer in hospitalized psychiatric patients. Goode DJ, et al. **Am J Psychiatry** 1981 Jun;138(6):804–6
Importance of akinesia: plasma chlorpromazine and prolactin levels. Van Putten T, et al. **Am J Psychiatry** 1980 Nov; 137(11):1446–8
A possible relationship between prolactin and spermatogenesis in humans. Gray P, et al. **Andrologia** 1981 Mar–Apr;13(2):127–30
Prolactin and impotence in diabetes mellitus. Lester E, et al. **Ann Clin Biochem** 1981 Jan;18(Pt 1):6–8
Lack of effect of oral pyridoxine on TRH and chlorpromazine induced prolactin secretion. Vandeweghe M. **Ann Endocrinol (Paris)** 1980 May–Jun;41(3):215–7
Verapamil-induced hyperprolactinemia and galactorrhea. Gluskin LE, et al. **Ann Intern Med** 1981 Jul;95(1):66–7
Prolactin and the diagnosis of pituitary tumors. Malarkey WB. **Annu Rev Med** 1979;30:249–58 (42 ref.)
Prolactin and male reproduction. Hermanns U, et al. **Arch Androl** 1981 Mar;6(2):95–125 (236 ref.)
Effect of bromocriptine treatment on male infertility associated with hyperprolactinemia. Laufer N, et al. **Arch Androl** 1981 Jun;6(4):343–6
Effects of chronic neuroleptic therapy on human PRL secretion and testicular function. Magrini G, et al. **Arch Androl** 1981 May;6(3):219–28
Abnormal prolactin levels in serum and seminal plasma in infertile men. Merino G, et al. **Arch Androl** 1980 Jun; 4(4):353–5
Motility, Parkinsonism, and prolactin with thiothixene and thioridazine. Crowley TJ, et al. **Arch Gen Psychiatry** 1981 Jun;38(6):668–75
Serum haloperidol determinations in psychiatric patients. Comparison of methods and correlation with serum prolactin level. Rubin RT, et al. **Arch Gen Psychiatry** 1980 Sep;37(9):1069–74
Induction of ovulation with chronic intermittent (pulsatile) administration of LH-RH in women with hypothalamic and hyperprolactinemic amenorrhea. Leyendecker G, et al. **Arch Gynecol** 1980;229(3):177–90
Influence of hyperprolactinemia induced by adenopituitary transplantation under the kidney capsule on the glutamic acid decarboxylase activity in various brain regions. Nicoletti F, et al. **Arch Int Pharmacodyn Ther** 1981 Jan; 249(1):153–7
The effect of amoxapine and imipramine on serum prolactin levels. Cooper DS, et al. **Arch Intern Med** 1981 Jul; 141(8):1023–5
Hypothyroidism, triiodothyronine antibodies, and hyperprolactinemia. Henry RR, et al. **Arch Intern Med** 1981 Jun;141(7):953–5
Galactorrhea, amenorrhea, and hyperprolactinemia as manifestations of parasellar meningioma. Shah RP, et al. **Arch Intern Med** 1980 Dec;140(12):1608–12
Serum prolactin during pregnancy induced by pituitary gonadotrophins in a patient with post partum hypopituitarism (Sheehan syndrome). Lee D, et al. **Arch Invest Med (Mex)** 1981;12(1):29–41 **(Eng, Spa)**
Exaggerated hyperprolactinemia in response to thiothixene [letter] Ash PR, et al. **Arch Neurol** 1981 Aug;38(8):534–5
Elevated serum prolactin level in the Zollinger-Ellison syndrome. Stabile BE, et al. **Arch Surg** 1981 Apr; 116(4):449–53
Endocrine aspects of ozone exposure in rats. Clemons GK, et al. **Arch Toxicol [Suppl]** 1980;(4):301–4
Induction of pituitary tumours and hyperprolactinemia in female rats by estrogens. The effect of apomorphine, reserpine and L-dopa. Koch M, et al. **Arch Toxicol [Suppl]** 1980;(4):89–91
Investigations of ultradian and circadian rhythms in the concentration of cortisol and prolactin in the plasma of dairy cattle. Fulkerson WJ, et al. **Aust J Biol Sci** 1980 Oct; 33(5):557–61
Oestrogen-induced hyperprolactinaemia in the rat: reduced concentrations of hypothalamic dopamine and the effects of bromocriptine. Smythe GA, et al. **Aust J Biol Sci** 1980 Jun;33(3):329–39
Lack of effect of bromocriptine on semen quality in men with normal or slightly elevated prolactin levels. Baker HW, et al. **Aust NZ J Obstet Gynaecol** 1980 Aug; 20(3):158–61
The effect of thioridazine on prolactin levels in acutely schizophrenic patients: challenge-dose and steady-state levels. Johnson GF, et al. **Aust NZ J Psychiatry** 1980 Jun; 14(2):127–31
The serum prolactin level in testicular tumours—a new tumour marker? MacLean GD, et al. **Aust NZ J Surg** 1980 Aug;50(4):384–6
Plasmin prolactin levels are not related to the initiation, maintenance, and decline of postpartum aggression in mice. Broida J, et al. **Behav Neural Biol** 1981 May;32(1):121–5
Propranolol in high doses increases plasma prolactin concentrations in male rats. Freed WJ, et al. **Biol Psychiatry** 1980 Apr;15(2):311–7
Effect of estrogen on serum prolactin levels in rhesus monkeys after hypophyseal stalk transection. Frawley LS, et al. **Biol Reprod** 1980 Jun;22(5):1089–93
Relationship between progesterone and prolactin surges in aged and young pseudopregnant rats. Gilman DP, et al. **Biol Reprod** 1981 May;24(4):839–45
Prolactin release in golden hamsters: photoperiod and gonadal influences. Goldman BD, et al. **Biol Reprod** 1981 Mar;24(2):287–92
Effect of nest-deprivation on serum prolactin level in nesting female turkeys. El Halawani ME, et al. **Biol Reprod** 1980 Aug;23(1):118–23
Effects of p-chlorophenylalanine on the rise in serum prolactin associated with nesting in broody turkeys. El-Halawani ME, et al. **Biol Reprod** 1980 Nov;23(4):815–9
Endogenous rhythms of luteal and adrenal cholesterol ester hydrolase and serum PRL, LH and progesterone in mature pseudopregnant rats. Klemcke HG, et al. **Biol Reprod** 1980 Jun;22(5):1022–8
Effects of maternal undernutrition on the development of the ovine fetus and the associated changes in growth hormone and prolactin. Koritnik DR, et al. **Biol Reprod** 1981 Feb;24(1):125–37
Paradoxical effects of D-Trp6-LHRH in immature female rats correlated with changes in ACTH, prolactin, and corticosterone levels. Nekola MV, et al. **Biol Reprod** 1981 Apr;24(3):505–11
Periestrous and midluteal time courses of circulating LH, FSH, prolactin, estradiol-17 beta and progesterone in the domestic pig. Van de Wiel DF, et al. **Biol Reprod** 1981 Mar;24(2):223–33
Effects of the inhibition of aromatic aminoacids decarboxylase on prolactin secretion in humans. Masturzo P, et al. **Boll Soc Ital Biol Sper** 1979 Feb 28;55(4):366–72
Dose and sex related effects of benserazide on prolactin secretion. Murialdo G, et al. **Boll Soc Ital Biol Sper** 1979 Feb 28;55(4):373–7
Effects of a single dose of barbiturate on prolactin secretion in woman. Rodriguez G, et al. **Boll Soc Ital Biol Sper** 1980 Apr 15;56(7):654–7
Hormone and drug effects on growth of DMBA mammary tumours and plasma prolactin levels in adreno-ovariectomized rats. Minasian-Batmanian LC, et al. **Br J Cancer** 1981 Jun;43(6):832–41
Elevated levels of prolactin in nulliparous women. Yu MC, et al. **Br J Cancer** 1981 Jun;43(6):826–31
Prolactin, fluid balance and lactation. Dearlove JC, et al. **Br J Obstet Gynaecol** 1981 Jun;88(6):652–4
Growth of a prolactinoma during pregnancy. Case report and review. Dommerholt HB, et al. **Br J Obstet Gynaecol** 1981 Jan;88(1):62–70
Plasma prolactin and puerperal blood pressure. Jenkins DM, et al. **Br J Obstet Gynaecol** 1980 Jul;87(7):597–9
Cure of postpartum hyperprolactinaemia galactorrhoea-amenorrhoea by removal of benign ovarian teratoma. Two case reports. Wahba MH. **Br J Obstet Gynaecol** 1980 Jul;87(7):631–3
Prolactin changes in maternal plasma following termination by vacuum curettage and the effect of bromocriptine treatment on these changes. Ylikorkala O, et al. **Br J Obstet Gynaecol** 1980 Oct;87(10):911–5
Clinical state, plasma levels of haloperidol and prolactin: a correlation study in chronic schizophrenia. Rao VA, et al. **Br J Psychiatry** 1980 Dec;137:518–21
Amenorrhoea, galactorrhoea, and hyperprolactinaemia induced by methyldopa. Arze RS, et al. **Br Med J [Clin Res]** 1981 Jul 18;283(6285):194
The effect of an injection of corticotrophin on plasma concentrations of corticosterone, growth hormone and prolactin in two strains of domestic fowl. Davison TF, et al. **Br Poult Sci** 1980 Jul;21(4):287–93
Growth and the plasma concentrations of growth hormone and prolactin in chicks: effects of 'environmental enrichment', sex and strain. Jones RB, et al. **Br Poult Sci** 1980 Nov;21(6):457–62
Lack of a relationship between concentrations of plasma luteinising hormone, thyroxine and prolactin at nine week's of age and subsequent egg production in the domestic hen. Sharp PJ, et al. **Br Poult Sci** 1981 Jan;22(1):53–8
Characterization of ergot and non-ergot serotonin antagonists by prolactin and growth hormone profiles during wakefulness and sleep. Clarenbach P, et al. **Brain Res** 1980 Dec 8;202(2):357–63
Dopaminergic control of prolactin secretion in the aging male rat. Gudelsky GA, et al. **Brain Res** 1980 Jan 21; 204(2):446–50
Role of central nervous system neurotransmitters in mediating the effects of morphine on growth hormone- and prolactin-secretion in the rat. Koenig J, et al. **Brain Res** 1980 Sep 22;197(2):453–68
Marked and selective suppression of prolactin secretion after interruption of neural connections of the medial basal hypothalamus of the rat. Mioduszewski R, et al. **Brain Res** 1981 Jul 6;216(1):35–44
Neural pathways mediating the prolactin secretory response to acute neurogenic stress in the male rat. Siegel RA, et al. **Brain Res** 1980 Sep 29;198(1):43–53
Monosodium glutamate: acute and chronic effects on rhythmic growth hormone and prolactin secretion, and somatostatin in the undisturbed male rat. Terry LC, et al. **Brain Res** 1981 Jul 27;217(1):129–42
Prolactin and luteinizing hormone release after diencephalic lesions and stimulation. Colombo JA, et al. **Brain Res Bull** 1981 Mar;6(3):243–9
Detection of alpha-lactalbumin in breast lesions and relationship to estrogen receptors and serum prolactin. Bahu RM, et al. **Cancer** 1980 Oct 15;46(8):1775–80
Effects of 17 beta-estradiol and medroxyprogesterone acetate upon MtTW15 mammosomatotropic pituitary tumor growth and hormone production in male and female rats. Winneker RC, et al. **Cancer Res** 1981 May;41(5):1772–7
The 24-h pattern of human prolactin and growth hormone in healthy elderly subjects. Murri L, et al. **Chronobiologia** 1980 Jan–Mar;7(1):87–92
Ovarian and placental hormones during prolactin suppression and stimulation in early human pregnancy. Andersen AN, et al. **Clin Endocrinol (Oxf)** 1980 Aug;13(2):151–5
Hyperprolactinaemia during prolonged lactation: evidence for anovulatory cycles and inadequate corpus luteum. Delvoye P, et al. **Clin Endocrinol (Oxf)** 1980 Sep; 13(3):243–7
Pituitary function in normoprolactinaemic infertile men receiving bromocriptine. Glatthaar C, et al. **Clin Endocrinol (Oxf)** 1980 Nov;13(5):455–9
Serum levels of prolactin and milk production in women during a lactation period of thirty months. Hennart P, et al. **Clin Endocrinol (Oxf)** 1981 Apr;14(4):349–53
The effect of cyproterone acetate on serum testosterone, LH, FSH, and prolactin in male sexual offenders. Jeffcoate WJ, et al. **Clin Endocrinol (Oxf)** 1980 Aug;13(2):189–95
Hyperinsulinaemia in hyperprolactinaemic women. Johnston DG, et al. **Clin Endocrinol (Oxf)** 1980 Oct;13(4):361–8
The function of the pituitary-thyroidal axis in acromegalic patients v. patients with hyperprolactinaemia and a pituitary tumour. Klijn JG, et al. **Clin Endocrinol (Oxf)** 1980 Dec;13(6):577–85
Effects of sulpiride induced hyperprolactinaemia in patients with Turner's syndrome. Loli P, et al. **Clin Endocrinol (Oxf)** 1980 Jul;13(1):9–16
Evaluation of two inhibitory tests (nomifensine and L-dopa + carbidopa) for the diagnosis of hyperprolactinaemic states. Moriondo P, et al. **Clin Endocrinol (Oxf)** 1980 Dec; 13(6):525–33
Leydig cell tumour of the testis with gynaecomastia and elevated oestrogen, progesterone and prolactin levels: case report. Perez C, et al. **Clin Endocrinol (Oxf)** 1980 Nov; 13(5):409–12
Effect of dopamine infusion on serum prolactin concentration in normal and hyperprolactinaemic subjects. Reschini E, et al. **Clin Endocrinol (Oxf)** 1980 Dec;13(6):519–23
Gonadotropinic reserve in women affected by hyperprolactinemic amenorrhea. Abate F, et al. **Clin Exp Obstet Gynecol** 1980;7(2):126–30
Inhibiting effect of atropine on prolactin blood levels after stimulation with TRH. Bizzarro A, et al. **Clin Exp Obstet Gynecol** 1980;7(2):108–11
Serum prolactin levels during inhibition of lactation by cyclofenil. Polati F, et al. **Clin Exp Obstet Gynecol** 1980; 7(2):131–4
Effect of hyperprolactinaemia due to pituitary tumour on serum albumin, protein and oncotic pressure. Brajkovich IE, et al. **Clin Sci** 1981 Jul;61(1):119–21
Effect of propranolol treatment on serum prolactin level in schizophrenic patients. Elizur A, et al. **Commun Psychopharmacol** 1980;4(3):203–6
Transient hyperprolactinemia and hyperthyroidism in autoimmune thyroiditis. Mascardo RN, et al. **Conn Med** 1981 Feb;45(2):78–80
The influence of neuroleptic drugs on prolactin secretion in children. Gualtieri CT, et al. **Dev Med Child Neurol** 1980 Aug;22(4):515–8
Hyperprolactinaemic diabetes insipidus-like syndrome. Obel AO, et al. **East Afr Med J** 1981 Mar;58(3):156–62
Tetrahydro-beta-carbolines elevate plasma prolactin in male rats. Buckholtz NS, et al. **Endocr Res Commun** 1980; 7(4):221–30
Elevation of serum prolactin acutely after administration of p-chloroamphetamine in rats. Fuller RW, et al. **Endocr Res Commun** 1980;7(2):77–85
Long-term effects of neonatal DES treatment on plasma prolactin in female mice. Kalland T, et al. **Endocr Res Commun** 1980;7(3):157–66
Effects of domperidone on serum prolactin levels in human beings. Fujino T, et al. **Endocrinol Jpn** 1980 Aug; 27(4):521–5
Changes in plasma progestin, prolactin, LH and FSH at luteal

activation with phenobarbital anesthesia in the rat. Kaneko S. **Endocrinol Jpn** 1980 Aug;27(4):431–8

Elevated serum DHEA–S levels in association with hyperprolactinemia. Seki K, et al. **Endocrinol Jpn** 1981 Feb; 28(1):79–81

Additional antitumoral effects of bromocriptine and radiotherapy in patients with prolactinomas or acromegaly. Coculescu M, et al. **Endocrinologie** 1980 Oct–Dec; 18(4):277–88

Prolactin and growth hormone response in induced hypoglycaemia in obese patients. Micić DD, et al. **Endocrinologie** 1981 Apr–Jun;19(2):137–41

Hyperprolactinemia–induced precocious puberty: studies on the mechanism(s) by which prolactin enhances ovarian progesterone responsiveness to gonadotropins in prepubertal rats. Advis JP, et al. **Endocrinology** 1981 Apr; 108(4):1333–42

Changes in ovarian 3 alpha–androstanediol response to human chorionic gonadotropin during puberty in the rat: modulatory role of prolactin. Advis JP, et al. **Endocrinology** 1981 Jul;109(1):223–8

Prolactin regulation of cytological differentiation of mammary epithelial cells in peripartu rient cows. Akers RM, et al. **Endocrinology** 1981 Jul;109(1):31–40

A serotonergic mechanism of the prolactin–stimulating action of metoclopramide. Fang VS, et al. **Endocrinology** 1981 May;108(5):1622–7

The obligatory role of the uterus for termination of prolactin surges initiated by cervical stimulation. Gorospe WC, et al. **Endocrinology** 1981 Jul;109(1):1–4

Iontophoresis of morphine into the arcuate nucleus: effects on dopamine concentrations in hypophysial portal plasma and serum prolactin concentrations. Haskins JT, et al. **Endocrinology** 1981 Mar;108(3):767–71

Induction and maintenance of gonadotropin and lactogen receptors in hypoprolactinemic rats. Huhtaniemi IT, et al. **Endocrinology** 1981 Aug;109(2):483–90

Lateral hypothalamic mediation of midbrain catecholaminergic influences on preovulatory surges of serum gonadotropin and prolactin in female rats. Kawakami M, et al. **Endocrinology** 1981 Jan;108(1):66–71

Ultradian and seasonal rhythms in plasma gonadotropins, prolactin, cortisol, and testosterone in pinealectomized rams. Kennaway DJ, et al. **Endocrinology** 1981 Feb; 108(2):639–46

On the mode of the prolactin release–inhibiting action of the serotonin receptor blockers metergoline, methysergide, and cyproheptadine. Krulich L, et al. **Endocrinology** 1981 Apr;108(4):1115–24

Pathogenesis of hyperprolactinemia in uremic rats. Martin–Oar JE, et al. **Endocrinology** 1981 Jun;108(6):2283–6

Brain lesions in infant female rhesus monkeys: effects on menarche and first ovulation and on diurnal rhythms of prolactin and cortisol. Norman RL, et al. **Endocrinology** 1981 May;108(5):1723–9

Dopamine in hypophysial portal plasma and prolactin in systemic plasma of rats treated with 5–hydroxytryptamine. Pilotte NS, et al. **Endocrinology** 1981 Jun;108(6):2137–41

The effect of pinealectomy on seasonal changes in prolactin secretion in the white–tailed deer (Odocoileus virginianus borealis). Schulte BA, et al. **Endocrinology** 1981 Jan; 108(1):173–8

Molecular size variants of prolactin and growth hormone in mouse serum: strain differences and alterations of concentrations by physiological and pharmacological stimuli. Sinha YN. **Endocrinology** 1980 Dec;107(6):1959–69

The effects of serotonin on prolactin and growth hormone concentrations in normal and pituitary stalk–sectioned monkeys. Wehrenberg WB, et al. **Endocrinology** 1980 Dec; 107(6):1747–50

Dopaminergic and serotonergic involvement in opiate–induced prolactin release in monkeys. Wehrenberg WB, et al. **Endocrinology** 1981 Aug;109(2):544–7

The interaction of estradiol and daylength in modifying serum prolactin secretion in female hamsters. Widmaier EP, et al. **Endocrinology** 1981 Feb;108(2):371–6

Effects of progesterone on normal and preneoplastic mammary development in mice in relation to prolactin and estrogen. Nagasawa H, et al. **Eur J Cancer** 1980 Aug; 16(8):1069–77

Amenorrhea, galactorrhea, hyperprolactinemia syndrome and breast carcinoma in a young woman. Buytaert P, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Apr; 11(5):341–6

Effects of lisuride and bromocriptine on inhibition of lactation and on serum prolactin levels: comparative double–blind study. Venturini PL, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 May;11(6):395–400

The relationship between maternal plasma prolactin and cortisol concentration during labor. Wladimiroff JW, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Jun;12(1):13–8

Prolactin response to exercise, metoclopramide and other provacative agents in children. Ijaiya K. **Eur J Pediatr** 1980 Sep;134(3):231–7

Endogenous hyperprolactinaemia enhances amphetamine– and apomorphine–induced stereotypy. Drago F, et al. **Eur J Pharmacol** 1981 Jun 19;72(2–3):249–53

Low retinal dopamine and serum prolactin levels indicate an inherited dopaminergic abnormality in BW rats. Wyse JP, et al. **Exp Eye Res** 1981 May;32(5):541–51

Immediate, preferential prolactin release after discrete brain lesions in male rats. Colombo JA, et al. **Exp Neurol** 1981 Jun;72(3):687–97

Effect of apomorphine hydrochloride administration on serum concentrations of prolactin and growth hormone in cattle. Gorewit RC. **Experientia** 1981 Feb 15;37(2):204–6

Effects of repeated administration of potassium canrenoate (SC–14266) on serum gonadotrophin, prolactin, testosterone and progesterone in male rats. Muraki T, et al. **Experientia** 1980 Jun 15;36(6):668–9

Plasma growth hormone and prolactin response to thyrotropin releasing hormone, L–dopa and luteinizing hormone–releasing hormone in alcoholic patients with liver cirrhosis. Zanoboni A, et al. **Farmaco [Prat]** 1980 Sep; 35(9):455–65

Failure of carbidopa and L–dopa to suppress the prolactin stimulating effect of sulpiride in normal man. Zanoboni A, et al. **Farmaco [Prat]** 1980 Oct;35(10):510–5

Benserazide induces migraine attacks. Irrelevance of concomitant hyperprolactinemia. Polleri A, et al. **Farmaco [Sci]** 1979 May;34(5):465–8

Response of serum prolactin to catechol estrogen in the immature rat. Barbieri RL, et al. **Fertil Steril** 1980 Oct; 34(4):391–3

A rationale for the use of bromocriptine in patients with amenorrhea and normoprolactinemia. Corenblum B, et al. **Fertil Steril** 1980 Sep;34(3):239–41

Pituitary response to luteinizing hormone–releasing hormone during haloperidol–induced hyperprolactinemia. Del Carmen Díaz M, et al. **Fertil Steril** 1981 Jun;35(6):626–8

Drug–induced primary hypothyroidism and hyperprolactinemia [letter] Kable WT. **Fertil Steril** 1981 Apr;35(4):483–4

Surgical treatment of pituitary prolactinomas: postoperative prolactin and fertility in seventy patients. Landolt AM. **Fertil Steril** 1981 Jun;35(6):620–5

Elevated prolactin levels in oral contraceptive pill–related hypertension. Lehtovirta P, et al. **Fertil Steril** 1981 Apr; 35(4):403–5

Serum progesterone, 17 alpha–hydroxyprogesterone, human chorionic gonadotropin, and prolactin in early pregnancy and a case of spontaneous abortion. Manganiello PD, et al. **Fertil Steril** 1981 Jul;36(1):55–60

Effects of hyperprolactinemia and bromocriptine on the human endometrium. Nunley WC Jr, et al. **Fertil Steril** 1981 Apr;35(4):479–80

Prolactin and reproduction. Pepperell RJ. **Fertil Steril** 1981 Mar;35(3):267–74

Acute effects of exercise on plasma concentrations of prolactin and testosterone in recreational women runners. Shangold MM, et al. **Fertil Steril** 1981 Jun;35(6):699–702

Ovarian response to short– and long–term administration of exogenous gonadotropin in patients with hyperprolactinemic amenorrhea: comparison with women with normoprolactinemic amenorrhea. Takada M, et al. **Fertil Steril** 1981 May;35(5):590–1

Sustained hyperprolactinemia in a normally menstruating woman with apparently normal ovarian function. Tambascia M, et al. **Fertil Steril** 1980 Sep;34(3):282–4

Rapid regression of a suprasellar extending prolactinoma after bromocriptine treatment during pregnancy. van Roon E, et al. **Fertil Steril** 1981 Aug;36(2):173–7

The effects on the ovulatory cycle of metoclopramide–induced increased prolactin levels during follicular development. Ylikorkala O, et al. **Fertil Steril** 1981 May;35(5):588–9

Circadian variation in plasma prolactin, gonadotropins, and testosterone in diabetic male patients with and without impotence. Zeidler A, et al. **Fertil Steril** 1981 Jun; 35(6):653–6

Lack of relationship between prolactin binding and growth rate of carcinogen–induced mammary tumors or circulating levels of mammotropic hormones in rats. Nagasawa H, et al. **Gan** 1980 Apr;71(2):271–2

Diurnal variations in serum luteinizing hormone, growth hormone, and prolactin concentrations in intact and pinealectomised chickens. Scanes CG, et al. **Gen Comp Endocrinol** 1980 Jun;41(2):266–9

Prolactin and the small intestine. Effect of hyperprolactinaemia on mucosal structure in the rat. Muller E, et al. **Gut** 1981 Jul;22(7):558–65

Hyperprolactinemic primary amenorrhea: case report with successful prolactin–lowering treatment and review of the literature. Farrari C, et al. **Gynecol Obstet Invest** 1980; 11(6):317–26

First–trimester serum prolactin levels in normal and complicated pregnancies. Riss P, et al. **Gynecol Obstet Invest** 1980;11(2):113–8

L–dopa effect on prolactin plasma levels in complicated and common migrainous patients. Vardi J, et al. **Headache** 1981 Jan;21(1):14–20

Ergot drugs suppress plasma prolactin and lactation but not aggression in parturient mice. Mann M, et al. **Horm Behav** 1980 Dec;14(4):319–28

Influence of the blood concentration of prolactin on the length of the sensitive period for establishing maternal behavior in sheep at parturition. Poindron P, et al. **Horm Behav** 1980 Jun;14(2):173–7

The effect of acute hypercalcemia on prolactin release in man. Ajlouni K, et al. **Horm Metab Res** 1981 May; 13(5):282–4

Modulation of pituitary LH and prolactin pools in amenorrheic women. II. Effects of low dose estrogen treatment. Bohnet HG, et al. **Horm Metab Res** 1980 Sep; 12(9):459–64

The effect of diphenylhydantoin on basal and stimulated thyroid stimulating hormone (TSH) and prolactin secretion in euthyroid and hypothyroid rats. Gambert SR, et al. **Horm Metab Res** 1980 Nov;12(11):636–7

Methyl–p–tyrosine effect on gonadotropin and prolactin pituitary release in women. Nicoletti I, et al. **Horm Metab Res** 1981 May;13(5):299–300

Antihistaminics H1 and H2 do not modify the human prolactin response to arginine infusion and insulin hypoglycemia. Pontiroli AE, et al. **Horm Metab Res** 1980 Oct;12(10):557–8

Effect of glucose of growth hormone, prolactin and thyroid–stimulating hormone response to diazepam in normal subjects. Ajlouni K, et al. **Horm Res** 1980; 13(3):160–4

Neurotransmitter–neuropeptide interaction. Wuttke W, et al.

In: Ferring Symposium on Brain and Pituitary Peptides, Munich, 1979. Brain and pituitary peptides : Ferring Symposium on Brain and Pituitary Peptides, Munich, June 30–July 1, 1979, Basel : Karger, 1980. WL 300 F392b 1979. pp.:190–201

Prolactin and cortisol in hypoalbuminemia. Chakraborty B, et al. **Indian Pediatr** 1980 Nov;17(11):875–7

Serum prolactin and radiological skull examinations in infertile men with azoospermia or severe oligozoospermia. Abyholm T, et al. **Int J Androl** 1980 Jun;3(3):229–35

Melatonin prevents decrease in plasma PRL and LH levels in male hamsters exposed to a short photoperiod. Cutty GB, et al. **Int J Androl** 1981 APr;4(2):281–90

Endocrinological studies in patients with metastatic malignant testicular germ cell tumours. Fossâ SD, et al. **Int J Androl** 1980 Oct;3(5):487–501

Serum prolactin levels in the prepubertal period in male and female rats. Control by photoperiod and gonadal status and relationship to puberty onset. Ramaley JA. **Int J Androl** 1981 Feb;4(1):91–104

Circadian periodicity of plasma prolactin in some neurological diseases. Ferrari E, et al. **Int J Chronobiol** 1979;6(4):231–42

Circadian variation of serum prolactin and TSH of women in health or with mammary carcinoma, fibroadenoma or fibrocystic mastopathy. Tarquini B, et al. **Int J Chronobiol** 1980;7(2):101–15

Serum prolactin levels in spermatic, renal, and cubital veins during spermatic vein ligation. Ron M, et al. **Int J Fertil** 1981;26(2):138–40

Hyperprolactinemia and polycystic ovarian syndrome. Tzingounis VA, et al. **Int J Fertil** 1979;24(4):276–80

Bromocriptine treatment of hyperprolactinemic infertility with ovulatory disturbances. Borenstein R, et al. **Int J Gynaecol Obstet** 1980;18(3):195–9

Neuroendocrine studies in affective disorders. Part 1. Plasma prolactin response to thyrotropin–releasing hormone in affective disorders: effect of ECT. Coppen A, et al. **J Affective Disord** 1980 Dec;2(4):311–5

Variables associated with peripartum traits in dairy cows. VII. Hormones, calf traits and subsequent milk yield. Erb RE, et al. **J Anim Sci** 1980 Jul;51(1):143–52

Prolactin response to sulpiride in hypogonadotropic, normogonadotropic, and hypergonadotropic primary amenorrhea. Batrinos ML, et al. **J Clin Endocrinol Metab** 1981 Aug;53(2):324–30

Paradoxical prolactin response to gonadotropin–releasing hormone during weight gain in patients with anorexia nervosa. Beumont PJ, et al. **J Clin Endocrinol Metab** 1980 Dec;51(6):1283–5

Prolactin and calcitonin responses to parathyroid hormone infusion in hypoparathyroid, pseudohypoparathyroid, and normal subjects. Brickman AS, et al. **J Clin Endocrinol Metab** 1981 Sep;53(3):661–4

Prolactin responsiveness to nomifensine in patients with hyperprolactinemia of tumorous or uncertain etiology. Camanni F, et al. **J Clin Endocrinol Metab** 1980 Sep; 51(3):650–3

Simultaneous pulsatile release of prolactin and luteinizing hormone induced by luteinizing hormone–releasing factor agonist. Casper RF, et al. **J Clin Endocrinol Metab** 1981 May;52(5):934–6

Effect of gamma–aminobutyric acid on growth hormone and prolactin secretion in man: influence of pimozide and domperidone. Cavagnini F, et al. **J Clin Endocrinol Metab** 1980 Oct;51(4):789–92

Prolactin–secreting pituitary adenomas in women. IV. Pituitary function in amenorrhea associated with normal or abnormal serum prolactin and sellar polytomography. Chang RJ, et al. **J Clin Endocrinol Metab** 1980 Oct; 51(4):830–5

Hyperprolactinemia is associated with increased immunoreactive somatomedin C in hypopituitarism. Clemmons DR, et al. **J Clin Endocrinol Metab** 1981 Apr; 52(4):731–5

Effect of central nervous system dopaminergic activation on prolactin secretion in man: evidence for a common central defect in hyperprolactinemic patients with and without radiological signs of pituitary tumors. Crosignani PG, et al. **J Clin Endocrinol Metab** 1980 Nov;51(5):1068–73

Induced human gestational hypoprolactinemia: lack of action on fetal adrenal androgen synthesis. del Pozo E, et al. **J Clin Endocrinol Metab** 1980 Oct;51(4):936–8

Plasma pituitary hormone responses to the synthetic

enkephalin analog (FK 33-824) in normal subjects and patients with pituitary diseases. Demura R, et al. **J Clin Endocrinol Metab** 1981 Feb;52(2):263-6

Diurnal rhythm of plasma immunoreactive beta-endorphin and its relationship to sleep stages and plasma rhythms of cortisol and prolactin. Dent RR, et al. **J Clin Endocrinol Metab** 1981 May;52(5):942-7

Plasma prolactin in acromegaly before and after treatment. de Pablo F, et al. **J Clin Endocrinol Metab** 1981 Aug; 53(2):344-52

Influence of thyroid status on dopaminergic inhibition of thyrotropin and prolactin secretion: evidence for an additional feedback mechanism in the control of thyroid hormone secretion. Feek CM, et al. **J Clin Endocrinol Metab** 1980 Sep;51(3):585-9

Chronobiological studies of plasma prolactin in women in Kyushu, Japan, and Minnesota, USA. Haus E, et al. **J Clin Endocrinol Metab** 1980 Sep;51(3):632-40

Serum prolactin after chest wall surgery: elevated levels after mastectomy. Herman V, et al. **J Clin Endocrinol Metab** 1981 Jan;52(1):148-51

Prolactin, growth hormone, thyrotropin, 3,5,3'-triiodothyronine, and thyroxine responses to exercise after fat- and carbohydrate-enriched diet. Johannessen A, et al. **J Clin Endocrinol Metab** 1981 Jan;52(1):56-61

Galactorrhea, oligo/amenorrhea, and hyperprolactinemia in patients with craniopharyngiomas. Kapcala LP, et al. **J Clin Endocrinol Metab** 1980 Oct;51(4):798-800

Deficient prolactin response to parathyroid hormone in hypocalcemic and normocalcemic pseudohypoparathyroidism. Kruse K, et al. **J Clin Endocrinol Metab** 1981 Jun;52(6):1099-105

Composition of breast fluid of a man with galactorrhea and hyperprolactinaemia. Kulski JK, et al. **J Clin Endocrinol Metab** 1981 Mar;52(3):581-2

Effects of thyrotropin-releasing hormone and metoclopramide in patients with phenothiazine-induced hyperprolactinemia. Lankford HV, et al. **J Clin Endocrinol Metab** 1981 Jul;53(1):109-2

The exaggerated prolactin response to thyrotropin-releasing hormone and metoclopramide in 1,2-dibromo-3-chloropropane-induced azoospermia. Leroith D, et al. **J Clin Endocrinol Metab** 1981 Jan; 52(1):38-41

Daughters of women with breast cancer have elevated mean 24-hour prolactin (PRL) levels and a partial resistance of PRL to dopamine suppression. Levin PA, et al. **J Clin Endocrinol Metab** 1981 Jul;53(1):179-83

Constancy of opioid control of luteinizing hormone in different pathophysiological states. Lightman SL, et al. **J Clin Endocrinol Metab** 1981 Jun;52(6):1260-3

Response of plasma prolactin to changes in ambient temperature and humidity in man. Mills DE, et al. **J Clin Endocrinol Metab** 1981 Feb;52(2):279-83

Decreased serum somatomedin C concentrations during sleep: temporal relationship to the nocturnal surges of growth hormone and prolactin. Minuto F, et al. **J Clin Endocrinol Metab** 1981 Mar;52(3):399-403

Prolactin-secreting pituitary adenomas. V. Increased gonadotroph responsivity in hyperprolactinemic women with pituitary adenomas. Monroe SE, et al. **J Clin Endocrinol Metab** 1981 Jun;52(6):1171-8

The relationship of androgen to the thyrotropin and prolactin responses to thyrotropin-releasing hormone in hypogonadal and normal men. Morley JE, et al. **J Clin Endocrinol Metab** 1981 Feb;52(2):173-6

Failure of dopaminergic blockade to affect prolactin, growth hormone, and cortisol responses to insulin-induced hypoglycemia in schizophrenics. Nathan RS, et al. **J Clin Endocrinol Metab** 1981 Apr;52(4):807-9

Effect of bombesin and ceruletide on prolactin, growth hormone, luteinizing hormone, and parathyroid hormone release in normal human males. Pontiroli AE, et al. **J Clin Endocrinol Metab** 1980 Dec;51(6):1303-5

The effect of histamine and H1 and H2 receptors on prolactin and luteinizing hormone release in humans: sex differences and the role of stress. Pontiroli AE, et al. **J Clin Endocrinol Metab** 1981 May;52(5):924-8

Acute prolactin release triggered by feeding. Quigley ME, et al. **J Clin Endocrinol Metab** 1981 May;52(5):1043-5

Acute changes in serum prolactin concentration have no effect on the secretion of progesterone, estradiol, or chorionic gonadotropin during early pregnancy. Ranta T, et al. **J Clin Endocrinol Metab** 1980 Sep;51(3):544-7

Calcium and calcium-antagonistic effects on prolactin and growth hormone responses to thyrotropin-releasing hormone and L-dopa in man. Röjdmark S, et al. **J Clin Endocrinol Metab** 1981 Sep;53(3):594-8

Dopaminergic control of thyrotropin, alpha-subunit, thyrotropin beta-subunit, and prolactin in euthyroidism and hypothyroidism: dissociated responses to dopamine receptor blockade with metoclopramide in hypothyroid subjects. Scanlon MF, et al. **J Clin Endocrinol Metab** 1981 Aug;53(2):360-5

Effects of naloxone on insulin-induced release of pituitary hormones. Serri O, et al. **J Clin Endocrinol Metab** 1981 Jul;53(1):206-8

Altered dopaminergic modulation of prolactin and aldosterone secretion in pseudohypoparathyroidism. Sowers JR, et al. **J Clin Endocrinol Metab** 1981 May; 52(5):914-8

The influence of long-term low dose thyrotropin-releasing hormone infusions on serum thyrotropin and prolactin concentrations in man. Spencer CA, et al. **J Clin Endocrinol Metab** 1980 Oct;51(4):771-5

A new sensitive and specific bioassay for lactogenic hormones: measurement of prolactin and growth hormone in human serum. Tanaka T, et al. **J Clin Endocrinol Metab** 1980 Nov;51(5):1058-63

Enhanced activity of the pituitary-gonadal axis in premature human infants. Tapanainen J, et al. **J Clin Endocrinol Metab** 1981 Feb;52(2):235-8

Rapid changes of prolactinoma volume after withdrawal and reinstitution of bromocriptine. Thorner MO, et al. **J Clin Endocrinol Metab** 1981 Sep;53(3):480-3

The effect of nursing on neurohypophyseal hormone and prolactin secretion in human subjects. Weitzman RE, et al. **J Clin Endocrinol Metab** 1980 Oct;51(4):836-9

Lymphocyte monoamine oxidase and plasma prolactin and growth hormone in tardive dyskinesia. Jeste DV, et al. **J Clin Psychiatry** 1981 Feb;42(2):75-7

Changes in somatomedin-like activity and concentrations of growth hormone and prolactin in the plasma of castrated growing lambs. Falconer J, et al. **J Dev Physiol** 1979 Oct; 1(5):337-42

Ultrastructure and immunocytochemistry of the pars distalis of the female rat when grafted under the kidney capsule and a parallel study of the plasma levels of prolactin. Aguado LI, et al. **J Endocrinol** 1981 Apr;89(1):157-66

Failure of short-term hyperprolactinaemia to increase the number of gonadotrophin receptors in the ram testis. Barenton B. **J Endocrinol** 1981 Mar;88(3):451-4

Oestrogen receptors in rat mammary tissue and plasma concentrations of prolactin during mammary carcinogenesis induced by oestrogen and ionizing radiation. Blankenstein MA, et al. **J Endocrinol** 1981 Feb;88(2):233-41

Decrease in human plasma prolactin levels by oral prostaglandin E2 in early puerperium. Caminiti F, et al. **J Endocrinol** 1980 Dec;87(3):333-7

Feedback effects of steroids on gonadotrophin release in hyperprolactinaemic, ovariectomized rats. Carter DA, et al. **J Endocrinol** 1981 Jun;89(3):431-5

Effects of mating on levels of oxytocin and prolactin in the plasma of male and female rabbits. Fuchs AR, et al. **J Endocrinol** 1981 Aug;90(2):245-53

Incubation in mallards (Anas platyrhynchos): changes in plasma levels of prolactin and luteinizing hormone. Goldsmith AR, et al. **J Endocrinol** 1980 Aug;86(2):371-9

Plasma prolactin and progesterone responses to mating are altered in ages rats. Hendricks S, et al. **J Endocrinol** 1981 Aug;90(2):179-91

Effects of neonatal treatment with oestrogen after ovariectomy on diurnal periodicities in plasma levels of prolactin, thyorotrophin and corticosterone in adult rats. Kühn ER, et al. **J Endocrinol** 1980 Aug;86(2):319-27

Dissociation in the regulation of luteinizing hormone and follicle-stimulating hormone in a hyperprolactinaemic rat model: interrelationships between gonadotrophin and prolactin control. Tresguerres JA, et al. **J Endocrinol** 1981 Jul;90(1):41-51

Augmentation of prolactin response to TRH after cyproheptadine. Ammini AC, et al. **J Endocrinol Invest** 1981 Jan-Mar;4(1):99-101

Partial remission of hyperprolactinemic amenorrhea after bromocriptine-induced pregnancy. Campagnoli C, et al. **J Endocrinol Invest** 1981 Jan-Mar;4(1):85-91

Effect of metergoline on serum prolactin stimulated by TRH. Iannotta F, et al. **J Endocrinol Invest** 1980 Jul-Sep; 3(3):301-3

Inhibition of cimetidine-induced hyperprolactinemia by pretreatment with metergoline. Iodice M, et al. **J Endocrinol Invest** 1981 Jan-Mar;4(1):111-3

Interference of dopamine infusion on gamma-amino butyric acid (GABA)-stimulated prolactin increase. Melis GB, et al. **J Endocrinol Invest** 1980 Oct-Dec;3(4):445-8

Effects of depot testosterone administration on serum levels of testosterone, FSH, LH and prolactin. Ruiz E, et al. **J Endocrinol Invest** 1980 Oct-Dec;3(4):385-8

Changes in serum prolactin following binding and constant light exposure. Sartin JL, et al. **J Endocrinol Invest** 1981 Jan-Mar;4(1):97-8

Effectiveness of the dopamine agonist lisuride in the treatment of acromegaly and pathological hyperprolactinemic states. Verde G, et al. **J Endocrinol Invest** 1980 Oct-Dec;3(4):405-14

Prolactin response as an index of dopaminergic receptor function in Parkinson's disease. Correlation with clinical findings and therapeutic response. Agnoli A, et al. **J Neural Transm** 1981;51(1-2):123-34

Effect of choline on central dopaminergic function in normal subjects. Lal S, et al. **J Neural Transm** 1981;50(1):29-37

Abnormal regulation of prolactin release in idiopathic Parkinson's disease. Lawton NF, et al. **J Neurol Neurosurg Psychiatry** 1980 Nov;43(11):1012-5

Serum prolactin in patients with hypothalamus and pituitary disorders. Lundberg PO, et al. **J Neurosurg** 1981 Aug; 55(2):194-9

Prolactin levels in aggressive pituitary tumors [letter] Vassilouthis J, et al. **J Neurosurg** 1980 Jul;53(1):131-2

Acute alcohol intake and pituitary gonadal hormones in normal human females. Mendelson JH, et al. **J Pharmacol Exp Ther** 1981 Jul;218(1):23-6

Serum prolactin concentrations in mangabey (Cercocebus atys lunulatus) and patas (Erythrocebus patas) monkeys in response to stress, ketamine, TRH, sulpiride and levodopa. Aidara D, et al. **J Reprod Fertil** 1981 May;62(1):165-72

Changes in concentrations of serum prolactin, FSH, oestradiol and progesterone and of the sex skin during the menstrual cycle in the mangabey monkey (Cercocebus atys lunulatus). Aidara D, et al. **J Reprod Fertil** 1981 Jul; 62(2):475-81

Effects of placentophagy on serum prolactin and progesterone concentrations in rats after parturition or superovulation. Blank MS, et al. **J Reprod Fertil** 1980 Nov; 60(2):273-8

Plasma prolactin levels in sows during pregnancy, parturition and early lactation. Dusza L, et al. **J Reprod Fertil** 1981 Jan;61(1):131-4

Effect of removal of lambs or treatment with bromocriptine on plasma concentrations of prolactin and FSH during the post-partum period in ewes lambing at different times during the breeding season. Fitzgerald BP, et al. **J Reprod Fertil** 1981 Jan;61(1):141-8

The effect of rearing under a long or short photoperiod on testis growth, plasma testosterone and prolactin concentrations, and the development of sexual behaviour in rams. Howles CM, et al. **J Reprod Fertil** 1980 Nov; 60(2):437-47

Plasma prolactin concentrations during the ovarian cycle and lactation and their relationship to return of fertility post partum in the common marmoset (Callithrix jacchus). McNeilly AS, et al. **J Reprod Fertil** 1981 Jul;62(2):353-60

Plasma gonadotrophins, prolactin and corticosterone concentrations in male mice exposed to high altitude. Rattner BA, et al. **J Reprod Fertil** 1980 Nov;60(2):431-6

The failure of prolactin to enhance the inhibitory effect of oestradiol-17 beta on LH synthesis and release in ewes. Wright PJ, et al. **J Reprod Fertil** 1981 Jul;62(2):537-42

Milk protein concentrations in galactorrhoeic mammary secretions. Yap PL, et al. **J Reprod Immunol** 1980 Feb; 1(5-6):347-57

Breast-feeding and post partum amenorrhoea in Central Africa. 2. Prolactin and post partum amenorrhoea. Delvoye P, et al. **J Trop Pediatr** 1980 Oct;26(5):184-9

Neuroendocrine effects of D,L-propranolol [letter] Malas KL, et al. **Lancet** 1981 Aug 22;2(8243):424

Effects of μrosomatostatin on growth hormone and prolactin response to arginine in man. Comparison with somatostatin. Rodriguez-Arnao MD, et al. **Lancet** 1981 Feb 14; 1(8216):353-6

Heterogeneity of prolactin responses to oestradiol benzoate in women with prolactinomas. White MC, et al. **Lancet** 1981 Jun 27;1(8235):1394-6

Slow decline of plasma drug and prolactin levels after discontinuation of chronic treatment with depot neuroleptics [letter] Wistedt B, et al. **Lancet** 1981 May 23; 1(8230):1163

Differential effects of cannabinoid exposure and stress on plasma prolactin, growth hormone and corticosterone levels in male mice. Dalterio SL, et al. **Life Sci** 1981 Feb 16;28(7):761-6

Current concepts: II. Effect of aminooxyacetic acid and bicuculline on prolactin release in castrated male rats. Debeljuk L, et al. **Life Sci** 1980 Dec 1;27(22):2025-9

During one year's neuroleptic treatment in rats striatal dopamine receptor blockade decreases but serum prolactin levels remain elevated. Dyer RG, et al. **Life Sci** 1981 Jan 12;28(2):167-74

Pharmacological difference of L-dopa, apomorphine, and bromocriptine against metoclopramide. Fang VS. **Life Sci** 1981 May 11;28(19):2143-9

Electrical stimulation of the median eminence in rats, changes in catecholamine content and in plasma prolactin and growth hormone concentrations. Fekete MI, et al. **Life Sci** 1980 Sep 15;27(11):929-33

Serum prolactin heterogeneity in the cow and goat. Gala RR, et al. **Life Sci** 1980 Sep 1;27(9):723-30

The prolactin response to intravenous dextroamphetamine in normal young men and postmenopausal women. Halbreich U, et al. **Life Sci** 1981 May 21;28(21):2337-42

The secretion and metabolic clearance rates of growth hormone, insulin and prolactin in high- and low-yielding cattle at four stages of lactation. Hart IC, et al. **Life Sci** 1980 Nov 17;27(20):1839-47

Size heterogeneity of plasma prolactin in the rat: TRH and serotonin-induced changes. Lawson DM, et al. **Life Sci** 1980 Sep 29;27(13):1147-51

Size heterogeneity of pituitary and plasma prolactin: effect of chronic estrogen treatment. Lawson DM, et al. **Life Sci** 1980 Oct 20;27(16):1489-94

Effect of 3-PPP, a putative dopamine autoreceptor agonist, on rat serum prolactin levels. Meltzer HY, et al. **Life Sci** 1981 Jul 6;29(1):99-105

Current concepts: I. The 24-hour profile of prolactin in depression. Mendlewicz J, et al. **Life Sci** 1980 Dec 1; 27(22):2015-24

Thyroid hormones are required for daily rhythms of plasma corticosterone and prolactin concentration. Ottenweller JE, et al. **Life Sci** 1981 Mar 2;28(9):1033-40

Suppression of serum prolactin by naloxone but not by anti-beta-endorphin antiserum in stressed and unstressed rats. Ragavam VV, et al. **Life Sci** 1981 Feb 23;28(8):921-9

Prolactin response to beta-endorphin in man. Schulz SC, et al. **Life Sci** 1980 Nov 10;27(19):1735-41

Oestrogens, gonadotropins and prolactin after intra-vaginal administration of oestriol in post-menopausal women.

Keller PJ, et al. **Maturitas** 1981 Mar;3(1):47–53
Interactions of oestrogens and hours of sleep on cortisol, FSH, LH, and prolactin in hypogonadal women. Schiff I, et al. **Maturitas** 1980 Oct;2(3):179–83
Effects of hyperprolactinemia on calciotropic hormones. Pettifor JM, et al. **Med Biol** 1980 Dec;58(6):319–21
Cushing's disease with hyperprolactinaemia treated by transsphenoidal hypophysectomy. Cromer T, et al. **Med J Aust** 1980 Jun 28;1(13):661–2
Effect of modification of fluid intake in the puerperium on serum prolactin levels and lactation. Horowitz M, et al. **Med J Aust** 1980 Nov 29;2(11):625–6
Diminished prolactin reserve in acromegaly. Spitz IM, et al. **Metabolism** 1980 Sep;29(9):880–4
Hyperprolactinemic disorders: an update. Reyniak JV, et al. **Mt Sinai J Med (NY)** 1980 Nov–Dec;47(6):612–7
Decreased bone density in hyperprolactinemic women. Klibanski A, et al. **N Engl J Med** 1980 Dec 25; 303(26):1511–4
Decreased bone density in hyperprolactinemic women [letter] Kollin E, et al. **N Engl J Med** 1981 May 28;304(22):1362–3
Dopamine and serum prolactin in methadone withdrawal. Gold MS, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1980;(34):367–72
Prolactin status in experimentally induced acute renal failure in the rat. Dobbie JW, et al. **Nephron** 1981;27(6):316–9
Hyperprolactinemia in chronic renal failure: impaired responsiveness to stimulation and suppression. Normalization after transplantation. Peces R, et al. **Nephron** 1981;28(1):11–6
Stimulation of prolactin secretion by neuroleptics in rats with medial basal hypothalamic lesions. Cheung CY, et al. **Neuroendocrinology** 1981 Jun;32(6):370–4
Dopamine levels in hypophysial stalk plasma and prolactin levels in peripheral plasma of the lactating rat: effects of a simulated suckling stimulus. de Greef WJ, et al. **Neuroendocrinology** 1981 Apr;32(4):229–33
Biochemical indices of catecholaminergic neuronal activity in the median eminence during the estrous cycle of the rat. Demarest KT, et al. **Neuroendocrinology** 1981 Jan; 32(1):24–7
Hyperprolactinemia counteracts the testosterone–induced inhibition of the preoptic area dopamine turnover. Kalra PS, et al. **Neuroendocrinology** 1981 Aug;33(2):118–22
Effect of partial deafferentation of the hypothalamus on stress–induced LH suppression and prolactin release. Kawakami M, et al. **Neuroendocrinology** 1981 May; 32(5):278–84
Shift in acrophase of circadian prolactin plasma levels in adult female rats following neonatal ovariectomy and estrogen treatment. Kühn ER, et al. **Neuroendocrinology** 1980 Nov; 31(5):343–8
Dopamine: effects on prolactin and luteinizing hormone secretion in ovariectomized rhesus macaques after transection of the pituitary stalk. Pavasuthipaisit K, et al. **Neuroendocrinology** 1981 Jan;32(1):42–9
Comparative studies of prolactin secretion in estradiol–primed and normal male rats induced by ether stress, pimozide and TRH. Piercy M, et al. **Neuroendocrinology** 1980 Oct;31(4):270–5
Physiological evidence for the existence of prolactin releasing factor: stress–induced prolactin secretion is not linked to dopaminergic receptors. Shin SH. **Neuroendocrinology** 1980 Dec;31(6):375–9
Dopaminergic mediation of beta–endorphin–induced prolactin secretion. Van Loon GR, et al. **Neuroendocrinology** 1980 Oct;31(4):293–6
Effects of estradiol on adenohypophyseal prolactin levels in sexually mature and immature rats. Perez Arce GA. **Neurosci Behav Physiol** 1980 Nov–Dec;10(6):504–6
Hyperprolactinemia, hypopituitarism, and chiasmal compression due to carcinoma metastatic to the pituitary. Leramo OB, et al. **Neurosurgery** 1981 Apr;8(4):477–80
Cushing's disease; with galactorrhea, amenorrhea, and normal prolactin levels. Goldman M, et al. **NY State J Med** 1980 Sep;80(10):1621–2
Feedback effects of estradiol and progesterone upon gonadotropin and prolactin release. March CM, et al. **Obstet Gynecol** 1981 Jul;58(1):10–6
Intrauterine exposure to narcotics and cord blood prolactin concentrations. Parekh A, et al. **Obstet Gynecol** 1981 Apr; 57(4):447–9
Experimental hyperprolactinemia and hypoprolactinemia and human chorionic gonadotropin during early pregnancy. Viinikka L, et al. **Obstet Gynecol** 1981 Apr;57(4):441–3
Human chorionic gonadotropin, estradiol, progesterone, prolactin, and B–scan ultrasound monitoring of complications in early pregnancy. Yuen BH, et al. **Obstet Gynecol** 1981 Feb;57(2):207–14
Action of the serotoninergic and dopaminergic antagonist methiothepin maleate on serum prolactin and growth hormone levels in man. Masala A, et al. **Panminerva Med** 1979 Apr–Jun;21(2):65–8
Partial or complete regression of hyperprolactinemic amenorrhea–galactorrhea syndrome after bromocriptine–induced pregnancy. Molinatti GM, et al. **Panminerva Med** 1980 Jul–Sep;22(3):125–30
Effects of tiapride infusion on plasma levels of beta–endorphin, prolactin and dopamine in patients with pain from cancer. Gennari C, et al. **Pathol Biol (Paris)** 1981 Feb;29(2):105–10
Elevation by fenfluramine of 3,4–dihydroxyphenylacetic acid in brain and of corticosterone and prolactin in serum of fenfluramine–pretreated rats. Fuller RW, et al. **Pharmacol Res Commun** 1981 Mar;13(3):275–80
Basal and stimulated levels of prolactin, TSH and LH in serum of chronic schizophrenic patients, long–term treated with neuroleptics. Naber D, et al. **Pharmakopsychiatr Neuropsychopharmakol** 1980 Nov; 13(6):325–30
Short–term endogenous hyperprolactinaemia and sexual behavior of male rats. Drago F, et al. **Physiol Behav** 1981 Feb;26(2):277–9
Changes in gonadotrophins and prolactin levels in isolated (seasonally or lactationally) anovular ewes associated with ovulation caused by the introduction of rams. Poindron P, et al. **Physiol Behav** 1980 Aug;25(2):227–36
Serum prolactin levels following augmentation mammaplasty. El–Hassan ND, et al. **Plast Reconstr Surg** 1981 Aug;68(2):215–7
Growth hormone, prolactin and thyrotrophin responses to thyrotrophin–releasing hormone in diabetic patients. Harrower AD. **Postgrad Med J** 1980 Jul;56(657):481–4
Effects of prolactin suppression on hypogonadism im patients on maintenance haemodialysis. Tharandt L, et al. **Proc Eur Dial Transplant Assoc** 1980;17:323–7
The influence of estrogen administration on plasma prolactin levels in the neonatally androgenized (NA) female rat. Gala RR. **Proc Soc Exp Biol Med** 1981 Feb;166(2):216–20
Effect of arginine vasotocin on luteinizing hormone and prolactin concentrations in serum of cattle. Kesner JS, et al. **Proc Soc Exp Biol Med** 1981 Jun;167(2):293–6
Dopaminergic Modulation of renin activity and aldosterone and prolactin secretion in the spontaneously hypertensive rat. Sowers JR, et al. **Proc Soc Exp Biol Med** 1980 Sep; 164(4):598–603
Serum prolactin levels following intramuscular chlorpromazine: two– and three–hour response as predictors of six–hour response. Busch DA, et al. **Psychiatry Res** 1979 Oct;1(2):153–9
Serum prolactin and opiate withdrawal. Gold MS, et al. **Psychiatry Res** 1980 May;2(2):205–10
Prolactin secretion in women with unipolar and bipolar depression. Linkowski P, et al. **Psychiatry Res** 1980 Dec; 3(3):265–71
Differential effects of basolateral amygdala lesions on behavior, corticosterone, and prolactin responses. Seggie J. **Psychiatry Res** 1979 Dec;1(3):283–95
Studies using releasing factors in Klinefelter's syndrome: the responses of LH and FSH to luteinizing hormone–releasing hormone and of prolactin and TSH to thyrotropin–releasing hormone before and after testosterone. Cheikh IE, et al. **Psychoneuroendocrinology** 1981;6(1):37–44
Absent prolactin response to L–tryptophan in normal and acromegalic subjects. Glass AR, et al. **Psychoneuroendocrinology** 1980;5(3):261–5
Increased serum prolactin levels during phenothiazine and butyrophenone treatment of six postpartum women. Goode DJ, et al. **Psychoneuroendocrinology** 1980 Dec;5(4):345–51
Differential prolactin responses to haloperidol and TRH in normal adult men. Hays SE, et al. **Psychoneuroendocrinology** 1981;6(1):45–52
Clozapine: plasma levels and prolactin response. Kane JM, et al. **Psychopharmacology (Berlin)** 1981;73(2):184–7
Neuroendocrine tests during treatment with neuroleptic drugs: I. Plasma prolactin response to chlorpromazine challenge. Kolakowska T, et al. **Psychopharmacology (Berlin)** 1981;72(3):283–5
Effect of lithium on prolactin responses to thyrotropin releasing hormone in patients with manic state. Tanimoto K, et al. **Psychopharmacology (Berlin)** 1981;72(2):129–33
Plasma fluphenazine and prolactin levels in schizophrenic patients during treatment with low and high doses of fluphenazine enanthate. Wiles D, et al. **Psychopharmacology (Berlin)** 1980;71(2):131–6
Correlation between incremental changes of oestradiol–17 beta and prolactin during the menstrual cycle by means of multiple plasma sampling. Kicovic PM, et al. **Reproduccion** 1981 Jan–Mar;5(1):43–8
Effect of bromocryptine in oligozoospermic men with hyperprolactinaemia. Krause W. **Reproduccion** 1980 Jul–Sep;4(3):241–6
LH and prolactin in estrogenized female rats: response to LHRH. Vaticón MD, et al. **Rev Esp Fisiol** 1980 Dec; 36(4):371–6
Prolactin, estriol and progesterone levels in frequent blood samples throughout normal pregnancy (lack of prolactin pulsatile secretion). Scaglia HE, et al. **Ric Clin Lab** 1981 Jan–Mar;11(1):65–74
Osteoporosis and prolactin. Sheppeard H, et al. **Scand J Rheumatol** 1980;9(3):175–6
The impact of prolactin assays on clinical endocrinology. Thomson JA. **Scott Med J** 1980 Apr;25(2):89–90
Radioimmunoassay of prolactin. Gwee HM, et al. **Singapore Med J** 1980 Oct;21(5):685–8
Endocrine outcome after transsphenoidal adenomectomy for prolactinoma: prolactin levels and tumor size as predicting factors. Aubourg PR, et al. **Surg Neurol** 1980 Aug; 14(2):141–3
Ultrastructure, immunohistochemistry and hormone release of pituitary adenomas in relation to prolactin production. Kameya T, et al. **Virchows Arch [Pathol Anat]** 1980; 387(1):31–46
[Pituitary adenomas (prolactinomas) and amenorrhea–galactorrhea] van der Merwe JV. **S Afr Med J** 1981 Jan 31;59(5):137–40 (87 ref.) (Eng. Abstr.) **(Afr)**
[Hyperprolactinemia as a cause of female infertility] Steib L, et al. **Akush Ginekol (Sofiia)** 1980;19(5–6):413–6 **(Bul)**
[Thyroid gland hormones and their effect on serum prolactin level after thyreoliberin–VUFB (author's transl)] Nedvídková J, et al. **Cas Lek Cesk** 1980 Nov 28; 119(48):1303–6 (Eng. Abstr.) **(Cze)**
[Hyperprolactinaemia in women of fertile age envisaged from endocrinological view–point (author's transl)] Marek J, et al. **Cesk Gynekol** 1981 May;46(4):271–81 (Eng. Abstr.) **(Cze)**
[Hyperprolactinemia and the polycystic ovary syndrome] Presl J. **Cesk Gynekol** 1981 Mar;46(2):133–4 **(Cze)**
[Effect of dopaminergic stimulation on growth hormone and prolactin in the treatment of acromegaly] Nedvídková J, et al. **Vnitr Lek** 1980 Oct;26(10):988–93 (Eng. Abstr.) **(Cze)**
[Syndromes of inappropriate responses to Thyreoliberin VUFB in diseases of the thyroid gland] Nedvídková J, et al. **Vnitr Lek** 1980;26(12):1214–9 (Eng. Abstr.) **(Cze)**
[Hyperprolactinemia and pregnancy] Seppälä M. **Duodecim** 1980;96(2):163–7 **(Fin)**
[Prolactin determination as a means of estimating the level of dopaminergic function during coma] Roquefeuil B, et al. **Agressologie** 1980;21(4):225–31 (Eng. Abstr.) **(Fre)**
[Comparison of postoperative blood levels of prolactin and somatotropin after two methods of anesthesia] Jullien Y, et al. **Ann Anesthesiol Fr** 1980;21(4):459–66 (Eng. Abstr.) **(Fre)**
[Prolactin: estimation and interest in clinical biology (author's transl)] Lemaitre BJ. **Ann Biol Clin (Paris)** 1980;38(3):151–6 (Eng. Abstr.) **(Fre)**
[Prolactin secretion during sleep at puberty. Preliminary results (author's transl)] Sultan C, et al. **Ann Biol Clin (Paris)** 1980;38(3):157–60 (Eng. Abstr.) **(Fre)**
[Chlorpromazine effect on plasma concentration of corticosterone, gonadotropins and prolactin in the pregnant rat (author's transl)] Lescoat G, et al. **Ann Endocrinol (Paris)** 1980;41(2):119–25 (Eng. Abstr.) **(Fre)**
[Analysis of mechanisms whereby pharmacologically–induced hyperprolactinemia leads to altered gonadotropin secretion (author's transl)] L'Hermite M, et al. **Ann Endocrinol (Paris)** 1980 May–Jun;41(3):243–4 (Eng. Abstr.) **(Fre)**
[The role of hyperprolactinaemia in sterility where the cycle is anovulatory and where there is deficit of progestogen. (Investigations of the pituitary reserves of FSH, LH and prolactin) (author's transl)] Botella–Llusia J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(5):501–4 (Eng. Abstr.) **(Fre)**
[Basal blood prolactin levels in male 'infertility': measurements of limited value (author's transl)] Guillon G. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(6):639–40 (Eng. Abstr.) **(Fre)**
[Hyperprolactinemia in the female drug addict (letter)] Vittecoq D, et al. **Nouv Presse Med** 1980 Mar 12;9(17):1243 **(Fre)**
[Prolactin and gonadotropin function in 35 males with alcohol–induced liver disease] Decoulx M, et al. **Rev Med Interne** 1980;1(2):173–9 (Eng. Abstr.) **(Fre)**
[Studies of the basal secretion and the response to TRH (thyrotropin–relapsing factor) of TSH (thyrotropin) and prolactin in Cushing's syndrome and Nelson's syndrome (author's transl)] Luton JP, et al. **Sem Hop Paris** 1981 May 8–15;57(17–18):841–9 (Eng. Abstr.) **(Fre)**
[Hyperprolactinemia : a misleading pathology too frequently unrecognized] Passa P, et al. **Sem Hop Paris** 1980 Oct 18–25;56(39–40):1617–9 **(Fre)**
[Comparative evolution of prolactin plasma levels during antidepressant treatment (author's transl)] Vandel B, et al. **Therapie** 1981 Jan–Feb;36(1):87–94 (Eng. Abstr.) **(Fre)**
[Secretion of prolactin in healthy men and women of different age (author's transl)] Hossdorf T, et al. **Aktuel Gerontol** 1980 Mar;10(3):119–26 (Eng. Abstr.) **(Ger)**
[Significance of LH–, FSH– and PRL determination by radioimmunoassay and of testicular biopsy findings in poor semen quality (author's transl)] Engel S, et al. **Dermatol Monatsschr** 1981 Jan;167(1):12–9 **(Ger)**
[Diagnosis of prolactin–dependent diseases] Göser R, et al. **Dtsch Med Wochenschr** 1980 Dec 19;105(51):1765–7 **(Ger)**
[Luteal insufficiency as a prolactin–related disorder of the menstrual cycle] Bohnet HG. **Fortschr Med** 1980 Nov 6; 98(41):1618–23 (Eng. Abstr.) **(Ger)**
[Epimestrol in the treatment of normoprolactinemic corpus–lutem deficiency (author's transl)] Bohnet HG, et al. **Geburtshilfe Frauenheilkd** 1980 Oct;40(10):926–32 (Eng. Abstr.) **(Ger)**
[Oral steroid contraception in hyperprolactinemia (author's transl)] Völker W, et al. **Geburtshilfe Frauenheilkd** 1981 Mar;41(3):199–203 (Eng. Abstr.) **(Ger)**
[Hyperprolactinemic ovarian insufficiency] Schneider HP, et al. **Gynaekologe** 1981 Jun;14(2):104–18 **(Ger)**
[Effect of caerulein on blood glucose, serum insulin, glucagon, prolactin and growth hormone before and after oral glucose load in healthy volunteers and diabetic patients (author's transl)] Landgraf R, et al. **Klin Wochenschr** 1981

Jun 1;59(11):539–43 (Eng. Abstr.) **(Ger)**

[Prolactin producing adenomas of the pituitary gland with primary localization in the sinus sphenoidalis (author's transl)] Bertram G, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Jun;60(6):308–11 (Eng. Abstr.) **(Ger)**

[Hyperprolactinemia as a frequent cause of amenorrhea and galactorrhea] Rjosk HK, et al. **Med Klin** 1980 Aug 15; 75(17):609–12 (29 ref.) **(Ger)**

[The influence of lithium salts and antidepressive medication on the serum prolactin level (author's transl)] Mühlbauer H, et al. **Pharmakopsychiatr Neuropsychopharmakol** 1980 Jul;13(4):213–7 (Eng. Abstr.) **(Ger)**

[Effect of high single doses of bromocriptine in schizophrenic patients with elevated serum prolactin levels and extrapyramidal side effects associated with neuroleptic treatment (author's transl)] Ringwald E, et al. **Pharmakopsychiatr Neuropsychopharmakol** 1980 Nov; 13(6):318–24 (Eng. Abstr.) **(Ger)**

[Medical treatment of hyperprolactinemia (author's transl)] del Pozo E. **Praxis** 1980 Dec 2;69(48):1800–4 (Eng. Abstr.) **(Ger)**

[Sterility due to hyperprolactinemia] Keller PJ. **Ther Umsch** 1980 Jun;37(6):459–62 (Eng. Abstr.) **(Ger)**

[Hyperprolactinemia] von Werder K, et al. **Verh Dtsch Ges Inn Med** 1980;86:73–83 **(Ger)**

[Prolactin and sterility (author's transl)] Santeler P, et al. **Wien Klin Wochenschr [Suppl]** 1980 Jul 4;92(14):488–94 (Eng. Abstr.) **(Ger)**

[Serum prolactin levels during therapy of prostatic cancer with oestradiol–17 beta–undecylate and cyproterone acetate (author's transl)] Spona J, et al. **Wien Klin Wochenschr [Suppl]** 1980 Jul 4;92(14):494–7 (Eng. Abstr.) **(Ger)**

[New results in the field of endocrinology with relevance for medical practice. Hyperprolactemia, endocrine adenomatoses, paraneoplastic hormone secretion and hormone therapy of breast carcinoma] Geyer G. **Wien Med Wochenschr** 1980 Aug 31;130(15–16):501–9 **(Ger)**

[The plasma prolactin level under fluphenazine treatment (author's transl)] Hinterhuber H, et al. **Wien Med Wochenschr** 1980 Sep 15;130(17):566–70 (Eng. Abstr.) **(Ger)**

[Hyperprolactinaemic endocrinopathy in gynaecological practice (author's transl)] Alexander H, et al. **Zentralbl Gynaekol** 1980;102(6):346–52 (Eng. Abstr.) **(Ger)**

[Experience obtained from prolactin–inhibiting therapy for functional sterility (author's transl)] Gazárek F, et al. **Zentralbl Gynaekol** 1980;102(20):1145–7 (Eng. Abstr.) **(Ger)**

[Role of prolactin determination in sterility diagnosis (author's transl)] Kapitza W, et al. **Zentralbl Gynaekol** 1981; 103(7):387–91 (Eng. Abstr.) **(Ger)**

[Hyperprolactinaemic amenorrhoea caused by retrosellar adamantinoma of basis encephali (author's transl)] Neeb U, et al. **Zentralbl Gynaekol** 1980;102(3):181–5 (Eng. Abstr.) **(Ger)**

[Prolactin determination in the early diagnosis of pituitary tumors] Bartal A, et al. **Harefuah** 1980 Mar 2;98(5):218–20 (Eng. Abstr.) **(Heb)**

[The importance of the prolactin level in the development and treatment of amenorrhea–galactorrhea caused by hormonal contraceptives] Godó G, et al. **Orv Hetil** 1980 May 4;121(18):1059–62 **(Hun)**

[Evaluation of motor behavior in conditions of hyperprolactinemia] Rampello L, et al. **Acta Neurol (Napoli)** 1981 Feb;36(1):297–301 (Eng. Abstr.) **(Ita)**

[Psychoendocrine aspects of hyperprolactinemic amenorrhea] Leggiadro N, et al. **Acta Neurol [Quad] (Napoli)** 1979;39:229–34 **(Ita)**

[Evaluation of motor behavior in hyperprolactinemic conditions] Rampello L, et al. **Acta Neurol [Quad] (Napoli)** 1981;42:297–301 (Eng. Abstr.) **(Ita)**

[Effect of pretreatment with metoclopramide on plasma prolactin response to methergoline] Bizzarro A, et al. **Boll Soc Ital Biol Sper** 1979 Dec 30;55(24):2575–81 (Eng. Abstr.) **(Ita)**

[Urinary levels of dehydroepiandrosterone in a group of male patients with functional hyperprolactinemia] Chiodera P, et al. **Boll Soc Ital Biol Sper** 1981 Jan 15;57(1):52–6 (Eng. Abstr.) **(Ita)**

[Effects of some prostaglandins on plasma levels of prolactin in the rat] Costa G, et al. **Boll Soc Ital Biol Sper** 1979 Aug 15;55(15):1485–91 (Eng. Abstr.) **(Ita)**

[Inhibitory effects of atropine on serum prolactin levels after TRH stimulation] De Martino F, et al. **Boll Soc Ital Biol Sper** 1980 Apr 30;56(8):809–15 (Eng. Abstr.) **(Ita)**

[Prolactin response to TRH in insulin–dependent diabetes mellitus] Gragnoli G, et al. **Boll Soc Ital Biol Sper** 1980 Oct 15;56(19):1989–95 (Eng. Abstr.) **(Ita)**

[Effects of pentobarbital on serum PRL and TSH in the basal condition and under TRH stimulation in man: preliminary note] Iannucci F, et al. **Boll Soc Ital Biol Sper** 1980 Jun 30;56(12):1281–6 (Eng. Abstr.) **(Ita)**

[Prolactin after repeated intravenous injections of cimetidine] Morosini PP, et al. **Boll Soc Ital Biol Sper** 1979 Jan 15; 55(1):10–3 (Eng. Abstr.) **(Ita)**

[Cimetidine and hyperprolactinemia] Morosini PP, et al. **Boll Soc Ital Biol Sper** 1979 Jan 15;55(1):14–7 (Eng. Abstr.) **(Ita)**

[Serum prolactin in obese subjects with glucose intolerance before and after treatment with phenformin] Pata P, et al. **Boll Soc Ital Biol Sper** 1981 Mar 15;57(5):522–5 (Eng. Abstr.) **(Ita)**

[Serum prolactin in obese subjects with and without glucose intolerance] Smedile G, et al. **Boll Soc Ital Biol Sper** 1981 Mar 15;57(5):518–21 (Eng. Abstr.) **(Ita)**

[Circadian behavior of plasma testosterone and gonadotropins during hyperprolactinemia induced by administration of fluphenazine decanoate] Magnatta R, et al. **Clin Ter** 1980 Mar 15;92(5):469–75 (Eng. Abstr.) **(Ita)**

[Influence of endogenous hyperprolactinemia induced with administration of fluphenazine decanoate on urinary excretion of sodium and potassium] Spallone L, et al. **Clin Ter** 1980 Feb 29;92(4):389–97 (Eng. Abstr.) **(Ita)**

[Normal prolactin values in a group of patients with idiopathic erectile impotence: preliminary observations] Chiodera P, et al. **G Clin Med** 1980 Jul;61(7):530–4 (Eng. Abstr.) **(Ita)**

[Relation between prolactin and the renin–angiotensin–aldosterone system] Ravaglia G, et al. **G Clin Med** 1980 Aug;61(8):611–5 (Eng. Abstr.) **(Ita)**

[Clinical significance of prolactin in amenorrheas] Garzarelli S, et al. **Minerva Ginecol** 1981 Apr;33(4):315–20 (Eng. Abstr.) **(Ita)**

[Use of dopaminergic drugs (pyridoxine, 2–bromo–alpha–ergocriptine, piribedil) in blocking lactation] Lo Dico G, et al. **Minerva Ginecol** 1980 Sep; 32(9):771–9 (Eng. Abstr.) **(Ita)**

[Premenstrual syndrome and hyperprolactinemia] Tolino A, et al. **Minerva Ginecol** 1981 Feb–Mar;33(2–3):239–42 (Eng. Abstr.) **(Ita)**

[Levels of prolactin in atherosclerotic subjects before and after HCG tests] Campisi D, et al. **Minerva Med** 1980 Jun 16;71(24):1727–9 (Eng. Abstr.) **(Ita)**

[Basal prolactinemia and level after stimulation with TRH in juvenile gynecomastia] Lo Giudice C, et al. **Minerva Med** 1980 Oct 27;71(41):2997–303 (Eng. Abstr.) **(Ita)**

[Excessive prolactinemic response to sulpiride in patients with mild essential hypertension. Index of diminished hypothalamic dopaminergic activity] Paladini G, et al. **Minerva Med** 1980 Sep 1;71(31):2229–35 (Eng. Abstr.) **(Ita)**

[Early the larche and hyperprolactinemia in the Smith–Lemli–Opitz syndrome] Calvani M, et al. **Minerva Pediatr** 1979 Dec 15;31(23):1721–32 (Eng. Abstr.) **(Ita)**

[GH, prolactin and microangiopathy in insulin–dependent diabetes] Cerutti F, et al. **Minerva Pediatr** 1981 Feb 15; 33(3):127–30 (Eng. Abstr.) **(Ita)**

[Bromocriptine in the treatment of normal prolactinemic anovulation] Messalli E, et al. **Riv Ital Ginecol** 1980; 59(2–3):111–8 **(Ita)**

[Our experience in the inhibition of lactation (Controlled clinical study with bromocriptine, methergoline and pyridoxine)] Vecchione A, et al. **Riv Ital Ginecol** 1980; 59(2–3):311–9 (Eng. Abstr.) **(Ita)**

[Prolactinomas and 'idiopathic' hyperprolactinemia. Case series] Volpe A, et al. **Riv Neurol** 1980 Sep–Oct; 50(5):350–61 (Eng. Abstr.) **(Ita)**

[Study on hyperprolactinemic anovulatory syndrome and treatment with bromocriptine (author's transl)] Fukunaga T. **Acta Obstet Gynaecol Jpn** 1981 Feb;33(2):229–38 (Eng. Abstr.) **(Jpn)**

[Variation of growth hormone and prolactin levels in umbilical vein (author's transl)] Yaginuma T, et al. **Acta Obstet Gynaecol Jpn** 1981 Feb;33(2):207–14 (Eng. Abstr.) **(Jpn)**

[Hyperprolactinemia (2) (author's transl)] Uozumi T, et al. **Neurol Med Chir (Tokyo)** 1980 Dec;20(12):1173–82 **(Jpn)**

[The influence of hyperprolactin state on ovarian functions (author's transl)] Aso T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Sep; 32(9):1239–48 **(Jpn)**

[A study on the significance of bromocriptine (CB–154) administration in normoprolactinemic anovulatory women (author's transl)] Ishimaru T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Oct; 32(10):1583–90 (Eng. Abstr.) **(Jpn)**

[An endocrinological study of hyperprolactinemia and its treatment (author's transl)] Kimura T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Jun;32(6):784–92 (Eng. Abstr.) **(Jpn)**

[Prolactin secretion during normal pregnancy and puerperium, particularly with regard to nursing (author's transl)] Wada Y. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Jul;32(7):891–8 (Eng. Abstr.) **(Jpn)**

[A case of craniopharyngioma with hyperprolactinemia in postoperative course (author's transl)] Miwa T, et al. **No Shinkei Geka** 1981 Apr;9(5):559–66 (Eng. Abstr.) **(Jpn)**

[Attempt at diagnosis of pituitary microadenomas as a cause of spontaneous hyperprolactinemia] Zgliczyński S. **Endokrynol Pol** 1980 Sep–Oct;31(5):487–96 (Eng. Abstr.) **(Pol)**

[Hyperprolactinemia and galactorrhea in women after head injuries] Teter J, et al. **Pol Tyg Lek** 1981 Mar 30; 36(13):469–72 (Eng. Abstr.) **(Pol)**

[Experience with using pergonal in endocrine sterility with hyperprolactinemic amenorrhea patients] Kulakov VI, et al. **Akush Ginekol (Mosk)** 1981 Feb;(2):26–8 (Eng. Abstr.) **(Rus)**

[Hyperprolactinemia as a cause of sterility and its treatment with bromoergocryptine] Pakhomova IA, et al. **Akush Ginekol (Mosk)** 1980 Oct;(10):57–8 **(Rus)**

[Adrenal cortical androgen function in women suffering from sterility and hyperprolactinemia] Pobedinskiĭ NM, et al. **Akush Ginekol (Mosk)** 1981 Feb;(2):10–2 (Eng. Abstr.) **(Rus)**

[Effect of premedication on the prolactin level] Savinskaia AP, et al. **Anesteziol Reanimatol** 1980 Aug;(4):18–21 (Eng. Abstr.) **(Rus)**

[Pituitary hormone level in breast cancer patients] Agranat VZ, et al. **Med Radiol (Mosk)** 1981 Mar;26(3):3–8 (Eng. Abstr.) **(Rus)**

[Effect of mastectomy on the prolactin level in the blood] Nikogosian GA. **Med Radiol (Mosk)** 1981 Mar;26(3).8–13 (Eng. Abstr.) **(Rus)**

[Effect of thyroliberin on the prolactin level in the blood serum of primary hypothyroid patients] Matveeva LS. **Probl Endokrinol (Mosk)** 1980 Sep–Oct;26(5):15–22 (Eng. Abstr.) **(Rus)**

[Hyperprolactinemic hypogonadism] Mel'nichenko GA, et al. **Sov Med** 1980;(9):70–4 **(Rus)**

[Prolactinemia in newly diagnosed hypothyroidism and hyperthyroidism] Djurić DS, et al. **Srp Arh Celok Lek** 1980 Feb;108(2):105–10 (Eng. Abstr.) **(Scc)**

[Hyperprolactinemia and primary amenorrhea] Grizelj V, et al. **Jugosl Ginekol Opstet** 1979 Sep–Dec;19(5–6):249–52 (Eng. Abstr.) **(Scr)**

[Hyperprolactinemia and amenorrhea (author's transl)] Drobnjak P, et al. **Ljiec Vjesn** 1980 Jun;102(6):285–94 (Eng. Abstr.) **(Scr)**

[Hyperprolactinemia, secondary amenorrhea and sterility] Botella Llusiá J. **An R Acad Nac Med (Madr)** 1980; 97(3):463–84 **(Spa)**

[Prolactinemia and ovarian function regulation disorders. I. Amenorrhea–galactorrhea] Pérez Peña E, et al. **Ginecol Obstet Mex** 1980 Aug;48(286):69–75 (Eng. Abstr.) **(Spa)**

[Effect of constant light on the circadian rhythm of prolactin (author's transl)] Aguilar E, et al. **Rev Esp Fisiol** 1981 Mar; 37(1):53–6 (Eng. Abstr.) **(Spa)**

[Plasma prolactin and cancer] Ruibal A. **Rev Esp Oncol** 1980; 27(3):523–6 **(Spa)**

CEREBROSPINAL FLUID

Testosterone, cortisol, prolactin and bioactive luteinizing hormone in day and night samples of cerebrospinal fluid and serum of male rhesus monkeys. Puri CP, et al. **Brain Res** 1980 Nov 3;200(2):377–87

Diurnal variation in cerebrospinal fluid prolactin concentration of the rhesus monkey. Kalin NH, et al. **J Clin Endocrinol Metab** 1981 May;52(5):857–8

Low cerebrospinal fluid prolactin levels in patients with central cerebral atrophy. Hyyppä MT, et al. **J Neurol Sci** 1980 Jul;47(1):145–6

Prolactin levels in cerebrospinal fluid of patients with chronic schizophrenia. Rimón R, et al. **Neuropsychobiology** 1981; 7(2):87–93

DEFICIENCY

Corticotrophin, growth hormone and prolactin deficiencies with hypoaldosteronism and corticosteroid–reversible hypothyroidism in Sheehan's syndrome. Clinical and anatomical correlations. Jordan RM, et al. **Acta Endocrinol (Copenh)** 1980 Sep;95(1):12–22

Prolactin deficiency, obesity, and enlarged testes—a new syndrome? Roitman A, et al. **Arch Dis Child** 1980 Aug; 55(8):647–9

Prolactin deficiency, obesity, and enlarged testes [letter] Super M. **Arch Dis Child** 1981 Feb;56(2):156

Diminished prolactin reserve with myotonic dystrophy. May PB, et al. **J Endocrinol Invest** 1980 Oct–Dec;3(4):415–8

A chronically hypoprolactinemic rat model: administration of lergotrile mesylate by osmotic minipump. Mills DE, et al. **Proc Soc Exp Biol Med** 1981 Mar;166(3):438–41

DIAGNOSTIC USE

Failure of prolactin infusion to elicit adrenal androgen secretion. Parker LN, et al. **Arch Androl** 1981 Jun; 6(4):323–6

GENETICS

Radioautographic localization of prolactin messenger RNA on histological sections by in situ hybridization. Pochet R, et al. **Brain Res** 1981 May 4;211(2):433–8

Human prolactin. cDNA structural analysis and evolutionary comparisons. Cooke NE, et al. **J Biol Chem** 1981 Apr 25; 256(8):4007–16

Probable nuclear precursors of preprolactin mRNA in rat pituitary cells. Hoffman LM, et al. **J Biol Chem** 1981 Mar 25;256(6):2597–600

Regulated expression of the prolactin gene in rat pituitary tumor cells. Brennessel BA, et al. **J Cell Biol** 1980 Oct; 87(1):6–13

Genomic organization of rat prolactin and growth hormone genes. Chien YH, et al. **Proc Natl Acad Sci USA** 1980 Aug; 77(8):4583–7

The prolactin gene is located on chromosome 6 in humans. Owerbach D, et al. **Science** 1981 May 15;212(4496):815–6

IMMUNOLOGY

Characterization of antisera against bovine prolactin for in vivo studies on prolactin function in the rat. Kofler R, et al. **Clin Exp Immunol** 1980 Jul;41(1):55–62

The effects of estrogen on prolactin cells of the male rat pituitary. An immunocytologic and autoradiographic study. Corenblum B, et al. **Endocr Res Commun** 1980; 7(3):137–44

Development of antiserum against bovine prolactin for radioimmunoassay. Razdan MN, et al. **Indian J Exp Biol** 1980 Dec;18(12):1366–7

[Immunochemical approach in the study of growth hormone and prolactin] Zenkevich GA. **Usp Sovrem Biol** 1980 Jul–Aug;90(1):97–107 **(Rus)**

ISOLATION & PURIFICATION

Human pituitary prolactin: isolation and characterization of three isohormones with different bioassay and radioimmunoassay activities. Nyberg F, et al. **Biochim Biophys Acta** 1980 Oct 21;625(2):255–65

Purification and properties of bullfrog prolactin. Yamamoto K, et al. **Endocrinol Jpn** 1981 Feb;28(1):59–64

Isolation and partial characterization of secreted hamster pituitary prolactin. Colosi P, et al. **Endocrinology** 1981 Mar; 108(3):850–4

Isolation and characterization of turkey prolactin. Cheng KW, et al. **J Reprod Fertil** 1981 Jul;62(2):407–15

METABOLISM

Effect of CNS peptides on hypothalamic regulation of pituitary secretion. Imura H, et al. **Adv Biochem Psychopharmacol** 1981;28:557–70 (35 ref.)

Functional classification of cell types in the growth hormone– and prolactin–secreting rat MtTW mammosomatotropic tumor with ultrastructural immunocytochemistry. Baskin DG, et al. **Am J Anat** 1980 Aug;158(4):455–61

Immunocytochemistry of prolactin–producing human pituitary adenomas. Duello TM, et al. **Am J Anat** 1980 Aug;158(4):463–9

Morphology of the mammotrophs and gonadotrophs in the anterior pituitary gland of rats with protein–calorie malnutrition. Herbert DC. **Am J Anat** 1980 Aug; 158(4):521–31

Electron–microscopic cytochemical studies on the secretory process in rat prolactin cells in primary culture. Tougard C, et al. **Am J Anat** 1980 Aug;158(4):471–90

Prolactin metabolism in the rat: role of the kidney in degradation of the hormone. Emmanouel DS, et al. **Am J Physiol** 1981 May;240(5):F437–45

Prolactin level in relation to gonadotrophin concentration during different phases of annual reproductive cycle in the freshwater catfish, Clarias batrachus (Linn.). Singh SP, et al. **Ann Endocrinol (Paris)** 1980 Sep–Oct;41(5):415–24

The fluorescein–mediated interaction of bovine serum albumin with fluorescent derivatives of prolactin and other polypeptides in polarization of fluorescence based assays. Church WR, et al. **Arch Biochem Biophys** 1981 Feb; 206(2):285–90

Pituitary prolactin in certain brood parasitic cuckoos. Höhn EO, et al. **Biochem Exp Biol** 1979;15(4):307–10

Receptors for somatotropin (growth hormone) and prolactin. Wallis M, et al. **Biochem Soc Trans** 1981 Feb;9(1):33–5

Bromoergocryptine–induced prolactin degradation in cultured pituitary cells. Maurer RA. **Biochemistry** 1980 Jul 22;19(15):3573–8

Stimulatory effect of luteinizing hormone and human chorionic gonadotropin on testicular prolactin receptor levels. Kelly PA, et al. **Biol Reprod** 1980 Dec;23(5):924–8

Metergoline and cyproheptadine suppress prolactin release by a non–5–hydroxytryptaminergic, non–dopaminergic mechanism. Besser GM, et al. **Br J Pharmacol** 1980 Sep; 70(1):5–7

Prolactin binding to dissociated cells from rat mammary tumors and mammary gland. Smith RD, et al. **Cancer Biochem Biophys** 1979;3(3):117–21

Effect of ovariectomy on hormone receptors and growth of N–nitrosomethylurea–induced mammary tumors in the rat. Arafah BM, et al. **Cancer Res** 1980 Dec;40(12):4628–30

Miscleavage at the presequence of rat preprolactin synthesized in pituitary cells incubated with a threonine analog. Hortin G, et al. **Cell** 1981 May;24(2):453–61

Evidence for the presence of specific prolactin binding protein in rat seminal vesicle fluid. Raikar RS, et al. **Endocrinol Exp (Bratisl)** 1981;15(1):55–64

Hormonal regulation of testicular luteinizing hormone and prolactin receptors. Chan V, et al. **Endocrinology** 1981 May; 108(5):1607–12

Differential effects of hypothyroidism on the specific uptake of growth hormone and prolactin by the rat liver. Durán–García S, et al. **Endocrinology** 1981 Jun; 108(6):2054–9

Effects of chronic hyperprolactinemia in mice on plasma gonadotropin concentrations and testicular human chorionic gonadotropin binding sites. Klemcke HG, et al. **Endocrinology** 1981 May;108(5):1763–8

Estrogen alters the responsiveness of the anterior pituitary gland to the actions of dopamine on lysosomal enzyme activity and prolactin release. Nansel DD, et al. **Endocrinology** 1981 Mar;108(3):903–7

Tumor–promoting phorbol esters affect production of prolactin and growth hormone by rat pituitary cells. Osborne R, et al. **Endocrinology** 1981 Apr;108(4):1164–70

Opiates act centrally on GH and PRL release. Panerai AE, et al. **Endocrinology** 1981 Jun;108(6):2400–2

Preferential release of newly synthesized prolactin granules is the result of functional heterogeneity among mammotrophs. Walker AM, et al. **Endocrinology** 1980 Oct; 107(4):1095–104

Ovarian hyperstimulation in rats. Lindenbaum ES, et al. **Eur J Obstet Gynaecol Reprod Biol** 1980 Sep;11(1):57–67

Plasma and pituitary concentrations of LH, FSH and prolactin in aged superovulated C57BL/6, CD–1 and B6D2F1 mice. Collins TJ, et al. **Exp Gerontol** 1980; 15(4):209–16

Gonadotropin secretion in rats bearing a prolactin–secreting pituitary tumor: effects of naloxone administration. Lamberts SW, et al. **Fertil Steril** 1981 May;35(5):557–62

Prolactin concentrations in the pituitary gland and plasma of Japanese quail in relation to photoperiodically induced sexual maturation and egg laying. Goldsmith AR, et al. **Gen Comp Endocrinol** 1980 Dec;42(4):449–54

Possible involvement of dopamine in the release of prolactin–like hormone from bullfrog pituitary gland. Kikuyama S, et al. **Gen Comp Endocrinol** 1980 Jun; 41(2):173–9

Modulation of pituitary LH and prolactin pools in amenorrheic women. I. Effects of high dose estrogen or gestagen treatment. Bohnet HG, et al. **Horm Metab Res** 1980 Aug;12(8):390–6

Prolactin and placental hormone levels during pregnancy in prolactinomas. Batrinos ML, et al. **Int J Fertil** 1981; 26(2):77–85

The levels of the male serum and seminal fluid prolactin in oligospermia and azoospermia. Suchanek E, et al. **Int J Fertil** 1981;26(2):128–31

Transport of an uncleaved preprotein into the endoplasmic reticulum of rat pituitary cells. Hortin G, et al. **J Biol Chem** 1981 Feb 25;256(4):1491–4

Molecular organization of prolactin granules. III. Intracellular transport of sulfated glycosaminoglycans and glycoproteins of the bovine prolactin granule matrix. Giannattasio G, et al. **J Cell Biol** 1980 Jul;86(1):273–9

Molecular organization of prolactin granules. II. Characterization of glycosaminoglycans and glycoproteins of the bovine prolactin matrix. Zanini A, et al. **J Cell Biol** 1980 Jul;86(1):260–72

The presence of lactogen receptors in human chorion laeve. Herington AC, et al. **J Clin Endocrinol Metab** 1980 Dec; 51(6):1466–8

The transport of prolactin by human fetal membranes. Riddick DH, et al. **J Clin Endocrinol Metab** 1981 Feb; 52(2):220–4

Thyrotropin–releasing hormone stimulation of prolactin release from clonal rat pituitary cells: evidence for action independent of extracellular calcium. Gershengorn MC, et al. **J Clin Invest** 1981 Jun;67(6):1769–76

Specific prolactin binding in the rat adrenal gland: its characterization and hormonal regulation. Calvo JC, et al. **J Endocrinol** 1981 May;89(2):317–25

Prolactin receptors in the rat kidney. Mountjoy K, et al. **J Endocrinol** 1980 Oct;87(1):47–54

The effect of freezing and storage on seminal immunoreactive prolactin. Luqman WA, et al. **J Endocrinol Invest** 1980 Oct–Dec;3(4):433–5

Specific uptake of human growth hormone by the liver of severely hypothyroid rats. Padron F, et al. **J Endocrinol Invest** 1981 Jan–Mar;4(1):119–23

Immunoenzymatic localization of prolactin–like immunoreactivity in decidual cells of the endometrium from pregnant and nonpregnant women. Meuris S, et al. **J Histochem Cytochem** 1980 Dec;28(12):1347–50

Plasma and pituitary concentrations of LH, FSH and prolactin in aged female C57BL/6 mice. Parkening TA, et al. **J Reprod Fertil** 1980 Mar;58(2):377–86

The influence of vasoactive intestinal polypeptide and cholecystokinin on prolactin release in rat and human monolayer cultures. Malarkey WB, et al. **Life Sci** 1981 Jun 1;28(22):2489–95

Binding of iodinated rat and ovine prolactins to prolactin receptors and to its antibodies. Barkey RJ, et al. **Mol Cell Endocrinol** 1981 Jul;23(1):105–13

Changes in specific prolactin binding in Rana catesbeiana Tadpole tissues during metamorphosis and following prolactin and thyroid–hormone treatment. Carr FE, et al. **Mol Cell Endocrinol** 1981 Jul;23(1):65–76

Rat serum inhibits prolactin release from rat pituitary mammotrophs in culture. Hymer WC, et al. **Mol Cell Endocrinol** 1981 Apr;22(1):55–70

Newly synthesized prolactin is preferentially secreted by the adenohypophysis in a primary cell culture system. Piercy M, et al. **Mol Cell Endocrinol** 1981 Jan;21(1):75–84

Prolactin status in chronic nephropathy in the rat. Cowden EA, et al. **Nephron** 1981;27(2):84–8

Modulation by dopamine antagonists of DNA synthesis in the pituitary gland of the male rat. Jacobi JM, et al. **Neuroendocrinology** 1981 Aug;33(2):97–100

Restoration of pituitary prolactin synthesis and release by the administration of morphine to rats bearing a transplanted prolactin–secreting tumor. Login IS, et al. **Neuroendocrinology** 1981 Aug;33(2):101–4

Evidence that serotonin is involved in prolactin release by electrical stimulation of the medial basal hypothalamus in the rhesus monkey. Pavasuthipaisit K, et al. **Neuroendocrinology** 1980 Oct;31(4):256–60

Calcium rather than cyclic AMP as the physiological intracellular regulator of prolactin release. Thorner MO, et al. **Neuroendocrinology** 1980 Dec;31(6):390–402

Incorporation of regulatory peptide hormones by individual cells of the adrenal cortex: prolactin–adrenocorticotrophin differences. Nolin JM. **Peptides (Fayetteville)** 1980 Fall; 1(3):249–55

Prostaglandin I2 modifies both prolactin binding capacity and fluidity of mouse liver membranes. Dave JR, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6597–600

Ovine prolactin: equilibrium characteristics of the recombinant molecule formed by noncovalent interaction of two fibrinolysin fragments by fluorescence polarization. Jibson MD, et al. **Proc Natl Acad Sci USA** 1981 May; 78(5):2830–2

Radioimmunoreactivity and receptor–binding activity of the recombined molecule obtained by complementation of two fibrinolysin fragments of ovine prolactin. Wong TM, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):88–90

Effect of lergotrile mesylate and methysergide on morphine induced increase in prolactin release. Ratner A, et al. **Proc West Pharmacol Soc** 1981;24:335–9

Prolactin concentration in prostates with benign hypertrophy. Ron M, et al. **Urology** 1981 Mar;17(3):235–7

[Ultrastructure of prolactin cells of Gambusia (teleost fish) in fresh water, deionized water and hypersaline medium] Dubourg P, et al. **Gen Comp Endocrinol** 1980 Aug; 41(4):554–62 (Eng. Abstr.) **(Fre)**

[Role of 17–beta–estradiol in the synthesis and secretion of prolactin] Campanella N, et al. **Boll Soc Ital Biol Sper** 1979 Mar 30;55(6):495–8 (Eng. Abstr.) **(Ita)**

[Detection of specific prolactin binding sites in cell membranes of the rat liver] Kwiatkowska E, et al. **Endokrynol Pol** 1980 Jul–Aug;31(4):361–72 **(Pol)**

PHARMACODYNAMICS

Prolactin–stimulated ovarian androgen metabolism. Polan ML, et al. **Am J Obstet Gynecol** 1981 Feb 15;139(4):487–91

Prolactin effects on ion transport across cultured mouse mammary epithelium. Bisbee CA. **Am J Physiol** 1981 Mar; 240(3):C110–5

Pituitary oligopeptide regulation of phosphatidylcholine synthesis by fetal rabbit lung cells: lack of effect with prolactin. Cox MA, et al. **Am Rev Respir Dis** 1981 Feb; 123(2):181–4

Effect of prolactin and spermine on the zinc content of human spermatozoa. Shah GV, et al. **Andrologia** 1980 May–Jun; 12(3):207–10

The mitogenic action of prolactin on some endocrine organs of chicks. Maiti BR, et al. **Arch Histol Jpn** 1980 Oct; 43(4):341–6

Prolactin modifies the fluidity of rat liver membranes. Dave JR, et al. **Biochem Biophys Res Commun** 1981 May 15; 100(1):45–51

A novel 'cleaved prolactin' in the rat pituitary: Part II. In vivo mammary mitogenic activity of its N–terminal 16K moiety. Mittra I. **Biochem Biophys Res Commun** 1980 Aug 29;95(4):1760–7

Prolactin–induced accumulation of casein mRNA in mouse mammary explants: a selective role of glucocorticoid. Nagaiah K, et al. **Biochem Biophys Res Commun** 1981 Jan 30;98(2):380–7

Direct effects of gonadotropin releasing hormone and its antagonist upon ovarian functions stimulated by FSH, prolactin, ans LH. Jones PB, et al. **Biol Reprod** 1981 May; 24(4):747–59

Effects of bromocriptine and PRL on luteal and adrenal cholesterol ester hydrolase and serum progesterone concentrations in mature pseudopregnant rats. Klemcke HG, et al. **Biol Reprod** 1980 Jun;22(5):1029–39

Hormonal control of testosterone secretion by the fetal rat testis in organ culture. Paz GF, et al. **Biol Reprod** 1980 Dec;23(5):1087–95

Hormone–dependent subpopulation of rat testicular luteinizing hormone (LH) receptors. Zipf WB, et al. **Biol Reprod** 1981 Mar;24(2):306–10

The lactogenic response of mouse mammary explants to mose prolactin and growth hormone. Markoff E, et al. **Endocr Res Commun** 1980;7(4):269–78

Prolactin regulation of milk secretion and biochemical differentiation of mammary epithelial cells in periparturient cows. Akers RM, et al. **Endocrinology** 1981 Jul;109(1):23–30

Effect of hypophysectomy and hormone replacement of hormone receptor levels and the growth of 7,12–dimethylbenz(a)anthracene–induced mammary tumors in the rat. Arafah BM, et al. **Endocrinology** 1980 Nov;107(5):1364–9

Temporal aspects of the involvement of the uterus and prolactin in the establishment of luteinizing hormones–dependent progesterone secretion in the rat. Garris DR, et al. **Endocrinology** 1980 Oct;107(4):1112–6

Hormonal control of growth in the infant rat. Glasscock GF, et al. **Endocrinology** 1981 Jul;109(1):176–84

Effects of prolactin on DNA synthesis and growth of the accessory sex organs in male mice. Keenan EJ, et al. **Endocrinology** 1981 Jul;109(1):170–5

Dose– and age–dependent effects of prolactin (PRL) on

luteinizing hormone- and PRL-binding sites in rat leydig cell homogenates. Morris PL, et al. **Endocrinology** 1980 Nov;107(5):1639–45

The induction of alpha-lactalbumin in rat mammary explants in the absence of exogenous prolactin: effects of progesterone and estrogen. Nicholas KR, et al. **Endocrinology** 1981 Sep;109(3):978–80

Normal mammary cells in long term culture. II. prolactin, corticosterone, insulin, and triiodothyronine effects on alpha-lactalbumin production. Ray DB, et al. **Endocrinology** 1981 Feb;108(2):584–90

The lateral and medial median eminence: distribution of dopamine, norepinephrine, and luteinizing hormone-releasing hormone and the effect of prolactin on catecholamine turnover. Selmanoff M. **Endocrinology** 1981 May;108(5):1716–22

Sex steroids modulate prolactin action in spontaneously luteinizing porcine granulosa cells in vitro. Veldhuis JD, et al. **Endocrinology** 1981 Apr;108(4):1463–8

Effects of prolactin on the gonad and body weight of the male pied flycatcher during the breeding period. Silverin B. **Endokrinologie** 1980;76(1):45–50

Role of prolactin in the transcription of beta-casein and 28-S ribosomal genes in the rabbit mammary gland. Teyssot B, et al. **Eur J Biochem** 1980 Sep;110(1):263–72

Role of progesterone and glucocorticoids in the transcription of the beta-casein and 28-S ribosomal genes in the rabbit mammary gland. Teyssot B, et al. **Eur J Biochem** 1981 Mar;114(3):597–608

Systemic and intraventricular prolactin induces excessive grooming. Drago F, et al. **Eur J Pharmacol** 1980 Aug 8; 65(4):457–8

Contractile effect of prolactin on guinea pig isolated ileum. Pillai NP, et al. **Eur J Pharmacol** 1981 Jun 10;72(1):11–6

Effects of prolactin (PRL) on gonadotropin release in mice with congenital PRL deficiency. Bartke A, et al. **Experientia** 1981 May 15;37(5):530–1

Effect of prolactin on human red cell sodium transport. Gopalakrishnan V, et al. **Experientia** 1980 Dec 15; 36(12):1423–5

Role of prolactin in amino acid uptake by the lactating mammary gland of the rat. Viña J, et al. **FEBS Lett** 1981 Apr 20;126(2):250–2

Failure of ovine prolactin to elicit rapid responses by osmoregulatory surfaces. Bern HA, et al. **Gen Comp Endocrinol** 1981 May;44(1):128–30

Hormonal control of osmoregulation in the chelonia. II. The effect of prolactin and corticosterone on Testudo graeca. Brewer KJ, et al. **Gen Comp Endocrinol** 1980 Nov; 42(3):310–4

Hormonal control of osmoregulation in the Chelonia. I. The effects of prolactin and interrenal steroids in freshwater chelonians. Brewer KJ, et al. **Gen Comp Endocrinol** 1980 Nov;42(3):304–9

Effects of prolactin on the kidney of a teleostean fish: transmission electron microscopic observations. Gona O. **Gen Comp Endocrinol** 1981 Mar;43(3):346–51

The effect of prolactin on water absorption by the intestine of the trout (Salmo gairdneri). Morley M, et al. **Gen Comp Endocrinol** 1981 May;44(1):64–8

Pituitary and prolactin influences on calcium regulation in the mud puppy, Necturus maculosus. Pang PK. **Gen Comp Endocrinol** 1981 Aug;44(4):524–9

Hypercalcemic effects of ovine prolactin on intact killifish, Fundulus heteroclitus, subjected to different environmental calcium challenges. Pang PK. **Gen Comp Endocrinol** 1981 Jun;44(2):252–5

Prolactin inhibits the induction of its own renal receptors in Rana catesbeiana tadpoles. White BA, et al. **Gen Comp Endocrinol** 1981 Jan;43(1):30–8

Cell population kinetics in tadpole limb epidermis during thyroxine-induced, spontaneous, and prolactin-inhibited metamorphosis. Wright ML, et al. **Gen Comp Endocrinol** 1981 Apr;43(4):451–61

Hormonal regulation of nuptial pads and tail fins in the female red-spotted newt. Zimmer JA, et al. **Gen Comp Endocrinol** 1981 Aug;44(4):436–43

Prolactin and ergocryptine effects on mucus glycoproteins of the rat ileum. Gona O. **Histochem J** 1981 Jan;13(1):101–7

Morphologic and metabolic characteristics of ventral, lateral, dorsal and anterior prostate transplants in rats. Effect of testosterone and/or prolactin. Edwards WD, et al. **Horm Res** 1980;13(1):28–39

Influence of hormones on testicular lipids of adult rats. Sheriff DS. **Horm Res** 1980;13(3):165–73

Behavioural effects of peptide hormones in fishes. Fiedler K, et al.
In: Ferring Symposium on Brain and Pituitary Peptides, Munich, 1979. Brain and pituitary peptides : Ferring Symposium on Brain and Pituitary Peptides, Munich, June 30–July 1, 1979, Basel : Karger, 1980. WL 300 F392b 1979, pp.:65–70

Novel multialveolar epithelial structures from rabbit mammary gland that synthesize milk specific fatty acids in response to prolactin. Carrington CA, et al. **In Vitro** 1981 May;17(5):363–8

Effect of gonadotrophin inhibiting material isolated from human urine on action of prolactin at rat Leydig cell. Bagli NP, et al. **Indian J Exp Biol** 1980 May;18(5):456–8

Effect of prolactin & thyroid stimulating hormone on growth, collagen characteristics & tissue protein contents of the young male garden lizard Calotes versicolor. Brahma KC, et al. **Indian J Exp Biol** 1980 Dec;18(12):1505–7

Influence of sex steroids and prolactin on rat mammary gland. Srinivasan N, et al. **Indian J Physiol Pharmacol** 1980 Oct-Dec;24(4):322–8

Similar effects of prolactin and dbcAMP upon human spermatozoa metabolism. Velázquez-Ramírez A, et al. **Int J Androl** 1980 Feb;3(1):23–31

Prolactin and relaxin: antagonism on the spontaneous motility of the uterus. Bigazzi M, et al. **J Clin Endocrinol Metab** 1981 Sep;53(3):665–7

Evidence that human growth hormone is a potent lactogen in primates. Kleinberg DL, et al. **J Clin Endocrinol Metab** 1980 Nov;51(5):1009–13

Multihormonal regulation of surfactant synthesis by human fetal lung in vitro. Mendelson CR, et al. **J Clin Endocrinol Metab** 1981 Aug;53(2):307–17

The dipsogenic activity of prolactin in male and female rats. Kaufman S. **J Physiol (Lond)** 1981 Jan;310:435–44

Adrenomedullary and glycemic responses to prolactin in the chicks. Maiti BR, et al. **Mikroskopie** 1980 Jun; 36(3-4):107–13

Leucocytic responses to prolactin in the chickens. Mukherjee R, et al. **Mikroskopie** 1980 Jun;36(3-4):114–6

Effect of prolactin and prostaglandins on the stimulation of prolactin binding sites in the male rat liver. Barkey RJ, et al. **Mol Cell Endocrinol** 1981 Feb;21(2):129–38

Prolactin and the regulation of adipose-tissue metabolism during lactation in rats. Flint DJ, et al. **Mol Cell Endocrinol** 1981 May;22(2):265–75

Prolactin inhibition of estrogen production by cultured rat granulosa cells. Wang C, et al. **Mol Cell Endocrinol** 1980 Nov;20(2):135–44

Prolactin inhibits oestrogen synthesis in the ovary. Dorrington J, et al. **Nature** 1981 Apr 16;290(5807):600–2

Failure of mammalian prolactin to induce incubation behavior in chickens and turkeys. Opel H, et al. **Poult Sci** 1980 Nov;59(11):2550–8

Absolute requirement of glucocorticoid for expression of the casein gene in the presence of prolactin. Ganguly R, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):6003–6

Antifertility activity of DMA in hamsters: protection with a luteotropic complex. Miller WL, et al. **Proc Soc Exp Biol Med** 1981 Feb;166(2):199–204

Effects of growth hormone and prolactin on morphine sensitivity and tolerance. Kasson BG, et al. **Proc West Pharmacol Soc** 1981;24:319–21

Luteolysis in the hamster: abrogation by gonadotropin and prolactin pretreatment. Harris KH, et al. **Prostaglandins** 1981 Feb;21(2):177–87

A role of guanosine 3',5'-monophosphate in human-prolactin-induced estrogen production by feminizing adrenal neoplastic cells. Furuhashi N, et al. **Tohoku J Exp Med** 1980 Sep;132(1):87–92

Interaction of prolactin and testosterone in the human prostate. Farnsworth WE, et al. **Urol Res** 1981 Apr 24; 9(2):79–88

[Effect of ouabain on the lactogenic action of prolactin and on the level of mammary prolactin receptors] Houdebine LM, et al. **Biochimie** 1980;62(7):433–40 (Eng. Abstr.) **(Fre)**

[Effect of indomethacin on the lactogenic action of prolactin] Houdebine LM, et al. **Biochimie** 1980;62(7):441–4 (Eng. Abstr.) **(Fre)**

[Inhibition of the preovulatory secretion of gonadotropins by prolactin in rats seems to depend on the strain used] Pasqualini C, et al. **C R Acad Sci [D] (Paris)** 1980 Dec 15;291(13):1055–8 (Eng. Abstr.) **(Fre)**

[Luteal insufficiency and prolactin] Nazzicone Q, et al. **Riv Ital Ginecol** 1980;59(1):65–9 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Galactorrhea and the factors behind symptom production [letter] Cohen MR. **Am J Psychiatry** 1980 Oct; 137(10):1277–8

Prolactin in psychiatry. de la Fuente JRU, et al. **Am J Psychiatry** 1981 Sep;138(9):1154–60 (67 ref.)

Prolactin and psychiatry. Meltzer HY. **Am J Psychiatry** 1981 Sep;138(9):1203–6

A novel 'cleaved prolactin' in the rat pituitary: part I. Biosynthesis, characterization and regulatory control. Mittra I. **Biochem Biophys Res Commun** 1980 Aug 29; 95(4):1750–9

Stimulation of 1,25-dihydroxycholecalciferol production by prolactin and related peptides in intact renal cell preparations in vitro. Spanos E, et al. **Biochim Biophys Acta** 1981 Jan 7;672(1):7–15

Regulation of testosterone rhythmicity by gonadotropins in bonnet monkeys (Macaca radiata). Mukku VR, et al. **Biol Reprod** 1981 May;24(4):814–9

Interactions between prolactin and ovarian secretions during mammary tumorigenesis in the mouse. Edery M, et al. **Biomedicine** 1980 Dec;33(8):265–7

Role of prolactin and the renin-angiotensin system in mediating dopaminergic control of aldosterone secretion in the rat. Sowers JR, et al. **Clin Exp Hypertens** 1981; 3(1):1–14

Changing role of placental lactogen and prolactin in human gestation. Tyson JE. **Clin Obstet Gynecol** 1980 Sep; 23(3):737–47 (82 ref.)

Hyperprolactinemia in portal systemic encephalopathy. McClain CJ, et al. **Dig Dis Sci** 1981 Apr;26(4):353–7

Prolactin augmentation of dopamine and norepinephrine release from superfused medial basal hypothalamic fragments. Foreman MM, et al. **Endocrinology** 1981 Mar; 108(3):800–4

Possible role of prolactin in the inhibitory effect of estradiol on the hypothalamic-pituitary-testicular axis in the rat. Tresguerres JA, et al. **Endocrinology** 1981 Jan;108(1):83–7

Effect of various lysosomotropic agents and microtubule disrupting drugs on the lactogenic and the mammogenic action of prolactin. Houdebine LM. **Eur J Cell Biol** 1980 Oct;22(2):755–60

Possible role of prolactin in the modification of medial basal hypothalamic glutamic acid decarboxylase activity. Prato A, et al. **Eur J Pharmacol** 1981 Apr 24;71(1):169–72

Influence of prolactin on dopaminergic neuronal systems in the hypothalamus. Moore KE, et al. **Fed Proc** 1980 Sep; 39(11):2912–6

Influence of prolactin on pineal gland activity in chicks. Chakraborty S, et al. **Gen Comp Endocrinol** 1981 Jun; 44(2):226–9

Prolactin, thyrotrophin interaction in the regulation of glucose-6-phosphate dehydrogenase and 6-phosphogluconate dehydrogenase activities in rat mammary glands. Deshpande N, et al. **Horm Res** 1980; 12(6):333–9

Prolactin: Physiology and pathology. Tolis G. **Hosp Pract** 1980 Feb;15(2):85–95

TRH-induced hyperprolactinemia and pituitary-ovarian function. Ylikorkala O, et al. **Int J Gynaecol Obstet** 1980 May-Jun;17(6):577–80

Prolactin--I (first of two parts). Kaul K, et al. **J Assoc Physicians India** 1980 Jul;28(7):181–91 (92 ref.)

Prolactin in maintenance of the corpus luteum of early pseudopregnancy in the golden hamster. Harris KH, et al. **J Endocrinol** 1981 Aug;90(2):145–50

Relation of the neuroendocrine system to the development and growth of experimental mammary tumors. Meites J. **J Neural Transm** 1980;48(1):25–42 (34 ref.)

Effects of prolactin and the suckling stimulus on implantation and LH secretion in rats. Flint DJ, et al. **J Reprod Fertil** 1980 Mar;58(2):443–8

Prolactin and the control of gonadotrophin secretion in the female. McNeilly AS. **J Reprod Fertil** 1980 Mar; 58(2):537–49 (97 ref.)

Regulation of progesterone secretion by LH and prolactin during the first half of pregnancy in the mouse. Mednick DL, et al. **J Reprod Fertil** 1980 Sep;60(1):201–7

The role of prolactin and LH in luteal function and blastocyst growth in mink (Mustela vison). Martinet L, et al. **J Reprod Fertil [Suppl]** 1981;29:119–30

Hormonal control of the corpus luteum and embryonic diapause in macropodid marsupials. Tyndale-Biscoe CH, et al. **J Reprod Fertil [Suppl]** 1981;29:111–7 (28 ref.)

Central control of hepatic steroid metabolism and 'lactogenic' receptor. Gustafsson JA, et al. **J Steroid Biochem** 1980 Jan; 12:1–15

Prolactin and sexual function [letter] Cohen KL, et al. **JAMA** 1981 Sep 18;246(12):1300

Multiple primary cancers: a result of endocrine targeting [letter] Shetty MR, et al. **Lancet** 1980 Dec 20-27; 2(8208-8209):1382

Differential effects of placental lactogen, growth hormone and prolactin on rat liver ornithine decarboxylase activity in the perinatal period. Hurley TW, et al. **Life Sci** 1980 Dec 8;27(23):2269–75

Current concepts: III. Prolactin and calcium metabolism in the rat. Mattheij JA, et al. **Life Sci** 1980 Dec 1; 27(22):2031–5

Growth hormone and prolactin in avian species. Scanes CG, et al. **Life Sci** 1981 Jun 29;28(26):2895–902 (71 ref.)

[Comparative endocrinological study of prolactin] Fang YJ. **Sheng Li Ko Hsueh Chin Chan** 1980 Feb;11(2):157–64 **(Chi)**

[Herpes gestationis and prolactin] Bazex J, et al. **Ann Dermatol Venereol** 1981;108(2):173–4 **(Fre)**

[Effect of ovine prolactin on plasma testosterone and the male genital tract of Gobius niger L] Bonnin JP. **C R Acad Sci [D] (Paris)** 1981 Jan 19;292(3):319–22 (Eng. Abstr.) **(Fre)**

[Prolactin: physiologic and clinical significance] von Werder K. **Med Monatsschr Pharm** 1981 Feb;4(2):39–45 **(Ger)**

[Our knowledge of human prolactin in pregnancy and puerperium with special regard to the inhibition and suppression of lactation] Rudolf K, et al. **Z Aerztl Fortbild (Jena)** 1980 Mar 1;74(5):195–201 **(Ger)**

[Prolactin and its role in growth, metamorphosis and reproduction in amphibians (author's transl)] Kikuyama S. **Tanpakushitsu Kakusan Koso** 1980;25(7):616–26 (48 ref.) **(Jpn)**

[Prolactin. Physiology and physiopathology] Haug E. **Tidsskr Nor Laegeforen** 1981 Feb;101(6):392–7 (Eng. Abstr.) **(Nor)**

[Investigations of prolactin participation in intraocular pressure regulation: thesis for the degree of docent (author's transl)] Halatek R. **Klin Oczna** 1980 Aug;82(8):393–4 **(Pol)**

[Correlations between prolactin and somatotropic hormone in human breast cancer] Larrad Jiménez A, et al. **Rev Esp Oncol** 1980;27(1):29–52 (Eng. Abstr.) **(Spa)**

SECRETION

Growth hormone and prolactin secretion in liver cirrhosis: evidence for dopaminergic dysfunction. Borzio M, et al.

Acta Endocrinol (Copenh) 1981 Aug;97(4):441–7

Dynamic evaluation of prolactin secretion with sulpiride and thyrotrophin releasing hormone in amenorrhoeic and normally menstruating women. D'Agata R, et al. **Acta Endocrinol (Copenh)** 1981;97(3):311–4

The prolactin response to thyrotrophin-releasing hormone is intact in the human male castrate. LeRoith D, et al. **Acta Endocrinol (Copenh)** 1981 Feb;96(2):163–7

Increased thyrotrophin and prolactin secretion induced by domperidone in hypothyroid subjects. Massara F, et al. **Acta Endocrinol (Copenh)** 1981 May;97(1):48–53

Effects of arginine vasotocin, oxytocin, and arginine vasopressin on steroid-induced surges of luteinizing hormone and prolactin in ovariectomized rats. Salisbury RL, et al. **Acta Endocrinol (Copenh)** 1980 Jun;94(2):166–73

Effect of treatment with bromocriptine on the size and activity of prolactin producing pituitary tumours. Sobrinho LG, et al. **Acta Endocrinol (Copenh)** 1981 Jan;96(1):24–9

Surgical treatment of prolactin-segreting pituitary tumours. Frank G. **Acta Eur Fertil** 1980 Sep;11(3):231–8

Sulpiride stimulation of prolactin secretion in adolescents with gynecomastia: relation to the circulating levels of estradiol. Fideleff HL, et al. **Acta Med Port** 1980 Jul–Aug; 2(4):269–73

Prolactin secretion in the empty sella syndrome, in prolactinomas and in acromegaly. Brismar K. **Acta Med Scand** 1981;209(5):397–405

Growth hormone and prolactin production in human pituitary tumours in organ culture. Anniko M, et al. **Acta Otolaryngol (Stockh)** 1980;90(1–2):143–51

Clinical and morphological findings in two cases of bromocriptine-treated prolactinomas. Anniko M, et al. **Acta Pathol Microbiol Scand [A]** 1981 Jan;89A(1):41–7

The effect of dopamine on the release of prolactin in sheep with lesions of the hypothetical centre producing prolactin inhibiting factor (PIF). Wróblewska B, et al. **Acta Physiol Pol** 1980 Jul–Aug;31(4):333–9

Influence of estrogens on tuberoinfundibular and striatal dopaminergic systems in the rat. Labrie F, et al. **Acta Psychiatr Belg** 1979 Nov–Dec;79(6):623–37

Influence of estrogens on tuberoinfundibular and striatal dopaminergic systems in the rat. Labrie F, et al. **Acta Psychiatr Belg** 1980 Sep–Oct;80(5):658–73

Prolactin-secreting pituitary adenoma. Observations in irradiated patients. De Schryver A, et al. **Acta Radiol Oncol Radiat Phys Biol** 1980;19(3):169–75

Prolactin secretion in nonpregnant sows treated with prostaglandin F2 alpha. Benjaminsen E, et al. **Acta Vet Scand** 1981;22(1):146–8

GABAergic mechanisms in the control of PRL and GH release. Cocchi D, et al. **Adv Biochem Psychopharmacol** 1981;26:247–59 (36 ref.)

Anterior pituitary GABA receptors and their regulation of prolactin secretion. Grandison L. **Adv Biochem Psychopharmacol** 1981;26:219–27

Prolactin secretion as an index of brain dopaminergic function. Thorner MO, et al. **Adv Biochem Psychopharmacol** 1981;28:503–20 (79 ref.)

Intracellular dynamics in pituitary mammotropes throughout the rat estrous cycle. I. Morphometric methodology and hormonal correlations with cellular and nuclear volumes. Poole MC, et al. **Am J Anat** 1980 May;158(1):3–13

Intracellular dynamics in pituitary mammotropes throughout the rat estrous cycle. II. Changes in synthetic and secretory organelles. Poole MC, et al. **Am J Anat** 1980 May; 158(1):15–28

Prolactinomas in familial multiple endocrine neoplasia syndrome type I. Relationship to HLA and carcinoid tumors. Farid NR, et al. **Am J Med** 1980 Dec;69(6):874–80

Diurnal variation of prolactin secretion differentiates pituitary tumors from the primary empty sella syndrome. Malarkey WB, et al. **Am J Med** 1980 Dec;69(6):886–90

Is prolactin secreted ectopically? Molitch ME, et al. **Am J Med** 1981 Apr;70(4):803–7

Effect of cyproheptadine on chlorpromazine stimulation of prolactin in women. Board JA, et al. **Am J Obstet Gynecol** 1981 Jan 15;139(2):160–3

Monolayer and suspension culture of human prolactin-secreting pituitary adenoma. Kletzky OA, et al. **Am J Obstet Gynecol** 1980 Nov 15;138(6):660–4

Longitudinal evaluation of patients with untreated prolactin-secreting pituitary adenomas. March CM, et al. **Am J Obstet Gynecol** 1981 Apr 1;139(7):835–44

The use of thyrotropin-releasing hormone in distinguishing prolactin-secreting pituitary adenoma. Marrs RP, et al. **Am J Obstet Gynecol** 1980 Nov 15;138(6):620–5

Prolactin-secreting pituitary adenomas in women. VI. Absence of demonstrable adenomas in patients with altered menstrual function and abnormal sellar polytomography. Nachtigall RD, et al. **Am J Obstet Gynecol** 1981 Jun 1; 140(3):303–8

Role of calcium in acute stimulated release of prolactin from neoplastic GH3 cells. Moriarty CM, et al. **Am J Physiol** 1981 Jun;240(6):E705–11

Resumption of prolactin secretion after dopaminergic inhibition: differential effects of dopamine and its agonists. Woolf PD. **Am J Physiol** 1981 Jun;240(6):E700–4

Disordered prolactin secretion in the obese child and adolescent. Cacciari E, et al. **Arch Dis Child** 1981 May; 56(5):386–9

Inhibition of prolactin secretion in rats with the ergoline derivative deprenon. Chlebounová J, et al. **Arzneimittelforsch** 1980;30(6):956–8

Influence of drugs affecting prolactin secretion on some sexually differentiated hepatic and renal enzyme activities of steroid hormone metabolism in the rat. Lax ER, et al. **Arzneimittelforsch** 1980;30(8):1284–6

A prolactin inhibitory factor with immunocharacteristics similar to thyrotropin releasing factor (TRH) is present in rat pituitary tumors (GH3 and W5), testicular tissue and a plant material, alfalfa. Morley JE, et al. **Biochem Biophys Res Commun** 1980 Sep 16;96(1):47–53

Role of the ovary in controlling luteinizing hormone, follicle stimulating hormone, and prolactin secretion during and after lactation in pigs. Stevenson JS, et al. **Biol Reprod** 1981 Mar;24(2):341–53

Reinitiation of the diurnal rhythm of prolactin secretion in postpartum rhesus monkeys. Williams RF, et al. **Biol Reprod** 1980 Sep;23(2):276–80

Chlorpromazine, haloperidol, metoclopramide and domperidone release prolactin through dopamine antagonism at low concentrations but paradoxically inhibit prolactin release at high concentrations. Besser GM, et al. **Br J Pharmacol** 1980;71(2):569–73

The reliability of radiology in detecting prolactin-secreting pituitary microadenomas. Teasdale E, et al. **Br J Radiol** 1981 Jul;54(643):566–71

Persistence of defective hypothalamic control of prolactin secretion in some obese women after weight reduction. Kopelman PG, et al. **Br Med J** 1980 Aug 2;281(6236):358–9

Effects of ageing and gonadal steroid hormones on prolactin concentrations in the anterior pituitary of the chicken. Kono T, et al. **Br Poult Sci** 1980 Nov;21(6):431–6

The direct effect of reserpine in vitro on prolactin release from rat anterior pituitary glands. Login IS, et al. **Brain Res** 1981 Jan 5;204(1):79–85

Prolactin-secreting pituitary oncocytoma with galactorrhea--amenorrhea syndrome: a histologic, ultrastructural, and immunocytochemical study. Kalyanaraman UP, et al. **Cancer** 1980 Oct 1;46(7):1584–9

Prophylaxis of spontaneous mammary tumorigenesis by temporal inhibition of prolactin secretion in rats at young ages. Nagasawa H, et al. **Cancer Res** 1981 May;41(5):1935–7

Synergistic effect of chronic prolactin suppression and retinoid treatment in the prophylaxis of N-methyl-N-nitrosourea-induced mammary tumorigenesis in female Sprague-Dawley rats. Welsch CW, et al. **Cancer Res** 1980 Sep;40(9):3095–8

Plasma prolactin levels after acute and subchronic oral administration of domperidone and of metoclopramide: a cross-over study in healthy volunteers. Brouwers JR, et al. **Clin Endocrinol (Oxf)** 1980 May;12(5):435–40

The prolactin response to metoclopramide in growth hormone deficient adolescent males. Cohen HN, et al. **Clin Endocrinol (Oxf)** 1980 Aug;13(2):207–11

Studies off the opiate control of prolactin, GH and TSH. Grossman A, et al. **Clin Endocrinol (Oxf)** 1981 Apr; 14(4):381–6

Two new dopamine agonists that are long acting in vivo but short acting in vitro. Grossman A, et al. **Clin Endocrinol (Oxf)** 1980 Dec;13(6):595–9

Effects of cyproheptadine on insulin-induced hypoglycaemia secretion of PRL, GH and cortisol. Kletzky OA, et al. **Clin Endocrinol (Oxf)** 1980 Sep;13(3):231–4

Failure of naloxone to alter exercise-induced growth hormone and prolactin release in normal men. Mayer G, et al. **Clin Endocrinol (Oxf)** 1980 Nov;13(5):413–6

Prolactin pulsatility in patients with gonadal dysfunction. Moult PJ, et al. **Clin Endocrinol (Oxf)** 1981 Apr; 14(4):387–94

Pituitary function in prolactinoma. Effect of surgery and postoperative bromocriptine therapy. Pelkonen R, et al. **Clin Endocrinol (Oxf)** 1981 Apr;14(4):335–48

Altered dopaminergic regulation of thyrotrophin release in patients with prolactinomas: comparison with other tests of hypothalamic-pituitary function. Scanlon MF, et al. **Clin Endocrinol (Oxf)** 1981 Feb;14(2):133–43

Prolactin response to metoclopramide and chlorpromazine in primary testicular failure and isolated gonadotrophin deficiency. Spitz IM, et al. **Clin Endocrinol (Oxf)** 1981 Apr; 14(4):375–80

Increased prolactin reserve in alcoholics. Basile A, et al. **Drug Alcohol Depend** 1981 Feb;7(1):99–102

Prolactin-secreting pituitary tumors in amenorrheic women: a comprehensive study. Schlechte J, et al. **Endocr Rev** 1980 Summer;1(3):295–308 (99 ref.)

In vitro effect of TRH on adenylate cyclase and cAMP in rat anterior pituitary and on TSH and PRL release into incubation medium. Brozmanová H, et al. **Endocrinol Exp (Bratisl)** 1980 Dec;14(4):291–6

Effects of 17 beta-estradiol, synthetic estrogens, and antiestrogens on prolactin secretion, nuclear translocation of pituitary estrogen receptor and on progesterone receptor levels in rat pituitary, hypothalamus and uterus. Leibl H, et al. **Endocrinol Exp (Bratisl)** 1981;15(1):35–44

Effects of GnRH and ionic environment on the secretion of LH, FSH and prolactin by dispersed sheep pituitary cells. Peclaris GM. **Endocrinol Exp (Bratisl)** 1980 Dec; 14(4):245–57

Role of central nervous system-derived or circulating gamma-aminobutyric acid on prolactin secretion in the rat. Apud JA, et al. **Endocrinology** 1981 Apr;108(4):1505–10

Human prolactin secreting adenoma cells maintained on extracellular matrix. Bethea CL, et al. **Endocrinology** 1981 Jan;108(1):357–60

Mechanisms subserving the stimulatory and inhibitory components of gamma-aminobutyric acid-ergic control of prolactin secretion in the rat. Casanueva F, et al. **Endocrinology** 1981 Aug;109(2):567–75

Relationship of polycystic ovary induction to prolactin secretion: prevention of cyst formation by bromocriptine in the rat. Copmann TL, et al. **Endocrinology** 1981 Mar; 108(3):1095–7

Adrenal influence on pituitary secretion of thyrotropin and prolactin in rats. Fang VS, et al. **Endocrinology** 1981 Apr; 108(4):1545–51

Decreased responsiveness of GH3 cells to the dopaminergic inhibition of prolactin. Faure N, et al. **Endocrinology** 1980 Oct;107(4):1022–6

An ovarian role in prolonging and terminating the two surges of prolactin in pseudopregnant rats. Gorospe WC, et al. **Endocrinology** 1981 Apr;108(4):1293–8

Evidence that thyrotropin and prolactin are not secreted by the posterior pituitary of the rat. Greer MA, et al. **Endocrinology** 1981 Feb;108(2):382–6

Evidence that thyrotropin-releasing hormone and a hypothalamic prolactin-releasing factor may function in the release of prolactin in the lactating rat. Grosvenor CE, et al. **Endocrinology** 1980 Oct;107(4):863–8

Evidence that the depletion and release phases of prolactin secretion in the lactating rat have different activation thresholds in response to exteroceptive stimulation from rat pups. Grosvenor CE, et al. **Endocrinology** 1981 Mar; 108(3):820–4

Role of estrogen in the dopaminergic control of prolactin secretion. Gudelsky GA, et al. **Endocrinology** 1981 Feb; 108(2):440–4

Delta 9-tetrahydrocannabinol suppression of prolactin secretion in the rat: lack of direct pituitary effect. Hughes CL Jr, et al. **Endocrinology** 1981 Sep;109(3):876–80

Effects of a luteinizing hormone-releasing hormone analog and tamoxifen on the growth of an estrogen-induced prolactin-secreting rat pituitary tumor and its influence on pituitary gonadotropins. Lamberts SW, et al. **Endocrinology** 1981 May;108(5):1878–84

[3H]Dihydroergocryptine binding in anterior pituitary and prolactin secretion: further evidence of brain regulation of adenohypophyseal receptors. Libertun C, et al. **Endocrinology** 1980 Dec;107(6):1905–9

Characterization of long term hormonal cell cultures from the MtT/w15 prolactin- and growth hormone-secreting rat pituitary tumor. McKeel DW Jr, et al. **Endocrinology** 1981 Apr;108(4):1571–86

Hormone ontogeny in the ovine fetus. XI. The Serotoninergic regulation of growth hormone and prolactin secretion. Marti-Henneberg C, et al. **Endocrinology** 1980 Nov; 107(5):1273–7

A possible role for lysosomes in the inhibitory action of dopamine on prolactin release. Nansel DD, et al. **Endocrinology** 1981 Mar;108(3):896–902

Dopamine in hypophysial stalk blood of the rhesus monkey and its role in regulating prolactin secretion. Neill JD, et al. **Endocrinology** 1981 Feb;108(2):489–94

Effects of triiodothyronine and thyroxine on thyrotropin and prolactin secretion from bovine pituitary cells in vitro. Padmanabhan V, et al. **Endocrinology** 1981 Jan; 108(1):226–31

Effect of angiotensin II on in vivo and in vitro release of anterior pituitary hormones in the female rat. Steele MK, et al. **Endocrinology** 1981 Sep;109(3):893–9

The role of adenosine 3',5'-monophosphate in dopaminergic inhibition of prolactin release in anterior pituitary cells. Tam SW, et al. **Endocrinology** 1981 Aug;109(2):403–8

Evidence for alpha-adrenergic regulation of episodic growth hormone and prolactin secretion in the undisturbed male rat. Terry LC, et al. **Endocrinology** 1981 May; 108(5):1869–73

Comparison of acute effects of dynorphin and beta-endorphin on prolactin release in the rat. Van Vugt DA, et al. **Endocrinology** 1981 May;108(5):2017–8

Failure of beta-endorphin to stimulate prolactin release in the pituitary stalk-sectioned monkey. Wardlaw SL, et al. **Endocrinology** 1980 Dec;107(6):1663–6

Autofeedback regulation of prolactin (PRL) secretion: effect of prolactin before suckling on the subsequent nursing-induced release of PRL in the lactating rat. Whitworth NS, et al. **Endocrinology** 1981 Apr; 108(4):1279–84

Two modes of prolactin secretion induced by young in maternally behaving virgin rats. Yogev L, et al. **Endocrinology** 1980 Dec;107(6):1808–12

The effects of estradiol on prolactin and growth hormone secretion in cultured pituitary cells from intact and ovariectomized rats. Komolov IS, et al. **Endokrinologie** 1980;75(3):278–84

Regulation of prolactin secretion by hypothalamus in some cold blooded vertebrates. Singh SP, et al. **Endokrinologie** 1980;76(1):51–62

Relative concentrations of prolactin, gonadotropin and thyrotropin in the pituitary gland and blood serum during different phases of annual reproductive cycle in the freshwater catfish, Clarias batrachus. Singh SP, et al. **Endokrinologie** 1981;77(1):39–50

Demonstration of a heterogenous population of binding sites for thyroliberin in prolactin-producing tumour cells and their possible functional significance. Gautvik KM, et al.

Eur J Biochem 1981 May 15;116(2):235–42
Conservative management of suspected prolactin secreting pituitary adenoma during pregnancy. Weinstein D, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Apr;11(5):305–12
Pharmacological studies with several analogs of mazindol: correlation between effects on dopamine uptake and various in vivo responses. Heikkila RE, et al. **Eur J Pharmacol** 1981 May 8;71(2–3):277–86
The effects of histidyl–proline–diketopiperazine, a metabolite of TRH, on prolactin release by the rat pituitary gland in vitro. Lamberts SW, et al. **Eur J Pharmacol** 1981 May 8;71(2–3):337–41
Prolactin secretion in benign prostatic hypertrophy. Giuliani L, et al. **Eur Urol** 1981;7(5):294–7
Neural structures essential for the control of prolactin surges in the female rat. Kawakami M, et al. **Exp Brain Res** 1981; Suppl 3:274–93
Differences in negative and positive feedback of gonadal steroids on release of gonadotropins and prolactin in young and old rats. Meites J, et al. **Exp Brain Res** 1981;Suppl 3:151–7
Regulation of prolactin secretion at the pituitary level. Ruberg M, et al. **Exp Brain Res** 1981;Suppl 3:182–99 (62 ref.)
Dopamine, PIF, and other regulators of prolactin secretion. Clemens JA, et al. **Fed Proc** 1980 Sep;39(11):2907–11
Interactions between hypothalamic and peripheral hormones in the control of prolactin secretion. Ferland L, et al. **Fed Proc** 1980 Sep;39(11):2917–22
The value of the thyrotropin-releasing hormone test in patients with prolactin-secreting pituitary tumors and suprasellar non-pituitary tumors. Klijn JG, et al. **Fertil Steril** 1981 Feb;35(2):155–61
Tests of prolactin secretion in the diagnosis of hyperprolactinemic states: nomifensine and domperidone. Massara F, et al. **Fertil Steril** 1981 Feb;35(2):149–54
Stimulatory effect of clebopride on human prolactin secretion. Perez-Lopez FR, et al. **Fertil Steril** 1980 Nov; 34(5):452–5
Effect of ambient osmolarity and calcium on porlactin cell activity and osmotic water permeability of the gills in the teleost Sarotherodon mossambicus. Bonga SE, et al. **Gen Comp Endocrinol** 1981 Apr;43(4):432–42
Light and electron microscopical combined staining by immunohistochemical and enzyme histochemical methods using rat prolactin-secreting pituitary tumours. Osamura RY, et al. **Histochem J** 1980 Jul;12(4):371–9
Thyrotrophin and prolactin response to beta-(pyrazolyl-1)-alanine-2-TRH in normal males. Garcia-Centenera JA, et al. **Horm Metab Res** 1981 Feb; 13(2):107–9
Acute effects of arginine vasotocin on plasma and pituitary levels of prolactin in the male rat: influence of urethane anesthesia. Johnson LY, et al. **Horm Res** 1980;13(2):109–20
Autofeedback of prolactin in cultured prolactin-secreting pituitary cells. Melmed S, et al. **Horm Res** 1980;12(6):340–4
Prolatin secreting pituitary adenomas. Leavens ME, et al. **Int Adv Surg Oncol** 1981;4:277–310 (58 ref.)
Feedback effect of estradiol on follicle-stimulating hormone and prolactin secretion during the puerperium. Canales ES, et al. **Int J Gynaecol Obstet** 1981 Mar;19(1):79–81
Growth hormone, prolactin, and growth responses in hyperkinetic males treated with d-amphetamine. Greenhill LL, et al. **J Am Acad Child Psychiatry** 1981 Winter; 20(1):84–103
Bovine prolactin, TSH, T and T concentrations as affected by tall fescue summer toxicosis and temperature. Hurley WL, et al. **J Anim Sci** 1980 Aug;51(2):374–9
Growth hormone and prolactin secretion by dispersed cell cultures of human pituitary adenomas: long term effects of hydrocortisone, estradiol, insulin, 3,5,3'-triiodothyronine and thyroxine. Adams EF, et al. **J Clin Endocrinol Metab** 1981 Aug;53(2):381–6
Cure of hypogonadism after removal of prolactin-secreting adenomas in men. Arafah BM, et al. **J Clin Endocrinol Metab** 1981 Jan;52(1):91–4
Dopaminergic receptors in human prolactin-secreting adenomas: a quantitative study. Bression D, et al. **J Clin Endocrinol Metab** 1980 Nov;51(5):1037–44
Central nervous system-mediated stimulation of prolactin secretion by cimetidine, a histamine H2-receptor antagonist: impaired responsiveness in patients with prolactin-secreting tumors and idiopathic hyperprolactinemia. Gonzalez-Villapando C, et al. **J Clin Endocrinol Metab** 1980 Dec;51(6):1417–24
Metoclopramide increases prolactin release and milk secretion in puerperium without stimulating the secretion of thyrotropin and thyroid hormones. Kauppila A, et al. **J Clin Endocrinol Metab** 1981 Mar;52(3):436–9
Predictors of the outcome of transsphenoidal surgery for prolactin-secreting pituitary adenomas. Schlechte J, et al. **J Clin Endocrinol Metab** 1981 Apr;52(4):785–9
Clomiphene attenuates the exaggerated prolactin response to thyrotropin-releasing hormone and metoclopramide occurring in primary testicular failure. Spitz IM, et al. **J Clin Endocrinol Metab** 1981 Feb;52(2):289–93
Rapid regression of pituitary prolactinomas during bromocriptine treatment. Thorner MO, et al. **J Clin Endocrinol Metab** 1980 Sep;51(3):438–45
Persistent defect in regulation of prolactin secretion after successful pituitary tumor removal in women with the galactorrhea-amenorrhea syndrome. Tucker HS, et al. **J Clin Endocrinol Metab** 1980 Nov;51(5):968–71
Effects of histamine implants in several brain regions on the release of prolactin in conscious adult male rats. Alvarez EO, et al. **J Endocrinol** 1981 Mar;88(3):351–8
A comparison of the effects of four ergot derivatives on prolactin secretion by dispersed rat pituitary cells. Delitala G, et al. **J Endocrinol** 1980 Oct;87(1):95–103
Electrical activity of antidromically identified tuberoinfundibular neurones during stimulated release of luteinizing hormone and prolactin in pro-oestrous rats. Dyer RG, et al. **J Endocrinol** 1981 Apr;89(1):35–44
Effects of inhibiting prolactin secretion on the maintenance of embryonic diapause in the suckling rat. Gosden RG, et al. **J Endocrinol** 1981 Feb;88(2):197–203
Effect of the suckling stimulus on secretion of prolactin and luteinizing hormone in conscious and anaesthetized rats. Isherwood KM, et al. **J Endocrinol** 1980 Dec;87(3):437–44
Mechanism(s) by which adrenalectomy and corticosterone influence prolactin release in the rat. Leung FC, et al. **J Endocrinol** 1980 Oct;87(1):131–40
Effect of bromocriptine, ergotamine and other ergot alkaloids on the hormone secretion and growth of a rat pituitary tumour. Prysor-Jones RA, et al. **J Endocrinol** 1980 Jul; 86(1):147–53
Effect of bromocriptine on DNA synthesis, growth and hormone secretion of spontaneous pituitary tumours in the rat. Prysor-Jones RA, et al. **J Endocrinol** 1981 Mar; 88(3):463–9
Demonstration of prolactin-releasing activity in the pigeon. Shani J, et al. **J Endocrinol** 1980 Oct;87(1):29–35
Pinealectomy mildly disturbs the secretory patterns of prolactin and growth hormone in the unstressed rat. Willoughby JO. **J Endocrinol** 1980 Jul;86(1):101–7
Daily rhythm in secretion of prolactin in androgenized female rats. Yogev L, et al. **J Endocrinol** 1980 Dec;87(3):327–32
The effect of tamoxifen on GH and PRL secretion by human pituitary tumors. Lamberts SW, et al. **J Endocrinol Invest** 1980 Oct–Dec;3(4):343–7
Neurotransmitter control of growth hormone, thyrotropin and prolactin secretion [letter] Muller EE, et al. **J Endocrinol Invest** 1980 Jul–Sep;3(3):331–3
A possible role of endogenous opioids in the control of prolactin and luteinizing-hormone secretion in the human. Veldhuis JD, et al. **J Endocrinol Invest** 1981 Jan–Mar; 4(1):31–6
The thyrotropin—releasing hormone (TRH) stimulation of thyrotropin (TSH) and prolactin (PRL) in normal Thai subjects. Himathongkam T, et al. **J Med Assoc Thai** 1980 Aug;63(8):454–62
Prolactin release induced by histamine in maturing male and female rats. Alvarez EO, et al. **J Neural Transm** 1980; 49(3):187–95
Dopaminergic inhibition of growth hormone and prolactin release during continuous in vitro perifusion of normal and adenomatous human pituitary. Lawton NF, et al. **J Neurol Sci** 1981 Feb;49(2):229–39
Simultaneously occurring prolactinomas. Case report. Powers SK, et al. **J Neurosurg** 1981 Jul;55(1):124–6
Prolactin secreting pituitary adenoma: a review and study of their implications for fertility in women. Fode NC, et al. **J Neurosurg Nurs** 1980 Dec;12(4):210–3
Prolactin producing pituitary adenomas. McInerney M. **J Neurosurg Nurs** 1981 Feb;13(1):15–7
Prolactin response to thyrotropin-releasing hormone and cimetidine in patients with severe liver disease. Lampertico M, et al. **J Nucl Med Allied Sci** 1981 Jan–Jun;25(1–2):19–25
Catecholamines and pituitary prolactin release. Ben-Jonathan N. **J Reprod Fertil** 1980 Mar;58(2):501–12 (76 ref.)
Effect of TRH on the secretion of prolactin in ewes at various stages of pregnancy and in non-pregnant ewes during the breeding season and seasonal anoestrus. Fitzgerald BP, et al. **J Reprod Fertil** 1981 Jan;61(1):149–55
Prolactin and LH release in response to LH-RH and TRH in ewes during dioestrus, pregnancy and post partum. Wright PJ, et al. **J Reprod Fertil** 1981 Jul;62(2):447–53
Sex steroids interact with dopamine at the hypothalamic and pituitary levels to modulate prolactin secretion. Labrie F, et al. **J Steroid Biochem** 1980 Jan;12:323–30
Prolactin and sexual function [letter] Ambrosi B, et al. **JAMA** 1980 Dec 12;244(23):2608
Prolactin-secreting pituitary adenomas. III. Frequency and diagnosis in amenorrhea-galactorrhea. Keye WR Jr, et al. **JAMA** 1980 Sep 19;244(12):1329–32
Regression of pituitary prolactinoma with bromocriptine administration. Velentzas C, et al. **JAMA** 1981 Mar 20; 245(11):1149–50
Autonomous prolactin secretion in schizophrenic male on long-term neuroleptic therapy [letter] Semple CG, et al. **Lancet** 1981 Jul 11;2(8237):103
Functional and anatomical segregation of hypothalamic opiate receptors involved in prolactin and growth hormone secretion in cynomolgus monkeys. Belchetz PE. **Life Sci** 1981 Jun 29;28(26):2961–71
Alpha melanocyte stimulating hormone inhibits prolactin secretion in fetal and infant lambs. Gluckman PD, et al. **Life Sci** 1980 Oct 13;27(15):1429–33
Interaction of calcium and cyclic nucleotides in thyroliberin-stimulated prolactin release. Matthews RH, et al. **Life Sci** 1981 Jun 29;28(26):2909–15
Stimulation by dimethyl sulfoxide of secretion of growth hormone and prolactin in the pituitary from lactating mouse. Nagasawa H, et al. **Life Sci** 1981 Jan 26;28(4):421–3
Naloxone inhibits prolactin and growth hormone release induced by intracellular glucopenia in the rats. Okajima T, et al. **Life Sci** 1980 Sep 1;27(9):755–60
Cyclo (His-Pro): a selective inhibitor of rat prolactin secretion in vitro. Prasad C, et al. **Life Sci** 1980 Nov 24; 27(21):1979–83
Dopaminergic modulation of arginine mediated growth hormone and prolactin release in man. Bansal S, et al. **Metabolism** 1981 Jul;30(7):649–53
Stimulation of in vitro prolactin release by vasoactive intestinal peptide. Enjalbert A, et al. **Neuroendocrinology** 1980 Sep;31(3):200–4
Stimulation of prolactin secretion in rhesus monkeys by vasoactive intestinal polypeptide. Frawley LS, et al. **Neuroendocrinology** 1981 Aug;33(2):79–83
GABA and muscimol inhibit the release of prolactin from dispersed rat anterior pituitary cells. Grossman A, et al. **Neuroendocrinology** 1981 Mar;32(3):145–9
Effects of lesions in the medial basal part of the suprachiasmatic area on prolactin and gonadotropin surges induced by estrogen and progesterone treatment in ovariectomized rats. Kawakami M, et al. **Neuroendocrinology** 1981 Apr;32(4):242–7
Regulation of prolactin secretion in patients with Cushing's disease. A comparative study on the effects of dexamethasone, lysine vasopressin and ACTH on prolactin secretion by the rat pituitary gland in vitro. Lamberts SW, et al. **Neuroendocrinology** 1981 Mar;32(3):150–4
Calcium-dependent changes in electrical properties of prolactin-secreting anterior pituitary (2B8) clonal cells. Maruyama T, et al. **Neuroendocrinology** 1981 Jan; 32(1):28–32
Adenohypophysis has an inherent property for pulsatile prolactin secretion. Shin SH, et al. **Neuroendocrinology** 1981 Mar;32(3):139–44
Central catecholamine depletion: effects on physiological growth hormone and prolactin secretion. Willoughby JO, et al. **Neuroendocrinology** 1981 Feb;32(2):65–9
Effect of a psychoactive drug, trazodone, on prolactin secretion in man. Rolandi E, et al. **Neuropsychobiology** 1981;7(1):17–9
Use of blockers and stimulators of prolactin secretion in persistent lactorrhea-amenorrhea syndrome. Starkova NT, et al. **Neurosci Behav Physiol** 1980 Nov–Dec;10(6):476–80
Effects of the interaction between methysergide and clonidine on growth hormone and prolactin secretion in normal man. Agnati LF, et al. **Neurosci Lett** 1981 Feb 6; 21(3):333–8
Oral contraceptive history as a risk indicator in patients with pituitary tumors with hyperprolactinemia: a case comparison study of twenty patients. Teperman L, et al. **Neurosurgery** 1980 Dec;7(6):571–3
Abnormal prolactin levels and pituitary-gonadal axis in the puerperium. Andersen AN, et al. **Obstet Gynecol** 1981 Jun; 57(6):725–9
Association of a prolactin-secreting pituitary microadenoma and endometrial carcinoma. Barnes AE, et al. **Obstet Gynecol** 1981 Sep;58(3):391–4
Diagnostic and therapeutic modalities in women with galactorrhea. Turksoy RN, et al. **Obstet Gynecol** 1980 Sep; 56(3):323–9
Effect of domperidone on prolactin secretion in healthy subjects. Uberti EC, et al. **Panminerva Med** 1980 Jan–Mar 22;22(1):13–5
Comparative effect of cimetidine and ranitidine on prolactin secretion. Nelis GF, et al. **Postgrad Med J** 1980 Jul; 56(657):478–80
Effects of drugs infused into a rat hypophysial portal vessel on prolactin and growth hormone release. Abe H, et al. **Proc Soc Exp Biol Med** 1980 Nov;165(2):248–52
Influence of chronic prolactin suppression during puberty on the development of dimethylbenz(a)anthracene-induced mammary tumors. Cohen LA. **Proc Soc Exp Biol Med** 1981 Jun;167(2):275–8
Interaction of morphine with the cholinergic system on prolactin release. Fanjul LF, et al. **Proc Soc Exp Biol Med** 1981 Apr;166(4):542–5
Comparison of the effects of central acting drugs on prolactin release in young and old male rats. Forman LJ, et al. **Proc Soc Exp Biol Med** 1981 Jul;167(3):354–8
The effects of various methods of cervical stimulation on continuation of prolactin surges in rats. Gorospe WC, et al. **Proc Soc Exp Biol Med** 1981 May;167(1):78–82
Inhibition of hypothalamic LHRH depletion after ovariectomy by transplantable prolactin and growth-hormone-secreting tumors. Hodson CA, et al. **Proc Soc Exp Biol Med** 1981 Jul;167(3):369–73
Estrogen and progesterone affect electrically induced release of Luteinizing hormone and prolactin in macaques. Jackson GL, et al. **Proc Soc Exp Biol Med** 1981 Jun;167(2):194–200
Size heterogeneity of rat prolactin secreted in vitro: effect of incubation time and dopamine. Lawson DM. **Proc Soc Exp Biol Med** 1980 Nov;165(2):364–7
Tyrosine hydroxylase activity in the median eminence area of the pseudopregnant rat during surges of prolactin secretion. Voogt JL, et al. **Proc Soc Exp Biol Med** 1981 Feb;166(2):277–81
Tuberoinfundibular dopamine neurons and the regulation of prolactin secretion. Gudelsky GA. **Psychoneuroendocrinology** 1981;6(1):3–16 (63 ref.)
Effects of food restriction on the timing of gonadotropin release in the female rat. Kimura F, et al.

Psychoneuroendocrinology 1980;5(3):203–8

Hormones, dopamine receptors and schizophrenia. Meltzer HY, et al. **Psychoneuroendocrinology** 1981;6(1):17–36

The effect of benztropine mesylate on the prolactin response to haloperidol. Halbreich U, et al. **Psychopharmacology (Berlin)** 1980;72(1):61–5

Effect of 5,7–dihydroxytryptamine on serotonergic control of prolactin secretion and behavior in rats. Kuhn CM, et al. **Psychopharmacology (Berlin)** 1981;73(2):188–93

Morphofunctional studies in bromocriptine–treated prolactinomas. Larraza O, et al. **Rev Invest Clin** 1980 Apr–Jun;32(2):165–71

Comparison of prolactin response to suckling and breast pump aspiration in lactating mothers. De Sanctis V, et al. **Ric Clin Lab** 1981 Jan–Mar;11(1):81–5

An approach to the study of cultured secretory cells in various states of activity integrating data from scanning and transmission electron microscopy, immunocytochemistry, autohistoradiography and radioimmunoassy. Antakly T, et al. **Scan Electron Microsc** 1980;(Pt 2):213–22

Suppression of prolactin secretion in normal young women by 2–hydroxyestrone. Fishman J, et al. **Science** 1980 Oct 3;210(4465):73–4

The posterior pituitary: regulation of anterior pituitary prolactin secretion. Peters LL, et al. **Science** 1981 Aug 7; 213(4508):659–61

Apoplexy in a prolactin microadenoma leading to remission of galactorrhea and amenorrhea. Corkill G, et al. **Surg Neurol** 1981 Feb;15(2):114–5

Prolactinomas: surgical therapy, indications and results. Rawe SE, et al. **Surg Neurol** 1980 Sep;14(3):161–7

Prolactin secreting pituitary adenomata are possibly associated with HLA–B8. Farid NR, et al. **Tissue Antigens** 1980 Mar;15(3):333–5

[Prolactin–secreting pituitary adenomas – their diagnosis and therapy] Marek J, et al. **Cesk Neurol Neurochir** 1981 May; 44(3):151–60 (Eng. Abstr.) **(Cze)**

[Secretion of GH, prolactin, LH and FSH during sleep in normal children (author's transl)] Sultan C, et al. **Ann Pediatr (Paris)** 1980 Mar;27(3):145–51 **(Fre)**

[Sleep–waking cycle and the nyctohemeral secretion of prolactin and somatotropin in Parkinson patients. Effect of bromocriptine] Passouant P, et al. **Bull Acad Natl Med (Paris)** 1980 Feb;164(2):134–8 (Eng. Abstr.) **(Fre)**

[Effect of vasoactive intestinal peptide (VIP) on prolactin secretion in man] Bataille D, et al. **C R Acad Sci [D] (Paris)** 1981 Feb 16;292(7):511–3 (Eng. Abstr.) **(Fre)**

[Effect of neuropeptides on prolactin secretion by the adenohypophysis (author's transl)] Enjalbert A, et al. **J Physiol (Paris)** 1980 Jul;76(3):227–31 (Eng. Abstr.) **(Fre)**

[Prolactin secreting cell lines: a tool for the study of the mechanism of action of hypophysiotropic neuropeptides. A review (author's transl)] Gourdji D, et al. **J Physiol (Paris)** 1980 Jul;76(3):233–41 (64 ref.) (Eng. Abstr.) **(Fre)**

[Effects of somatostatin upon prolactin secretion both in normal subjects and in patients presenting pituitary adenoma (author's transl)] Barreca T, et al. **Nouv Presse Med** 1979 Jan 27;8(5):331–3 (Eng. Abstr.) **(Fre)**

[Nasal obstruction, a noteworthy symptom of hypophyseal prolactinoma: apropos of 2 observations] Cherpillod J, et al. **Rev Med Suisse Romande** 1980 Apr;100(4):349–53 **(Fre)**

[Bromocriptine induced cystic tumour regression in advanced prolactinomas (author's transl)] Galvan G, et al. **Dtsch Med Wochenschr** 1981 May 15;106(20):637–42 (Eng. Abstr.) **(Ger)**

[Dissociation of responses of prolactin and TSH to repeated pulses of thyrotropin releasing hormone] Shemesh O, et al. **Harefuah** 1980 Apr 15;98(8):333–5 (Eng. Abstr.) **(Heb)**

[Stereospecificity of hypothalamo–hypophysial dopamine receptors involved in the control of prolactin secretion in normal man: effects of sulpiride stereoisomers] Benfenati F, et al. **Boll Soc Ital Biol Sper** 1980 Jun 30;56(12):1226–32 (Eng. Abstr.) **(Ita)**

[Role of the prostaglandin system in the monoaminergic control of prolactin release in the rat] Costa G, et al. **Boll Soc Ital Biol Sper** 1979 Aug 15;55(15):1492–7 (Eng. Abstr.) **(Ita)**

[Prolactin: control of its secretion and pharmacological interference] Jacobelli A, et al. **Clin Ter** 1980 Dec 31; 95(6):687–98 (38 ref.) (Eng. Abstr.) **(Ita)**

[Prolactin secretion in patients with essential obesity] Gragnoli G, et al. **Minerva Med** 1981 Apr 7;72(14):869–74 (Eng. Abstr.) **(Ita)**

[Thyrotropin and prolactin secretion in autonomous thyroid adenomas] Madeddu G, et al. **Radiol Med (Torino)** 1980 Nov;66(11):854–6 **(Ita)**

[Radiological investigation of prolactin–producing pituitary microadenomas (author's transl)] Smaltino F, et al. **Radiol Med (Torino)** 1981 Jun;67(6):467–72 (Eng. Abstr.) **(Ita)**

[Studies on the role of endogenous opioid peptides in the regulation of prolactin secretion in the rats (author's transl)] Okajima T. **Fukuoka Igaku Zasshi** 1980 Jul;71(7):400–7 (Eng. Abstr.) **(Jpn)**

[Effects of naloxone and morphine on the proestrous surge of prolactin and gonadotropins in the rat (author's transl)] Ieiri T, et al. **Horumon To Rinsho** 1980 Sep;28(9):1017–20 **(Jpn)**

[The mechanism of serotoninergic regulation of prolactin and growth hormone secretion in rats (author's transl)] Kato Y, et al. **Horumon To Rinsho** 1980;28(6):627–32 **(Jpn)**

[Dopamine neuron and prolactin secretion (author's transl)] Takahara J. **Horumon To Rinsho** 1980;28(6):639–44 **(Jpn)**

[Effect of gamma–oryzanol on prolactin secretion (author's transl)] Takayanagi H, et al. **Horumon To Rinsho** 1981 Jan; 29(1):91–3 **(Jpn)**

[Inhibitory effect of tolbutamide on the secretion of several pituitary trophic hormones in primary by hypothyroidism (author's transl)] Shina H. **Nippon Naibunpi Gakkai Zasshi** 1981 Jan 20;57(1):28–41 (Eng. Abstr.) **(Jpn)**

[Studies on the prolactin releasing activity of Decidua in early pregnancy in vitro (author's transl)] Kubota T, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Jan;33(1):51–9 (Eng. Abstr.) **(Jpn)**

[Prolactin secretory dynamics in fetus and its physiological significance] Minaguchi K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Sep; 32(9):1257–65 **(Jpn)**

[Studies on the secretory mode of prolactin during pregnancy and puerperium (author's transl)] Morikawa H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Sep; 32(9):1266–80 **(Jpn)**

[Influences of hypothalamus prolactin inhibiting factor and releasing factors and pineal gland on pituitary prolactin secreting functions (author's transl)] Takahashi K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Sep; 32(9):1249–56 **(Jpn)**

[Complete regression of prolactin–secreting pituitary tumors by bromocriptine therapy (author's transl)] Munemitsu H, et al. **No Shinkei Geka** 1980 Oct;8(10):981–6 (Eng. Abstr.) **(Jpn)**

[Prolactin secretion in various physiological and pathological conditions in humans. Summary of the thesis] Jeske W. **Endokrynol Pol** 1980 May–Jun;31(3):285–91 **(Pol)**

[Effect of gonadotropin releasing hormone, clomide and L–dopa on the secretion of chorionic gonadotropins, follicle–stimulating hormone and prolactin in the first trimester of uncomplicated pregnancy] Rzempołuch J. **Ginekol Pol** 1981 Jan;52(2):211–4 **(Pol)**

[Dynamic evaluation of prolactin secretion in acromegaly (author's transl)] Chacra AR, et al. **Rev Bras Pesqui Med Biol** 1980 Apr;13(1–3):57–64 (Eng. Abstr.) **(Por)**

[Role of prolactin in the development of mammary gland tumors induced by dimethylbenzanthracene] Dedov II, et al. **Biull Eksp Biol Med** 1980 Sep;90(9):348–50 (Eng. Abstr.) **(Rus)**

[Calcium and somatostatin interaction in regulating prolactin and somatotropic hormone release from rat adenohypophysis cells in primary culture] Gudoshnikov VI, et al. **Probl Endokrinol (Mosk)** 1980;26(6):50–3 (Eng. Abstr.) **(Rus)**

[Changes in lactotropocytes following administration of a pineal factor which stimulates prolactin secretion] Kozyritskii VG, et al. **Tsitologiia** 1980 Apr;22(4):405–8 (Eng. Abstr.) **(Rus)**

[Role of calcium and potassium in regulating prolactin and somatotropic hormone release in cell cultures of rat adenohypophysis] Gudoshnikov VI, et al. **Vopr Med Khim** 1980 Jul–Aug;26(4):525–8 (Eng. Abstr.) **(Rus)**

[Response to the treatment of non–puerperal galactorrhea with dihydroergotoxine (author's transl)] Zielinski de Jakubowicz D, et al. **Acta Cient Venez** 1979;30(1):98–104 (Eng. Abstr.) **(Spa)**

[Prolactin and galactorrhea] del Pozo E. **Acta Med Port** 1980 Jul–Aug;1(4):483–94 **(Spa)**

[Effect of methylergovine on the secretion of prolactin in childbirth and the puerperium] Javier del Castillo F, et al. **Ginecol Obstet Mex** 1980 Nov;48(289):311–6 (Eng. Abstr.) **(Spa)**

[Response of prolactin to thyrotrophin–RH(TRH) and chlorpromazine stimulation in the syndrome of hypogonadism and anosmia (author's transl)] García–Peris P, et al. **Med Clin (Barc)** 1980 Oct 25;75(7):273–8 (Eng. Abstr.) **(Spa)**

[Bromocriptine in the treatment of prolactinoma and chiasmatic compression (author's transl)] Forsbach G, et al. **Rev Invest Clin** 1981 Jan–Mar;33(1):61–3 (Eng. Abstr.) **(Spa)**

[Prolactinoma and pregnancy] Bergh T, et al. **Lakartidningen** 1981 Jun 17;78(25):2449–51 (Eng. Abstr.) **(Swe)**

THERAPEUTIC USE

Effects of prolactin and bromocriptine on the luteal phase in infertile women. Fredricsson B, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Apr;11(5):319–33

Responses of luteinizing hormone, follicle–stimulating hormone, and prolactin to prolonged administration of the dopamine antagonist in normal women and women with low–weight amenorrhea. Larsen S. **Fertil Steril** 1981 Jun; 35(6):642–6

PROLACTIN RELEASE INHIBITING HORMONE

METABOLISM

[Influences of hypothalamus prolactin inhibiting factor and releasing factors and pineal gland on pituitary prolactin secreting functions (author's transl)] Takahashi K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Sep; 32(9):1249–56 **(Jpn)**

PHYSIOLOGY

Dopamine, PIF, and other regulators of prolactin secretion. Clemens JA, et al. **Fed Proc** 1980 Sep;39(11):2907–11

PROLACTIN RELEASING HORMONE

BLOOD

Prolactin–releasing activity in methanol extracts of human plasma: problems with the bioassay of this activity. Halpern B, et al. **J Clin Endocrinol Metab** 1981 Feb;52(2):199–203

METABOLISM

[Influences of hypothalamus prolactin inhibiting factor and releasing factors and pineal gland on pituitary prolactin secreting functions (author's transl)] Takahashi K, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Sep; 32(9):1249–56 **(Jpn)**

PHARMACODYNAMICS

Inhibition of pituitary–testicular axis response to gonadotropin releasing hormone by pineal treatment. Damian E, et al. **Endocrinologie** 1981 Apr–Jun;19(2):93–6

Evidence that thyrotropin–releasing hormone and a hypothalamic prolactin–releasing factor may function in the release of prolactin in the lactating rat. Grosvenor CE, et al. **Endocrinology** 1980 Oct;107(4):863–8

PHYSIOLOGY

Physiological evidence for the existence of prolactin releasing factor: stress–induced prolactin secretion is not linked to dopaminergic receptors. Shin SH. **Neuroendocrinology** 1980 Dec;31(6):375–9

SECRETION

The effect of dopamine on the release of prolactin in sheep with lesions of the hypothetical centre producing prolactin inhibiting factor (PIF). Wróblewska B, et al. **Acta Physiol Pol** 1980 Jul–Aug;31(4):333–9

[Prolactin–secreting hypophyseal tumors and pregnancy: general remarks and report of a case] Russo A, et al. **Minerva Ginecol** 1980 Jul–Aug;32(7–8):609–19 (Eng. Abstr.) **(Ita)**

PROLINE

1H–1H and 13C–13C vicinal coupling constants and amino acid side chain conformation in peptides. Toma F, et al. **Biochem Biophys Res Commun** 1980 Nov 28;97(2):751–8

Investigation of captopril for methodological interferences in continuous–flow (SMAC) profiles [letter] Sedor FA, et al. **Clin Chem** 1981 Jan;27(1):208–9

The location and nature of calcium–binding sites in salivary acidic proline–rich phosphoproteins. Bennick A, et al. **J Biol Chem** 1981 May 25;256(10):4741–6

The role of proline residues in the folding kinetics of the bovine pancreatic trypsin inhibitor derivative RCAM(14–38). Jullien M, et al. **J Mol Biol** 1981 Jan 5; 145(1):265–80

Effect of proline residues on protein folding. Levitt M. **J Mol Biol** 1981 Jan 5;145(1):251–63

Nonenzymatic hydroxylations of proline and lysine by reduced oxygen derivatives. Trelstad RL, et al. **Nature** 1981 Jan 22;289(5795):310–2

[Proline–iminopeptidase of the blood (PIP): and interesting alternative to urinary hydroxyproline] D'Amore M, et al. **Clin Ter** 1980 Sep 30;94(6):635–9 (Eng. Abstr.) **(Ita)**

ADMINISTRATION & DOSAGE

[Role of the sympathetic–adrenal system in the action of parenterally administered nitrous substances on gastric secretory function] Vasilevskaia LS, et al. **Vopr Pitan** 1981 Jan–Feb;(1):36–9 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

Effects of angiotensin I converting enzyme inhibitor (SQ 14225) on control of aldosterone. Eguchi T, et al. **Acta Endocrinol (Copenh)** 1980 Jun;94(2):213–20

Membranous glomerulopathy in a patient on captopril. Hoorntje SJ, et al. **Acta Med Scand** 1980;208(4):325–9

Captopril, an orally active converting enzyme inhibitor, in the treatment of primary hypertension. A controlled long–term study with reference to initial plasma renin activity. Karlberg BE, et al. **Acta Med Scand** 1981; 209(4):245–52

Captopril in primary hypertension. Effects related to the renin–angiotensin–aldosterone and kallikrein–kinin systems. Ohman KP, et al. **Acta Med Scand [Suppl]** 1981;646:98–105

Angiotensin-converting enzyme inhibitors: pathogenic and therapeutic implications for arterial hypertension. Waeber B, et al. **Adv Nephrol** 1981;10:111–33

Angiotensin-converting enzyme inhibitors. Dipalma JR. **Am Fam Physician** 1980 Nov;22(5):164–5

Efficacy of oral angiotensin-converting enzyme inhibition with captopril therapy in severe chronic normotensive congestive heart failure. Awan NA, et al. **Am Heart J** 1981 Jan;101(1):22–31

Angiotensin inhibition in severe heart failure: acute central and limb hemodynamic effects of captopril with observations on sustained oral therapy. Faxon DP, et al. **Am Heart J** 1981 May;101(5):548–56

Clinical pharmacology and therapeutic applications of the new oral angiotensin converting enzyme inhibitor, captopril. Ferguson RK, et al. **Am Heart J** 1981 May; 101(5):650–6

Anti-renin system therapy. A new horizon for understanding and treating hypertension. Laragh JH. **Am Heart J** 1981 Mar;101(3):364–8 (21 ref.)

Interaction of minoxidil and captopril in the treatment of refractory hypertension. Matson JR, et al. **Am J Dis Child** 1981 Mar;135(3):256–8

Gas chromatography/selected ion monitoring mass spectrometric determination of captopril in human blood. Funke PT, et al. **Anal Chem** 1980 Jun;52(7):1086–9

Fatal pancytopenia associated with the use of captopril. Gavras I, et al. **Ann Intern Med** 1981 Jan;94(1):58–9

Reversal of long-standing renal insufficiency by captopril in a patient with relapsing hemolytic uremic syndrome due to an oral contraceptive. Hoorntje SJ, et al. **Ann Intern Med** 1981 Mar;94(3):355–7

Ulceration of the tongue: a complication of captopril therapy. Nicholls MG, et al. **Ann Intern Med** 1981 May;94(5):659

Effect of 1-aminoproline on methionine metabolism in rats. Kimoto M, et al. **Arch Biochem Biophys** 1981 Feb; 206(2):336–41

Regulation of collagen synthesis and maturation by 3,4-dehydroproline. Kerwar SS. **Arch Biol Med Exp (Santiago)** 1979 OCT;12(3):359–66

Captopril: an oral angiotension converting enzyme inhibitor active in man. Brunner HR, et al. **Arch Int Pharmacodyn Ther** 1980;Suppl:188–212

First dose effect of the oral angiotensin converting enzyme inhibitor captopril. Fagard R, et al. **Arch Int Pharmacodyn Ther** 1980;Suppl:178–87

Effect of SQ 14225 and SQ 20881 on the norepinephrine contents of the central nervous system. Dominguez AE, et al. **Arch Int Physiol Biochim** 1981 Feb;89(1):89–90

Effects of captopril on both hypertension and proteinuria. Report of a case of renovascular hypertension associated with nephrotic syndrome. Takeda R, et al. **Arch Intern Med** 1980 Nov;140(11):1531–3

Efficacy of an oral angiotensin-converting enzyme inhibitor (captopril) in severe hypertension. Zweifler AJ, et al. **Arch Intern Med** 1981 Jun;141(7):907–10

Antihypertensive action of captopril in angiotensin-salt hypertension. Muirhead EE, et al. **Arch Pathol Lab Med** 1980 Dec;104(12):631–4

Captopril-induced agranulocytosis in systemic sclerosis. Watson MA, et al. **Aust NZ J Med** 1981 Feb;11(1):79–81

Effects of SQ 14.225, an orally active inhibitor of angiotensin-converting enzyme, on hypoxic pulmonary hypertension and right ventricular hypertrophy in rats. Kentera D, et al. **Basic Res Cardiol** 1981 May–Jun; 76(3):344–51

Effect of captopril on proteins and peptide hormones. Igic RP, et al. **Biochem Pharmacol** 1981 Mar 15;30(6):683–5

Captopril in clinical hypertension. Changes in components of renin-angiotensin system and in body composition in relation to fall in blood pressure with a note on measurement of angiotensin II during converting enzyme inhibition. Atkinson AB, et al. **Br Heart J** 1980 Sep; 44(3):290–6

Attenuation by SQ 14,255 (captopril) of the vascular response to noradrenaline in the rate isolated kidney [letter] Casellas D, et al. **Br J Clin Pharmacol** 1980 Dec;10(6):621–3

Hepatitis associated with captopril treatment. Vandenburg M, et al. **Br J Clin Pharmacol** 1981 Jan;11(1):105–6

Hyponatraemia in congestive heart failure during treatment with captopril. Nicholls MG, et al. **Br Med J** 1980 Oct 4;281(6245):909

Captopril-induced pemphigus. Parfrey PS, et al. **Br Med J** 1980 Jul 19;281(6234):194

Fatal bone-marrow suppression associated with captopril. el-Makri A, et al. **Br Med J [Clin Res]** 1981 Jul 25; 283(6286):277–8

Angiotensin converting enzyme inhibition: a new therapeutic modality. Gavras H, et al. **Bull NY Acad Med** 1981 May; 57(4):304–10

Captopril treatment of refractory hypertension in children [letter] Chan LL, et al. **Can Med Assoc J** 1981 Feb 1; 124(3):255–9

Metabolic fate of nitrosoproline in the rat. Chu C, et al. **Cancer Res** 1981 Sep;41(9 Pt 1):3653–7

Quantitative estimation of endogenous nitrosation in humans by monitoring N-nitrosoproline excreted in the urine. Ohshima H, et al. **Cancer Res** 1981 Sep;41(9 Pt 1):3658–62

Haemodynamic effects of angiotensin converting enzyme inhibition after cardiopulmonary bypass in dogs. Taylor KM, et al. **Cardiovasc Res** 1980 Apr;14(4):199–205

Determination of captopril in blood and urine by high-performance liquid chromatography. Kawahara Y, et al. **Chem Pharm Bull (Tokyo)** 1981 Jan;29(1):150–7

The opposing effects of chronic angiotensin-converting enzyme blockade by captopril on the responses to exogenous angiotensin II and vasopressin vs. norepinephrine in rats. Spertini F, et al. **Circ Res** 1981 May; 48(5):612–8

Acute regional circulatory and renal hemodynamic effects of converting-enzyme inhibition in patients with congestive heart failure. Creager MA, et al. **Circulation** 1981 Sep; 64(3):483–9

Combined captopril and spironolactone treatment in Conn's syndrome with renal impairment and refractory hypertension. Atkinson AB, et al. **Clin Endocrinol (Oxf)** 1981 Jan;14(1):105–8

Effects of captopril in animal models of hypertension. Antonaccio MJ, et al. **Clin Exp Hypertens** 1980; 2(3–4):613–37 (62 ref.)

Angiotensin II and renal hypertension in dog, rat and man: effect of converting enzyme inhibition. Atkinson AB, et al. **Clin Exp Hypertens** 1980;2(3–4):499–524 (58 ref.)

Antihypertensive effects of angiotensin blockade: saralasin versus captopril. Baker KM, et al. **Clin Exp Hypertens** 1980; 2(6):947–54

Enhancement by diuretics of the antihypertensive action of long-term angiotensin converting enzyme blockade. Brunner HR, et al. **Clin Exp Hypertens** 1980;2(3–4):639–57

The effects of captopril on blood pressure in essential hypertensive patients with low or normal plasma renin activity. Interference with autonomic nervous system. Degli Esposti E, et al. **Clin Exp Hypertens** 1981;3(3):439–54

Aldosterone-induced hypertension: effects of a kininase inhibitor. Douglas BH, et al. **Clin Exp Hypertens** 1980; 2(5):915–21

Comparison of the acute and chronic hemodynamic effects of captopril and guanethidine in spontaneously hypertensive rats. Ferrone RA, et al. **Clin Exp Hypertens** 1980 Feb;2(2):247–72

Captopril and hypertension development in the SHR. Giudicelli JF, et al. **Clin Exp Hypertens** 1980;2(6):1083–96

Single-dose captopril administration in DOCA/salt rats: reduction of hypotensive effect by indomethacin. Miyamori I, et al. **Clin Exp Hypertens** 1980;2(6):935–45

Effect of angiotensin converting enzyme inhibition with SQ 14 225 on blood pressure in sheep. Stewart KW, et al. **Clin Exp Hypertens** 1981;3(1):159–71

Renal, adrenal and vascular changes during inhibition of converting enzyme with captopril. Clappison BH, et al. **Clin Exp Pharmacol Physiol** 1980 Sep–Oct;7(5):493–8

Hypotensive effects of captopril administered centrally in intace conscious spontanously hypertensive rats and peripherally in anephric anaesthetized spontaneously hypertensive rats. Hutchinson JS, et al. **Clin Exp Pharmacol Physiol** 1980 Sep–Oct;7(5):555–8

Acute changes in blood pressure and vasoactive hormones after captopril in hypertensive patients. McGrath BP, et al. **Clin Exp Pharmacol Physiol** 1980 Sep–Oct;7(5):487–91

The effects of captopril (SQ14,225) on the systemic and coronary haemodynamics of the intact anaesthetized dog. Maxwell GM, et al. **Clin Exp Pharmacol Physiol** 1981 Jan; 8(1):17–23

Captopril in mild and severe hypertension. Walter NM, et al. **Clin Exp Pharmacol Physiol** 1980 Sep–Oct;7(5):477–80

Uncontrollable hypertension in patients on hemodialysis: long-term treatment with captopril and salt subtraction. Wauters JP, et al. **Clin Nephrol** 1981 Aug;16(2):86–92

Effects of captopril on blood pressure, electrolytes, and certain hormones in hypertension. Guillevin L, et al. **Clin Pharmacol Ther** 1981 Jun;29(6):699–704

Dose response in captopril therapy of hypertension. Lijnen P, et al. **Clin Pharmacol Ther** 1980 Sep;28(3):310–5

Long-term effects of captopril in hypertension. Maruyama A, et al. **Clin Pharmacol Ther** 1980 Sep;28(3):316–23

Endocrine profile in the long-term phase of converting-enzyme inhibition. Swartz SL, et al. **Clin Pharmacol Ther** 1980 Oct;28(4):499–508

The effects of meclofenamate, captopril and phentolamine on organ blood flow in the conscious rabbit. Banks RA, et al. **Clin Sci** 1981 Jul;61(1):97–105

Opposite effects of captopril on angiotensin I-converting enzyme 'activity' and 'concentration'; relation between enzyme inhibition and long-term blood pressure response. Boomsma F, et al. **Clin Sci** 1981 May;60(5):491–8

Captopril attenuates adrenergic vasoconstriction in rat mesenteric arteries by angiotensin-dependent and -independent mechanisms. Collis MG, et al. **Clin Sci** 1981 Sep;61(3):281–6

Acute effects of captopril on blood pressure and circulating hormone levels in salt-replete and depleted normal subjects and essential hypertensive patients. Millar JA, et al. **Clin Sci** 1981 Jul;61(1):75–93

The effect of captopril on blood pressure and angiotensins I, II and III in sodium-depleted dogs: problems associated with the measurement of angiotensin II after inhibition of converting enzyme. Morton JJ, et al. **Clin Sci** 1980 Jun; 58(6):445–50

Captopril combined with thiazide lowers renin substrate concentration: implications for methodology in renin assays. Rasmussen S, et al. **Clin Sci** 1981 May;60(5):591–3

Evidence that the acute hypotensive effect of captopril in dogs is not wholly explained by a reduction of plasma angiotensin II and its direct vasoconstrictor effect. Tree M, et al. **Clin Sci** 1980 Dec;59(6):451–6

Effect of the converting-enzyme inhibitor SQ 14 225 (captopril) in early one-kidney, one-clip hypertension in the rat. Vandongen R, et al. **Clin Sci** 1981 Apr;60(4):387–92

Role of prostaglandin in the antihypertensive mechanism of captopril in low renin hypertension. Abe K, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:141s–144s

Captopril affects blood pressure equally in renovascular and essential hypertension and in the fluid-depleted anephric state. de Bruyn JH, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:83s–86s

Hypotensive effects of captopril, saralasin and bromocriptine in spontaneously hypertensive rats. Hutchinson JS, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:79s–82s

The renin--angiotensin--aldosterone system in the maintenance of blood pressure, aldosterone secretion and sodium balance in normotensive subjects. MacGregor GA, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:95s–99s

Adrenal angiotensin II receptors and vascular reactivity to angiotensin II in the rat during continuous inhibition of angiotensin converting enzyme. Millar JA, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:65s–69s

Altered blood pressure and renin responses to converting enzyme inhibition after aprotinin-induced kallikrein-kinin-system blockade. Overlack A, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:129s–132s

Increase in prostaglandins during converting enzyme inhibition. Swartz SL, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:133s–135s

Captopril: a preliminary review of its pharmacological properties and therapeutic efficacy. Heel RC, et al. **Drugs** 1980 Dec;20(6):409–52 (129 ref.)

Responses of blood pressure and angiotensin-converting enzyme activity to acute captopril administration in normotensive and hypertensive rats. Levens NR, et al. **Endocrinology** 1981 Feb;108(2):536–44

Identification of N,N-dimethylproline as the N-terminal blocking group of Crithidia oncopelti cytochrome c557. Smith GM, et al. **Eur J Biochem** 1980 Sep;110(1):123–30

Successful acute and long-term treatment of renin-induced hypertension in two infants with captopril. Rosendahl W, et al. **Eur J Pediatr** 1980 Dec;135(2):161–4

Evidence for prejunctional inhibition of norepinephrine release by captopril in spontaneously hypertensive rats. Antonaccio MJ, et al. **Eur J Pharmacol** 1980 Nov 21; 68(2):209–12

Captopril given intracerebroventricularly, subcutaneously or by gavage inhibits angiotensin-converting enzyme activity in the rat brain. Evered MD, et al. **Eur J Pharmacol** 1980 Dec 19;68(4):443–9

Induction of angiotensin I-converting enzyme rat lung with Captopril (SQ 14225). Fyhrquist F, et al. **Eur J Pharmacol** 1980 Oct 31;67(4):473–5

Relationship between inhibition of pressor response to angiotensin I and blood concentration of captopril following a single oral administration to dogs. Koike H, et al. **Eur J Pharmacol** 1981 Feb 19;69(4):447–51

Effect of the time interval between blood sampling and assay on serum angiotensin I-converting enzyme activity from captopril-treated rats. Lai FM, et al. **Eur J Pharmacol** 1980 Oct 3;67(1):97–9

Prostacyclin mediates the potentiated hypotensive effect of bradykinin following captopril treatment. Mullane KM, et al. **Eur J Pharmacol** 1980 Sep 5;66(4):355–65

Potentiation of the morphine-induced respiratory rate depression by captopril. Oktay S, et al. **Eur J Pharmacol** 1981 Mar 26;70(3):257–62

The effect of prostaglandin synthesis inhibition of the acute blood pressure reduction by captopril in pentobarbital-anaesthetized rats. Provoost AP. **Eur J Pharmacol** 1980 Aug 8;65(4):425–8

Efficacy of captopril in experimental low renin hypertension. Tikkanen I, et al. **Eur J Pharmacol** 1980 Nov 21; 68(2):197–200

Brain converting enzyme inhibition: a possible mechanism for the antihypertensive action of captopril in spontaneously hypertensive rats. Unger T, et al. **Eur J Pharmacol** 1981 Apr 9;70(4):467–78

Plasma-converting enzyme activity does not reflect effectiveness of oral treatment with captopril. Unger T, et al. **Eur J Pharmacol** 1981 Jun 19;72(2–3):255–9

Captopril approved for hypertension. **FDA Drug Bull** 1981 Jul;11(2):10–1

Pre- and postjunctional inhibition of vascular sympathetic function by captopril in SHR. Implication of vascular angiotensin II in hypertension and antihypertensive actions of captopril. Antonaccio MJ, et al. **Hypertension** 1981 May–Jun;3(3 Pt 2):I54–62

Renal artery stenosis with normal angiotensin II values. Relationship between angiotensin II and body sodium and potassium on correction of hypertension by captopril and subsequent surgery. Atkinson AB, et al. **Hypertension** 1981 Jan–Feb;3(1):53–8

Interruption of the renin-angiotensin system in hypertensive patients by captopril induces sustained reduction in aldosterone secretion, potassium retention and natruiresis. Atlas SA, et al. **Hypertension** 1979 May–Jun;1(3):274–80

Role of kinins in the acute antihypertensive effect of the converting enzyme inhibitor, captopril. Carretero OA, et al. **Hypertension** 1981 Jan–Feb;3(1):18–22

Differences in response to the peptidyldipeptide hydrolase inhibitors SQ 20,881 and SQ 14,225 in normal-renin

essential hypertension. Crantz FR, et al. **Hypertension** 1980 Sep–Oct;2(5):604–9
Role of mineralocorticoid in the chronic antihypertensive effect of converting enzyme inhibitor. Maitra SR, et al. **Hypertension** 1981 Mar–Apr;3(2):205–10
The antihypertensive effect of captopril. Evidence for an influence of kinins. Mimran A, et al. **Hypertension** 1980 Nov–Dec;2(6):732–7
Contribution of prostaglandins to the antihypertensive action of captopril in essential hypertension. Moore TJ, et al. **Hypertension** 1981 Mar–Apr;3(2):168–73
Comparative effects of teprotide and captopril [letter] Ruddy MC. **Hypertension** 1981 Mar–Apr;3(2):277–8
Converting enzyme inhibition during chronic angiotensin II infusion in rats. Evidence against a nonangiotensin mechanism. Textor SC, et al. **Hypertension** 1981 Mar–Apr; 3(2):269–76
Inhibition of human converting enzyme in vitro by a novel tripeptide analog. Weare JA, et al. **Hypertension** 1981 May–Jun;3(3 Pt 2):I50–3
Rotational isomerism about the C alpha–CO bond in proline derivatives. 1H and 13C N.m.r. studies of benzyloxycarbonyl–Pro–N–methylamide and pivaloyl–pro–N–methylamide. Nagaraj R, et al. **Int J Pept Protein Res** 1980 Oct;16(4):291–8
Synthesis and chromatographic properties of selenazolidine–2–carboxylic acid (beta–selenaproline). De Marco C, et al. **Ital J Biochem** 1979 Mar–Apr;28(2):104–10
Feline hypoxic pulmonary vasoconstriction is not blocked by the angiotensin I–converting enzyme inhibitor, captopril. Prewitt RL, et al. **J Cardiovasc Pharmacol** 1981 Mar–Apr;3(2):293–8
High–performance liquid chromatographic analyses of the antihypertensiye drug captopril. Perlman S, et al. **J Chromatogr** 1981 Feb 20;206(2):311–7
Suppression of captopril–induced increase in plasma renin activity by des–Asp1–,Ileu8–angiotensin II in man. Kono T, et al. **J Clin Endocrinol Metab** 1981 Feb;52(2):354–8
Angiotensin II is more potent than potassium in regulating aldosterone in cardiac failure: evidence during captopril therapy. Nicholls MG, et al. **J Clin Endocrinol Metab** 1981 Jun;52(6):1253–6
Effect of captopril and aprotinin on inactive renin. Sealey JE, et al. **J Clin Endocrinol Metab** 1981 Sep;53(3):626–30
Captopril–induced changes in prostaglandin production: relationship to vascular responses in normal man. Swartz SL, et al. **J Clin Invest** 1980 Jun;65(6):1257–64
Effect of SQ 14225, an inhibitor of angiotensin I–converting enzyme, on the granulomatous response to Schistosoma mansoni eggs in mice. Weinstock JV, et al. **J Clin Invest** 1981 Apr;67(4):931–6
Captopril in human blood and breast milk. Devlin RG, et al. **J Clin Pharmacol** 1981 Feb–Mar;21(2):110–3
Effect of inhibition of converting enzyme on inactive renin in the circulation of salt–replete and salt–deplete normal subjects. Millar JA, et al. **J Endocrinol** 1980 Aug; 86(2):329–35
Effect of 12–hour infusions of saralasin or captopril on blood pressure in hypertensive conscious rats. Relationship to plasma renin, duration of hypertension, and effect of unclipping. Bing RF, et al. **J Lab Clin Med** 1981 Aug; 98(2):302–10
Bleomycin–induced pulmonary fibrosis in the rat. Prevention with an inhibitor of collagen synthesis. Kelley J, et al. **J Lab Clin Med** 1980 Dec;96(6):954–64
Effective use of captopril (angiotensin I–converting enzyme inhibitor) in severe childhood hypertension. Friedman A, et al. **J Pediatr** 1980 Oct;97(4):664–7
High–performance liquid chromatographic analysis of captopril in plasma. Jarrott B, et al. **J Pharm Sci** 1981 Jun; 70(6):665–7
Hypotensive effect of captopril in relation to plasma renin activity in anesthetized rats. Satoh S, et al. **J Pharmacobiodyn** 1980 May;3(5):258–60
Metabolism of [3H]benzoyl–phenylalanyl–alanyl–proline by pulmonary angiotensin converting enzyme in vivo: effects of bradykinin, SQ 14225 or acute hypoxia. Catravas JD, et al. **J Pharmacol Exp Ther** 1981 May;217(2):263–70
Effect of the angiotensin converting enzyme inhibitor, captopril, on NaCl appetite of rats. Fregly MJ. **J Pharmacol Exp Ther** 1980 Nov;215(2):407–12
The effect of captopril and ascorbic acid on nonenzymatic methionine enkephalin inactivation in the guinea–pig ileum. Greenberg R, et al. **J Pharmacol Exp Ther** 1981 Jun; 217(3):750–6
Antihypertensive activity of captopril (SQ 14,225), an orally active inhibitor of angiotensin converting enzyme in conscious two–kidney perinephritic hypertensive dogs. Vollmer RR, et al. **J Pharmacol Exp Ther** 1981 Feb; 216(2):225–31
Mechanism of captopril–induced renal vasodilatation in anesthetized dogs after nonhypotensive hemorrhage. Wong PC, et al. **J Pharmacol Exp Ther** 1980 Oct;215(1):104–9
Captopril for refractory hypertension in patients with chronic renal failure and renal transplantation. Hamilton DV, et al. **J R Soc Med** 1981 May;74(5):357–62
Comparison of antihypertensive effects of captopril and propranolol in essential hypertension. Huang CM, et al. **JAMA** 1981 Feb 6;245(5):478–82
Captopril in diuretic–treated hypertensive patients. Koffer H, et al. **JAMA** 1980 Dec 5;244(22):2532–5
Hyperkalemia resulting from captopril administration. Warren SE, et al. **JAMA** 1980 Dec 5;244(22):2551–2
Effects of a single administration of captopril on hemodynamics and serum angiotensin converting enzyme activity, plasma renin activity and plasma aldosterone concentration in hypertensive patients. Hashimoto H, et al. **Jpn Circ J** 1981 Feb;45(2):176–80
Analysis of the mechanism of acute decrease of blood pressure induced by captopril (SQ 14,225) in dogs by the use of aprotinin, SAR1–ILE8–angiotensin II and indomethacin. Ohara N, et al. **Jpn Circ J** 1981 Jun; 45(6):672–9
Exaggerated response of renin secretion to captopril (SQ 14225) in renovascular hypertension. Imai Y, et al. **Jpn Heart J** 1980 Nov;21(6):793–802
Effect of captopril, a converting enzyme inhibitor on renal vascular resistance in pentobarbital anesthetized dogs. Satoh S, et al. **Jpn J Pharmacol** 1980 Aug;30(4):515–9
Effects of long–term treatments with captopril on blood pressure and renin activity in the stroke–prone spontaneously hypertensive rats. Watanabe TX, et al. **Jpn J Pharmacol** 1980 Dec;30(6):819–27
Indirect evidence against a role of the kinin system in the renal hemodynamic effect of captopril in the rat. Mimran A, et al. **Kidney Int** 1980 Dec;18(6):746–53
Captopril in various forms of severe therapy–resistant hypertension. Studer A, et al. **Klin Wochenschr** 1981 Jan 15;59(2):59–67
Relief from malignant hypertension by treatment with captopril in a patient on maintenance hemodialysis. Witzgall H. **Klin Wochenschr** 1980 Sep 1;58(17):871–3
Successful low dose captopril rechallenge following drug–induced leucopenia [letter] **Lancet** 1981 Jun 20; 1(8234):1362–3
Successful reintroduction of captopril following neutropenia [letter] Edwards CR, et al. **Lancet** 1981 Mar 28;1(8222):723
Captopril–associated leucopenia confirmed by rechallenge in patient with renal failure [letter] Forslund T, et al. **Lancet** 1981 Jan 17;1(8212):166
Absence of rebound deterioration in cardiac function upon withdrawal of captopril for heart failure [letter] Ikram H, et al. **Lancet** 1981 Apr 11;1(8224):844
Immunosuppressive action of captopril blocked by prostaglandin synthetase inhibitor [letter] Johnsen SA, et al. **Lancet** 1981 May 2;1(8227):1005
Captopril and the immune system [letter] Kallenberg CG, et al. **Lancet** 1981 Jul 11;2(8237):92
Eosinophilia during captopril treatment [letter] Kayanakis JG, et al. **Lancet** 1980 Oct 25;2(8200):923
Captopril or frusemide in drug–resistant hypertension? [letter] Kristensen BO, et al. **Lancet** 1980 Sep 27;2(8196):699–700
Haemodynamic, hormonal, and electrolyte responses to captopril in resistant heart failure. Maslowski AH, et al. **Lancet** 1981 Jan 10;1(8211):71–4
Low–dose captopril in chronic heart failure: acute haemodynamic effects and long–term treatment. Sharpe DN, et al. **Lancet** 1980 Nov 29;2(8205):1154–7
Effects of captopril, diuretic, and their combination in low–renin essential hypertension. Ferguson RK, et al. **Life Sci** 1980 Dec 22–29;27(25–26):2519–22
Role of extrarenal and intrarenal converting enzyme inhibition in renal vasodilator response to intravenous captopril. Wong PC, et al. **Life Sci** 1980 Oct 6; 27(14):1291–7
Captopril induced nephrotic syndrome [letter] Joyce DA, et al. **Med J Aust** 1981 Feb 21;1(4):190–1
New inhibitor of angiotension–converting enzyme is stable on storage in plasma [letter] Anderson T, et al. **N Engl J Med** 1981 Jun 18;304(25):1550
Effects of captopril in Bartter's syndrome [letter] Aurell M, et al. **N Engl J Med** 1981 Jun 25;304(26):1609
More on captopril and measurement of angiotensin–converting enzyme [letter] Dux S, et al. **N Engl J Med** 1981 Feb 12;304(7):423–4
Hyperkinetic circulation associated with captopril therapy for congestive heart failure [letter] Fouad FM, et al. **N Engl J Med** 1981 Aug 13;305(7):405–6
Low temperature sustains inhibition of angiotensin–converting–enzyme activity in serum from patients taking captopril [letter] Imbs JL, et al. **N Engl J Med** 1981 Jul 23;305(4):229
Beta blockade during captopril treatment for hypertension [letter] Staessen J, et al. **N Engl J Med** 1980 Nov 6; 303(19):1121–2
Rise of plasma aldosterone during long–term captopril treatment [letter] Staessen J, et al. **N Engl J Med** 1981 Apr 30;304(18):1110
False–positive urine ketone test with captopril [letter] Warren SE. **N Engl J Med** 1980 Oct 23;303(17):1003–4
Maintenance of blood pressure by the renin–angiotensin system in normal man. MacGregor GA, et al. **Nature** 1981 May 28;291(5813):329–31
Clinical course of patients with scleroderma renal crisis treated with captopril. Zawada ET Jr, et al. **Nephron** 1981; 27(2):74–8
Enkephalin degradation stimulated by captopril. Hui KS, et al. **Neurosci Lett** 1980 Dec;20(3):341–5
Malignant hypertension developing while on captopril [letter] Bailey RR. **NZ Med J** 1980 Jul 9;92(663):31
Effect of the angiotensin–converting enzyme inhibitor, captopril, on development of renal hypertension in rats. Fregly MJ, et al. **Pharmacology** 1981;22(5):277–85
Hypertension screening and treatment with angiotensin inhibitors. Saralasin and captopril. Zawada ET, et al. **Postgrad Med** 1980 Oct;68(4):89–92, 94–5, 98
Effects of captopril (SQ 14,225) in a patient with primary pulmonary hypertension. Horowitz JD, et al. **Postgrad Med J** 1981 Feb;57(664):115–6
Long term effect of captopril in hypertension with chronic renal failure. Gassia JP, et al. **Proc Eur Dial Transplant Assoc** 1980;17:719–24
Pyrroline–5–carboxylate synthase activity in mammalian cells. Smith RJ, et al. **Proc Natl Acad Sci USA** 1980 Sep; 77(9):5221–5
Effect of ganglionic blockade on pressor responses to angiotensin II during converting enzyme inhibition. Elijovich F, et al. **Proc Soc Exp Biol Med** 1980 Sep; 164(4):556–60
Effect of captopril on the blood pressure response to angiotensin I in turkeys. Fregly MJ, et al. **Proc Soc Exp Biol Med** 1981 Jan;166(1):35–8
Mechanism of Captopril–induced renin release in conscious rats. Schiffrin EL, et al. **Proc Soc Exp Biol Med** 1981 Jul; 167(3):327–32
Renal vasodilatation caused by captopril in conscious normotensive and Goldblatt hypertensive dogs. Zimmerman BG, et al. **Proc Soc Exp Biol Med** 1980 Sep; 164(4):459–65
Kallikrein, kinins and blood pressure – effects of angiotensin–converting enzyme inhibition. Johnston CI, et al. **Prog Biochem Pharmacol** 1980;17:123–33
Overview of the role of angiotensin inhibitors in delineating the function of the renin–angiotensin system. McCaa RE. **Prog Biochem Pharmacol** 1980;17:29–35
Effect of captopril on pre–existing and aminonucleoside–induced proteinuria in spontaneously hypertensive rats. Chiu PJ, et al. **Res Commun Chem Pathol Pharmacol** 1981 Mar; 31(3):419–33
Studies on the mechanism of captopril induced hypotension in rats. Clarke DE, et al. **Res Commun Chem Pathol Pharmacol** 1981 Jan;31(1):13–30
Indomethacin inhibits the antihypertensive effect of captopril, SQ 14225, in low renin hypertension. Abe K, et al. **Tohoku J Exp Med** 1980 Sep;132(1):117–8
Active and inactive renin after SQ 14225 (Captopril) administration. Goto T, et al. **Tohoku J Exp Med** 1980 Nov;132(3):363–4
A screening test for renovascular hypertension by means of orally active angiotensin I converting enzyme inhibitor, captopril (SQ 14225). Imai Y, et al. **Tohoku J Exp Med** 1980 Jul;131(3):311–2
The effect of captopril on heart rate in several types of hypertensive patients. Imai Y, et al. **Tokoho J Exp Med** 1981 Feb;133(2):243–4
[A new point of attack for the treatment of hypertension; captopril, an orally active inhibitor of the enzymatic conversion of angiotensin I into angiotensin II] Schalekamp MA, et al. **Ned Tijdschr Geneeskd** 1980 Nov 22; 124(47):1996–2003 **(Dut)**
[Captopril—a new effective antihypertensives] Fyhrquist F. **Duodecim** 1980;96(15):995–9 **(Fin)**
[Treatment of arterial hypertension with captopril (letter)] Fillastre JP, et al. **Nouv Presse Med** 1980 Sep 27; 9(35):2575–6 **(Fre)**
[Scleroderma complicated by arterial hypertension and kidney failure: treatment with captopril (letter)] Flechet ML, et al. **Nouv Presse Med** 1981 May 16;10(22):1848 **(Fre)**
[Sclerodermia complicated by arterial hypertension and renal insufficiency. Favorable effects of captopril (letter)] Grünfeld JP, et al. **Nouv Presse Med** 1980 Oct 4;9(36):2658 **(Fre)**
[Bartter's syndrome: effect of captopril on arterial pressure (letter)] Kohser F, et al. **Nouv Presse Med** 1981 Feb 14; 10(6):429 **(Fre)**
[Captopril in the treatment of essential hypertension (author's transl)] Lederle RM, et al. **Dtsch Med Wochenschr** 1980 Sep 19;105(38):1307–12 (Eng. Abstr.) **(Ger)**
[Progressive reversible kidney insufficiency after blood pressure reduction with captopril] Kindler J, et al. **Internist (Berlin)** 1981 Jun;22(6):360–3 **(Ger)**
[Increase of renal failure after treatment of malignant hypertension by captopril (author's transl)] Planz G, et al. **Klin Wochenschr** 1980 Sep 1;58(17):897–9 (Eng. Abstr.) **(Ger)**
[Treatment of 'therapy–resistant' forms of hypertension with captopril] Röckel A, et al. **Med Klin** 1981 Jul 17; 76(15):427–33 (Eng. Abstr.) **(Ger)**
[Successful treatment of renal hypertension in a 2 1/2–year–old girl with the converting enzyme inhibitor captopril (author's transl)] Lütkenhaus C, et al. **Monatsschr Kinderheilkd** 1980 Nov;128(11):724–6 (Eng. Abstr.) **(Ger)**
[The vasoactive effects of captopril (SQ 14225). Preliminary research] Frisina N, et al. **Boll Soc Ital Biol Sper** 1981 Feb 15;57(3):290–6 (Eng. Abstr.) **(Ita)**
[Use of SQ 14225 in the treatment of essential arterial hypertension] Degli Esposti E, et al. **Clin Ter** 1981 Apr 30;97(2):153–63 **(Ita)**
[Medical or surgical treatment in renovascular hypertension after renal transplantation?] Bonomini V, et al. **Minerva Nefrol** 1980 Oct–Dec;27(4):665–8 (Eng. Abstr.) **(Ita)**
[An experimental study on the effects of the chronic

administration of an angiotensin converting enzyme inhibitor (captopril) on blood pressure and the renin-angiotensin-aldosterone system (author's transl)] Goto A. **Nippon Naibunpi Gakkai Zasshi** 1980 Jun 20; 56(6):868–83 (Eng. Abstr.) **(Jpn)**

[The long term effects of the oral converting enzyme inhibitor, captopril in hypertensive patients—the endocrinological study of its hypotensive mechanism (author's transl)] Ogihara T, et al. **Nippon Naibunpi Gakkai Zasshi** 1980 Oct 20;56(10):1484–96 (Eng. Abstr.) **(Jpn)**

[Clinical study on the hypotensive effect of captopril in hypertensive patients–its mechanism (author's transl)] Maruyama A, et al. **Nippon Naika Gakkai Zasshi** 1980 May; 69(5):541–7 (Eng. Abstr.) **(Jpn)**

[Effects of angiotensin I converting enzyme inhibitor (captopril) on blood pressure, pulse rate, plasma renin activity, and plasma aldosterone concentration in patients with essential hypertension and normal subjects] Seto S, et al. **Nippon Naika Gakkai Zasshi** 1980 Nov;69(11):1439–46 **(Jpn)**

[Remarkable hypotensive effect of converting enzyme inhibitor on a possible case of renin producing neoplasm] Sawamura A, et al. **Nippon Rinsho** 1981 Mar;39(3):689–93 **(Jpn)**

[Captopril–a new principle in the treatment of hypertension] Forslund T, et al. **Tidsskr Nor Laegeforen** 1981 Aug; 101(23):1290–2 (Eng. Abstr.) **(Nor)**

[Treatment of severe arterial hypertension with captopril] Kohlmann Junior O, et al. **AMB** 1980 Jul;26(7):223–5 (Eng. Abstr.) **(Por)**

[Treatment of mild and moderate essential arterial hypertension with captopril] Marson O, et al. **AMB** 1980 Jun;26(6):187–90 (Eng. Abstr.) **(Por)**

[Captopril in the clinical treatment of renovascular hypertension] Ribeiro AB, et al. **AMB** 1980 May; 26(5):153–6 (Eng. Abstr.) **(Por)**

ANALYSIS

New proline-rich proteins in isolated insect Z-discs. Sainsbury GM, et al. **Biochem J** 1980 Nov 1;191(2):333–9

Automated triple assay for proline, hydroxyproline and hydroxylysine on one single sample. Blumenkrantz N. **Clin Biochem** 1980 Aug;13(4):177–83

Primary structure of the active tryptic fragments of human and monkey salivary anionic proline-rich proteins. Schlesinger DH, et al. **Int J Pept Protein Res** 1981 Jan; 17(1):34–41

[Carbon 13 nuclear magnetic resonance conformation studies of peptides with analgesic activity] Smolders RR, et al. **Can J Biochem** 1980 Nov;58(11):1241–6 (Eng. Abstr.) **(Fre)**

BIOSYNTHESIS

Proline synthesis from glutamate in the mitochondria isolated from a blowfly, Aldrichina grahami. Wadano A. **Experientia** 1980 Sep 15;36(9):1028–9

The gene-enzyme relationships of proline biosynthesis in Escherichia coli. Hayzer DJ, et al. **J Gen Microbiol** 1980 Jun;118(2):287–93

Regulation of proline biosynthesis: the inhibition of pyrroline-5-carboxylate synthase activity by ornithine. Lodato RF, et al. **Metabolism** 1981 Sep;30(9):908–13

Proline over-production results in enhanced osmotolerance in Salmonella typhimurium. Csonka LN. **MGG** 1981; 182(1):82–6

Proline biosynthesis by Fasciola hepatica at different developmental stages in vivo and vitro. Campbell AJ, et al. **Mol Biochem Parasitol** 1981 Jun;3(2):91–101

BLOOD

Relationship between blood lactic acid and serum proline in alcoholic liver cirrhosis. Kershenobich D, et al. **Gastroenterology** 1981 May;80(5 pt 1):1012–5

Maternal hyperprolinaemia [letter] Whelan DT, et al. **Lancet** 1980 Nov 1;2(8201):981–2

Unstable hemoglobin beta 32 (B 14) Leu leads to Pro, a new case discovered in Kobe. Nakayama S, et al. **Nippon Ketsueki Gakkai Zasshi** 1980 Feb;43(1):99–105

DIAGNOSTIC USE

[The significance of serum proline iminopeptidase in the early diagnosis of renal osteodystrophy] D'Amore M, et al. **Minerva Nefrol** 1980 Apr–Jun;27(2):263–6 (Eng. Abstr.) **(Ita)**

GENETICS

Genetic and biochemical requirements for chemotaxis to L-proline in Escherichia coli. Clancy M, et al. **J Bacteriol** 1981 Jun;146(3):902–6

Genetics of L-proline utilization in Escherichia coli. Wood JM. **J Bacteriol** 1981 Jun;146(3):895–901

Suppressible four-base glycine and proline codons in yeast. Donahue TF, et al. **Science** 1981 Apr 24;212(4493):455–7

ISOLATION & PURIFICATION

A new rapid method for quantitating radioactive proline, 4-hydroxyproline, and 3-hydroxyproline. Tseng SC, et al. **Anal Biochem** 1980 Mar 1;102(2):291–9

METABOLISM

New method for determining the extent of proline hydroxylation by measuring changes in the ratio of [4-3H]:[14C]proline in collagenase digests. Chojkier M, et al. **Anal Biochem** 1980 Nov 1;108(2):385–93

The behavior of substances labeled with 3H-proline and 3H-fucose in the cellular processes of odontoblasts and ameloblasts. Warshawsky H, et al. **Anat Rec** 1981 May; 200(1):1–10

The role of proline in osmoregulation in Salmonella typhimurium and Escherichia coli. Csonka LN. **Basic Life Sci** 1981;18:533–42

The direct conversion of hydroxyproline to proline. Varner JE. **Biochem Biophys Res Commun** 1980 Sep 30;96(2):692–6

Measurement of the rates of protein synthesis in rabbits. A method for the estimation of rates of change in the specific radioactivities of free amino acids during continuous infusions. Lobley GE, et al. **Biochem J** 1980 Nov 15; 192(2):623–9

Na+-gradient-dependent transport of L-proline and analysis of its carrier system in brush-border membrane vesicles of the guinea-pig ileum. Hayashi K, et al. **Biochim Biophys Acta** 1980 Oct 2;601(3):654–63

Hb Toyoake: beta 142 (H20) Ala replaced by Pro. A new unstable hemoglobin with high oxygen affinity. Hirano M, et al. **Blood** 1981 Apr;57(4):697–704

Radioautographic evidence for both orthograde and retrograde axonal transport of labeled compounds after intraocular injection of [3H]proline in the lamprey (Lampetra fluviatilis). Repérant J, et al. **Brain Res** 1980 Oct 27;200(1):179–83

Amplification of the put genes and identification of the put gene products in Escherichia coli K12. Wood JM, et al. **Can J Biochem** 1980 Oct;58(10):787–96

Factors affecting the adsorption of salivary acidic proline-rich proteins to hydroxyapatite. Bennick A, et al. **Caries Res** 1981;15(1):9–20

Evaluation of the effects of sensory denervation on osteoblasts by 3H-proline autoradiography. Chiego DJ Jr, et al. **Cell Tissue Res** 1981;217(3):569–76

Autoradiographic assessment of 3H-proline uptake by osteoblasts following guanethidine-induced sympathectomy in the rat. Singh IJ, et al. **Cell Tissue Res** 1981;216(1):215–20

Axoplasmic flow of tritiated proline in the corticospinal tract of the rat. Vahlsing HL, et al. **Cell Tissue Res** 1981; 214(2):279–87

Proline and thymidine uptake in rabbit ear artery segments in vitro increased by chronic tangential load. Hume WR. **Hypertension** 1980 Nov-Dec;2(6):738–43

Proline: an essential intermediate in arginine degradation in Saccharomyces cerevisiae. Brandriss MC, et al. **J Bacteriol** 1980 Sep;143(3):1403–10

Subcellular compartmentation in control of converging pathways for proline and arginine metabolism in Saccharomyces cerevisiae. Brandriss MC, et al. **J Bacteriol** 1981 Mar;145(3):1359–64

The role of glutamate transport in the regulation of the pathway of proline oxidation in rat liver mitochondria. Hoek JB, et al. **J Biol Chem** 1980 Sep 25;255(18):8711–8

Inhibition of growth of proline-requiring Chinese hamster ovary cells (CHO-k1) resulting from antagonism by a system amino acids. Curriden S, et al. **J Cell Physiol** 1981 Feb;106(2):245–52

Influence of proliferative rates and A system substrate availability on proline transport in primary cell cultures of the R3230AC mammary tumor. Gay RJ, et al. **J Cell Physiol** 1980 Nov;105(2):287–300

Prolidase activity during healing of skin burns in rats. Umemura S, et al. **J Dermatol (Tokyo)** 1980 Jun;7(3):217–9

The intercellular proline cycle. Phang JM, et al. **Life Sci** 1981 Jan 5;28(1):53–8

Transneuronal transport of tritiated fucose and proline in the visual pathways of the brushtailed possum, Trichosurus vulpecula. Sanderson KJ, et al. **Neurosci Lett** 1980 Dec; 20(3):243–8

Molecular specificity of tubular reabsorption of L-proline. A microperfusion study in rat kidney. Völkl H, et al. **Pfluegers Arch** 1980 Sep;387(3):253–9

[Autoradiography of transneural substance transport in the entorhino-hippocampal system after [3H] proline injection into the entorhinal cortex in rat (author's transl)] Fröhlich J. **Acta Histochem (Jena)** 1980;67(1):47–53 (Eng. Abstr.) **(Ger)**

[Proline-specific endopeptidase (author's transl)] Tadashi Y, et al. **Tanpakushitsu Kakusan Koso** 1980;25(6):513–23 (36 ref.) **(Jpn)**

PHARMACODYNAMICS

L-proline as a glutamate antagonist at a crustacean neuromuscular junction. Van Harreveld A. **J Neurobiol** 1980 Nov;11(6):519–29

Bile duct enlargement by infusion of L-proline: potential significance in biliary atresia. Vacanti JP, et al. **J Pediatr Surg** 1979 Dec;14(6):814–8

The dual effect of L-proline on spreading depression in the chicken retina. Van Harreveld A, et al. **Neurosci Lett** 1981 May 29;23(3):329–32

Amino acid-evoked membrane potential and resistance changes in pancreatic acinar cells. Iwatsuki N, et al. **Pfluegers Arch** 1980 Jul;386(2):153–9

Effect of proline on synthesis of collagen by cells in culture. Baich A, et al. **Physiol Chem Phys** 1980;12(1):63–7

Influence of extracellular proline on collagen synthesis in rat liver slices. Työppönen J, et al. **Scand J Gastroenterol** 1980;15(3):373–6

PHYSIOLOGY

Proline and protein procrastination [news] Pain RH. **Nature** 1981 Mar 19;290(5803):187–8

PROLINE HYDROXYLASE

ANTAGONISTS & INHIBITORS

Inhibition of lysyl oxidase and prolyl hydroxylase activity in glucocorticoid treated rats. Benson SC, et al. **Biochem Biophys Res Commun** 1981 Mar 31;99(2):557–62

Effect of propranolol on prolyl hydroxylase activity in blood vessels of rats. Iwatsuki K. **Biochem Pharmacol** 1980 Nov 15;29(22):3093–6

Evidence for the presence of an endogenous inhibition of prolyl hydroxylase. Chichester CO, et al. **Res Commun Chem Pathol Pharmacol** 1980 Aug; 29(2):329–38

Inhibition of prolyl hydroxylase activity in the aorta of rats by propranolol in vitro. Iwatsuki K. **Tohoku J Exp Med** 1980 Nov;132(3):365–6

BIOSYNTHESIS

The assembly of tetrameric prolyl hydroxylase in tendon fibroblasts from newly synthesized alpha-subunits and from preformed cross-reacting protein. Berg RA, et al. **Biochem J** 1980 Sep 1;189(3):491–9

In vitro synthesis of collagen prolyl hydroxylase. The newly synthesized enzyme contains two newly synthesized subunits of the alpha and beta size. Rokowski R, et al. **J Biol Chem** 1981 Feb 10;256(3):1340–5

BLOOD

Serum immunoreactive prolyl hydroxylase in inflammatory rheumatic diseases. Kuutti-Savolainen ER, et al. **Ann Rheum Dis** 1980 Jun;39(3):217–21

ISOLATION & PURIFICATION

Properties of prolyl 4-hydroxylase containing firmly-bound iron. Nietfeld JJ, et al. **Biochim Biophys Acta** 1980 Jun 13;613(2):349–58

METABOLISM

An intramembranous reductant which participates in the proline hydroxylation reaction with intracisternal prolyl hydroxylase and unhydroxylated procollagen in isolated microsomes from L-929 cells. Mata JM, et al. **Arch Biochem Biophys** 1981 Jan;206(1):93–104

Changes in prolyl hydroxylase activity during the development of the bovine dental pulp. Hayakawa T, et al. **Arch Oral Biol** 1978;23(9):831–3

Differences between proline and lysine hydroxylations in their inhibition by zinc or by ascorbate deficiency during collagen synthesis in various cell types. Anttinen H, et al. **Biochim Biophys Acta** 1981 May 18;674(3):336–44

Collagen biosynthesis by human skin fibroblasts. III. The effects of ascorbic acid on procollagen production and prolyl hydroxylase activity. Booth BA, et al. **Biochim Biophys Acta** 1981 Jun 11;675(1):117–22

The function of ascorbate with respect to prolyl 4-hydroxylase activity. Nietfeld JJ, et al. **Biochim Biophys Acta** 1981 Jan 15;657(1):159–67

A new prolyl hydroxylase acting on poly-L-proline, from suspension cultured cells of Vinca rosea. Tanaka M, et al. **Biochim Biophys Acta** 1980 Dec 4;616(2):188–98

The collagen prolyl hydroxylase activity of hepatocytes and mesenchymal cells isolated from normal and regenerating rat liver. Patrick RS, et al. **Diagn Histopathol** 1981 Jan-Mar;4(1):95–8

Prolyl hydroxylase activity during sea urchin development. Benson SC, et al. **Exp Cell Res** 1980 Dec;130(2):467–70

Hepatic prolyl hydroxylase activity in human liver disease. McPhie JL. **Hepatogastroenterology** 1980 Aug;27(4):277–82

Collagen prolyl hydroxylase activation in dermal cell primary cultures. Counts DF, et al. **Int J Biochem** 1980;12(3):401–5

Prolyl and lysyl hydroxylase activities of human skin fibroblasts: effect of donor age and ascorbate. Murad S, et al. **J Invest Dermatol** 1980 Nov;75(5):404–7

Regulation of collagen synthesis by ascorbic acid. Murad S, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):2879–82

PROLINE OXIDASE see under **AMINE OXIDOREDUCTASES**

PROLINE,2-OXOGLUTARATE DIOXYGENASE see **PROLINE HYDROXYLASE**

PROLONGED-ACTION PREPARATIONS see **DELAYED-ACTION PREPARATIONS**

PROLYL T RNA SYNTHETASE see under **AMINO ACYL T RNA SYNTHETASES**

PROMAZINE

DIAGNOSTIC USE

[Experiences in sleep induction with sinophenin in children (a contribution to the differential diagnosis of cerebral seizure disorders)] Walter L.
Psychiatr Neurol Med Psychol (Leipz) 1980 Aug; 32(8):496–502 (Eng. Abstr.) **(Ger)**

METABOLISM

A comparison of the in vivo metabolism of phenothiazine and promazine in the neonatal guinea pig. Mitchell SC, et al. **Biol Neonate** 1981;39(5–6):285–9

The metabolism of promazine and acetylpromazine in the horse. Dewey EA, et al. **Drug Metab Dispos** 1981 Jan–Feb; 9(1):30–6

[Biotransformation of promazine] Bornschein I, et al.
Pharmazie 1980;35(7):441 **(Ger)**

PHARMACODYNAMICS

Antibiotic cross–resistance patterns of ambodryl and promazine resistant mutants. Ray S, et al.
Br J Exp Pathol 1980 Oct;61(5):465–70

PROMEDOL see under **MEPERIDINE**

PROMETHAZINE

ADMINISTRATION & DOSAGE

The effect of dexamethasone and promethazine administration on adhesion formation, tubal function, and ultrastructure following microsurgical anastomosis of rabbit oviducts. Pfeffer WH, et al. **Fertil Steril** 1980 Aug; 34(2):162–8

[Comparative characteristics of several types of premedication] Grishin BS. **Farmakol Toksikol** 1981 Jan–Feb;44(1):52–5 (Eng. Abstr.) **(Rus)**

ANALOGS & DERIVATIVES

[Effects of 9,9–dioxopromethazine (Prothanon) and trapidil (Rocornal) on UDP–glucuronyltransferase activity] Borchert HH, et al. **Pharmazie** 1980;35(7):440 **(Ger)**

ANALYSIS

Determination of promethazine and other phenothiazine compounds by liquid chromatography wih electrochemical detection. Wallace JE, et al. **Anal Chem** 1981 Jun; 53(7):960–2

BLOOD

Determination of promethazine in serum by liquid chromatography. Wallace JE, et al. **Clin Chem** 1981 Feb; 27(2):253–5

METABOLISM

Human whole blood and parotid saliva concentrations of oral and intramuscular promethazine. DiGregorio GJ, et al.
J Pharm Sci 1980 Dec;69(12):1457–9

[Further sulfone metabolites of promethazine (Prothazin)] Bornschein I, et al. **Pharmazie** 1980;35(10):648–9 **(Ger)**

PHARMACODYNAMICS

Inhibitory effects of different barbiturates on lipid peroxidation in brain tissue in vitro: comparison with the effects of promethazine and chlorpromazine. Smith DS, et al. **Anesthesiology** 1980 Sep;53(3):186–94

Interactions of carbon tetrachloride and promethazine in the rat—I. Effects of promethazine on the concentrations of carbon tetrachloride in blood and liver, and on the production of chloroform. Reddrop CJ, et al.
Biochem Pharmacol 1981 Jun 15;30(12):1443–7

Interactions of carbon tetrachloride and promethazine in the rat—II. Elimination of carbon tetrachloride and chloroform in expired air as indications of their metabolism in the intact animal. Reddrop CJ, et al. **Biochem Pharmacol** 1981 Jun 15;30(12):1449–55

A comparative study of the interaction of chlorpromazine, trifluoperazine, and promethazine with mouse brain tubulin. Rao AG, et al. **Mol Pharmacol** 1981 Mar;19(2):295–301

Promethazine administration to rats and CCl4 induced lipid peroxidation of liver microsomal lipids. de Toranzo EG, et al. **Res Commun Chem Pathol Pharmacol** 1980 Oct; 30(1):91–8

[EEG–effects of pethidine–promethazine. Study on 16 patients (author's transl)] Pichlmayr I, et al.
Anaesthesist 1980 May;29(5):254–60 (Eng. Abstr.) **(Ger)**

[Study of compounds with potential antiparasitic effect. V. Antihistaminics] Kadłubowski R, et al. **Wiad Parazytol** 1980;26(1):59–64 (Eng. Abstr.) **(Pol)**

[Effects of dipidolor, seduxen, pipolfen and their combinations on the vasomotor reflex and respiration] Grishin BS. **Farmakol Toksikol** 1980 Nov–Dec;43(6):661–4 (Eng. Abstr.) **(Rus)**

[Protection of myocardial mitochondria from penetration by calcium ions using isoquinoline and phenothiazine derivatives] Urakov AL, et al. **Farmakol Toksikol** 1981 Jan–Feb;44(1):60–2 (Eng. Abstr.) **(Rus)**

POISONING

Promethazine–induced acute dystonic reactions. Darwish H, et al. **Am J Dis Child** 1980 Oct;134(10):990–1

THERAPEUTIC USE

Drug treatment of breathlessness: contrasting effects of diazepam and promethazine in pink puffers. Woodcock AA, et al. **Br Med J [Clin Res]** 1981 Aug 1;283(6287):343–6

Carbon tetrachloride toxicity: failure of promethazine to prevent in vivo liver injury. Nayak NC, et al.
Indian J Med Res 1980 Oct;72:546–53

Antihistamines in bronchial asthma [letter] Herxheimer HG. **Lancet** 1981 Aug 29;2(8244):469

[Reducing of unwanted side effects of modified fluid gelatin by promethazine: controlled clinical trial with orthopaedic patints (author's transl)] Schöning B, et al. **Anaesthesist** 1981 Jan;30(1):34–43 (Eng. Abstr.) **(Ger)**

PROMETHOLONE see **DROMOSTANOLONE**

PROMETRYNE see under **HERBICIDES, TRIAZINE**

PROMIN see under **SULFONES**

PROMOTION OF HEALTH see **HEALTH PROMOTION**

PROMOTOR (GENETICS) see **OPERON**

PRONASE

The use of pronase enhances sensitivity of the PAP method in the detection of intracytoplasmic immunoglobulins. Pileri S, et al. **Basic Appl Histochem** 1980;24(3):203–7

Protease digestion of colonic mucin. Evidence for the existence of two immunochemically distinct mucins. Gold DV, et al. **J Biol Chem** 1981 Jun 25;256(12):6354–8

ANTAGONISTS & INHIBITORS

Crystal structure studies and inhibition kinetics of tripeptide chloromethyl ketone inhibitors with Streptomyces griseus protease B. James MN, et al. **J Mol Biol** 1980 May 25; 139(3):423–38

PHARMACODYNAMICS

The action of proteolytic enzymes on human muscle pyruvate kinase. Baranowska B, et al. **Bull Acad Pol Sci [Biol]** 1979; 27(11):889–93

Effects of pronase on the development of reversed symmetry and duplications in the sea urchin, Arbacia punctulata. Marcus NH. **Dev Biol** 1981 Apr 30;83(2):387–90

Urea treatment and pronase digestion of antitumor protein antibiotics, auromomycin and neocarzinostatin. Suzuki H, et al. **J Antibiot (Tokyo)** 1980 Dec;33(12):1545–50

Exposure of fibrinogen receptor on human platelets by proteolytic enzymes. Niewiarowski S, et al.
J Biol Chem 1981 Jan 25;256(2):917–25

Effect of proteolytic enzymes on Pneumocystis carinii in rat lung tissue. Stahr BJ, et al. **J Parasitol** 1981 Apr; 67(2):196–202

[Surface immunoglobulins (SmIg) in human B–lymphocytes: effect of enzymatic digestion] Mariani E, et al.
Boll Soc Ital Biol Sper 1979 Mar 15;55(5):411–6 (Eng. Abstr.) **(Ita)**

PROPANE

ANALOGS & DERIVATIVES

Health hazard alert—2–Nitropropane.
Am Ind Hyg Assoc J 1980 Dec;41(12):A18–24

Respiratory pathology in rats and mice after inhalation of 1,2–dibromo–3–chloropropane or 1,2 dibromoethane for 13 weeks. Reznik G, et al. **Arch Toxicol** 1980 Dec; 46(3–4):233–40

Inhibition of the biosynthesis of rat testicular heme by 1,2–dibromo–3–chloropropane. Tofilon PJ, et al.
Biochem Pharmacol 1980 Oct 1;29(19):2563–6

Morphology of nasal–cavity tumours in rats after chronic inhalation of 1,2–dibromo–3–chloropropane. Reznik G, et al. **Br J Cancer** 1980 Nov;42(5):772–81

Lung tumors induced by chronic inhalation of 1,2–dibromo–3–chloropropane in B6C3F1 mice. Reznik G, et al. **Cancer Lett** 1980 Oct;10(4):339–42

Chronic inhalation exposure of rats to vapors of 2–nitropropane at 25 ppm. Griffin TB, et al.
Ecotoxicol Environ Safety 1980 Sep;4(3):267–81

Histologic study of tissues and organs from rats exposed to vapors of 2–nitropropane at 25 ppm. Griffin TB, et al.
Ecotoxicol Environ Safety 1981 Jun;5(2):194–201

Recovery from severe oligospermia after exposure to dibromochloropropane. Lantz GD, et al. **Fertil Steril** 1981 Jan;35(1):46–53

Morphology and sex–dependent manifestation of nasal tumors in B6C3F1 mice after chronic inhalation of 1,2–dibromo–3–chloropropane. Reznik G, et al.
J Cancer Res Clin Oncol 1980;98(1):75–83

Development and application of methodology for determining 1,2–dibromo–3–chloropropane (DBCP) in ambient air. Mann JB, et al. **J Environ Sci Health [B]** 1980; 15(5):519–28

Dibromochloropropane and its effect on testicular function in man. Lipshultz LI, et al. **J Urol** 1980 Oct;124(4):464–8

DBCP and testicular effects in chemical workers: an epidemiological survey in Midland, Michigan. Egnatz DG, et al. **JOM** 1980 Nov;22(11):727–32

The renal toxicity of some halogenated derivatives of propane in the rat. Jones AR, et al.
Naturwissenschaften 1981 Feb;68(2):98–9

Dibromochloropropane (DBCP): a review. Babich H, et al. **Sci Total Environ** 1981 Mar;17(3):207–21 (61 ref.)

Acute toxicity of 1,2–dibromo–3–chloropropane in the F344 male rat. I. Dose—response relationships and differences in routes of exposure. Kluwe WM.
Toxicol Appl Pharmacol 1981 Jun 15;59(1):71–83

Acute toxicity of 1,2–dibromo–3–chloropropane in the F344 male rat. II. Development and repair of the renal, epididymal, testicular, and hepatic lesions. Kluwe WM.
Toxicol Appl Pharmacol 1981 Jun 15;59(1):84–95

Induction of aryl hydrocarbon hydroxylase and epoxide hydrolase in rat liver, kidney, testis, prostate glands, and stomach by a potent nematocide, 1,2–dibromo–3–chloropropane. Suzuki K, et al.
Toxicol Appl Pharmacol 1981 Mar 30;58(1):151–5

Metabolism of 1,3–dibromopropane. James SP, et al.
Toxicol Lett 1981 Apr;8(1–2):7–15

1,2–Dichloropropane: metabolism and fate in the rat. Jones AR, et al. **Xenobiotica** 1980 Nov;10(11):835–46

ANALYSIS

[Experimental poisoning due to gaseous hydrocarbons: changes of the concentration of propane and butane in the lung and adipose tissue as a functon of the time of death] Gagliano Candela R, et al. **Boll Soc Ital Biol Sper** 1979 Jan 15;55(1):38–41 (Eng. Abstr.) **(Ita)**

POISONING

[Propane–butane gas embolism following self–inflicted heart stab wound] Balogh I, et al.
Morphol Igazsagugyi Orv Sz 1980 Jan;20(1):45–8 **(Hun)**

PROPANEDIOL DEHYDRATASE see under **HYDRO–LYASES**

PROPANEDIOLS

ADVERSE EFFECTS

Guinea pig maximization test, open epicutaneous test and chamber test in induction of delayed contact hypersensitivity. Kero M, et al. **Contact Dermatitis** 1980 Aug;6(5):341–4

Contact dermatitis caused by ECG electrode paste. Cochran RJ, et al. **South Med J** 1980 Dec;73(12):1667–8

[Skin reactions caused by propylene glycol] Andersen KE.
Ugeskr Laeger 1980 Sep 15;142(38):2478–80 (Eng. Abstr.) **(Dan)**

ANALYSIS

[Separation of halothane and enflurane from propylene glycol solutions] Azzollini CV, et al. **Minerva Anestesiol** 1981 Mar; 47(3):87–94 **(Ita)**

METABOLISM

The biotransformation and disposition of bronopol following topical and intravenous administration to rats. Buttar HS, et al. **Toxicol Lett** 1980 Jul;6(2):101–7

PHARMACODYNAMICS

Acute and chronic propylene glycol dinitrate exposure in the monkey. Mattsson JL, et al.
Aviat Space Environ Med 1981 Jun;52(6):340–5

The prolonged effect of pentaerythritol tetranitrate on exercise capacity in stable effort angina pectoris. Giles TD, et al. **Chest** 1981 Aug;80(2):142–5

Biological potency and uterine estrogen receptor interactions of the metabolites of the antiestrogens CI628 and U23,469. Hayes JR, et al. **Endocrinology** 1981 Jan;108(1):164–72

Intramuscular injections of 1,2–propanediol can stimulate rumen papillar development of milk–fed kids. Hamada T, et al. **Experientia** 1981 Jun;37(6):579–80

Induced synthesis of phosphatases in Anacystis nidulans by p–NO2–phenylserinal. Muñoz–Calvo ML, et al.
J Antibiot (Tokyo) 1980 May;33(5):520–2

Antimycotic activity of propane–1,2–diol (propylene glycol). Faergemann J, et al. **Sabouraudia** 1980 Sep;18(3):163–6

[Study of the disinfectant action of a mixture of chlorhexidine and bronopol] Woźniak–Parnowska W, et al.
Acta Pol Pharm 1980;37(4):473–9 (Eng. Abstr.) **(Pol)**

[Study of compounds with potential antiparasitic effect. IV. Propylene glycol] Kadłubowski R, et al.
Wiad Parazytol 1980;26(1):57 (Eng. Abstr.) **(Pol)**

POISONING

Propylene glycol intoxication and lactic acidosis [letter] Cate JC 4th, et al. **N Engl J Med** 1980 Nov 20;303(21):1237

THERAPEUTIC USE

Hemoperfusion for detoxification of mercury. A model:treatment of severe mercury poisoning by encapsulated chelating spheres, Part I. Margel S, et al.

Biomater Med Devices Artif Organs 1981;9(2):107-25

Antitumor activities and estrogen receptor interactions of the metabolites of the antiestrogens C1628 and U23,469 in the 7,12-dimethylbenz(a)anthracene-induced rat mammary tumor system. Rorke EA, et al. **Cancer Res** 1981 Apr;41(4):1257-62

Anti-inflammatory activity of propane 1,2-diol (propylene glycol) in rat. Pandse VK, et al. **Indian J Exp Biol** 1980 Aug;18(8):909-11

TOXICITY

Polypropylene glycols. **Am Ind Hyg Assoc J** 1980 Oct; 41(10):A53-5

Ototoxicity of propylene glycol in experimental animals. Morizono T, et al. **Am J Otolaryngol** 1980 Nov;1(5):393-9

2-Nitro-2-bromopropan-1,3-diol (bronopol) and UV-rays. Raab W. **Arch Dermatol Res** 1980;269(2):211-2

Toxicological assessment of heat transfer fluids proposed for use in solar energy applications, II. Marshall TC, et al. **Toxicol Appl Pharmacol** 1981 Mar 30;58(1):31-8

PROPANIDID

Potentiation of propanidid, ketamine and althesin anaesthesia by diazepam. El-Khateeb MS, et al.
J Egypt Med Assoc 1978;61(9-10):569-75

Clinical evaluation of propanidid for short-term anaesthesia. Chittora SP, et al. **J Indian Med Assoc** 1980 Aug 1; 75(3):51-5

Comparative evaluation of propanidid with thiopentone as an anaesthetic agent for electro-convulsive therapy. katre AM, et al. **J Postgrad Med** 1980 Jul;26(3):171-7

[Comparison between ketamine, propanidid, and etomidate in general anaesthesia for caesarean section (author's transl)] Schwebke R, et al. **Zentralbl Gynaekol** 1981; 103(3):146-53 (Eng. Abstr.) **(Ger)**

[Sodium, potassium and acid-base values of mother and newborn, following delivery by caesarean section under sombrevin (propanidid) anaesthesia (author's transl)] Varga J, et al. **Zentralbl Gynaekol** 1981;103(2):86-90 (Eng. Abstr.) **(Ger)**

[Propanidid and trazodone in ultrashort anesthesia] Nastri D, et al. **Minerva Anestesiol** 1980 Apr;46(4):479-84 (Eng. Abstr.) **(Ita)**

ADMINISTRATION & DOSAGE

[Comparative study of induction with propanidid plus succinylcholine and thiopental plus succinylcholine] Szegedi L, et al. **Rev Chir [Chir]** 1980 Nov-Dec; 29(6):469-72 (Eng. Abstr.) **(Rum)**

ADVERSE EFFECTS

Contact dermatitis due to propanidid in an anesthetist. Gastelain PY, et al. **Contact Dermatitis** 1980 Aug;6(5):360

[Allergic reactions in general anesthesia with sombrevin] Udachina NA, et al. **Anesteziol Reanimatol** 1980 Sep-Oct; (5):75-6 **(Rus)**

[Effect of general anesthesia with seduxen and sombrevin on the cardiac activity of dental patients] Starodubtsev VS, et al. **Stomatologiia (Mosk)** 1981 May-Jun;60(3):40-2 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

[Dynamics of focal seizure activity during induced sleep in epileptics with uni- and bitemporal foci] Nadezhdina MV. **Zh Vopr Neirokhir** 1981 Jan-Feb;(1):32-8 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of the general anaesthetic propanidid on oxidative phosphorylation and calcium transport in rt liver mitochondria. Sweetman AJ, et al. **Biochem Pharmacol** 1981 Jul 15;30(14):1921-4

[Pharmacology of injection anesthetics] Taube HD.
Intensivmed Prax 1979;(2):65-73 **(Ger)**

[Propanidid as an antagonist: competitive inhibitor of neuromuscular plaque acetylcholinesterase] Pesando OT, et al. **Minerva Anestesiol** 1980 Jun;46(6):665-70 (Eng. Abstr.) **(Ita)**

[Nature of the autonomic effects of sombrevin] Osipova NA, et al. **Vestn Akad Med Nauk SSSR** 1981;(1):76-82 (Eng. Abstr.) **(Rus)**

PROPANIL see under **ANILIDES**

PROPANOL see **ALCOHOL, PROPYL**

PROPANOLAMINES

Deamination of 2-aminopropanol by ethanolamine ammonia-lyase, an AdoCbl-requiring enzyme. Kinetics and isotope effects for the R and S enantiomers of the substrate. Graves SW, et al. **Biochemistry** 1980 Jul 22;19(15):3630-3

Retroperitoneal fibrosis associated with atenolol [letter] Rose FL, et al. **Br Med J** 1980 Sep 13;281(6242):745

Ritodrine release criticized and defended [letter] Kimelblatt BK, et al. **N Engl J Med** 1981 Feb 19;304(8):485-6

[Interaction of trimepranol and uric acid] Sulková A, et al. **Cesk Farm** 1980 Nov;29(8-9):294-5 (Eng. Abstr.) **(Cze)**

ADMINISTRATION & DOSAGE

Intravenous metoprolol for the treatment of acute supraventricular tachyarrhythmias. Stroobandt R, et al. **Acta Cardiol (Brux)** 1981;36(3):155-65

Clinical evaluation of the antihypertensive effect of metoprolol in combination with hydrochlorothiazide and hydralazine in an unselected hypertensive population. Tuomilehto J, et al. **Acta Cardiol (Brux)** 1980;35(4):289-301

Metabolic effects of intravenous ritodrine infusion in pregnancy. Schreyer P, et al.
Acta Obstet Gynecol Scand 1980;59(3):197-201

Effects of systemic and topical administration of metoprolol on intraocular pressure in healthy subjects. Alm A, et al. **Acta Ophthalmol (Copenh)** 1980 Oct;58(5):740-7

Timolol versus pilocarpine separately or combined with acetazolamide-effects on intraocular pressure.
Calissendorff B, et al. **Acta Ophthalmol (Copenh)** 1980 Aug; 58(4):624-31

The ocular responses of oral administration of penbutolol in the glaucomatous patient. Krieglstein GK, et al.
Acta Ophthalmol (Copenh) 1980 Aug;58(4):608-16

Antihypertensive effect of oral timolol maleate and hydrochlorothiazide once daily compared with hydrochlorothiazide once daily. Durley Y, et al.
Am J Hosp Pharm 1981 Aug;38(8):1161-4

Effects of timolol and Daranide on elevated intraocular pressure after aphakic keratoplasty. Olson RJ, et al.
Ann Ophthalmol 1979 Dec;11(12):1833-6

Evaluation of timolol in chronic open-angle glaucoma. Once a day vs twice a day. Soll DB. **Arch Ophthalmol** 1980 Dec; 98(12):2178-81

Ritodrine in the treatment of preterm labour. A clinical trial to compare a standard treatment with three regimens involving the use of ritodrine. Larsen JF, et al.
Br J Obstet Gynaecol 1980 Nov;87(11):949-57

Emergency treatment of high blood pressure with oral atenolol. Bannan LT, et al. **Br Med J [Clin Res]** 1981 May 30;282(6278):1757-8

Assessment of bronchial beta blockade after oral bevantolol. Macka- AD, et al. **Clin Pharmacol Ther** 1981 Jan;29(1):1-6

Plasma levels and pharmacological effects of metoprolol administered as controlled release (Durules) and ordinary tablets in healthy volunteers. Johnsson G, et al.
Int J Clin Pharmacol Ther Toxicol 1980 Jul;18(7):292-7

Metoprolol and atropine in acute myocardial infarction. Boyle DM, et al. **Ir Med J** 1980 Dec;73(12):477-8

Total body and serum potassium during treatment with atenolol in combination with chlorthalidone. Gotzen R, et al. **J Int Med Res** 1981;9(4):292-4

Timolol maleate and hydrochlorothiazide in control of essential hypertension: use of a fixed combination for once-a-day administration. Schwartz FN, et al. **JAOA** 1981 May;80(9):590-4

Atenolol, heparin and the intermediate coronary syndrome [letter] **Lancet** 1981 Jul 4;2(8236):46

Comparison of single-dose and twice-daily timolol therapy in mild hypertension [letter] Bullen MU, et al.
Med J Aust 1980 Nov 1;2(9):514-5

Evaluation of the antihypertensive effect of atenolol in fixed or free combination with chlorthalidone. Nissinen A, et al. **Pharmatherapeutica** 1980;2(7):462-8

Once-daily atenolol in hypertensive Zimbabwean blacks. A double-blind trial using two different doses. Abson CP, et al. **S Afr Med J** 1981 Jul 11;60(2):47-8

[Electrocardiogram changes in pregnant women during tocolysis with the beta-adrenomimetics, Partusisten and Pre-Par] Ivanov S, et al. **Akush Ginekol (Sofiia)** 1980; 19(5-6):423-7 **(Bul)**

[Thermodiagnostic assessment of the trimepranol - prazosin combination in arterial hypertension (author's transl)] Kadeřávek F. **Cas Lek Cesk** 1981 Jan 22;120(2):47-51 (Eng. Abstr.) **(Cze)**

[Minipress in the treatment of hypertension in combination with trimepranol made by Spofa. Results of a clinical study] Vambera M. **Vnitr Lek** 1980 Aug;26(8):792-5 (Eng. Abstr.) **(Cze)**

[Monotherapy of hypertension with a beta-blocker in a single daily dose (author's transl)] Gilgenkrantz JM, et al.
Sem Hop Paris 1981 May 18-25;57(19-20):985-7 (Eng. Abstr.) **(Fre)**

[Combined treatment with indomethacin and ritodrine in the prevention of premature labor] Allocca G, et al.
Arch Ostet Ginecol 1979 Mar-Jul;84(3-4):117-24 (Eng. Abstr.) **(Ita)**

[Evaluation of the combination of atenolol and indapamide in the therapy of arterial hypertension (with data concerning toxicity and tolerance in the experimental animal)] Anania V, et al. **Clin Ter** 1981 Jul 15;98(1):11-23 (Eng. Abstr.) **(Ita)**

[Electron microscopic observations of the ciliary epithelium of rabbit after chronic topical administration of 1% bupranolol (author's transl)] Araki M, et al.
Nippon Ganka Gakkai Zasshi 1980 Oct 10;84(10):1731-7 (Eng. Abstr.) **(Jpn)**

[Scanning electron microscopic studies on the cornea of rabbit after chronic topical administration of 1% bupranolol (author's transl)] Araki M, et al.
Nippon Ganka Gakkai Zasshi 1980 Sep 10;84(9):1376-84 (Eng. Abstr.) **(Jpn)**

[Effect of topical bupranolol on glaucoma eyes (author's transl)] Miki H, et al. **Nippon Ganka Gakkai Zasshi** 1981 Feb;85(2):169-74 (Eng. Abstr.) **(Jpn)**

[Timoptic. Timolol maleate, MSD (author's transl)] Halatek R, et al. **Klin Oczna** 1980 Aug;82(8):399-400 (Eng. Abstr.) **(Pol)**

[Timolol in simple glaucoma: action after one instillation of the drug (author's transl)] Wolter-Czerwińska H, et al.
Klin Oczna 1980 Apr;82(4):217-8 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Maternal pulmonary edema occurring after therapy with ritodrine for premature uterine contractions. Abramovici H, et al. **Acta Obstet Gynecol Scand** 1980;59(6):555

Pulmonary edema after ritodrine infusion for premature labor in a patient with mitral valve disease. Reichman J, et al.
Acta Obstet Gynecol Scand 1981;60(1):87-8

Timolol-induced bronchospasm [letter] Fraenkel M.
Am Fam Physician 1981 Sep;24(3):29

Additional information on adverse reactions to timolol [letter] Berstein LP, et al. **Am J Ophthalmol** 1981 Aug;92(2):295-6

Bronchospasm precipitated by ophthalmic instillations of timolol. Lockey SD Sr. **Ann Allergy** 1981 May;46(5):267

Case report: exacerbation of asthma by timolol. Noyes JH, et al. **Ann Allergy** 1980 Nov;45(5):301

Hypoglycemia-induced hypertension in a diabetic patient on metoprolol. Shepherd AM, et al. **Ann Intern Med** 1981 Mar; 94(3):357-8

Potential side effects of timolol therapy in the treatment of glaucoma. Zimmerman TJ, et al. **Ann Ophthalmol** 1981 Jun; 13(6):683-9 (54 ref.)

Effects of timolol on bovine corneal endothelial cultures. Staatz WD, et al. **Arch Ophthalmol** 1981 Apr;99(4):660-3

Timolol and glaucoma [letter] Van Buskirk EM, et al.
Arch Ophthalmol 1981 Apr;99(4):696

Retroperitoneal fibrosis associated with atenolol [letter] Bullimore DW. **Br Med J** 1980 Jul 5;281(6232):59-60

Retroperitoneal fibrosis associated with atenolol [letter] Bullimore DW. **Br Med J** 1980 Aug 23;281(6239):564

Adverse reactions to drugs [letter] Coope J.
Br Med J [Clin Res] 1981 May 2;282(6274):1471

Thyrotoxic crisis masked by treatment with beta-blockers. Jones DK, et al. **Br Med J [Clin Res]** 1981 Sep 5; 283(6292):659

Near-fatal bronchospasm after oral nadolol in a young asthmatic and response to ventilation with halothane. Raine JM, et al. **Br Med J [Clin Res]** 1981 Feb 14;282(6263):548-9

Topical timolol therapy and cardiopulmonary function. Burggraf GW, et al. **Can J Ophthalmol** 1980 Oct; 15(4):159-60

Pulmonary oedema following treatment with ritodrine and betamethasone in preterm labour. Niebuhr-Jørgensen U. **Dan Med Bull** 1980 Apr;27(2):99-100

Adverse reactions of the skin to metoprolol and other beta-adrenoreceptor-blocking agents. Neumann HA, et al.
Dermatologica 1981;162(5):330-5

Additional information on timolol adverse reactions.
FDA Drug Bull 1980 Nov;10(3):24-5

Effects of timolol on corneal sensitivity and tear production. Kitazawa Y, et al. **Int Ophthalmol** 1980 Dec;3(1):25-9

Timolol--an update. Werner DL. **J Am Optom Assoc** 1981 May;52(5):419-20

Timolol topically and diabetes mellitus [letter] Angelo-Nielsen K. **JAMA** 1980 Nov 21;244(20):2263

Exacerbation of obstructive airway disease by timolol [letter] Jones FL, et al. **JAMA** 1980 Dec 19;244(24):2730

Timolol-induced bronchospasm in asthmatic bronchitis. Schoene RB, et al. **JAMA** 1981 Apr 10;245(14):1460-1

Respiratory arrest after beta-blocker in an asthmatic patient [letter] Morris R, et al. **Med J Aust** 1980 Nov 15;2(10):576

Pulmonary edema following ritodrine-saline infusion in premature labor. Philipsen T, et al. **Obstet Gynecol** 1981 Sep;58(3):304-8

Nail pigmentation following timolol maleate therapy. Feiler-Ofry V, et al. **Ophthalmologica** 1981;182(3):153-6

Timolol-induced congestive heart failure [letter] Altus P.
South Med J 1981 Jan;74(1):88

[Effect of the beta-mimetic, ritodrine, on the maturity of the fetal lung] Mauroides D, et al.
Akush Ginekol (Sofiia) 1980;19(5-6):461-3 **(Bul)**

[Pulmonary edema associated with ritodrine therapy] Birch CD. **Ugeskr Laeger** 1980 Aug;142(34):2194-5 (Eng. Abstr.) **(Dan)**

[Life-threatening status asthmaticus following use of timolol-containing eye drops (Timoptol)] de Grood PM, et al. **Ned Tijdschr Geneeskd** 1981 Mar 14;125(11):427-9 (Eng. Abstr.) **(Dut)**

[Tolerance for timolol maleate] Corbel M.
Bull Soc Ophtalmol Fr 1980 Nov;80(11):1103-4 (Eng. Abstr.) **(Fre)**

[Cadiovascular effects of local timolol therapy (author's transl)] Flammer J, et al. **Klin Monatsbl Augenheilkd** 1980 Apr;176(4):561-5 (Eng. Abstr.) **(Ger)**

[Alteration of bronchial flow resistance due to timolol 0.25% in bronchial asthma (author's transl)] Holtmann HW, et al. **Klin Monatsbl Augenheilkd** 1980 Mar;176(3):441-4 (Eng. Abstr.) **(Ger)**

[Bronchoconstrictive side effects of timolol eye drops in patients with obstructive lung disease] Vonwil A, et al.
Schweiz Med Wochenschr 1981 May 9;111(19):665-9 (Eng. Abstr.) **(Ger)**

[Prolonged hypotension after the first dose of atenolol (author's transl)] Montoliu J, et al. **Med Clin (Barc)** 1981 Apr 25;76(8):365-6 (Eng. Abstr.) **(Spa)**

ANALYSIS

Separation of enantiomeric amines by ion-pair chromatography. Pettersson C, et al. **J Chromatogr** 1981 Jan 16;204:179–83

Mass fragmentographic determination of timolol in human plasma and urine. Fourtillan JB, et al. **J Pharm Sci** 1981 May;70(5):573–5

High-pressure liquid chromatography of nadolol and other beta-adrenergic blocking drugs. Patel BR, et al. **J Pharm Sci** 1981 Mar;70(3):336–8

Mutagenic epoxide impurities discovered in two new beta-adrenergic blocking agents. Quinto I, et al. **Toxicol Lett** 1980 Feb;5(2):109–14

[Determination of trimepranol, chlorthalidone, DH-ergocristine and amiloride simultaneously] Peterková M, et al. **Cesk Farm** 1980 Sep;29(7):241–3 (Eng. Abstr.) **(Cze)**

BLOOD

Vascular adaptation to long-term blood pressure reduction [letter] Werkö L. **Acta Med Scand** 1980;207(6):207

Plasma concentrations and beta-blocking effects in normal volunteers after intravenous doses of metoprolol and propranolol. Regårdh CG, et al. **J Cardiovasc Pharmacol** 1980 Nov–Dec;2(6):715–23

Specific and sensitive method for the determination of tobanum using gas chromatography with electron-capture and mass fragmentographic detection. Tomori E, et al. **J Chromatogr** 1981 Jan 16;204:355–60

Capillary column GLC-mass spectrometric assay with selected-ion monitoring for timolol and [13C3]timolol in human plasma. Carlin JR, et al. **J Pharm Sci** 1980 Oct; 69(10):1111–5

Interaction of cimetidine with metoprolol, propranolol, or atenolol [letter] Kirch W, et al. **Lancet** 1981 Sep 5; 2(8245):531–2

[Feasibility of determining nadolol in serum] Surmann P. **Arch Pharm (Weinheim)** 1980 Dec;313(12):1052–4 **(Ger)**

CEREBROSPINAL FLUID

beta-Adrenoreceptor-blocking agents and the blood-brain barrier. Cruickshank JM, et al. **Clin Sci [Suppl]** 1980 Dec; 59 Suppl 6:453s–455s

CHEMICAL SYNTHESIS

Approaches to vasodilating/beta-adrenergic blocking agents: examples of the dihydrolutidine type. Baldwin JJ, et al. **J Med Chem** 1981 May;24(5):628–31

Beta-adrenergic blocking agents. 20. (3-Hydroxyprop-1-enyl)-substituted 1-(aryloxy)-3-(alkylamino)propan-2-ols. Tucker H. **J Med Chem** 1980 Oct;23(10):1122–6

Synthesis of 1,2,4-triazolythiopropanolamines as potential cardiovascular agents. Hazzaa AA, et al. **Pharmazie** 1980; 34(5–6):324–5

[On the synthesis of compounds with beta-adrenergic activity (author's transl)] Lehmann D, et al. **Pharmazie** 1980; 34(5–6):278–84 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Elimination of inhibitors of alkaline phosphatase from 2-amino-2-methyl-1-propanol. Derks HJ, et al. **Clin Chem** 1981 Feb;27(2):318–21

METABOLISM

Metabolism of two beta-adrenoceptor antagonists, alprenolol and metoprolol, in different species. In-vitro and in-vivo correlations. Skånberg I. **Acta Pharm Suec** 1980;17(5):295–6

Single intravenous dose kinetics accumulation of atenolol in patients with impaired renal function and on hemodialysis. Kirch W, et al. **Arch Toxicol [Suppl]** 1980;(4):366–9

Pharmacokinetics of the new beta-adrenoceptor blocking agent betaxolol (SL 75212) in man after repeated oral administration. Bianchetti G, et al. **Arzneimittelforsch** 1980; 30(11):1912–6

Bioavailability of atenolol formulations. Mcainsh J, et al. **Biopharm Drug Dispos** 1980 Oct–Dec;1(6):323–32

Bioavailability in man of atenolol and chlorthalidone from a combination formulation. McAinsh J, et al. **Biopharm Drug Dispos** 1981 Apr–Jun;2(2):147–56

Estimation of the systemic bioavailability of timolol in man. El-Rashidy R. **Biopharm Drug Dispos** 1981 Apr–Jun; 2(2):197–202

The effect of antacid, metoclopramide, and propantheline on the bioavailability of metoprolol and atenolol. Regårdh CG, et al. **Biopharm Drug Dispos** 1981 Jan–Mar;2(1):79–87

The effect of age on the pharmacokinetics of metoprolol and its metabolites. Quarterman CP, et al. **Br J Clin Pharmacol** 1981 Mar;11(3):287–94

Characterization of [3H](+/-)carazolol binding to beta-adrenergic receptors. Application to study of beta-adrenergic receptor subtypes in canine ventricular myocardium and lung. Manalan AS, et al. **Circ Res** 1981 Aug;49(2):326–36

Clinical pharmacokinetics of metoprolol. Regårdh CG, et al. **Clin Pharmacokinet** 1980 Nov–Dec;5(6):557–69 (69 ref.)

Atenolol kinetics in renal failure. McAinsh J, et al. **Clin Pharmacol Ther** 1980 Sep;28(3):302–9

Comment on the comment on nadolol article [letter] **Drug Intell Clin Pharm** 1981 Jul–Aug;15(7–8):603

Pharmacokinetics of oral timolol studied by mass fragmentography. Fourtillan JB, et al. **Eur J Clin Pharmacol** 1981 Feb;19(3):193–6

Pharmacokinetics of atenolol in relation to renal function. Kirch W, et al. **Eur J Clin Pharmacol** 1981 Jan;19(1):65–71

Pharmacokinetics of atenolol in hypertensive subjects with and without co-administration of chlorthalidone. Riva E, et al. **Eur J Clin Pharmacol** 1980 May;17(5):333–7

A radioautographic study on the incorporation of 14C-bupranolol (beta-blocking agent) into the rabbit eye. Tsukahara S, et al. **Histochemistry** 1980;68(3):237–44

Pharmacokinetics of atenolol and its clinical consequences in patients with angina pectoris. van der Vijgh WJ, et al. **Int J Clin Pharmacol Ther Toxicol** 1980 Sep;18(9):375–7

Chronic dog intestinal loop model for studying drug absorption as exemplified by beta-adrenoreceptor blocking agents, atenolol and propranolol. Taylor DC, et al. **J Pharm Sci** 1981 May;70(5):516–21

Evidence that (+)-bupranolol interacts directly with myocardial beta-adrenoceptors. Control of optical purity with differential thermal analysis. Wächter W, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Aug; 313(1):1–8

Penbutolol and furosemide in a fixed-dose combination-bio-equivalence of two formulations. Meyer BH, et al. **S Afr Med J** 1981 Jun 13;59(25):891–3

[Pharmacokinetics of 1-(4'-oxyphenyl)-2-(3'-phenyl-thiopropyl-amino) propane-1-01 hydrochloride (Istiod) in the rat] Giordano L, et al. **Arch Sci Med (Torino)** 1980 Apr–Jun;137(2):247–52 (Eng. Abstr.) **(Ita)**

[Aspect on corneal permeability of bupranolol (author's transl)] Iwata S, et al. **Yakugaku Zasshi** 1980 Apr; 100(4):402–6 (Eng. Abstr.) **(Jpn)**

[Studies on befunolol-metabolizing activities, especially on reducing activity (author's transl)] Tohno M, et al. **Yakugaku Zasshi** 1980 Apr;100(4):443–51 (Eng. Abstr.) **(Jpn)**

[In vitro studies on species differences in befunolol-metabolizing activities (author's transl)] Tohno M, et al. **Yakugaku Zasshi** 1980 Sep;100(9):933–40 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Pharmacological effects on coronary haemodynamics. A comparative study between atenolol, verapamil, nifedipine and carbocromen. Simonsen S. **Acta Med Scand [Suppl]** 1981;645:97–104

Dose-related interaction between timolol and adrenaline. Ohrström A. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 216(1):55–9

Blood anions and electrolytes during ritodrine infusion in preterm labor. Kirkpatrick C, et al. **Am J Obstet Gynecol** 1980 Nov 1;138(5):523–7

Cardiovascular responses to anaesthesia. Influence of beta-adrenoreceptor blockade with metoprolol. Coleman AJ, et al. **Anaesthesia** 1980 Oct;35(10):972–8

Timolol: short term 'escape' and long term 'drift' [editorial] Boger WP 3d. **Ann Ophthalmol** 1979 Aug;11(8):1239–42

Cardiovascular effects of bucindolol (MJ 13105) in conscious dogs. Deitchman D, et al. **Arch Int Pharmacodyn Ther** 1980 Sep;247(1):76–88

Studies in the rat on bucindolol, a new antihypertensive agent with beta-adrenoceptor blocking properties. Oates HF, et al. **Arch Int Pharmacodyn Ther** 1981 May;251(1):95–102

One-hour intraocular pressure response to timolol. Lack of correlation with long-term response. Krupin T, et al. **Arch Ophthalmol** 1981 May;99(5):840–1

Ocular hypotensive effects of timolol in cat eyes. Liu HK, et al. **Arch Ophthalmol** 1980 Aug;98(8):1467–9

Fluorophotometric study of epinephrine and timolol in human subjects. Schenker HI, et al. **Arch Ophthalmol** 1981 Jul;99(7):1212–6

Quantitative structure-activity relationship in 1-substituted ureidophenoxy-3-amino-2-propanols, a class of beta-adrenergic blocking agents. Borea PA, et al. **Arzneimittelforsch** 1980;30(10):1613–7

Effects of dl-erythro-1-phenoxy-3-[(3,4-dimethoxyphenethyl)-amin (PS-6) on rat heart sarcolemma. Takeo S, et al. **Arzneimittelforsch** 1980;30(9):1511–3

Penbutolol: comparison of its antihypertensive effect with that of alpha-methyldopa in patients with primary hypertension. Vierhapper H, et al. **Arzneimittelforsch** 1980; 30(6):1008–11

Vascular responses to REN-293 (2-amino-3[3, 5-dihydroxyphenyl]-1-propanol hydrochloride)--a new sympathomimetic agent. Frost BR, et al. **Aust J Exp Biol Med Sci** 1981 Apr;59(Pt 2):179–82

Suloctidil-phospholipid interaction in bilayer membranes: effects on lipid dynamics. Chatelain P, et al. **Biochem Pharmacol** 1981 Feb 15;30(4):313–7

Quantitative relationship between histamine and 35S release from isolated rat mast cells due to the beta-adrenoceptor blocking drug Kö 1124. Nosál R, et al. **Biochem Pharmacol** 1981 Jun 15;30(12):1693–5

Effects of acute and chronic beta-receptor blockade on ventricular repolarisation in man. Edvardsson N, et al. **Br Heart J** 1981 Jun;45(6):628–36

Haemodynamic and metabolic effects of atenolol in patients with angina pectoris. Thompson DS, et al. **Br Heart J** 1980 Jun;43(6):668–79

Observation on the efficacy and pharmacokinetics of betaxolol (SL 75212), a cardioselective beta-adrenoceptor blocking drug. Balnave K, et al. **Br J Clin Pharmacol** 1981 Feb;11(2):171–80

Bronchial and cardiac beta-adrenoceptor blockade--a comparison of atenolol, acebutolol and labetalol. Gribbin HR, et al. **Br J Clin Pharmacol** 1981 Jul;12(1):61–5

Blood concentrations and pharmacodynamic effects of betaxolol (SL 75212) a new beta-adrenoceptor antagonist after oral and intravenous administration. Warrington SJ, et al. **Br J Clin Pharmacol** 1980 Nov;10(5):449–52

An investigation into the effects of surgical stress on the fit and poor-risk patient including the modifying effects of relative analgesia and beta-blockade. Part IV. The effect of beta-blockade and relative analgesia on surgical stress. Summers L. **Br J Oral Surg** 1981 Jun;19(2):88–95

An investigation into the effects of surgical stress on the fit and poor-risk patient including the modifying effects of relative analgesia and beta-blockade. Part III. The modifying effect of beta-blockade on surgical stress. Summers L. **Br J Oral Surg** 1981 Jun;19(2):81–7

The effects of atenolol on spontaneous and reflex activity of the sympathetic nerves in the anaesthetized cat. Scott EM. **Br J Pharmacol** 1981 Jul;73(3):609–16

Intraocular pressure lowering effect of timolol in the fellow untreated eye. Neetens A, et al. **Bull Soc Belge Ophtalmol** 1979;186:39–46

Protection of ischemic myocardium: comparison of effects of propranolol, bevantolol and N-dimethyl propranolol on infarct size following coronary artery occlusion in anesthetized dogs. Warltier DC, et al. **Cardiology** 1980; 66(3):133–46

Influence of beta-adrenergic and cholinergic blockade on the electrophysiological effects of melperone in the dog heart in situ. Platou ES, et al. **Cardiovasc Res** 1981 Mar; 15(3):137–43

Effect of atenolol on left ventricular function in hypertensive patients. Ibrahim MM, et al. **Circulation** 1980 Nov; 62(5):1036–45

An in vitro assessment of cellular and humoral immune function in pulmonary tuberculosis: correction of defective neutrophil motility by ascorbate, levamisole, metoprolol and propranolol. Gatner EM, et al. **Clin Exp Immunol** 1980 May;40(2):327–36

Effect of intravenous metoprolol on reversible obstructive airways disease. Abraham TA, et al. **Clin Pharmacol Ther** 1981 May;29(5):582–7

Effects of metoprolol and propranolol on theophylline elimination. Conrad KA, et al. **Clin Pharmacol Ther** 1980 Oct;28(4):463–7

Effects on exercise tachycardia during forty-eight hours of a series of doses of atenolol, sotalol, and metoprolol. Harron DW, et al. **Clin Pharmacol Ther** 1981 Mar;29(3):295–302

Dose-response studies of indenolol, a beta adrenoceptor blocker. Okupa FE, et al. **Clin Pharmacol Ther** 1981 Apr; 29(4):434–9

Effect of atenolol, metoprolol, and propranolol on isoproterenol-induced tremor and tachycardia in normal subjects. Perucca E, et al. **Clin Pharmacol Ther** 1981 Apr; 29(4):425–33

The effect of prolonged administration of propranolol and timolol on the growth and the heart of growing rabbits. Evemy KL, et al. **Clin Sci** 1981 Jan;60(1):33–40

Effect of beta-adrenoceptor blockade on exercise performance and metabolism. Lundborg P, et al. **Clin Sci** 1981 Sep;61(3):299–305

Effect of beta-receptor-blocking agents on cardiovascular structural changes in spontaneous and noradrenaline-induced hypertension in rats. Yamori Y, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:457s–460s

Prolonged effect of nadolol on heart rate in hyperthyroidism. Adam RD, et al. **Curr Med Res Opin** 1981;7(4):212–4

Insulinotropic effects of hypoglycaemic and hyperglycaemic sulphonamides: the ionophoretic hypothesis. Couturier E, et al. **Diabetologia** 1980 Oct;19(4):335–40

Penbutolol: a preliminary review of its pharmacological properties and therapeutic efficacy in hypertension and angina pectoris. Heel RC, et al. **Drugs** 1981 Jul;22(1):1–25

Clinical electrophysiological properties of penbutolol: a non-selective beta-blocking agent. von Leitner ER, et al. **Eur J Cardiol** 1980;12(2):121–8

Maximal exercise power after a single dose of metoprolol and of slow-release metoprolol. Folgering H, et al. **Eur J Clin Pharmacol** 1980 Oct;18(3).225–9

Randomized trial of two beta-mimetic drugs (ritodrine and fenoterol) in acute intra-partum tocolysis. Gerris J, et al. **Eur J Clin Pharmacol** 1980 Nov;18(6):443–8

Plasma catecholamines, plasma renin activity and haemodynamics during sodium nitroprusside-induced hypotension and additional beta-blockage with bunitrolol. Stanek B, et al. **Eur J Clin Pharmacol** 1981;19(5):317–22

Tissue levels and displacement of in vivo labelled beta-adrenergic receptors by FM 24, an irreversible or slowly dissociable beta-blocker. Le Fur G, et al. **Eur J Pharmacol** 1980 Oct 31;67(4):413–8

Effect of RP 30356 on the fast inward Na current in frog atrial fibres. Sauviat MP, et al. **Eur J Pharmacol** 1981 May 8;71(2–3):185–99

The effects of topically applied epinephrine and timolol on intraocular pressure and aqueous humor cyclic-AMP in the rabbit. Boas RS, et al. **Exp Eye Res** 1981 Jun;

32(6):681–90

Effect of beta adrenergic agents on blood vessels of the rat iris. I. Permeability to carbon particles. Szalay J, et al. **Exp Eye Res** 1980 Sep;31(3):289–97

Effects of salbutamol and butoxamine on the human fat cell adenylate cyclase. Kather H, et al. **Horm Metab Res** 1980 Dec;12(12):695–7

In vitro stimulation of neutrophil motility by metoprolol and sotalol related to inhibition of both H2O2 production and peroxidase mediated iodination of the cell and leucoattractant. Anderson R, et al. **Int J Immunopharmacol** 1980;2(4):321–31

Pharmacological effects of topical timolol in the rabbit eye. Bartels SP, et al. **Invest Ophthalmol Vis Sci** 1980 Oct; 19(10):1189–97

The effect of timolol maleate on the disruption of the blood–aqueous barrier in the rabbit eye. Holmdahl G, et al. **Invest Ophthalmol Vis Sci** 1981 Jun;20(6):726–32

Comparison of the inotropic and chronotropic effects of metoprolol and propranolol. Conrad KA. **J Clin Pharmacol** 1981 May–Jun;21(5–6):213–8

The inhibition of cancer cell stickiness: a model for investigation of platelet aggregation inhibitors in vivo. V. The effect of penbutolol. Gaspar H, et al. **J Med** 1981; 12(1):1–13

Beta-adrenoceptor stimulant properties of amidoalkylamino-substituted 1-aryl-2-ethanols and 1-(aryloxy)-2-propanols. Barlow JJ, et al. **J Med Chem** 1981 Mar;24(3):315–22

Adrenoceptor blocking agents. Compounds related to metoprolol. Lövgren K, et al. **J Med Chem** 1981 Apr; 24(4):451–4

Effects of oral befunolol on heart rate and systolic blood pressure during submaximal exercise in man. Miki N, et al. **Jpn Circ J** 1980 Oct;44(10):783–93

Studies of action mechanism of antiglaucoma drugs with a newly developed cat model. Chiou GC, et al. **Life Sci** 1980 Dec 22–29;27(25–26):2445–51

Evidence that ICI 118, 551 is a potent, highly Beta 2-selective adrenoceptor antagonist and can be used to characterize Beta-adrenoceptor populations in tissues. O'Donnell SR, et al. **Life Sci** 1980 Aug 25;27(8):671–7

Beta blockade and diabetes mellitus: effect of oxprenolol and metoprolol on the metabolic, cardiovascular, and hormonal response to insulin-induced hypoglycemia in insulin-dependent diabetics. Viberti GC, et al. **Metabolism** 1980 Sep;29(9):873–9

Beta blockade and diabetes mellitus: effect of oxprenolol and metoprolol on the metabolic, cardiovascular, and hormonal response to insulin-induced hypoglycemia in normal subjects. Viberti GC, et al. **Metabolism** 1980 Sep; 29(9):866–72

Lanthanum staining of coronary microvascular endothelium: effects of ischemia reperfusion, propranolol, and atenolol. Haack DW, et al. **Microvasc Res** 1981 May;21(3):362–76

Antagonism by chlorisondamine and propranolol, but not by atenolol, of the circadian phase-dependent phentolamine-induced changes in the cardiac noradrenaline turnover in the rat. Lemmer B, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Sep; 313(3):205–12

Pharmacological and biochemical properties of BRL 14342, a novel potential antidepressant drug. Clark MS, et al. **Neuropharmacology** 1980 Dec;19(12):1207–8

Prophylactic timolol for the prevention of high intraocular pressure after cataract extraction. A randomized, prospective, double-blind trial. Haimann MH, et al. **Ophthalmology (Rochester)** 1981 Mar;88(3):233–8

The effect of timolol and acetazolamide on transient intraocular pressure elevation following cataract extraction with alpha-chymotrypsin. Packer AJ, et al. **Ophthalmology (Rochester)** 1981 Mar;88(3):239–43

Blockade of nicotine induced cardiac responses by metoprolol in the in situ dog heart. Simpson WW, et al. **Proc West Pharmacol Soc** 1981;24:57–61

The effect of penbutolol on glomerular filtration. Meyer BH, et al. **S Afr Med J** 1981 Aug 8;60(6):243–4

Effect of acute and chronic beta-blockade on carbon dioxide sensitivity in normal man. Hutchinson PF, et al. **Thorax** 1980 Nov;35(11):869–72

Pharmacologic protection against prolonged ischemia during harvesting and preservation of canine kidneys. Stowe N, et al. **Transplant Proc** 1981 Mar;13(1 Pt 2):699–701

Cardiotoxicity of ritodrine: assessment based on serum creatine kinase activity. Gerris J, et al. **Z Geburtshife Perinatol** 1980 Feb;184(1):25–30

[Renal excretion of kallikrein after water loading and administration of furosemide or the beta-adrenergic blocker, trimepranol. A study in patients with a kidney allotransplant] Stříbrná J, et al. **Cas Lek Cesk** 1981 Feb 12;120(6):154–9 (Eng. Abstr.) **(Cze)**

[The toxic effects and pharmacokinetics of lanatoside C in animals with experimental radiation sickness or trimepranol premedication] Tilšer I, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1980; 23(4):497–511 (Eng. Abstr.) **(Cze)**

[The effect of metipranolol on systolic time intervals, Q–Kd interval, and Achilles tendon reflex time in patients with thyrotoxicosis] Ceňková V, et al. **Vnitr Lek** 1980 Sep; 26(9):866–72 (Eng. Abstr.) **(Cze)**

[Clinical pharmacology of Metipranolol (trimepranol injection VUFB, Spofa tablets). The importance of clinical dosages] Mayer O, et al. **Vnitr Lek** 1981 Feb;27(2):160–71 (Eng. Abstr.) **(Cze)**

[The effect of beta-blockers on the neural apparatus in hypertonics] Reháček J, et al. **Vnitr Lek** 1980 Sep; 26(9):861–5 (Eng. Abstr.) **(Cze)**

[Timoptol (timolol) and soft lenses] Malbrel PH, et al. **Bull Soc Ophtalmol Fr** 1979 Nov–Dec;79(11–12):1087–8 (Eng. Abstr.) **(Fre)**

[Effects of oxilofrine on the release and storage of noradrenaline in cardiac sections of the rat (author's transl)] Jacquot C, et al. **Arzneimittelforsch** 1980;30(6):946–8 (Eng. Abstr.) **(Ger)**

[Effects of oxilofrine on the activity of the sympathetic nervous system (author's transl)] Rapin JR, et al. **Arzneimittelforsch** 1980;30(7):1077–9 (Eng. Abstr.) **(Ger)**

[Long term comparison between atenolol and a depot form of propranolol hydrochloride on the heart rate and blood pressure at rest and during physical work in normal subjects] Wink K, et al. **Arzneimittelforsch** 1980; 30(8):1298–301 (Eng. Abstr.) **(Ger)**

[Effect of metoprolol on the circulation after head trauma. Studies during continuous intravenous administration (author's transl)] Fuchs HJ, et al. **Dtsch Med Wochenschr** 1980 Oct 31;105(44):1531–6 (Eng. Abstr.) **(Ger)**

[Global and regional left ventricular function in coronary heart disease after beta-blockade and furosemide (author's transl)] Nechwatal W, et al. **Dtsch Med Wochenschr** 1980 Nov 28;105(48):1687–93 (Eng. Abstr.) **(Ger)**

[Quantitative morphologic studies on the myocardium in early stages of ontogenesis and after application of various cardioactive agents] Bózner A, et al. **Gegenbaurs Morphol Jahrb** 1980;126(3):307–13 (Eng. Abstr.) **(Ger)**

[Comparison of the tocolytic efficacy of hexoprenaline and ritodrine in prostaglandin-induced labor] Brabec W, et al. **Gynaekol Rundsch** 1980 Jun;20 Suppl 2:230–4 **(Ger)**

[Effect of a single oral dose of propranolol or metoprolol on the intraocular pressure of persons without glaucoma (author's transl)] Merté HJ, et al. **Klin Monatsbl Augenheilkd** 1980 Jan;176(1):13–5 (Eng. Abstr.) **(Ger)**

[Infrared thermographic investigation of the mechanism of action of timolol (author's transl)] Wizemann A, et al. **Klin Monatsbl Augenheilkd** 1981 Mar;178(3):190–2 (Eng. Abstr.) **(Ger)**

[Coronary blood flow and myocardial oxygen consumption before and after administration of 0.8mg nitroglycerin compared with atenolol] Jansen W, et al. **Med Welt** 1980 Sep 12;31(37):1313–6 **(Ger)**

[On the cardiovascular and beta-adrenergic blocking effects produced in the beagle dog by repeated oral administration of talinolol (Cordanum) and propranolol (author's transl)] Heer S, et al. **Pharmazie** 1980;34(5–6):317–20 (Eng. Abstr.) **(Ger)**

[The influence of the beta-mimetic Ritodrine on the potassium balance under tocolytic therapy (author's transl)] Hondros K, et al. **Z Geburtshife Perinatol** 1980 Feb; 184(1):17–24 (Eng. Abstr.) **(Ger)**

[Effect of the beta-receptor blockers propranolol and talinolol on glucose-orciprenaline induced insulin secretion, glucose tolerance and the behavior of nonesterified free fatty acids in metabolically normal probands.] Möricke R, et al. **Z Gesamte Inn Med** 1981 Mar; 36(5):263–7 (Eng. Abstr.) **(Ger)**

[Metabolic and hormonal response to physical exercise under acute beta 1-adrenergic blockade (author's transl)] Kindermann W, et al. **Z Kardiol** 1981 May;70(5):406–12 (Eng. Abstr.) **(Ger)**

[The effect of Tobanum on human cardioelectrophysiology] Borbola J, et al. **Orv Hetil** 1980 Aug 31;121(35):2129–32 **(Hun)**

[Pharmacology of a beta-adrenolytic agent, carteolol] Imperatore A, et al. **Boll Chim Farm** 1979 Oct; 118(10):617–45 (Eng. Abstr.) **(Ita)**

[Preliminary study of acidification of the pH of the aqueous humor in rats treated with timolol maleate] Balacco-Gabrieli C, et al. **Boll Soc Ital Biol Sper** 1980 Oct 30;56(20):2071–5 (Eng. Abstr.) **(Ita)**

[Effects of a new beta-blocking drug, DL 071–IT, on the myocardial contractile state in the waking dog; a comparison with 9 known beta blockaders] Marchetti G, et al. **Boll Soc Ital Cardiol** 1979;24(9):1039–43 **(Ita)**

[Effect of suloctidil on plasma viscosity in rats on an atherogenic diet] Drago F, et al. **Farmaco [Prat]** 1980 Aug; 35(8):423–6 (Eng. Abstr.) **(Ita)**

[Influence of high doses of ritodrine on basal cardiotocographic tracing during pregnancy] Vignali M, et al. **Minerva Ginecol** 1980 Sep;32(9):801–4 (Eng. Abstr.) **(Ita)**

[Befunolol isomers and aqueous humor dynamic in man (author's transl)] Araie M, et al. **Nippon Ganka Gakkai Zasshi** 1981 Jan;85(1):44–9 (Eng. Abstr.) **(Jpn)**

[Effects of dipivalyl epinephrine and S-596, a new beta-adrenergic blocker, on human aqueous humor dynamics (author's transl)] Araie M, et al. **Nippon Ganka Gakkai Zasshi** 1981 May 10;85(5):349–54 (Eng. Abstr.) **(Jpn)**

[Effects of pilocarpine and carteolol, a new beta-adrenergic blocking agent on human aqueous humor dynamics (author's transl)] Araie M, et al. **Nippon Ganka Gakkai Zasshi** 1980 Dec 10;84(12):2085–91 (Eng. Abstr.) **(Jpn)**

[Timolol maleate: pharmacokinetic analysis of ocular penetration in the rabbit eye and effects on human aqueous humor dynamics (author's transl)] Araie M, et al. **Nippon Ganka Gakkai Zasshi** 1980 Dec 10;84(12):2139–46 (Eng. Abstr.) **(Jpn)**

[The effect of atenolol on the cardiovascular system (author's transl)] Izumi T, et al. **Nippon Yakurigaku Zasshi** 1980 Sep; 76(6):505–13 (Eng. Abstr.) **(Jpn)**

[Atenolol, its cardioselective property for adrenergic beta-receptor blocking action and effect on the cardiac function (author's transl)] Kanno M, et al. **Nippon Yakurigaku Zasshi** 1980 Oct;76(7):621–32 (Eng. Abstr.) **(Jpn)**

[Effect of atenolol on ST segment elevation during acute phase of transmural myocardial infarction of the anterior wall] Pimenta J, et al. **Arq Bras Cardiol** 1980 Apr; 34(4):295–8 (Eng. Abstr.) **(Por)**

THERAPEUTIC USE

Atenolol pretreatment in fiberoptic bronchoscopy. Effect on cardiac arrhythmias, heart rate and arterial blood pressure. Fassoulaki A, et al. **Acta Anaesthesiol Belg** 1980; 31(4):279–84

Antihypertensive treatment inhibiting the progression of diabetic nephropathy. Mogensen CE. **Acta Endocrinol [Suppl] (Copenh)** 1980;Suppl 238:103–8

Effect of beta-blocking agents in hyperthyroidism. Földes J, et al. **Acta Med Acad Sci Hung** 1979;36(4):375–80

Effect of metoprolol on QTc intervals after acute myocardial infarction. Ahnve S, et al. **Acta Med Scand** 1980; 208(3):223–8

The effect of beta-blockade on glucose tolerance and insulin release in adult diabetes. Holm G, et al. **Acta Med Scand** 1980;208(3):187–91

Antihypertensive effect of atenolol (100 mg once a day) and methyldopa (250 mg thrice a day). A double-blind cross-over multicentre study. Kristensen BO, et al. **Acta Med Scand** 1981;209(4):267–70

Metoprolol and atenolol administered once daily in primary hypertension. A clinical comparison of the efficacy of two selective beta-adrenoceptor blocking agents. Lyngstam O, et al. **Acta Med Scand** 1981;209(4):261–6

A cardio-selective beta blocker (metoprolol) in hypertensive, insulin-dependent diabetics. A preliminary report. Ostman J, et al. **Acta Med Scand [Suppl]** 1980;639:29–32

The long-term ocular and systemic effects of topically applied metoprolol tartrate in glaucoma and ocular hypertension. Krieglstein GK. **Acta Ophthalmol (Copenh)** 1981 Feb;59(1):15–20

Effects of timolol maleate on tear flow in human eyes. Bonomi L, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 213(1):19–22

Nadolol and labetalol: comparative efficacy of two beta-blocking agents in glaucoma. Krieglstein GK, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 216(4):313–7

Long-term benefit of cardioselective beta blockade with once-daily atenolol therapy in angina pectoris. Schwartz JB, et al. **Am Heart J** 1981 Apr;101(4):380–5

Suppression of threatened premature labor by administration of cortisol and 17 alpha-hydroxyprogesterone caproate: a comparison with ritodrine. Kauppila A, et al. **Am J Obstet Gynecol** 1980 Oct 15;138(4):404–8

Safety and effectiveness of concomitant administration of dipivefrin and timolol maleate. Keates EU, et al. **Am J Ophthalmol** 1981 Feb;91(2):243–8

Intravenous metoprolol and cardiac dysrhythmias. An evaluation in the management of dysrhythmias in outpatient dental anaesthesia. Rollason WN, et al. **Anaesthesia** 1980 Aug;35(8):783–9

Metoprolol in anaesthesia for oral surgery. The effect of pretreatment on the incidence of cardiac dysrhythmias. Whitehead MH, et al. **Anaesthesia** 1980 Aug;35(8):779–82

Influence of non-selective and selective beta adrenoceptor blockade on isoxsuprine-dependent hemodynamic and rheologic changes. Di Perri T, et al. **Angiology** 1981 Apr; 32(4):257–65

Prazosin enhances the antihypertensive effects of beta-blockers during isometric and dynamic exercise. Äärynen M, et al. **Ann Clin Res** 1981 Apr;13(2):71–6

Antihypertensive action of drug combination: Timolol, hydralazine, hydrochlorothiazide and triamterene. Pörsti P, et al. **Ann Clin Res** 1981 Feb;13(1):6–10

Beta-adrenoceptor blocking drugs and the glaucoma suspect [editorial] Langham ME. **Ann Ophthalmol** 1981 Mar; 13(3):273

Combined use of beta-sympathomimetic drugs and beta-blockers during labour. Steyer M, et al. **Arch Gynecol** 1981;230(3):231–7

Beneficial effects of bucindolol in a canine model of pentobarbital-induced heart failure. Deitchman D, et al. **Arch Int Pharmacodyn Ther** 1981 Mar;250(1):65–72

Metoprolol in essential tremor. Newman RP, et al. **Arch Neurol** 1980 Sep;37(9):596–7

Long-term drift and continued efficacy after multiyear timolol therapy. Steinert RF, et al. **Arch Ophthalmol** 1981 Jan;99(1):100–3

Timolol and epinephrine in primary open angle glaucoma. Transient additive effect. Thomas JV, et al.

Arch Ophthalmol 1981 Jan;99(1):91–5

Comparative study of the effects of penbutolol and propranolol in the treatment of angina pectoris. Hillis WS, et al. **Arzneimittelforsch** 1980;30(9):1595–9

A double blind cross-over comparison of bunitrolol and placebo in the treatment of angina pectoris. Jonker JJ, et al. **Arzneimittelforsch** 1981;31(7):1140–2

Transfer to timolol: selective use of a new mode of therapy. Cher I. **Aust J Ophthalmol** 1980 May;8(2):165–72

A trial of Timoptol (timolol maleate) in a clinical situation. Gilles WE, et al. **Aust J Ophthalmol** 1980 May;8(2):173–5

Timolol maleate. A report from the Glaucoma Clinic, Sydney Eye Hospital. Martin FJ. **Aust J Ophthalmol** 1980 May; 8(2):177–8

Basic pharmacology of some glaucoma drugs with emphasis on new information and new developments. Zimmerman TJ. **Aust J Ophthalmol** 1980 May;8(2):179–88

Beta adrenoreceptor-blocking drugs once daily in essential hypertension: a comparison of propranolol, pindolol and atenolol. England JD. **Aust NZ J Med** 1981 Feb; 11(1):35–40

Excessive plasma dopamine increase at rest and during exercise after long-term beta-adrenoreceptor blockade in hypertensive patients. Franz IW, et al. **Br Heart J** 1980 Jul;44(1):25–9

Nifedipine and left ventricular function in beta-blocked patients. Joshi PI, et al. **Br Heart J** 1981 Apr;45(4):457–9

Left ventricular function and beta-blockade in chronic ischaemic heart failure. Double-blind, cross-over study of propranolol and penbutolol using non-invasive techniques. Vedin A, et al. **Br Heart J** 1980 Jul;44(1):101–7

Double-blind cross-over comparison of hydralazine and prazosin in hypertensive subjects on a beta-adrenoceptor blocking agent (atenolol). Jones JV, et al. **Br J Clin Pharmacol** 1980 Nov;10(5):531–3

Interaction of timolol and adrenaline. Ohrström A, et al. **Br J Ophthalmol** 1981 Jan;65(1):53–5

Addition of timolol maleate to routine medical therapy: a clinical trial. Smith RJ, et al. **Br J Ophthalmol** 1980 Oct; 64(10):779–81

Behavioural and subjective effects of beta-adrenergic blockade in phobic subjects. Bernadt MW, et al. **Br J Psychiatry** 1980 Nov;137:452–7

Atenolol and chlorthalidone for hypertension in black South Africans [letter] Mhlongo SW. **Br Med J** 1980 Dec 6; 281(6254):1569

Adverse interaction between nifedipine and beta-blockade. Opie LH, et al. **Br Med J** 1980 Nov 29;281(6253):1462

Atenolol, sustained-release oxprenolol, and long-acting propranolol in hypertension. Petrie JC, et al. **Br Med J** 1980 Jun 28;280(6231):1573–4

Trial of atenolol and chlorthalidone for hypertension in black South Africans. Seedat YK. **Br Med J** 1980 Nov 8; 281(6250):1241–3

Renal function in patients with essential hypertension receiving nadolol. Waal-Manning HJ, et al. **Br Med J** 1980 Aug 9;281(6237):423–4

Lack of effect of propranolol and metoprolol on glucose tolerance in maturity-onset diabetics. Woods KL, et al. **Br Med J** 1980 Nov 15;281(6251):1321

Emergency treatment of high blood pressure with oral atenolol. **Br Med J [Clin Res]** 1981 Jul 4;283(6283):57–8

Timolol after myocardial infarction: an answer or a new set of questions? Mitchell JR. **Br Med J [Clin Res]** 1981 May 16;282(6276):1565–70 (31 ref.)

Timolol after myocardial infarction [letter] Pederson TR. **Br Med J [Clin Res]** 1981 Aug 1;283(6287):383

Topical timolol in open-angle glaucoma. Hass I, et al. **Can J Ophthalmol** 1979 Oct;14(4):235–8

Prevention of adrenaline-induced metabolic systemic and myocardial alterations by the beta-blocking agent metipranolol in the dog. Herbaczyńska-Cedro K, et al. **Cardiology** 1981;67(4):206–18

Clinical evaluation of atenolol in hypertensive patients. Ibrahim MM, et al. **Circulation** 1981 Aug;64(2):368–74

The effect of atenolol on serum thyroid hormones in hyperthyroid patients. How J, et al. **Clin Endocrinol (Oxf)** 1980 Sep;13(3):299–302

beta-Adrenoreceptor blockage and genetic hypertension development in rats. Richer C, et al. **Clin Exp Hypertens** 1980;2(1):99–122

Exercise duration to angina at two and twelve hours after timolol. Aronow WS, et al. **Clin Pharmacol Ther** 1981 Feb; 29(2):155–9

Timolol and hydrochlorothiazide-amiloride in primary hypertension. Henning R, et al. **Clin Pharmacol Ther** 1980 Dec;28(6):707–14

Metoprolol in diabetes mellitus: effect on glucose homeostasis. Garrett BN, et al. **Clin Sci [Suppl]** 1980 Dec; 59 Suppl 6:469s–472s

Effect of atenolol on left ventricular function in hypertensive patients. Ibrahim MM, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:473s–475s

A comparison between once-daily and twice-daily administration of metoprolol in the management of hypertension. Chia BL. **Curr Med Res Opin** 1980;7(2):85–90

A hospital out-patient study of timolol/bendrofluazide combination ('Prestim') in essential hypertension. Kubik MM. **Curr Med Res Opin** 1980;7(1):47–54

A multi-centre general practice study on the use of a timolol/bendrofluazide combination ('Prestim') in the management of hypertension: preliminary report. Langrick AF, et al. **Curr Med Res Opin** 1981;7(4):268–75

Haemodynamic changes during treatment of arterial hypertension with atenolol (Tenormin). Jensen HA, et al. **Dan Med Bull** 1980 Jul;27(3):153–5

Time course of blood pressure, pulse rate, plasma renin and metoprolol during treatment of hypertensive patients. Haglund K, et al. **Eur J Clin Pharmacol** 1980 May; 17(5):321–8

Haemodynamic dose-response effects of i.v. metoprolol in coronary heart disease. Hendry WG, et al. **Eur J Clin Pharmacol** 1981;19(5):323–7

Time-course of the anti-hypertensive action of atenolol: comparison of response to first dose and to maintained oral administration. Leonetti G, et al. **Eur J Clin Pharmacol** 1980 Nov;18(5):365–74

Effects and plasma levels of propranolol and metoprolol in hyperthyroid patients. Nilsson OR, et al. **Eur J Clin Pharmacol** 1980 Oct;18(4):315–20

Ritodrine approved for premature labor. **FDA Drug Bull** 1980 Nov;10(3):22

Plasma steroids and human placental lactogen level changes in late pregnancy in association with intravenous ritodrine administration. Schneyer P, et al. **Gynecol Obstet Invest** 1981;12(2):99–106

Multiclinic evaluation of timolol in the treatment of mild-to-moderate essential hypertension. Rofman BA, et al. **Hypertension** 1980 Sep-Oct;2(5):643–8

Short-term systemic hemodynamic adaptation to beta-adrenergic inhibition with atenolol in hypertensive patients. Simon G, et al. **Hypertension** 1981 Mar-Apr; 3(2):262–8

Controlled trial of suloctidil in intermittent claudication. Verhaeghe R, et al. **J Cardiovasc Pharmacol** 1981 Mar-Apr; 3(2):279–86

Antiarrhythmic effects of acute betablockade with atenolol on supraventricular tachycardias at rest and during exercise. Hombach V, et al. **Klin Wochenschr** 1981 Feb 2;59(3):123–33

To be(ta) or not be(ta): a labouring question [editorial] **Lancet** 1981 Jun 6;1(8232):1244–5

Beta-blockers after myocardial infarction [editorial] **Lancet** 1981 Apr 18;1(8225):873–4

beta-Adrenoceptor antagonists and essential tremor [letter] Leigh PN, et al. **Lancet** 1981 May 16;1(8229):1106

Trial of heparin versus atenolol in prevention of myocardial infarction in intermediate coronary syndrome. Telford AM, et al. **Lancet** 1981 Jun 6;1(8232):1225–8

New antihypertensive agent (bucindolol) [letter] Oates HF. **Med J Aust** 1980 Aug 23;2(4):224–5

Ritodrine for inhibition of preterm labor. **Med Lett Drugs Ther** 1980 Oct 17;22(21):89–90

Timolol-induced reduction in mortality and reinfarction in patients surviving acute myocardial infarction. **N Engl J Med** 1981 Apr 2;304(14):801–7

Timolol after myocardial infarction [letter] **N Engl J Med** 1981 Aug 13;305(7):406–8

Nadolol: a new beta-adrenoceptor antagonist. Frishman WH. **N Engl J Med** 1981 Sep 17;305(12):678–82 (38 ref.)

Beta-adrenergic blockade after myocardial infarction [editorial] Sleight P. **N Engl J Med** 1981 Apr 2; 304(14):837–8

Atenolol in hypertension: follow-up of patients crossed over to this agent from propranolol, pindolol or metoprolol. Frewin DB, et al. **NZ Med J** 1980 Nov 26;92(672):389–90

Sustained release metoprolol: a comparison with conventional formulation in the treatment of hypertension. Logan RL, et al. **NZ Med J** 1981 Jul 8;93(687):1–2

Metabolic effects of intramuscular and oral administration of ritodrine in pregnancy. Schreyer P, et al. **Obstet Gynecol** 1981 Jun;57(6):730–3

Long-term treatment with timolol ophthalmic solution in open-angle glaucoma. Demailly P, et al. **Ophthalmologica** 1980;181(3–4):221–7

Timolol in uncontrolled childhood glaucomas. Boger WP 3d, et al. **Ophthalmology (Rochester)** 1981 Mar;88(3):253–8

Timolol. Canadian multicenter study. LeBlanc RP, et al. **Ophthalmology (Rochester)** 1981 Mar;88(3):224–8

Timolol and pediatric glaucomas. McMahon CD, et al. **Ophthalmology (Rochester)** 1981 Mar;88(3):249–52

Timolol used in treating glaucoma. Wilson RP, et al. **Pa Med** 1981 Mar;84(3):43–5

A new approach to drug trials in general practice. Comparison of the antihypertensive efficacy of metoprolol and atenolol. Adams-Strump BJ, et al. **Practitioner** 1980 May;224(1343):541–4

Mediation of blood pressure by nadolol and alpha methyldopa. Jenkins AC, et al. **Practitioner** 1981 Mar; 225(1353):405–9

Beta-blocker therapy with metoprolol in the hyperventilation syndrome. Folgering H, et al. **Respiration** 1981;41(1):33–8

Beta-blocker prophylaxis after myocardial infarction [editorial] **S Afr Med J** 1981 Jun 6;59(24):845–6

Timolol in the therapy of 'ocular hypertension'. Boger WP 3d, et al. **Surv Ophthalmol** 1980 Nov-Dec;25(3):195–202

A study of the intraocular pressure lowering effect of timolol and dipivalyl epinephrine. Frumar KD, et al. **Trans Ophthalmol Soc NZ** 1981;33:27–9

Timolol maleate and intraocular pressure in low-tension glaucoma. Gillies WE, et al. **Trans Ophthalmol Soc NZ** 1981;33:33–5

Prophylactic therapy of ocular hypertension. A prospective study. Kitazawa Y. **Trans Ophthalmol Soc NZ** 1981;33:30–2

Long-term results in the treatment of glaucoma with beta-adrenergic blocking agents. Strempel I. **Trans Ophthalmol Soc NZ** 1981;33:21–3

Concomitant glaucoma therapy with dipivefrin and timolol maleate. Thorson JC. **Trans Ophthalmol Soc NZ** 1981; 33:24–6

Comparative trial of Tenormin (atenolol) and Inderal (propranolol) in migraine. Stensrud P, et al. **Ups J Med Sci [Suppl]** 1980;Suppl 31:37–40

[Effect of beta-blocking agents talinolol and metipranolol in patients with thyrotoxicosis (author's transl)] Nedvídková J, et al. **Cas Lek Cesk** 1980 Jul 11; 119(27–28):749–51 (Eng. Abstr.) **(Cze)**

[Results of long-term treatment of glaucoma with timolol] Valničková J. **Cesk Oftalmol** 1980 Jul;36(4):243–9 (Eng. Abstr.) **(Cze)**

[Atenolol (Tenormin) in the treatment of angina pectoris] Haghfelt T, et al. **Ugeskr Laeger** 1980 Sep 15; 142(38):2475–8 (Eng. Abstr.) **(Dan)**

[Beta-receptor blocking agents and glaucoma; timolol in eye drops] Ros FE, et al. **Ned Tijdschr Geneeskd** 1981 Mar 14;125(11):422–5 **(Dut)**

[Secondary prevention with timolol; the Norwegian multicenter study] van Zwieten PA. **Ned Tijdschr Geneeskd** 1981 Jul 25;125(30):1202–5 **(Dut)**

[Tachyphylaxis in chronic timolol-treated glaucoma] Oksala A, et al. **Duodecim** 1980;96(13):903–7 (Eng. Abstr.) **(Fin)**

[Local application of timolol is not a panacea in the management of glaucoma. Examples] Béchetoille A. **Bull Soc Ophtalmol Fr** 1980 Jan;80(1):79–83 (Eng. Abstr.) **(Fre)**

[Timolol in aphakic glaucoma] Mondon H, et al. **Bull Soc Ophtalmol Fr** 1980 Apr-May;80(4–5):373–5 (Eng. Abstr.) **(Fre)**

[Our experience with the tonometric effect of timolol] Razemon P, et al. **Bull Soc Ophtalmol Fr** 1979 Aug-Sep; 79(8–9):749–52 (Eng. Abstr.) **(Fre)**

[Results of our experience with the use of timolol maleate eyedrops] Royer J, et al. **Bull Soc Ophtalmol Fr** 1980 Aug-Sep;80(8–9):683–5 **(Fre)**

[New indications for timoptol eyedrops] Verin P, et al. **Bull Soc Ophtalmol Fr** 1980 Nov;80(11):995–7 **(Fre)**

[Selective beta blockaders (metoprolol) versus non selective (propranolol): comparative effects on the composition of lipoprotein fractions and on blood pressure] Bielmann P, et al. **Union Med Can** 1980 Dec;109(12):1734–40 (Eng. Abstr.) **(Fre)**

[The effect of timolol and dipivalyl-epinephrine in the treatment of the elevated intraocular pressure (author's transl)] Ober M, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 213(4):273–81 (Eng. Abstr.) **(Ger)**

[Vigilance and beta blockade. The influence of the beta blocker atenolol and other substances on the reaction time of the visual system] Harms D, et al. **Fortschr Med** 1981 Mar 5;99(9):313–7 (Eng. Abstr.) **(Ger)**

[Efficency of tocoylsis by fenoterol and fenoterol in combination with a beta-1-blocking compound (author's transl)] Trolp R, et al. **Geburtshilfe Frauenheilkd** 1980 Jul; 40(7):602–9 (Eng. Abstr.) **(Ger)**

[Long-term results with timolol] Bischoff P. **Klin Monatsbl Augenheilkd** 1980 Apr;176(4):551–4 (Eng. Abstr.) **(Ger)**

[Is timolol effective in neovascular glaucoma? (author's transl)] Bischoff P, et al. **Klin Monatsbl Augenheilkd** 1980; 177(2):235–7 (Eng. Abstr.) **(Ger)**

[Clinical treatment and long-term experience with timolol (author's transl)] Blaul G. **Klin Monatsbl Augenheilkd** 1980 Jun;176(6):982–7 (Eng. Abstr.) **(Ger)**

[The influence of metoprolol eye drops on intraocular pressure (author's transl)] Bucheli J, et al. **Klin Monatsbl Augenheilkd** 1980;177(2):146–50 **(Ger)**

[Effect of long-term administration of timolol eye drops in open-angle glaucoma (author's transl)] Demmler N, et al. **Klin Monatsbl Augenheilkd** 1980 Jul;177(1):91–3 (Eng. Abstr.) **(Ger)**

[Treatment of narrow-angle glaucoma with timolol (author's transl)] Demmler N, et al. **Klin Monatsbl Augenheilkd** 1980 Jul;177(1):94–6 (Eng. Abstr.) **(Ger)**

[Long-term treatment of angle-closure glaucoma with bupranolol eye drops (author's transl)] Demmler N. **Klin Monatsbl Augenheilkd** 1980 Nov;177(5):618–21 (Eng. Abstr.) **(Ger)**

[Long-term treatment of open-angle glaucoma with bupranolol eye drops (author's transl)] Demmler N. **Klin Monatsbl Augenheilkd** 1980 Oct;177(4):523–6 (Eng. Abstr.) **(Ger)**

[Experience with timolol in consulting patients (author's transl)] Junker C, et al. **Klin Monatsbl Augenheilkd** 1980 May;176(5):849–51 (Eng. Abstr.) **(Ger)**

[Comparative study between timolol and d-epinephrine in the treatment of open-angle glaucoma (author's transl)] Merkle W. **Klin Monatsbl Augenheilkd** 1981 Mar; 178(3):203–5 (Eng. Abstr.) **(Ger)**

[Timolol in combination with other glaucoma drugs (author's transl)] Merkle W. **Klin Monatsbl Augenheilkd** 1981 Jan; 178(1):50–4 (Eng. Abstr.) **(Ger)**

[Experiences in a double-blind study with different concentrations of timolol and pilocarpine (author's transl)] Merté HJ, et al. **Klin Monatsbl Augenheilkd** 1980 Oct; 177(4):443–50 (Eng. Abstr.) **(Ger)**

[Results of long-term treatment of glaucoma with timolol

ophthalmic solution (author's transl)] Merté HJ, et al. **Klin Monatsbl Augenheilkd** 1980 Nov;177(5):562–71 (Eng. Abstr.) **(Ger)**

[Tachyphylaxis in timolol therapy for chronic glaucoma (author's transl)] Oksala A, et al. **Klin Monatsbl Augenheilkd** 1980 Oct;177(4):451–4 (Eng. Abstr.) **(Ger)**

[Pressure-lowering effect of timolol in various forms of glaucoma (author's transl)] Steinbach PD. **Klin Monatsbl Augenheilkd** 1980 May;176(5):844–5 (Eng. Abstr.) **(Ger)**

[Timolol in the treatment of glaucoma (author's transl)] Strasser G, et al. **Klin Monatsbl Augenheilkd** 1981 Feb; 178(2):145–6 (Eng. Abstr.) **(Ger)**

[Report on the application of chibro-timoptol after one year's use in ophthalmological practice (author's transl)] Täumer R, et al. **Klin Monatsbl Augenheilkd** 1980 Sep;177(3):384–9 (33 ref.) (Eng. Abstr.) **(Ger)**

[Effect of timolol and acetazolamide on intraocular hypertension after intracapsular lens extraction with alpha-chymotrypsin (author's transl)] Tilen A, et al. **Klin Monatsbl Augenheilkd** 1980 Apr;176(4):558–60 (Eng. Abstr.) **(Ger)**

[Timolol eyedrops in ophthalmological practice] Widder W. **Klin Monatsbl Augenheilkd** 1980 Mar;176(3):430–40 (Eng. Abstr.) **(Ger)**

[Clinical experience in treatment of glaucoma with timolol (author's transl)] Wutz W, et al. **Klin Monatsbl Augenheilkd** 1980 Feb;176(2):302–6 (Eng. Abstr.) **(Ger)**

[Lowering the heart rate in tachycardiac atrial fibrillation by beta receptor blockade] Horn HG, et al. **Med Klin** 1980 Sep 26;75(20):721–5 (Eng. Abstr.) **(Ger)**

[Driving behavior of cardiovascular patients as affected by beta receptor blockers] Schmidt U, et al. **Med Klin** 1980 Dec 19;75(26):913–6 (Eng. Abstr.) **(Ger)**

[Role of calcium antagonists in therapy of coronary heart disease. Experimental report on the calcium antagonist fendiline, and the beta receptor blockader metoprolol] Ardjah H. **Med Welt** 1980 Sep 12;31(37):1326–30 **(Ger)**

[Hypertension treatment in the practice. Study with the beta receptor blocker bupranolol] Schrey A. **Med Welt** 1981 Jan 9;32(2):58–62 **(Ger)**

[Beta-blocker monotherapy in hypertension. A clinical study] Schrey A, et al. **Med Welt** 1981 Apr 3;32(14):468–72 **(Ger)**

[Hypertension treatment with beta blockers and diuretics. Treatment with a combination of bemetizid, triamterene and bupranolol] Schrey A. **Med Welt** 1981 Jun 12; 32(24):985–7 **(Ger)**

[Effect of isosorbide-5-mononitrate, metipranolol and a combination of the two in experimental myocardial ischemia in the awake dog] Sponer G, et al. **Med Welt** 1981 Apr 7;32(14A):492–6 **(Ger)**

[Timolol reduces mortality and reinfarct in patients surviving an acute myocardial infarct. The Norwegian Multicenter Study Group] **MMW** 1981 May 29;123(22):929–38 (Eng. Abstr.) **(Ger)**

[Treatment of hypertension with tenormin 100 (atenolol). A general practice study (author's transl)] Hiemstra S, et al. **MMW** 1980 Dec 5;122(49):1777–80 (Eng. Abstr.) **(Ger)**

[Combination of beta-receptor blocking agents and saluretica in outpatient treatment of hypertension. Results of a comparative study (author's transl)] Hoffmann J, et al. **MMW** 1981 Mar 20;123(12):483–8 (Eng. Abstr.) **(Ger)**

[beta-Receptor blockers in the early stage of myocardial infarction with left ventricular failure (author's transl)] Jentsch G. **MMW** 1981 Mar 13;123(11):425–8 (Eng. Abstr.) **(Ger)**

[Daily profile of pulse rate and blood pressure. Use of betablocker-diuretic combination (author's transl)] Kirchhoff HW. **MMW** 1981 Jan 23;123(4):124–8 (Eng. Abstr.) **(Ger)**

[Field trial with a new betablocker (Solgol)] Piergies A, et al. **MMW** 1980 Oct 17;122(42):1473–6 (Eng. Abstr.) **(Ger)**

[Treatment of chronic anxiety by behaviour therapy and with beta-blocking agents – an empirical study (author's transl)] Butollo W. **Psychother Psychosom Med Psychol** 1981 Mar; 31(2):53–7 (Eng. Abstr.) **(Ger)**

[Advantages of hypertension therapy with the once daily administration of a combination of beta-blocker and diuretic. Experiences with the self-measurement of blood pressure] Teufel W, et al. **Ther Ggw** 1981 May; 120(5):470–85 **(Ger)**

[201-thallium stress scintigram in patients with coronary artery disease after administration of the cardioselective betablocker atenolol (author's transl)] Chlup J, et al. **Z Kardiol** 1981 Jun;70(6):450–4 (Eng. Abstr.) **(Ger)**

[Atenolol in the treatment of premature ventricular contractions. A double blind study in 68 patients (author's transl)] Körst HA, et al. **Z Kardiol** 1981 May;70(5):419–24 (Eng. Abstr.) **(Ger)**

[The new beta blocker Betapressin. Long-term experience in hypertensive patients in ambulatory care] Dameris W. **ZFA (Stuttgart)** 1981 Mar 20;57(8):628–32 **(Ger)**

[Patient compliance with a free and fixed combination of isosorbide dinitrate and bupranolol] Gill E, et al. **ZFA (Stuttgart)** 1980 May 20;56(14):1037–44 **(Ger)**

[The treatment of hypertension with bupranolol. Results of a daily dosage administration schedule] Grund R, et al. **ZFA (Stuttgart)** 1981 Mar 20;57(8):621–7 **(Ger)**

[Treatment of high blood pressure with Betadrenol 100. Results of a clinical study] Malig W, et al. **ZFA (Stuttgart)** 1980 Oct 31;56(30):2047–52 **(Ger)**

[Beta-mimetic and anabolic drugs in the therapy of experimental placental lesions] Garzetti GG, et al. **Ann Ostet Ginecol Med Perinat** 1980 Jul-Aug;101(4):244–8 (Eng. Abstr.) **(Ita)**

[Comparative study with computerized analysis of the effects of amiodarone and atenolol on the R-R intervals in patients with stabilized atrial fibrillation] Bracchetti D, et al. **Boll Soc Ital Cardiol** 1978;23(9):1591–6 **(Ita)**

[Evaluation of the electrophysiological properties of atenolol and of the combination of quinidine and atenolol in humans] Capucci A, et al. **Boll Soc Ital Cardiol** 1979;24(10):1059–64 **(Ita)**

[Efficacy of a new beta-blocking drug (atenolol, ICI 66082) in treating arterial hypertension] Cerasola GA, et al. **Boll Soc Ital Cardiol** 1979;24(5):493–500 (Eng. Abstr.) **(Ita)**

[Comparative study of the anti-angina effectiveness of nadolol and propranolol] Cremonesi A, et al. **Boll Soc Ital Cardiol** 1979;24(7):741–5 **(Ita)**

[Therapeutic use of a new vasoactive drug in cerebral vascular diseases in elderly patients] Petronio G, et al. **Clin Ter** 1980 Aug 31;94(4):427–44 (Eng. Abstr.) **(Ita)**

[Atenolol in essential arterial hypertension: clinical experience] Pieri R, et al. **Clin Ter** 1981 May 31; 97(4):395–404 **(Ita)**

[Effects of metoprolol on myocardial performance in hypertensive patients during exercise (author's transl)] Ferro G, et al. **G Ital Cardiol** 1980;10(9):1171–8 (Eng. Abstr.) **(Ita)**

[Metoprolol effect on ECG exercise test in patients with stable angina pectoris. Computer analysis (author's transl)] Manca C, et al. **G Ital Cardiol** 1979;9(10):1104–9 (Eng. Abstr.) **(Ita)**

[A comparative evaluation of metoprolol and methyldopa in hypertension therapy (author's transl)] Muiesan G, et al. **G Ital Cardiol** 1980;10(11):1482–90 (Eng. Abstr.) **(Ita)**

[Short-term effects of a treatment with methoprolol (a selective beta 1-blocking agent) in essential hypertension. Changes of haemodynamics, renin, aldosterone, sodium and potassium balance (author's transl)] Novarini A, et al. **G Ital Cardiol** 1979;9(11):1259–67 (Eng. Abstr.) **(Ita)**

[Dioodobufenine in the treatment of essential arterial hypertension] Paladini G, et al. **Minerva Cardioangiol** 1980 May;28(5):303–8 (Eng. Abstr.) **(Ita)**

[Timolol ophthalmic solution for the treatment of glaucoma (author's transl)] Hasegawa E, et al. **Nippon Ganka Gakkai Zasshi** 1980 Sep 10;84(9):1385–92 (Eng. Abstr.) **(Jpn)**

[Effects of beta-blocking agent carteolol on healthy volunteers and glaucoma patients (author's transl)] Negishi C, et al. **Nippon Ganka Gakkai Zasshi** 1981 Jan;85(1):57–66 (Eng. Abstr.) **(Jpn)**

[Studies on the treatment of glaucomatous eyes with carteolol ophthalmic solution (author's transl)] Negishi C, et al. **Nippon Ganka Gakkai Zasshi** 1981 May 10;85(5):337–41 (Eng. Abstr.) **(Jpn)**

[Clinical trial of timolol maleate ophthalmic solution for glaucoma (author's transl)] Shiose Y. **Nippon Ganka Gakkai Zasshi** 1980 Sep 10;84(9):1393–8 (Eng. Abstr.) **(Jpn)**

[Protective effect of suloctidil against cerebral hypoxia (author's transl)] Hori N, et al. **Nippon Yakurigaku Zasshi** 1980 Oct;76(7):655–65 (Eng. Abstr.) **(Jpn)**

[Timolol treatment routine after myocardial infarction?] Bjerkelund C. **Tidsskr Nor Laegeforen** 1981 May; 101(15):965–6 (Eng. Abstr.) **(Nor)**

[Experiences with timolol use in cases of glaucoma (author's transl)] Bartkowska-Orlowska M, et al. **Klin Oczna** 1981; 83(2):113–5 (Eng. Abstr.) **(Pol)**

[Timolol in the treatment of glaucoma (author's transl)] Goś R. **Klin Oczna** 1981 Jan;83(1):15–6 (Eng. Abstr.) **(Pol)**

[Evaluation of hypotensive effect of nadolol] Cybulska I, et al. **Pol Arch Med Wewn** 1980 Dec;64(6):475–80 (Eng. Abstr.) **(Pol)**

[Clinical evaluation of nadolol in coronary disease] Krotkiewski A, et al. **Pol Tyg Lek** 1980 Jun 2;35(22):833–6 (Eng. Abstr.) **(Pol)**

[Metipranolol in the treatment of glaucoma. Introductory clinical study (author's transl)] Dienstbier E, et al. **Cesk Oftalmol** 1981 Jan;37(1):5–12 (Eng. Abstr.) **(Slo)**

[Paradoxical correlation between plasma renin activity and hypotensive effect of beta-adrenergic blocking (author's transl)] Ocón Pujadas J, et al. **Med Clin (Barc)** 1980 Sep 10;75(4):145–50 (Eng. Abstr.) **(Spa)**

[Plasma renin activity, arterial blood pressure and response to beta-adrenergic blockade: a non-demostrated correlation. Practical view points (author's transl)] Ocón Pujadas J, et al. **Med Clin (Barc)** 1980 Sep 25;75(5):190–5 (Eng. Abstr.) **(Spa)**

[Metoprolol in the treatment of essential hypertension (author's transl)] Salgueiro Rodríguez M, et al. **Med Clin (Barc)** 1981 Feb 10;76(3):121–4 (Eng. Abstr.) **(Spa)**

URINE

Urinary metabolites of timolol from humans and laboratory animals. Syntheses and beta-adrenergic blocking activities. Wasson BK, et al. **J Med Chem** 1980 Nov;23(11):1178–84

PROPANTHELINE

ADMINISTRATION & DOSAGE

[Pharmacological treatment of unstable neurogenic bladder] Moriel EZ, et al. **Harefuah** 1981 Jan 15;100(2):71–3 (Eng. Abstr.) **(Heb)**

PHARMACODYNAMICS

The effect of antacid, metoclopramide, and propantheline on the bioavailability of metoprolol and atenolol. Regårdh CG, et al. **Biopharm Drug Dispos** 1981 Jan-Mar;2(1):79–87

Facilitation of recovery by propantheline bromide after lateral hypothalamic damage. Grijalva CV, et al. **Brain Res Bull** 1980 Sep-Oct;5(5):525–9

THERAPEUTIC USE

The effect of cimetidine and propantheline on the symptoms of a patient with systemic mastocytosis. Achord JL, et al. **Am J Med** 1980 Oct;69(4):610–4

The management of Shy-Drager syndrome with propantheline and intermittent self-catheterization: a case report. Wulfsohn MA, et al. **J Urol** 1981 Jul;126(1):122–3

Gastric cytoprotection by prostaglandins, ranitidine, and probanthine in rats. Role of endogenous prostaglandins. Konturek SJ, et al. **Scand J Gastroenterol** 1981;16(1):7–12

[The association of lexotan + propantheline in the treatment of functional gastrointestinal disorders. Controlled clinical study] Riva D, et al. **Arch Sci Med (Torino)** 1980 Jul-Sep; 137(3):461–6 **(Ita)**

[Trithiozine versus propantheline in the therapy of gastric ulcer: double-blind clinical studies] Marini U, et al. **Clin Ter** 1980 Feb 29;92(4):399–408 (Eng. Abstr.) **(Ita)**

[Primary enuresis: urodynamic evaluation for prognostic and therapeutic purposes] Conejero Sugrañes J, et al. **Actas Urol Esp** 1980 Nov-Dec;4(6):311–4 (Eng. Abstr.) **(Spa)**

PROPAZEPINE see under **DIBENZAZEPINES**

PROPAZINE see under **TRIAZINES**

PROPERDIN

DEFICIENCY

Partial properdin deficiency. Davis CA, et al. **J Lab Clin Med** 1980 Oct;96(4):633–9

HISTORY

A war with the molecules: Louis Pillemer and the history of properdin. Ratnoff WD. **Perspect Biol Med** 1980 Summer;23(4):638–57

METABOLISM

[Serum levels of properdin, complement and thiocyanate during sodium thiocyanate administration] Weuffen W, et al. **Z Gesamte Hyg** 1980;26(10):724–5 (Eng. Abstr.) **(Ger)**

PROPERDIN FACTOR B see under **ENZYME PRECURSORS**

PROPERDIN FACTOR D see under **COMPLEMENT ACTIVATING ENZYMES**

PROPHAGE INTEGRATION see **LYSOGENY**

PROPHAM see under **HERBICIDES, CARBAMATE**

PROPHASE

Histone H1 from prophase aggregates DNA better than histone H1 from S phase. Corbett S, et al. **Exp Cell Res** 1980 Jul;128(1):127–32

Adaptive advantage for chiasma interference: a novel suggestion. Maguire MP. **Heredity (Edinburgh)** 1980 Aug; 45(1):127–31

Mid-prophase human chromosomes. The attainment of 2000 bands. Yunis JJ. **Hum Genet** 1981;56(3):293–8

DRUG EFFECTS

Carbachol and insulin as prophase-inducing factors for myeloid cells in vitro. Godlewski A, et al. **Folia Morphol (Praha)** 1980;28(3):312–4

PROPHENIRAMINE see **PHENIRAMINE**

PROPHENPYRIDAMINE see **PHENIRAMINE**

PROPIDIUM see under **PHENANTHRIDINES**

PROPIOLACTONE see under **LACTONES**

PROPIONATES

Fenbufen. **Arzneimittelforsch** 1980;30(4A):693–746

Chemical preservation of stored agricultural crops. Drysdale AD. **Prog Food Nutr Sci** 1980;4(3-4):97–102

[Scientific symposium on fenofibrate. Dijon, March 8, 1980] **Nouv Presse Med** 1980 Dec 22;9(49):3717–73 **(Fre)**

ADMINISTRATION & DOSAGE

Effect of three dosage schedules of flurbiprofen on platelet function and coagulation. Gupta KC, et al. **Indian J Med Res** 1980 Sep;72:434–40

Report on a double-blind, proctoscopic and clinical comparison of flurbiprofen suppositories and indomethacin suppositories, in osteoarthrosis. Perolo A, et al. **Panminerva Med** 1979 Oct–Dec;21(4):181–9

A double-blind, proctoscopic and clinical comparison of flurbiprofen suppositories and ibuprofen suppositories in osteoarthrosis. Rizzi B, et al. **Panminerva Med** 1979 Oct–Dec;21(4):173–80

ADVERSE EFFECTS

Toxic optic neuropathy caused by benoxaprofen. Dodd MJ, et al. **Br Med J [Clin Res]** 1981 Jul 18;283(6285):193–4

Association between Stevens-Johnson syndrome and benoxaprofen [letter] Morgan SH, et al. **Br Med J [Clin Res]** 1981 Jul 11;283(6248):144

Fenbufen-induced erythema multiforme. Peacock A, et al. **Br Med J [Clin Res]** 1981 Aug 29;283(6291):582

Association between Stevens-Johnson syndrome and benoxaprofen. Taylor AE, et al. **Br Med J [Clin Res]** 1981 May 2;282(6274):1433

Nafenopin. **IARC Monogr Eval Carcinog Risk Chem Hum** 1980;24:125–33 (98 ref.)

Gastroscopic evaluation of the effect of aspirin and oxaprozin on the gastric mucosa. Lanza FL, et al. **J Clin Pharmacol** 1981 Apr;21(4):157–61

Transient neutropenia due to benoxaprofen [letter] Essigman WK, et al. **Lancet** 1980 Dec 20–27;2(8208–8209):1383–4

[Fenofibrate: animal toxicology in relation to side-effects in man (author's transl)] Blane GF, et al. **Nouv Presse Med** 1980 Dec 22;9(49):3737–46 (Eng. Abstr.) **(Fre)**

[Hepatitis caused by procetofen (letter)] Vachon JM. **Nouv Presse Med** 1980 Oct 11;9(37):2740 **(Fre)**

[Drug-induced hepatitis due to fenofibrate] Couzigou P, et al. **Therapie** 1980 May–Jun;35(3):403 **(Fre)**

[Photosensitization by Benoxaprofen (author's transl)] Wiskemann A. **Arzneimittelforsch** 1981;31(4):730–2 (Eng. Abstr.) **(Ger)**

[Endoscopic and histological study of the gastric injury effects of an anti-inflammatory derivative, flurbiprofen (Froben)] Celli L, et al. **Minerva Dietol Gastroenterol** 1979 Oct–Dec;25(4):385–90 (Eng. Abstr.) **(Ita)**

BIOSYNTHESIS

Acid formation by mixed cultures of dental plaque bacteria Actinomyces and Veillonella. Distler W, et al. **Arch Oral Biol** 1981;26(2):123–6

Deuterium-isotope effect in the biotransformation of 4-ethynylbiphenyls to 4-biphenylylacetic acids by rat hepatic microsomes. McMahon RE, et al. **Biochem Biophys Res Commun** 1981 Mar 31;99(2):662–7

BLOOD

Effects of somatostatin and glucagon on the utilization of [2-(14)C]propionate in glucose production in vivo in sheep. Brockman RP, et al. **Aust J Biol Sci** 1980 Aug;33(4):457–64

Pitfalls in the prenatal diagnosis of propionic acidemia. Buchanan PD, et al. **Clin Genet** 1980 Sep;18(3):177–83

Determination of flurbiprofen in human plasma using gas chromatography-mass spectrometry with selected ion monitoring. Kawahara K, et al. **J Chromatogr** 1981 Apr 10;223(1):202–7

Antenatal diagnosis of propionic acidaemia by methylcitrate determination. Dhondt JL, et al. **J Inherited Metab Dis** 1981;4(2):49–50

Combined iminoglycinuria and cystine- and dibasic aminoaciduria in patients with propionic acidaemia and 3-methylcrotonylglycinuria. Purkiss P, et al. **J Inherited Metab Dis** 1980;3(3):85–6

Valproate in the treatment of seizures associated with propionic acidemia [letter] Wolf B, et al. **Pediatrics** 1981 Jan;67(1):162–3

[Propionicacidemia. A report on two cases (author's transl)] Costil J, et al. **Ann Pediatr (Paris)** 1979 May;26(5):283–8 (Eng. Abstr.) **(Fre)**

CHEMICAL SYNTHESIS

[Fenofibrate: chemical development and differences with clofibrate (author's transl)] Boucherle A. **Nouv Presse Med** 1980 Dec 22;9(49):3721–3 (Eng. Abstr.) **(Fre)**

METABOLISM

Phosphorylation associated with succinate decarboxylation to propionate in Ascaris mitochondria. Saz HJ, et al. **Arch Biochem Biophys** 1980 Jul;202(2):388–95

Metabolic and pharmacokinetic studies with fenbufen in man. Chiccarelli FS, et al. **Arzneimittelforsch** 1980;30(4A):728–35

Disposition and metabolism of fenbufen in several laboratory animals. Chiccarelli FS, et al. **Arzneimittelforsch** 1980; 30(4A):707–15

Stereospecific inversion of configuration of 2-(2-isopropylindan-5-yl)-propionic acid in rats. Tanaka Y, et al. **Chem Pharm Bull (Tokyo)** 1980 Aug;28(8):2542–5

Prenatal detection of defects in propionate metabolism. Wendel U. **Clin Chim Acta** 1980 Dec 22;108(3):475–7

Kinetics of single doses of fenbufen in patients with renal insufficiency. Rogers HJ, et al. **Clin Pharmacol Ther** 1981 Jan;29(1):74–80

Pharmacokinetics of 2-(p-methylallylaminophenyl) propionic acid, alminoprofene, in man after single and multiple oral doses. Premel-Cabic A, et al. **Eur J Clin Pharmacol** 1980 Nov;18(5):419–22

Stereospecific inversion of (R)-(−)-benoxaprofen in rat and man. Simmonds RG, et al. **Eur J Drug Metab Pharmacokinet** 1980;5(3):169–72

Isolation and genetic characterization of Escherichia coli mutants defective in propionate metabolism. Spratt SK, et al. **J Bacteriol** 1981 Jun;146(3):1166–9

Mammary extraction of propionate in lactating cows. Williams JA, et al. **J Dairy Sci** 1980 Dec;63(12):1999–2005

Influence of ration physical form, ruminal degradable nitrogen and age on rumen epithelial propionate and acetate transport and some enzymatic activities. Nocek JE, et al. **J Nutr** 1980 Dec;110(12):2355–64

Bioavailability of orally administered propiram fumarate in humans. Korduba CA, et al. **J Pharm Sci** 1981 May; 70(5):521–3

Succinate decarboxylation to propionate and the associated phosphorylation in Fasciola hepatica and Spirometra mansonoides. Pietrzak SM, et al. **Mol Biochem Parasitol** 1981 May;3(1):61–70

Metabolic abnormalities observed in the rat after administration of sodium dipropylacetate. Cherruau B, et al. **Toxicol Lett** 1981 Apr;8(1–2):39–42

Lack of covalent binding to rat liver DNA of the hypolipidemic drugs clofibrate and fenofibrate. von Däniken A, et al. **Toxicol Lett** 1981 Feb;7(4–5):305–10

[Metabolism of fenofibrate and fenofibric acid in vivo and in cultures of liver epithelial cells (author's transl)] Dulery B, et al. **Nouv Presse Med** 1980 Dec 22;9(49):3729–32 (Eng. Abstr.) **(Fre)**

[Pharmacokinetics of fenofibrate in man (author's transl)] Harvengt C, et al. **Nouv Presse Med** 1980 Dec 22; 9(49):3725–7 (Eng. Abstr.) **(Fre)**

[Comparative study of alminoprofene elimination in healthy subjects and in patients with renal or hepatic insufficiency (author's transl)] Premel-Cabic A, et al. **Therapie** 1981 Jan–Feb;36(1):41–6 (Eng. Abstr.) **(Fre)**

[On the pharmacokinetics of tiaprofenic acid and its possible interactions with acetylsalicylic acid and aluminum hydroxide (author's transl)] Mareček N, et al. **Arzneimittelforsch** 1981;31(1):116–20 (Eng. Abstr.) **(Ger)**

[Propionate metabolism of Ectothiorhodospira shaposhnikovii during growth in the dark] Zakharchuk LM, et al. **Mikrobiologiia** 1980 Sep–Oct;49(5):669–76 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Topical flurbiprofen or prednisolone. Effect on corneal wound healing in rabbits. Miller D, et al. **Arch Ophthalmol** 1981 Apr;99(4):681–2

Lowering effect of fenofibrate (procetofene) on lipoproteins in different types of hyperlipoproteinemias. Canzler H, et al. **Artery** 1980;8(2):171–8

Hypolipidemic and hypouricemic action of fenofibrate in various types of hyperlipoproteinemias. Harvengt C, et al. **Artery** 1980;7(1):73–82

The effect of etofibrate retard, bezafibrate and procetofen. Luley C, et al. **Artery** 1980;8(2):128–33

A new non-steroidal anti-inflammatory analgesic: gamma-oxo (1,1'-biphenyl)-4-butanoic acid (fenbufen). Chemistry and activity of analogs. Child RG, et al. **Arzneimittelforsch** 1980;30(4A):695–702

Pharmacological properties of a new anti-inflammatory agent: 2-(2-isopropyl-5-indanyl)propionic acid (UP 517-03). Hertz F, et al. **Arzneimittelforsch** 1980; 30(9):1549–57

A review of the effects of fenbufen and a metabolite, biphenylacetic acid, on platelet biochemistry and function. Kohler C, et al. **Arzneimittelforsch** 1980;30(4A):702–7 (33 ref.)

The action of non-steroidal antiinflammatory agents on platelet aggregation and vessel tone in relation to inhibition of PGI2- and thromboxane-release. With particular reference to 5-benzoyl-alpha-methyl-2-thiophene acetic acid (tiaprofenic acid). Kuhn A, et al. **Arzneimittelforsch** 1980;30(9):1538–42

The pharmacological properties of fenbufen. A review. Sloboda AE, et al. **Arzneimittelforsch** 1980;30(4A):716–21 (26 ref.)

Tolerability of ibuprofen and flurbiprofen in G-6-PD deficient subjects: in vitro study. Sheth UK, et al. **Br J Clin Pharmacol** 1981 Mar;11(3):251–3

Esters of phosphonopropionic and phosphonoacetic acids: effect on synthesis of Epstein-Barr virus (EBV) antigens and on transformation of cord blood lymphocytes by EBV. Margalith M, et al. **Cancer Biochem Biophys** 1980; 4(3):137–43

Effects of two nonsteroidal anti-inflammatory drugs, indomethacin and oxaprozin, on the kidney. Mitnick PD, et al. **Clin Pharmacol Ther** 1980 Nov;28(5):680–9

Propionate enhancement of acetoacetate oxidation in perfused rat hearts. Revsin-Lanier B, et al. **Clin Sci** 1980 Oct;59(4):289–92

Devitalization of salmonellae in fish meals with propionic acid. Rejholec J. **Comp Immunol Microbiol Infect Dis** 1980; 3(4):501–8

Fenbufen: a review of its pharmacological properties and therapeutic use in rheumatic diseases and acute pain. Brogden RN, et al. **Drugs** 1981 Jan;21(1):1–22 (80 ref.)

Butyrate and propionate: important components of toxic dental plaque extracts. Singer RE, et al. **Infect Immun** 1981 May;32(2):458–63

Uricosuric effect of fenofibrate in healthy volunteers. Desager JP, et al. **J Clin Pharmacol** 1980 Oct;20(10):560–4

Effects of intravenous infusions of glucose, lactate, propionate or acetate on the induction of lipogenesis in bovine adipose tissue. Prior RL, et al. **J Nutr** 1980 Oct; 110(10):2011–9

Inhibition of the release of slow-reacting substance of anaphylaxis by inhibitors of lipoxygenase activity. Walker JR, et al. **J Pharm Pharmacol** 1980 Dec;32(12):866–7

Sodium 2-chloropropionate: its effects on experimental hyperlactatemia in the dog. Ribes G, et al. **J Pharmacol Exp Ther** 1981 Jan;216(1):172–5

The stimulation of pyruvate appearance in the rabbit oviduct lumen by sodium propionate. Leese HJ. **J Reprod Fertil** 1980 Jul;59(2):421–4

Plasma lipid concentrations and lecithin:cholesterol acyltransferase activity in normolipidemic subjects given fenofibrate and colestipol. Heller FR, et al. **Metabolism** 1981 Jan;30(1):67–71

Ascorbate-cyanide test on red blood cells in uremia: effect of guanidinopropionic acid. Kamoun PP, et al. **Nephron** 1981;28(1):26–9

The control of bacterial contamination in carcass meal with propionic acid. van Staden JJ, et al. **Onderstepoort J Vet Res** 1980 Jun;47(2):77–82

Propionate inhibition of succinate:CoA ligase (GDP) and the citric acid cycle in mitochondria. Stumpf DA, et al. **Pediatr Res** 1980 Oct;14(10):1127–31

Fenbufen and biphenylacetic acid inhibit platelet function and the arachidonate prostaglandin system. Kohler C, et al. **Thromb Res** 1980 Oct 1;20(1):123–35

[Effects of dichloroacetate and 2-chloropropionate on carbohydrate metabolism of isolated hepatocytes. Therapeutic applications] Leroux JP, et al. **C R Soc Biol (Paris)** 1980;174(4):506–16 (Eng. Abstr.) **(Fre)**

[Comparative study of the effects of probucol, fenofibrate and clofibrate on liver ultrastructure in rats (author's transl)] Barnard SD, et al. **Nouv Presse Med** 1980 Oct 30; 9(40):3005–7 (Eng. Abstr.) **(Fre)**

[Pharmacology of fenofibrate (author's transl)] Kritchevsky D. **Nouv Presse Med** 1980 Dec 22;9(49):3769–73 (Eng. Abstr.) **(Fre)**

[Influence of fenofibrate on blood platelet functions (author's transl)] Renaud S, et al. **Nouv Presse Med** 1980 Dec 22; 9(49):3763–7 (Eng. Abstr.) **(Fre)**

[How does fenofibrate exert its cholesterol-lowering effect? (author's transl)] Wülfert E. **Nouv Presse Med** 1980 Dec 22;9(49):3733–6 (Eng. Abstr.) **(Fre)**

[Effect of procetofen on lipoproteins and blood lipids in patients with hyperlipemia (letter)] Abaurre R, et al. **Medicina (B Aires)** 1980 Nov–Dec;40(6 Pt 2):896 **(Spa)**

STANDARDS

[Studies on the quality of the antitussive drug Kebiding (4-morpholino-ethyl ester of 2-methyl-2-phenoxy-propanoic acid hydrochloride) (author's transl)] Li ZS, et al. **Yao Hsueh Hsueh Pao** 1980 Oct;15(10):620–4 (Eng. Abstr.) **(Chi)**

THERAPEUTIC USE

A comparison of fenofibrate and clofibrate hypolipidemic effects. Daubresse JC. **Acta Clin Belg** 1980;35(4):227–32

Double blind cross-over trial comparing fenbufen and acetylsalicylic acid in rheumatoid arthritis. Anderson LG, et al. **Arzneimittelforsch** 1980;30(4A):735–9

A survey of clinical trials with fenbufen. Mawdsley P. **Arzneimittelforsch** 1980;30(4A):740–6

Fenofibrate therapy of hyperlipoproteinaemia. A dose-response study and a comparison with clofibrate. Rössner S, et al. **Atherosclerosis** 1981 Feb–Mar; 38(3–4):273–82

Flurbiprofen in the management of dysmenorrhoea. Pogmore JR, et al. **Br J Obstet Gynaecol** 1980 Apr;87(4):326–9

Demonstration of lateral and epicardial border zone salvage by flurbiprofen using an in vivo method for assessing myocardium at risk. Darsee JR, et al. **Circulation** 1981 Jan; 63(1):29–35

Biological variations in hyperlipidemic children and adolescents treated with fenofibrate. Steinmetz J, et al. **Clin Chim Acta** 1981 Apr 27;112(1):43–53

Pirifibrate in the treatment of hyperlipoproteinemias: a multicenter study. Domingo AJ, et al. **Clin Ther** 1980; 3(3):219–26

Treatment of rheumatoid arthritis with flurbiprofen: a comparison with enteric-coated aspirin. Dequeker J, et al. **Curr Med Res Opin** 1981;7(7):418–22

Propiram and codeine in episiotomy pain. Bloomfield SS, et al. **Int J Clin Pharmacol Ther Toxicol** 1981 Apr; 19(4):152–7

Analgesic comparison of propiram fumarate with pentazocine, codeine, and placebo in postsurgical pain.

Finch JS. **J Clin Pharmacol** 1980 Nov-Dec; 20(11-12):689-92

Fenbufen, a new non-steroidal anti-inflammatory agent in rheumatoid arthritis, its efficacy and toxicity. Becker A, et al. **J Int Med Res** 1980;8(5):333-8

A comparative double-blind study of tiaprofenic acid and aspirin in the treatment of muscular rheumatism, fibrositis, sprains and soft tissue injuries in general practice. Donald JF, et al. **J Int Med Res** 1980;8(6):382-7

A comparison of flurbiprofen with naproxen in ankylosing spondylitis. Burry HC, et al. **NZ Med J** 1980 Oct 22; 92(670):309-11

A comparative trial of tiaprofenic acid ('Surgam') versus aspirin in the control of pain following injury. Cutting CJ, et al. **Pharmatherapeutica** 1981;2(8):509-12

Prostaglandin synthesis inhibitors in ulcerative colitis: flurbiprofen compared with conventional treatment. Rampton DS, et al. **Prostaglandins** 1981 Mar;21(3):417-25

The anti-inflammatory and pharmacological effects of topically applied flurbiprofen on human skin 24 hours after ultraviolet B irradiation. Black AK, et al. **Prostaglandins Med** 1980 Nov;5(5):405-13

[Clinical study of fenofibrate in hyperlipoproteinemias] Ducobu J. **Acta Clin Belg** 1980;35(3):148-54 (Eng. Abstr.) **(Fre)**

[Behavior disorders in psychiatry. A therapeutic approach] Duché DJ. **Neuropsychiatr Enfance Adolesc** 1980 Sep; 28(9):427-9 **(Fre)**

[One year fenofibrate treatment of type II primary hyperlipidaemia. Effects on lipoproteins and biological tolerance (author's transl)] Drouin P, et al. **Nouv Presse Med** 1980 Dec 22;9(49):3753-7 (Eng. Abstr.) **(Fre)**

[Effects of fenofibrate in four types of hyperlipoproteinaemia and on apoproteins A and B in type IIa HLP (author's transl)] Micheli H, et al. **Nouv Presse Med** 1980 Dec 22; 9(49):3759-62 (Eng. Abstr.) **(Fre)**

[Fenofibrate: hypolipaemic activity and safety in long-term treatment. Effects on HDL, LDL, VLDL and apoprotein B in short-term treatment (author's transl)] Rouffy J, et al. **Nouv Presse Med** 1980 Dec 22;9(49):3747-51 (Eng. Abstr.) **(Fre)**

[Benoxaprofene: pharmacokinetic profile in the normal subject and patients with renal insufficiency; evaluation of anticipated serum levels] Brogard JM, et al. **Schweiz Med Wochenschr** 1981 Feb 7;111(6):197-201 (Eng. Abstr.) **(Fre)**

[Comparative research on etofibrate retard and fenofibrate in hyperlipoproteinemia] Schwartzkopff W, et al. **Med Welt** 1980 Dec 12;31(50):1845-50 **(Ger)**

[Open clinical study of the use of 3-(4-biphenylcarbonyl) propionic acid in rheumatoid arthritis and arthrosis] Accardo S, et al. **Clin Ter** 1981 Jan 15;96(1):55-65 (Eng. Abstr.) **(Ita)**

[Long-term comparative study of fenbufen and aspirin in patients with rheumatoid arthritis] Soldati R, et al. **Clin Ter** 1980 Feb 29;92(4):417-32 (Eng. Abstr.) **(Ita)**

[Clinical study of long term administration of fenbufen in rheumatoid arthritis] Soldati R, et al. **Clin Ter** 1980 Aug 31;94(4):445-59 (Eng. Abstr.) **(Ita)**

TOXICITY

Toxicology studies of fenbufen. Bolte HF, et al. **Arzneimittelforsch** 1980;30(4A):721-5

Reproductive toxicology of fenbufen. Jackson BA, et al. **Arzneimittelforsch** 1980;30(4A):725-8

[Chemical structure and toxicodynamic properties of phenoxycarboxylic acid derivatives. I. Acute toxicity and cumulation coefficient] Seńczuk W, et al. **Rocz Panstw Zakl Hig** 1980;31(4):373-7 (Eng. Abstr.) **(Pol)**

URINE

[Propionic acidemia associated with hypertrophic pyloric stenosis and bouts of severe hyperglycemia (author's transl)] Lehnert W, et al. **Monatsschr Kinderheilkd** 1980 Nov;128(11):720-3 (Eng. Abstr.) **(Ger)**

PROPIONIBACTERIACEAE

CLASSIFICATION

Taxonomy and clinical significance of Actinomycetaceae and Propionibacteriaceae. Schaal KP, et al. **Infection** 1980;8 Suppl 2:S122-30 (89 ref.)

[A definitive identification method: gas-liquid chromatography] Boniforti L, et al. **Ann Ist Super Sanita** 1979;15(1):95-103 (Eng. Abstr.) **(Ita)**

PROPIONIBACTERIUM

Postirradiation recovery of hemopoiesis in mice treated with Propionibacterium granulosum. Lipski S, et al. **Exp Pathol** 1981;19(3):179-85

Recovery of hemopoiesis in lethally irradiated mice after treatment with propionibacteria. Roszkowski W, et al. **Strahlentherapie** 1980;156(10):729-33

Protection and therapy of mice with acute and chronic experimental virus infections with propionibacterium granulosum kp-45. Szmigielski S, et al. **Zentralbl Bakteriol [A]** 1980;248(3):286-95

CLASSIFICATION

Gas-liquid chromatography of bacterial fatty acids with a fused-silica capillary column. Moss CW, et al. **J Clin Microbiol** 1980 Jul;12(1):127-30

DRUG EFFECTS

Aerobic electron transport in Propionibacterium shermanii. Effects of cyanide. Pritchard GG, et al. **Arch Microbiol** 1980 Jun;126(2):167-73

GROWTH & DEVELOPMENT

Enrichment of Propionibacterium in paddy soil by addition of various organic substances. Hayashi S, et al. **Antonie Van Leeuwenhoek** 1980;46(4):313-20

IMMUNOLOGY

Antibodies against extractable components from Propionibacterium acnes in humans with and without acne vulgaris. Dalen A, et al. **Arch Dermatol Res** 1980; 269(3):253-9

Local immunotherapy of stomach and intestinal carcinoma by Propionibacterium granulosum. Gil J, et al. **Dis Colon Rectum** 1980 Nov-Dec;23(8):536-43

The in vivo cytostatic effect induced by Propionibacterium granulosum on murine tumor cells. Janik P, et al. **J Cancer Res Clin Oncol** 1980;98(1):51-8

The correlation of susceptibility of different Propionibacterium strains to macrophage killing and antitumor activity. Roszkowski W, et al. **Med Microbiol Immunol (Berl)** 1980;169(1):1-8

Effect of three strains of propionibacteria (P. granulosum, P. avidum, P. acnes) and cell-wall preparations on lymphocytes and macrophages. Roszkowski W, et al. **Zentralbl Bakteriol [A]** 1980 Mar;246(3):393-404

Action of three species of Propionibacteria (P. granulosum, P. acnes, P. avidum) on experimental tumor systems in mice. Roszkowski W, et al. **Zentralbl Bakteriol [A]** 1980 Mar;246(3):405-14

ISOLATION & PURIFICATION

New medium for isolating propionibacteria and its application to assay of normal flora of human facial skin. Kishishita M, et al. **Appl Environ Microbiol** 1980 Dec;40(6):1100-5

Histologic observations of pleomorphic corynebacterium-like microorganisms in diabetic scleredema adultorum. Cantwell AR, et al. **Cutis** 1980 Dec; 26(6):575-83

METABOLISM

[Effect of methylation antagonists on biosynthesis of tetrapyrrole compounds by Propionibacterium shermanii] Bykhovskiĭ VIa, et al. **Prikl Biokhim Mikrobiol** 1980 Nov-Dec;16(6):862-7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Studies on Propionibacterium isolated from paddy soils. Hayashi S, et al. **Antonie Van Leeuwenhoek** 1979; 45(4):565-74

PROPIONIBACTERIUM ACNES

Labeling and distribution of technetium-99m Corynebacterium parvum as determined by whole-body imaging. Barth RF, et al. **Cancer** 1981 Jun 15;47(12):2844-9

Enhancement of the antitumor-activity of Corynebacterium parvum by appropriate adjustment of dosage schedules. Megirian R, et al. **Cancer Treat Rep** 1980 Aug-Sep; 64(8-9):915-20

Enzyme activities in spleen lymphocytes of tumor-bearing rats, and effect of Propionibacterium acnes, BCG, and toxohormone on the enzyme activities in spleen lymphocytes of rats. Taniguchi T, et al. **Cell Mol Biol** 1981; 27(1):7-14

A randomized study of adjuvant immunotherapy with levamisole and Corynebacterium parvum in operable non-small cell lung cancer. Fox RM, et al. **Int J Radiat Oncol Biol Phys** 1980 Aug;6(8):1043-5

[Histopathological aspects and macrophage reactivity in rats with Guerin's T8 viral tumor after treatment with Corynebacterium parvum] Caruso R, et al. **Arch De Vecchi Anat Patol** 1979 Mar;63(3):491-9 **(Ita)**

ANALYSIS

Prostaglandin-like substances in propionibacterium acnes. V. Activity profiles using cascade superfusion bioassay and platelet aggregation. Abrahamsson S, et al. **Experientia** 1981 Feb 15;37(2):164-6

DRUG EFFECTS

Effects of topical erythromycin on aerobic and anaerobic surface flora. Bernstein JE, et al. **Acta Derm Venereol (Stockh)** 1980;60(6):537-9

Topical antibiotics and topical antimicrobial agents in acne therapy. Leyden JJ, et al. **Acta Derm Venereol [Suppl] (Stockh)** 1980;Suppl 89:75-82

Reduction of bacterial skin flora during oral treatment of severe acne with 13-cis retinoic acid. Weissmann A, et al. **Arch Dermatol Res** 1981;270(2):179-83

Inhibition of lipase production in Propionibacterium acnes by sub-minimal-inhibitory concentrations of tetracycline and erythromycin. Webster GF, et al. **Br J Dermatol** 1981 Apr;104(4):453-7

Contribution to the interpretation of the occurrence of unsuccessful therapeutical results in acne vulgaris with topical erythromycin (Propionibact. acnes). Gloor M, et al. **Zentralbl Bakteriol [A]** 1981 Feb;248(4):502-8

[In vitro sensitivity of Corynebacterium acnes (Propionibacterium acnes) to meclocycline, clindamycin, erythromycin and neomycin] Lucca L, et al. **G Ital Chemioter** 1979 Jan-Dec;26(1-2):203-6 **(Ita)**

ENZYMOLOGY

Purification and partial characterization of an acid phosphatase (EC 3.1.3.2) produced by Propionibacterium acnes. Ingham E, et al. **J Gen Microbiol** 1980 May;118(Pt 1):59-65

Isolation, purification, and properties of neuraminidase from Propionibacterium acnes. von Nicolai H, et al. **Zentralbl Bakteriol [A]** 1980 Jun;247(1):84-94

GROWTH & DEVELOPMENT

Correlation of Propionibacterium acnes populations with the presence of triglycerides on nonhuman skin. Webster GF, et al. **Appl Environ Microbiol** 1981 May;41(5):1269-70

IMMUNOLOGY

In vitro response to Corynebacterium parvum of human effusion lymphocytes isolated from patients with malignant and benign disease. Hammerstrøm J. **Acta Pathol Microbiol Scand [C]** 1980 Aug;88(4):211-8

Factors affecting stimulation of natural cytotoxicity to a rat lymphoma by Corynebacterium parvum. Flexman JP, et al. **Br J Cancer** 1980 Jul;42(1):41-51

Effect of intravenous corynebacterium parvum on peripheral-blood effector cells of cancer patients. Gill PG, et al. **Br J Cancer** 1980 May;41(5):782-9

Effects of the Landschütz ascites carcinoma and ascitic fluid on macrophage activity in C. parvum-injected mice. McIntosh LC, et al. **Br J Cancer** 1981 Apr;43(4):496-504

Immune-complex disease in mice and humans given C. parvum. Mitcheson HD, et al. **Br J Cancer** 1980 Jul; 42(1):34-40

Delayed skin test reactivity to Propionibacterium acnes correlates with severity of inflammation in acne vulgaris. Kersey P, et al. **Br J Dermatol** 1980 Dec;103(6):651-5

Surgical adjuvant therapy of malignant melanoma with corynebacterium parvum. Hilal EY, et al. **Cancer** 1981 Jul 15;48(2):245-51

Anti-T antibody in malignant melanoma patients. Influence of response and survival following chemotherapy--changes in serum levels following C parvum, BCG immunization. Thatcher N, et al. **Cancer** 1980 Sep 15;46(6):1378-82

Effects of Corynebacterium parvum on cellular immunity of cancer patients, assayed sequentially over 63 days. Thatcher N, et al. **Cancer** 1981 Jan 15;47(2):285-90

Chemoimmunotherapy of small cell bronchogenic carcinoma with VP-16-213, ifosfamide, vincristine, adriamycin, and Corynebacterium parvum. Valdivieso M, et al. **Cancer** 1981 Jul 15;48(2):238-44

Response of lympho-hemopoietic tissue to Corynebacterium parvum by study of DNA enzymes and H3-TdR metabolism. Maruyama Y, et al. **Cancer Biochem Biophys** 1979;3(3):143-50

Comparative effects of different strains of Corynebacterium parvum on natural cell-mediated cytotoxicity. Nasrallah AG, et al. **Cancer Res** 1980 Nov;40(11):4159-64

Antitumor activity of Corynebacterium parvum and retinyl palmitate used in combination on the Lewis lung carcinoma. Pavelic ZP, et al. **Cancer Res** 1980 Dec; 40(12):4617-21

Requirements for successful immunotherapy and chemoimmunotherapy of a murine model of ovarian cancer. Vanhaelen CP, et al. **Cancer Res** 1981 Mar; 41(3):980-3

Doxorubicin, cisplatin, and Corynebacterium parvum in non-small cell bronchogenic carcinoma. Drapkin R, et al. **Cancer Treat Rep** 1980;64(12):1367-9

Suppressor T cells and suppressor macrophages induced by Corynebacterium parvum. Lichtenstein A, et al. **Cell Immunol** 1981 Mar 1;58(2):257-68

Influence of the 'Corynebacterium parvum' vaccine and stilbostat on intratesticular development of Walker 256 carcinosarcoma in hyper- or hypothyroidized Wistar rats. Zimel A, et al. **Endocrinologie** 1981 Apr-Jun;19(2):105-10

Effect of Corynebacterium parvum stimulation on granulopoiesis. Eliopoulos G, et al. **Eur J Cancer** 1980 Aug; 16(8):1093-8

The effects of Corynebacterium parvum in dogs and a study of its distribution following intravenous injection. Owen LN, et al. **Eur J Cancer** 1980 Aug;16(8):999-1005

Augmentation of natural killer cell activity in spleens of infant, aged, and low responder strain mice by Corynebacterium parvum. Gallagher MT, et al. **Exp Hematol** 1981 Feb;9(2):149-55

Inhibitory effect of Propionibacterium acnes on the growth on syngeneic tumor transplants in nude mice. Katahira SI, et al. **Fukushima J Med Sci** 1979;26(3-4):93-9

Preventive effect of Propionibacterium acnes on metastasis in mice rendered tolerant to tumor-associated

transplantation antigens. Fujiwara H, et al. **Gan** 1980 Oct; 71(5):692–8

Interferon production by Corynebacterium parvum and BCG–activated murine spleen macrophages. Neumann C, et al. **Immunobiology** 1980 Apr;157(1):12–23

BCG, Corynebacterium parvum or Mycobacterium leprae added to cultures of BCG–primed mouse spleen cells cause an enhanced primary antibody response in vitro. Brown CA, et al. **Immunology** 1981 Jan;42(1):67–73

Immunomodulation by corynebacterium parvum in two strains of guinea–pigs and the effect of cyclophosphamide. Gauthier–Rahman S. **Immunology** 1981 Jan;42(1):99–109

Non–specific inhibitory processes of immunological and mitogenic cellular responses. Liacopoulos M, et al. **Immunology** 1980 Sep;41(1):143–52

Characteristics of resistance to Listeria monocytogenes enhanced by Corynebacterium parvum in mice. Miyata H, et al. **Immunology** 1980 May;40(1):33–9

Enhanced chemiluminescence production by purified macrophage monolayers from C. parvum–treated mice. Bryant SM, et al. **Immunopharmacology** 1981 Feb; 3(1):19–29

Immunomodulation of chemically induced fibrosarcoma by Corynebacterium parvum. Gupta N, et al. **Indian J Med Res** 1980 Nov;72:688–95

Host defenses in murine malaria: nonspecific resistance to Plasmodium berghei generated in response to Mycobacterium bovis infection or Corynebacterium parvum stimulation. Murphy JR. **Infect Immun** 1981 Jul; 33(1):199–211

Trapping and killing of Candida albicans by Corynebacterium parvum–activated livers. Sawyer RT, et al. **Infect Immun** 1981 May;32(2):945–50

Protection of mice against mouse hepatitis virus by Corynebacterium parvum. Schindler L, et al. **Infect Immun** 1981 Jun;32(3):1128–31

Role of mononuclear phagocytes in decreased hepatic drug metabolism following administration of Corynebacterium parvum. Soyka LF, et al. **Int J Immunopharmacol** 1979; 1(2):101–12

Use of mini–microaggregated albumin to study reticuloendothelial system (RES) function in C. parvum–treated animals. Toki H, et al. **Int J Immunopharmacol** 1981;3(2):147–52

Corynebacterium parvum treatment of P388 tumor–bearing mice. II. Lysosomal enzyme levels associated with P388 tumor cells. Astry CL, et al. **J Immunopharmacol** 1981; 3(1):49–66

Corynebacterium parvum treatment of P388 tumor–bearing mice. I. Lysosomal enzyme levels in adherent peritoneal cells and peritoneal lavage fluid. Astry CL, et al. **J Immunopharmacol** 1981;3(1):29–47

Optimal conditions for antitumor activity of C. parvum against the ascites form of sarcoma 180. Megirian R, et al. **J Immunopharmacol** 1980;2(1):99–112

Modulation of suppressor mechanisms in allergic contact dermatitis: 1. Effect of C. parvum on the induction phase of contact allergy. Knop J, et al. **J Invest Dermatol** 1981 Mar;76(3):193–6

Proliferative glomerulonephritis in mice given intravenous Corynebacterium parvum. Uff JS, et al. **J Pathol** 1981 Feb; 133(2):89–105

Observations on the nature of the determinants in anaerobic coryneforms which produce splenomegaly. Cummins CS, et al. **J Reticuloendothel Soc** 1981 Jan;29(1):1–13

Macrophage activation and mobilization in nude mice by Corynebacterium parvum and pyran: a functional and histologic study. Stinnett JD, et al. **J Surg Oncol** 1980; 14(4):327–32

The correlation of susceptibility of different Propionibacterium strains to macrophage killing and antitumor activity. Roszkowski W, et al. **Med Microbiol Immunol (Berl)** 1980;169(1):1–8

Some 'pharmacologic' data about Corynebacterium parvum. Israel L. **Recent Results Cancer Res** 1980;75:88–91

Improved survival in severely burned animals using intravenous Corynebacterium parvum vaccine post injury. Stinnett JD, et al. **Surgery** 1981 Feb;89(2):237–42

Intrapleural immunotherapy with Corynebacterium parvum in recurrent malignant pleural effusions. Millar JW, et al. **Thorax** 1980 Nov;35(11):856–8

[Hematological observations in patients following immunostimulation through intrapleural application of Corynebacterium parvum] Karrer K, et al. **Acta Med Austriaca** 1979;6(5):209–12 (Eng. Abstr.) **(Ger)**

[Comparison of two nonspecific immune stimuli in antiblastic chemotherapy] Bianucci P, et al. **Arch Sci Med (Torino)** 1980 Jan–Mar;137(1):33–40 (Eng. Abstr.) **(Ita)**

ISOLATION & PURIFICATION

Propionibacterium acnes central nervous system shunt infection. Commercial blood culture medium–dependent isolation of the bacterium. Strand CL, et al. **Am J Clin Pathol** 1981 May;75(5):743–6

New medium for isolating propionibacteria and its application to assay of normal flora of human facial skin. Kishishita M, et al. **Appl Environ Microbiol** 1980 Dec;40(6):1100–5

METABOLISM

P. acnes and the chemistry of sebum. Schaefer H, et al. **Acta Derm Venereol [Suppl] (Stockh)** 1980;Suppl 89:23–6

Characterization of serum–independent polymorphonuclear leukocyte chemotactic factors produced by Propionibacterium acnes. Webster GF, et al. **Inflammation** 1980 Sep;4(3):261–9

Organ distributions and clearance studies of 99mtechnetium–labeled Corynebacterium parvum in patients with leukemia. Toki H, et al. **Int J Immunopharmacol** 1981;3(2):141–5

Prostaglandin formation in bacteria : a reevaluation. Gulbis E, et al. **Prostaglandins** 1981 Mar;21(3):439–41

[Propionibacterium acnes in acne vulgaris (comparative biochemical study of the comedone and the pustule] Laso JL, et al. **Med Cutan Iber Lat Am** 1980;8(1–3):47–51 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Modulation of the rats' immune status by monoassociation with anaerobic bacteria. Wells CL, et al. **Can J Microbiol** 1980 Oct;26(10):1192–8

PROPIONIC ACIDS see under **PROPIONATES**

PROPIOPHENONES

ADMINISTRATION & DOSAGE

[Evaluation of new agents with expected antiatheromatous action] Kośmider K. **Pol Tyg Lek** 1981 Apr 27;36(17):605–7 **(Pol)**

ADVERSE EFFECTS

[Potency and spermatogenesis disorders caused by propafenon (letter)] Kleinsorge H, et al. **Dtsch Med Wochenschr** 1980 Oct 3;105(40):1395–6 **(Ger)**

[Disturbances of potency and spermiogenesis due to propafenon (author's transl)] Körst HA, et al. **Dtsch Med Wochenschr** 1980 Aug 22;105(34):1187–9 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Highly purified 'flavanone synthase' from parsley catalyzes the formation of naringenin chalcone. Heller W, et al. **Arch Biochem Biophys** 1980 Apr 1;200(2):617–9

CHEMICAL SYNTHESIS

Studies in fluorinated Mannich bases. Part 2: Synthesis and biological activity of some new 3–alkylaminopropiophenones. Pathak VN, et al. **Pharmazie** 1980;35(7):434

METABOLISM

The effects of cofactor and species differences on the in vitro metabolism of propiophenone and phenylacetone. Coutts RT, et al. **Can J Physiol Pharmacol** 1981 Feb;59(2):195–201

Radioimmunoassay and pharmacokinetic profile of bupropion in the dog. Butz RF, et al. **J Pharmacol Exp Ther** 1981 Jun;217(3):602–10

[Biotransformation of amphetamine derivatives by rat liver mitochondria/2nd communication; Oxidative deamination of amphetamine and reduction of phenylacetone] Blume H. **Arzneimittelforsch** 1981;31(6):994–7 (Eng. Abstr.) **(Ger)**

[On the metabolism of eprazinone (author's transl)] Toffel–Nadolny P, et al. **Arzneimittelforsch** 1981; 31(4):719–22 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Effect of calcium antagonist, etafenone hydrochloride, on the isolated guinea pig tracheal tissues. Kitamura S, et al. **Arzneimittelforsch** 1980;30(7):1088–91

Testing propafenone hydrochloride in the Ames Salmonella microsome system and in mammalian cytogenetic systems (bone marrow, spermatogonia). Röhrborn G, et al. **Arzneimittelforsch** 1980;30(12):2084–7

Effects of oxyfedrine on global haemodynamics and myocardial lactate balance in acute ischaemia of the porcine heart preparation. Schamhardt HC, et al. **Arzneimittelforsch** 1981;31(7):1091–5

EEG and behavioural patterns induced by intraventricularly administration of cathinone in rats. Elmi AS, et al. **Boll Soc Ital Biol Sper** 1980 Jun 15;56(11):1119–21

Failure of bupropion to affect the response to tyramine in man. Fowle AS, et al. **Br J Clin Pharmacol** 1981 Jul; 12(1):86–8

Possible mechanisms of action of oxyfedrine as an antianginal drug [letter] Parratt JR, et al. **Br J Clin Pharmacol** 1981 Mar;11(3):307–8

Regional myocardial blood flow and segmental wall function after oxyfedrine administration in the ischaemic porcine heart. Schamhardt HC, et al. **Cardiovasc Res** 1980 Aug; 14(8):451–7

Effects of propafenone on TEA–induced action potentials in vascular smooth muscle of canine coronary arteries. Harder DR, et al. **Experientia** 1980 Sep 15;36(9):1082–3

Effect of oxyfedrine on myocardial glycolytic flux during ischaemia in rats. Seth SD, et al. **Indian J Exp Biol** 1980 Sep;18(9):1009–11

Dihydrochalcone sweeteners. A study of the atypical temporal phenomena. DuBois GE, et al. **J Med Chem** 1981 Apr;24(4):408–28

Hyperthermic response to (–)–cathinone, an alkaloid of Catha edulis (khat). Kalix P. **J Pharm Pharmacol** 1980 Sep; 32(9):662–3

The oil immersion technique for studying the disposition of drugs inducing relaxation; influence of U–0521 and hydrocortisone on the disposition of isoprenaline. Paiva MQ, et al. **J Pharm Pharmacol** 1980 Dec;32(12):868–9

Behavioural and biochemical effects of the antidepressant bupropion (Wellbutrin): evidence for selective blockade of dopamine uptake in vivo. Cooper BR, et al. **J Pharmacol Exp Ther** 1980 Oct;215(1):127–34

Relative potencies of two phenylalkylamines found in the abused plant Catha edulis, khat. Peterson DW, et al. **Life Sci** 1980 Dec 1;27(22):2143–7

Inhibition of Vmax of the action potential by propafenone and its voltage–, time– and pH–dependence in mammalian ventricular myocardium. Kohlhardt M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980;315(1):55–62

Behavioural and EEG effects induced by an amphetamine like substance (cathinone) in rats. Berardelli A, et al. **Pharmacol Res Commun** 1980 Nov;12(10):959–64

Cathinone, active principle of the khat leaf: its effects on in vivo and in vitro lipolysis. Nencini P. **Pharmacol Res Commun** 1980 Oct;12(9):855–61

[The action of oxyfedrine on haemodynamics, inotropism and blood perfusion of the partially ischaemic myocardium after digoxin premedication. Studies on anaesthetized dogs (author's transl)] Hahn N, et al. **Arzneimittelforsch** 1981; 31(3):410–4 (Eng. Abstr.) **(Ger)**

[Antimicrobial studies on diazachalcones and 2–pyrazoline derivatives] Metzner J, et al. **Pharmazie** 1981;36(2):157 **(Ger)**

[Myocardial circulation and contractility in ischemic and hypokinetic areas] Felix R, et al. **ZFA (Stuttgart)** 1980 Jun 10;56(16):1142–7 **(Ger)**

[Effect of cathionine (alpha–aminopropiophenone) on rat EEG activity] Berardelli A, et al. **Boll Soc Ital Biol Sper** 1980 Jun 15;56(11):1122–6 (Eng. Abstr.) **(Ita)**

[Effects of muscle relaxant E.M.P.P. on afferent discharges of muscle spindle in man––an microneurographic analysis (author's transl)] Mano T, et al. **No To Shinkei** 1981 Mar; 33(3):237–41 (Eng. Abstr.) **(Jpn)**

[Effect of propafenon in myocardial refractoriness] Mill JG. **Arq Bras Cardiol** 1981 Jan;36(1):35–9 (Eng. Abstr.) **(Por)**

[Effect of propafenon on sinus node function] Sant'Anna JR, et al. **Arq Bras Cardiol** 1980 Jul;35(1):15–8 (Eng. Abstr.) **(Por)**

[Electrophysiological properties of propafenon evaluated by the technic of the bundle of His electrogram] Sosa E, et al. **Arq Bras Cardiol** 1981 Jan;36(1):7–15 (Eng. Abstr.) **(Por)**

[Effect of nonachlazine and oxyfedrine on central processes regulating vasomotor tone] Darinskiĭ NV. **Biull Eksp Biol Med** 1980 JUL;89(7):45–9 (Eng. Abstr.) **(Rus)**

POISONING

[Fatal poisoning with the antiarrhythmic agent propafenon] Bösche J, et al. **Beitr Gerichtl Med** 1980;38:231–4 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Oxyfederine and propranolol––a controlled trial in angina pectoris. Whittington J, et al. **Br J Clin Pharmacol** 1980 Nov;10(5):439–42

A controlled comparison of oxyfedrine, isosorbide dinitrate and placebo in the treatment of patients suffering attacks of angina pectoris. Whittington J, et al. **Br J Clin Pharmacol** 1980 Sep;10(3):211–5

Echocardiographic evaluation of acute administration of oxyfedrine in patients with coronary artery disease. Maione S, et al. **Curr Med Res Opin** 1981;7(4):241–6

Oxyfedrine on left ventricular performance. Manchanda SC, et al. **Indian Heart J** 1980 Nov–Dec;32(6):339–41

Oxyfedrine [editorial] **Lancet** 1981 Jan 3;1(8210):25–6

Oxyfedrine as an antianginal agent [letter] Parratt JR. **Lancet** 1981 Feb 21;1(8217):441

Clinical efficacy of the new antidepressant bupropion (Wellbutrin) [proceedings] Halaris AE, et al. **Psychopharmacol Bull** 1981 Jan;17(1):140–2

Mydocalm (Tolperison) in the treatment of myogenic dorsal pain. Ammer K. **Ther Hung** 1980;28(2):67–9

[Combined use of propafenon and lidoflazine in chronic atrial fibrillation and flutter (author's transl)] Beck OA, et al. **Dtsch Med Wochenschr** 1980 Sep 5;105(36):1243–6 (Eng. Abstr.) **(Ger)**

[The efficacy of eprazinone dihydrochloride (Eftapan) in double–blind studies] Spitzer W. **Fortschr Med** 1980 Jun 12;98(22):(871–4) (Eng. Abstr.) **(Ger)**

[Propafenon therapy of arrhythmias in infancy and childhood (author's transl)] Weber H, et al. **Monatsschr Kinderheilkd** 1981 Jul;129(7):410–3 (Eng. Abstr.) **(Ger)**

[Therapy of bronchitis in childhood with Eprazinone (author's transl)] Rudkowski Z, et al. **Paediatr Paedol** 1980; 15(4):351–64 (Eng. Abstr.) **(Ger)**

[Serum concentration and AV–conduction time in oral treatment with propafenone during a several–days period

(author's transl)] Meyer-Estorf G, et al. **Z Kardiol** 1980 Jun;69(6):417-20 (Eng. Abstr.) **(Ger)**

[Study of the disinfectant action of lubricants in transurethral electroresection] Vogler H. **Z Urol Nephrol** 1980 Jun; 73(6):401-5 (Eng. Abstr.) **(Ger)**

[Oxyfedrine in coronary therapy] Wallner H, et al. **ZFA (Stuttgart)** 1980 Mar 31;56(9 Suppl):612-6 **(Ger)**

[Positive inotropic effect of coronary-active drug: oxyfedrine] Conti G, et al. **Minerva Cardioangiol** 1980 Sep; 28(9):645-7 **(Ita)**

[Value of propafenon in the control of ventricular extrasystolic arrhythmia. Clinical, electrocardiographic and laboratory evaluation in prolonged use] Giannini SD, et al. **Arq Bras Cardiol** 1980 Dec;35(6):525-8 (Eng. Abstr.) **(Por)**

[Prolonged administration of propafenon in the treatment of premature ventricular beats. Evaluation by dynamic (Holter) electrocardiography] Rocha PJ, et al. **Arq Bras Cardiol** 1980 Dec;35(6):519-23 (Eng. Abstr.) **(Por)**

[Propafenone, a new anti arrhythmic agent] Ruipérez Abizanda JA, et al. **Rev Clin Esp** 1980 Sep 30;158(6):279-81 (Eng. Abstr.) **(Spa)**

PROPITOCAINE see **PRILOCAINE**

PROPLAST see under **POLYTETRAFLUOROETHYLENE**

PROPOLIS see under **RESINS**

PROPOXUR see **APROCARB**

PROPOXYCAINE

[Comparison of the local anesthetic activity of the eye drops Novesine and Alcain in laboratory experiments] Kopáčová L, et al. **Cesk Farm** 1980 Sep;29(7):260-2 (Eng. Abstr.) **(Cze)**

ADMINISTRATION & DOSAGE

Anesthetic effects from low concentrations of proparacaine and benoxinate. Jauregui MJ, et al. **J Am Optom Assoc** 1980 Jan;51(1):37-41

PROPOXYPHENE

Darvon dependence: three case studies. Chard P. **Chem Depend** 1980;4(1-2):65-70

Self-association of analgesics in aqueous solution: micellar properties of dextropropoxyphene hydrochloride and methadone hydrochloride. Attwood D, et al. **J Pharm Pharmacol** 1980 Aug;32(8):533-6

Thermal decomposition of propoxyphene during GLC analysis. Millard BJ, et al. **J Pharm Sci** 1980 Oct; 69(10):1177-9

In vitro evaluation of two controlled release propoxyphene hydrochloride formulations. Influence of the composition of dissolution media on drug release. Baggesen S, et al. **Pharm Acta Helv** 1980;55(11-12):312-5

ADMINISTRATION & DOSAGE

A comparison of the efficacy of naproxen sodium and a paracetamol/dextropropoxyphene combination in the treatment of soft-tissue disorders. Abbott CJ, et al. **Br J Sports Med** 1980 Dec;14(4):213-8

Effect of restrictions on prescribing patterns for dextropropoxyphene. Shenfield GM, et al. **Br Med J** 1980 Sep 6;281(6241):651-3

The relative efficacy of indoprofen compared with opioid-analgesic combinations. Cooper SA, et al. **J Oral Surg** 1981 Jan;39(1):21-5

ADVERSE EFFECTS

Addition to Distalgesic (dextropropoxyphene) [letter] Mellor N. **Br Med J** 1980 Aug 30;281(6240):617

Adverse reaction to painkiller in hydrogel lens wearer. Bergmanson JP, et al. **J Am Optom Assoc** 1981 Mar; 52(3):257-8

[Myopathy caused by propoxyphene: report of 2 cases with muscle histochemistry] Werneck LC, et al. **Arq Neuropsiquiatr** 1981 Mar;39(1):68-79 (Eng. Abstr.) **(Por)**

ANALOGS & DERIVATIVES

Propoxyphene form maintenance treatment of narcotic addiction. Woody GE, et al. **Arch Gen Psychiatry** 1981 Aug;38(8):898-900

Lack of toxicity of high dose propoxyphene napsylate when used for maintenance treatment of addiction. Woody GE, et al. **Clin Toxicol** 1980;16(4):473-8

Depression of myocardial contractile function by propoxyphene and norpropoxyphene. Amsterdam EA, et al. **J Cardiovasc Pharmacol** 1981 Jan-Feb;3(1):129-38

Propoxyphene and norpropoxyphene: influence of type of controlled-release formulation on intra- and intersubject variations. Bechgaard H, et al. **J Pharm Sci** 1980 Nov; 69(11):1327-30

Maternal and fetal blood/brain distribution of d-propoxyphene and norpropoxyphene in rat and dog. Due SL, et al. **Toxicol Appl Pharmacol** 1981 Apr;58(2):194-202

BLOOD

Propoxyphene and norpropoxyphene plasma concentrations after oral propoxyphene in cirrhotic patients with and without surgically constructed portacaval shunt. Giacomini KM, et al. **Clin Pharmacol Ther** 1980 Sep;28(3):417-24

METABOLISM

Propoxyphene and norpropoxyphene: influence of type of controlled-release formulation on intra- and intersubject variations. Bechgaard H, et al. **J Pharm Sci** 1980 Nov; 69(11):1327-30

Maternal and fetal blood/brain distribution of d-propoxyphene and norpropoxyphene in rat and dog. Due SL, et al. **Toxicol Appl Pharmacol** 1981 Apr;58(2):194-202

PHARMACODYNAMICS

Influence of dextropropoxyphene on steady state serum levels and protein binding of three anti-epileptic drugs in man. Hansen BS, et al. **Acta Neurol Scand** 1980 Jun;61(6):357-67

The effect of hematin on the development of microsomal enzyme induction and physical dependence in mice following repeated oral propoxyphene administration. Hunsinger RN, et al. **Drug Alcohol Depend** 1981 Jun; 7(3):211-20

d-Propoxyphene acts differently from morphine on opioid receptor-effector mechanisms. Neil A, et al. **Eur J Pharmacol** 1981 Jan 5;69(1):33-9

Depression of myocardial contractile function by propoxyphene and norpropoxyphene. Amsterdam EA, et al. **J Cardiovasc Pharmacol** 1981 Jan-Feb;3(1):129-38

Bioavailability of aspirin in the presence of dextropropoxyphene/paracetamol combination. Hemming JD, et al. **Pharmatherapeutica** 1981;2(8):543-6

POISONING

Distalgesic poisoning--cause for concern [letter] Dwyer PS, et al. **Br Med J** 1980 Jul 5;281(6232):60-1

Distalgesic poisoning--cause for concern. Young RJ, et al. **Br Med J** 1980 Apr 12;280(6220):1045-7

Distalgesic poisoning--cause for concern [letter] Young RJ, et al. **Br Med J** 1980 Aug 30;281(6240):616-7

Overdose reactions to Darvon. Inciardi JA. **Chem Depend** 1980;4(1-2):59-64

Neonatal distalgesic poisoning [letter] Beattie JO, et al. **Lancet** 1981 Jul 4;2(8236):49

Management of distalgesic poisoning [letter] Smith JM, et al. **Lancet** 1981 Jan 3;1(8210):38

Deaths related to propoxyphene overdose: a ten-year assessment. Wetli CV, et al. **South Med J** 1980 Sep; 73(9):1205-9

[Dextropropoxyphene poisoning with prolonged coma] Jensen NH. **Ugeskr Laeger** 1981 Feb 2;143(6):343-4 (Eng. Abstr.) **(Dan)**

THERAPEUTIC USE

Comparison of the analgesic efficacy of fluproquazone, propoxyphene and paracetamol in post-hysterectomy pain. Short communication. Frerich D, et al. **Arzneimittelforsch** 1981;31(5a):925-7

Analgesia following dental surgery: a comparison of brufen and distalgesic. Giles AD. **Br J Oral Surg** 1981 Jun; 19(2):105-11

Comparative study of mefenamic acid and dextropropoxyphene plus paracetamol in an accident and emergency department. Sleet RA, et al. **Curr Med Res Opin** 1980;7(2):77-84

Mild analgesics as an alternative to ergotamine in migraine. A comparative trial with acetylsalicylic acid, ergotamine tartrate, and a dextropropoxyphene compound. Hakkarainen H, et al. **J Clin Pharmacol** 1980 Oct; 20(10):590-5

[Changes in coughing in cats in relation to their sex] Strapková A, et al. **Cesk Fysiol** 1981 May;30(3):279-81 **(Slo)**

D-PROPOXYPHENE see **PROPOXYPHENE**

PROPOXYPHENE NAPSYLATE see under **PROPOXYPHENE**

PROPOXYPROCAINE see **PROPOXYCAINE**

PROPRANOLOL

Beta-blockers and running [letter] Kaijser L, et al. **Am Heart J** 1980 Dec;100(6 Pt 1):943-4

A possible undesirable interaction of propranolol and atropine [letter] Hirshman CA, et al. **Anesthesiology** 1980 Dec;53(6):521

Interaction of propranolol with model phospholipid membranes. Monolayer, spin label and fluorescent spectroscopy studies. Surewicz WK, et al. **Biochim Biophys Acta** 1981 May 6;643(2):387-97

ADMINISTRATION & DOSAGE

Slow release oxprenolol in angina pectoris: study comparing oxprenolol, once daily, with propranolol, four times daily. Olowoyeye JO, et al. **Am J Cardiol** 1981 May;47(5):1123-7

Unusually large intravenous doses of propranolol hydrochloride [letter] Schneiweiss F, et al. **Am J Hosp Pharm** 1981 Jan;38(1):30, 32

Digoxin and propranolol in the prophylaxis of supraventricular tachydysrhythmias after coronary artery bypass surgery. Roffman JA, et al. **Ann Thorac Surg** 1981 Jun;31(6):496-501

Propranolol in high doses increases plasma prolactin concentrations in male rats. Freed WJ, et al. **Biol Psychiatry** 1980 Apr;15(2):311-7

Propranolol LA and ambulatory blood pressure. Mann S, et al. **Br J Clin Pharmacol** 1980 Nov;10(5):443-7

Intravenous propranolol therapy for acute myocardial infarction in man: hemodynamic and serial creatine kinase assessment. Cairns JA, et al. **Chest** 1981 Mar;79(3):277-85

Beneficial effects of adding propranolol to multidose potassium cardioplegia. Kanter KR, et al. **Circulation** 1981 Aug;64(2 Pt 2):84-90

Changes in glomerular filtration rate during long-term treatment with propranolol and peripheral vasodilators in patients with arterial hypertension [letter] Hørlyck K. **Dan Med Bull** 1980 Jul;27(3):168

Cardiac arrhythmias during epinephrine-propranolol infusions for measurement of in vivo insulin resistance. Lampman RM, et al. **Diabetes** 1981 Jul;30(7):618-20

Oxprenolol vs propranolol: a randomized, double-blind, multiclinic trial in hypertensive patients taking hydrochlorothiazide. Veterans Administration Cooperative Study Group. **Hypertension** 1981 Mar-Apr;3(2):250-6

A combination of propranolol and hydralizine for the treatment of severe hypertension. Mehta PJ, et al. **J Assoc Physicians India** 1981 Feb;29(2):115-8

Propranolol dosage in thyrotoxicosis. Feely J, et al. **J Clin Endocrinol Metab** 1980 Sep;51(3):658-61

Avoidance of first pass elimination of propranolol after rectal administration to rats. de Boer AG, et al. **J Pharm Pharmacol** 1981 Jan;33(1):50-1

Interaction of propranolol hydrochloride with montmorillonite. Sánchez Martín M, et al. **J Pharm Pharmacol** 1981 Jun;33(6):408-10

Nasal absorption of propranolol in humans [letter] Hussain A, et al. **J Pharm Sci** 1980 Oct;69(10):1240

Prevention of supraventricular tachyarrhythmia with low-dose propranolol after coronary bypass. Mohr R, et al. **J Thorac Cardiovasc Surg** 1981 Jun;81(6):840-5

Beta-blockers after myocardial infarction [letter] Baber NS, et al. **Lancet** 1981 Jun 6;1(8232):1267

[Use of the beta receptor blockader propranolol (Obsidan), in oral surgery] Neumann HJ, et al. **Stomatol DDR** 1980 Dec;30(12):908-12 (Eng. Abstr.) **(Ger)**

[Preliminary study of the combined administration of furosemide and propranolol. Evaluation of serum propranolol] Volpe M, et al. **Boll Soc Ital Cardiol** 1978; 23(6):1001-5 **(Ita)**

[The combination of propranolol and nitrate in the therapy of Wolff-Parkinson-White syndrome] Zacà F, et al. **Boll Soc Ital Cardiol** 1978;23(9):1601-4 **(Ita)**

[Pathomechanism of Graves' disease and the effectiveness of its treatment with propranolol. II. Effect of intravenous administration of propranolol on the reverse triiodothyronine level] Mazanek-Szymańska E, et al. **Endokrynol Pol** 1981 Jan-Feb;32(1):49-52 (Eng. Abstr.) **(Pol)**

[Pathomechanism of Graves' disease and the effectiveness of its treatment with propranolol. I. Effect of intravenous administration of propranolol on the triiodothyronine] Mazanek-Szymańska E. **Endokrynol Pol** 1981 Jan-Feb; 32(1):35-48 (Eng. Abstr.) **(Pol)**

[Blood serum triiodothyronine and lipid level in hyperthyroidism during short-term administration of small doses of propranolol] Lopatyński J, et al. **Pol Arch Med Wewn** 1980 Oct;64(10):317-25 (Eng. Abstr.) **(Pol)**

[Combined treatment of chronic coronary disease with pentaerythritol tetranitrate and propranolol] Florkiewicz H, et al. **Pol Tyg Lek** 1981 Apr 6;36(14):501-3 (Eng. Abstr.) **(Pol)**

[Behavior of the number of lysosomes in the placenta of pregnant rats subjected to acute stress and previously treated with 1-isopropylamino-3-(1-naphthyloxy)-2-propanol hydrochloride] Kulay MN, et al. **Rev Paul Med** 1980 Nov-Dec;96(5-6):96-9 (Eng. Abstr.) **(Por)**

[Effect of consecutive administration of obsidan and novodrin on pulmonary circulation in anesthesized dogs] Gimmel'farb GN, et al. **Kardiologiia** 1981;21(1):93-5 (Eng. Abstr.) **(Rus)**

[Determination of the criteria for selecting the optimal obsidan and hypothiazide treatment regimen in hypertension based on mathematical modelling data] Katiukhin VN, et al. **Kardiologiia** 1981 Mar;21(3):36-8 (Eng. Abstr.) **(Rus)**

[Cardiac function in transient coronary insufficiency after electrophoretic and injection methods of obsidan administration] Litvitskiĭ PF, et al. **Kardiologiia** 1981; 21(1):90-2 (Eng. Abstr.) **(Rus)**

[Intravenous administration of propranolol in the acute period of myocardial infarct] Gratsianskiĭ NA, et al. **Ter Arkh** 1980;52(10):33-9 (Eng. Abstr.) **(Rus)**

[Adrenergic alpha- and beta receptor blockaders in hypertension] Shul'ga IuD, et al. **Ter Arkh** 1981;53(1):66-9 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Severe angina pectoris and BETA-blocker-induced bradycardia treated with an artificial pacemaker. Otterstad JE, et al. **Acta Med Scand** 1980;207(6):503–4

Beta blockade in congestive cardiomyopathy [letter] Brezis M, et al. **Am Heart J** 1981 Mar;101(3):357

Is propranolol alone really beneficial in neonatal thyrotoxicosis? Bradycardia and hypoglycemia evoke the doctrine of primum non nocere. Gardner LI. **Am J Dis Child** 1980 Sep;134(9):819–20 (18 ref.)

Propranolol-induced impotency--correction of an error [letter] Stoeckly VL. **Am J Hosp Pharm** 1981 Jan; 38(1):32–3

Questioning a contraindication of propranolol [letter] Gitlin M. **Am J Psychiatry** 1981 Sep;138(9):1261–2

A case report of toxic psychosis with low-dose propranolol therapy. Remick RA, et al. **Am J Psychiatry** 1981 Jun; 138(6):850–1

Propranolol and retroperitoneal fibrosis [letter] Pierce JR Jr, et al. **Ann Intern Med** 1981 Aug;95(2):244

Polyarthritis following propranolol [letter] Machtey I. **Arthritis Rheum** 1981 Mar;24(3):568–9

Beta-blockade in asthma [letter] Harries AD. **Br Med J [Clin Res]** 1981 Apr 18;282(6272):1321

Sclerosing peritonitis and propranolol. Ahmad S. **Chest** 1981 Mar;79(3):361–2

Adverse effect of propranolol on airway function in nonasthmatic chronic obstructive lung disease. Chester EH, et al. **Chest** 1981 May;79(5):540–4

Life-threatening cold and exercise-induced asthma potentiated by administration of propranolol. Schwartz S, et al. **Chest** 1980 Jul;78(1):100–1

The effect of propranolol withdrawal on thyroid hormones in normal and hyperthyroid subjects. Ross PJ, et al. **Clin Endocrinol (Oxf)** 1980 Jul;13(1):27–31

Myocardial electrical instability after abrupt withdrawal of long-term administration of propranolol to guinea pigs. Dennis SC, et al. **Clin Sci** 1980 Sep;59(3):207–9

Non aphasic misnaming and other neurobehavioral features of an unusual toxic encephalopathy: case study. Cummings J, et al. **Cortex** 1980 Aug;16(2):315–23

Hyperglycemia associated with propranolol and chlorpropamide coadministration. Holt RJ, et al. **Drug Intell Clin Pharm** 1981 Jul–Aug;15(7–8):599–600

Propranolol-induced hypoglycemia during growth hormone testing. Pelsor DA, et al. **J Pediatr** 1981 Jul;99(1):157–8

Complete atrioventricular block associated with propranolol therapy. Zeis PM, et al. **J Pediatr** 1981 Feb;98(2):326–7

Propranolol withdrawal and myocardial infarction [letter] Flach A. **JAMA** 1981 Jan 23–30;245(4):342

Propranolol as cause of watery nasal secretion [letter] Malm L. **Lancet** 1981 May 2;1(8227):1006

The hypoglycemic hazards of propranolol in diabetic patients: case reports. Weled BJ, et al. **Milit Med** 1980 Oct; 145(10):705–8

Hypoglycemia in chronic hemodialysis patients: association with propranolol use. Grajower MM, et al. **Nephron** 1980; 26(3):126–9

[Beta-adrenoreceptor blocking drugs and epicutaneous allergologic studies] Sillevis Smitt JH, et al. **Ned Tijdschr Geneeskd** 1981 Jan 3;125(1):17–8 **(Dut)**

[Pemphigus induced by treatment with a propanolol–meprobamate combination] Godard W, et al. **Ann Dermatol Venereol** 1980;107(12):1213–6 **(Fre)**

[Toxicodermia from using the beta-adrenoblockader, trazicor] Danilov LN. **Vestn Dermatol Venerol** 1981 Jan; (1):42–3 **(Rus)**

ANALOGS & DERIVATIVES

Irreversible inactivation of beta-adrenergic receptors of C6 glioma cells. Synthesis and study of a thiol derivative of propranolol. Gozlan H, et al. **Biochimie** 1980;62(7):455–62

An improved extraction procedure for the liquid chromatographic determination of propranolol and 4-hydroxypropranolol in plasma [letter] Gyselinck P, et al. **Br J Clin Pharmacol** 1980 Oct;10(4):406–8

Protection of ischemic myocardium: comparison of effects of propranolol, bevantolol and N-dimethyl propranolol on infarct size following coronary artery occlusion in anesthetized dogs. Warltier DC, et al. **Cardiology** 1980; 66(3):133–46

Chronic ventricular tachyarrhythmias in the conscious dog: prevention by UM-272 (dimethylpropranolol). Patterson E, et al. **J Cardiovasc Pharmacol** 1981 Jul–Aug;3(4):769–80

Ring-hydroxylated propranolol: synthesis and beta-receptor antagonist and vasodilating activities of the seven isomers. Oatis JE Jr, et al. **J Med Chem** 1981 Mar;24(3):309–14

High-performance liquid chromatographic determination of propranolol and 4-hydroxypropranolol in plasma. Rosseel MT, et al. **J Pharm Sci** 1981 Jun;70(6):688–9

Pharmacologic protection against prolonged ischemia during harvesting and preservation of canine kidneys. Stowe N, et al. **Transplant Proc** 1981 Mar;13(1 Pt 2):699–701

Disposition of pranolium chloride in small mammals. Barrow A, et al. **Xenobiotica** 1980 Mar;10(3):219–28

ANALYSIS

Separation of enantiomeric amines by ion-pair chromatography. Pettersson C, et al. **J Chromatogr** 1981 Jan 16;204:179–83

ANTAGONISTS & INHIBITORS

Attenuation of hypotensive effect of propranolol and thiazide diuretics by indomethacin. Watkins J, et al. **Br Med J** 1980 Sep 13;281(6242):702–5

BLOOD

Plasma propranolol levels in angina pectoris [letter] Ishizaki T. **Am J Cardiol** 1980 Oct;46(4):701–4

Increased clearance of propranolol in thyrotoxicosis. Feely J, et al. **Ann Intern Med** 1981 Apr;94(4 pt 1):472–4

Dose-dependent disposition of oral propranolol in normal subjects. Mackichan JJ, et al. **Biopharm Drug Dispos** 1980 Apr–Jun;1(4):159–66

The influence of age, smoking and hyperthyroidism on plasma propranolol steady state concentration. Feely J, et al. **Br J Clin Pharmacol** 1981 Jul;12(1):73–8

An improved extraction procedure for the liquid chromatographic determination of propranolol and 4-hydroxypropranolol in plasma [letter] Gyselinck P, et al. **Br J Clin Pharmacol** 1980 Oct;10(4):406–8

Effect of age on plasma propranolol levels [letter] Schneider RE, et al. **Br J Clin Pharmacol** 1980 Aug;10(2):169–71

Plasma propranolol concentrations and the erythrocyte sedimentation rate. Schneider RE, et al. **Br J Clin Pharmacol** 1979 Jul;8(1):43–7

Influence of cimetidine on pharmacokinetics of propranolol. Heagerty AM, et al. **Br Med J [Clin Res]** 1981 Jun 13; 282(6280):1917–9

Elevated plasma free drug concentrations of propranolol and diazepam during cardiac catheterization. Wood AJ, et al. **Circulation** 1980 Nov;62(5):1119–22

Altered plasma protein binding of drugs in thyroid disease. Feely J, et al. **Clin Pharmacokinet** 1981 Jul–Aug; 6(4):298–305

Influence of surgery on plasma propranolol levels and protein binding. Feely J, et al. **Clin Pharmacol Ther** 1980 Dec; 28(6):759–64

Plasma propranolol steady state concentrations in thyroid disorders. Feely J, et al. **Eur J Clin Pharmacol** 1981; 19(5):329–33

Plasma concentrations and beta-blocking effects in normal volunteers after intravenous doses of metoprolol and propranolol. Regårdh CG, et al. **J Cardiovasc Pharmacol** 1980 Nov–Dec;2(6):715–23

Simultaneous determination of d- and l-propranolol in human plasma by high-performance liquid chromatography. Hermansson J, et al. **J Chromatogr** 1980 Nov 14;221(1):109–17

Human plasma levels of propranolol: fluorometric measurement in a hydrosolvatic system. Capomacchia AC, et al. **J Pharm Sci** 1980 Dec;69(12):1463–5

High-performance liquid chromatographic determination of propranolol and 4-hydroxypropranolol in plasma. Rosseel MT, et al. **J Pharm Sci** 1981 Jun;70(6):688–9

Stereospecific assay for (–)- and (+)-propranolol in human and dog plasma. Silber B, et al. **J Pharmacol Exp Ther** 1980 Dec;215(3):643–8

Interaction of cimetidine with metoprolol, propranolol, or atenolol [letter] Kirch W, et al. **Lancet** 1981 Sep 5; 2(8245):531–2

Increased plasma protein binding of propranolol in rabbits with acute renal failure. Fichtl B, et al. **Life Sci** 1981 Jan 5;28(1):31–5

Changes in plasma concentrations of acebutolol, propranolol and indomethacin during physical exercise. Henry JA, et al. **Life Sci** 1981 Apr 27;28(17):1925–9

Arterial and venous blood sampling in pharmacokinetic studies: propranolol in rabbits and dogs. Lam G, et al. **Res Commun Chem Pathol Pharmacol** 1981 Jul;33(1):33–48

Direct determination of propranolol in serum or plasma by fluoroimmunoassay. Al-Hakiem MH, et al. **Ther Drug Monit** 1981;3(2):159–65

Propranolol in serum by high pressure liquid chromatography using nitrile (CN) bonded columns in reverse phase. Simon M, et al. **Ther Drug Monit** 1979; 1(2):265–76

[Pharmacokinetics of sustained release propranolol and results in the treatment of hypertension] Levy Y, et al. **Harefuah** 1980 Sep;99(5–6):125–6 (Eng. Abstr.) **(Heb)**

[Preliminary study of the combined administration of furosemide and propranolol. Evaluation of serum propranolol] Volpe M, et al. **Boll Soc Ital Cardiol** 1978; 23(6):1001–5 **(Ita)**

CEREBROSPINAL FLUID

beta-Adrenoreceptor-blocking agents and the blood-brain barrier. Cruickshank JM, et al. **Clin Sci [Suppl]** 1980 Dec; 59 Suppl 6:453s–455s

DIAGNOSTIC USE

Assessment of insulin resistance with the insulin suppression test and the euglycemic clamp. Greenfield MS, et al. **Diabetes** 1981 May;30(5):387–92

Epinephrine-induced hypoaminoacidemia in normal and diabetic human subjects: effect of beta blockade. Shamoon H, et al. **Diabetes** 1980 Nov;29(11):875–81

Adrenergic influence on glucocounterregulation in man. Lilavivat U, et al. **Diabetologia** 1981 Apr;20(4):482–8

Angiography with epinephrine and beta receptor blocker in diagnosis of sigmoid lesions. Holmström B, et al. **Dis Colon Rectum** 1981 Jan–Feb;24(1):5–16

Diagnostic capacity of sinus node recovery time after inhibition of autonomous neural tone. Vallin H, et al. **Eur J Cardiol** 1980;12(2):81–93

Parathyroid hormone secretion: effect of beta-adrenergic blockade before and after surgery for primary hyperparathyroidism. Vora NM, et al. **J Clin Endocrinol Metab** 1981 Sep;53(3):599–601

Effect of propranolol on aldosterone response to heat exposure in sodium-restricted men. Brandenberger G, et al. **J Endocrinol Invest** 1980 Oct–Dec;3(4):395–400

Lack of effects of beta sympathetic blockade on the metabolic and respiratory responses to carbohydrate feeding. Zwillich C, et al. **Metabolism** 1981 May;30(5):451–6

[Suppression, by beta-adrenergic receptor blockade, of the sympathomimetic component of dopamine renal action in water-saline depletion] Agnoli GC, et al. **Boll Soc Ital Biol Sper** 1980 May 15;56(9):946–52 (Eng. Abstr.) **(Ita)**

[Response of growth hormone (GH) to glucagon–propranolol stimulation in diabetic subjects (author's transl)] Tébar J, et al. **Med Clin (Barc)** 1981 Apr 25;76(8):361–4 (Eng. Abstr.) **(Spa)**

METABOLISM

Bioavailability of propranolol in the dog. Tse FL, et al. **Arch Int Pharmacodyn Ther** 1980 Dec;248(2):180–9

Bioavailability of sustained release propranolol formulations. McAinsh J, et al. **Biopharm Drug Dispos** 1981 Jan–Mar; 2(1):39–48

Bioavailability of propranolol and bendrofluazide formulations. McAinsh J, et al. **Biopharm Drug Dispos** 1981 Apr–Jun;2(2):167–75

A propranolol radioimmunoassay and its use in the study of its pharmacokinetics following low doses. Mould GP, et al. **Biopharm Drug Dispos** 1981 Jan–Mar;2(1):49–57

First-pass lung uptake of propranolol enhanced in anaesthetized dogs. Pang JA, et al. **Br J Anaesth** 1981 Jun; 53(6):601–4

Propranolol disposition in renal failure. Wood AJ, et al. **Br J Clin Pharmacol** 1980 Dec;10(6):561–6

Interference of a propranolol metabolite with serum bilirubin estimation in chronic renal failure. al-Damluji S, et al. **Br Med J** 1980 Jun 14;280(6229):1414

Influence of cimetidine on pharmacokinetics of propranolol [letter] Bauman JH. **Br Med J [Clin Res]** 1981 Jul 18; 283(6285):232

Influence of cimetidine on pharmacokinetics of propranolol [letter] Kitis G. **Br Med J [Clin Res]** 1981 Jul 25; 283(6286):309

Reduction of first-pass hepatic clearance of propranolol by food. McLean AJ, et al. **Clin Pharmacol Ther** 1981 Jul; 30(1):31–4

Effects of thyroid dysfunction on propranolol kinetics. Riddell JG, et al. **Clin Pharmacol Ther** 1980 Nov; 28(5):565–74

Kinetic and clinical observations in cyanotic children on propranolol therapy. Riopel DA, et al. **Clin Pharmacol Ther** 1980 Dec;28(6):743–50

Propranolol and sotalol metabolism after a drinking party. Sotaniemi EA, et al. **Clin Pharmacol Ther** 1981 Jun; 29(6):705–10

Massive propranolol metabolite retention during maintenance hemodialysis. Stone WJ, et al. **Clin Pharmacol Ther** 1980 Oct;28(4):449–55

The pathways of propranolol metabolism in dog and rat liver 10,000g supernatant fractions. Vu VT, et al. **Drug Metab Dispos** 1980 Sep–Oct;8(5):300–4

Pharmacokinetics and pharmacodynamics of propranolol stereoisomers in hyperthyroid patients. Tawara K, et al. **Eur J Clin Pharmacol** 1981 Feb;19(3):197–203

Effect of smoking on the elimination of propranolol hydrochloride. Gardner SK, et al. **Int J Clin Pharmacol Ther Toxicol** 1980 Oct;18(10):421–4

Effects of acute alcohol administration on propranolol absorption. Grabowski BS, et al. **Int J Clin Pharmacol Ther Toxicol** 1980 Jul;18(7):317–9

Nasal absorption of propranolol from different dosage forms by rats and dogs. Hussain A, et al. **J Pharm Sci** 1980 Dec; 69(12):1411–3

Ocular absorption of propranolol in rabbits. Hussain A, et al. **J Pharm Sci** 1980 Jun;69(6):738–9

Chronic dog intestinal loop model for studying drug absorption as exemplified by beta-adrenoreceptor blocking agents, atenolol and propranolol. Taylor DC, et al. **J Pharm Sci** 1981 May;70(5):516–21

Influence of the route of administration on the mean hepatic extraction ratio of propranolol in the rat. Suzuki T, et al. **J Pharmacobiodyn** 1980 Nov;3(11):603–11

Pharmacokinetics of propranolol isomers and their relationships with beta adrenoceptor blocking activity in rabbits administered with dl-propranolol. Kawashima K, et al. **J Pharmacol Exp Ther** 1980 Jun;213(3):628–31

The inhibitory effect of propranolol pretreatment on its own metabolism in the rat. Schneck DW, et al. **J Pharmacol Exp Ther** 1981 Sep;218(3):575–81

Cimetidine and bioavailability of propranolol [letter] Donovan MA, et al. **Lancet** 1981 Jan 17;1(8212):164

Pharmacokinetic interaction between propranolol and chlorpromazine in schizophrenic patients [letter] Peet M, et al. **Lancet** 1980 Nov 1;2(8201):978

Reduction of liver blood flow and propranolol metabolism

by cimetidine. Feely J, et al. **N Engl J Med** 1981 Mar 19; 304(12):692–5

No enhanced elimination of propranolol in patients with hyperthyroidism. Ishizaki T, et al.
Res Commun Chem Pathol Pharmacol 1980 Sep; 29(3):473–85

Aromatic hydroxylation of propranolol. Stereochemical aspects of the formation of 4'-hydroxypropranolol in the rat. Powell ML, et al.
Res Commun Chem Pathol Pharmacol 1980 Dec; 30(3):387–400

First-pass effect and intrinsic clearance of propranolol and pindolol in the isolated perfused rat liver. Basset HM, et al. **S Afr Med J** 1980 Dec 13;58(24):971–3

[Effect of portasystemic anastomoses in childhood on propranolol pharmacokinetics] Cario WR, et al.
Schweiz Med Wochenschr 1981 Jul 18;111(29):1088–93 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Variations in serum T3, rT3, 3,3'-diiodothyronine and 3',5'-diiodothyronine induced by acute myocardial infarction and propranolol. Faber J, et al.
Acta Endocrinol (Copenh) 1980 Jul;94(3):341–5

Relation between ST-depression and chest pain in patients with coronary heart disease receiving no treatment and after beta-blockade and combined alpha-beta-blockade. Nyberg G, et al. **Acta Med Scand [Suppl]** 1981;644:30–3

The effect of propranolol on the electroencephalogram in normal and ethanol dependent rats. Hemmingsen R, et al.
Acta Pharmacol Toxicol (Copenh) 1980 Aug;47(2):107–111

Functional and metabolic effects of terbutaline and propranolol in fast- and slow-contracting skeletal muscle in vitro. Fellenius E, et al. **Acta Physiol Scand** 1980 May; 109(1):89–95

Effect of propranolol on cyclic nucleotides of ischemic dog heart. Ogawa K, et al. **Adv Myocardiol** 1980;2:449–55

Effect of diphenylhydantoin and propranolol on some centrogenic arrhythmias in rats. Safta L, et al.
Agressologie 1980;21(2):101–4

Altered exercise ventilatory responses by apparent propranolol-diminished glucose metabolism: implications concerning impaired physical training benefit in coronary patients. Hossack KF, et al. **Am Heart J** 1981 Sep;102(3 Pt 1):378–82

Alkalosis-induced coronary vasoconstriction: effects of calcium, diltiazem, nitroglycerin, and propranolol. Yasue H, et al. **Am Heart J** 1981 Aug;102(2):206–10

Effect of propranolol on postexercise left ventricular ejection time index. Boudoulas H, et al. **Am J Cardiol** 1981 Aug; 48(2):357–60

Shortened platelet survival time and enhanced heart rate responses after abrupt withdrawal of propranolol from normal subjects. Goldstein RE, et al. **Am J Cardiol** 1981 May;47(5):1115–22

Effect of adrenergic agonists on progesterone production by human placental cells in culture. Caritis SN, et al.
Am J Obstet Gynecol 1980 Nov 15;138(6):677–80

Abnormalities of volume regulation and membrane integrity in myocardial tissue slices after early ischemic injury in the dog: effects of mannitol, polyethylene glycol, and propranolol. Buja LM, et al. **Am J Pathol** 1981 Apr; 103(1):79–95

Direct metabolic effects of isoproterenol and propranolol in ischemic myocardium of the dog. Goodlett M, et al.
Am J Physiol 1980 Oct;239(4):H469–H476

The pharmacology of propranolol [letter] Yates RA, et al. **Am J Psychiatry** 1981 Mar;138(3):395

Propranolol alters renin release during nitroprusside-induced hypotension and prevents hypertension on discontinuation of nitroprusside. Khambatta HJ, et al.
Anesth Analg (Cleve) 1981 Aug;60(8):569–73

Effect of propranolol on circulatory responses to induction of diazepam-nitrous oxide anesthesia and to endotracheal intubation. McCammon RL, et al. **Anesth Analg (Cleve)** 1981 Aug;60(8):579–83

Hormonal and hemodynamic changes induced by pentolinium and propranolol during surgical correction of scoliosis. Knight PR, et al. **Anesthesiology** 1980 Aug; 53(2):127–34

Effects of propranolol on the cardiovascular and renin-angiotensin systems during hypotension produced by sodium nitroprusside in humans. Marshall WK, et al.
Anesthesiology 1981 Sep;55(3):277–80

Effects of reserpine, propranolol, and aminophylline on seizure activity and CNS cyclic nucleotides. Gross RA, et al. **Ann Neurol** 1979 Oct;6(4):296–301

Antagonism of calmodulin by local anesthetics, mepacrine, and propranolol. Volpi M, et al. **Ann NY Acad Sci** 1980; 356:441–2

Effect of adrenoceptor blocker and MAOI on postcoital utero-oviductal contractility, sperm transport, and sperm attachment to eggs in rabbits. Marsafy YM, et al.
Arch Androl 1981 Jun;6(4):307–16

Effect of isoproterenol and propranolol on the mast cell degranulation and on the passive cutaneous anaphylaxis in mice. Małolepszy J, et al.
Arch Immunol Ther Exp (Warsz) 1980;28(6):873–8

Comparative antiarrhythmic activity of quinidine combined with propranolol and with sotalol. Lawson JW, et al.
Arch Int Pharmacodyn Ther 1981 Jan;249(1):72–86

Influence of propranolol and acebutolol on isoprenaline-induced changes in heart rate and peripheral blood flow in man. Mougeot G, et al.
Arch Int Pharmacodyn Ther 1981 May;251(1):116–25

Influence of propranolol on catecholamine concentration in blood of normotensive man during physical exercise and dependence of the drug effect on dosage intervals. Planz G, et al. **Arch Int Pharmacodyn Ther** 1980;Suppl:58–66

Cyclic nucleotide phosphodiesterase in the aorta of spontaneously hypertensive rats : variation with age and effect of propranolol. Bucher B, et al. **Artery** 1980; 7(1):44–55

Intraindividual variability of plasma cholesterol and triglycerides and the effect of propranolol treatment. Rühling K, et al. **Artery** 1980;8(2):140–5

The effect of propranolol treatment on total cholesterol, HDL cholesterol, triglycerides. Postheparin lipolytic activity and lecithin:cholesterol acyltransferase in hypertensive individuals. Schauer I, et al. **Artery** 1980; 8(2):146–50

Exercise induced changes of catecholamines and potassium in plasma of dogs after treatment with propranolol. Staib AH, et al. **Arzneimittelforsch** 1980;30(9):1514–7

Effects of propranolol on the biochemical modifications induced by a beta-adrenergic drug in ischemic hearts. Andrieu JL, et al. **Biochem Pharmacol** 1980 Oct 1; 29(19):2687–90

Effect of propranolol on prolyl hydroxylase activity in blood vessels of rats. Iwatsuki K. **Biochem Pharmacol** 1980 Nov 15;29(22):3093–6

Effects of d- and l-propranolol on the responsiveness of human fibroblasts to choleragen and prostaglandin E1. Moss J, et al. **Biochem Pharmacol** 1981 Jun 1;30(11):1263–9

The effect of propranolol on the osmotic fragility of red cells and liposomes and the influence of the drug on glycerol transport across the membrane of red cells. Surewicz KW, et al. **Biochem Pharmacol** 1981 Apr 15;30(8):839–42

Is the diurnal increase of fibrinolytic activity influenced by alpha- or beta-adrenergic blockade? Harenberg J, et al.
Blut 1980 Dec;41(6):455–8

Effect of intravenous propranolol on QT interval [letter] Puddu PE, et al. **Br Heart J** 1980 Nov;44(5):604–5

Effect of isoprenaline and propranolol on left ventricular function as determined by nuclear angiography. Sapru RP, et al. **Br Heart J** 1980 Jul;44(1):75–81

Effects of propranolol on myocardial oxygen consumption, substrate extraction, and haemodynamics in hypertrophic obstructive cardiomyopathy. Thompson DS, et al.
Br Heart J 1980 Nov;44(5):488–98

Effects of propranolol on left ventricular wall movement in patients with ischaemic heart disease. von Bibra H, et al.
Br Heart J 1980 Mar;43(3):293–300

Beta-adrenergic blockade and the metabolic response to surgery. Cooper GM, et al. **Br J Anaesth** 1980 Dec; 52(12):1231–6

Inhibition of the plasma cholinesterase variants by propranolol. Whittaker M, et al. **Br J Anaesth** 1981 May; 53(5):511–6

Inhibitory effects of propranolol on the calcium current of Helix neurones. Akaike N, et al. **Br J Pharmacol** 1981 Jun; 73(2):431–4

Inhibition of lymphocyte capping and transformation by propranolol and related compounds. Anderton BH, et al.
Br J Pharmacol 1981 Jan;72(1):69–74

The effects of (+)- and (-)-propranolol on 3H-transmitter efflux in guinea-pig atria and the presynaptic beta-adrenoceptor hypothesis. Kalsner S.
Br J Pharmacol 1980 Nov;70(3):491–8

Effect of intracisternal 5,-7-dihydroxytryptamine on the acute antihypertensive action of propranolol in the sino-aortic denervated anaesthetized dog. Montastruc JL, et al. **Br J Pharmacol** 1981 Mar;72(3):411–7

Inhibition of metabolic responses to surgery with beta-adrenergic blockade. Tsuji H, et al. **Br J Surg** 1980 Jul;67(7):503–5

Effects of oral propranolol on parathyroid hormone secretion in chronic renal failure. Farrington K, et al. **Br Med J** 1980 Nov 15;281(6251):1320

D-propranolol and DL-propranolol both decrease conversion of L-thyroxine to L-triiodothyronine. Heyma P, et al. **Br Med J** 1980 Jul 5;281(6232):24–5

Propranolol and thyroid hormones [letter] Jones MK, et al. **Br Med J** 1980 Aug 9;281(6237):453–4

Effects of melatonin and propranolol on sleep of the rat. Mendelson WB, et al. **Brain Res** 1980 Nov 10;201(1):240–4

Retrograde amnesia produced by electrical stimulation of the amygdala: attenuation with adrenergic antagonists. Sternberg DB, et al. **Brain Res** 1981 Apr 27;211(1):59–65

In vitro perifusion for the study of parathyroid hormone secretion: effects of extracellular calcium concentration and beta-adrenergic regulation on bovine parathyroid hormone secretion in vitro. Hanley DA, et al. **Calcif Tissue Int** 1980; 32(1):19–27

Metabolism of the perfused rabbit heart. IV. Effects of beta-adrenergic blockade on enzyme release and later energy stores during postanoxic reoxygenation. Chiong MA, et al. **Can J Physiol Pharmacol** 1980 May;58(5):469–76

Modulation of experimental doxorubicin skin toxicity by beta-adrenergic compounds. Dorr RT, et al.
Cancer Res 1981 Jun;41(6):2428–32

Protection of ischemic myocardium: comparison of effects of propranolol, bevantolol and N-dimethyl propranolol on infarct size following coronary artery occlusion in anesthetized dogs. Warltier DC, et al. **Cardiology** 1980; 66(3):133–46

Beta-blockade and ischaemic injury: effects of partial agonist activity. Manning AS, et al. **Cardiovasc Res** 1980 Dec; 14(11):619–23

Attenuation of myocardial acidosis by propranolol during ischaemic arrest and reperfusion: evidence with 31P nuclear magnetic resonance. Pieper GM, et al. **Cardiovasc Res** 1980 Dec;14(11):646–53

Effect of prior administration of aminophylline, caffeine, or propranolol on the antitumor activity of 6-mercaptopurine or 6-mercaptopurine riboside. Sasaki K, et al.
Chem Pharm Bull (Tokyo) 1981 Jan;29(1):276–9

Effects of indomethacin, renal denervation, and propranolol on plasma renin activity in conscious dogs with chronic thoracic caval constriction. Echtenkamp SF, et al.
Circ Res 1981 Aug;49(2):492–500

Adrenergic responsiveness after abrupt propranolol withdrawal in normal subjects and in patients with angina pectoris. Lindenfeld J, et al. **Circulation** 1980 Oct; 62(4):704–11

An in vitro assessment of cellular and humoral immune function in pulmonary tuberculosis: correction of defective neutrophil motility by ascorbate, levamisole, metoprolol and propranolol. Gatner EM, et al. **Clin Exp Immunol** 1980 May;40(2):327–36

Effects of diuretic and propranolol on plasma lipoprotein lipids. Bauer JH, et al. **Clin Pharmacol Ther** 1981 Jul; 30(1):35–43

Effects of metoprolol and propranolol on theophylline elimination. Conrad KA, et al. **Clin Pharmacol Ther** 1980 Oct;28(4):463–7

Effect of atenolol, metoprolol, and propranolol on isoproterenol-induced tremor and tachycardia in normal subjects. Perucca E, et al. **Clin Pharmacol Ther** 1981 Apr; 29(4):425–33

An equilibrium radionuclide technique to assess the effect of propranolol on left ventricular function in thyrotoxicosis. Critchley M, et al. **Clin Radiol** 1980 Nov;31(6):717–22

The effect of prolonged administration of propranolol and timolol on the growth and the heart of growing rabbits. Evemy KL, et al. **Clin Sci** 1981 Jan;60(1):33–40

Effect of propranolol on heart rate, blood pressure and plasma noradrenaline during coitus in the rabbit. Gordon D, et al. **Clin Sci** 1980 Oct;59(4):231–6

Systemic and forearm haemodynamic and metabolic effects of racemic propranolol or D-propranolol in healthy subjects. Hartling OJ, et al. **Clin Sci** 1981 Jun;60(6):675–9

Effect of beta-adrenoceptor blockade on exercise performance and metabolism. Lundborg P, et al.
Clin Sci 1981 Sep;61(3):299–305

A comparison of the acute haemodynamic effects of propranolol and pindolol at rest and during supine exercise in man. Svendsen TL, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:465s–468s

Effect of beta-receptor-blocking agents on cardiovascular structural changes in spontaneous and noradrenaline-induced hypertension in rats. Yamori Y, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:457s–460s

Effect of propranolol treatment on serum prolactin level in schizophrenic patients. Elizur A, et al.
Commun Psychopharmacol 1980;4(3):203–6

Comparison of effect on psychomotor performance of single doses of propranolol and acebutolol. Broadhurst AD.
Curr Med Res Opin 1980;7(1):33–7

Effect of propranolol on the lower oesophageal sphincter in man. Thorpe JA. **Curr Med Res Opin** 1980;7(2):91–5

Effect of beta-adrenergic blockade on plasma dopamine-beta-hydroxylase activity and triiodothyronine in hyperthyroidism. Tanaka T, et al. **Endocrinol Jpn** 1980 Aug;27(4):447–50

Effect of propranolol on glucose-induced insulin response in rats with insulinomas. Yoshino G, et al.
Endocrinol Jpn 1980 Dec;27(6):775–8

Propranolol and the respiratory, circulatory, and ECG responses to high altitude. Boutellier U, et al.
Eur J Applied Physiol 1981;46(2):105–19

Specific protein phosphorylation during stimulation of amylase secretion by beta-agonists or dibutyryl adenosine 3',5'-monophosphate in the rat parotid gland. Jahn R, et al. **Eur J Biochem** 1980 Nov;112(2):345–52

Exercise-induced release of pancreatic polypeptide and its inhibition by propranolol: evidence for adrenergic stimulation. Feurle GE, et al. **Eur J Clin Invest** 1980 Jun; 10(3):249–51

The effect of a single dose of propranolol on human erythrocytes in vivo. Reinhart W, et al.
Eur J Clin Invest 1981 Feb;11(1):65–8

Influence of propranolol and pindolol on the haemodynamic effects of papaverine, isoprenaline and noradrenaline in hypertensive patients. Chu D, et al.
Eur J Clin Pharmacol 1980 Aug;18(2):141–6

Relationship of propranolol pharmacokinetics to antihypertensive effect and beta-adrenergic blockade in the treatment of hypertension. Krediet RT, et al.
Eur J Clin Pharmacol 1980 Nov;18(5):391–4

Comparison of the effects of propranolol and labetalol on renal haemodynamics at rest and during exercise in essential hypertension. Larsen JS, et al. **Eur J Clin Pharmacol** 1980 Aug;18(2):135–9

Inhibition by local anesthetics, phentolamine and propranolol of [3H]quinuclydinyl benzylate binding to central

muscarinic receptors. Aguilar JS, et al. **Eur J Pharmacol** 1980 Dec 5;68(3):317–26

Renal function studies with propildazine alone and in combination with propranolol in dogs. Dorigotti L, et al. **Eur J Pharmacol** 1980 Oct 17;67(2–3):275–82

Relaxation of isolated dog coronary artery induced by propranolol. Sakanashi M, et al. **Eur J Pharmacol** 1981 Mar 5;70(1):83–5

The cardiovascular effects of propranolol in adrenalectomized spontaneously hypertensive rats and the opposing influence of rauwolscine. Van den Bosch RA, et al. **Eur J Pharmacol** 1981 May 22;71(4):505–8

Enhanced depressor reflex by stimulation of superior cervical ganglion and by propranolol. Endy T, et al. **Experientia** 1981 Jan 15;37(1):64–5

Effects of DL–propranolol on the thermoregulatory responses of rats at different ambient temperatures. Lin MT, et al. **Experientia** 1981 Apr 15;37(4):370–1

Differential effects of propranolol on vasoactive intestinal peptide–, and epinephrine–induced glycogenolysis in cultured liver cells. Matsumura M, et al. **Gastroenterol Jpn** 1980;15(4):346–9

A possible antihypertensive mechanism of propranolol: antagonism of angiotensin II enhancement of sympathetic nerve transmission through prostaglandins. Jackson EK, et al. **Hypertension** 1981 Jan–Feb;3(1):23–33

Inhibition of antigen–induced and anti–immunoglobulin–induced capping by hydrocortisone and propranolol. Ashman RF, et al. **Immunopharmacology** 1981 Feb;3(1):41–7

Stimulatory effect of levodopa and propranolol upon plasma growth hormone release in children and adolescents. Reddy CM. **Indian J Pediatr** 1980 Jan–Feb;47(384):85–8

Physiological evidence (hypothermia) for central effects of beta–blocker agents. Ben–Uriah Y, et al. **Int J Neurosci** 1981;14(1–2):41–6

beta–Adrenergic stimulation of respiratory ciliary activity. Verdugo P, et al. **J Appl Physiol** 1980 May;48(5):868–71

Effects of concentration and steric configuration of propranolol on AV conduction and ventricular repolarization in the dog. Brorson L, et al. **J Cardiovasc Pharmacol** 1981 Jul–Aug;3(4):692–703

Time course of plasma levels and electrophysiologic effects of propranolol in man. Riva E, et al. **J Cardiovasc Pharmacol** 1980 Nov–Dec;2(6):707–14

Comparison of the inotropic and chronotropic effects of metoprolol and propranolol. Conrad KA. **J Clin Pharmacol** 1981 May–Jun;21(5–6):213–8

Interaction between aminophylline and beta adrenergic blockers 'propranolol' & 'practolol' on the myocardium and tracheal spirals in experimental animals. el–Gawhary NE, et al. **J Egypt Med Assoc** 1979;62(1–2):171–83

The effect of propranolol on the serum lipids in diabetics with coronary heart disease. Safwat HM, et al. **J Egypt Med Assoc** 1978;61(9–10):577–83

Propranolol in ischaemic–reperfused working rat heart: dissociation of beta–adrenergic blocking and protective effect. Arnim TV, et al. **J Mol Cell Cardiol** 1981 May; 13(5):521–4

The effects of the optical isomers of propranolol on functional refractory period in rat isolated myocardium. Tomlinson DR, et al. **J Pharm Pharmacol** 1980 Oct;32(10):693–6

Combined effects of phenoxybenzamine and propranolol in hypertensive rats. Watanabe Y, et al. **J Pharmacobiodyn** 1980 May;3(5):223–9

Propranolol effects on membrane repolarization time in isolated canine Purkinje fibers: threshold tissue content and the influence of exposure time. Pruett JK, et al. **J Pharmacol Exp Ther** 1980 Nov;215(2):539–43

Alteration of the baroreceptor reflex by an effect of propranolol on the isolated carotid sinus. Schultz HD, et al. **J Pharmacol Exp Ther** 1981 Jan;216(1):111–7

Is the antihypertensive effect of propranolol caused by an action within the central nervous system? Smits JF, et al. **J Pharmacol Exp Ther** 1980 Oct;215(1):221–5

Regional coronary blood flow and coronary vascular reserve in unanesthetized calves at rest and during pharmacologic stress. Manohar M, et al. **J Surg Res** 1981 Feb;30(2):97–109

Lidocaine/propranolol: hemodynamic effects during hypothermia and rewarming. Nicodemus HF, et al. **J Surg Res** 1981 Feb;30(1):6–13

The effect of increasing propranolol doses on cardiac function and myocardial pH during total ischemia. Portnoy VF, et al. **J Surg Res** 1981 Jul;31(1):6–12

Propranolol to lower portal venous pressure [letter] Fleishman SJ. **Lancet** 1981 Feb 14;1(8216):382–3

Neuroendocrine effects of D,L–propranolol [letter] Malas KL, et al. **Lancet** 1981 Aug 22;2(8243):424

In vivo effects of propranolol on some cellular and humoral immune functions in a group of patients with lepromatous leprosy. Anderson R, et al. **Lepr Rev** 1980 Jun;51(2):137–48

Studies of action mechanism of antiglaucoma drugs with a newly developed cat model. Chiou GC, et al. **Life Sci** 1980 Dec 22–29;27(25–26):2445–51

Influence of propranolol, phenoxybenzamine of phentolamine in the in vivo nocturnal rise of pineal melatonin levels in the Syrian hamster. Lipton JS, et al. **Life Sci** 1981 May 21;28(21):2377–82

Effects of propranolol on the adenylate cyclase activities in the arteries and ventricle of dog. Murthy VV. **Life Sci** 1980 Dec 22–29;27(25–26):2645–8

Ocular effects of acebutolol and propranolol. Shapiro A, et al. **Metab Pediatr Ophthalmol** 1980;4(2):87–8

Adrenergic mechanisms of catecholamine action on glucose homeostasis in man. Rizza RA, et al. **Metabolism** 1980 Nov; 29(11 Suppl 1):1155–63

Lanthanum staining of coronary microvascular endothelium: effects of ischemia reperfusion, propranolol, and atenolol. Haack DW, et al. **Microvasc Res** 1981 May;21(3):362–76

Lidocaine–propranolol interactions [letter] Graham CF, et al. **N Engl J Med** 1981 May 21;304(21):1301

Complete blockade by phenoxybenzamine of alpha 1– but not of alpha 2–vascular receptors in dogs and the effects of propranolol. Constantine JW, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Nov; 314(2):149–56

The inhibition by (+/–)–propranolol of the positive inotropic effects of (+/–)–isoprenaline and (–)–noradrenaline. Competitive antagonism and saturable uptake. Ebner F. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Apr; 316(2):96–107

Decrease of some metabolic and physiologic effects of diazoxide by propranolol in rat. Johansson SR, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Apr; 316(2):190–3

Antagonism by chlorisondamine and propranolol, but not by atenolol, of the circadian phase–dependent phentolamine–induced changes in the cardiac noradrenaline turnover in the rat. Lemmer B, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Sep; 313(3):205–12

The cardiodynamic and metabolic effects of carbochromen and propranolol on the isolated dog heart. Simaan J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Nov; 314(2):171–5

Propranolol differentially blocks the methamphetamine–induced depression of tryptophan hydroxylase in various rat brain regions. Bakhit C, et al. **Neurosci Lett** 1981 Apr 9;23(1):99–103

Homocysteine–induced seizures in the mouse cerebral cortex after propranolol pretreatment. Lack of correlation between cyclic adenosine monophosphate levels and phosphorylase activation. Folbergrová J. **Neuroscience** 1981;6(7):1405–11

Effect of sublingual nitroglycerin on left ventricular wall movement in patients with coronary artery disease. Comparison with propranolol and saphenous bypass grafting. Gibson DG, et al. **Nouv Presse Med** 1980 Sep 25;9(34 Suppl):2393–8

Interactions of propranolol with some analgesics. Safta L, et al. **Physiologie** 1980 Jul–Sep;17(3):247–50

Beta–adrenoceptor–blocking drugs, growth hormone and acromegaly. Feely J. **Postgrad Med J** 1980 Apr; 56(654):236–7

Local anesthetics, mepacrine, and propranolol are antagonists of calmodulin. Volpi M, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):795–9

Influence of adrenergic nervous system on vasodilator–induced renin release in the conscious rat. Sinaiko AR. **Proc Soc Exp Biol Med** 1981 May;167(1):25–9

Overview of the role of angiotensin inhibitors in delineating the function of the renin–angiotensin system. McCaa RE. **Prog Biochem Pharmacol** 1980;17:29–35

Differential effects of local anesthetics and propranolol on arachidonic acid and adenosine 5'–diphosphate–induced aggregation in rabbit platelets. Glass F, et al. **Prostaglandins Med** 1980 Aug;5(2):85–92

Effects of propranolol on the locomotor stimulation induced by activation of postsynaptic catecholamine receptors. Hallberg H, et al. **Psychopharmacology (Berlin)** 1981; 72(3):227–31

Pulmonary gas exchange after propranolol in patients with ischaemic heart disease. Jebavý P, et al. **Respiration** 1980; 40(1):38–46

The effect of different doses of chlorhydrate of 1–isopropilamine–3–(1–naphtyl–oxy)–2–propranolol on glycogen of liver cells of pregnant rats and their fetuses. Histochemical and biochemical study. Kulay L Jr, et al. **Rev Bras Pesqui Med Biol** 1980 Apr;13(1–3):15–20

The lack of effect of propranolol on the intestinal phase secretion in the dog. Grabner P, et al. **Scand J Gastroenterol** 1981;16(1):65–70

Cerebroventricular propranolol elevates cerebrospinal fluid norepinephrine and lowers blood pressure. Tackett RL, et al. **Science** 1981 Aug 21;213(4510):911–3

The effect of beta blockade on the reaction of pressure and mesenteric flow to biogenic amines in normal and X–irradiated rats. Timmermans R, et al. **Strahlentherapie** 1981 Mar;157(3):208–12

Effect of acute and chronic beta–blockade on carbon dioxide sensitivity in normal man. Hutchinson PF, et al. **Thorax** 1980 Nov;35(11):869–72

Inhibition of prolyl hydroxylase activity in the aorta of rats by propranolol in vitro. Iwatsuki K. **Tohoku J Exp Med** 1980 Nov;132(3):365–6

Lidocaine uptake in isolated rat hepatocytes and effects of dl–propranolol. Chen CP, et al. **Toxicol Appl Pharmacol** 1980 Aug;55(1):162–8

Phalloidin hepatotoxicity in rats in vivo. Effect of a sympatholytic agent: propranolol. Thevenin M, et al. **Toxicol Lett** 1981 Mar;7(6):425–31

Divergent effects of propranolol and furosemide pretreatment on acute cardiomyopathy induced by minoxidil in beagle dogs. Herman EH, et al. **Toxicology** 1981;20(2–3):155–64

Pharmacologic protection against prolonged ischemia during harvesting and preservation of canine kidneys. Stowe N, et al. **Transplant Proc** 1981 Mar;13(1 Pt 2):699–701

Modification by propranolol of cardiovascular response to hypercapnia during halothane anaesthesia. Sodipo JO, et al. **West Afr J Pharmacol Drug Res** 1979;5(1):1–13

[Clinical significance of the influences of propranolol upon electrocardiographic ST–T changes (author's transl)] Huang JT. **Chung Hua Nei Ko Tsa Chih** 1979;18(6):446–8 **(Chi)**

[Beta–adrenergic receptors and paradoxical sleep in the rat] Lanfumey L, et al. **C R Acad Sci [D] (Paris)** 1981 Mar 2;292(9):645–7 (Eng. Abstr.) **(Fre)**

[Possible effects of propranolol on the estrous cycle of the rat] Bruguerolle B, et al. **C R Soc Biol (Paris)** 1981; 175(1):87–90 (Eng. Abstr.) **(Fre)**

[Endurance after propranolol in the human execution of a general dynamic exercise] Camus G, et al. **C R Soc Biol (Paris)** 1980;174(5):919–24 (Eng. Abstr.) **(Fre)**

[Study of the extrahepatic biliary tract by oral cholecystography after the intravenous administration of propranolol (author's transl)] Heim M, et al. **Nouv Presse Med** 1979 Jan 13;8(2):128 (Eng. Abstr.) **(Fre)**

[Long term comparison between atenolol and a depot form of propranolol hydrochloride on the heart rate and blood pressure at rest and during physical work in normal subjects] Wink K, et al. **Arzneimittelforsch** 1980; 30(8):1298–301 (Eng. Abstr.) **(Ger)**

[Catecholamine–antagonistic effects of propranolol and the mechanical function of ventricular myocardium] Ebner F. **Fortschr Med** 1980 Jun 5;98(21):811–4 (Eng. Abstr.) **(Ger)**

[Effect of a single oral dose of propranolol or metoprolol on the intraocular pressure of persons without glaucoma (author's transl)] Merté HJ, et al. **Klin Monatsbl Augenheilkd** 1980 Jan;176(1):13–5 (Eng. Abstr.) **(Ger)**

[On the cardiovascular and beta–adrenergic blocking effects produced in the beagle dog by repeated oral administration of talinolol (Cordanum) and propranolol (author's transl)] Heer S, et al. **Pharmazie** 1980;34(5–6):317–20 (Eng. Abstr.) **(Ger)**

[Effect of the beta–receptor blockers propranolol and talinolol on glucose–orciprenaline induced insulin secretion, glucose tolerance and the behavior of nonesterified free fatty acids in metabolically normal probands.] Möricke R, et al. **Z Gesamte Inn Med** 1981 Mar; 36(5):263–7 (Eng. Abstr.) **(Ger)**

[Heart rate and blood pressure under psychological and physical laboratory stress in young hypertensive patients following long–term therapy with the beta receptor blocker propranolol] Pietruschka WD, et al. **Z Gesamte Inn Med** 1981 Mar 15;36(6):218–22 (Eng. Abstr.) **(Ger)**

[Essential hypertension with low levels of plasma renin activity: effects of propranolol on aldosteronemia, plasma volume and electrolyte balance] Santucci A, et al. **Clin Ter** 1980 Aug 31;94(4):375–82 **(Ita)**

[Effect of propranolol and pindolol on the ventilatory response to carbonic anhydride] Sergi M, et al. **Minerva Anestesiol** 1979 Apr;45(4):205–10 **(Ita)**

[Cyclic AMP and cyclic GMP in ischemic myocardium and effect of propranolol on those nucleotides (author's transl)] Nakamura T, et al. **Jpn Circ J** 1980 Sep;44 Suppl 3:383–92 **(Jpn)**

[Effect of beta–adrenergic receptor blockade on the contractile responses of various bronchoconstrictors (author's transl)] Izumi T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Jul;18(7):429–34 (Eng. Abstr.) **(Jpn)**

[Effect of propranolol, nifedipine and aminophylline on ST and T changes in spontaneous cardiac rhythm in patients with artificial pacemaker] Swiątecka G. **Kardiol Pol** 1981; 24(5):343–8 (Eng. Abstr.) **(Pol)**

[Effect of adrenergic agonists and antagonists on the pancreatic enzyme release in conditions of cholinergic stimulation (studies in vitro) (author's transl)] Stasiewicz J, et al. **Przegl Lek** 1980;37(12):791–5 (Eng. Abstr.) **(Pol)**

[Behavior of total lipids in placenta of rats subjected to acute stress induced by formaldehyde and previously treated with different doses of 1–isopropylamin–3–(1–naphthyl–oxy)–2–propanol hydrochloride: a histochemical and biochemical study] Kulay Júnior L, et al. **Rev Paul Med** 1980 May–Jun; 95(5–6):85–8 (Eng. Abstr.) **(Por)**

[Effect of different doses of 1–isopropylamine–3–(1–naphthyloxy–2–propanol on total lipids of maternal plasma and hepatocytes of pregnant rats and their offspring subjected to acute stress induced by formaldehyde: histological, histochemical and biochemical study] Kulay Júnior L, et al. **Rev Paul Med** 1980 Jul–Aug; 96(1–2):1–4 (Eng. Abstr.) **(Por)**

[Comparative study of airway responses to histamine and propranolol (author's transl)] Haxhiu MA, et al. **Plucne Bolesti Tuberk** 1980 Jul–Sep;32(3):99–106 (Eng. Abstr.) **(Scr)**

POISONING

Propranolol intoxication. A severe case responding to

norepinephrine therapy. Halloran TJ, et al. **Arch Intern Med** 1981 May;141(6):810–1
A death investigation involving quinidine and propranolol. Quenzer CF, et al. **J Anal Toxicol** 1980 Mar–Apr;4(2):54–7
Self-poisoning with propranolol. Tynan RF, et al. **Med J Aust** 1981 Jan 24;1(2):82–3

THERAPEUTIC USE

Comparison of propranolol and carbimazole as adjuncts to iodine-131 therapy of hyperthyroidism. Aro A, et al. **Acta Endocrinol (Copenh)** 1981 Mar;96(3):321–7
Antihypertensive treatment inhibiting the progression of diabetic nephropathy. Mogensen CE. **Acta Endocrinol [Suppl] (Copenh)** 1980;Suppl 238:103–8
Effect of beta-blocking agents in hyperthyroidism. Földes J, et al. **Acta Med Acad Sci Hung** 1979;36(4):375–80
Propranolol in the treatment of thyrotoxicosis. A randomized double-blind study. Kvetny J, et al. **Acta Med Scand** 1981; 209(5):389–92
Propranolol (Inderal) and clonidine (Catapressan) in the prophylactic treatment of migraine. A comparative trial. Kåss B, et al. **Acta Neurol Scand** 1980 Jun;61(6):351–6
DL-propranolol and chlorpromazine following admission for schizophrenia. A controlled comparison. Yorkston NJ, et al. **Acta Psychiatr Scand** 1981 Jan;63(1):13–27
Drug carriers in cardiovascular pharmacology. Caride VJ. **Adv Cardiol** 1980;27:114–26
Effects of propranolol on cardiac arrhythmias induced by the intracerebroventricular administration of K-strophantin in rats. Ispas M, et al. **Agressologie** 1980;21(4):199–205
Propranolol and chlordiazepoxide effects on cardiac arrhythmias during alcohol withdrawal. Zilm DH, et al. **Alcoholism (NY)** 1980 Oct;4(4):400–5
Propranolol and arrhythmia in hypertrophic cardiomyopathy [letter] Canedo MI, et al. **Am J Cardiol** 1980 Oct; 46(4):704–5
Propranolol: the preferred palliation for tetralogy of Fallot. Garson A Jr, et al. **Am J Cardiol** 1981 May;47(5):1098–104
Clinical efficacy of verapamil alone and combined with propranolol in treating patients with chronic stable angina pectoris. Leon MB, et al. **Am J Cardiol** 1981 Jul;48(1):131–9
Propranolol, chlorpromazine, and tardive dyskinesia [letter] Risch SC, et al. **Am J Psychiatry** 1980 Sep;137(9):1125
Propranolol in the treatment of rage and violent behavior in patients with chronic brain syndromes. Yudofsky S, et al. **Am J Psychiatry** 1981 Feb;138(2):218–20
Clonidine withdrawal, propranolol, and rebound hypertension [letter] Kushins L. **Anesthesiology** 1980 Aug; 53(2):178–9
Influence of non-selective and selective beta adrenoceptor blockade on isoxsuprine-dependent hemodynamic and rheologic changes. Di Perri T, et al. **Angiology** 1981 Apr; 32(4):257–65
Epinephrine-resistant anaphylaxis in a patient taking propranolol hydrochloride. Newman BR, et al. **Ann Allergy** 1981 Jul;47(1):35–7
Treatment of diazepam withdrawal syndrome with propranolol. Abernethy DR, et al. **Ann Intern Med** 1981 Mar;94(3):354–5
Essential tremor treated with propranolol: lack of correlation between clinical effect and plasma propranolol levels. Sørensen PS, et al. **Ann Neurol** 1981 Jan;9(1):53–7
Assessment of prospectively randomized patients receiving propranolol therapy before coronary bypass operation. Wechsler AS. **Ann Thorac Surg** 1980 Aug;30(2):128–36
Propranolol in chronic anxiety disorders. A controlled study. Kathol RG, et al. **Arch Gen Psychiatry** 1980 Dec; 37(12):1361–5
Noncardiac surgery in patients receiving propranolol. Case reports and recommended approach. Goldman L. **Arch Intern Med** 1981 Feb;141(2):193–6
Propranolol withdrawal. Practical considerations [editorial] Rangno RE. **Arch Intern Med** 1981 Feb;141(2):161–2
Treatment of narcolepsy [letter] Clark RW. **Arch Neurol** 1980 Nov;37(11):736
Comparative study of the effects of penbutolol and propranolol in the treatment of angina pectoris. Hillis WS, et al. **Arzneimittelforsch** 1980;30(9):1595–9
Beta adrenoreceptor-blocking drugs once daily in essential hypertension: a comparison of propranolol, pindolol and atenolol. England JD. **Aust NZ J Med** 1981 Feb; 11(1):35–40
Multicentre post-infarction trial of propranolol in 49 hospitals in the United Kingdom, Italy, and Yugoslavia. Baber NS, et al. **Br Heart J** 1980 Jul;44(1):96–100
Effect of oral propranolol on rest and exercise left ventricular ejection fraction, volumes, and segmental wall motion in patients with angina pectoris. Assessment with equilibrium gated blood pool imaging. Dehmer GJ, et al. **Br Heart J** 1981 Jun;45(6):656–66
Treatment of acute myocardial infarction with propranolol. Further studies on enzyme appearance and subsequent left ventricular function in treated and control patients with developing infarcts. Norris RM, et al. **Br Heart J** 1980 Jun;43(6):617–22
Left ventricular function and beta-blockade in chronic ischaemic heart failure. Double-blind, cross-over study of propranolol and penbutolol using non-invasive techniques. Vedin A, et al. **Br Heart J** 1980 Jul;44(1):101–7
Oxyfedrine and propranolol--a controlled trial in angina pectoris. Whittington J, et al. **Br J Clin Pharmacol** 1980 Nov;10(5):439–42
Comparative effects of nifedipine, verapamil, isosorbide dinitrate and propranolol on exercise-induced angina pectoris. De Ponti C, et al. **Br J Clin Prat [Symp Suppl]** 1980;Suppl 8:53–8
A double-blind controlled trial of the anti-anginal efficacy of nifedipine compared with propranolol. Kenmure AC, et al. **Br J Clin Prat [Symp Suppl]** 1980;Suppl 8:49–52
Effects of adalat (nifedipine) on left ventricular hemodynamics in angina pectoris: comparative study with propranolol. Kurita A, et al. **Br J Clin Prat [Symp Suppl]** 1980;Suppl 8:32–6
Active and passive avoidance learning in controls and schizophrenic patients on racemic propranolol and neuroleptics. Gruzelier J, et al. **Br J Psychiatry** 1980 Aug; 137:131–7
Some clinical and metabolic aspects of propranolol in chronic schizophrenia. King DJ, et al. **Br J Psychiatry** 1980 Nov; 137:458–68
Propranolol in chronic schizophrenia: a controlled study in neuroleptic-treated patients. Lindström LH, et al. **Br J Psychiatry** 1980 Aug;137:126–30
Interaction between cigarettes and propranolol in treatment of angina pectoris. Fox K, et al. **Br Med J** 1980 Jul 19; 281(6234):191–3
Combined mexiletine and propranolol treatment of refractory ventricular tachycardia. Leahey EB, et al. **Br Med J** 1980 Aug 2;281(6236):357–8
Objective assessment of antianginal treatment: a double-blind comparison of propranolol, nifedipine, and their combination. Lynch P, et al. **Br Med J** 1980 Jul 19; 281(6234):184–7
Atenolol, sustained-release oxprenolol, and long-acting propranolol in hypertension. Petrie JC, et al. **Br Med J** 1980 Jun 28;280(6231):1573–4
Lack of effect of propranolol and metoprolol on glucose tolerance in maturity-onset diabetics. Woods KL, et al. **Br Med J** 1980 Nov 15;281(6251):1321
Comparison of antianginal actions of verapamil and propranolol. Bowles MJ, et al. **Br Med J [Clin Res]** 1981 May 30;282(6278):1754
Lipid storage myopathy: successful treatment with propranolol. Martyn C, et al. **Br Med J [Clin Res]** 1981 Jun 20;282(6281):1997–9
Adverse interaction between nifedipine and beta-blockade [letter] Staffurth JS, et al. **Br Med J [Clin Res]** 1981 Jan 17;282(6259):225
Propranolol in the treatment of renin-mediated hypertension. Bhagat BD, et al. **Can J Physiol Pharmacol** 1980 Aug; 58(8):889–95
Effect of cardioplegic solution and of propranolol on perioperative infarction after cardiac surgery for unstable angina. Poirier NL, et al. **Can J Surg** 1980 Jul;23(4):387–91
Use of propranolol in treating tardive dyskinesia [letter] Einarson TR. **Can Med Assoc J** 1981 May 15;124(10):1260, 1262
The use of propranolol in treating tardive dyskinesia [letter] Roberts PW. **Can Med Assoc J** 1980 Dec 6;123(11):1106–7
Myocardial and peripheral catecholamine responses to acute coronary artery constriction before and after propranolol treatment in the anaesthetised dog. McGrath BP, et al. **Cardiovasc Res** 1981 Jan;15(1):28–34
Effect of oral propranolol on rest, exercise and postexercise left ventricular performance in normal subjects and patients with coronary artery disease. Marshall RC, et al. **Circulation** 1981 Mar;63(3):572–83
The use of propranolol and nifedipine in the medical management of angina pectoris. Fox KM, et al. **Clin Cardiol** 1981 May;4(3):125–9
The effect of oxprenolol, acebutolol and propranolol on thyroid hormones in hyperthyroid subjects. Jones MK, et al. **Clin Endocrinol (Oxf)** 1980 Oct;13(4):343–7
An in vitro assessment of certain cellular and humoral immune functions in patients with chronic acne. Improved leukocyte function and moderate clinical improvement following propranolol therapy in an uncontrolled trial. Anderson R, et al. **Clin Exp Dermatol** 1980 Dec;5(4):431–9
beta-Adrenoreceptor blockage and genetic hypertension development in rats. Richer C, et al. **Clin Exp Hypertens** 1980;2(1):99–122
Effect of propranolol therapy on aldosterone responses to angiotensin II and adrenocorticotropic hormone in essential hypertension. Golub MS, et al. **Clin Sci** 1981 Jul; 61(1):107–10
Renal blood flow and noradrenaline secretion during treatment with propranolol. de Leeuw PW, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:477s–478s
Double-blind, placebo-controlled, crossover trial of propranolol as treatment for menopausal vasomotor symptoms. Alcoff JM, et al. **Clin Ther** 1981;3(5):356–64
Antagonism of intravenous cocaine lethality in nonhuman primates. Guinn MM, et al. **Clin Toxicol** 1980;16(4):499–508
Basilar artery migraine in a child: excellent response to propranolol. Bahemuka M. **East Afr Med J** 1981 Jan; 58(1):75–9
Cardiovascular responses in hypertensive outpatients starting oral propranolol, determined from the brachial pulse upstroke. Carlisle R, et al. **Eur J Cardiol** 1980;12(1):63–72
Effects and plasma levels of propranolol and metoprolol in hyperthyroid patients. Nilsson OR, et al. **Eur J Clin Pharmacol** 1980 Oct;18(4):315–20
Prophylaxis of migraine and mixed headache. A randomized controlled study. Mathew NT. **Headache** 1981 May; 21(3):105–9
Propranolol induced reduction in serum T3-A biochemical index of beta-adrenergic blockade in hyperthyroidism. Feely J. **Horm Metab Res** 1980;12(6):279–80
Treatment of hyperthyroidism with sodium ipodate (oragrafin) in addition to propylthiouracil and propranolol. Sharp B, et al. **J Clin Endocrinol Metab** 1981 Sep; 53(3):622–5
Treatment with propranolol of the behavioral sequelae of brain damage [letter] Mansheim P. **J Clin Psychiatry** 1981 Mar;42(3):132
The effect of beta adrenergic blockers on the lipoprotein pattern in atherosclerotics. Sharaf M, et al. **J Egypt Med Assoc** 1978;61(11–12):751–5
Comparison of antihypertensive effects of captopril and propranolol in essential hypertension. Huang CM, et al. **JAMA** 1981 Feb 6;245(5):478–82
Propranolol in schizophrenia--more guess than Gauss [editorial] **Lancet** 1980 Sep 20;2(8195 pt 1):627–8
Propranolol in portal hypertension [letter] **Lancet** 1981 May 30;1(8231):1204
Propranolol for portal hypertension [letter] Dominguez P. **Lancet** 1981 Jun 13;1(8233):1322–3
Amplitude of benign essential tremor and response to propranolol [letter] Findley LJ, et al. **Lancet** 1981 Aug 29;2(8244):479–80
Propranolol in prevention of recurrent gastrointestinal bleeding in cirrhotic patients. Lebrec D, et al. **Lancet** 1981 Apr 25;1(8226):920–1
Propranolol in organic agitation [letter] Petrie WM, et al. **Lancet** 1981 Feb 7;1(8215):324
Benzodiazepine withdrawal symptoms and propranolol. Tyrer P, et al. **Lancet** 1981 Mar 7;1(8219):520–2
Neurotransmitters and receptor binding in amygdaloid kindled rats: serotonergic and noradrenergic modulatory effects. Ashton D, et al. **Life Sci** 1980 Oct 27;27(17):1547–56
Suppression of secondary hyperparathyroidism by propranolol in renal failure patients. Besarab A, et al. **Nephron** 1981;27(3):127–33
Correction by propranolol of the abnormal adrenaline discharge induced by emotional stress in cerebral hemorrhage patients. Stoica E, et al. **Neurol Psychiatr (Bucur)** 1980 Apr–Jun;18(2):119–26
Tremor due to sodium valproate [letter] Mattson RH, et al. **Neurology (NY)** 1981 Jan;31(1):114
Atenolol in hypertension: follow-up of patients crossed over to this agent from propranolol, pindolol or metoprolol. Frewin DB, et al. **NZ Med J** 1980 Nov 26;92(672):389–90
Comparison of labetalol and propranolol in treatment of hypertension. Harvald B. **Postgrad Med J** 1980;56 Suppl 2:65–8
Effect of propranolol and labetalol on renal haemodynamics at rest and during exercise in essential hypertension. Pedersen EB, et al. **Postgrad Med J** 1980;56 Suppl 2:27–32
Dextro-propranolol in schizophrenia. Hirsch SR, et al. **Prog Neuropsychopharmacol** 1980;4(6):633–7
Propranolol (Inderal) for tardive dyskinesia and extrapyramidal side effects from neuroleptics: possible involvement of beta-adrenergic mechanisms. Wilbur R, et al. **Prog Neuropsychopharmacol** 1980;4(6):627–32
Effect of propranolol and phenothiazines on electrodermal orienting and habituation in schizophrenia. Gruzelier J, et al. **Psychol Med** 1981 Feb;11(1):93–108
Beta-blocker prophylaxis after myocardial infarction [editorial] **S Afr Med J** 1981 Jun 6;59(24):845–6
Immunological assessment of patients with rheumatoid arthritis--evaluation of the effects of propranolol. Anderson R, et al. **S Afr Med J** 1981 May 2;59(19):666–9
Stress-induced refractory hypertension following acute cerebrovascular events: control with propranolol. Feibel JH, et al. **Trans Am Neurol Assoc** 1979;104:138–41
Clinical observations on propranolol in acute myocardial infarction: hemodynamics and metabolism. Mueller HS. **Triangle** 1980;19(1):27–33
Comparative trial of Tenormin (atenolol) and Inderal (propranolol) in migraine. Stensrud P, et al. **Ups J Med Sci [Suppl]** 1980;Suppl 31:37–40
Preoperative management of proximal lesions of the left coronary artery system: surgical implications. Krebber HJ, et al. **West J Med** 1981 Jun;134(6):491–5
Reflex sympathetic dystrophy of the lower extremity: a complication of herpes zoster with dramatic response to propranolol. Visitsunthorn U, et al. **West J Med** 1981 Jul; 135(1):62–6
[Evaluation of the effects of propranolol on hypertrophic cardiomyopathy by non-invasive technics] Fang WH, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980; 8(1):13–5 **(Chi)**
[The use of propranolol in hyperthyroidism (author's transl)] Kuang YL. **Chung Hua Nei Ko Tsa Chih** 1980 Sep; 19(5):339–41 **(Chi)**
[Respiration after propranolol in patients with ischaemic heart disease (author's transl)] Jebavý P, et al. **Cas Lek Cesk** 1980 Aug 29;119(35):946–50 (Eng. Abstr.) **(Cze)**
[Comparative study on the effects of carbimazole and propranolol in 131I-therapy of hypothyroidism] Aro A, et al. **Duodecim** 1980;96(17):1125–34 (Eng. Abstr.) **(Fin)**
[Changes in left ventricular filling in obstructive cardiomyopathies during long term beta blockade] Roudaut R, et al. **Arch Mal Coeur** 1980;73(3):268–75 (Eng. Abstr.) **(Fre)**

[Propranolol treatment of hemorrhage due to portal hypertension (letter)] Bleichner G, et al. **Nouv Presse Med** 1981 Mar 21;10(13):1072–3 **(Fre)**

[Preoperative preparation of patients with hyperthyroidism using propranolol (letter)] Maunand B, et al. **Nouv Presse Med** 1980 Oct 11;9(37):2744 **(Fre)**

[Value of high dosage propranolol and per-operative hypothermia in thyroidectomy when conventional preparatory treatment is unsuitable (author's transl)] Mellière D, et al. **Nouv Presse Med** 1980 May 10; 9(21):1497–500 (Eng. Abstr.) **(Fre)**

[Selective beta blockaders (metoprolol) versus non selective (propranolol): comparative effects on the composition of lipoprotein fractions and on blood pressure] Bielmann P, et al. **Union Med Can** 1980 Dec;109(12):1734–40 (Eng. Abstr.) **(Fre)**

[Propranolol, triamteren and hydrochlorothiazide in fixed combinations in the treatment of hypertension (author's transl)] Herrmann JM, et al. **Dtsch Med Wochenschr** 1981 Sep 4;106(36):1138–43 (Eng. Abstr.) **(Ger)**

[Long-term treatment of glaucoma with propranolol opthalmic solution (author's transl)] Merté HJ, et al. **Klin Monatsbl Augenheilkd** 1980 Oct;177(4):437–42 (Eng. Abstr.) **(Ger)**

[Treatment of acute myocardial infarction with betareceptor blocking agents. I. Hemodynamic effects of Propranolol in combination with digitalis (author's transl)] Oeff M, et al. **Z Kardiol** 1981 Jun;70(6):445–9 (Eng. Abstr.) **(Ger)**

[Comparative study of the anti-angina effectiveness of nadolol and propranolol] Cremonesi A, et al. **Boll Soc Ital Cardiol** 1979;24(7):741–5 **(Ita)**

[Effect of verapamil on echocardiographic dimensions of the left ventricle in ischemic cardiopathy: comparison with placebo, propranolol and trinitroglycerin] Fonzo R, et al. **Boll Soc Ital Cardiol** 1979;24(6):623–35 **(Ita)**

[Hemodynamic effects of nifedipine in association with nitroderivatives and betablocking drugs (author's transl)] Aquaro G, et al. **G Ital Cardiol** 1980;10(10):1340–8 **(Ita)**

[Changes on release of MB isoenzyme of creatine kinase by propranolol in acute myocardial infarction (author's transl)] Rolli A, et al. **G Ital Cardiol** 1980;10(4):444–51 (Eng. Abstr.) **(Ita)**

[Comparative study of labetolol and propranolol in patients with untreated hypertension] Wessel-Aas T, et al. **Tidsskr Nor Laegeforen** 1981 Mar 30;101(9–10):579–81 (Eng. Abstr.) **(Nor)**

[Effect of propranolol on gastric juice secretion in patients with neurotic syndromes] Chojnacki J, et al. **Pol Tyg Lek** 1980 Aug 11;35(32):1213–5 (Eng. Abstr.) **(Pol)**

[Use of adrenergic beta receptor blockaders in myocardial infarct] Florkiewicz H, et al. **Pol Tyg Lek** 1980 Jun 9; 35(23):853–5 (Eng. Abstr.) **(Pol)**

[Ergometric test in sympatheticotonia after administration of propranolol, pindolol, verapamil and oxazepam] Tkaczewski W, et al. **Pol Tyg Lek** 1980 Jun 9;35(23):867–9 (Eng. Abstr.) **(Pol)**

[Evaluation of the anti-anxiety and side effects of propranolol] Sklodowski H, et al. **Psychiatr Pol** 1980 Sep-Oct;14(5):475–80 (Eng. Abstr.) **(Pol)**

[The morphophysiological bases of propranolol therapy in some transitory myocardial ischemias] Laky D, et al. **Rev Med Interna [Med Interna]** 1980 Mar-Apr;32(2):121–8 (Eng. Abstr.) **(Rum)**

[Use of obsidan in the early post-traumatic period] Vogulkin SE, et al. **Anesteziol Reanimatol** 1981 Mar-Apr;(2):48–9 (Eng. Abstr.) **(Rus)**

[Regional and central hemodynamic changes during the treatment of hypertension with obsidan, apressin and their combination] Erina EV, et al. **Kardiologiia** 1981 Mar; 21(3):14–9 (Eng. Abstr.) **(Rus)**

[Use of obzidan in the acute period of myocardial infarct] Gvatua NA, et al. **Kardiologiia** 1980 Oct;20(10):19–24 (Eng. Abstr.) **(Rus)**

[Anti-angina effectiveness of sustak and obzidan in the acute period of myocardial infarct] Kavtaradze VG, et al. **Kardiologiia** 1980 Nov;20(11):84–6 (Eng. Abstr.) **(Rus)**

[Antifibrillatory activity of propranolol in experimental myocardial infarct and its cardiodepressive and hypotensive action] Urbanics R, et al. **Kardiologiia** 1980 Oct; 20(10):78–81 (Eng. Abstr.) **(Rus)**

[Use of adenylate cyclase inhibitors for treating myopathies] Il'ina NA, et al. **Sov Med** 1980;(8):86–9 **(Rus)**

[Activity of the sympathetic-adrenal system in ischemic heart disease during treatment with obsidan] Orlov VN, et al. **Sov Med** 1981;(1):21–6 (Eng. Abstr.) **(Rus)**

[Importance of obsidan for increasing exercise tolerance in elderly patients with ischemic heart disease] Kotko DN, et al. **Ter Arkh** 1980;52(8):22–5 (Eng. Abstr.) **(Rus)**

[Plasma dopamine beta-hydroxylase activity in hypertension treated with adrenergic beta receptor blockaders] Merkulova NK. **Ter Arkh** 1981;53(1):69–72 (Eng. Abstr.) **(Rus)**

[Prevention of stress damage to the body by antioxidants and the beta-blocker Inderal] Meerson FZ, et al. **Vopr Med Khim** 1980 Nov-Dec;26(6):827–32 (Eng. Abstr.) **(Rus)**

[Hemodynamic reactions to the use of beta-adrenoblockaders in acute myocardial infarct] Golikov AP, et al. **Vrach Delo** 1980 Nov;(11):33–5 (Eng. Abstr.) **(Rus)**

[Effect of obsidan on the dynamics of the myocardial infarct zone in the 1st days of the disease] Ivanova LK. **Vrach Delo** 1980 Oct;(10):15–8 (Eng. Abstr.) **(Rus)**

[Changes in the radiorenography curve in hypertensive patients under the influence of a beta adrenergic antagonist (propranolol)] Atanacković D, et al. **Med Pregl** 1980; 33(3–4):111–5 (Eng. Abstr.) **(Scr)**

[Propanolol in arterial hypertension. Beta-blockaders. Recent advances] Arauco R, et al. **Prensa Med Mex** 1979 May-Jun; 44(5–6):97–104 (99 ref.) **(Spa)**

[Changes in the course of acute renal insufficiency by glycerol] Bondia Román A, et al. **Rev Clin Esp** 1980 Oct 15;159(1):15–20 (Eng. Abstr.) **(Spa)**

[Blood pressure and renal function response in essential hypertension patients, treated with propanolol and submitted to different sodium diets (author's transl)] Chávez de los Ríos JM, et al. **Rev Invest Clin** 1980 Oct-Dec; 32(4):451–7 (Eng. Abstr.) **(Spa)**

TOXICITY

[Evaluation of the potential cardiotoxicity of propranolol-lithium gluconate association (author's transl)] Descotes J, et al. **Ann Endocrinol (Paris)** 1980;41(2):127–31 (Eng. Abstr.) **(Fre)**

PROPRIOCEPTION

Effects of manipulation of the sensorimotor system on focal motor seizures in the monkey. Hosokawa S, et al. **Ann Neurol** 1980 Mar;7(3):222–9, 236–7

Cerebellar dyssynergia in humans--a quantitative analysis. Miller RG, et al. **Ann Neurol** 1980 Dec;8(6):574–9

Somatotopic organization of second order neurons of the eye muscle proprioception. Marini R, et al. **Arch Ital Biol** 1979 Jan;117(1):45–57

Distribution and specific central projections of mechanoreceptors in the thorax and proximal leg joints of locusts. I. Morphology, location and innervation of internal proprioceptor[illegible] pro- and metathorax and their central projections. Br ...ig P, et al. **Cell Tissue Res** 1981; 216(1):57–77

Modulation of proprioceptive transcortical reflexes in the cat with a penicillin epileptic motor focus. Encabo H, et al. **Electroencephalogr Clin Neurophysiol** 1981 Aug; 52(2):127–39

The influence of efferent, proprioceptive, and timing factors on the accuracy of eye-hand tracking. Mather JA, et al. **Exp Brain Res** 1981;43(3–4):406–12

Effects of cerebellar stimulation on abnormal proprioceptive reflexes in spastic primates. Ebner TJ, et al. **Exp Neurol** 1980 Dec;70(3):721–5

Cells of origin of propriospinal connections to cat lumbosacral gray as determined with horseradish peroxidase. Yezierski RP, et al. **Exp Neurol** 1980 Sep; 69(3):493–512

Imbalance on the Weights Test and violence among delinquents. Andrew JM. **Int J Neurosci** 1981;14(1–2):35–40

Learning tools use: visual proprioceptive recalibration and the development of hand skill. Schwartz RK, et al. **Int J Rehabil Res** 1980;3(3):369–71

Hypnotically induced limb anesthesia and adaptation to displacing prisms: a failure to confirm. Spanos NP, et al. **J Abnorm Psychol** 1981 Aug;90(4):329–33

Processing resource demands of failure detection in dynamic systems. Wickens CD, et al. **J Exp Psychol [Hum Percept]** 1980 Aug;6(3):564–77

The relationship between body sway and foot pressure in normal man. Koles ZJ, et al. **J Med Eng Technol** 1980 Nov;4(6):279–85

Weight differences in emotional responsiveness to proprioceptive and pictorial stimuli. McArthur LZ, et al. **J Pers Soc Psychol** 1980 Aug;39(2):308–19

Physiological analysis of the effect of micropolarization on trace processes. Vartanyan GA, et al. **Neurosci Behav Physiol** 1980 Jul-Aug;10(4):365–73

Effect of early motor training on visual and sensomotor cortical evoked potentials in rats. Volokhov AA, et al. **Neurosci Behav Physiol** 1980 Sep-Oct;10(5):460–6

Contralateral effects of upper extremity proprioceptive neuromuscular facilitation patterns. Pink M. **Phys Ther** 1981 Aug;61(8):1158–62

Propioceptive influences from eye muscle receptors on cells of the superior colliculus. Abrahams VC. **Prog Brain Res** 1979;50:325–34

Does extraocular proprioception influence the development of visual processes and the oculomotor system? Buisseret P. **Prog Brain Res** 1979;50:345–52

Peripheral and central organization of the extraocular muscle proprioception in the ungulata. Manni E, et al. **Prog Brain Res** 1979;50:291–9

What are the proprioceptors of the neck? Richmond FJ, et al. **Prog Brain Res** 1979;50:245–54

Proprioceptive and somatosensory influences on neck muscle motoneurons. Rose PK, et al. **Prog Brain Res** 1979; 50:255–62

Slow potentials related to initiation and inhibition of proprioceptively guided movements. Weinberg H. **Prog Brain Res** 1980;54:183–8

Proprioceptive influences on somatosensory and motor cortex. Zarzecki P, et al. **Prog Brain Res** 1979;50:113–9

Proprioceptive neuromuscular facilitation. Knutsson E. **Scand J Rehabil Med [Suppl]** 1980;(7):106–12

Possible role of oculomotor proprioception in the cat. Maffei L. **Trans Ophthalmol Soc UK** 1979;99(3):375–6

Proprioception provides a major input to the horizontal oculomotor system of crayfish. Olivo RF, et al. **Vision Res** 1980;20(4):349–53

[Proprioception of the human tongue. 2.] Meduna J, et al. **Cesk Stomatol** 1980 JUL;80(4):278–3 (Eng. Abstr.) **(Cze)**

[Role of ocular muscle proprioception in the maintenance of body equilibrium with particular reference to the cervical reflex] Ushio N, et al. **Agressologie** 1980; 21(E):143–52 (Eng. Abstr.) **(Fre)**

[Strain sensitivity of the maxillary teeth: studies of proprioceptive properties] Lukas D, et al. **Dtsch Zahnaerztl Z** 1980 Jul;35(7):713–6 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Somatotopic representation of eye muscle proprioception within the superior colliculus of the lamb. Marini R, et al. **Exp Neurol** 1980 Aug;69(2):226–38

Spatial localization after strabismus surgery: evidence for inflow. Steinbach MJ, et al. **Science** 1981 Sep 18; 213(4514):1407–9

PROPYL GALLATE see under **GALLIC ACID**

PROPYLADIPHENIN see **PROADIFEN**

PROPYLAMINE TRANSFERASE see under **TRANSFERASES**

PROPYLAMINES

[The development of dependence and appetite suppressants] Schuler S. **ZFA (Stuttgart)** 1981 Mar 20;57(8):567–70 **(Ger)**

ADMINISTRATION & DOSAGE

Oral chemotherapy in tinnitus. Kay NJ. **Br J Audiol** 1981 May;15(2):123–4

Oral mexiletine in high-risk patients after myocardial infarction. Chamberlain DA, et al. **Lancet** 1980 Dec 20–27; 2(8208–8209):1324–7

Oral mexiletine in high-risk patients after myocardial infarction [letter] Oliver MF. **Lancet** 1981 Apr 4; 1(8223):787

[Effect of using a mexitil preparation in cardiac rhythm disorders] Dimitrov D, et al. **Vutr Boles** 1981;20(1):71–5 (Eng. Abstr.) **(Bul)**

[Possibility of modulating morphine analgesia against a background of activation of serotonin- and GABA-ergic processes] Andreev BV, et al. **Farmakol Toksikol** 1981 Jan-Feb;44(1):34–7 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Torsades de pointes as a manifestation of mexiletine toxicity. Cocco G, et al. **Am Heart J** 1980 Dec;100(6 Pt 1):878–80

Antiarrhythmic effect of the calcium antagonist tiapamil (Ro 11-1781) by intravenous administration in patients with coronary heart disease. Nowak FG, et al. **Clin Cardiol** 1980 Dec;3(6):371–6

METABOLISM

The kinetics of citalopram: single and multiple dose studies in man. Kragh-Sørensen P, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Jan;48(1):53–60

Kinetics and bioavailability of mexiletine in healthy subjects. Häselbarth V, et al. **Clin Pharmacol Ther** 1981 Jun; 29(6):729–36

[Demethylation of N-methylphenylalkylamines and propylhexedrin as well as of their N-formyl- and formyl)N-methoxymethyl analogues by rat liver homogenates (author's transl)] Borchert HH, et al. **Pharmazie** 1981 Apr;36(4):278–80 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Antidepressants and alpha 2-adrenergic autoreceptor desensitization. Siever LJ, et al. **Am J Psychiatry** 1981 May; 138(5):681–2

Bronchodilating effect on mexiletine [letter] De Meirleir K, et al. **Ann Intern Med** 1980 Oct;93(4):640

Replacement of ethanolamine phosphate by 3-aminopropylphosphonate in the phospholipids of Tetrahymena. Smith JD, et al. **Arch Biochem Biophys** 1981 Feb;206(2):420–3

Lipid substitution of mitochondrial monoamine oxidase can lead to the abolition of clorgyline selective inhibition without alteration in the A/B ratio assessed by substrate utilisation. Houslay MD. **Biochem Pharmacol** 1980 Dec 1; 29(23):3211–3

Inhibition of monoamine oxidase by clorgyline and deprenyl in circumventricular structures of rat brain. Kinemuchi H, et al. **Biochem Pharmacol** 1980 Oct 15;29(20):2871–4

The monoamine oxidase inhibitors clorgyline and L-deprenyl also affect the uptake of dopamine, noradrenaline and serotonin by rat brain synaptosomal preparations. Lai JC, et al. **Biochem Pharmacol** 1980 Oct 15;29(20):2763–7

Investigation of the antifibrillatory activity of some anticonvulsant gamma-aminobutyric acid-transaminase inhibitors in the rabbit isolated heart: comparison with phenytoin and mexiletine. Almotrefi AA, et al. **Br J Pharmacol** 1980;71(2):635–9

Effects of mexiletine on transmembrane action potentials as affected by external potassium concentration and by rate of stimulation in guinea-pig papillary muscles. Sada H, et al. **Clin Exp Pharmacol Physiol** 1980 Nov;7(6):583-93

The inability of chronic fluoxetine to potentiate a serotonin mediated effect. Sugrue MF. **Commun Psychopharmacol** 1980;4(2):131-4

Differential effects of clomipramine and clorgyline on the sensitivity of cortical neurons to serotonin: effect of chronic treatment. Olpe HR. **Eur J Pharmacol** 1981 Jan 29; 69(3):375-7

Effects of fluoxetine on a specific serotonergic syndrome in rats. Keshavan HJ, et al. **Indian J Med Res** 1981 Apr; 73:653-7

Effect of tiapamil in the Wolff-Parkinson-White syndrome. Gmeiner R, et al. **J Cardiovasc Pharmacol** 1981 Mar-Apr; 3(2):237-50

The inhibition of tyramine oxidation and the tyramine hypertensive response ('cheese effect') may be independent phenomena. Sandler M, et al. **J Neural Transm** 1980; 48(4):241-7

Alteration of dopamine synthesis in rat striatum subsequent to selective type A monoamine oxidase inhibition. Schoepp DD, et al. **J Neurochem** 1981 Aug;37(2):527-30

The antifibrillatory potency of aprindine, mexiletine, tocainide and lignocaine compared on Langendorff-perfused hearts of rabbits and guinea-pigs. Almotrefi AA, et al. **J Pharm Pharmacol** 1980 Nov; 32(11):746-50

The acetylenic monoamine oxidase inhibitors clorgyline, deprenyl, pargyline and J-508: their properties and applications. Fowler CJ, et al. **J Pharm Pharmacol** 1981 Jun;33(6):341-7 (83 ref.)

Elevation of 3,4-dihydroxyphenylacetic acid concentration by L-5-hydroxytryptophan in control and fluoxetine-pretreated rats. Fuller RW, et al. **J Pharm Pharmacol** 1981 Jun;33(6):406-7

Potentiation of the inhibition of rat liver monoamine oxidase-a by clorgyline after pretreatment with SKF 525A. Fowler CJ. **Med Biol** 1980 Oct;58(5):285-7

Antidepressants and the control of predatory behavior. Schmidt WJ, et al. **Physiol Behav** 1980 Jul;25(1):17-9

Effects of Lilly 110140 (flouxetine) on self-stimulation behavior in the dorsal and ventral regions of the lateral hypothalamus in the mouse. Cazala P. **Psychopharmacology (Berlin)** 1980;71(2):143-6

Effect of citalopram (Lu 10-171) on tranylcypromine and tryptophan-induced wet-dog shakes in rats. Keshavan HJ, et al. **Psychopharmacology (Berlin)** 1980;70(2):209-12

Effects of tetrabenazine and phenylpiperidine analgesics during daily clorgyline treatment. Leander JD. **Psychopharmacology (Berlin)** 1981;74(3):221-5

Citalopram: a new potent inhibitor of serotonin (5-HT) uptake with central 5-HT-mimetic properties. Pawłowski L, et al. **Psychopharmacology (Berlin)** 1981;74(2):161-5

Effects of fluoxetine on electrically-induced spinal cord seizures in rats. Jobe PC, et al. **Res Commun Chem Pathol Pharmacol** 1980 Oct; 30(1):189-92

[Mexitil (Mexiletine). A new antiarrhythmic agent] Bjerregaard P. **Ugeskr Laeger** 1980 Oct 20;142(43):2855-6 **(Dan)**

[Hemodynamic and electrophysiologic effects of the new calcium antagonist Ro 11-1781 (author's transl)] Bödeker K, et al. **Z Kardiol** 1980 Nov;69(11):790-6 (Eng. Abstr.) **(Ger)**

[Hemodynamic effects of a new anti-arrhythmia agent: mexiletine] Tomassetti V, et al. **Boll Soc Ital Cardiol** 1980; 25(1):95-100 (Eng. Abstr.) **(Ita)**

[Mechanism of inhibition by chlorgyline and deprenyl of tyramine deamination by mitochondrial monoamine oxidase of rat liver] Deverina IS. **Biokhimiia** 1980 Oct; 45(10):1897-908 (Eng. Abstr.) **(Rus)**

[Effect of odiphalin and difril on catecholamine concentration in adrenergic nerve fibers of different rat organs] Strinskaia LA, et al. **Biull Eksp Biol Med** 1980 Dec;90(12):698-700 (Eng. Abstr.) **(Rus)**

[Electrophysiologic actions of mexiletine (Kö-1173) in man] González Maqueda I, et al. **Med Clin (Barc)** 1981 Mar 10; 76(5):223-5 (Eng. Abstr.) **(Spa)**

THERAPEUTIC USE

Initial, clinical trial of a new, specific 5-HT reuptake inhibitor, citalopram (Lu 10-171). Gottlieb P, et al. **Acta Psychiatr Scand** 1980 Sep;62(3):236-44

Combined mexiletine and amiodarone treatment of refractory recurrent ventricular tachycardia. Waleffe A, et al. **Am Heart J** 1980 Dec;100(6 Pt 1):788-93

Mexiletine for refractory-ventricular arrhythmias: results using serial electrophysiologic testing. DiMarco JP, et al. **Am J Cardiol** 1981 Jan;47(1):131-8

Mexiletine for ventricular arrhythmias. Podrid PJ, et al. **Am J Cardiol** 1981 Apr;47(4):895-902

Disopyramide and mexiletine: which is the agent of choice in the long term-oral treatment of lidocaine-responsive arrhythmias? Efficacy comparison in a randomized trial. Trimarco B, et al. **Arch Int Pharmacodyn Ther** 1980 Dec; 248(2):251-9

Treatment of resistant supraventricular tachycardia with mexiletine. Slater SD, et al. **Br J Clin Pract** 1980 Aug; 34(8-9):247-50

Combined mexiletine and propranolol treatment of refractory ventricular tachycardia. Leahey EB, et al. **Br Med J** 1980 Aug 2;281(6236):357-8

Mexiletine for supraventricular tachycardia [letter] Slater SD, et al. **Br Med J** 1980 Oct 18;281(6247):1072-3

Mexiletine for ventricular arrhythmia after repair of tetralogy of Fallot. Malcolm ID, et al. **Can Med Assoc J** 1980 Sep 20;123(6):530-2

Influence of an antiarrhythmic premedication on the development of premature ventricular contractions during fiberoptic gastroduodenoscopy. Pristautz H, et al. **Endoscopy** 1981 Mar;13(2):57-9

Mexiletine after myocardial infarction [letter] Gore SM. **Lancet** 1981 Apr 25;1(8226):951

Mexiletine for control of ventricular dysrhythmias in pregnancy [letter] Timmis AD, et al. **Lancet** 1980 Sep 20; 2(8195 pt 1):647-8

Mexiletine and vascular headaches [letter] Scott RM. **NZ Med J** 1981 Feb 11;93(677):92-3

Pre- and postsynaptic serotonergic manipulations in an animal model of depression. Nagayama H, et al. **Pharmacol Biochem Behav** 1980 Oct;13(4):575-9

[The new antiarrhythmia drugs disopyramide and mexiletine] Härtel GU. **Duodecim** 1980;96(5):420-9 **(Fin)**

[The cardiovascular effect of diisopropylaminhydrochloride (Disotat) in non-pregnant hypertensive women] Retzke U, et al. **Z Gesamte Inn Med** 1980 Jul 15;35(14):577-81 (Eng. Abstr.) **(Ger)**

[Management of supraventricular and ventricular arrhythmias with the intravenous administration of the calcium antagonist Tiapamil (Ro 11-1781) (author's transl)] Menzel T, et al. **Z Kardiol** 1981 Mar;70(3):163-71 (Eng. Abstr.) **(Ger)**

[Mexiletin for treatment of ventricular ectopic rhythm in patients with acute myocardial infarction (author's transl)] Merx W, et al. **Z Kardiol** 1980 Apr;69(4):262-7 (Eng. Abstr.) **(Ger)**

[Oral effectiveness of the calcium-antagonist Ro 11-1781 (Tiapamil) in supraventricular and ventricular extrasystoles (author's transl)] Steffen E, et al. **Z Kardiol** 1981 Mar; 70(3):172-5 (Eng. Abstr.) **(Ger)**

[Effects of mexiletine and lidocaine on myocardial performance in heart disease patients in various functional classes] Chiariello M, et al. **Boll Soc Ital Cardiol** 1978; 23(6):1006-14 **(Ita)**

[Multicentric study of the use of thiopropamine in therapy of duodenal ulcer] Di Mario F, et al. **Clin Ter** 1980 May 31;93(4):389-400 (Eng. Abstr.) **(Ita)**

[Controlled clinical study of the effectiveness of a new anti-ulcer drug: thiopropamine] Masoero G. **Clin Ter** 1979 Aug 15;90(3):261-72 **(Ita)**

[Clinical study of the effect of thiopropamine in duodenal ulcer pathology] Monni S, et al. **Clin Ter** 1980 Oct 31; 95(2):171-8 **(Ita)**

[Prolonged treatment with oral mexiletine in severe ventricular extrasystole] Sgammini H, et al. **Arq Bras Cardiol** 1981 Jan;36(1):29-34 (Eng. Abstr.) **(Por)**

[Clinical study of the anti-arrhythmia preparation, mexitil] Kipshidze NN, et al. **Kardiologiia** 1980 Oct;20(10):100-2 **(Rus)**

[Antiarrhythmic effect and influence on myocardial contractile function of the preparation, mexitil] Ol'binskaia LI, et al. **Kardiologiia** 1980;20(12):10-3 (Eng. Abstr.) **(Rus)**

[Use of mexitil in ventricular arrhythmias] Kulikova AG, et al. **Ter Arkh** 1981;53(4):28-31 (Eng. Abstr.) **(Rus)**

PROPYLBENZILYLCHOLINE MUSTARD see under **CHOLINE**

PROPYLENE GLYCOLS see **PROPANEDIOLS**

PROPYLHEXEDRINE see under **PROPYLAMINES**

PROPYLIODONE see under **IODOPYRIDONES**

PROPYLTHIOURACIL

Morphological and biochemical changes in propylthiouracil-diet induced coronary atherosclerosis under a regression regimen. Daoud AS, et al. **Paroi Arterielle** 1979 Dec;5(4):227-34

ADVERSE EFFECTS

Ontogeny of the pituitary-thyroid system in fetal rats: observations on the fetal thyroid after maternal treatment with goitrogen. Eguchi Y, et al. **Anat Rec** 1980 Dec; 198(4):637-42

Transient superior vena cava syndrome due to propylthiouracil therapy in intrathoracic goiter. Hershey CO, et al. **Chest** 1981 Mar;79(3):356-7

Neonatal thyroid function after propylthiouracil therapy for maternal Graves' disease. Cheron RG, et al. **N Engl J Med** 1981 Feb 26;304(9):525-8

Pregnancy and PTU [editorial] Solomon DH. **N Engl J Med** 1981 Feb 26;304(9):538-9

[Propylthiouracil-induced hepatitis and agranulocytosis] Nielsen HK, et al. **Ugeskr Laeger** 1980 Nov 24; 142(48):3189-90 (Eng. Abstr.) **(Dan)**

BLOOD

Studies of propylthiouracil using a newly developed radioimmunoassay. Cooper DS, et al. **J Clin Endocrinol Metab** 1981 Feb;52(2):204-13

METABOLISM

Pharmacokinetics of propylthiouracil upon p.o. administration in man. Ringhand HP, et al. **Int J Clin Pharmacol Ther Toxicol** 1980 Nov;18(11):488-93

PHARMACODYNAMICS

Hepatic microsomal ethanol-oxidizing system (MEOS): increased activity following propylthiouracil administration. Moreno F, et al. **Alcoholism (NY)** 1981 Jan; 5(1):85-91

Effect of 6-n-propyl-2-thiouracil on the rate of ethanol metabolism in rats treated chronically with ethanol. Britton RS, et al. **Biochem Pharmacol** 1980 Nov 1;29(21):2951-5

B-cells of the synovial membrane. IV. Ultrastructural evidence of secretory variations in hypophysectomized or propylthiouracyl-treated mice. Linck G, et al. **Cell Tissue Res** 1981;218(1):123-8

A study of the effects of hypothyroidism induced by propylthiouracil on adrenoceptors and noradrenaline levels in the vas deferens of the rat. Leedham JA, et al. **Clin Exp Pharmacol Physiol** 1981 Mar-Apr;8(2):159-70

Patterns of protein synthesis in livers of Xenopus laevis during metamorphosis: effects of estrogen in normal and thyrostatic animals. May FE, et al. **Dev Biol** 1981 Feb; 82(1):158-67

Homologous radioimmunoassay for canine thyrotropin: response of normal and x-irradiated dogs to propylthiouracil. Quinlan WJ, et al. **Endocrinology** 1981 Mar;108(3):937-42

Influence of cholera toxin on in vitro refractoriness to thyrotropin of thyroids from rats fed propylthiouracil. Zakarija M, et al. **Endocrinology** 1980 Dec;107(6):2045-50

Direct protection against acetaminophen hepatotoxicity by propylthiouracil. In vivo and in vitro studies in rats and mice. Yamada T, et al. **J Clin Invest** 1981 Mar;67(3):688-95

Hypothalamic somatostatin and pituitary and serum growth hormone concentrations during postnatal development in rats exposed chronically to propylthiouracil or a low iodine diet. Walker P, et al. **J Dev Physiol** 1980 Jun;2(3):111-7

Effects of thyroidectomy, propylthiouracil, and thyroxine on pituitary content and immunocytochemical staining of thyrotropin (TSH) and thyrotropin releasing hormone (TRH). Childs GV, et al. **J Histochem Cytochem** 1981 Mar; 29(3):357-63

Formation of the very low density lipoprotein and metabolism of [1-14C]-oleate by perfused livers from rats treated with triiodothyronine or propylthiouracil. Keyes WG, et al. **Metabolism** 1981 Feb;30(2):135-46

[Enzyme histochemical studies on thyroid follicular cell of rats administered either TSH or PTU (author's transl)] Mizukami Y, et al. **Nippon Naibunpi Gakkai Zasshi** 1980 Nov;56(11):1515-26 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Changes in serum N-acetyl-beta-hexosaminidase levels after treatment of hypothyroid and hyperthyroid individuals with L-thyroxine and propylthiouracil. Oberkotter LV, et al. **Clin Chim Acta** 1980 Nov 20;108(1):61-6

Influence of treatment with radioiodine and propylthiouracil on thyroid stimulating immunoglobulins in Graves' disease. Bech K, et al. **Clin Endocrinol (Oxf)** 1980 Nov;13(5):417-24

Dynamics of inhibition of iodothyronine deiodination during propylthiouracil treatment of thyrotoxicosis. Laurberg P, et al. **Horm Metab Res** 1981 May;13(5):289-92

Treatment of hyperthyroidism with sodium ipodate (oragrafin) in addition to propylthiouracil and propranolol. Sharp B, et al. **J Clin Endocrinol Metab** 1981 Sep; 53(3):622-5

TOXICITY

Control of puberty in female rats: the effect of PTU-induced hypothyroidism and systematic undernutrition. Wilen R, et al. **Pediatr Res** 1981 Feb;15(2):169-71

PROSCILLARIDIN see under **BUFANOLIDES**

PROSIMII

ANATOMY & HISTOLOGY

Comparative histochemical study of prosimian primate hindlimb muscles. I. Muscle fiber types. Sickles DW, et al. **Am J Anat** 1981 Feb;160(2):175-86

Comparative histochemical study of prosimian primate hindlimb muscles. II. Populations of fiber types. Sickles DW, et al. **Am J Anat** 1981 Feb;160(2):187-94

Adaptive diversity in subfossil Malagasy prosimians. Jungers WL. **Z Morphol Anthropol** 1980;71(2):177-86

[Comparative anatomical studies on the Jacobson organs of Nycticebus coucang Boddaert, 1785 (Prosimiae, Lorisidae) and Galago crassicaudatus E. Geoffroy, 1812 (Prosimiae, Lorisidae). I. Nycticebus coucang] Hedgewig R. **Gegenbaurs Morphol Jahrb** 1980;126(4):543-93 (Eng. Abstr.) **(Ger)**

PROSPECTIVE STUDIES

Problems in conducting prospective surveys. Rumeau-Rouquette C, et al. **Acta Morphol Acad Sci Hung** 1980;28(1-2):167-75

A note on the comparison of group means based on repeated measurements of the same subject. Lee J. **J Chronic Dis** 1980;33(10):673-5

[Value of prospective studies in oncology] Havemann K, et al. **Verh Dtsch Ges Inn Med** 1980;86:1316-26 **(Ger)**

PROSPIDIUM see under **PIPERAZINES**

PROSTAGLANDIN A ANALOGS see **PROSTAGLANDINS A, SYNTHETIC**

PROSTAGLANDIN ANALOGS see **PROSTAGLANDINS, SYNTHETIC**

PROSTAGLANDIN ANTAGONISTS

Antagonism of prostanoid-induced contractions of rat gastric fundus muscle by SC-19220, sodium meclofenamate, indomethacin or trimethoquinol. Bennett A, et al. **Br J Pharmacol** 1980;71(1):169-75

Prostacyclin inhibition and ulcerogenesis [letter] Jones IR, et al. **Gastroenterology** 1981 Sep;81(3):637

Role of prostaglandins in the formation of aspirin-induced gastric ulcers. Konturek SJ, et al. **Gastroenterology** 1981 Jan;80(1):4-9

Verapamil as a prostaglandin antagonist. Das UN, et al. **Indian J Exp Biol** 1980 Aug;18(8):917-8

Inhibition by ADP of prostaglandin induced accumulation of cyclic AMP in intact human platelets. Macfarlane DE, et al. **J Cyclic Nucleotide Res** 1981;7(1):1-11

Long-lasting inhibition of platelet prostaglandin but normal vascular prostacyclin generation following sulphinpyrazone administration to rats. Livio M, et al. **J Pharm Pharmacol** 1980 Oct;32(10):718-9

Inhibition of prostacyclin and platelet thromboxane A2 by aspirin [letter] **N Engl J Med** 1981 May 7;304(19):1173-5

Inhibition of prostacyclin and platelet thromboxane A2 after low-dose aspirin. Preston FE, et al. **N Engl J Med** 1981 Jan 8;304(2):76-9

Actinomycin inhibits gastric mucosal protection by prostacyclin in rats. Balint GA, et al. **Prostaglandins** 1981 Feb;21(2):255-7

Adverse effects of Tris. HEPES and MOPS buffers on contractile responses of arterial and venous smooth muscle induced by prostaglandins. Altura BM, et al. **Prostaglandins Med** 1980 Aug;5(2):123-30

A new selective antagonist of prostaglandins: 20-methyl-13,14-didehydro-PGF2 alpha. Ceserani R, et al. **Prostaglandins Med** 1979 Jun;2(6):455-7

[Influence of dicinone and taurine on the effects of prostaglandins] Bunin AIa, et al. **Farmakol Toksikol** 1980 May-Jun;43(3):356-8 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Indomethacin intravenously--a new way for effective relief of biliary pain: a double-blind study in man. Thornell E, et al. **Surgery** 1981 Sep;90(3):468-72

ADVERSE EFFECTS

[Hyporeninemic hypoaldosteronism (letter)] Bosch Gil JA, et al. **Med Clin (Barc)** 1981 Mar 25;76(6):282 **(Spa)**

BLOOD

Endogenous inhibitor of prostaglandin biosynthesis in inflammation. Di Rosa M, et al. **Agents Actions** 1980 Sep; 10(4):358-60

Human plasma contains prostaglandin 'reciprocal coupling factor'. Hellewell PG, et al. **Eur J Pharmacol** 1980 Dec 19;68(4):509-11

Prostaglandin synthesis inhibition by maternal and fetal sheep plasma and its relation to haptoglobin and albumin levels. Brennecke SP, et al. **Prostaglandins Med** 1981 Feb; 6(2):243-8

PHARMACODYNAMICS

Prostaglandins E1 and E2 antagonize indomethacin-induced decrease in survival rate of haemorrhagically shocked rats. Perbeck L, et al. **Acta Chir Scand [Suppl]** 1980;Suppl 500:91-4

Ganglionic blocking effect of indomethacin and other prostaglandin synthetase inhibitors. Minker E, et al. **Acta Physiol Acad Sci Hung** 1980;55(3):251-60

Cyclocryokoagulation. Sequelae of induced alterations and effect of a prostaglandin-inhibitor on the breakdown of the blood-aqueous barrier. Haddad R, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 214(2):129-37

The effect of prostaglandin synthesis inhibitors on sodium excretion in the awake rat during acute water and isotonic Ringer loading. Lameire N, et al. **Arch Int Pharmacodyn Ther** 1980 Mar;244(1):141-56

Effect of a prostaglandin antagonist, N-0164, on cAMP generation and hydrolysis in the rat uterus. Vulliemoz Y, et al. **Biochem Pharmacol** 1981 Jul 15;30(14):1941-6

The effect of prostaglandin synthesis inhibitors and diphosphonates on tumour-mediated osteolysis. Galasko CS, et al. **Br J Surg** 1980 Jul;67(7):493-6

Prostaglandin and angiotensin converting enzyme inhibition: effect on blood pressure, renin activity and renal function in hemorrhaged conscious rabbits. Golub MS, et al. **Clin Exp Hypertens** 1981;3(3):477-95

Suppression of thyroid proliferative response to exogenous TSH by prostaglandin synthesis inhibitors. Stuszkiewicz E, et al. **Endocrinol Exp (Bratisl)** 1980 Sep;14(3):227-31

Effect of indomethacin on monoamine metabolism and melatonin synthesis in rat pineal gland. Ritta MN, et al. **Horm Res** 1980;12(6):305-12

Papillary solute concentrations in acute ureteral obstruction. The effect of prostaglandin inhibition. Solomon R, et al. **Invest Urol** 1980 Jul;18(1):36-9

Stimulation of breathing movements in fetal sheep by inhibitors of prostaglandin synthesis. Kitterman JA, et al. **J Dev Physiol** 1979 Dec;1(6):453-66

Effects of prostaglandins and inhibitors of prostaglandin synthesis in the fetus and newborn infant. Rudolph AM, et al. **J Perinat Med** 1981;9 Suppl 1:91-2

Inhibition of prostaglandin biosynthesis by clidanac and related compounds: structural and conformational requirements for PG synthetase inhibition. Tamura S, et al. **J Pharm Pharmacol** 1981 Jan;33(1):29-32

Effects of prostaglandin inhibitors on the onset of proteinuria and stroke in stroke-prone spontaneously hypertensive rats. Nagaoka A, et al. **Jpn J Pharmacol** 1981 Feb;31(1):125-7

Renal effects of drugs that inhibit prostaglandin synthesis. Dunn MJ, et al. **Kidney Int** 1980 Nov;18(5):609-22 (141 ref.)

The effect of inhibitors of prostaglandin synthesis on hematocrits of mice. Critser ES, et al. **Life Sci** 1981 Mar 23;28(12):1381-6

Effect of prostaglandin inhibitor on the uterotrophic response of estradiol and gibberellic acid. Gawienowski AM, et al. **Life Sci** 1980 Oct 13;27(15):1393-6

Prostaglandins and renin production: a review. Franco-Saenz R, et al. **Prostaglandins** 1980 Dec;20(6):1131-43 (70 ref.)

PHYSIOLOGY

A new perspective on dysmenorrhea. The role of prostaglandins and prostaglandin inhibitors. **J Reprod Med** 1980 Oct;25(4 Suppl):191-242

THERAPEUTIC USE

Primary dysmenorrhea treatment with prostaglandin inhibitors: a review. Dingfelder JR. **Am J Obstet Gynecol** 1981 Aug 15;140(8):874-9 (23 ref.)

Prostaglandin inhibition and myocardial infarct size. Jugdutt BI, et al. **Clin Cardiol** 1981 May;4(3):117-24 (69 ref.)

Oral medicine and inhibition of prostaglandin biosynthesis. A preliminary view. Schwartz HS. **J Oral Med** 1980 Jul-Sep;35(3):56-8

The effect of aspirin on dysmenorrhea in adolescents. Klein JR, et al. **J Pediatr** 1981 Jun;98(6):987-90

A rationale for the treatment of dysmenorrhea. Csapo AI. **J Reprod Med** 1980 Oct;25(4 Suppl):213-21 (18 ref.)

Primary dysmenorrhea: the therapeutic challenge. Henzl MR, et al. **J Reprod Med** 1980 Oct;25(4 Suppl):226-35

New era in treatment of dysmenorrhea [news] González ER. **JAMA** 1980 Oct 24-31;244(17):1885-6

Prostaglandin-inhibitor analgesics. **Med Lett Drugs Ther** 1981;23(17):75-6

Effects of prostaglandin inhibition on vasopressin levels in women with primary dysmenorrhea. Strömberg P, et al. **Obstet Gynecol** 1981 Aug;58(2):206-8

[Experience with the treatment of primary dysmenorrhea] Horváth B, et al. **Orv Hetil** 1981 Apr 5;122(14):823-5 **(Hun)**

[Use of a prostaglandin inhibitor in migraine crisis. Study of 40 cases] Werneck Neto AL, et al. **Arq Neuropsiquiatr** 1980 Jun;38(2):140-3 (Eng. Abstr.) **(Por)**

PROSTAGLANDIN E ANALOGS see **PROSTAGLANDINS E, SYNTHETIC**

PROSTAGLANDIN E-9-KETOREDUCTASE see **HYDROXYPROSTAGLANDIN DEHYDROGENASES**

PROSTAGLANDIN ENDOPEROXIDE ANALOGS see **PROSTAGLANDIN ENDOPEROXIDES, SYNTHETIC**

PROSTAGLANDIN ENDOPEROXIDES

Interactions of prostaglandin H2 and thromboxane A2 with human serum albumin. Maclouf J, et al. **Eur J Biochem** 1980 Aug;109(2):561-6

ADMINISTRATION & DOSAGE

Prostaglandins in peripheral vascular disease [letter] Pardy BJ, et al. **Lancet** 1980 Dec 13;2(8207):1312

BIOSYNTHESIS

Dual effects of a basic anti-inflammatory agent, 2-aminomethyl-4-t-butyl-6-iodophenol hydrochloride (MK-447), on biosynthesis of prostaglandin endoperoxides. Harada Y, et al. **Jpn J Pharmacol** 1980 Aug;30(4):549-57

Nephrotic syndrome: increased platelet prostaglandin endoperoxide formation, hyperaggregability, and reduced platelet life span. Reversal following remission. Stuart MJ, et al. **Pediatr Res** 1980 Sep;14(9):1078-81

Aggregation and inhibition of rat platelets, and the formation of endoperoxide metabolites. Hwang DH. **Prostaglandins Med** 1980 Sep;5(3):163-73

BLOOD

Role of prostaglandin endoperoxides in the serum thiobarbituric acid reaction. Shimizu T, et al. **Arch Biochem Biophys** 1981 Feb;206(2):271-6

CHEMICAL SYNTHESIS

Synthetic studies on Prostanoids. XX. Synthesis of stable (+/-)-prostaglandin H1 analogs. Sakai K, et al. **Chem Pharm Bull (Tokyo)** 1980 Jun;28(6):1814-9

METABOLISM

Transformations of prostaglandin H2 in the cat brain. Bishai I, et al. **Biochim Biophys Acta** 1981 Apr 23;664(1):1-9

Prostaglandin endoperoxide metabolism by bovine cerebral microvessels. Gerritsen ME, et al. **Biochim Biophys Acta** 1980 Aug 11;619(2):196-206

Synthesis of cyclooxygenase products by human anterior uvea from cyclic prostaglandin endoperoxide (PGH2). Kulkarni PS. **Exp Eye Res** 1981 Feb;32(2):197-204

Synthesis of prostacyclin from platelet-derived endoperoxides by cultured human endothelial cells. Marcus AJ, et al. **J Clin Invest** 1980 Nov;66(5):979-86

Metabolism of prostaglandin endoperoxide by microsomes from cat lung. She HS, et al. **Prostaglandins** 1981 Apr; 21(4):531-9

PHARMACODYNAMICS

Comparison of the actions of U-46619, a prostaglandin H2-analogue, with those of prostaglandin H2 and thromboxane A2 on some isolated smooth muscle preparations. Coleman RA, et al. **Br J Pharmacol** 1981 Jul; 73(3):773-8

PGH2, TxA2 and PGI2 have potent and differentiated actions on human uterine contractility. Wilhelmsson L, et al. **Prostaglandins** 1981 Feb;21(2):277-86

PHYSIOLOGY

[Intermediary endoperoxides, lipid autacoids with a biological role] Nechifor M. **Rev Med Chir Soc Med Nat Iasi** 1980 Jul-Sep;84(3):486, 562 **(Rum)**

PROSTAGLANDIN ENDOPEROXIDES, SYNTHETIC

Vascular responses of the perfused intestine to vasoactive agents during the development of two-kidney, one-clip Goldblatt hypertension in dogs. Greenberg S. **Circ Res** 1981 Jun;48(6 Pt 1):895-906

U-46619, a stable analogue of prostaglandin H2, induces retraction of human platelet-rich plasma clots. Bertelé V, et al. **Thromb Res** 1980 May 1-15;18(3-4):543-5

CHEMICAL SYNTHESIS

Synthetic studies on Prostanoids. XX. Synthesis of stable (+/-)-prostaglandin H1 analogs. Sakai K, et al. **Chem Pharm Bull (Tokyo)** 1980 Jun;28(6):1814-9

Synthesis and biological evaluation of 2.3-diazabicyclo[2.2.1]heptane derivatives as prostaglandin endoperoxide analogs. Kam ST, et al. **J Pharm Sci** 1980 Sep;69(9):1007-10

METABOLISM

Conversion in vitro of prostaglandin endoperoxide into prostaglandins by arteries from pregnant and non-pregnant human uteri. Wallenburg HC, et al. **J Dev Physiol** 1981 Feb;3(1):15-20

PHARMACODYNAMICS

Platelet function studies in coronary heart disease. IX. Increased platelet prostaglandin generation and abnormal platelet sensitivity to prostacyclin and endoperoxide analog in angina pectoris. Mehta J, et al. **Am J Cardiol** 1980 Dec 1;46(6):943-7

Comparison of the actions of U-46619, a prostaglandin H2-analogue, with those of prostaglandin H2 and thromboxane A2 on some isolated smooth muscle preparations. Coleman RA, et al. **Br J Pharmacol** 1981 Jul; 73(3):773-8

The inhibitory action of two thrombin inhibitors (TI-189 and TI-233) on the contractile responses to 5-hydroxytryptamine and prostaglandin endoperoxide analogue (U-44069) in isolated vascular strips. Ho WK, et al. **Br J Pharmacol** 1980;71(2):399-405

Thromboxane and stable prostaglandin endoperoxide analogs stimulate water permeability in the toad urinary bladder. Burch RM, et al. **J Clin Invest** 1980 Dec;66(6):1251-7

Possible generation of potent vasocontracting substance from prostaglandin endoperoxide analogs, human platelets mixture. Shibata S, et al. **J Pharmacol Exp Ther** 1980 Nov; 215(2):357-62

Reactivity of isolated rat and canine pulmonary blood vessels to synthetic prostaglandin endoperoxide (PGH2) analogs.

Chand N, et al. **Prostaglandins Med** 1980 Dec;5(6):469–75

Effects of any epoxymethano stable analogue of prostaglandin endoperoxides (U–46619) on human platelets. di Minno G, et al. **Thromb Haemost** 1981 Apr 30; 45(2):103–6

U-46619, a stable analogue of prostaglandin H2, induces retraction of human platelet-rich plasma clots. Bertelé V, et al. **Thromb Res** 1980 May 1–15;18(3–4):543–5

The cyclic AMP–lowering effect on the stable endoperoxide analog U46619 in human platelets. Bonne C, et al. **Thromb Res** 1980 Dec 1–15;20(5–6):701–4

PROSTAGLANDIN F ANALOGS see **PROSTAGLANDINS F, SYNTHETIC**

PROSTAGLANDIN-9-HYDROXY DEHYDROGENASE see **HYDROXYPROSTAGLANDIN DEHYDROGENASES**

PROSTAGLANDIN-15-HYDROXY DEHYDROGENASE see **HYDROXYPROSTAGLANDIN DEHYDROGENASES**

PROSTAGLANDIN INHIBITORS see **PROSTAGLANDIN ANTAGONISTS**

PROSTAGLANDIN-13,14-REDUCTASE see under **OXIDOREDUCTASES**

PROSTAGLANDIN SYNTHASE

ANALYSIS

Effect of dexamethasone on cyclo–oxygenase activity in reno–medullary cells in culture. Russo–Marie F, et al. **Agents Actions** 1980 Dec;10(6):516–9

ANTAGONISTS & INHIBITORS

Prostaglandin synthetase inhibitors in the treatment of nephrogenic diabetes insipidus. Monn E. **Acta Paediatr Scand** 1981 Jan;70(1):39–42

Pre– and postjunctional effects of prostaglandin E2, prostaglandin synthetase inhibitors and atropine on cholinergic neurotransmission in guinea pig ileum and bovine iris. Gustafsson L, et al. **Acta Physiol Scand** 1980 Dec;110(4):401–11

Inhibition of arachidonic acid cyclo–oxygenase and lipoxygenase activities of leukocytes by indomethacin and compound BW755C. Randall RW, et al. **Agents Actions** 1980 Dec;10(6):553–5

Radioimmunoassay measurement of stable metabolites of platelet arachidonic acid: a convenient method for the in vitro and ex vivo evaluation of cyclo–oxygenase inhibitors. Patrono C, et al. **Agents Actions [Suppl]** 1980;7:256–9

Prostaglandin synthetase inhibitor in congenital chloride diarrhoea [letter] Castro–Gago M, et al. **Arch Dis Child** 1981 Mar;56(3):238

The action of cyclooxygenase and prostacyclin–synthetase inhibitors on platelet–vessel wall interaction. Bourgain RH, et al. **Artery** 1980;8(1):96–100

Effect of 4'–chloro–5–methoxy–3–biphenylylacetic acid (DKA–9) on prostaglandin synthetase. Shibata Y. **Arzneimittelforsch** 1980;30(7):1074–6

A new antiinflammatory compound, timegadine (N–cyclohexyl–N'–4–[2–methylquinolyl]–N'–2–thiazolylgu which inhibits both prostaglandin and 12–hydroxyeicosatetraenoic acid (12–HETE) formation. Ahnfelt–Rønne I, et al. **Biochem Pharmacol** 1980 Dec; 29(24):3265–9

Inhibition of fatty acid oxygenases by onion and garlic oils. Evidence for the mechanism by which these oils inhibit platelet aggregation. Vanderhoek JY, et al. **Biochem Pharmacol** 1980 Dec 1;29(23):3169–73

Comparison of the inhibition by human serum, haptoglobin and albumin of biosynthesis of various prostaglandins. Denning–Kendall PA, et al. **Biochem Soc Trans** 1981 Feb; 9(1):93–4

Differential effects of cyclo–oxygenase inhibitors and thromboxane synthase inhibitors on rabbit platelet aggregation: evidence for the importance of prostaglandin endoperoxides as mediators in arachidonate–induced aggregation but not in collagen–induced aggregation. Wallis RB, et al. **Biochem Soc Trans** 1980 Dec;8(6):726–7

Potential therapeutic applications of aspirin and other cyclo–oxygenase inhibitors. Farah AE, et al. **Br J Clin Pharmacol** 1980 Oct;10 Suppl 2:261S–278S (204 ref.)

Aspirin inhibition of N–[4–(5–nitro–2–furyl)–2–thiazolyl]formamide–induced lesions of the urinary bladder correlated with inhibition of metabolism by bladder prostaglandin endoperoxide synthetase. Cohen SM, et al. **Cancer Res** 1981 Sep;41(9 Pt 1):3355–9

Angiotensin–II sensitivity and prostaglandin–synthetase inhibition in pregnancy. Jaspers WJ, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 May;11(6):379–84

Temporal relationship between cyclooxygenase inhibition, as measured by prostacyclin biosynthesis, and the gastrointestinal damage induced by indomethacin in the rat. Whittle BJ. **Gastroenterology** 1981 Jan;80(1):94–8

The inhibition of PGI2 synthetase within the arterial wall by 15–hydroperoxyarachidonic acid enhances local white platelet thrombosis. Bourgain RH. **Haemostasis** 1980; 9(6):345–51

Differential effects of two doses of aspirin on platelets–vessel wall introduction in vivo. Wu KK, et al. **J Clin Invest** 1981 Aug;68(2):382–7

Prostaglandin synthetase inhibitors as immunoadjuvants in the treatment of cancer. Goodwin JS. **J Immunopharmacol** 1980;2(4):397–424

Plasma 'prorenin'–renin in Bartter's syndrome, cystic fibrosis, and chloride deficiency, and the effect of prostaglandin synthetase inhibition. Chan LL, et al. **J Lab Clin Med** 1981 Jun;97(6):785–90

Dental pain and adaptive strain; a place for fatty acid cyclo–oxygenase inhibition. Schwartz HS. **J Oral Med** 1981 Apr–Jun;36(2):31–4

Inhibition of prostaglandin biosynthesis by clidanac and related compounds: structural and conformational requirements for PG synthetase inhibition. Tamura S, et al. **J Pharm Pharmacol** 1981 Jan;33(1):29–32

The response and sensitivity to histamine of respiratory tissues from normal and ovalbumin–sensitized guinea pigs: effects of cyclooxygenase and lipoxygenase inhibition. Brink C, et al. **J Pharmacol Exp Ther** 1981 Jun; 217(3):592–601

Orally administered zomepirac and parenterally administered morphine. Comparison for the treatment of postoperative pain. Forrest WH Jr. **JAMA** 1980 Nov 21;244(20):2298–302

Inhibition of prostaglandin synthesizing enzymes by haptoglobin and plasma of rats with inflammation. Komoriya K, et al. **Jpn J Pharmacol** 1980 Dec; 30(6):899–904

Human parturition is not preceded by a withdrawal of prostaglandin synthase inhibition [letter] Brennecke SP, et al. **Lancet** 1981 May 30;1(8231):1215

Prostaglandin mediation of potassium effects on renin release. Lazar JD, et al. **Life Sci** 1980 Oct 6;27(14):1327–33

Do endogenous prostaglandins modulate noradrenergic transmission in the rat isolated perfused vas deferens? Tomlinson DR. **Med Biol** 1980 Apr;58(2):82–6

Pathophysiological states modify levels in rat plasma of factors which inhibit synthesis and enhance breakdown of PG. Moore PK, et al. **Nature** 1980 Nov 20;288(5788):271–3

Anti–inflammatory steroids reduce tissue PG synthetase activity and enhance PG breakdown. Moore PK, et al. **Nature** 1980 Nov 20;288(5788):269–70

Effect of treatment with prostaglandin synthetase inhibitors on the erythrocyte sodium transport abnormality of Bartter's syndrome. Cole CH, et al. **Pediatr Res** 1981 Jun; 15(6):926–9

Multiple sites on prostaglandin cyclooxygenase are determinants in the action of nonsteroidal antiinflammatory agents. Humes JL, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2053–6

Flavonoids and related compounds as inhibition of arachidonic acid peroxidation. Baumann J, et al. **Prostaglandins** 1980 Oct;20(4):627–39

Structure–activity relationships for inhibition of prostaglandin cyclooxygenase by phenolic compounds. Dewhirst FE. **Prostaglandins** 1980 Aug;20(2):209–22

Prostaglandin synthesis inhibitors in ulcerative colitis: flurbiprofen compared with conventional treatment. Rampton DS, et al. **Prostaglandins** 1981 Mar;21(3):417–25

Prostaglandin synthesis inhibition by maternal and fetal sheep plasma and its relation to haptoglobin and albumin levels. Brennecke SP, et al. **Prostaglandins Med** 1981 Feb; 6(2):243–8

Salicylic acid inhibition of the irreversible effect of acetylsalicyclic aicd on prostaglandin synthetase may be due to competition for the enzyme cationic binding site. Peterson DA, et al. **Prostaglandins Med** 1981 Feb; 6(2):161–4

Prostaglandin synthetase inhibitors antagonize hypothermia induced by sedative hypnotics. George FR, et al. **Psychopharmacology (Berlin)** 1981;74(3):241–4

Comparative effects of indoprofen and indomethacin on rat hypothalamic prostaglandin–synthetase activity. Nistico' G, et al. **Res Commun Chem Pathol Pharmacol** 1981 May; 32(2):245–9

Teratology study in the mouse using a prostaglandin and a prostaglandin synthetase inhibitor. Marsk L. **Toxicol Lett** 1980 Oct;6(6):423–6

An inhibitor of the lipoxygenase and cyclooxygenase pathways of arachidonic acid, 5, 8, 11, 14–eicosatetraynoic acid, inhibits immunoglobulin E mediated antigen induced monkey asthma and skin reactions. Patterson R, et al. **Trans Assoc Am Physicians** 1980;93:317–25

BLOOD

A simple method for estimation of lipoxygenase and cyclo–oxygenase pathways in human platelets—the use of thiobarbituric acid reaction. Takayama H, et al. **Thromb Haemost** 1980 Dec 19;44(3):111–4

[Lipoperoxides and cyclooxygenase activity in thrombocytes in relation to the age of healthy subjects and drugs affecting prostaglandin biosynthesis (Acylpyrin, Indren, Erevit forte)] Přikryl P, et al. **Cas Lek Cesk** 1980 May 30; 119(22):621–6 (Eng. Abstr.) **(Cze)**

DEFICIENCY

Interferon–resistant cell line lacks fatty acid cyclooxygenase activity. Chandrabose KA, et al. **Science** 1981 Apr 17; 212(4492):329–31

[Thrombocytopathy caused by congenital cyclo–oxygenase deficiency] Boda Z, et al. **Orv Hetil** 1981 May 10; 122(19):1121–4 **(Hun)**

ISOLATION & PURIFICATION

Purification and characterization of fatty acid cyclooxygenase from human platelets. Ho PP, et al. **Prep Biochem** 1980;10(5):597–613

METABOLISM

Initiation of human parturition. XII. Biosynthesis and metabolism of prostaglandins in human fetal membranes and uterine decidua. Okazaki T, et al. **Am J Obstet Gynecol** 1981 Feb 15;139(4):373–81

Stimulation and inhibition of PGI2 synthetase activity by phospholipids (PL), cholesterol esters (CE), unesterified fatty acids (UFA) and lipoproteins (LDL and HDL). Förster W, et al. **Artery** 1980;8(5):494–500

The appearance of phospholipase and cyclo–oxygenase activities in the human promyelocytic leukemia cell line HL60 during dimethyl sulfoxide–induced differentiation. Bonser RW, et al. **Biochem Biophys Res Commun** 1981 Feb 12;98(3):614–20

Metabolism of paracetamol to a glutathione conjugate catalyzed by prostaglandin synthetase. Moldéus P, et al. **Biochem Biophys Res Commun** 1980 Sep 16;96(1):469–75

Sex difference in stimulatory actions of cofactors on prostaglandin synthetase in microsomes from rat kidney medulla. Hirafuji M, et al. **Biochem Pharmacol** 1980 Oct 1;29(19):2635–7

Hydroperoxyeicosatetraenoic acid: an activator of prostaglandin synthase activity. Narayanan R, et al. **Biochem Soc Trans** 1980 Aug;8(4):449–50

Inhibitors and stimulants of prostaglandin cyclo–oxygenase in stomach extracts. Saeed SA, et al. **Biochem Soc Trans** 1981 Feb;9(1):92–3

Influence of human low density and high density lipoprotein cholesterol on the in vitro prostaglandin I2 synthetase activity. Beitz J, et al. **Biochim Biophys Acta** 1980 Dec 5;620(3):352–5

Stimulation of prostaglandin cyclooxygenase and prostacyclin synthetase activities by estradiol in rat aortic smooth muscle cells. Chang WC, et al. **Biochim Biophys Acta** 1980 Dec 5;620(3):472–82

Cyclooxygenase products of arachidonic acid metabolism by mouse bone in organ culture. Voelkel EF, et al. **Biochim Biophys Acta** 1980 Dec 5;620(3):418–28

Prostaglandin synthetase–dependent cooxidation of (+/–)–benzo(a)pyrene–7,8–dihydrodiol by human lung and other mammalian tissues. Sivarajah K, et al. **Cancer Res** 1981 May;41(5):1834–9

Transport of the renal carcinogen 3–hydroxymethyl–1–([3–(5–nitro–2–furyl)allydidene]amino hydantoin by renal cortex and cooxidative metabolism by prostaglandin endoperoxide synthetase. Zenser TV, et al. **Cancer Res** 1981 Jun;41(6):2032–7

Chronic regulation of rat thyroid prostaglandin synthetase activity by endogenous thyrotropin. Levasseur S, et al. **Endocrinology** 1980 Dec;107(6):2041–4

Acetylation of prostaglandin endoperoxide synthetase with acetylsalicylic acid. Van Der Ouderaa FJ, et al. **Eur J Biochem** 1980 Aug;109(1):1–8

Oxidation reactions by prostaglandin cyclooxygenase–hydroperoxidase. Egan RW, et al. **J Biol Chem** 1981 Jul 25;256(14):7352–61

A free radical mechanism of prostaglandin synthase–dependent aminopyrine demethylation. Lasker JM, et al. **J Biol Chem** 1981 Aug 10;256(15):7764–7

Accumulation of cyclooxygenase products of arachidonic acid metabolism in gerbil brain during reperfusion after bilateral common carotid artery occlusion. Gaudet RJ, et al. **J Neurochem** 1980 Sep;35(3):653–8

Differential effects of dietary fatty acids on the accumulation of arachidonic acid and its metabolic conversion through the cyclooxygenase and lipoxygenase in platelets and vascular tissue. Galli C, et al. **Lipids** 1981 Mar;16(3):165–72

Different sensitivities of prostaglandin–cyclooxygenases in blood platelets and coronary arteries against non–steroidal antiinflammatory drugs. Schrör K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Aug; 313(1):69–76

Conversion of arachidonic acid by lipoxygenase and cyclooxygenase activities: qualitative and quantitative aspects. Galli G, et al. **Prog Food Nutr Sci** 1980;4(5):9–11

Differential influence of lipoproteins isolated from women and men on the activity of the PGI2 synthetase activity. Beitz J, et al. **Prostaglandins Med** 1981 May;6(5):515–8

Cholesterol esters of rat hearts of linoleic acid fed rats stimulate prostaglandin I2 (PGI2) synthetase activity. Beitz J, et al. **Prostaglandins Med** 1981 Jan;6(1):17–21

Lipoxygenase pathway and hydroperoxy acids: possible relevance to aspirin–induced asthma and hyperirritability of airways in asthmatics. Chand N, et al. **Prostaglandins Med** 1981 Feb;6(2):249–56

Pulmonary prostaglandin metabolism during normobaric hyperoxia. Vader CR, et al. **Prostaglandins Med** 1981 Jan; 6(1):101–10

[Changes in prostaglandin synthetase activity in mouse tissues as affected by S–[N–(3–aminopropyl)–2–aminoethyl] thiophosphoric acid] Prianishnikova EN, et al.

Vopr Med Khim 1980 Sep-Oct;26(5):685-8 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Establishment of the interferon-mediated antiviral state: role of fatty acid cyclooxygenase. Pottathil R, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5437-40

RADIATION EFFECTS

[Prostaglandin synthetase activity in the liver, brain and testicles of F1 (CBA X C57B1) mice under gamma irradiation] Nikandrova TI, et al. **Radiobiologiia** 1981 Mar-Apr;21(2):265-9 (Eng. Abstr.) **(Rus)**

PROSTAGLANDIN SYNTHETASE see **PROSTAGLANDIN SYNTHASE**

PROSTAGLANDINS

Abnormalities of the cerebral microcirculation after traumatic injury: the relationship of hypertension and prostaglandins. Kontos HA, et al. **Adv Exp Med Biol** 1980; 131:243-56

Prostaglandin abortions: nurses' action legitimate. **Br Med J [Clin Res]** 1981 Apr 4;282(6270):1164-5

Prostaglandins: an overview. Weisblat DI. **Conn Med** 1981 Mar;45(3):144-7

Surgical induction of endometriosis in the rabbit: effects on fertility and concentrations of peritoneal fluid prostaglandins. Schenken RS, et al. **Fertil Steril** 1980 Dec; 34(6):581-7

Transport of prostaglandins through silicone rubber. Roseman TJ, et al. **J Pharm Sci** 1981 May;70(5):562-6

International prostaglandin conference. Foegh M. **Nature** 1979 Sep 6;281(5726):14-5

A route to tritium labelled 11-methyl prostaglandins. Muccino RR, et al. **Prostaglandins** 1981 Apr;21(4):615-22

Extractive alkylation of prostaglandins. Rosenfeld J, et al. **Prostaglandins** 1981 Jan;21(1):41-7

Albumins stabilize prostaglandin I2. Wynalda MA, et al. **Prostaglandins** 1980 Nov;20(5):853-61

Yale University School of Medicine, Department of Psychiatry, New Haven, Conn. **Z Kinderchir Grenzgeb** 1980 Oct;5(4):322

[Prostaglandins] Desaulniers-Dubois N, et al. **Union Med Can** 1980 Feb;109(2):229-36 (Eng. Abstr.) **(Fre)**

ADMINISTRATION & DOSAGE

Intravenous prostacyclin in thrombotic thrombocytopenic purpura. Fitzgerald GA, et al. **Ann Intern Med** 1981 Sep; 95(3):319-22

Nurses and the medical termination of pregnancy [letter] **Br Med J** 1980 Dec 6;281(6254):1564

Prostaglandins in obstetrics [editorial] **Br Med J [Clin Res]** 1981 Feb 7;282(6262):418-9

Prostaglandins in obstetrics [letter] Lamb MP. **Br Med J [Clin Res]** 1981 Apr 25;282(6273):1398

Intravenous infusion of prostacyclin sodium in man: clinical effects and influence on platelet adenosine diphosphate sensitivity and adenosine 3':5'-cyclic monophosphate levels. Data JL, et al. **Circulation** 1981 Jul;64(1):4-12

Cerebral vasodilation and prostacyclin. The effects of aspirin and meclofenamate in vitro. Chapleau CE, et al. **J Neurosurg** 1980 Aug;53(2):188-92

Prostacyclin therapy of thrombotic thrombocytopenic purpura [letter] Budd GT, et al. **Lancet** 1980 Oct 25; 2(8200):915

Safety of coronary arterial prostacyclin infusion [letter] Hall RJ, et al. **Lancet** 1981 Apr 25;1(8226):949

Intravenous prostacyclin for ischemic ulcers in peripheral artery disease [letter] Olsson AG. **Lancet** 1980 Nov 15; 2(8203):1076

Prostacyclin in extracorporeal circulations [letter] Turney JH, et al. **Lancet** 1981 May 16;1(8229):1101

Prostaglandin gel [letter] Yapp P. **Med J Aust** 1980 Oct 18; 2(8):458

Prevention of ischemic acute tubular necrosis with tris buffer or prostacyclin infusion. Isenberg GA, et al. **Mt Sinai J Med (NY)** 1981 Mar-Apr;48(2):142-5

Use of prostacyclin in regular dialysis therapy. Turney JH, et al. **Proc Eur Dial Transplant Assoc** 1980;17:318-22

Potent bronchoconstrictor effects of aerosolized prostaglandin D2 in dogs. Wasserman MA, et al. **Prostaglandins** 1980 Oct;20(4):703-15

Vaginal prostaglandins and caesarean section [letter] Orford HJ. **S Afr Med J** 1981 Jul 25;60(4):125-6

Preliminary experience with prostaglandins E1 and I2 in peripheral vascular disease. Pardy BJ, et al. **Surgery** 1980 Dec;88(6):826-32

Prostacyclin infusion during cardiopulmonary bypass in man. Rådegran K, et al. **Thromb Res** 1980 Jul 1-15; 19(1-2):267-70

[The role of the cervix in childbirth] Thiery M. **Verh K Acad Geneeskd Belg** 1980;42(2):91-103 (Eng. Abstr.) **(Dut)**

The effects of prostacyclin (PGI2) on endotoxin shock and endotoxin-induced platelet aggregation in dogs. Fletcher JR, et al. **Circ Shock** 1980;7(3):299-308 **(eng)**

ADVERSE EFFECTS

Prostaglandins in obstetrics [letter] Lilford RJ. **Br Med J [Clin Res]** 1981 May 16;282(6276):1628

Do prostaglandins cause gastrointestinal mucosal injury? Northway MG, et al. **Dig Dis Sci** 1981 May;26(5):453-6

Headache mechanisms [news] Page H. **JAMA** 1981 Aug 14; 246(7):715, 719

Is prostacyclin better than nothing for anticoagulation in haemodialysis? [letter] Abuelo JG, et al. **Lancet** 1981 Aug 29;2(8244):470-1

ANALYSIS

Prostaglandins at parturition and in the neonatal infant. Mitchell MD. **Biochem Soc Trans** 1980 Oct;8(5):659-62

Electrochemical detector for high performance liquid chromatography. IV. Analysis of fatty acids, bile acids and prostaglandins by derivatization to an electrochemically active form. Ikenoya S, et al. **Chem Pharm Bull (Tokyo)** 1980 Oct;28(10):2941-7

Liquid chromatography with amperometric reaction detection involving electrogenerated reagents: applications with in-situ generated bromine. King WP, et al. **Clin Chem** 1980 Sep;26(10):1484-91

Prostaglandin-like substances in propionibacterium acnes. V. Activity profiles using cascade superfusion bioassay and platelet aggregation. Abrahamsson S, et al. **Experientia** 1981 Feb 15;37(2):164-6

Studies in menorrhagia: (a) mefenamic acid, (b) endometrial prostaglandin concentrations. Haynes PJ, et al. **Int J Gynaecol Obstet** 1980 May-Jun;17(6):567-72

Prostacyclin activity in amniotic fluid in pre-eclampsia [letter] Bodzenta A, et al. **Lancet** 1980 Sep 20;2(8195 pt 1):650

Inhibitors of platelet aggregation in the fetoplacental unit and myometrium with particular reference to the ADP-degrading property of placenta. Hutton RA, et al. **Placenta** 1980 Apr-Jun;1(2):125-30

High performance liquid chromatography and UV detection for the separation and quantitation of prostaglandins. Terragno A, et al. **Prostaglandins** 1981 Jan;21(1):101-12

[Prostaglandins E2 and F2 alpha concentrations in the synovial fluid in rheumatoid and traumatic knee joint diseases] Egg D, et al. **Z Rheumatol** 1980 May-Jun; 39(5-6):170-5 (Eng. Abstr.) **(Ger)**

[Efflux of prostaglandins in peripheral lymph after experimental burn injury--aspect of early regional edema-formation (author's transl)] Shimizu Y, et al. **Nippon Hifuka Gakkai Zasshi** 1980 Aug;90(9):789-93 **(Jpn)**

[Relationship between myocardial contractile activity and the concentration of endogenous prostaglandins in the heart] Orlova TsR, et al. **Biull Eksp Biol Med** 1980 Nov; 90(11):515-6 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Dietary fatty acids and ischaemic heart disease. Hamilton DV, et al. **Acta Med Scand** 1980;208(5):337-40

In vivo and ex vivo studies of the effect of vitamin E pre-treatment on PGI2 and TXA2 synthesis. Förster W. **Acta Med Scand [Suppl]** 1980;642:47-8

Effect of various agents on prostaglandin biosynthesis and the anti-aggregatory effect. Förster W. **Acta Med Scand [Suppl]** 1980;642:35-46

Modulation of prostaglandin production in tissues by dietary essential fatty acids. Galli C, et al. **Acta Med Scand [Suppl]** 1980;642:171-9

Effect of nicotine on the formation of prostaglandins in the rabbit kidney. Alster P, et al. **Acta Physiol Scand [Suppl]** 1980;(479):49-51

Relationship of inhibition of prostaglandin synthesis in platelets to anti-aggregatory and anti-inflammatory activity of some benzoic acid derivatives. Cerskus I, et al. **Agents Actions** 1981 May;11(3):281-6

Endogenous inhibitor of prostaglandin biosynthesis in inflammation. Di Rosa M, et al. **Agents Actions** 1980 Sep; 10(4):358-60

Possible roles of prostaglandins synthesized and secreted by macrophages in regulating immune responses. Bonney RJ, et al. **Agents Actions [Suppl]** 1980;7:3-9

Novel actions of anti-inflammatory steroids on the prostaglandin system. Moore PK, et al. **Agents Actions [Suppl]** 1980;7:237-41

Shigella endotoxin-induced ocular inflammation in the normal and sensory denervated rabbit eye. Unger WG, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 214(1):39-46

Platelet function studies in coronary heart disease. IX. Increased platelet prostaglandin generation and abnormal platelet sensitivity to prostacyclin and endoperoxide analog in angina pectoris. Mehta J, et al. **Am J Cardiol** 1980 Dec 1;46(6):943-7

Prostaglandins in histiocytosis-X. PG synthesis by histiocytosis-X cells. Gonzalez-Crussi F, et al. **Am J Clin Pathol** 1981 Feb;75(2):243-53

Initiation of human parturition. XII. Biosynthesis and metabolism of prostaglandins in human fetal membranes and uterine decidua. Okazaki T, et al. **Am J Obstet Gynecol** 1981 Feb 15;139(4):373-81

Pulmonary injury and prostaglandin production during endotoxemia in conscious sheep. Demling RH, et al. **Am J Physiol** 1981 Mar;240(3):H348-53

Glutathione peroxidase, selenium, and prostaglandin synthesis in platelets. Doni MG, et al. **Am J Physiol** 1981 May; 240(5):H800-3

Kinin-induced prostaglandin synthesis by renal papillary collecting tubule cells in culture. Grenier FC, et al. **Am J Physiol** 1981 Jul;241(1):F94-104

Prostaglandin synthesis by isolated rat glomeruli: effect of angiotensin II. Schlondorff D, et al. **Am J Physiol** 1980 Nov;239(5):F486-95

Factors affecting the accumulation of polyunsaturated fatty acids in brain and their utilization for prostaglandin synthesis. Galli C, et al. **Ann Nutr Aliment** 1980; 34(2):415-21 (16 ref.)

Effects of prostaglandin and kinin synthesis inhibitors on renal responses to furosemide in normal and low-sodium rats. Chiu PJ, et al. **Arch Int Pharmacodyn Ther** 1981 Feb; 249(2):297-305

Prostaglandin production by cultured mesothelial cells. Coene MC, et al. **Arch Int Pharmacodyn Ther** 1981 Feb; 249(2):316-8

Effect of prostaglandin synthesis inhibitors on clonidine-induced diuresis in rats. Kauker ML, et al. **Arch Int Pharmacodyn Ther** 1981 Jan;249(1):106-15

The action of cyclooxygenase and prostacyclin-synthetase inhibitors on platelet-vessel wall interaction. Bourgain RH, et al. **Artery** 1980;8(1):96-100

The effect of arachidonic- and eicosapentaenoic acid on the synthesis of prostacyclin-like material in human umbilical vasculature. Dyerberg J, et al. **Artery** 1980;8(1):12-7

Effect of proteoglycans (Pg) and glycosaminoglycans (GAG) on prostacyclin (PGI2) and PGI2-formation of rat arteries. Klein K, et al. **Artery** 1980;8(1):37-42

Evidence that thrombus organizing blood derived cells produce prostaglandin I2-. Matejka M, et al. **Artery** 1980; 8(1):43-9

Effect of experimentally induced diabetes on swine vascular prostacyclin (PGI2) synthesis. Silberbauer K, et al. **Artery** 1980;8(1):30-6

The effect of ballooning on minipig aortic prostacyclin formation - a time course. Sinzinger H, et al. **Artery** 1980; 8(1):23-9

Prostaglandin synthesis in aorta of atherosclerosis susceptible and atherosclerosis resistant pigeons. Subbiah MT, et al. **Artery** 1980;8(1):50-5

Low density lipoproteins (LDL) are carriers for lipid peroxides and inhibit prostacyclin (PGI2) biosynthesis in arteries. Szczeklik A, et al. **Artery** 1980;7(6):488-95

Connective tissue activation. XX. Stimulation of prostaglandin secretion by mediators from lymphocytes (CTAP-I) and platelets (CTAP-III). Castor CW, et al. **Arthritis Rheum** 1981 Mar;24(3):504-9

Inhibition of prostaglandin biosynthesis by coumarin, 4-hydroxycoumarin, and 7-hydroxycoumarin. Lee RE, et al. **Arzneimittelforsch** 1981;31(4):640-2

Differential effects of itanoxone--a new hypolipidemic and hypouricemic drug--on platelet and vascular prostaglandin generation in rats. Livio M, et al. **Atherosclerosis** 1981 Jul; 39(4):469-77

Triiodothyronine stimulates prostacyclin production by rat aortic smooth muscle cells in culture. Nakao J, et al. **Atherosclerosis** 1981 Jul;39(4):439-45

Testosterone inhibits prostacyclin production by rat aortic smooth muscle cells in culture. Nakao J, et al. **Atherosclerosis** 1981 May;39(2):203-9

Prostaglandin synthesis by primary cultures of mouse embryo palate mesenchyme cells. Chepenik KP, et al. **Biochem Biophys Res Commun** 1981 Jun 16;100(3):951-8

Metabolism of arachidonic acid and prostaglandin synthesis in the preadipocyte clonal line ob17. Négrel R, et al. **Biochem Biophys Res Commun** 1981 Feb 12;98(3):768-77

Prostanoid synthesis by vascular slices and cultured vascular cells of piglet aorta. Siess W, et al. **Biochem Biophys Res Commun** 1981 Mar 31;99(2):608-16

Inactivation of vascular prostacyclin synthetase by platelet lipoxygenase products. Turk J, et al. **Biochem Biophys Res Commun** 1980 Aug 29;95(4):1628-34

Spectral evidence for the cytochrome P450 nature of prostacyclin synthetase. Ullrich V, et al. **Biochem Pharmacol** 1981 Jul 15;30(14):2033-6

The effect of penicillin and metronidazole on prostaglandin biosynthesis and metabolism in rat large intestine. Craig BA, et al. **Biochem Soc Trans** 1981 Feb;9(1):91-2

Prostacyclin production by cultured endothelium. McEvoy FA, et al. **Biochem Soc Trans** 1980 Dec;8(6):720

Influence of human low density and high density lipoprotein cholesterol on the in vitro prostaglandin I2 synthetase activity. Beitz J, et al. **Biochim Biophys Acta** 1980 Dec 5;620(3):352-5

Age-related decrease in prostacyclin biosynthetic activity in rat aortic smooth muscle cells. Chang WC, et al. **Biochim Biophys Acta** 1980 Oct 6;620(1):159-66

Stimulation of prostacyclin biosynthetic activity by estradiol in rat aortic smooth muscle cells in culture. Chang WC, et al. **Biochim Biophys Acta** 1980 Jul 14;619(1):107-18

Stimulation of prostaglandin cyclooxygenase and prostacyclin synthetase activities by estradiol in rat aortic smooth muscle cells. Chang WC, et al. **Biochim Biophys Acta** 1980 Dec 5;620(3):472-82

Regulation of 3T3-L1 fibroblast differentiation by prostacyclin (prostaglandin I2). Hopkins NK, et al. **Biochim Biophys Acta** 1981 Feb 23;663(2):457-66

Induction of prostacyclin formation by sodium n-butyrate

in a cloned epithelial liver cell line. Koshihara Y, et al. **Biochim Biophys Acta** 1981 May 22;664(2):278–90

Prostaglandin-synthesizing system in rat liver homogenates: ATP shifts arachidonic acid away from cyclooxygenase into phospholipids. Morita I, et al. **Biochim Biophys Acta** 1980 Aug 11;619(2):428–31

Stimulation of cell surface phospholipase A2 and prostaglandin synthesis in 3T2 mouse fibroblasts by phallolysin, a toxin from Amanita phalloides. Shier WT, et al. **Biochim Biophys Acta** 1980 Aug 11;619(2):235–46

Role of platelet-prostaglandin synthesis in shear-induced platelet alterations. Stevens DE, et al. **Blood** 1980 Nov; 56(5):753–8

Inhibition by nicotine of the formation of prostacyclin-like activity in rabbit and human vascular tissue. Sonnenfeld T, et al. **Br J Pharmacol** 1980;71(2):609–13

Factors affecting prostacyclin formation by the rat pregnant myometrium. El Tahir KE, et al. **Br J Pharmacol** 1980; 71(2):641–9

Trapped blood elements within the decidua of the rat pregnant uterus generate a lipoxygenase product(s) which inhibits myometrial prostacyclin synthesis. El Tahir KE, et al. **Br J Pharmacol** 1981 Jul;73(3):695–702

Nicotine inhibits hypoxia- and arachidonate-induced release of prostacyclin-like activity in rabbit hearts. Wennmalm A. **Br J Pharmacol** 1980 Aug;69(4):545–9

Sulphinpyrazone in acute myocardial infarction [letter] Lijnen P, et al. **Br Med J** 1980 Oct 11;281(6246):1005

In-vitro venous prostacyclin production, plasma 6-keto-prostaglandin F1 alpha concentrations, and diabetic retinopathy. Davis TM, et al. **Br Med J [Clin Res]** 1981 Apr 18;282(6272):1259–62

Natural factors modulating the intervention of activated oxygen in the biosynthesis of prostanoids. Deby C, et al. **Bull Eur Physiopathol Respir** 1981;17 Suppl:129–39

Induction of plasminogen activator and prostaglandin biosynthesis in HeLa cells by 12-O-tetradecanoylphorbol-13-acetate. Crutchley DJ, et al. **Cancer Res** 1980 Mar;40(3):849–52

Arachidonic acid metabolism by rat chloroleukemia cells in culture. Ziboh VA, et al. **Cancer Res** 1981 Jan;41(1):12–7

Regulation of histamine-mediated prostacyclin synthesis in cultured human vascular endothelial cells. Baenziger NL, et al. **Cell** 1981 Jun;24(3):915–23

The lung as a generator of prostacyclin. Gryglewski RJ. **Ciba Found Symp** 1980;(78):147–64

Prostaglandin synthesis by glomeruli isolated from rats with glycerol-induced acute renal failure. Sraer JD, et al. **Circ Res** 1981 Sep;49(3):775–83

Release of vasodilator prostaglandin, PGI2, from isolated rat lung during vasoconstriction. Voelkel NF, et al. **Circ Res** 1981 Feb;48(2):207–13

Stimultion by angiotensin of prostacyclin biosynthesis in rats and dogs. Dusting GJ, et al. **Clin Exp Pharmacol Physiol** 1980 Sep–Oct;7(5):545–50

Antihypertensive action of bendroflumethiazide: increased prostacyclin production? Webster J, et al. **Clin Pharmacol Ther** 1980 Dec;28(6):751–8

Prostacyclin production by isolated adipocytes. Axelrod L, et al. **Diabetes** 1981 Feb;30(2):163–7

Angiotensin II and [Sar1, Ile5, Ala8]angiotensin II effect on contractile activity and prostaglandin production of in vitro pregnant rat uteri. Dubin NH, et al. **Endocrinology** 1980 Dec;107(6):1855–60

The structural conformation of the polyphosphate chain of the ATP molecule is critical for its promotion of prostaglandin biosynthesis. Brown CM, et al. **Eur J Pharmacol** 1981 Jan 5;69(1):81–6

The effect of prostaglandin synthesis inhibition of the acute blood pressure reduction by captopril in pentobarbital-anaesthetized rats. Provoost AP. **Eur J Pharmacol** 1980 Aug 8;65(4):425–8

Attenuation by acetaminophen or arachidonic acid-induced coronary vasodilation and output of prostaglandins in the isolated rat heart. Shaffer JE, et al. **Eur J Pharmacol** 1981 Jun 10;72(1):57–61

On the relation between contraction and prostaglandin release in rabbit mesenteric blood vessels. Simmet T, et al. **Eur J Pharmacol** 1980 Aug 8;65(4):325–31

Prostaglandin production by intact isolated gastric parietal cells. Skoglund ML, et al. **Eur J Pharmacol** 1980 Aug 22; 66(1):145–8

Synthesis of cyclooxygenase products by human anterior uvea from cyclic prostaglandin endoperoxide (PGH2). Kulkarni PS. **Exp Eye Res** 1981 Feb;32(2):197–204

Effect of a new anti-inflammatory drug (oxametacine) on the prostaglandin biosynthesis. Franzone JS, et al. **Farmaco [Sci]** 1980 Jun;35(6):498–503

Enhanced thromboxane A2 and prostacyclin production by cultured rectal mucosa in ulcerative colitis and its inhibition by steroids and sulfasalazine. Ligumsky M, et al. **Gastroenterology** 1981 Sep;81(3):444–9

Temporal relationship between cyclooxygenase inhibition, as measured by prostacyclin biosynthesis, and the gastrointestinal damage induced by indomethacin in the rat. Whittle BJ. **Gastroenterology** 1981 Jan;80(1):94–8

The inhibition of PGI2 synthetase within the arterial wall by 15-hydroperoxyarachidonic acid enhances local white platelet thrombosis. Bourgain RH. **Haemostasis** 1980; 9(6):345–51

The effect of ergotamine on prostaglandin formation in guinea pig's ear slices. Zijlstra FJ, et al. **Headache** 1980 Nov;20(6):305–6

Glomerulopressin in dogs' mesenteric blood flow and prostaglandins. del Castillo E, et al. **Horm Metab Res** 1981 Feb;13(2):126–7

Effect of salt on prostaglandin metabolism in hypertension-prone and -resistant Dahl rats. Limas C, et al. **Hypertension** 1981 Mar–Apr;3(2):219–24

Inhibition of murine tumor growth and prostaglandin synthesis by indomethacin. Fulton AM, et al. **Int J Cancer** 1980 Nov 15;26(5):669–73

Prostaglandin and thromboxane synthesis by microsomes of inflamed rabbit ciliary body—iris. Kass MA, et al. **Invest Ophthalmol Vis Sci** 1981 Apr;20(4):442–9

Prostaglandin biosynthesis and metabolism. Kindahl H. **J Am Vet Med Assoc** 1980 May 15;176(10 Spec No):1173–7

Tranylcypromine and 15-hydroperoxyarachidonate affect arachidonic acid release in addition to inhibition of prostacyclin synthesis in calf aortic endothelial cells. Hong SL, et al. **J Biol Chem** 1980 Oct 25;255(20):9538–40

The activation of phosphatidylinositol-hydrolyzing phospholipase A2 during prostaglandin synthesis in transformed mouse BALB/3T3 cells. Hong SL, et al. **J Biol Chem** 1981 May 25;256(10):5215–9

Angiotensin II stimulation of renal prostaglandin synthesis elevates circulating prostacyclin in the dog. Shebuski RJ, et al. **J Cardiovasc Pharmacol** 1980 Sep–Oct;2(5):667–77

Regulation of prostaglandin synthesis during differentiation of cultured mouse myeloid leukemia cells. Honma Y, et al. **J Cell Physiol** 1980 Sep;104(3):349–57

Interaction of vasopressin and prostaglandins in the toad urinary bladder. Bisordi JE, et al. **J Clin Invest** 1980 Dec; 66(6):1200–10

Recovery of prostacyclin production by de-endothelialized rabbit aorta. Critical role of neointimal smooth muscle cells. Eldor A, et al. **J Clin Invest** 1981 Mar;67(3):735–41

Bovine endothelial cells in culture produce thromboxane as well as prostacyclin. Ingerman-Wojenski C, et al. **J Clin Invest** 1981 May;67(5):1292–6

Nitroglycerin stimulates synthesis of prostacyclin by cultured human endothelial cells. Levin RI, et al. **J Clin Invest** 1981 Mar;67(3):762–9

Synthesis of prostacyclin from platelet-derived endoperoxides by cultured human endothelial cells. Marcus AJ, et al. **J Clin Invest** 1980 Nov;66(5):979–86

Chlorpromazine induced cholestasis and prostaglandins [letter] Das UN. **J Indian Med Assoc** 1980 Mar 16;74(6):121

Decreased prostacyclin production in the infant of the diabetic mother. Stuart MJ, et al. **J Lab Clin Med** 1981 Sep;98(3):412–16

Platelet adhesion and mural platelet thrombus formation on aortic subendothelium of rats, rabbits, and guinea pigs correlate negatively with the vascular PGI2 production. Tschopp TB, et al. **J Lab Clin Med** 1981 Sep;98(3):402–11

Synthesis of prostaglandins by cultured rat hearts myocytes and cardiac mesenchymal cells. Ahumada GG, et al. **J Mol Cell Cardiol** 1980 Jul;12(7):685–700

Prostaglandin synthesis by adult heart myocytes. Bolton HS, et al. **J Mol Cell Cardiol** 1980 Nov;12(11):1287–98

Biosynthesis of prostacyclin in rat cerebral microvessels and the choroid plexus. Goehlert UG, et al. **J Neurochem** 1981 Mar;36(3):1192–201

The role of monoamine oxidase in catecholamine-stimulated prostaglandin biosynthesis of rat brain homogenates. Komlós M, et al. **J Pharm Pharmacol** 1980 Aug;32(8):592–3

Long-lasting inhibition of platelet prostaglandin but normal vascular prostacyclin generation following sulphinpyrazone administration to rats. Livio M, et al. **J Pharm Pharmacol** 1980 Oct;32(10):718–9

Relationship between inhibition of prostaglandin production and gastric mucosal damage induced by anti-inflammatory drugs may depend on type of drugs and species [letter] Rainsford KD, et al. **J Pharm Pharmacol** 1981 Feb; 33(2):127–8

The depressor and renal vasodilator responses to dopamine in the rat do not depend on prostaglandin biosynthesis. Robertson MJ, et al. **J Pharm Pharmacol** 1980 Nov; 32(11):782–5

Inhibition of prostaglandin biosynthesis by clidanac and related compounds: structural and conformational requirements for PG synthetase inhibition. Tamura S, et al. **J Pharm Pharmacol** 1981 Jan;33(1):29–32

Interaction between aspirin and paracetamol on the production of prostaglandins in the rat gastric mucosa. van Kolfschoten AA, et al. **J Pharm Pharmacol** 1981 Jul; 33(7):462–3

Metabolism of benzidine by a prostaglandin-mediated process in renal inner medullary slices. Rapp NS, et al. **J Pharmacol Exp Ther** 1980 Nov;215(2):401–6

Differential biosynthesis of prostaglandins by hydronephrotic rabbit and cat kidneys. Reingold DF, et al. **J Pharmacol Exp Ther** 1981 Mar;216(3):510–5

Prostacyclin and thromboxane A2 synthesis by rabbit pulmonary artery. Salzman PM, et al. **J Pharmacol Exp Ther** 1980 Oct;215(1):240–7

Prostaglandin and thromboxane production by the rat uterus and ovary in vitro during the oestrous cycle. Poyser NL, et al. **J Reprod Fertil** 1980 Sep;60(1):33–40

Increased prostacyclin and thromboxane production in man during cardiopulmonary bypass. Ylikorkala O, et al. **J Thorac Cardiovasc Surg** 1981 Aug;82(2):245–7

Vascular smooth muscle reactivity to rabbit aorta contracting substance (RCS) and production of prostacyclin-like substance in normotensive and hypertensive rats. Motomiya T, et al. **Jpn Circ J** 1981 Jun;45(6):680–6

Renal effects of drugs that inhibit prostaglandin synthesis. Dunn MJ, et al. **Kidney Int** 1980 Nov;18(5):609–22 (141 ref.)

Prostaglandins in vascular tone in experimental obstructive nephropathy. Morrison AR, et al. **Kidney Int** 1981 Jun; 19(6):786–90

Rosacea in hot water [editorial] **Lancet** 1981 Mar 21; 1(8221):647

Arterial thrombosis, intrauterine death and 'lupus' antiocoagulant: detection of immunoglobulin interfering with prostacyclin formation. Carreras LO, et al. **Lancet** 1981 Jan 31;1(8214):244–6

Prostacyclin and pre-eclampsia [letter] Carreras LO, et al. **Lancet** 1981 Feb 21;1(8217):442

'Lupus' anticoagulant and prostacyclin [letter] Carreras LO, et al. **Lancet** 1981 Mar 21;1(8221):665

Extract of feverfew inhibits prostaglandin biosynthesis [letter] Collier HO, et al. **Lancet** 1980 Oct 25;2(8200):922–3

Diminished prostacyclin formation in umbilical arteries of babies born to women who smoke [letter] Dadak C, et al. **Lancet** 1981 Jan 10;1(8211):94

Reduced prostacyclin production in pre-eclampsia [letter] Downing I, et al. **Lancet** 1980 Dec 20–27;2(8208–8209):1374

Differential inhibition by low-dose aspirin of human venous prostacyclin synthesis and platelet thromboxane synthesis. Hanley SP, et al. **Lancet** 1981 May 2;1(8227):969–71

Oestrogen containing oral contraceptives, decreased prostacyclin production, and haemolytic uraemic syndrome [letter] Hauglustaine D, et al. **Lancet** 1981 Feb 7; 1(8215):328–9

5-Aminosalicylic acid, a co-factor for colonic prostacyclin synthesis? [letter] Hoult JR, et al. **Lancet** 1981 Aug 1; 2(8240):255

Prostacyclin and pre-eclampsia [letter] Lewis PJ, et al. **Lancet** 1981 Mar 7;1(8219):559

Cumulative inhibitory effect of daily 40 mg aspirin on prostacyclin synthesis [letter] Preston FE, et al. **Lancet** 1981 May 30;1(8231):1211–2

Prostaglandins and pre-eclampsia [letter] Redman CW, et al. **Lancet** 1981 Mar 28;1(8222):731

'Lupus' and prostacyclin formation [letter] Slater D. **Lancet** 1981 Feb 14;1(8216):393

Decrease prostacyclin production: a characteristic of chronic placental insufficiency syndromes. Stuart MJ, et al. **Lancet** 1981 May 23;1(8230):1126–8

Oestrogen containing oral contraceptives decrease prostacyclin production [letter] Ylikorkala O, et al. **Lancet** 1981 Jan 3;1(8210):42

The effect of inhibitors of prostaglandin synthesis on hematocrits of mice. Critser ES, et al. **Life Sci** 1981 Mar 23;28(12):1381–6

Lipopolysaccharide-induced bone resorption is mediated by prostaglandins. Meryon SD, et al. **Life Sci** 1981 Mar 2; 28(9):1061–5

Increased production of prostaglandin D2 in patients with systemic mastocytosis. Roberts LJ 2d, et al. **N Engl J Med** 1980 Dec 11;303(24):1400–4

Platelet-dependent stimulation of prostacyclin synthesis by platelet-derived growth factor. Coughlin SR, et al. **Nature** 1980 Dec 11;288(5791):600–2

Two phospholipase pools for prostaglandin synthesis in macrophages. Hsueh W, et al. **Nature** 1981 Apr 23; 290(5808):710–3

Inhibition of anti-inflammatory drugs of prostaglandin production in cultured macrophages. Brune K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Jan; 315(3):269–76

Deficiency of plasma PGI2-like regenerating activity in neonatal plasma. Reversal by vitamin E in vitro. Stuart MJ. **Pediatr Res** 1981 Jun;15(6):971–3

Inhibition of prostaglandin synthesis by zidometacin. Usardi MM, et al. **Pharmacol Res Commun** 1981 Mar;13(3):301–12

The role of essential fatty acids and prostaglandins. Crawford MA. **Postgrad Med J** 1980 Aug;56(658):557–62

Enhanced prostacyclin synthesis in acute human kidney transplant rejection. Leithner C, et al. **Proc Eur Dial Transplant Assoc** 1980;17:424–8

Stimulation of rheumatoid synovial cell collagenase and prostaglandin production by partially purified lymphocyte-activating factor (interleukin 1). Mizel SB, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2474–7

Prostaglandin synthesis by macrophages requires a specific receptor-ligand interaction. Rouzer CA, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4279–82

Effect of specific estrogens on prostaglandin synthesis in aorta and thrombocytes of female pigeons. Subbiah MT, et al. **Proc Soc Exp Biol Med** 1981 Feb;166(2):300–4

Dietary essential fatty acids, tissue fatty acids and prostaglandin synthesis. Galli C, et al. **Prog Food Nutr Sci** 1980;4(5):1–7 (25 ref.)

Prostaglandin and thromboxane production by fibroblasts and vascular endothelial cells. Ali AE, et al. **Prostaglandins** 1980 Oct;20(4):667–88

Piroxicam, a structurally novel anti-inflammatory compound. Mode of prostaglandin synthesis inhibition. Carty TJ, et al. **Prostaglandins** 1980 May;19(5):671–82

The prostaglandins of articular cartilage. I. Correlates of prostaglandin activity in a chondrocyte culture system. Copeland M, et al. **Prostaglandins** 1980 Dec;20(6):1075–87

Indomethacin but not aspirin inhibits basal and stimulated

lipolysis in rabbit kidney. Erman A, et al. **Prostaglandins** 1980 Oct;20(4):689–702

Enhancement of prostaglandin synthesizing activity by the treatment with sodium n–butyrate on cloned mastocytoma cells and various other tissue cell lines. Kawamura M, et al. **Prostaglandins** 1980 May;19(5):659–69

Catechol oestrogens stimulate and direct prostaglandin synthesis. Kelly RW, et al. **Prostaglandins** 1980 Oct; 20(4):613–26

The ability of vascular tissue to produce prostacyclin decreases with age. Kent RS, et al. **Prostaglandins** 1981 Mar;21(3):483–90

Prostacyclin (PGI2) generation in lungs of fetal and newborn rabbit. Omini C, et al. **Prostaglandins** 1981 Feb;21(2):345–51

Mass–spectrometric evidence for spontaneous and angiotensin–induced generation of prostacyclin by perfused cat lungs. Palonek E, et al. **Prostaglandins** 1980 Dec; 20(6):993–1006

Assay of prostacyclin synthesis in intact aorta by aqueous sampling. Panganamala RV, et al. **Prostaglandins** 1981 Jan; 21(1):1–7

Stimulation of prostaglandin synthesis by ascorbic acid via hydrogen peroxide formation. Polgar P, et al. **Prostaglandins** 1980 May;19(5):693–700

Increased prostacyclin synthesizing activity in human ripening uterine cervix. Tanaka M, et al. **Prostaglandins** 1981 Jan;21(1):83–6

Cholesterol esters of rat hearts of linoleic acid fed rats stimulate prostaglandin I2 (PGI2) synthetase activity. Beitz J, et al. **Prostaglandins Med** 1981 Jan;6(1):17–21

Mechanical reduction in pressure and pulse pressure decreases the ability of hypertensive rat aortas to produce 'PGI2–like' activity. Botha JH, et al. **Prostaglandins Med** 1981 Mar;6(3):267–8

1–arachidonyl–monoglyceride causes platelet aggregation: indirect evidence for an acylglycerol acylhydrolase involvement in the release of arachidonic acid for prostaglandin synthesis. Gerrard JM, et al. **Prostaglandins Med** 1980 Jun;4(6):419–30

Effect of trapidil on prostacyclin generation of arterial wall. Kawamura T, et al. **Prostaglandins Med** 1980 Aug; 5(2):113–21

Comparisons between the abilities of various human and ovine plasmas to inhibit prostaglandin synthesis. Mitchell MD, et al. **Prostaglandins Med** 1981 May;6(5):495–501

Prostaglandin production by minced carrageenin granuloma tissue of rats and its inhibition by dexamethasone and cycloheximide. Ohuchi K, et al. **Prostaglandins Med** 1980 Oct;5(4):267–74

Age–related increase in prostacyclin production in the rat aorta. Panganamala RV, et al. **Prostaglandins Med** 1981 Feb;6(2):233–5

Low dose aspirin, platelet function and prostaglandin synthesis: influence of epinephrine and alpha adrenergic blockade. Rao GH, et al. **Prostaglandins Med** 1981 May; 6(5):485–94

Biosynthesis of prostaglandins from arachidonic acid by the rat ovary. Satoh K, et al. **Prostaglandins Med** 1981 Jun; 6(6):589–600

The differential inhibition of prostaglandin synthesis in platelets and vascular tissue in response to aspirin. Shaikh BS, et al. **Prostaglandins Med** 1980 Jun;4(6):439–47

Radioimmunological assay of prostacyclin synthetase activity. Tai CL, et al. **Prostaglandins Med** 1980 Jun; 4(6):399–408

Is tartrazine–induced asthma related to inhibition of prostaglandin biosynthesis? Vargaftig BB, et al. **Respiration** 1980;39(5):276–82

Effect of carbenoxolone on prostaglandin synthesizing and metabolizing enzymes and correlation with gastric mucosal carbenoxolone concentrations. Peskar BM. **Scand J Gastroenterol [Suppl]** 1980;15(Suppl 65):109–14

Dosage of acetylsalicylic acid for inhibition of platelet function. Huijgens PC, et al. **Scand J Haematol** 1980 Jul; 25(1):76–80

Aspirin: an unexpected side effect on prostacyclin synthesis in cultured vascular smooth muscle cells. Whiting J, et al. **Science** 1980 Nov 7;210(4470):663–5

Prostacyclin and thrombotic microangiopathy. Remuzzi G, et al. **Semin Thromb Hemostas** 1980;6(4):391–4

Prostaglandin suppression: inability to correct severe idiopathic orthostatic hypotension. Crook JE, et al. **South Med J** 1981 Mar;74(3):318–20

Prostacyclin formation by rat endothelial layer [letter] Sinzinger H, et al. **Thromb Haemost** 1980 Jul 15;43(3):229

Differences in inhibition of PGI2 production by aspirin in rabbit artery and vein segments. Buchanan MR, et al. **Thromb Res** 1980 Nov 15;20(4):447–60

Effect of bradykinin and thrombin on prostacyclin synthesis in endothelial cells from calf and pig aorta and human umbilical cord vein. Hong SL. **Thromb Res** 1980 Jun 15; 18(6):787–95

Familial deficiency of prostacyclin production stimulating factor in the hemolytic uremic syndrome of childhood. Jørgensen KA, et al. **Thromb Res** 1981 Feb 1;21(3):311–5

The mechanism of the inhibitory effect of protease inhibitors on platelet aggregation and cellular synthesis of prostaglandins. I. The effect on the release of arachidonic acid from phospholipids. Kosaki G, et al. **Thromb Res** 1980 Dec 1–15;20(5–6):587–98

Increased PGI2 activity in venous tissues from rats on oral contraceptives is not prevented by heparin administration before vessel isolation. Roncaglioni MC, et al. **Thromb Res** 1980 Jun 15;18(6):895–6

Effect of gliclazide on prostaglandin and thromboxane synthesis in guinea–pig platelets. Tsuboi T, et al. **Thromb Res** 1981 Jan 1–15;21(1–2):103–10

Chemiluminescence in washed human platelets during prostaglandin–thromboxane synthesis induced by N–ethylmaleimide and thimerosal. Wörner P, et al. **Thromb Res** 1980 Jul 1–15;19(1–2):277–82

Correction of increased prostacyclin production in Bartter's syndrome by indomethacin. Güllner HG, et al. **Trans Assoc Am Physicians** 1980;93:130–40

Markedly increased synthesis of prostaglandin D2 in systemic mastocytosis. Roberts LJ 2d, et al. **Trans Assoc Am Physicians** 1980;93:141–7

Hydrocortisone and inhibitors of prostaglandin synthesis. Potentiation of allograft survival in mice. Belldegrün A, et al. **Transplantation** 1981 Jun;31(6):407–8

[Lipoperoxides and cyclooxygenase activity in thrombocytes in relation to the age of healthy subjects and drugs affecting prostaglandin biosynthesis (Acylpyrin, Indren, Erevit forte)] Přikryl P, et al. **Cas Lek Cesk** 1980 May 30; 119(22):621–6 (Eng. Abstr.) **(Cze)**

[Acetylsalicylic acid, blood platelets and the vessel wall] Huijens PC, et al. **Ned Tijdschr Geneeskd** 1981 Jun 6; 125(23):921–3 **(Dut)**

[The lung, producer of prostacyclin] Gryglewski RJ. **Ann Anesthesiol Fr** 1980;21(6):613–9 (Eng. Abstr.) **(Fre)**

[Glomerular prostaglandins] Ardaillou R. **C R Soc Biol (Paris)** 1981;175(2):126–39 **(Fre)**

[Phospholipases and the synthesis of platelet prostaglandins] Chap H, et al. **Expos Annu Biochim Med** 1980;34:95–118 (146 ref.) **(Fre)**

[Physiopathology of prostaglandin I2 synthesis in the human gastrointestinal mucosa] Sinzinger H, et al. **Acta Med Austriaca [Suppl]** 1979;6:404–5 (Eng. Abstr.) **(Ger)**

[Steps in the synthesis of prostaglandins in the serum during and following delivery (author's transl)] Ackermann RH, et al. **Geburtshilfe Frauenheilkd** 1980 Dec;40(12):1073–7 (Eng. Abstr.) **(Ger)**

[Anti–inflammatory drugs, prostaglandins and inflammation (author's transl)] Brune K. **Praxis** 1980 Dec 23; 69(51–52):1888–99 (Eng. Abstr.) **(Ger)**

[Experimental assessment of some pharmacodynamic features of ketoprofen lysine. Pain relief activity, antipyretic effects, anti–inflammatory activity, anti–platelet aggregation activity and interference with the biosynthesis of prostaglandins] Marmo E, et al. **Arch Sci Med (Torino)** 1980 Jul–Sep;137(3):387–404 **(Ita)**

[Prostaglandin and ovulation (author's transl)] Kawai Y, et al. **Nippon Naibunpi Gakkai Zasshi** 1980 Nov; 56(11):1559–73 (Eng. Abstr.) **(Jpn)**

[Kallikrein–kinin, prostaglandins and potassium metabolism] Abe K, et al. **Nippon Rinsho** 1981 Feb;39(2):285–91 (36 ref.) **(Jpn)**

[Effect of indomethacin on the development of noradrenaline–induced heart lesions in rats] Kosykh VA, et al. **Biull Eksp Biol Med** 1981;91(1):33–4 (Eng. Abstr.) **(Rus)**

[Effect of acetylsalicyclic and nicotinic acids and complamin on the formation of a prostacyclin–like substance by the aortic wall] Lakin KM, et al. **Farmakol Toksikol** 1980 Sep–Oct;43(5):581–5 (Eng. Abstr.) **(Rus)**

BLOOD

Prostacyclin, thromboxane, and prostaglandin F2 alpha in maternal plasma during breast–feeding. Ylikorkala O, et al. **Am J Obstet Gynecol** 1981 Mar 15;139(6):690–2

Prostacyclin–thromboxane interactions in the platelet–perfused in vitro heart. Schrör K, et al. **Am J Physiol** 1981 Jul;241(1):H18–25

Reduced prostacyclin activity in systemic lupus erythematosus. McVerry BA, et al. **Ann Rheum Dis** 1980 Oct;39(5):524–5

Prostaglandin I2 receptors in a particulate fraction of platelets of various species. Schillinger E, et al. **Biochem Pharmacol** 1980 Sep 1;29(17):2297–9

Antibodies to 5,6–dihydroprostaglandin I2 trap endogenously produced prostaglandin I2 in the rat circulation. Pace–Asciak CR, et al. **Biochim Biophys Acta** 1980 Nov 7;620(2):186–92

Plasma prostaglandins in mucositis due to radiotherapy and chemotherapy for head and neck cancer. Tanner NS, et al. **Br J Cancer** 1981 Jun;43(6):767–71

Prostacyclin production increases during human parturition. Ylikorkala O, et al. **Br J Obstet Gynaecol** 1981 May; 88(5):513–6

Effect of various doses of acetylsalicylic acid in combination with dipyridamole on the balance between prostacyclin and thromboxane in human serum. Viinikka L, et al. **Br J Pharmacol** 1981 Feb;72(2):299–303

Prostacyclin in pregnancy. Lewis PJ, et al. **Br Med J** 1980 Jun 28;280(6231):1581–2

Plasmatic regulation of vascular prostacyclin in pregnancy. Remuzzi G, et al. **Br Med J [Clin Res]** 1981 Feb 14; 282(6263):512–4

Endocrine profile in the long–term phase of converting–enzyme inhibition. Swartz SL, et al. **Clin Pharmacol Ther** 1980 Oct;28(4):499–508

Increase in prostaglandins during converting enzyme inhibition. Swartz SL, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:133s–135s

Circulating prostacyclin concentrations may be increased by bendrofluazide in patients with essential hypertension. Webster J, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:125s–128s

Metabolism of prostacyclin by 9–hydroxyprostaglandin dehydrogenase in human platelets. Formation of a potent inhibitor of platelet aggregation and enzyme purification. Wong PY, et al. **J Biol Chem** 1980 Oct 10;255(19):9021–4

Angiotensin II stimulation of renal prostaglandin synthesis elevates circulating prostacyclin in the dog. Shebuski RJ, et al. **J Cardiovasc Pharmacol** 1980 Sep–Oct;2(5):667–77

Maternal vascular prostacyclin activity in pre–eclampsia [letter] Bussolino F, et al. **Lancet** 1980 Sep 27;2(8196):702

Analysis of arachidonic acid metabolites by radioimmunoassay and physicochemical methods. Salmon JA. **Mater Med Pol** 1980;12(3):169–80 (63 ref.)

The effects of methyl mercury on platelets: induction of aggregation and release via activation of the prostaglandin synthesis pathway. Macfarlane DE. **Mol Pharmacol** 1981 May;19(3):470–6

Release of prostaglandins and thromboxane into the coronary circulation in patients with ischemic heart disease. Hirsh PD, et al. **N Engl J Med** 1981 Mar 19;304(12):685–91

Measurement of circulating prostacyclin. Haslam RJ, et al. **Nature** 1981 Jul 23;292(5821):364–6

Effect of synthetic estrogen on platelet aggregation and vascular release of PGI2–like material in the rabbit. Elam MB, et al. **Prostaglandins** 1980 Dec;20(6):1039–51

Prostaglandins in the human fetal circulation in mid–trimester and term pregnancy. MacKenzie IZ, et al. **Prostaglandins** 1980 Oct;20(4):649–54

Stability of prostaglandin I2 in human blood. Pifer DD, et al. **Prostaglandins** 1981 Feb;21(2):165–75

Effects of ticlopidine on platelet prostaglandin metabolism. Possible consequences for prostacyclin production. Lagarde M, et al. **Prostaglandins Med** 1979 Jun;2(6):433–9

Differential regulation of the formation of prostaglandins and related substances from arachidonic acid and from dihomogammalinolenic acid. I. Effects of ethanol. Manku MS, et al. **Prostaglandins Med** 1979 Aug;3(2):119–28

Differential regulation of the formation of prostaglandins and related substances from arachidonic acid and from dihomogammalinolenic acid. II. Effects of vitamin C. Manku MS, et al. **Prostaglandins Med** 1979 Aug;3(2):129–37

Low doses of prostaglandin F2alpha (PGF2alpha) stimulate prostacyclin (PGI2) production in the mesenteric circulation of the PIG. Schrauwen E, et al. **Prostaglandins Med** 1979 Aug;3(2):95–6

Significant increase of plasma prostaglandins in cancer patients. Hokama Y, et al. **Res Commun Chem Pathol Pharmacol** 1981 Feb; 31(2):379–82

Hydrocortisone, platelet aggregation and platelet prostaglandin metabolism. Jørgensen KA, et al. **Scand J Haematol** 1980 Nov;25(5):445–7

Decreased vascular prostacyclin (PGI2) in diabetic rats. Stimulation of PGI2 release in normal and diabetic rats by the antithrombotic compound Bay g 6575. Carreras LO, et al. **Thromb Res** 1980 Aug 15–Sep 1;19(4–5):663–70

Familial deficiency of prostacyclin production stimulating factor in the hemolytic uremic syndrome of childhood. Jørgensen KA, et al. **Thromb Res** 1981 Feb 1;21(3):311–5

Plasma thromboxane and prostacyclin metabolites in sheep partial cardiopulmonary bypass. Zapol WM, et al. **Trans Am Soc Artif Intern Organs** 1980;26:556–60

[The role of prostacycline, thromboxane A2 and prostaglandins in platelet aggregation (author's transl)] Herman AG. **Rev Med Brux** 1981 Mar;2(3):251–7 (Eng. Abstr.) **(Fre)**

[Behavior of several prostaglandins (PGA, PGB, PGE 1, PGE 2, PGF 1, PGF 2) in normal and leukemic leukocytes. Radioimmunological method on intact cells] Notario A, et al. **Arch Sci Med (Torino)** 1981 Apr–Jun;138(2):129–38 (Eng. Abstr.) **(Ita)**

[Blood prostaglandins levels in patients with pulmonary emphysema—blood prostaglandins levels at air inhalation and oxygen inhalation, and the difference between arterial blood prostaglandins levels and mixed venous blood prostaglandins levels (author's transl)] Takahashi W, et al. **Kokyu To Junkan** 1981 Jan;29(1):57–63 (Eng. Abstr.) **(Jpn)**

[Blood prostaglandins in patients with obstructive lung diseases and arterial hypertension] Ugriumova MO, et al. **Ter Arkh** 1981;53(3):123–6 (Eng. Abstr.) **(Rus)**

[Role of prostaglandins in islet cell dysfunction in generalized infections] Morenkova SA, et al. **Vopr Med Khim** 1981 Jan–Feb;27(1):99–102 (Eng. Abstr.) **(Rus)**

DEFICIENCY

Prostacyclin deficiency in haemolytic–uraemic syndrome. Webster J, et al. **Br Med J** 1980 Jul 26;281(6235):271

Accelerated prostacyclin degradation in the thrombotic thrombocytopenic purpura. Chen YC, et al. **Lancet** 1981 Aug 8;2(8241):267–9

Inherited plasma factor deficiency in haemolytic–uraemic syndrome [letter] Wiles PG, et al. **Lancet** 1981 May 16; 1(8229):1105–6

DIAGNOSTIC USE

Platelet labeling with in–111 oxine: benefit of prostacyclin

(PgI2)--addition for preparation and injection [letter] Sinzinger H, et al. **J Nucl Med** 1981 Mar;22(3):292–3
Prostacyclin does not affect insulin secretion in humans. Patrono C, et al. **Prostaglandins** 1981 Mar;21(3):379–85

HISTORY

Evolution of ideas on the role of prostaglandins in inflammation. Gryglewski RJ. **Agents Actions [Suppl]** 1980; 7:247–51 (24 ref.)

IMMUNOLOGY

Antibodies to 5,6-dihydroprostaglandin I2 trap endogenously produced prostaglandin I2 in the rat circulation. Pace-Asciak CR, et al. **Biochim Biophys Acta** 1980 Nov 7;620(2):186–92
Prostaglandin-mediated regulation of the mixed lymphocyte culture and generation of cytotoxic cells. Darrow TL, et al. **Cell Immunol** 1980 Nov;56(1):172–83
Prostaglandins and immune response. Bartoc R. **Endocrinologie** 1980 Jul-Sep;18(3):209–10
Prostaglandins and immunity [editorial] **Lancet** 1981 Jul 4; 2(8236):24–5
PGI2-specific antibodies administered in vivo suggest against a role for endogenous PGI2 as a circulating vasodepressor hormone in the normotensive and spontaneously hypertensive rat. Pace-Asciak CR, et al. **Prostaglandins** 1980 Dec;20(6):1053–60

ISOLATION & PURIFICATION

Separation of prostaglandins using the new horizontal flow-through coil planet centrifuge. Brown EA, et al. **J Biochem Biophys Methods** 1980 Aug;3(2):77–87
Preparation of biological fluids for simultaneous analysis of prostaglandin cyclo-oxygenase synthesized compounds by gas chromatography with electron capture detection. Leffler CW, et al. **Prostaglandins** 1981 Feb;21(2):227–41
Rapid extraction of oxygenated metabolites of arachidonic acid from biological samples using octadecylsilyl silica. Powell WS. **Prostaglandins** 1980 Nov;20(5):947–57
Separation of prostaglandins, thromboxane, hydroxy fatty acids and arachidonic acid by high pressure liquid chromatography. Eling T, et al. **Prostaglandins Med** 1980 Nov;5(5):345–55

METABOLISM

Prostaglandins and cyclic nucleotides in hypoxic myocardium. Vapaatalo H, et al. **Acta Med Scand [Suppl]** 1980;642:66–78 (105 ref.)
Mechanisms of the responses to non-cholinergic, non-adrenergic nerve stimulation and to ATP in isolated rabbit urinary bladder: evidence for ADP evoked prostaglandin release. Husted S, et al. **Acta Pharmacol Toxicol (Copenh)** 1980 Aug;47(2):84–92
Effects of ACTH on the synthesis and metabolism of prostaglandin in rat kidney. Gecse A, et al. **Acta Physiol Acad Sci Hung** 1980;55(2):107–12
The effect of ethanol on the metabolism of prostaglandins and related compounds. Pennington SN, et al. **Adv Exp Med Biol** 1980;132:527–32
Prostaglandins, prostacyclin and arteries. Szczeklik A. **Adv Nephrol** 1981;10:27–36
Vitamin E and aspirin depress prostaglandins in protection of chickens against Escherichia coli infection. Likoff RO, et al. **Am J Clin Nutr** 1981 Feb;34(2):245–51
Early steps in prostaglandin metabolism in the human placenta. Jarabak J. **Am J Obstet Gynecol** 1980 Nov 1; 138(5):534–40
The role of calmodulin in prostaglandin metabolism. Wong PY, et al. **Ann NY Acad Sci** 1980;356:179–89
Platelet fatty acids and prostaglandin turnover during defined linoleic acid intake with formula diets. Adam O, et al. **Artery** 1980;8(1):85–9
Prostaglandins enhance the synthesis of glycosaminoglycans and inhibit the growth of rabbit aortic smooth muscle cells in culture. Pietilä K, et al. **Artery** 1980;7(6):509–18
Metabolism of prostacyclin and 6-keto-prostaglandin F1 alpha in man. Rosenkranz B, et al. **Artery** 1980;8(1):18–22
The action of non-steroidal antiinflammatory agents on platelet aggregation and vessel tone in relation to inhibition of PGI2- and thromboxane-release. With particular reference to 5-benzoyl-alpha-methyl-2-thiophene acetic acid (tiaprofenic acid). Kuhn A, et al. **Arzneimittelforsch** 1980;30(9):1538–42
A metabolite of sulphinpyrazone that is largely responsible for the effect of the drug on the platelet prostaglandin pathway. Pay GF, et al. **Biochem Soc Trans** 1980 Dec; 8(6):727–8
Identification of the major metabolite of prostacyclin and 6-ketoprostaglandin F1 alpha in man. Rosenkranz B, et al. **Biochim Biophys Acta** 1980 Aug 11;619(2):207–13
Time course changes in levels of arachidonic acid and prostaglandins D2, E2, F2 alpha in human skin following ultraviolet B irradiation. Black AK, et al. **Br J Clin Pharmacol** 1980 Nov;10(5):453–7
The binding of [3H]-prostacyclin to membranes of a neuronal somatic hybrid. Blair IA, et al. **Br J Pharmacol** 1981 Mar; 72(3):435–41
Divalent cations increase [3H]-prostacyclin binding to membranes of neuronal somatic hybrid cells. Blair IA, et al. **Br J Pharmacol** 1981 Jul;73(3):691–4
In vivo and in vitro effects of endotoxin on prostaglandin release from rat lung. Feuerstein N, et al. **Br J Pharmacol** 1981 Jun;73(2):511–6
Interrelationships between prostacyclin and thromboxane A2. Moncada S, et al. **Ciba Found Symp** 1980;(78):165–83
Prostaglandin inhibition and myocardial infarct size. Jugdutt BI, et al. **Clin Cardiol** 1981 May;4(3):117–24 (69 ref.)
Determination, source, metabolism, and functional role of renal prostaglandins. Frölich JC, et al. **Clin Exp Hypertens** 1980;2(3-4):709–28 (82 ref.)
Prostaglandin release by aliphatic alcohols from the rat isolated lung. Thomas M, et al. **Clin Exp Pharmacol Physiol** 1980 Jul;7(4):373–81
Antithrombotic drugs in relation to prostaglandin metabolism. O'Grady J, et al. **Clin Haematol** 1980 Oct; 9(3):535–55 (161 ref.)
Prostaglandins and the renin-angiotensin axis. Lee JB. **Clin Nephrol** 1980 Oct;14(4):159–63
Prostacyclin metabolites in human plasma. Rosenkranz B, et al. **Clin Pharmacol Ther** 1981 Mar;29(3):420–4
Renal prostaglandins and water balance: studies in normal volunteer subjects and in patients with central diabetes insipidus. Düsing R, et al. **Clin Sci** 1981 Jul;61(1):61–7
Portal vein prostacyclin activity in experimental portal hypertension in rats. Hamilton G, et al. **Clin Sci** 1981 Mar; 60(3):327–9
Prostaglandin synthesis and inactivation in kidneys and lungs of rats with experimental diabetes. Hoult JR, et al. **Clin Sci** 1980 Jul;59(1):63–6
Prostacyclin-like activity in the female rat thoracic aorta and the inferior vena cava after ethinyloestradiol and norethisterone. Karpati L, et al. **Clin Sci** 1980 Nov; 59(5):369–72
Diminished urinary prostacyclin metabolite in essential hypertension. Grose JH, et al. **Clin Sci [Suppl]** 1980 Dec; 59 Suppl 6:121s–123s
Renal prostaglandins, kidney function and essential hypertension. Weber PC. **Contrib Nephrol** 1980;23:83–92 (38 ref.)
Increased prostacyclin release from perfused hearts of acutely diabetic rats. Rösen P, et al. **Diabetologia** 1980 May; 18(5):391–4
Preparation of smooth muscle cell suspensions from the rabbit oviduct and prostaglandin binding analysis. Riehl RM, et al. **Endocrinology** 1981 Jan;108(1):18–26
Effects of sulphasalazine on prostaglandin inactivation and synthesis in isolated lungs of guinea pig, rat and man. Bakhle YS. **Eur J Pharmacol** 1980 Dec 19;68(4):493–6
Paracetamol does not potentiate the acetylsalicylate inhibition of prostaglandin release from macrophages. Brune K, et al. **Eur J Pharmacol** 1980 Dec 5;68(3):365–7
Prostaglandin and an increased sensitivity of the sympathetically denervated rabbit eye to laser-induced irritation of the iris. Unger WG, et al. **Exp Eye Res** 1981 Jun;32(6):699–707
Ischemia-induced canine myocardial lysosome labilization: the role of endogenous prostaglandins and cyclic nucleotides. Carr FK, et al. **Exp Mol Pathol** 1980 Aug; 33(1):36–42
Increased vascular prostacyclin activity in rats after endotoxin administration. Villa S, et al. **Experientia** 1981 May 15;37(5):494–5
A non steroidal anti-inflammatory drug that stimulates prostaglandin release. Pomarelli P, et al. **Farmaco [Sci]** 1980 Oct;35(10):836–42
On the occurrence of prostacyclin metabolites in plasma and vascular tissue as determined radioimmunologically. Peskar BM, et al. **FEBS Lett** 1980 Nov 17;121(1):25–8
Augmentation of prostacyclin and depression of PGE2, PGF2 alpha and thromboxane A2 by TSH in cultured porcine thyroid cells: an important role of prostacyclin in maintaining thyroid cell function. Takasu N, et al. **FEBS Lett** 1981 Apr 20;126(2):301–5
Metabolism of prostacyclin: formation of an active metabolite in the liver. Wong PY, et al. **Fed Proc** 1981 May 15; 40(7):2001–4
Light microscopical investigation of the renomedullary interstitial cells in 'endocrine kidney'. Anavi B, et al. **Folia Med (Plovdiv)** 1980;22(4):5–11
Hypogastric nerve from guinea-pig releases prostaglandin-like substance. Radomirov R, et al. **Gen Pharmacol** 1981;12(4):233–8
Distribution of prostaglandins in gastric and duodenal mucosa of healthy subjects and duodenal ulcer patients: effects of aspirin and paracetamol. Konturek SJ, et al. **Gut** 1981 Apr; 22(4):283–9
Platelet phospholipids and prostaglandins in normals and in atherosclerosis. Gürsoy Aktulga A. **Haematologica (Pavia)** 1980 Aug;65(4):509–15
Renal prostaglandin excretion and metabolism in male and female New Zealand normotensive and genetically hypertensive rats. Baer PG, et al. **Hypertension** 1981 Mar-Apr;3(2):257–61
Pharmacokinetics of prostaglandins: prediction of steady-state concentrations during intravenous infusion. Weiss M, et al. **Int J Clin Pharmacol Ther Toxicol** 1980; 18(8):344–7
Metabolism of prostacyclin and 6-keto-prostaglandin F1 alpha in man. Rosenkranz B, et al. **J Biol Chem** 1980 Nov 10;255(21):10194–8
Angiotensin-induced release of a prostacyclin-like substance from the lungs. Dusting GJ. **J Cardiovasc Pharmacol** 1981 Jan-Feb;3(1):197–206
Increased renal secretion of norepinephrine and prostaglandin E2 during sodium depletion in the dog. Oliver JA, et al. **J Clin Invest** 1980 Oct;66(4):748–56
Captopril-induced changes in prostaglandin production: relationship to vascular responses in normal man. Swartz SL, et al. **J Clin Invest** 1980 Jun;65(6):1257–64
Role of prostaglandins in inflammatory and proliferative skin disease. Greaves MW. **J Dermatol (Tokyo)** 1980 Oct; 7(5):301–8
Conversion in vitro of prostaglandin endoperoxide into prostaglandins by arteries from pregnant and non-pregnant human uteri. Wallenburg HC, et al. **J Dev Physiol** 1981 Feb;3(1):15–20
Accumulation of cyclooxygenase products of arachidonic acid metabolism in gerbil brain during reperfusion after bilateral common carotid artery occlusion. Gaudet RJ, et al. **J Neurochem** 1980 Sep;35(3):653–8
The separate uterotonic and prostaglandin-releasing actions of oxytocin. Evidence and comparison with angiotensin and methacholine in the isolated rat uterus. Chan WY. **J Pharmacol Exp Ther** 1980 Jun;213(3):575–9
Local production of prostaglandins in relation to mammary function at the onset of lactation in the goat. Maule Walker FM, et al. **J Physiol (Lond)** 1980 Dec;309:65–79
Prostaglandin synthesis and metabolism in the human uterus and midtrimester fetal tissues. Falkay G, et al. **J Reprod Fertil** 1980 Jul;59(2):525–9
Prostaglandins during pregnancy and the perinatal period. Mitchell MD. **J Reprod Fertil** 1981 May;62(1):305–15
Prostaglandins and neoplasia. Droller MJ. **J Urol** 1981 Jun; 125(6):757–60 (74 ref.)
Release of prostaglandins from the passively distended wall of guinea pig small intestine. Yagasaki O, et al. **Jpn J Pharmacol** 1980 Dec;30(6):583–60
Formation and metabolism of prostaglandins in the kidney. Anggård E, et al. **Kidney Int** 1981 Jun;19(6):771–80 (113 ref.)
Prostaglandins and Bartter's syndrome. Dunn MJ. **Kidney Int** 1981 Jan;19(1):86–102 (100 ref.)
Metabolism of prostaglandins in the kidney. Sun FF, et al. **Kidney Int** 1981 Jun;19(6):760–70 (74 ref.)
Prostacyclin release from cultured and ex vivo bovine vascular endothelium. Studies with thrombin, arachidonic acid, and ionophore A23187. Goldsmith JC, et al. **Lab Invest** 1981 Aug;45(2):191–7
Accelerated prostacyclin degradation in the thrombotic thrombocytopenic purpura. Chen YC, et al. **Lancet** 1981 Aug 8;2(8241):267–9
A biochemical basis for alcoholism and alcohol-induced damage including the fetal alcohol syndrome and cirrhosis: interference with essential fatty acid and prostaglandin metabolism. Horrobin DF. **Med Hypotheses** 1980 Sep; 6(9):929–42 (84 ref.)
Interactions between zinc, essential fatty acids and prostaglandins: relevance to acrodermatitis enteropathica, total parenteral nutrition, the glucagonoma syndrome, diabetes, anorexia nervosa and sickle cell anaemia. Horrobin DF, et al. **Med Hypotheses** 1980 Mar;6(3):277–96
Prostaglandins in amyloidosis: a new concept [letter] Das UN. **Med J Aust** 1981 Jan 10;1(1):44–5
Analogues of arachidonic acid used to evaluate structural determinants of prostaglandin receptor and enzyme specificities. LeDuc LE, et al. **Mol Pharmacol** 1981 Mar; 19(2):242–7
Anti-inflammatory steroids reduce tissue PG synthetase activity and enhance PG breakdown. Moore PK, et al. **Nature** 1980 Nov 20;288(5788):269–70
Pathophysiological states modify levels in rat plasma of factors which inhibit synthesis and enhance breakdown of PG. Moore PK, et al. **Nature** 1980 Nov 20;288(5788):271–3
Elaboration of prostaglandin-like material from isolated perfused rabbit spleen by angiotensin II. Ercan ZS, et al. **New Istanbul Contrib Clin Sci** 1980;13(1):3–8
Studies of the immaturity of the ADH-dependent cAMP system in conscious newborn piglets--possible impairing effects of renal prostaglandins. Joppich R, et al. **Pediatr Res** 1981 Mar;15(3):278–81
On the mechanism of angiotensin II induced release of prostacyclin. Swięs J, et al. **Pharmacol Res Commun** 1981 Jan;13(1):37–40
Endogenous substrates of monooxygenases: fatty acids and prostaglandins. Kupfer D. **Pharmacol Ther** 1980; 11(3):469–96 (153 ref.)
Endocrine mechanisms in the pathogenesis of essential hypertension. III. Special reference on the interrelations between the prostaglandin and kallikrein-kinin systems. Păuşescu E. **Physiologie** 1981;18(2):141–52 (134 ref.)
Prostacyclin, thromboplastin, and antiheparin activities of the rat aorta. Ts'ao CH, et al. **Proc Soc Exp Biol Med** 1981 Mar;166(3):383–8
The impermeability of the basic cell membrane to thromboxane-B2' prostacyclin and 6-keto-PGF 1 alpha. Baroody RA, et al. **Prostaglandins** 1981 Jan;21(1):133–42
Prostacyclin production in rabbit arteries in situ: inhibition by arachidonic acid-induced endothelial cell damage or by low-dose aspirin. Ingerman-Wojenski C, et al. **Prostaglandins** 1981 Apr;21(4):655–66
Respiratory movements alter the generation of prostacyclin and thromboxane A2 in isolated rat lungs: the influence of arachidonic acid-pathway inhibitors on the ratio between pulmonary prostacyclin and thromboxane A2.

Korbut R, et al. **Prostaglandins** 1981 Mar;21(3):491–503

Metabolism of (5E)–6a–carbaprostaglandin I2 by rhesus monkey lung 15–OH prostaglandin dehydrogenase. McGuire JC, et al. **Prostaglandins** 1981 Apr;21(4):609–14

Prostaglandins and thromboxanes in amniotic fluid during rivanol–induced abortion and labour. Olund A, et al. **Prostaglandins** 1980 May;19(5):791–803

Prostaglandins and prostaglandin metabolites in human gastric juice. Peskar BM, et al. **Prostaglandins** 1980 Aug; 20(2):419–27

Distribution of prostaglandin omega–hydroxylases in different tissues. Powell WS. **Prostaglandins** 1980 May; 19(5):701–10

Prostaglandin production by the progesterone–dominated sheep uterus. Alwachi SN, et al. **Prostaglandins Med** 1981 Jun;6(6):571–6

Studies of prostaglandins and sulphasalazine in ulcerative colitis. Gould SR, et al. **Prostaglandins Med** 1981 Feb; 6(2):165–82

Blood borne vasoconstrictors lowers ratio of prostaglandin I2 to other products formed form arachidonate. Moretti RL. **Prostaglandins Med** 1981 Feb;6(2):223–32

Fetal prostaglandin levels in twin pregnancies. Norman RJ, et al. **Prostaglandins Med** 1981 Mar;6(3):309–16

Pulmonary prostaglandin metabolism during normobaric hyperoxia. Vader CR, et al. **Prostaglandins Med** 1981 Jan; 6(1):101–10

Prostaglandins, arachidonic acid, and inflammation. Kuehl FA Jr, et al. **Science** 1980 Nov 28;210(4473):978–84 (81 ref.)

Effect of unilateral common carotid artery occlusion on levels of prostaglandins D2, F2 alpha and 6–keto–prostaglandin F1 alpha in gerbil brain. Gaudet RJ, et al. **Stroke** 1980 Nov–Dec;11(6):648–52

A plasma factor in uraemia which stimulates prostacyclin release from cultured endothelial cells. Defreyn G, et al. **Thromb Res** 1980 Aug 15–Sep 1;19(4–5):695–9

Fenbufen and biphenylacetic acid inhibit platelet function and the arachidonate prostaglandin system. Kohler C, et al. **Thromb Res** 1980 Oct 1;20(1):123–35

Immunogenetic study of the prostaglandins–releasing phenomenon in the allograft reaction. Dy M, et al. **Transplantation** 1980 Nov;30(5):392–3

[Baroreceptors capable of inducing the biosynthesis and release of prostaglandins (PG) and of modulating adrenergic neurotransmission in the myocardium] Huu CP, et al. **C R Acad Sci [D] (Paris)** 1980 Jun 30;290(24):1549–52 (Eng. Abstr.) **(Fre)**

[Prostaglandins and benign mastopathies (author's transl)] Rolland PH, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(3):197–201 (Eng. Abstr.) **(Fre)**

[Age dependence of vascular prostacyclin formation in man (author's transl)] Leithner C, et al. **Aktuel Gerontol** 1980 Sep;10(9):387–9 (Eng. Abstr.) **(Ger)**

[Platelet aggregation and prostaglandin turnover in man during defined linoleic acid supply with formula diets (author's transl)] Adam O, et al. **Res Exp Med (Berl)** 1980; 177(3):227–35 (Eng. Abstr.) **(Ger)**

[Prostaglandin levels in amniotic fluid during normal advanced pregnancy (author's transl)] Nieder J, et al. **Zentralbl Gynaekol** 1981;103(4):204–13 (Eng. Abstr.) **(Ger)**

[Interrelations among prostaglandins, cyclic AMP and calcium ions in regulation of the inflammatory process] Chiarini P. **Recenti Prog Med** 1980 Sep;69(3):265–77 (63 ref.) (Eng. Abstr.) **(Ita)**

[Effect of 15–hydroxy prostaglandin dehydrogenase inhibitor on the degradation of prostaglandins through guinea pig lung lobes and in tracheal strips (author's transl)] Ishihara Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Aug; 18(8):520–4 (Eng. Abstr.) **(Jpn)**

[Study of essential fatty acid metabolism as precursor of prostaglandin in collagen diseases (author's transl)] Tohjima T, et al. **Ryumachi** 1980 Jun;20(3):151–62 (Eng. Abstr.) **(Jpn)**

[Renal hormones. The kallikrein, kinin and prostaglandin systems] Martin R, et al. **Medicina (B Aires)** 1981; 41(1):95–100 **(Spa)**

PHARMACODYNAMICS

Effects of vasoactive and inflammatory agents on cyclic AMP levels in W138 fibroblasts, endothelial and vascular smooth muscle cells in culture. Ager A, et al. **Agents Actions** 1980 Dec;10(6):569–72

Aspirin, Prostaglandins and mucopolysaccharide/glycoprotein secretion. Rainsford KD. **Agents Actions** 1980 Dec;10(6):520–1

Agent protects lining of stomach, duodenum [news] **Am Fam Physician** 1981 Jul;23(1):219, 221, 223

Platelet function studies in coronary heart disease. IX. Increased platelet prostaglandin generation and abnormal platelet sensitivity to prostacyclin and endoperoxide analog in angina pectoris. Mehta J, et al. **Am J Cardiol** 1980 Dec 1;46(6):943–7

Prostacyclin in experimental myocardial ischemia: effects on hemodynamics, regional myocardial blood flow, infarct size and mortality. Ribeiro LG, et al. **Am J Cardiol** 1981 Apr; 47(4):835–40

The growth of primary glomerular cells as a confluent monolayer in a chemically defined serum–free medium: specific requirements for prostaglandins and extracellular matrix molecules. Oberley TD, et al. **Am J Pathol** 1981 Aug;104(2):181–8

Effects of prostaglandin D2 on perinatal circulation. Cassin S, et al. **Am J Physiol** 1981 May;240(5):H755–60

Prostaglandins and renin release in vitro. Lin CS, et al. **Am J Physiol** 1981 Jun;240(6):E609–14

Platelets, von Willebrand factor, and prostaglandin I2. Moake JL, et al. **Am J Physiol** 1981 Jul;241(1):H54–9

Effect of prostaglandins A–1, E–2 and F–2 alpha on blood plasma levels of testosterone, LH and FSH in male rats. Didolkar AK, et al. **Andrologia** 1981 Jan–Feb;13(1):50–5

Prostaglandins E1 and E2, but neither prostacyclin nor prostaglandin D2 have anti–aggregating activity in chicken blood. Bult H, et al. **Arch Int Pharmacodyn Ther** 1981 Feb; 249(2):306–8

Influence of prostaglandin D2 and prostacyclin on oviduct motility and blood pressure in the domestic hen. Wechsung E, et al. **Arch Int Pharmacodyn Ther** 1981 Apr;250(2):330–2

Prostacyclin effects on the blood pressure responses to norepinephrine in rats treated with aspirin or indomethacin. Carmignani M, et al. **Artery** 1980;8(1):90–5

Effects of prostacyclin on platelet aggregation as studied with 'filter–loop' technique in the flowing blood of the dog. Imai S, et al. **Artery** 1980;8(1):63–72

Effect of prostaglandins and thromboxane A2 on the contractility of rabbit splenic capsular smooth muscle. Peskar BA, et al. **Artery** 1980;8(1):1–6

Prostaglandins and endothelial stability. Hladovec J. **Arzneimittelforsch** 1981;31(1):46–8

Effect of natural and synthetic prostaglandins on gastric function and peptic ulcer healing. Fung WP. **Aust NZ J Med** 1980 Dec;10(6):678–81 (48 ref.)

Effects of prostacyclin (PGI2) and adenosine (ASN) on total and regional blood flow of isolated, collateralized dog hearts. Scholtholt J, et al. **Basic Res Cardiol** 1981 May–Jun; 76(3):313–27

Endothelial cell adenylate cyclase: activation by catecholamines and prostaglandin I2+. Schafer AI, et al. **Biochem Biophys Res Commun** 1980 Oct 31;96(4):1640–7

Diverse effects of Ca2+ on the prostacyclin and corticotropin modulation of adenosine 3': 5'–monophosphate and steroid production in normal cat and mouse tumor cells of the adrenal cortex. Carchman RA, et al. **Biochem Pharmacol** 1980 Aug 15;29(16):2213–8

Pharmacological modulation of chemotactic factor–elicited release of granule–associated enzymes from human neutrophils. Effects of prostaglandins, nonsteroid anti–inflammatory agents and corticosteroids. Smith RJ, et al. **Biochem Pharmacol** 1980 Sep 1;29(17):2389–95

Regulation of 3T3–L1 fibroblast differentiation by prostacyclin (prostaglandin I2). Hopkins NK, et al. **Biochim Biophys Acta** 1981 Feb 23;663(2):457–66

Sperm transport through the rete testis in anesthetized rats: role of the testicular capsule and effect of gonadotropins and prostaglandins. Free MJ, et al. **Biol Reprod** 1980 Jun; 22(5):1073–8

Effect of prostaglandin I2 on platelet adhesion. Fésüs L, et al. **Biomaterials** 1981 Jan;2(1):53–4

The interaction of platelets with aortic subendothelium: inhibition of adhesion and secretion by prostaglandin I2. Adelman B, et al. **Blood** 1981 Aug;58(2):198–205

Prostacyclin and beta–adrenergic catecholamines inhibit arachidonate release and PGI2 synthesis by vascular endothelium. Adler B, et al. **Blood** 1981 Sep;58(3):514–7

Prostaglandins and erythropoiesis: structure/action relationships and identification of the prostaglandin responsive cells. Dunn CD. **Blut** 1981 May;42(5):307–14 **(Eng, Ger)**

Haemodynamic changes induced by prostacyclin in man. Szczeklik J, et al. **Br Heart J** 1980 Sep;44(3):254–8

The effect of prostacyclin on pituitary hormone release [letter] Allolio B, et al. **Br J Clin Pharmacol** 1980 Dec; 10(6):626–7

Facilitation of sympathetic neurotransmission in the rat anococcygeus muscle by prostaglandins D2 and F2 alpha. Bedwani JR, et al. **Br J Pharmacol** 1980 Aug;69(4):609–14

Coronary vasodilation: interactions between prostacyclin and adenosine. Blass KE, et al. **Br J Pharmacol** 1980 Aug; 69(4):555–9

The gastric antisecretory actions of prostaglandin E2 and stable prostacyclin analogues against different secretagogues in perfused whole–stomachs of rat or mouse in vitro. Boughton–Smith NK, et al. **Br J Pharmacol** 1981 Feb;72(2):291–8

Prazosin does not alter canine renin release in response to systemic hypotension or intrarenal isoprenaline and prostaglandin I2 infusion. Gerber JG, et al. **Br J Pharmacol** 1980;71(2):533–7

Effect of prostaglandins I2 and E1 on red cell deformability in patients with Raynaud's phenomenon and systemic sclerosis. Dowd PM, et al. **Br Med J [Clin Res]** 1981 Aug 1;283(6287):350

Prostacyclin, indomethacin and the cerebral circulation. Pickard J, et al. **Brain Res** 1980 Sep 22;197(2):425–31

Inhibition of anterior pituitary prostaglandin–stimulated adenylyl cyclase activity by somatostatin. Rouleau D, et al. **Can J Biochem** 1981 Apr;59(4):307–10

Differential sensitivity of regional vascular beds in the dog to low–dose prostacyclin infusion. Einzig S, et al. **Can J Physiol Pharmacol** 1980 Aug;58(8):940–6

Differential effects of prostaglandins on the antitumor activity of normal and BCG–activated macrophages. McCarthy ME, et al. **Cell Immunol** 1981 May 1;60(1):91–9

The effects of prostaglandin A1 and prostaglandin B1 on the differentiation of cartilage in the chick embryo. Kirkpatrick CJ. **Cell Tissue Res** 1980;210(1):111–20

Dissimilar effects of prostacyclin, prostaglandin E1, and prostaglandin E2 on myocardial infarct size after coronary occlusion in conscious dogs. Jugdutt BI, et al. **Circ Res** 1981 Sep;49(3):685–700

Role of the prostaglandin in norepinephrine release during augmented renal sympathetic nerve activity in the dog. Oliver JA, et al. **Circ Res** 1981 Jun;48(6 Pt 1):835–43

Inhibition by free radical scavengers and by cyclooxygenase inhibitors of pial arteriolar abnormalities from concussive brain injury in cats. Wei EP, et al. **Circ Res** 1981 Jan; 48(1):95–103

Relative effects of aspirin on platelet aggregation and prostaglandin–mediated coronary vasodilatation in the dog. Capurro NL, et al. **Circulation** 1980 Dec;62(6):1221–7

Preservation of platelets and their function in prolonged cardiopulmonary bypass using prostacyclin. Koshal A, et al. **Circulation** 1981 Aug;64(2 Pt 2):44–8

Thromboxane A2, prostacyclin and aspirin: effects on vascular tone and platelet aggregation. Smith JB, et al. **Circulation** 1980 Dec;62(6 Pt 2):V19–25 (63 ref.)

ACTH hypertension modifies the haemodynamic effects of prostacyclin infusions in sheep. Mason RT, et al. **Clin Exp Pharmacol Physiol** 1980 Sep–Oct;7(5):469–72

Spontaneous rosetting characteristics of prostaglandin (PG)–treated lymphocytes from patients with solid neoplasias. Misefari A, et al. **Clin Immunol Immunopathol** 1981 Jan;18(1):85–94

The role of prostaglandins in ripening the cervix and inducing labor. Shepherd JH, et al. **Clin Perinatol** 1981 Feb; 8(1):49–62 (89 ref.)

Effects of prostacyclin infusion in uremic patients: hematologic and hemodynamic responses. Zusman RM, et al. **Clin Pharmacol Ther** 1981 Aug;30(2):251–7

Comparison of prostacyclin and prostaglandin E2 on gastric secretion, gastrin release, and mucosal blood flow in dogs. Konturek SJ, et al. **Dig Dis Sci** 1980 Sep;25(9):673–9

Prostacyclin and blood coagulation. Moncada S, et al. **Drugs** 1981 Jun;21(6):430–7

Effects of prostacyclin on rat seminal vesicle contractility in vitro. Powers RE, et al. **Endocr Res Commun** 1981; 8(1):45–8

The effect of prostaglandins on the release of arginine vasopressin from the guinea pig hypothalamo–neurohypophyseal complex in organ culture. Ishikawa S, et al. **Endocrinology** 1981 Jan;108(1):193–8

Effects of prostaglandins on the adenylate cyclase activity of lungs from fetal rabbits. Powell WS, et al. **Endocrinology** 1980 Nov;107(5):1469–73

Effects of various prostanoids on thyrotropin secretion by superfused anterior pituitary cells. Wright KC, et al. **Endocrinology** 1981 Aug;109(2):637–43

Prostaglandins evoke a whole variety of responses in the lung. Kadowitz PJ, et al. **Environ Health Perspect** 1980 Apr;35:181–90

Noninvasive assessment of the cardiovascular effects of prostacyclin (PGI2) in man. Warrington SJ, et al. **Eur J Cardiol** 1980;12(2):73–80

Human gastric mucosal adenylate cyclase activity: effects of various cytoprotective prostaglandins. Simon B, et al. **Eur J Clin Invest** 1980 Dec;10(6):481–5

Platelet sensitivity to prostacyclin in pregnancy and uterine cancer. Briel RC, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Jun;12(1):19–23

Inhibitory effects of some catecholamines on contractions of uterine strips isolated from estrous and spayed rats. Influence of endogenous and exogenous prostaglandins on the action of methoxamine. Borda E, et al. **Eur J Pharmacol** 1981 Jan 5;69(1):55–62

Effects of prostaglandin D3 on nerve transmission in nictitating membrane of cats. Hemker DP, et al. **Eur J Pharmacol** 1980 Oct 3;67(1):155–8

Activation of guinea pig pulmonary adenylate cyclase by prostacyclin. MacDermot J, et al. **Eur J Pharmacol** 1980 Oct 31;67(4):419–25

Reversal of corticosterone–induced supersensitivity of vascular smooth muscle to noradrenaline by arachidonic acid and prostacyclin. Rascher W, et al. **Eur J Pharmacol** 1980 Dec 5;68(3):267–73

Effect of prostaglandins D2, E2 and F2alpha on catecholamine release from slices of rat and rabbit brain. Reimann W, et al. **Eur J Pharmacol** 1981 Feb 19;69(4):421–7

Prostacyclin prevents ischemia–induced increase of lactate and cyclic AMP in ischemic myocardium. Rösen R, et al. **Eur J Pharmacol** 1981 Feb 19;69(4):489–91

Effects of prostaglandins and thromboxane A2 on the coronary circulation of adult dogs and puppies. Wang HH, et al. **Eur J Pharmacol** 1980 Aug 22;66(1):31–41

Bronchodilator effects of prostacyclin (PGI2) in dogs and guinea pigs. Wasserman MA, et al. **Eur J Pharmacol** 1980 Aug 22;66(1):53–63

Effects of prostacyclin on aspecifically and specifically induced bronchoconstriction in asthmatic patients. Bianco S, et al. **Eur J Respir Dis [Suppl]** 1980;Suppl 106:81–7

Inhibition of Friend virus (FVP)–induced murine erythropoiesis with prostaglandin (PGF2 alpha): potentiation and inhibition of erythropoietin and prevention of both with PGD2. Lewis JP, et al. **Exp Hematol** 1981 May;9(5):540–9

A selective concentration-dependent dysrhythmogenic and antidysrhythmic action of prostaglandins E2, F2 alpha and I2 (prostacyclin) on isolated rat hearts. Karmazyn M, et al. **Experientia** 1980 Aug 15;36(8):996–8

Decreased sensitivity to alpha 2 adrenergic amines, adenosine and prostaglandins in white fat cells from hamsters treated with pertussis vaccine. García-Sáinz JA. **FEBS Lett** 1981 Apr 20;126(2):306–8

Stimulation of ornithine decarboxylase activity by prostaglandins in the isolated cells of immature rat testis. Madhubala R, et al. **FEBS Lett** 1980 Dec 29;122(2):197–8

Actions of prostaglandins in peripheral vascular beds. Feigen LP. **Fed Proc** 1981 May 15;40(7):1987–90

Vascular influences of prostaglandins: introduction. Feigen LP, et al. **Fed Proc** 1981 May 15;40(7):1985–6

Pulmonary vascular responses to prostaglandins. Kadowitz PJ, et al. **Fed Proc** 1981 May 15;40(7):1991–6

Steroid production and responsiveness to gonadotropin and prostaglandins of human ovarian follicles at term pregnancy. Dennefors BL, et al. **Fertil Steril** 1981 Feb; 35(2):232–3

Contribution of prostaglandin to the contraction induced by catecholamines in the isolated gallbladder of the guinea-pig. Yamamoto F. **Gastroenterol Jpn** 1980; 15(5):433–8

Vasodilation of the normal and ischemic canine mesenteric circulation. Fondacaro JD, et al. **Gastroenterology** 1981 Jun;80(6):1542–9

Prevention of sepsis-induced gastric lesions in dogs by cimetidine via inhibition of gastric secretion and by prostaglandin via cytoprotection. Odonkor P, et al. **Gastroenterology** 1981 Feb;80(2):375–9

Relationships between PGBx and isoproterenol in the isolated perfused rat heart. Aronson CE. **Gen Pharmacol** 1981; 12(2):103–7

Interactions between PGBx and disophenol in the isolated perfused rat heart. Aronson CE. **Gen Pharmacol** 1981; 12(4):249–53

Effects of prostacyclin (PGI2), 6-oxo-PGF1 alpha and PGE2 on sympathetic nerve function in mesenteric arteries and veins of the rabbit in vitro. Armstrong JM, et al. **Hypertension** 1979 May-Jun;1(3):309–15

Stimulation of cyclic AMP production by vasoactive agents in cultured bovine aortic and pulmonary artery endothelial cells. Makarski JS. **In Vitro** 1981 May;17(5):450–8

Potentiation of prostaglandin evoked contractions of isolated rat uterus by vasicine hydrochloride. Lal R, et al. **Indian J Med Res** 1981 Apr;73:641–8

Effects of prostaglandins on histophysiology of male reproductive organs and fertility in rats. Chinoy NJ, et al. **Int J Fertil** 1980;25(4):267–74

Experiences and problems associated with usage of prostaglandins in countries other than the United States. Schultz RH. **J Am Vet Med Assoc** 1980 May 15;176(10 Spec No):1182–6

Reversal of 5HT-induced bronchoconstriction by PGI2: distribution of central and peripheral actions. Spannhake EW, et al. **J Appl Physiol** 1980 Sep;49(3):521–7

Prostaglandins. Kahn A Jr. **J Arkansas Med Soc** 1981 Feb; 77(9):364–5

Regulation of endothelial cell cyclic nucleotide metabolism by prostacyclin. Hopkins NK, et al. **J Clin Invest** 1981 Feb;67(2):540–6

Effects of arachidonic acid, monohydroxyeicosatetraenoic acid and prostaglandins on the release of mucous glycoproteins from human airways in vitro. Marom Z, et al. **J Clin Invest** 1981 Jun;67(6):1695–702

Mode of action of coronary arterial relaxation by prostacyclin. Holzmann S, et al. **J Cyclic Nucleotide Res** 1980;6(6):451–60

Effect of prostaglandin I2 on ovine placental vasculature. Rankin JH, et al. **J Dev Physiol** 1979 Apr;1(2):151–60

Effects of prostaglandin D2 on rat serosal mast cells: discordance between immunologic mediator release and cyclic AMP levels. Holgate ST, et al. **J Immunol** 1980 Sep;125(3):1367–73

PGBX, a prostagandin derivative, mimics the action of the calcium ionophore A23187 on human neutrophils. Serhan CN, et al. **J Immunol** 1980 Nov;125(5):2020–4

Effects of prostaglandins and inhibitors of prostaglandin synthesis in the fetus and newborn infant. Rudolph AM, et al. **J Perinat Med** 1981;9 Suppl 1:91–2

Regional differences in the responses to prostanoids of circular muscle from guinea-pig isolated intestine. Sanger GJ, et al. **J Pharm Pharmacol** 1980 Oct;32(10):705–8

Gastrointestinal actions of carbacyclin, a stable mimic of prostacyclin. Whittle BJ, et al. **J Pharm Pharmacol** 1980 Aug;32(8):603–4

Vasodilator actions of prostaglandin 6-keto-E1 in the pulmonary vascular bed. Hyman AL, et al. **J Pharmacol Exp Ther** 1980 Jun;213(3):468–72

6-Keto-prostaglandin E1 is more potent than prostaglandin I2 as a renal vasodilator and renin secretagogue. Jackson EK, et al. **J Pharmacol Exp Ther** 1981 Jan;216(1):24–7

The pulmonary vascular effects of three prostaglandin I2 analogs in conscious newborn lambs. Lock JE, et al. **J Pharmacol Exp Ther** 1980 Oct;215(1):156–9

Prostacyclin and prostaglandin E2 effects on adrenergic transmission in the kidney of anesthetized dog. Sušić H, et al. **J Pharmacol Exp Ther** 1981 Sep;218(3):588–92

The chemistry and pharmacology of prostaglandins, with reference to human reproduction. Gréen K, et al. **J Reprod Fertil** 1981 May;62(1):269–81

Preservation of platelet function and number by prostacyclin during cardiopulmonary bypass. Coppe D, et al. **J Thorac Cardiovasc Surg** 1981 Feb;81(2):274–8

Epoprostenol now the focus of numerous clinical trials [news] Check WA. **JAMA** 1981 Jun 26;245(24):2481–3

Effects of prostaglandin I2 and E2 on renal hemodynamics and function and renin release. Imanishi M, et al. **Jpn Circ J** 1980 Nov;44(11):875–82

Prostaglandins and cyclic nucleotides: effects of PGI2 and PGE1 on cardiac hemodynamic and coronary arterial and myocardial cyclic nucleotide levels in dogs. Ito T, et al. **Jpn Circ J** 1980 Sep;44(9):755–61

Effects of prostaglandin E2, I2 and F2 alpha on systemic and renal hemodynamics, renal function and renin secretion in anesthetized dogs. Hashimoto T. **Jpn J Pharmacol** 1980 Apr;30(2):173–86

Effects of C-terminal octapeptide of cholecystokinin and prostaglandins on adrenergic functions in the guinea-pig gallbladder and sphincter of Oddi. Nakata K, et al. **Jpn J Pharmacol** 1981 Feb;31(1):77–83

Cellular calcium uptake in the action of prostaglandins on renal water excretion. Berl T. **Kidney Int** 1981 Jan; 19(1):15–23

Effect of prostaglandins on renal epithelial electrolyte transport. Kokko JP. **Kidney Int** 1981 Jun;19(6):791–6 (27 ref.)

Prostacyclin as vasodilator in anaesthesia and intensive care [letter] Chelly JE. **Lancet** 1981 Jul 25;2(8239):198

Prostacyclin increases cyclic-nucleotide responsiveness of lymphocytes from patients with systemic sclerosis. Kirby JD, et al. **Lancet** 1980 Aug 30;2(8192):453–4

Prostacyclin, nitroglycerin, and effort angina [letter] Szczeklik A, et al. **Lancet** 1981 May 2;1(8227):1006

Prostaglandins do not modulate the positive chronotropic and inotropic effects of sympathetic nerve stimulation and injected norepinephrine in the isolated blood perfused canine atrium. Chiba S, et al. **Life Sci** 1981 Feb 9; 28(6):687–95

Prostacyclin-induced hypothermia: involvement of central histamine H2-receptors. Kandasamy SB, et al. **Life Sci** 1981 Jun 1;28(22):2553–60

Anti-platelet aggregating and disaggregating activities of 6,9-methano PGI2. Morita A, et al. **Life Sci** 1980 Aug 25;27(8):695–701

Role of steroid hormones and prostaglandins in the regulation of DNA synthesis by decidual cells in culture. Peleg S, et al. **Mol Cell Endocrinol** 1980 Dec;20(3):209–18

Prostaglandins and steroidogenesis in isolated bovine adrenal cells. Effects of ACTH, prostaglandin-synthesis inhibitors, prostaglandins and prostaglandin analogs. Rolland PH, et al. **Mol Cell Endocrinol** 1981 May;22(2):179–93

Modulation of cyclic AMP content of :he rat myometrium: desensitization to isoproterenol, PGE2 and prostacyclin. Tougui Z, et al. **Mol Cell Endocrinol** 1980 Oct;20(1):17–34

Prostaglandin modulation of development of cell-mediated immunity in culture. Leung KH, et al. **Nature** 1980 Dec 11;288(5791):597–600

The antiplatelet and cardiovascular actions of a new carbacyclin derivative (ZK 36 374)--equipotent to PGI2 in vitro. Schrör K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Jun; 316(3):252–5

Inotropic effect of prostacyclin (PGI2) on isolated rat atria at different contraction frequencies. Sterin-Borda L, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Aug; 313(2):95–100

The comparative actions of uterine inhibiting drugs in the pregnant rat. Chimura T. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Nov; 32(11):1873–8

Dilatation of the ductus arteriosus by prostaglandins and prostaglandin's precursors. Momma K, et al. **Pediatr Res** 1980 Sep;14(9):1074–7

The effects of extracellular potassium, ouabain, and prostaglandins on intracellular potassium activity in sheep cardica Purkinje fibers. Wiederholt M, et al. **Pfluegers Arch** 1980 Nov;388(2):169–75

Relationship between spasmogenic activity of bombesin and prostaglandins on the rat pylorus. Impicciatore M, et al. **Pharmacol Res Commun** 1980 Nov;12(10):987–93

Reversal of bradykinin action: possible involvement of prostaglandins or dual receptors. Wilkens HJ, et al. **Pharmacol Res Commun** 1980 May;12(5):411–22

Facilitation of recovery from ischemic brain damage in rabbits by polymeric prostaglandin PGBx, a mitochondrial protective agent. Kolata RJ, et al. **Physiol Chem Phys** 1980; 12(6):545–50

Dose-dependent reduction of hereditary obesity in the non-diabetic mouse by polymeric prostaglandin PGBx. Polis E, et al. **Physiol Chem Phys** 1980;12(6):564–8

Experimental evidence for involvement of prostaglandins in viability and acute skin flaps: effects on viability and mode of action. Sasaki GH, et al. **Plast Reconstr Surg** 1981 Mar; 67(3):335–40

Central effects of prostaglandin D2. Brus R, et al. **Pol J Pharmacol Pharm** 1980;32(5):681–4

The lack of affinity of prostaglandins to dopaminergic and opiate receptors in the rat striatum. Członkowski A, et al. **Pol J Pharmacol Pharm** 1980;32(5):639–41

Prostaglandin I2 modifies both prolactin binding capacity and fluidity of mouse liver membranes. Dave JR, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6597–600

Vascular relaxing activity and stability studies of 10,10-difluoro-13,14-dehydroprostacyclin. Hatano Y, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6846–50

Direct action of prostaglandins on renin release from rat renal cortical slices. Suzuki S, et al. **Proc Soc Exp Biol Med** 1981 Apr;166(4):484–8

Prostaglandins and renin release studies in the isolated perfused rat kidney. Hackenthal E, et al. **Prog Biochem Pharmacol** 1980;17:98–107

Modulation of adrenergic neuroeffector events in the renal vasculature: role of prostaglandins. Malik KU, et al. **Prog Biochem Pharmacol** 1980;17:108–15

Effect of prostacyclin on platelet-activating factor induced rabbit and platelet aggregation. Bussolino F, et al. **Prostaglandins** 1980 Nov;20(5):781–91

Prostacyclin and blood glucose levels in humans and rabbits. Dembińska-Kieć A, et al. **Prostaglandins** 1981 Jan; 21(1):113–21

Prostacyclin (PGI2) inhibits the development in human platelets of ADP and arachidonic acid-induced shape change and procoagulant activity. Ehrman ML, et al. **Prostaglandins** 1980 Dec;20(6):1103–16

Effect of PGD2, PGE2 PGF2 alpha and PGI on blood pressure, heart rate and plasma catecholamine responses to spinal cord stimulation in the rat. Feuerstein G, et al. **Prostaglandins** 1981 Feb;21(2):189–206

Prostaglandins and renin production: a review. Franco-Saenz R, et al. **Prostaglandins** 1980 Dec;20(6):1131–43 (70 ref.)

Inhibition of platelet factor 3 availability by prostacyclin. Hársfalvi J, et al. **Prostaglandins** 1980 Nov;20(5):935–45

Relative contracting and relaxing potencies of a series of prostaglandins on isolated canine mesenteric artery strips. Hatano Y, et al. **Prostaglandins** 1981 Apr;21(4):515–29

Modulation of autonomic neurotransmission by PGD2: comparison with effects of other prostaglandins in anesthetized cats. Hemker DP, et al. **Prostaglandins** 1980 Aug;20(2):321–32

Frogs produce a physiologically active compound from eicosapentaenoic acid. Herman CA, et al. **Prostaglandins** 1981 Feb;21(2):297–306

Correlation of prostaglandin-induced mitochondrial calcium release with contraction in bovine intrapulmonary vein. McNamara DB, et al. **Prostaglandins** 1980 Aug; 20(2):311–20

The effects of prostacyclin (PGI2) and 6-keto-PGF1 alpha on bovine plasma progesterone and LH concentrations. Milvae RA, et al. **Prostaglandins** 1980 Oct;20(4):641–7

Studies on the modulation of immunoglobulin production by prostaglandins. Morito T, et al. **Prostaglandins** 1980 Aug; 20(2):383–90

Prostacyclin (PGI2) mediates hypoxic relaxation of bovine coronary arterial strips. Roberts AM, et al. **Prostaglandins** 1981 Apr;21(4):555–69

Prostacyclin analogues inhibit canine parietal cell activity and cyclic AMP formation. Soll AH, et al. **Prostaglandins** 1981 Feb;21(2):353–65

6-keto-PGE1 exhibits more potent bronchodilatory activity in the cat than its precursor, PGI2. Spannhake EW, et al. **Prostaglandins** 1981 Feb;21(2):267–75

Influences of prostaglandins on electrophoretic mobility and aggregation of rabbit platelets. Takano S, et al. **Prostaglandins** 1980 Sep;20(3):579–86

Potentiation of anti-aggregating activity of PGI2 by 7-ethoxycarbonyl-6,8-dimethyl-4-hydroxymethyl-1(2H)-(EG-626) in rabbit platelets in vitro. Tanaka K, et al. **Prostaglandins** 1980 Aug;20(2):255–68

Differential effects of prostaglandins and arachidonic acid on gastric circulation and oxygen consumption. Walus KM, et al. **Prostaglandins** 1980 Dec;20(6):1089–102

PGH2, TxA2 and PGI2 have potent and differentiated actions on human uterine contractility. Wilhelmsson L, et al. **Prostaglandins** 1981 Feb;21(2):277–86

Platelet and other effects of carboprostacyclin--a stable prostacyclin analogue. Adaikan PG, et al. **Prostaglandins Med** 1980 Oct;5(4):307–20

Effects of prostacyclin and prostaglandin E1 on cyclic AMP metabolism and calcium efflux in isolated renal cortical tubules. Biddulph DM, et al. **Prostaglandins Med** 1980 Nov; 5(5):391–403

Decreased prostacyclin sensitivity of human platelets after jogging and squash. Burghuber O, et al. **Prostaglandins Med** 1981 Feb;6(2):127–30

dl-9a-Deoxy-9a-methylene-PGI2 (a stable prostacyclin derivative): preliminary pharmacological data. Ceserani R, et al. **Prostaglandins Med** 1980 Aug;5(2):131–9

Analysis of hemodynamic and respiratory effects of PGI2 in the pig. Clement MG, et al. **Prostaglandins Med** 1980 Nov;5(5):323–35

Role of hypotension induced by PGI2 on the control of depth and frequency of breathing. Clement MG, et al. **Prostaglandins Med** 1980 Dec;5(6):415–23

The influence of prostacyclin on coronary occlusion induced arrhythmia in cats. Dix RK, et al. **Prostaglandins Med** 1979 Sep;3(3):173–84

Effect of low dose prostacyclin infusion on blood flow in acutely ischemic canine myocardium. Einzig S, et al. **Prostaglandins Med** 1980 Sep;5(3):209–19

Dietary modification of the vascular effect of prostacyclin in hypertensive rats. Feinberg G, et al. **Prostaglandins Med** 1980 Oct;5(4):235–41

The effect of hypercholesterolaemia on the lipid composition

and ability of human platelets to accumulate cyclic AMP. Jakubowski JA, et al. **Prostaglandins Med** 1980 Dec; 5(6):457–67

Inhibition of platelet aggregation with intravenous and oral administration of carboprostacyclin in man. Karim SM, et al. **Prostaglandins Med** 1981 May;6(5):521–7

Comparative effects of PGD2 and PGE2 on vasoconstrictor responses in the feline intestinal vascular bed. Lippton HL, et al. **Prostaglandins Med** 1980 Oct;5(4):297–305

Comparative effects of PGD2 and PGE2 in the regional circulation of the cat. Lippton HL, et al. **Prostaglandins Med** 1980 Nov;5(5):365–73

Influence of prostaglandins on vasoconstrictor responses in the hindquarters vascular bed of the cat. Lippton HL, et al. **Prostaglandins Med** 1981 Feb;6(2):183–202

Inhibition of platelet aggregation and elevation of cyclic-AMP levels in platelets by 13,14-dehydro PGI2 methyl ester. Malmsten C, et al. **Prostaglandins Med** 1980 Jun;4(6):453–63

Lack of effect of prostaglandins on rat heart myofibrillar ATPase activity. Pierce GN, et al. **Prostaglandins Med** 1981 Jun;6(6):633–9

The influence of epinephrine on prostacyclin (PGI2) induced dissociation of ADP aggregated plateletes. Rao GH, et al. **Prostaglandins Med** 1980 Jun;4(6):385–97

In vitro inhibition of human lymphocyte transformation by natural or synthetic prostaglandins. Rigaud M, et al. **Prostaglandins Med** 1979 Sep;3(3):167–71

Control of elevated pulmonary vascular resistance in neonatal swine with prostacyclin (PGI2). Starling MB, et al. **Prostaglandins Med** 1979 Aug;3(2):105–17

A comparison of the effects of prostaglandins E2 and I2 on renal function and renin release in salt-loaded and salt-depleted anaesthetized dogs. Jones RL, et al. **Q J Exp Physiol** 1981 Jan;66(1):1–15

The kinetics of inhibition of hepatic drug metabolism by prostaglandins in rabbits. Weiner M. **Res Commun Chem Pathol Pharmacol** 1980 Sep; 29(3):561–71

Effect of intra-articular papain, acetylsalicylic acid, indomethacin, prostaglandin and alcohol on the articular cartilage of rabbit knees. Chacha PB, et al. **Singapore Med J** 1980 Jun;21(3):599–603

Prostacyclin reduces red cell deformability [letter] Belch JJ, et al. **Thromb Haemost** 1981 Apr 30;45(2):189

Synergic effect of prostacyclin (PGI2) and alpha-blocking-agent on adrenalin-induced human platelet aggregation [letter] Pogliani E, et al. **Thromb Haemost** 1980 Oct 31;44(2):106

The antagonism of prostaglandins I2, E1 and D2 by prostaglandin E2 in human platelets. Bonne C, et al. **Thromb Res** 1981 Jan 1–15;21(1–2):13–22

Inhibition of platelet activation by prostacyclin: possible consequences in coagulation and anticoagulation. Bunting S, et al. **Thromb Res** 1981 Jan 1–15;21(1–2):89–102

Prostacyclin (PGI2) inhibits the enhancement of granulocyte adhesion to Cuprophane induced by immunoglobulin G. Chuang HY, et al. **Thromb Res** 1980 Jul 1–15;19(1–2):1–9

Heparin-prostacyclin interactions: heparin does not modify the prostacyclin induced relaxation of coronary vasculature. Eldor A, et al. **Thromb Res** 1980 Aug 15–Sep 1;19(4–5):719–23

A biphasic effect of prostacyclin (PGI2) on platelet aggregation. Jørgensen KA, et al. **Thromb Res** 1980 Sep 15;19(6):877–81

Prostaglandin stimulation of canine platelet adenylate cyclase. Longenecker GL, et al. **Thromb Res** 1980 Jul 1–15; 19(1–2):119–24

The effect of prostacyclin on platelet aggregation and disaggregation in vivo [letter] Martin JF, et al. **Thromb Res** 1980 Jun 1;18(5):749–51

Prevention of infarction-induced decrease in circulating platelet count by prostacyclin. Ohlendorf R, et al. **Thromb Res** 1980 Aug 15–Sep 1;19(4–5):447–53

PGI2 inhibits ischemia-induced platelet activation and prevents myocardial damage by inhibition of catecholamine release from adrenergic nerve terminals. Evidence for cAMP as common denominator. Schrör K, et al. **Thromb Res** 1981 Jan 1–15;21(1–2):175–80

Platelet preservation during cardiopulmonary bypass (CPB) with prostaglandin (PGE1) and prostacyclin (PGI2). van den Dungen JJ, et al. **Trans Am Soc Artif Intern Organs** 1980;26:481–6

[Prostacyclin--a new biologically active agent] Vapaatalo H. **Duodecim** 1980;96(3):175–80 **(Fin)**

[Modifications of the serum gastrin levels by prostaglandins in animal experiments] Lindenmaier HL, et al. **Med Welt** 1980 Oct 10;31(41):1482–4 **(Ger)**

[Platelet sensitivity to prostacyclin in diabetic and nondiabetic patients with atherosclerotic vascular changes: a measure of platelet membrane prostacyclin receptors?] Klein K, et al. **Vasa** 1980;9(2):123–6 (Eng. Abstr.) **(Ger)**

[Platelet sensitivity to prostacyclin (PGI2) in patients with juvenile-onset diabetes mellitus (author's transl)] Klein K, et al. **Wien Klin Wochenschr** 1981 Jul 10;93(14):460–2 (Eng. Abstr.) **(Ger)**

[Effect of prostaglandins on the cardiovascular system] Martino P, et al. **Arch Sci Med (Torino)** 1980 Apr-Jun; 137(2):205–10 (Eng. Abstr.) **(Ita)**

[Effects of some prostaglandins on plasma levels of prolactin in the rat] Costa G, et al. **Boll Soc Ital Biol Sper** 1979 Aug 15;55(15):1485–91 (Eng. Abstr.) **(Ita)**

[Hemodynamics in swine treated with PGI 2] Triulzi MO, et al. **Boll Soc Ital Biol Sper** 1979 Oct 15;55(19):1930–4 (Eng. Abstr.) **(Ita)**

[Effects of prostaglandin I2 on lung vascular permeability after endotoxin in dogs (author's transl)] Ikeda T. **Fukuoka Igaku Zasshi** 1981 Mar;72(3):71–81 (Eng. Abstr.) **(Jpn)**

[Permeability of the posterior lens capsule. I. Permeability of prostaglandins in vitro (author's transl)] Ozaki L. **Nippon Ganka Gakkai Zasshi** 1980 Oct 10;84(10):1505–11 (Eng. Abstr.) **(Jpn)**

[Effect of prostaglandins on anaphylactic release of histamine and slow reacting substance of anaphylaxis (SR -A) from guinea pig lung tissues (author's transl)] Kitamura S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Jul; 18(7):447–52 (Eng. Abstr.) **(Jpn)**

[Anti-platelet aggregation effect of PGI2 potentiated by EG-626] Tanaka K, et al. **Rinsho Byori** 1979;Suppl 40:188–91 **(Jpn)**

[Prostaglandins and the nervous system (review of the literature)] Muratov VD, et al. **Farmakol Toksikol** 1981 Jan-Feb;44(1):121–8 (117 ref.) **(Rus)**

[Effect of prostacyclin and prostaglandins E2 and F2 alpha on the vascular tone and reactivity of the kidneys and extremities] Markov KhM, et al. **Kardiologiia** 1981 Mar; 21(3):75–9 (Eng. Abstr.) **(Rus)**

[Reactions of an identified edible snail neuron to application of peptides, mediators, prostaglandins, and cyclic nucleotides] Osipovskiĭ SA, et al. **Neirofiziologiia** 1981; 13(1):80–7 (Eng. Abstr.) **(Rus)**

[Renin secretion by rat and rabbit kidneys under the influence of prostaglandins] Markov KhM, et al. **Patol Fiziol Eksp Ter** 1980;(4):11–4 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Prostaglandins and hemostasis. Chamone DF. **Acta Clin Belg** 1980;35(1):45–56

The anti-thrombotic effects of prostacyclin. Vane JR, et al. **Acta Med Scand [Suppl]** 1980;642:11–22

Prostaglandin-dependent changes in renal haemodynamics and excretory patterns before and after release of 24 hours bilateral ureteral ligation. László K, et al. **Acta Physiol Acad Sci Hung** 1980;56(3):309–23

Effect of prostaglandin synthesis inhibition on the central activity of noradrenaline in rats. Brus R, et al. **Acta Physiol Pol** 1981 Jan-Feb;32(1):47–51

Pharmacological modulation of edema mediated by prostaglandin, serotonin and histamine. Holsapple MP, et al. **Agents Actions** 1980 Sep;10(4):368–73

Role of blood platelets and prostaglandins in coronary artery disease. Mehta J, et al. **Am J Cardiol** 1981 Aug;48(2):366–73 (97 ref.)

The role of prostaglandins in endotoxemia and comparisons in response in the nonpregnant, maternal, and fetal models. II. Alterations in prostaglandin physiology in the nonpregnant, pregnant, and fetal experimental animal. O'Brien WF, et al. **Am J Obstet Gynecol** 1981 Mar 1; 139(5):535–9

Response of rat jejunum to angiotensin II: role of norepinephrine and prostaglandins. Levens NR, et al. **Am J Physiol** 1981 Jan;240(1):G17–24

Integrated actions of renal medullary prostaglandins in the control of water excretion. Stokes JB. **Am J Physiol** 1981 Jun;240(6):F471–80 (67 ref.)

Prostaglandins as probable mediators of the suppression of antibody production by mouse hepatitis virus infection. Lahmy C, et al. **Ann Immunol (Paris)** 1981 Jan-Feb; 132C(1):101–5

Effect of prostaglandin on the composition of chinchilla middle ear effusion. Jung TT, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1980 May-Jun;89(3 Pt 2 Suppl 68):153–60

Prostaglandins and the ductus arteriosus. Olley PM, et al. **Annu Rev Med** 1981;32:375–85 (37 ref.)

Prostaglandins and water excretion. Zusman RM. **Annu Rev Med** 1981;32:359–74 (77 ref.)

Prostaglandins, prostacyclin, and thromboxanes. McGiff JC. **Annu Rev Pharmacol Toxicol** 1981;21:479–509 (123 ref.)

The renal kallikrein-kinin and prostaglandin systems interaction. Nasjletti A, et al. **Annu Rev Physiol** 1981; 43:597–609 (55 ref.)

Lack of effect of the antihistamine drug clemastine on the potentiation of itch by prostaglandin E1. Boss M, et al. **Arch Dermatol** 1981 Apr;117(4):208–9

Prostaglandins: role in renin regulation and mediation of antihypertensive drug effects. Frölich JC. **Arch Int Pharmacodyn Ther** 1980;Suppl:213–24

Role of prostaglandins in the responses of rabbit detrusor to non-cholinergic, non-adrenergic nerve stimulation and to ATP. Husted S, et al. **Arch Int Pharmacodyn Ther** 1980 Jul;246(1):84–97

Prostaglandin mediated histamine tachyphylaxis in subhuman primate tracheal smooth muscle. Krzanowski JJ, et al. **Arch Int Pharmacodyn Ther** 1980 Sep;247(1):155–62

Proceedings of the second International Austrian atherosclerosis conference, Vienna, Austria, April 7–12, 1980. **Artery** 1980;8(1):1–100

Possible role of prostaglandins in the regulation of coronary blood flow. Schrör K. **Basic Res Cardiol** 1981 May-Jun; 76(3):239–49

Effects of prostaglandin D2 on membrane potential in neuroblastoma X glioma hybrid cells as determined with a cyanine dye. Kondo K, et al. **Biochem Biophys Res Commun** 1981 Feb 12;98(3):648–55

The hormonal control of connective-tissue changes in the uterine cervix in pregnancy and at parturition. Ellwood DA. **Biochem Soc Trans** 1980 Oct;8(5):662–7

Effects of cannabinoids and female exposure on the pituitary-testicular axis in mice: possible involvement of prostaglandins. Dalterio S, et al. **Biol Reprod** 1981 Mar; 24(2):315–22

Contribution of prostaglandins to the adenosine triphosphate-induced contraction of rabbit urinary bladder. Andersson KE, et al. **Br J Pharmacol** 1980 Nov; 70(3):443–52

Intravesical prostaglandin: release and effect of bladder instillation on some micturition parameters. Khalaf IM, et al. **Br J Urol** 1980 Oct;52(5):351–6

Prostaglandins in vascular disease: a seminal approach. Mitchell JR. **Br Med J [Clin Res]** 1981 Feb 21; 282(6264):590–4 (53 ref.)

Prostaglandin involvement in contractions evoked in rabbit detrusor by field stimulation and by adenosine 5'-triphosphate. Downie JW, et al. **Can J Physiol Pharmacol** 1981 Mar;59(3):253–60

The influence of circulating catecholamines and prostaglandins on canine renal hemodynamics during hemorrhage. Henrich WL, et al. **Circ Res** 1981 Mar; 48(3):424–9

Renal prostaglandins, renin release, and renal hemodynamic function in high renin states. Davis JO, et al. **Clin Exp Hypertens** 1980;2(3–4):563–73

Interrelation between renal prostaglandins and the hormones involved in volume homeostasis by the kidney. Glasson P, et al. **Clin Exp Hypertens** 1980;2(3–4):761–75 (35 ref.)

Prostaglandins, kinins and the regulation of blood pressure. McGiff JC, et al. **Clin Exp Hypertens** 1980;2(3–4):729–40 (27 ref.)

Possible significance of renal prostaglandins in essential hypertension. Weber PC, et al. **Clin Exp Hypertens** 1980; 2(3–4):741–60 (47 ref.)

Role of prostaglandin in the depressed cell-mediated immune response in rheumatoid arthritis. Wolinsky SI, et al. **Clin Immunol Immunopathol** 1980 Sep;17(1):31–7

Prostaglandins as related to endometriosis. Weed JC. **Clin Obstet Gynecol** 1980 Sep;23(3):895–900

Role of prostaglandin in the antihypertensive mechanism of captopril in low renin hypertension. Abe K, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:141s–144s

Interactions of prostaglandins with the kallikrein-kinin and renin-angiotensin systems. McGiff JC. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:105s–116s (90 ref.)

Prostaglandins: an overview. Weisblat DI. **Conn Med** 1981 Mar;45(3):144–7

Prostaglandins and diarrhea [editorial] Rachmilewitz D. **Dig Dis Sci** 1980 Dec;25(12):897–9

Dysmenorrhoea and prostaglandins: pharmacological and therapeutic considerations. Dawood MY. **Drugs** 1981 Jul; 22(1):42–56 (29 ref.)

The role of renal prostaglandins in the renin response to isoproterenol in the rat in vitro. Suzuki S, et al. **Endocrinology** 1981 May;108(5):1654–7

Pharmacological studies of the involvement of hypothalamic prostaglandins in the regulation of thyrotropin secretion. Wright KC, et al. **Environ Health Perspect** 1981 Apr; 38:83–8

Role of prostaglandins in the antimyoclonic action of clonazepam. Hwang EC, et al. **Eur J Pharmacol** 1981 Apr 24;71(1):161–4

Prostacyclin mediates the potentiated hypotensive effect of bradykinin following captopril treatment. Mullane KM, et al. **Eur J Pharmacol** 1980 Sep 5;66(4):355–65

Effect of in vitro treatment with indomethacin on mouse granulocyte-macrophage colony-forming cells in culture (CFUC). Possible role of prostaglandins. Fontagné J, et al. **Exp Hematol** 1980 Oct;8(9):1157–64

Somatostatin and insulin secretion in man. III - Lack of interaction with prostaglandins. Giugliano D, et al. **Farmaco [Sci]** 1980 Jul;35(7):615–20

Prostaglandins in physiological and in certain pathological responses of the cerebral circulation. Kontos HA, et al. **Fed Proc** 1981 Jun;40(8):2326–30

Antihypertensive lipids from the kidney: alkyl ether analogs of phosphatidylcholine. Muirhead EE, et al. **Fed Proc** 1981 Jun;40(8):2285–90

Role of prostaglandins in the control of gastric acid secretion. Peskar BM. **Hepatogastroenterology** 1980 Aug;27(4):330–6 (72 ref.)

Role of endogenous prostaglandins in volume expansion and during furosemide infusion in conscious dogs. Sreenivasan V, et al. **Hypertension** 1981 Jan-Feb;3(1):59–66

Thymus-dependent lymphocytes of dengue virus-infected mice spleens mediate suppression through prostaglandin. Chaturvedi UC, et al. **Immunology** 1981 Jan;42(1):1–6

The role of prostaglandins in essential hypertension. Weber PC, et al. **Int J Obes** 1981;5 suppl 1:125–33 (49 ref.)

Biologic interaction of prostaglandins, thromboxane, and prostacyclin: potential nonreproductive veterinary clinical applications. Bell TG, et al. **J Am Vet Med Assoc** 1980 May 15;176(10 Spec No):1195–200

Role of prostaglandins in bovine reproduction. Seguin BE. **J Am Vet Med Assoc** 1980 May 15;176(10 Spec No):1178–81

Prostaglandins and temperature regulation in the rhesus

monkey. Barney CC, et al. **J Appl Physiol** 1981 Jun; 50(6):1248–54

Prostaglandins in orthopaedics. Bennett A, et al. **J Bone Joint Surg [Br]** 1981 Aug,53–B(2):152–4

Prostacyclin produced by the pregnant uterus in the dog may act as a circulating vasodepressor substance. Gerber JG, et al. **J Clin Invest** 1981 Mar;67(3):632–6

Role of thromboxane and prostacyclin in pulmonary vasomotor changes after endotoxin in dogs. Hales CA, et al. **J Clin Invest** 1981 Aug;68(2):497–505

Prostaglandins mediate the vasodilatory effect of mannitol in the hypoperfused rat kidney. Johnston PA, et al. **J Clin Invest** 1981 Jul;68(1):127–33

Participation of the prostaglandins in the control of renal blood flow during acute reduction of cardiac output in the dog. Oliver JA, et al. **J Clin Invest** 1981 Jan; 67(1):229–37

A role for prostaglandins in decidualization of the rat uterus. Sananès N, et al. **J Endocrinol** 1981 Apr;89(1):25–33

Cardiac arrhythmias, anti–arrhythmic drugs and prostaglandins. Das UN. **J Indian Med Assoc** 1980 Jan 1; 74(1):23–4

Participation of prostaglandins in the vasodepressor effect of substance P. Pals DT, et al. **J Pharm Pharmacol** 1981 Feb;33(2):110–1

The role of prostaglandins in the bronchoconstriction induced by pulmonary micro–embolism in the guinea–pig. Clay TP, et al. **J Physiol (Lond)** 1980 Nov;308:427–37

Role of prostaglandins in bone metabolism: a review. Atkins D, et al. **J R Soc Med** 1979 Jan;72(1):27–34 (39 ref.)

Regulation of allergic responses by prostaglandins: a review. Morley J, et al. **J R Soc Med** 1980 Jun;73(6):443–7 (36 ref.)

A new perspective on dysmenorrhea. The role of prostaglandins and prostaglandin inhibitors. **J Reprod Med** 1980 Oct;25(4 Suppl):191–242

Do prostaglandins cause the infertility of endometriosis? [news] **JAMA** 1981 May 8;245(18):1801

Effect of prostaglandin and seminal fluid on human chorioamniotic membranes. Lavery JP, et al. **JAMA** 1981 Jun 19;245(23):2425–7

Endogenous prostaglandins and spontaneous contractions in the circular muscle of the guinea–pig stomach. Nitta H, et al. **Jpn J Physiol** 1980;30(6):815–26

Proceedings of a conference on prostaglandins and the kidney. Stuttgart, Germany, July 23–24, 1980. **Kidney Int** 1981 Jun;19(6):755–880

Renal kallikrein–kinin: its relation to renal prostaglandins and renin–angiotensin–aldosterone in man. Abe K, et al. **Kidney Int** 1981 Jun;19(6):869–80

Absence of direct effects of prostaglandins on sodium chloride transport in the mammalian nephron. Fine LG, et al. **Kidney Int** 1981 Jun;19(6):797–801 (15 ref.)

Interrelationship between prostaglandins and renin release. Gerber JG, et al. **Kidney Int** 1981 Jun;19(6):816–21 (29 ref.)

Prostaglandins and water metabolism: a review with emphasis on in vivo studies. Gross PA, et al. **Kidney Int** 1981 Jun; 19(6):839–50 (133 ref.)

Vasopressin–prostaglandin interactions in the regulation of epithelial cell permeability to water. Handler JS. **Kidney Int** 1981 Jun;19(6):831–8 (65 ref.)

Role of prostaglandins in renin secretion. Henrich WL. **Kidney Int** 1981 Jun;19(6):822–30 (52 ref.)

Role of prostaglandins in the regulation of renal water excretion. Kramer HJ, et al. **Kidney Int** 1981 Jun; 19(6):851–9 (48 ref.)

Prostaglandins and renal blood flow: in vivo studies. Lifschitz MD. **Kidney Int** 1981 Jun;19(6):781–5 (43 ref.)

Renal kinin–prostaglandin relationship: implications for renal function. Nasjletti A, et al. **Kidney Int** 1981 Jun;19(6):860–8 (73 ref.)

Participation of renal cortical prostaglandins in the regulation of glomerular filtration rate. Schnermann J, et al. **Kidney Int** 1981 Jun;19(6):802–15 (150 ref.)

Prostaglandins in the kidney [editorial] **Lancet** 1981 Aug 15; 2(8242):343–5

Is cutaneous flushing prostaglandin mediated? Phillips WS, et al. **Lancet** 1981 Apr 4;1(8223):754–6

A role for prostacyclin (PGi2) in excessive menstrual bleeding. Smith SK, et al. **Lancet** 1981 Mar 7;1(8219):522–4

The contribution of prostaglandins to renal blood flow maintenance is determined by the level of activity of the renin–angiotensin system. Baer PG. **Life Sci** 1981 Feb 9; 28(6):587–93 (37 ref.)

Is prostacyclin in the major pro–inflammatory prostanoid in joint fluid? Brodie MJ, et al. **Life Sci** 1980 Aug 18; 27(7):603–8

Prostaglandins and inflammation. Di Rosa M, et al. **Mater Med Pol** 1980;12(3):187–94 (120 ref.)

The evolution of ideas in prostaglandin research. Gryglewski RJ, et al. **Mater Med Pol** 1980;12(3):159–68 (62 ref.)

The role of prostacyclin and thromboxane A2 in the regulation of platelet behaviour. Moncada S. **Mater Med Pol** 1980;12(3):207–12 (98 ref.)

Prostacyclin and hypertension. Pace–Asciak CR. **Mater Med Pol** 1980;12(3):181–6 (27 ref.)

Possible role of prostaglandins in the pathogenesis of cirrhosis of the liver. Das UN. **Med Hypotheses** 1980 Nov; 6(11):1117–22

Hormonal interaction and ocular pressure in bilateral cervical sympathetic ganglionectomized rabbits. Waitzman MB. **Metab Pediatr Ophthalmol** 1980;4(1):19–23

Prostaglandins as mediators of paraneoplastic syndromes: review and up–date. Metz SA, et al. **Metabolism** 1981 Mar; 30(3):299–316 (132 ref.)

Essential fatty acids and prostaglandins [news] Crawford M. **Nature** 1980 Oct 2;287(5781):388–9

Role of prostaglandins in inflammatory and proliferative skin disease. Greaves MW. **Nippon Hifuka Gakkai Zasshi** 1980 Nov;90(12):1172–8

Role of prostaglandins in IUD–associated uterine bleeding––effect of a prostaglandin synthetase inhibitor (ibuprofen). Roy S, et al. **Obstet Gynecol** 1981 Jul; 58(1):101–6

Cyclic nucleotides, prostaglandins and polyamines in psoriasis. Marcelo CL, et al. **Pharmacol Ther [B]** 1980; 9(3):297–310 (113 ref.)

Prostaglandins, thromboxane A2 and cardiovascular drugs. Förster W. **Pharmazie** 1980 Dec;30(12):805

Evidence for a role in stimulus––secretion coupling of prostaglandins derived from release of arachidonoyl residues as a result of phosphatidylinositol breakdown. Marshall PJ, et al. **Proc Natl Acad Sci USA** 1980 Jun; 77(6):3292–6

Role of prostaglandins, beta–adrenoceptors, and the central nervous system in the control of renin release in conscious sodium–depleted rats. Schiffrin EL, et al. **Proc Soc Exp Biol Med** 1980 Oct;165(1):151–4

Effects of moderate short–term potassium depletion in normal humans. The role of prostaglandins. Düsing R, et al. **Prostaglandins** 1980 Dec;20(6):971–9

Prostaglandins /PGs/ and peristalsis. Borowska A, et al. **Prostaglandins Med** 1981 Jan;6(1):13–6

The renin––kallikrein––prostaglandin system: plasma active and inactive renin and urinary kallikrein during prostacyclin infusion in man. FitzGerald GA, et al. **Prostaglandins Med** 1980 Dec;5(6):445–56

Prostaglandins and the alpha–cell. Giugliano D, et al. **Prostaglandins Med** 1981 Mar;6(3):283–97 (40 ref.)

Regulation of blood pressure by prostaglandin–kinin interactions. McGiff JC, et al. **Przegl Lek** 1981;38(5):425–35 (62 ref.) **(Eng, Pol)**

Are prostaglandins involved in experimental ischemic edema in gerbils? Iannotti F, et al. **Stroke** 1981 May–Jun; 12(3):301–6

Prostacyclin and atherosclerosis. Szczeklik A. **Triangle** 1980; 19(2):61–7

[Function of prostaglandins in platelet aggregation] Sun QW. **Sheng Li Ko Hsueh Chin Chan** 1980 Feb;11(2):137–42 **(Chi)**

[Prostacyclins and thromboxanes, new substances from the prostanoid group] Mašek K, et al. **Cas Lek Cesk** 1980 Jul 25;119(29–30):785–7 **(Cze)**

[Prostaglandins and their role in the regulation of volume and circulatory homeostasis] Pohlová I. **Cesk Fysiol** 1980; 29(6):501–15 (76 ref.) **(Cze)**

[Prostaglandins and their function in the fetoplacental unit] Jungmannová C. **Cesk Gynekol** 1980 Jul;45(6):424–33 **(Cze)**

[Prostaglandins and pregnancy] Přibyl B. **Cesk Gynekol** 1980; 45(10):736–43 (113 ref.) **(Cze)**

[Prostaglandins and the eye (editorial)] Béchetoille A. **J Fr Ophtalmol** 1980;3(6–7):381–2 **(Fre)**

[Prostaglandins: physiological or 'foreign' molecules? Some ticklish questions. Biosynthesis. Nutrition. Pathology (author's transl)] Devis R. **J Pharm Belg** 1981 Jan–Feb; 36(1):43–72 (112 ref.) (Eng. Abstr.) **(Fre)**

[Prostaglandins and the hypothalamo–hypophysial system] Dray F. **Journ Annu Diabetol Hotel Dieu** 1981;:59–62 **(Fre)**

[Postaglandins and pancreatic hormones] Luyckx AS, et al. **Journ Annu Diabetol Hotel Dieu** 1981;:27–41 (72 ref.) **(Fre)**

[Biochemistry of atherogenesis: effects of prostaglandins (author's transl)] Dousset JC. **Pathol Biol (Paris)** 1981 Jan; 29(1):53–61 (46 ref.) (Eng. Abstr.) **(Fre)**

[Prostaglandins, thromboxanes, prostacyclin and leucotrienes] Damas J. **Rev Med Liege** 1980 Jun 15; 35(12):490–9 **(Fre)**

[Prostacyclin as a protective factor for blood vessels] Leithner C, et al. **Fortschr Med** 1980 Dec 18; 98(47–48):1845–9 (Eng. Abstr.) **(Ger)**

[Significance of prostaglandins for tumor growth and tumor symptoms] Peskar BM. **Med Klin** 1981 Jan 2;76(1):11–4 (26 ref.) **(Ger)**

[Advances in prostaglandin research] Domschke S, et al. **Med Monatsschr Pharm** 1980 Jan;3(1):6–13 **(Ger)**

[Prostaglandins and therapy for rheumatism (news)] Niklas H. **Med Monatsschr Pharm** 1979 Dec;2(12):368–9 **(Ger)**

[Comparison of the effects of gastroenteric and parenteral saline loading on kidney function after inhibition of prostaglandin synthesis (author's transl)] Heuer LJ, et al. **Res Exp Med (Berl)** 1980;178(1):43–54 (Eng. Abstr.) **(Ger)**

[Role of the prostaglandin system in the monoaminergic control of prolactin release in the rat] Costa G, et al. **Boll Soc Ital Biol Sper** 1979 Aug 15;55(15):1492–7 (Eng. Abstr.) **(Ita)**

[Effects of indomethacin on rats kept on a normal diet and on a diet without prostaglandin precursors] Gianfranceschi P, et al. **Boll Soc Ital Biol Sper** 1980 Jul 30;56(14):1492–7 (Eng. Abstr.) **(Ita)**

[Prostaglandins and ischemic cardiopathy] Patrono C, et al. **G Ital Cardiol** 1980;10(10):1371–82 (67 ref.) **(Ita)**

[Prostaglandins and inflammation] Velo GP, et al. **G Ital Chemioter** 1979 Jan–Dec;26(1–2):85–90 (47 ref.) **(Ita)**

[Significance of prostaglandins (PGs) in ovulation (author's transl)] Wu T. **Acta Obstet Gynaecol Jpn** 1981 Feb; 33(2):259–68 (Eng. Abstr.) **(Jpn)**

[Recent development in the studies of prostaglandins] Ozawa T. **Kokyu To Junkan** 1980 Jun;28(6):591–6 (11 ref.) **(Jpn)**

[Electrolyte metabolism and prostaglandins in the kidney (author's transl)] Higashihara E. **Nippon Hinyokika Gakkai Zasshi** 1980 Oct;71(10):1160–2 **(Jpn)**

[Changes of prostaglandin receptors in myometrium––interaction between steroids and prostaglandins––(author's transl)] Imoto N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Jun;32(6):749–56 (Eng. Abstr.) **(Jpn)**

[Dual action of prostaglandins in the regulation of HCG–induced ovulation in immature rats (author's transl)] Kohda H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Jun;32(6):725–30 (Eng. Abstr.) **(Jpn)**

[Studies on the mechanism of the onset of menstruation (author's transl)] Matsukawa R, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Jun;32(6):777–83 (Eng. Abstr.) **(Jpn)**

[Platelet aggregation and endogenous prostaglandins and thromboxane (author's transl)] Katori M. **No Shinkei Geka** 1980 Aug;8(8):717–22 **(Jpn)**

[Prostacyclin (PGX, PGI2)–vascular anti–aggregation hormone regulating hemostasis] Feldman R. **Pol Arch Med Wewn** 1980 Jul;64(1):57–67 **(Pol)**

[The role of prostaglandins at the level of the central nervous system] Nechifor M. **Rev Med Chir Soc Med Nat Iasi** 1980 Apr–Jun;84(2):220, 262, 276 **(Rum)**

[Changes in the morphofunctional status of the capillary system of the cerebral cortex in cats exposed to adrenergic stimulation while prostaglandin biosynthesis is inhibited] Gabrielian ES, et al. **Biull Eksp Biol Med** 1981 Feb; 91(2):173–5 (Eng. Abstr.) **(Rus)**

[Role of prostacyclin and thromboxane A2 in the cardiovascular system] Ismailov ShI, et al. **Kardiologiia** 1981 Mar;21(3):111–6 (55 ref.) **(Rus)**

[Role of prostaglandins, thromboxanes and prostacyclin in regulating the thrombocyte aggregation process and liberation reaction normally and in pathology] Baluda VP, et al. **Patol Fiziol Eksp Ter** 1980;(4):80–5 (103 ref.) **(Rus)**

[Prostaglandins in gastroenterology] Schraier M. **Acta Gastroenterol Latinoam** 1980;10(3):247–56 **(Spa)**

RADIATION EFFECTS

[Effect of 60Co gamma rays and fast neutrons on intravascular platelet aggregation and vessel wall prostacyclin activity] Baluda VP, et al. **Biull Eksp Biol Med** 1981 May;91(5):559–62 (Eng. Abstr.) **(Rus)**

SECRETION

HEPES buffered media may induce prostaglandin release from macrophages in tissue culture. Brune K. **Agents Actions** 1980 Dec;10(6):491–2

Prostaglandins in primary dysmenorrhea. Comparison of prophylactic and nonprophylactic treatment with ibuprofen and use of oral contraceptives. Chan WY, et al. **Am J Med** 1981 Mar;70(3):535–41

Release of PGE and PGI2 in the pump–perfused dog kidney and associated hypotension. Wong PC, et al. **Am J Physiol** 1981 Jun;240(6):F545–50

Anaphylactic release of prostaglandins from human lung in vitro. Adkinson NF Jr, et al. **Am Rev Respir Dis** 1980 Jun; 121(6):911–20

Leukotriene C stimulates prostaglandin release from rat peritoneal macrophages. Feuerstein N, et al. **Biochem Biophys Res Commun** 1981 Jun 16;100(3):1085–90

Effect of RNA and protein synthesis inhibitors on the release of inflammatory mediators by macrophages responding to phorbol myristate acetate. Bonney RJ, et al. **Biochim Biophys Acta** 1980 Dec 15;633(3):410–21

Leukotrienes C4 and D4 induce prostaglandin and thromboxane release from rat peritoneal macrophages. Feuerstein N, et al. **Br J Pharmacol** 1981 Mar;72(3):389–91

Effects of nerve stimulation and of administration of noradrenaline or potassium chloride upon the release of prostaglandins, I2, E2, and F2 alpha from te perfused mesenteric arterial bed of the rabbit. Pipili E, et al. **Br J Pharmacol** 1981 Jan;72(1):89–93

Progesterone and prostaglandin secretion by ovulated rat cumulus cell–oocyte complexes. Schuetz AW, et al. **Endocrinology** 1981 Feb;108(2):457–63

Prostacyclin (PGI2) release accompanying angiotensin conversion in rat mesenteric vasculature. Dusting GJ, et al. **Eur J Pharmacol** 1981 Mar 12;70(2):129–37

3–deazaadenosine, a transmethylase inhibitor, suppresses the effect of lipopolysaccharide on release of prostacyclin and thromboxane. Feuerstein N, et al. **J Pharm Pharmacol** 1981 Jun;33(6):401–2

Enhanced in–vivo platelet release reaction, increased thromboxane synthesis, and decreased prostacyclin release after tourniquet ischaemia. Zahavi J, et al. **Lancet** 1980 Sep 27;2(8196):663–7

Histamine-induced release of arachidonic acid and of prostaglandins in the peripheral vascular bed: mode of action. Juan H, et al.
Naunyn Schmiedebergs Arch Pharmacol 1980 Nov; 314(2):183–90

Effect of chronic alterations in sodium intake on prostaglandin release from isolated perfused rabbit kidney. Morrison AR. **Proc Soc Exp Biol Med** 1980 Dec; 165(3):508–11

Ovarian hormones inhibit the release of prostacyclin-like material from isolated rat uterus. Gimeno MF, et al.
Prostaglandins 1980 Aug;20(2):223–32

Prostaglandin release and the interaction of platelets with the pulmonary vasculature of rat and guinea pig. Boyd JA, et al. **Thromb Res** 1980 Jul 1–15;19(1–2):239–48

THERAPEUTIC USE

Prostacyclin (epoprostenol): its effect on canine splanchnic blood flow during hemorrhagic shock. Seelig RF, et al. **Arch Surg** 1981 Apr;116(4):428–30

Prostacyclin for acute coronary insufficiency. Szczeklik A, et al. **Artery** 1980;8(1):7–11

Prostacyclin eliminates the thrombocytopenia associated with charcoal hemoperfusion and minimizes heparin and fibrinogen consumption. Woods HF, et al. **Artif Organs** 1980 Aug;4(3):176–9

Prevention of acquired transient defect in platelet plug formation by infused prostacyclin. Malpass TW, et al. **Blood** 1981 Apr;57(4):736–40

Haemodynamic effects of prostacyclin (PGI2) in pulmonary hypertension. Guadagni DN, et al. **Br Heart J** 1981 Apr; 45(4):385–8

Focal mesangial proliferative glomerulonephritis in the rat caused by Habu venom: the effect of antiplatelet agents. Cattell V, et al. **Br J Exp Pathol** 1980 Jun;61(3):310–4

The use of prostacyclin in preventing occlusion of microvascular anastomoses by platelet thrombus: an experimental study in rats. Emerson DJ, et al.
Br J Plast Surg 1981 Jan;34(1):35–7

The use of prostaglandins as local antithrombotic agents in microvascular surgery. Leung PC, et al.
Br J Plast Surg 1981 Jan;34(1):38–40

Prostaglandins in vascular disease [letter]
Br Med J [Clin Res] 1981 Apr 25;282(6273):1396–7

Prostacyclin infusion in haemolytic–uraemic syndrome of children. Beattie TJ, et al. **Br Med J [Clin Res]** 1981 Aug 15;283(6289):470

Prostaglandins in obstetrics [letter] MacKenzie IZ, et al.
Br Med J [Clin Res] 1981 Jul 11;283(6248):142

Role of prostacyclin in the preservation of ischemic myocardial tissue in the perfused cat heart. Araki H, et al. **Circ Res** 1980 Nov;47(5):757–63

Reduction of acute pulmonary hypertension by prostacyclin. Borchert J, et al. **Cor Vasa** 1980;22(4):281–7

Gastric cytoprotection by epidermal growth factor. Role of endogenous prostaglandins and DNA synthesis. Konturek SJ, et al. **Gastroenterology** 1981 Sep;81(3):438–43

Antiplatelet agents and extracorporeal circulation. Weston MJ, et al. **Int J Artif Organs** 1980 May;3(3):129–32

Prostacyclin reversal of lethal endotoxemia in dogs. Krausz MM, et al. **J Clin Invest** 1981 Apr;67(4):1118–25

Alteration of postischemic renal pathology by prostaglandin infusion. Casey KF, et al. **J Surg Res** 1980 Jul;29(1):1–10

Prostacyclin in therapeutics [editorial] **Lancet** 1981 Mar 21; 1(8221):643–4

Prostacyclin safer than heparin in haemodialysis [letter] Arze RS, et al. **Lancet** 1981 Jul 4;2(8236):50

Prostacyclin: haemodynamic and metabolic effects in patients with coronary artery disease. Bergman G, et al. **Lancet** 1981 Mar 14;1(8220 Pt 1):569–72

Prostacyclin administration during cardiopulmonary bypass in man. Longmore DB, et al. **Lancet** 1981 Apr 11; 1(8224):800–4

Prostacyclin for pulmonary hypertension [letter] Szczeklik J, et al. **Lancet** 1980 Nov 15;2(8203):1076

Prostacyclin in central retinal vein occlusion [letter] Zygulska-Mach H, et al. **Lancet** 1980 Nov 15;2(8203):1075

10. Antithrombotic therapy: role of platelet-inhibitor drugs. II. Pharmacologic effects of platelet-inhibitor drugs (second of three parts). Fuster V, et al.
Mayo Clin Proc 1981 Mar;56(3):185–95 (171 ref.)

Prostacyclin for unstable angina [letter] Szczeklik A, et al. **N Engl J Med** 1980 Oct 9;303(15):881

Hemodialysis using prostacyclin instead of heparin as the sole antithrombotic agent. Zusman RM, et al.
N Engl J Med 1981 Apr 16;304(16):934–9

Salutary effects of prostacyclin in endotoxic shock. Lefer AM, et al. **Pharmacology** 1980;21(3):206–12

Recovery of monkeys after myocardial infarction with ventricular fibrillation. Effects of PGB. Angelakos ET, et al. **Physiol Chem Phys** 1980;12(1):81–96

Failure of prostaglandin inhibition to attenuate the tolerance to hemorrhage in domestic chicken. Zambraski EJ, et al. **Poult Sci** 1980 Nov;59(11):2567–9

Decreased sensitivity of human platelets to PGI2 during long-term intraarterial prostacyclin infusion in patients with peripheral vascular disease--a rebound phenomenon? Sinzinger H, et al. **Prostaglandins** 1981 Jan;21(1):49–51

Cytoprotection by prostaglandins. Robert A.
Scand J Gastroenterol [Suppl] 1981;67:223–7 (37 ref.)

Aspirin and bile acid induced gastric mucosal damage: protection by prostaglandins and antacids. Russell RI, et al. **Scand J Gastroenterol [Suppl]** 1981;67:215–7

Prostacyclin: a potent antimetastatic agent. Honn KV, et al. **Science** 1981 Jun 12;212(4500):1270–2

Rationale and proposal for use of prostacyclin in thrombotic thrombocytopenic purpura therapy. Cocchetto DM, et al. **Semin Thromb Hemostas** 1981 Winter;7(1):43–51

The effect of prostacyclin infusion on endotoxin-induced lung injury. Demling RH, et al. **Surgery** 1981 Feb; 89(2):257–63

Treatment of aspiration pneumonia with ibuprofen and prostacyclin. Utsunomiya T, et al. **Surgery** 1981 Aug; 90(2):170–6

Prostacyclin therapy in peripheral arterial disease. Szczeklik A, et al. **Thromb Res** 1980 Jul 1–15;19(1–2):191–9

Experimental assessment of prostacyclin in the harvesting of kidneys for transplantation. Mundy AR, et al.
Transplantation 1980 Oct;30(4):251–5

Prostacyclin and atherosclerosis. Szczeklik A. **Triangle** 1980; 19(2):61–7

[Extracorporeal circulation with autotransfusion. Use of prostacyclin (letter)] Fabiani JN, et al.
Nouv Presse Med 1980 Jun 28;9(28):1961–2 **(Fre)**

[Current status of the prostacyclin story for clinical use] Sinzinger H, et al. **Vasa** 1981;10(1):70–3 **(Ger)**

[Prostacyclin in treatment of peripheral vascular disease of lower extremities (author's transl)] Szczeklik A, et al.
Przegl Lek 1980;37(9):659–62 (Eng. Abstr.) **(Pol)**

TOXICITY

Teratology study in the mouse using a prostaglandin and a prostaglandin synthetase inhibitor. Marsk L.
Toxicol Lett 1980 Oct;6(6):423–6

URINE

Enhancement of urinary prostaglandin excretion by chlorazanil in rats. Effects of indomethacin. Olsen UB, et al. **Acta Pharmacol Toxicol (Copenh)** 1980 Oct;47(4):263–6

Altered renal hemodynamic and urinary prostaglandin response to acute hypoxemia after inhibition of prostaglandin synthesis in the anesthetized dog. Weismann DN. **Circ Res** 1981 May;48(5):632–40

Urinary prostaglandins following frusemide treatment and salt depletion in normal subjects and subjects with diabetic hyporeninaemic hypoaldosteronism. Farese RV, et al.
Clin Endocrinol (Oxf) 1980 Nov;13(5):447–53

Metabolism of prostacyclin in Cynomolgus monkey. Sun FF, et al. **Prostaglandins** 1981 Feb;21(2):307–14

[Biological assay of prostaglandin in rat urine using fundus of rat stomach (author's transl)] Takeuchi K, et al.
Nippon Yakurigaku Zasshi 1980 Apr;76(3):179–84 (Eng. Abstr.) **(Jpn)**

[Method for determining prostaglandins in urine] Levitskaia Nekrasova AA, et al. **Vopr Med Khim** 1980 Jul–Aug; 26(4):557–61 (Eng. Abstr.) **(Rus)**

PROSTAGLANDINS A

ADMINISTRATION & DOSAGE

[Extraamniotic prostaglandins F2, alpha and E2 in induced labor with dead fetus] Iglesias E, et al.
Acta Obstet Ginecol Hisp Lusit 1980 Apr;28(4):247–58 **(Spa)**

BLOOD

Renal vein renin activity and prostaglandins A and E in hypertension. Pletka PG, et al. **Nephron** 1981;27(1):43–6

[Characteristics of the changes in the endogenous prostaglandin content in the acute period of myocardial infarct] Aleshin OI, et al.
Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR 1981;4(1):42–6 (Eng. Abstr.) **(Rus)**

[Prostaglandins in bronchial asthma in children] Reznik IB.
Pediatriia 1980 Jul;(7):35–8 (Eng. Abstr.) **(Rus)**

[Effect of acute sodium chloride load on blood prostaglandin levels in healthy subjects and in patients with hypertension] Shkhvatsabaia IK, et al. **Ter Arkh** 1980;52(12):39–43 (Eng. Abstr.) **(Rus)**

METABOLISM

The omega- and (omega-1)-hydroxylase activities of prostaglandins A1 and E1 and lauric acid by pig kidney microsomes and a purified kidney cytochrome P-450. Okita RT, et al. **J Biol Chem** 1981 Jun 25;256(12):5961–4

Glutathione-prostaglandin A1 conjugate as substrate in the purification of prostaglandin 9-ketoreductase from rabbit kidney. Toft BS, et al. **Prostaglandins** 1980 Oct;20(4):735–46

PHARMACODYNAMICS

The effects of prostaglandin A1 and prostaglandin B1 on the differentiation of cartilage in the chick embryo. Kirkpatrick CJ. **Cell Tissue Res** 1980;210(1):111–20

The effect of prostaglandins A2,E1,E2,15 methyl E2, 16, 16 dimethyl E2 and F2 alpha on erythropoiesis. Arce JM, et al. **Prostaglandins** 1981 Mar;21(3):367–77

Cartilage growth inhibition and necrosis in vitro caused by prostaglandin A1. Kirkpatrick CJ.
Virchows Arch [Cell Pathol] 1980;33(1):91–105

THERAPEUTIC USE

[Effects of PGA 1 on immune response in mice with melanoma B 16] Favalli C, et al.
Boll Soc Ital Biol Sper 1980 Oct 30;56(20):2042–8 **(Ita)**

PROSTAGLANDINS A, SYNTHETIC

PHARMACODYNAMICS

Effect of prostaglandin on ion transport across isolated colonic mucosa. Racusen LC, et al. **Dig Dis Sci** 1980 Dec; 25(12):900–4

THERAPEUTIC USE

Prostaglandin analogs as inhibitors of tumor cell DNA synthesis. Honn KV, et al. **Proc Soc Exp Biol Med** 1981 Apr;166(4):562–7

PROSTAGLANDINS B see under **PROSTAGLANDINS**

PROSTAGLANDINS D see under **PROSTAGLANDINS**

PROSTAGLANDINS E

Prostaglandin E1 hyperthermia: effects on ability to work in the heat. Francesconi R, et al. **J Appl Physiol** 1981 Jul; 51(1):62–7

ADMINISTRATION & DOSAGE

Single application of prostaglandin E2 in a viscous gel for induction of labor at term in patients with favorable cervix. Wingerup L, et al. **Acta Obstet Gynecol Scand** 1981; 60(1):17–9

Induction of labor by oral PGE2 administration--evaluation of different dose schedules. Bremme K, et al.
Acta Obstet Gynecol Scand [Suppl] 1980;92:5–10

Oxytocin potentiation with low dose intravenous prostaglandin E2 in the management of therapeutic abortion. Beazley JM, et al. **Br J Clin Pract** 1980 Nov–Dec; 34(11–12):329–33

Induction of labour with vaginal prostaglandin E2 pessaries [letter] Laurence DT, et al. **Br J Obstet Gynaecol** 1980 Jul;87(7):639–40

In vitro studies of the characteristics of the release of prostaglandins from viscous solutions. MacKenzie IZ, et al. **Br J Obstet Gynaecol** 1980 Apr;87(4):292–5

Induction of labour with a sustained-release prostaglandin E2 vaginal pessary. Embrey MP, et al. **Br Med J** 1980 Oct 4;281(6245):901–2

Prostaglandin termination of pregnancy [letter] Eton B.
Br Med J [Clin Re] 1981 Jan 3;282(6257):72–3

Prostaglandins in gel for abortion [letter] Djahanbakhch O, et al. **Br Med J [Clin Res]** 1981 Aug 29;283(6291):614

Prostaglandins in gel for mid-trimester abortion: a method to minimise nursing involvement. Smith DH, et al.
Br Med J [Clin Res] 1981 Jun 20;282(6281):2012

Induction of labour with prostaglandin E2 vaginal tablets. Khoo PP, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Apr;11(5):313–8

Comparison of oral prostaglandin E2 and intravenous oxytocin for induction of labour. Lichtenegger W, et al. **Gynecol Obstet Invest** 1981;12(4):197–202

Abortion with sulprostone, a prostaglandin E2 derivative. Pulkkinen MO, et al. **Int J Gynaecol Obstet** 1980 Jul–Aug; 18(1):40–3

Long-term low-dose prostaglandin E1 administration [letter] Sone K, et al. **J Pediatr** 1980 Nov;97(5):866–7

Comparative trial of extra-amniotic and vaginal prostaglandin E2 in tylose gel for induction of labor. Clarke GA, et al. **J Perinat Med** 1980;8(5):236–40

Preparation, characterization, and stability of new prostaglandin E2 gel for local administration. Harris AS, et al. **J Pharm Sci** 1980 Nov;69(11):1271–3

Intra-arterial alprostadil for nonatherosclerotic vasculopathy. Wooster DL, et al. **JAMA** 1981 May 8;245(18):1846–9

Clinical experiences with a new gel for intracervical application of prostaglandin E2 before therapeutic abortion or induction of term labor. Ulmsten U, et al.
Prostaglandins 1980 Sep;20(3):533–46

Intravaginal prostaglandin E2 for cervical ripening and induction of labour. A comparison of gel and tablets. Davey DA, et al. **S Afr Med J** 1980 Sep 27;58(13):516–8

The induction of labour with prostaglandin E2 tablets administered intravaginally. Dommisse J, et al.
S Afr Med J 1980 Sep 27;58(13):518–9

An evaluation of prostaglandin E2 administered intrarectally to induce labour. Dommisse J, et al. **S Afr Med J** 1981 May 30;59(23):817–8

Prostaglandins: an alternative concept for induction of labor. Shepherd JH, et al. **South Med J** 1980 Nov;73(11):1476–7

Preliminary experience with prostaglandins E1 and I2 in peripheral vascular disease. Pardy BJ, et al. **Surgery** 1980 Dec;88(6):826–32

Termination of pregnancy in patients with missed abortion and intrauterine dead fetuses by a single intracervical application of prostaglandin E2 in viscous gel. Ekman G, et al. **Zentralbl Gynaekol** 1980;102(4):219–22

[Induction of labor with PGE2 placed in a cervical cup (author's transl)] Grünberger W, et al. **Arch Gynecol** 1980; 229(3):245–51 (Eng. Abstr.) **(Ger)**

[Postpartal serum bilirubin levels in the newborn after

induction of labour with 'prostaglandin cap' or oxytocin (author's transl)] Grünberger W, et al. **Z Geburtshilfe Perinatol** 1981 Apr;185(2):116–20 (Eng. Abstr.) **(Ger)**

[Local application of prostaglandins by means of a portio-adapter: A new method of induction of labor (author's transl)] Husslein P, et al. **Z Geburtshilfe Perinatol** 1980 Aug;184(4):267–74 (Eng. Abstr.) **(Ger)**

[Some problems of prostaglandin E1 administration during cardiopulmonary bypass (author's transl)] Anzai T, et al. **Kyobu Geka** 1980;33(9):672–5 (Eng. Abstr.) **(Jpn)**

[Effects of topically used prostaglandins E1, E2, F2 alpha on psoriatic lesions (author's transl)] Katayama H, et al. **Nippon Hifuka Gakkai Zasshi** 1980 Oct;90(11):1031–4 **(Jpn)**

[Extraamniotic prostaglandins F2, alpha and E2 in induced labor with dead fetus] Iglesias E, et al. **Acta Obstet Ginecol Hisp Lusit** 1980 Apr;28(4):247–58 **(Spa)**

[Induction of low risk labor with oral prostaglandin E2] Iglesias E, et al. **Acta Obstet Ginecol Hisp Lusit** 1980 Apr; 28(4):231–44 **(Spa)**

[Intravenous prostaglandin E2 in inductions of high risk labor] Iglesias E, et al. **Acta Obstet Ginecol Hisp Lusit** 1980 Apr;28(4):261–80 **(Spa)**

ADVERSE EFFECTS

Intestinal colic and diarrhea as side effects of intravenous alprostadil administration. Sankaran K, et al. **Am J Dis Child** 1981 Jul;135(7):664–5

Third-trimester uterine rupture associated with vaginal prostaglandin E2. Sawyer MM, et al. **Am J Obstet Gynecol** 1981 Jul 15;140(6):710–1

Uterine rupture at term with vaginal prostaglandin E2. Valenzuela G, et al. **Am J Obstet Gynecol** 1980 Dec 15; 138(8):1223–4

Cortical hyperostosis after administration of prostaglandin E [letter] Dekel S, et al. **J Pediatr** 1981 Sep;99(3):500–1

Cortical hyperostosis following long-term administration of prostaglandin E1 in infants with cyanotic congenital heart disease. Ueda K, et al. **J Pediatr** 1980 Nov;97(5):834–6

Uterine scar rupture in labour induced with vaginal prostaglandin E2 [letter] Bromham DR, et al. **Lancet** 1980 Aug 30;2(8192):485–6

Prolonged prostaglandin E1 infusion: histologic effects on the patent ductus arteriosus. Cole RB, et al. **Pediatrics** 1981 Jun;67(6):816–9

[Influence of oxytocin and prostaglandin E2 on icterus neonatorum (author's transl)] Liebenstein J, et al. **Geburtshilfe Frauenheilkd** 1981 Mar;41(3):222–6 (Eng. Abstr.) **(Ger)**

ANALYSIS

Prostaglandins in human milk. Lucas A, et al. **Arch Dis Child** 1980 Dec;55(12):950–2

Prostaglandin E and F concentrations in placentae of normal, hypertensive and pre-eclamptic patients. Hillier K, et al. **Br J Obstet Gynaecol** 1981 Mar;88(3):274–7

Effect of colchicine on jejunal adenylate cyclase activity, PGE2 and cAMP contents. Rachmilewitz D, et al. **Eur J Pharmacol** 1980 Oct 17;67(2–3):235–9

Effect of water-immersion stress on prostaglandin E2 in rat gastric mucosa. Arakawa T, et al. **Gastroenterol Jpn** 1981; 16(3):236–41

Prostaglandins and steroid hormones in plasma and ovarian follicles during the ovulation cycle of the domestic hen (Gallus domesticus). Hammond RW, et al. **Gen Comp Endocrinol** 1980 Oct;42(2):195–202

Uterine prostaglandin levels in pregnant ovariectomized rats. Garg SK, et al. **Indian J Med Res** 1981 May;73:782–6

Uterine prostaglandins E and F levels during pregnancy in the rats. Garg SK. **Indian J Med Res** 1981 Apr;73:637–40

Circulating prostaglandin E2 concentrations and patent ductus arteriosus in fetal and neonatal lambs. Clyman RI, et al. **J Pediatr** 1980 Sep;97(3):455–61

Prostaglandins in gingiva of patients with periodontal disease. ElAttar TM, et al. **J Periodontol** 1981 Jan;52(1):16–9

Radioimmunoassay of prostaglandins in the semen of fertile men. Gerozissis K, et al. **J Reprod Fertil** 1981 Mar; 61(2):487–90

Levels of prostaglandin F2 alpha, E2 in the human uterine tissues and in human fallopian tubes from nonpregnant women. Oyamada T. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Jan;33(1):155–60

Prostaglandins in human milk. Reid B, et al. **Pediatrics** 1980 Dec;66(6):870–2

Prostaglandin E1 and E2 in bovine semen: quantification by gas chromatography. Mai J, et al. **Prostaglandins** 1980 Aug; 20(2):187–97

Concentration of prostaglandins PGE and PGF, estrone, estradiol, and progesterone in human corpora lutea. Patwardhan VV, et al. **Prostaglandins** 1980 Dec;20(6):963–9

[Relationship between the onset of labor and prostaglandins in rabbit tissues before and after delivery (author's transl)] Makimura N, et al. **Acta Obstet Gynaecol Jpn** 1981 Mar; 33(3):377–83 (Eng. Abstr.) **(Jpn)**

[Effect of oxytocin administration on prostaglandin concentrations in uterine and placental tissues of pregnant rabbit (author's transl)] Nagata I, et al. **Acta Obstet Gynaecol Jpn** 1981 Apr;33(4):455–60 (Eng. Abstr.) **(Jpn)**

[Prostaglandins levels in the aqueous of vitreous tug syndrome and their changes by pars plana vitrectomy (author's transl)] Miyake K. **Nippon Ganka Gakkai Zasshi** 1980 Oct 10;84(10):1461–7 (Eng. Abstr.) **(Jpn)**

[Endometrial content of prostaglandins in IUD-bearing rabbits: the effect of ovarian steroids on changes in endometrial prostaglandins (author's transl)] Tokunaga T. **Nippon Naibunpi Gakkai Zasshi** 1980 Oct 20;56(10):1447–60 (Eng. Abstr.) **(Jpn)**

[Prostaglandin E2 in the gastric mucosa. (3rd report) –Effect of mild acid– (author's transl)] Arakawa T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Jan;78(1):20–3 (Eng. Abstr.) **(Jpn)**

[Prostaglandin E2 in the rat gastric mucosa (first report). Establishment of assay procedure and effects of nonsteroidal antiinflammatory compounds (author's transl)] Arakawa T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1980 Jul;77(7):1052–9 (Eng. Abstr.) **(Jpn)**

[Prostaglandin E2 in the rat gastric mucosa (second report)--effect of water-immersion stress (author's transl)] Arakawa T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1980 Nov;77(11):1711–6 (Eng. Abstr.) **(Jpn)**

[Prostaglandin E2 in the rat gastric mucosa (3rd report) --effect of cimetidine (author's transl)] Arakawa T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Mar;78(3):647–52 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Effect of ACTH on prostaglandin induced vascular permeability. Gecse A, et al. **Acta Physiol Acad Sci Hung** 1980;55(4):305–11

Inhibition by ADP of prostaglandin induced accumulation of cyclic AMP in intact human platelets. Macfarlane DE, et al. **J Cyclic Nucleotide Res** 1981;7(1):1–11

[Effect of synaptically active substances on the hyperthermic effect of prostaglandin E2 in rats] Gurin VN, et al. **Biull Eksp Biol Med** 1981 Mar;91(3):304–5 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Thromboxane B2 and prostaglandin E2 in the K+-depleted rat kidney. Beck N, et al. **Am J Physiol** 1981 Feb; 240(2):F151–7

Prostaglandin E2 production by rabbit urinary bladder. Brown WW, et al. **Am J Physiol** 1980 Nov;239(5):F452–8

Prostaglandin E2 is the prevalent metabolite of arachidonic acid formed by aortic tissue of the chicken. Claeys M, et al. **Arch Int Pharmacodyn Ther** 1981 Feb;249(2):312–5

Prostaglandin E2 synthesis in pigeon aorta: comparison of atherosclerosis-resistant (Show Racer) and atherosclerosis-prone (White Carneau) breeds. Gerritsen ME, et al. **Artery** 1980;8(1):56–62

Stimulation of prostaglandin E and hyaluronic acid production by rubella and measles viruses in human synovial fibroblast cultures [letter] Yaron M, et al. **Arthritis Rheum** 1981 Mar;24(3):573

Transient increase in prostaglandin production as an acute response of thyroid isolated follicles to thyrotropin. Igarashi Y, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1045–50

A factor from mononuclear cells stimulates prostaglandin E production by human gingival cells. D'Souza SM, et al. **Biochem Soc Trans** 1980 Oct;8(5):527–8

Prostaglandin biosynthesis by lapine articular chondrocytes in culture. Malemud CJ, et al. **Biochim Biophys Acta** 1981 Feb 23;663(2):480–90

Prostaglandin synthesis in the endometrium of women with ovular dysfunctional uterine bleeding. Smith SK, et al. **Br J Obstet Gynaecol** 1981 Apr;88(4):434–42

Prostaglandin E1 in affective disorders and alcoholism [letter] Lieb J. **Br Med J** 1980 Aug 9;281(6237):453

Production of prostaglandin E2 by tumor cells in vitro. Owen K, et al. **Cancer Res** 1980 Sep;40(9):3167–71

The effect of Fc fragments of IgG on human mononuclear cell responses. Passwell J, et al. **Cell Immunol** 1980 Jul 1;52(2):395–403

Dissociation of renin--aldosterone and renal prostaglandin E during volume expansion induced by immersion in normal man. Epstein M, et al. **Clin Sci** 1980 Jul;59(1):55–62

Intrarenal conversion of prostaglandin F2 alpha into prostaglandin E2 and renin release in the isolated perfused rat kidney. Schwertschlag U, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:117s–119s

Inhibition of prostaglandin E synthesis augments glucose-induced insulin secretion is cultured pancreas. Metz SA, et al. **Diabetes** 1981 Jul;30(7):551–7

Stimulation of renal prostaglandin synthesis by the pressor activity of vasopressin. Zipser RD, et al. **Endocrinology** 1981 Feb;108(2):495–9

On the mechanism of elevated prostaglandin E2 production in 3T3 fibroblasts transformed by polyoma virus. Roos P, et al. **Eur J Biochem** 1980;108(1):279–83

beta-Adrenoceptor activation induces prostaglandin E2 generation in guinea-pig trachea. Omini C, et al. **Eur J Pharmacol** 1981 Jun 19;72(2–3):227–31

A reverse hemolytic plaque assay for the detection of prostaglandin production by individual cells in vitro. Birek C, et al. **Exp Cell Res** 1980 Sep;129(1):95–101

Acetylcholine promotes the synthesis of prostaglandin E in mouse pancreas. Banschbach MW, et al. **FEBS Lett** 1980 Aug 11;117(1):131–3

Purification of a factor from human blood monocyte-macrophages which stimulates the production of collagenase and prostaglandin E2 by cells cultured from rheumatoid synovial tissues. Dayer JM, et al. **FEBS Lett** 1981 Feb 23;124(2):253

Effect of prednisolone on prostaglandin synthesis by rectal mucosa in ulcerative colitis: investigation by laminar flow bioassay and radioimmunoassay. Hawkey CJ, et al. **Gut** 1981 Mar;22(3):190–3

Contribution of prostaglandins to the antihypertensive action of captopril in essential hypertension. Moore TJ, et al. **Hypertension** 1981 Mar–Apr;3(2):168–73

Direct demonstration of the formation of prostaglandin E2 due to phosphatidylinositol breakdown associated with stimulation of enzyme secretion in the pancreas. Marshall PJ, et al. **J Biol Chem** 1981 Jan 25;256(2):844–7

Bradykinin and angiotensin II activation of arachidonic acid deacylation and prostaglandin E2 formation in rabbit kidney. Hormone-sensitive versus hormone-insensitive lipid pools of arachidonic acid. Schwartzman M, et al. **J Biol Chem** 1981 Mar 10;256(5):2329–33

Biosynthesis of prostaglandin E2 and F2 alpha in gingiva of patients with chronic periodontitis. Elattar TM, et al. **J Dent Res** 1981 Mar;60(3):748–50

Lymphokine-mediated bone resorption requires endogenous prostaglandin synthesis. Bockman RS, et al. **J Exp Med** 1981 Aug 1;154(2):529–34

Inhibition of rabbit renal prostaglandin E2 biosynthesis by chronic potassium deficiency. Attallah AA, et al. **J Lab Clin Med** 1981 Feb;97(2):205–12

The nature of the prostaglandin-producing mononuclear cell in human peripheral blood. Bankhurst AD, et al. **J Lab Clin Med** 1981 Feb;97(2):179–86

Metabolic alterations in the endogenous formation of 6 keto-prostaglandin F1 alpha, thromboxane B2 and prostaglandin E2 in the brain-stem of stroke-resistant spontaneously hypertensive rats. Ohtsu E, et al. **J Nutr Sci Vitaminol (Tokyo)** 1980;26(4):343–7

Induction of collagenase and prostaglandin synthesis in synovial fibroblasts treated with monosodium urate crystals. McMillan RM, et al. **J Pharm Pharmacol** 1981 Jun;33(6):382–3

The effect of arginine vasopressin and its analogs on the synthesis of prostaglandin E2 by rat renal medullary interstitial cells in culture. Beck TR, et al. **J Pharmacol Exp Ther** 1980 Oct;215(1):15–9

Arachidonic acid stimulates short-circuit current in the isolated toad urinary bladder. Halushka PV, et al. **J Pharmacol Exp Ther** 1980 Jun;213(3):462–7

Dose-dependent stimulation of renal prostaglandin synthesis by deamino-8-D-arginine vasopressin in rats with hereditary diabetes insipidus. Walker LA, et al. **J Pharmacol Exp Ther** 1981 Apr;217(1):87–91

Development of a dual isotopes techniques and two-stage column chromatography to characterize the prostaglandin F2alpha, E2 and Thromboxane B2 formed by the guinea pig lung. Giri SN, et al. **J Pharmacol Methods** 1980 Dec; 4(4):335–53

Prostaglandin synthesis in the male and female reproductive tract. Kelly RW. **J Reprod Fertil** 1981 May;62(1):293–304

Effects of testosterone and estradiol on prostaglandin E synthesis by rat kidney medulla. Hirafuji M, et al. **Jpn J Pharmacol** 1981 Feb;31(1):33–7

Inhibition of prostaglandin synthesizing enzymes by haptoglobin and plasma of rats with inflammation. Komoriya K, et al. **Jpn J Pharmacol** 1980 Dec; 30(6):899–904

Human synovium releases a factor which stimulates chondrocyte production of PGE and plasminogen activator. Meats JE, et al. **Nature** 1980 Aug 28; 286(5776):891–2

Neutral protease activation of peritoneal macrophage prostaglandin synthesis. Chang J, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4736–40

Inhibition of renal PGE2 biosynthesis in vivo: regional differences. Attallah A, et al. **Prostaglandins** 1980 May; 19(5):649–50

Altered PGE2 production by glomeruli and papilla of rats with hereditary diabetes insipidus. Bankir L, et al. **Prostaglandins** 1980 Aug;20(2):349–65

Prostaglandin production by human blood monocytes and mouse peritoneal macrophages: synthesis dependent on in vitro culture conditions. Bockman RS. **Prostaglandins** 1981 Jan;21(1):9–31

Stimulation of rat colonic mucosal prostaglandin synthesis by calcium and carbamylcholine: relationship to alterations in cyclic nucleotide metabolism. Craven PA, et al. **Prostaglandins** 1981 Jan;21(1):65–81

Metabolism of linoleic and arachidonic acids in VX2 carcinoma tissue: identification of monohydroxy octadecadienoic acids and monohydroxy eicosatetraenoic acids. Hubbard WC, et al. **Prostaglandins** 1980 Sep; 20(3):431–47

Dissociation of aldosterone and prostaglandin biosynthesis in the rat adrenal glomerulosa. Miller RT, et al. **Prostaglandins** 1980 Sep;20(3):449–62

The production of prostaglandins in response to experimentally induced osteomyelitis in rabbits. Corbett M, et al. **Prostaglandins Med** 1979 Jun;2(6):403–12

Altered immune complex-induced prostaglandin production

in human and murine lupus. Poleshuck LC, et al. **Prostaglandins Med** 1981 Mar;6(3):317–27

The differential inhibition of prostaglandin synthesis in platelets and vascular tissue in response to aspirin. Shaikh BS, et al. **Prostaglandins Med** 1980 Jun;4(6):439–47

The role of monocytes and prostaglandin E in the regulation of mitogen response. Endo F, et al. **Tohoku J Exp Med** 1981 Jan;133(1):119–20

Cyclic AMP and immune responses: identification of prostaglandin E-producing cells in mouse spleens. Shimamura T, et al. **Tokai J Exp Clin Med** 1980 Oct; 5(4):443–9

Collagens stimulate the production of mononuclear cell factor (MCF) and prostaglandins (PGE2) by human monocytes. Dayer JM, et al. **Trans Assoc Am Physicians** 1980;93:326–35

[Prostaglandin biosynthesis in psoriatic epidermis (author's transl)] Michel B, et al. **Ann Dermatol Venereol** 1980; 107(10):889–93 (40 ref.) (Eng. Abstr.) **(Fre)**

[Preliminary results on the possible role of intestinal peroxidase (EC 1.11.1.7) in the biosynthesis of prostaglandins] Carlà V, et al. **Boll Soc Ital Biol Sper** 1980 Dec 30;56(24):2535–8 (Eng. Abstr.) **(Ita)**

[Influence of propyl-gallate and 2-mercaptopropionylglycine on the development of acute inflammatory reactions and on biosynthesis of PGE2] Franzone JS, et al. **Boll Soc Ital Biol Sper** 1980 Dec 30;56(24):2539–45 (Eng. Abstr.) **(Ita)**

[Studies on the mechanism and the significance of prostaglandin biosynthesis by the ovary—conversion of 14C-arachidonic acid to prostaglandins (author's transl)] Mitsuhashi N. **Acta Obstet Gynaecol Jpn** 1981 May; 33(5):591–6 (Eng. Abstr.) **(Jpn)**

[Studies on the mechanism and the significance of prostaglandin biosynthesis by the ovary —ovulation block by the indomethacin and incubation of the follicle (author's transl)] Mitsuhashi N. **Acta Obstet Gynaecol Jpn** 1981 Apr; 33(4):479–88 (Eng. Abstr.) **(Jpn)**

[Prostaglandins as tumor marker] Abe K, et al. **Nippon Rinsho** 1980 Dec;38(12):4635–40 (30 ref.) **(Jpn)**

[Prostaglandins in human pregnancy and labor—studies on the levels of PGF2 alpha metabolites and in vitro production of PGE and PGF by uterus and placenta during human pregnancy and labor (author's transl)] Yasumizu T. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Jan;33(1):1–10 (Eng. Abstr.) **(Jpn)**

[Stimulation of prostaglandin E2 and F2a biosynthesis in the brains of mouse strain F1 (CBA X C57BL) by the tranquilizer phenazepam] Romantsev EF, et al. **Dokl Akad Nauk SSSR** 1981;258(1):239–42 **(Rus)**

[Effect of ACTH in the biosynthesis of prostaglandins, adenosine cyclic monophosphate and steroids in the adrenal cortex of rabbits in vivo] Iudaev NA, et al. **Probl Endokrinol (Mosk)** 1980 Jul-Aug;26(4):46–51 (Eng. Abstr.) **(Rus)**

BLOOD

Effect of calcium on prostaglandin .E2 release in dogs. Okahara T, et al. **Am J Physiol** 1981 Jul;241(1):F77–84

Bartter's syndrome: effect of indomethacin on prostaglandins, urinary kallikrein, renin-angiotensin-aldosterone system, and the response to angiotensin II antagonist. Sasaki H, et al. **Endocrinol Jpn** 1980 Aug;27(4):417–29

Influence of the lung on arterial levels of endogenous prostaglandins E and F. Pitt BR, et al. **J Appl Physiol** 1981 Jun;50(6):1161–7

Determination of an antisecretory trimethyl prostaglandin E2 analog in human plasma by combined capillary column gas chromatography-negative chemical ionization mass spectrometry. Min BH, et al. **J Chromatogr** 1980 Oct 10; 183(4):411–9

Effects of prostaglandin on experimental bone malignancy and on scintigrams of bone and marrow. Otsuka N, et al. **J Nucl Med** 1981 May;22(5):433–40

Rat platelet prostaglandin, cyclic AMP and lipid response to variations in dietary fat. Fine KM, et al. **J Nutr** 1981 Apr;111(4):699–707

Prostaglandins in the umbilical and uterine circulations during late pregnancy in the ewe. Mitchell MD, et al. **J Reprod Fertil** 1980 Mar;58(2):283–7

Species variation in serum levels of prostaglandins and their precursor acids. Hwang DW, et al. **Lipids** 1980 Aug; 15(8):597–600

Renal vein renin activity and prostaglandins A and E in hypertension. Pletka PG, et al. **Nephron** 1981;27(1):43–6

Circulating prostaglandin E2 concentrations and incidence of patent ductus arteriosus in preterm infants with respiratory distress syndrome. Clyman RI, et al. **Pediatrics** 1980 Nov;66(5):725–9

Observations on prostaglandins in normal and leukemic human lymphocytes. Carpentieri U, et al. **Prostaglandins** 1980 Dec;20(6):1117–29

Influence of electrically induced tachyarrhythmia on the release of cyclic AMP and PGE in canine coronary sinus blood and on the level of cyclic AMP in myocardial tissue. Mest HJ, et al. **Prostaglandins** 1981 Apr;21(4):623–35

Prostaglandin levels and renin activity in renal venous blood of patients with renal hypertension. Ignatowska-Switalska H, et al. **Prostaglandins Med** 1981 Jan;6(1):65–74

[Alterations of oxytocin and prostaglandin E1, E2, F2 alpha levels in human plasma during labor (author's transl)] Nagata I, et al. **Acta Obstet Gynaecol Jpn** 1981 May; 33(5):607–11 (Eng. Abstr.) **(Jpn)**

[Prostaglandins and dysmenorrhea effect of naproxen on prostaglandin concentrations in menstrual blood (author's transl)] Ninagawa T, et al. **Acta Obstet Gynaecol Jpn** 1981 Apr;33(4):449–54 (Eng. Abstr.) **(Jpn)**

[Fibrinolysis activation and the kininogen system and prostaglandin activity in the blood of patients with arteriosclerosis] Lukjan H, et al. **Acta Haematol Pol** 1980 Jul-Sep;11(3):121–7 (Eng. Abstr.) **(Pol)**

[Concentration of PGE and 13,14-dihydro-15-keto-PGF2 alpha in bronchial asthma during corticotherapy] Lypka A, et al. **Pneumonol Pol** 1980 Aug;48(8):525–9 (Eng. Abstr.) **(Pol)**

[Role of the renin-angiotensin system and prostaglandins with depressor action in the pathogenesis of late pregnancy toxicosis] Matsuganova TN. **Akush Ginekol (Mosk)** 1981 Mar;(3):25–7 (Eng. Abstr.) **(Rus)**

[Characteristics of the changes in the endogenous prostaglandin content in the acute period of myocardial infarct] Aleshin OI, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1981;4(1):42–6 (Eng. Abstr.) **(Rus)**

[Prostaglandins in bronchial asthma in children] Reznik IB. **Pediatriia** 1980 Jul;(7):35–8 (Eng. Abstr.) **(Rus)**

[Effect of acute sodium chloride load on blood prostaglandin levels in healthy subjects and in patients with hypertension] Shkhvatsabaia IK, et al. **Ter Arkh** 1980;52(12):39–43 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Prostaglandins E2 and F2 alpha in the cerebrospinal fluid in patients with multiple sclerosis. Rosnowska M, et al. **Acta Med Pol** 1981;22(1):97–103

Prostaglandin E levels in third ventricular cerebrospinal fluid of rabbits during fever and changes in body temperature. Bernheim HA, et al. **J Physiol (Lond)** 1980 Apr;301:69–78

DEFICIENCY

Sjogren's syndrome and the sicca syndrome: the role of prostaglandin E1 deficiency. Treatment with essential fatty acids and vitamin C. Horrobin DF, et al. **Med Hypotheses** 1980 Mar;6(3):225–32

DIAGNOSTIC USE

The value of prostaglandin E1 and selective angiography in the territorial definition of axial pattern flaps of the buttock. Maruyama Y, et al. **Br J Plast Surg** 1981 Jan; 34(1):67–71

[Effect of prostaglandins E2 and F2 on mast cell serotonin content in experimental pancreatitis] Aleksandrov PN, et al. **Biull Eksp Biol Med** 1981 May;91(5):535–7 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Lymphocyte traffic through antigen-stimulated lymph nodes. II. Role of Prostaglandin E2 as a mediator of cell shutdown. Hopkins J, et al. **Immunology** 1981 Feb;42(2):225–31

Antigen-induced non-specific suppressor factor in sheep efferent lymph is prostaglandin E2. Hopkins J, et al. **Immunology** 1981 May;43(1):205–12

[Role of prostaglandins in immunological reactions] Zaorska B. **Pediatr Pol** 1981 Mar;56(3):335–9 (28 ref.) **(Pol)**

[Role of prostaglandins in immunological reactions] Januszewicz P. **Pol Tyg Lek** 1981 Mar 23;36(12):457–8 (41 ref.) **(Pol)**

METABOLISM

Prostaglandins PGE and PGF in human ovarian follicles: endogenous contents and in vitro formation by theca and granulosa cells. Patwardhan VV, et al. **Acta Endocrinol (Copenh)** 1981 Aug;97(4):543–50

Role of the kidney and lung in the handling of prostaglandin E in hemorrhagic shock. Selkurt EE. **Adv Shock Res** 1978; 1:159–78

Metabolism of prostaglandins and xenobiotics by adrenal microsomal monooxygenase in the guinea pig. Kupfer D, et al. **Arch Biochem Biophys** 1980 Dec;205(2):297–307

Prostaglandin metabolism in the rat adrenal cortex: characteristics of prostaglandin-9-ketoreductase and 15-hydroxyprostaglandin dehydrogenase. Levasseur S, et al. **Biochem Biophys Res Commun** 1980 Jul 16;95(1):236–42

Prostaglandin E2 metabolism by isolated kidneys of New Zealand genetically hypertensive and normotensive rats. Cagen LM, et al. **Biochem Med** 1981 Feb;25(1):98–105

Calcium dependence of prostaglandin release from the guinea pig Taenia coli. Diegel J, et al. **Biochim Biophys Acta** 1980 Sep 8;619(3):482–93

Perinatal variations of prostaglandins E2 and F alpha levels in brown adipose tissue of the rat; effects of ambient temperature. Portet R, et al. **Biochimie** 1980;62(10):715–8

Tromboxane B2 inhibits the pulmonary inactivation of prostaglandin E2 in the dog. Fitzpatrick TM, et al. **Br J Pharmacol** 1980 Oct;70(2):295–9

Lymphocyte-induced production of prostaglandin E2 by tumor cells in vitro: requirements for direct contact and lymphocyte viability. Owen K, et al. **Cell Immunol** 1980 Oct;55(2):428–35

Increased prostacyclin release from perfused hearts of acutely diabetic rats. Rösen P, et al. **Diabetologia** 1980 May; 18(5):391–4

Prostaglandin E2 in gastric mucosa and its role in the prevention of ulcers induced by acetyl salicylic acid in cats. Konturek SJ, et al. **Digestion** 1981;21(4):205–13

3H-PGE1 binding and production of cAMP and testosterone by Leydig cells during adolescence in rats. Seböková E, et al. **Endocrinol Exp (Bratisl)** 1981;15(2):81–6

The effects of ozone and paraquat on PGF2 alpha and PGE2 levels in plasma and combined pleural effusion and lung lavage of rats. Giri SN, et al. **Environ Res** 1980 Apr; 21(2):467–76

Prostaglandin E release by rat medial basal hypothalamus in vitro. Inhibition by melatonin at submicromolar concentrations. Cardinali DP, et al. **Eur J Pharmacol** 1980 Oct 3;67(1):151–3

Endogenously formed PGE2 mediates the increase in cAMP accumulation in rabbit splenic fibroblasts following alpha-receptor stimulation. Jackisch R, et al. **Eur J Pharmacol** 1981 Apr 24;71(1):151–5

The effect of beta-adrenergic stimulation and blockade on the efflux of PGE1-like material from the isolated perfused rabbit heart. Amin DV, et al. **Experientia** 1980 Dec 15; 36(12):1410–1

Antioxidant effects on the prostaglandin endoperoxide synthetase product profile. Carpenter MP. **Fed Proc** 1981 Feb;40(2):189–94

Prostaglandin production by Rhesus monkey corpora lutes in vitro: Effects of estrogen administration. Balmaceda JP, et al. **Int J Gynaecol Obstet** 1980 Jul-Aug;18(1):15–8

Effect of dioctyl sodium sulfosuccinate on cyclic AMP and prostaglandin E2 contents, and Na,K-ATPase, adenylate cyclase and phosphodiesterase activities in rat intestine. Rachmilewitz D, et al. **Isr J Med Sci** 1981 Jan;17(1):28–35

Prostaglandin E1 uptake by isolated cat lungs perfused with physiological salt solution. Linehan JH, et al. **J Appl Physiol** 1981 Feb;50(2):428–34

Specific binding of prostaglandins E1 and E2 to adrenal medulla. Karaplis AC, et al. **J Biol Chem** 1981 Mar 10; 256(5):2414–9

The omega- and (omega-1)-hydroxylase activities of prostaglandins A1 and E1 and lauric acid by pig kidney microsomes and a purified kidney cytochrome P-450. Okita RT, et al. **J Biol Chem** 1981 Jun 25;256(12):5961–4

Release of prostaglandins from bone and muscle after tibial fracture. An experimental study in rabbits. Dekel S, et al. **J Bone Joint Surg [Br]** 1981 Aug;63-B(2):185–9

Suppression of concentration of endometrial prostaglandin in early intra-uterine and ectopic pregnancy in women. Abel MH, et al. **J Endocrinol** 1980 Jun;85(3):379–86

Prostaglandin E and the local immune response in chronic periodontal disease. Immunohistochemical and radioimmunological observations. Löning T, et al. **J Periodont Res** 1980 Sep;15(5):525–35

Release of prostaglandins from the isolated frog ventricle and associated changes in endogenous cyclic nucleotide levels. Flitney FW, et al. **J Physiol (Lond)** 1980 Jul;304:1–20

Studies on the involvement of prostaglandins in implantation in the rat. Phillips CA, et al. **J Reprod Fertil** 1981 May; 62(1):73–81

Arachidonic acid oxygenation products produced by mouse peritoneal macrophages responding to inflammatory stimuli. Bonney RJ, et al. **J Reticuloendothel Soc** 1980 Dec; 28(Suppl):113s–115s (21 ref.)

Prostaglandin E2 and cyclic nucleotides during anaphylactic shock in rats. Okabe E, et al. **Jpn J Pharmacol** 1980 Dec; 30(6):773–81

The renin-angiotensin system and renal prostaglandin E2 release in dogs. Okahara T, et al. **Proc Soc Exp Biol Med** 1981 Jan;166(1):57–63

Effect of gestational age on pulmonary metabolism of prostaglandin E1 & E2. Clyman RI, et al. **Prostaglandins** 1981 Mar;21(3):505–13

Prostaglandin formation in bacteria : a reevaluation. Gulbis E, et al. **Prostaglandins** 1981 Mar;21(3):439–41

PGI2-specific antibodies administered in vivo suggest against a role for endogenous PGI2 as a circulating vasodepressor hormone in the normotensive and spontaneously hypertensive rat. Pace-Asciak CR, et al. **Prostaglandins** 1980 Dec;20(6):1053–60

The influence of prostaglandins on sperm motility. Schlegel W, et al. **Prostaglandins** 1981 Jan;21(1):87–99

Distribution of prostaglandin E2-sensitive adenylate cyclase along the rat nephron. Torikai S, et al. **Prostaglandins** 1981 Mar;21(3):427–38

The inactivation of prostaglandin E2 is decreased by dipyridamole and sulfinpyrazone in isolated rat lungs. Uotila P, et al. **Prostaglandins** 1981 Mar;21(3):413–6

Uterine prostaglandin F2 alpha & E2 production and content during the second half of the oestrous cycle of the sheep - possible local control of the uterus by the ovary. Alwachi SN, et al. **Prostaglandins Med** 1979 Jul;3(1):23–32

Effect of epinephrine on prostaglandin E2 and cyclic AMP levels in gingiva of patients with chronic periodontitis. ElAttar TM, et al. **Prostaglandins Med** 1981 Jun; 6(6):601–12

Relationship between prostaglandins and cyclic-AMP in the process of implantation in rats. Garg SK, et al. **Prostaglandins Med** 1979 Jul;3(1):1–6

Impaired insulin secretion in human diabetes mellitus. II. A possible role for prostaglandins. Giugliano D, et al. **Prostaglandins Med** 1981 Jan;6(1):41–50

Involvement of prostaglandins in the local action of endotoxin. Kahn A, et al. **Prostaglandins Med** 1981 Jan;

6(1):23–8
Relationship between concentration of prostaglandins E and F in the regulation of ovum transport in rabbits. Rajkumar K, et al. **Prostaglandins Med** 1979 Jun;2(6):445–54
Prostaglandins and cancer: further stereochemical studies on the molecule of phospholipase A2. Symthies JR. **Psychoneuroendocrinology** 1980 Dec;5(4):353–8
[Changed equilibrium between the sympathetic-adenyl cyclase-cyclic AMP-PGE system and the cholinergic-guanyl cyclase-cyclic GMP-PGF2 alpha system as a pathogenetic mechanism of bronchial asthma] Accardo G, et al. **G Clin Med** 1980 Jun;61(6):444–8 **(Ita)**
[Inhibitory action of non-steroidal anti-flammatory drugs on prostaglandin synthesis and release (author's transl)] Takeuchi K, et al. **Nippon Yakurigaku Zasshi** 1980 Sep; 76(6):525–31 (Eng. Abstr.) **(Jpn)**
[Prostaglandin-like activity in leukemia] Bodzenta A, et al. **Pol Tyg Lek** 1980 Nov 24;35(47):1809–11 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Prostaglandins E1 and E2 antagonize indomethacin-induced decrease in survival rate of haemorrhagically shocked rats. Perbeck L, et al. **Acta Chir Scand [Suppl]** 1980;Suppl 500:91–4
Prolongation of the effects of gonadotrophins and prostaglandin E2 on ovarian cyclic AMP formation by inhibitors of protein synthesis. Bergh C, et al. **Acta Endocrinol (Copenh)** 1980 Jun;94(2):251–8
Potentiation of prostaglandin E2-induced release of LH by the prostaglandin analogue, 7-oxa-13-prostynoic acid. Warberg J. **Acta Endocrinol (Copenh)** 1981;97(3):297–304
Induction of labor with and without primary amniotomy. A randomized study of prostaglandin E2 tablets and intravenous oxytocin. Secher NJ, et al. **Acta Obstet Gynecol Scand** 1981;60(3):237–41
A comparative study of uterine activity and fetal heart rate pattern in labor induced with oral prostaglandin E2 or oxytocin. Bremme K, et al. **Acta Obstet Gynecol Scand [Suppl]** 1980;92:23–9
Changes in serum hormone levels during labor induced by oral PGE2 or oxytocin infusion. Bremme K, et al. **Acta Obstet Gynecol Scand [Suppl]** 1980;92:31–43
Effect of a 'minimal natriuretic and diuretic' dose of prostaglandin E1 (PGE1) on the intratubular and peritubular pressures in anaesthetized rats. Bencsáth P, et al. **Acta Physiol Acad Sci Hung** 1979;54(3):221–9
Pre- and postjunctional effects of prostaglandin E2, prostaglandin synthetase inhibitors and atropine on cholinergic neurotransmission in guinea pig ileum and bovine iris. Gustafsson L, et al. **Acta Physiol Scand** 1980 Dec;110(4):401–11
The effect of dibutyryl cyclic AMP and PGE2 on lysosomal enzyme release and lactate production in relation to bone resorption in vitro. Lerner U. **Acta Physiol Scand** 1980 Oct; 110(2):123–30
Cyclic AMP in macrophages from experimental granulomas and the effect of prostaglandin E2. Adolfs MJ, et al. **Agents Actions** 1980 Dec;10(6):561–3
Increased vascular permeability in the rabbit iris induced by prostaglandin E1. An electron microscopic study using lanthanum as a tracer in vivo. Pedersen OO. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 212(3–4):199–205
Clinical evidence of prostaglandin E2 antiarrhythmic properties. Mohr DN, et al. **Am Heart J** 1981 July; 102(1):123–4
Adrenal responses to prostaglandin E2 in newborn lambs. Carson GD, et al. **Am J Obstet Gynecol** 1981 Feb 1; 139(3):359–63
Effects and interactions of prostaglandins E1 and E2 on human chorionic plate arteries. Kitson GE, et al. **Am J Obstet Gynecol** 1981 Jul 15;140(6):683–8
Effect of prostaglandin E2 on cervical compliance in pregnant ewes. Stys SJ, et al. **Am J Obstet Gynecol** 1981 Jun 15;140(4):415–9
Modification of Na and Cl transport in canine tracheal mucosa by prostaglandins. Al-Bazzaz F, et al. **Am J Physiol** 1981 Feb;240(2):F101–5
ADH-sensitive cAMP system in papillary collecting duct: effect of osmolality and PGE2. Edwards RM, et al. **Am J Physiol** 1981 Apr;240(4):F311–8
Prostaglandins, catecholamines, and cardiovascular responses to hemorrhage. Feuerstein G, et al. **Am J Physiol** 1981 Mar;240(3):R166–74
Stimulation of HCO3- transport in isolated proximal bullfrog duodenum by prostaglandins. Flemström G. **Am J Physiol** 1980 Sep;239(3):G198–203
Prostaglandin E2 and F2 alpha reduces urea reabsorption from the rat collecting duct. Roman RJ, et al. **Am J Physiol** 1981 Jul;241(1):F53–60
Reduced granulocyte response to isoproterenol, histamine, and prostaglandin E1 after in vitro incubation with Rhinovirus 16. Busse WW, et al. **Am Rev Respir Dis** 1980 Oct;122(4):641–6
Prostaglandin E2 effect on the facility of outflow in the rabbit eye. Moses RA, et al. **Ann Ophthalmol** 1981 Jun;13(6):721–3
Effect of prostaglandin on the composition of chinchilla middle ear effusion. Jung TT, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1980 May-Jun;89(3 Pt 2 Suppl 68):153–60
Potentiation of hormone-stumulated accumulation of cyclic AMP in cultured fibroblasts by trypsin. Anderson WB, et al. **Arch Biochem Biophys** 1981 Apr 1;207(2):465–8
Prostaglandins E1 and E2, but neither prostacyclin nor prostaglandin D2 have anti-aggregating activity in chicken blood. Bult H, et al. **Arch Int Pharmacodyn Ther** 1981 Feb; 249(2):306–8
Effects of prostaglandins E1 and E2 on the mechanical activity of isolated circular and longitudinal muscle strips of guinea-pig stomach. Milenov K, et al. **Arch Int Pharmacodyn Ther** 1980 Oct;247(2):320–8
Role of guanine nucleotides in the stimulation of thyroid adenylate cyclase by prostaglandin E1 and cholera toxin. Friedman Y, et al. **Biochim Biophys Acta** 1981 Feb 18; 673(1):114–23
Prostaglandins do not affect steroidogenesis and are not being produced in response to LH in chicken granulosa cells. Hertelendy F, et al. **Biol Reprod** 1980 Dec;23(5):918–23
Modulation of normal and abnormal myeloid progenitor proliferation by cyclic nucleotides and PGE1. Taetle R, et al. **Blood Cells** 1980;6(4):701–18
Effect of prostaglandin E1 on pulmonary circulation in pulmonary atresia. A quantitative morphometric study. Haworth SG, et al. **Br Heart J** 1980 Mar;43(3):306–14
Systolic time intervals and haemodynamic changes during intravenous infusion of prostaglandins F2 alpha and E2. Thayssen P, et al. **Br Heart J** 1981 Apr;45(4):447–56
Effect of prostaglandins and cyclic nucleotides on growth and immunoglobulin secretion of two IgE myeloma cell lines. Carini C, et al. **Br J Cancer** 1981 Mar;43(3):257–60
Myelofibrosis and prostaglandins: effect of prostaglandin E1 on colony-forming cells (CFU-GM). Aglietta M, et al. **Br J Haematol** 1981 May;48(1):167–9
A comparison of oestradiol and prostaglandin E2 for ripening the cervix. Stewart P, et al. **Br J Obstet Gynaecol** 1981 Mar;88(3):236–9
Mechanism of noradrenaline potentiation by prostaglandin E2 in rat mesenteric artery. Adeagbo AS, et al. **Br J Pharmacol** 1980;71(1):75–81
Inhibition of prostaglandin E1-responsive platelet adenylate cyclase by heparin: a study of the mechanism of inhibition and its relevance to platelet aggregation. Amirrasooli H, et al. **Br J Pharmacol** 1981 Jul;73(3):639–47
The gastric antisecretory actions of prostaglandin E2 and stable prostacyclin analogues against different secretagogues in perfused whole-stomachs of rat or mouse in vitro. Boughton-Smith NK, et al. **Br J Pharmacol** 1981 Feb;72(2):291–8
The effect of prostaglandin E2 microinjected into the rat hypothalamus on urinary excretion of water and sodium. Fujimoto S. **Br J Pharmacol** 1980 Nov;70(3):415–7
The effect of exogenous prostaglandins F2 alpha and E2 and indomethacin on micturition. Khalaf IM, et al. **Br J Urol** 1981 Feb;53(1):21–8
PGE1 and vasospastic disease [letter] Spence V. **Br Med J** 1980 Nov 29;281(6253):1494–5
Comparison of oestradiol and prostaglandin E2 vaginal gel for ripening the unfavourable cervix [letter] **Br Med J [Clin Res]** 1981 Apr 25;282(6273):1394–6
Effect of prostaglandins I2 and E1 on red cell deformability in patients with Raynaud's phenomenon and systemic sclerosis. Dowd PM, et al. **Br Med J [Clin Res]** 1981 Aug 1;283(6287):350
Prostaglandins, clonidine and sexual receptivity in the guinea pig. Irving SM, et al. **Brain Res** 1981 Jan 5;204(1):65–77
Hormonal and nonhormonal desensitization in isolated bone cells. Peck WA, et al. **Calcif Tissue Int** 1980;32(2):95–103
Effect of prostaglandin E1-induced elevation of cyclic AMP on glucose repression in the lactic streptococci. Ratliff TL, et al. **Can J Microbiol** 1980 Jan;26(1):58–63
Cardiac effects of prostaglandins E1 and F1 alpha. Vadlamudi RV, et al. **Can J Physiol Pharmacol** 1981 May; 59(5):473–8
Prostaglandin E-mediated mitogenic stimulation of mouse epidermis in vivo by divalent cation ionophore A 23187 and by tumor promoter 12-O-tetradecanoylphorbol-13-acetate. Marks F, et al. **Cancer Res** 1981 Feb;41(2):696–702
Prostaglandin inhibition of T-cell proliferation is mediated at two levels. Baker PE, et al. **Cell Immunol** 1981 Jun; 61(1):52–61
The induction of nonspecific T suppressor lymphocytes by prostaglandin E1. Fulton AM, et al. **Cell Immunol** 1981 Mar 15;59(1):54–60
Is prostaglandin a mediator for the inhibitory action of histamine, hydrocortisone, and isoproterenol? Staszak C, et al. **Cell Immunol** 1980 Sep 1;54(2):351–61
Dissimilar effects of prostacyclin, prostaglandin E1, and prostaglandin E2 on myocardial infarct size after coronary occlusion in conscious dogs. Jugdutt BI, et al. **Circ Res** 1981 Sep;49(3):685–700
Prostaglandin E1 treatment of NBZ/W F1 hybrids--induction of in vitro and in vivo cell-mediated immune response to DNA. Adelman N, et al. **Clin Immunol Immunopathol** 1980 Nov;17(3):353–62
Lymphocyte adherence in multiple sclerosis. Role of monocytes and increased sensitivity of MS lymphocytes to prostaglandin E. Dore-Duffy P, et al. **Clin Immunol Immunopathol** 1981 Jun;19(3):303–13
Effects of PGE1 in murine models of SLE: changes in circulating immune complexes. Winkelstein A, et al. **Clin Immunol Immunopathol** 1981 Aug;20(2):188–92
Regulation of 25-hydroxy-vitamin D-1 alpha-hydroxylase in chick isolated renal tubules: effects of prostaglandin E2, frusemide and acetylsalicylic acid. Wark JD, et al. **Clin Sci** 1981 Jul;61(1):53–9
Effects of prostaglandins on renin substrate production by the liver. Murakami E, et al. **Clin Sci [Suppl]** 1980 Dec; 59 Suppl 6:137s–139s
Fusion of chick embryo skeletal myoblasts: interactions of prostaglandin E1, adenosine 3':5' monophosphate, and calcium influx. David JD, et al. **Dev Biol** 1981 Mar; 82(2):308–16
Effect of prostaglandin E2 on gastric mucosal bleeding caused by aspirin. Hunt JN, et al. **Dig Dis Sci** 1981 Apr; 26(4):301–5
Comparison of prostacyclin and prostaglandin E2 on gastric secretion, gastrin release, and mucosal blood flow in dogs. Konturek SJ, et al. **Dig Dis Sci** 1980 Sep;25(9):673–9
Regulation of responsiveness of cultured adrenal cells to adrenocorticotropin and prostaglandin E1: cell density, cell division, and inhibitors of protein synthesis. Hornsby PJ, et al. **Endocrinology** 1981 Jan;108(1):183–8
Effects of prostaglandins on sexual receptivity in the female lizard, Anolis carolinensis. Tokarz RR, et al. **Endocrinology** 1981 Aug;109(2):451–7
The effect of SST, glucagon, calcitonin and PGE1 on exocrine pancreatic secretion in the unrestrained dog in long-term experiments. Funovics J, et al. **Eur Surg Res** 1981;13(3):213–26
Inhibition by prostaglandins of electrogenic chloride transport across toad ciliary epithelium. Saito Y, et al. **Exp Eye Res** 1980 Dec;31(6):699–710
Prostaglandin-mediated enhancement of erythroid colonies by marrow stromal cells (MSC). DeGowin RL, et al. **Exp Hematol** 1981 Mar;9(3):274–80
The effect of prostaglandin E1 on hemopoiesis in long-term bone marrow cultures. Motomura S, et al. **Exp Hematol** 1980 Mar;8(3):298–303
Abnormal modulation of granulocyte/macrophage progenitor proliferation by prostaglandin E in chronic myeloproliferative disorders. Taetle R, et al. **Exp Hematol** 1980 Nov;8(10):1190–1201
Abnormal modulation of granulocyte/macrophage progenitor proliferation by prostaglandin E in chronic myeloproliferative disorders. Taetle R, et al. **Exp Hematol** 1980 Nov;8(10):1190–201
Prostaglandin E2 increases mechanically evoked potentials in the peripheral nerve. Pateromichelakis S, et al. **Experientia** 1981 Mar 15;37(3):282–4
Effects of prostaglandin E1 and 45Ca++-incorporation and spike activity in longitudinal smooth muscle of cat jejunum. Radomirov R, et al. **Experientia** 1980 Dec 15;36(12):1411–2
Effect of prostaglandins and dibutyryl cyclic AMP on the morphology of cells in primary astroglial cultures and on metabolic enzymes of GABA and glutamate metabolism. Tardy M, et al. **Experientia** 1981 Jan 15;37(1):19–21
Arguments for an inhibiting role of prostaglandin E1 on insulin secretion in man. Giugliano D, et al. **Farmaco [Sci]** 1979 Feb;34(2):157–64
The effect of prostaglandin E2 on ethionine-induced pancreatitis in the rat. Martin DM, et al. **Gastroenterology** 1981 Oct;81(4):736–41
Differential effects of prostaglandins E1 and E2 on tyrosine hydroxylase activity of the superior cervical ganglion of the cat. Bucciarelli de Simone A, et al. **Gen Pharmacol** 1980;11(6):539–41
Vasotocin, prostaglandin, and female reproductive behavior in the frog, Rana pipiens. Diakow C, et al. **Horm Behav** 1981 Mar;15(1):86–93
Inhibition of thyrotropin releasing hormone--induced growth hormone secretion in domestic fowl by adrenaline and prostaglandin E1 and E2. Scanes CG, et al. **Horm Metab Res** 1980 Nov;12(11):634–5
Effects of prostacyclin (PGI2), 6-oxo-PGF1 alpha and PGE2 on sympathetic nerve function in mesenteric arteries and veins of the rabbit in vitro. Armstrong JM, et al. **Hypertension** 1979 May-Jun;1(3):309–15
Effect of prostaglandins on mouse erythrocyte rosette-forming human lymphocytes. Misefari A, et al. **Immunopharmacology** 1980 Apr;2(2):109–15
Interaction between prostaglandins and human T lymphocytes: effect of PGE2 on E-receptor expression. Venza-Teti D, et al. **Immunopharmacology** 1980 Apr; 2(2):165–71
Effect of prostaglandins & inhibitors of prostaglandin biosynthesis on oviposition in the silkmoth Bombyx mori. Settya BN, et al. **Indian J Exp Biol** 1980 May;18(5):539–41
Effects of prostaglandins on some central pharmacological actions of cannabis. Bhattacharya SK, et al. **Indian J Med Res** 1980 Jun;71:955–60
Effects of prostaglandins F2 alpha and E2 on the contractility of non-pregnant human fallopian tube in vitro. Jiffry MT, et al. **Indian J Physiol Pharmacol** 1980 Jul-Sep;24(3):165–9
Suppression of human lymphocyte migration by PGE2. Van Epps DE. **Inflammation** 1981 Mar;5(1):81–7
PGE1 and hCG responsive adenylyl cyclases in interstitial cells from rat testis: biphasic effects of calcium. Gordeladze JO, et al. **Int J Androl** 1980 Oct;3(5):530–8
Infertility induced by prostaglandins in albino rats by adrenergic block in the vas deferens. Chinoy NJ, et al. **Int J Fertil** 1981;26(1):1–7
A double-blind controlled trial of PGE2 gel in cervical ripening. Hutchon DJ, et al. **Int J Gynaecol Obstet** 1980

May-Jun;17(6):604-7
Enhancement by prostaglandin E1 and essential fatty acid deficiency of the passive transfer of delayed hypersensitivity to PPD in rats. Comparison with effects on delayed hypersensitivity to SRBC in mice. Parnham MJ, et al. **Int J Immunopharmacol** 1979;1(2):119-26
Prostaglandins and excretion of 99mTc-HIDA in the rat. Surveyor I, et al. **Int J Nucl Med Biol** 1980;7(4):299-303
Detrusor dynamics. II. Effect of prostaglandins and their synthesis inhibitor on stress-relaxation time course. Abdel-Rahman M, et al. **Invest Urol** 1981 Jan;18(4):281-4
Prostaglandin E2 gel as a routine method of labour induction. Feeney JG, et al. **Ir Med J** 1981 Mar;74(3):93-4
Adenylate cyclase coupling proteins are not essential for agonist-specific desensitization of lymphoma cells. Green DA, et al. **J Biol Chem** 1981 Mar 10;256(5):2105-8
Cycloheximide potentiation of prostaglandin E1- and cholera toxin-stimulated cyclic AMP accumulation in NG108-CC15 neuroblastoma-glioma hybrid cells. Moylan RD, et al. **J Biol Chem** 1981 Jul 10;256(13):6573-6
Effects of catecholamines and prostaglandin E1 on cyclic AMP, cation fluxes, and protein phosphorylation in the frog erythrocyte. Rudolph SA, et al. **J Biol Chem** 1980 Sep 25;255(18):8534-40
Effects of beta adrenergic agents and prostaglandin E1 on erythroid colony (CFU-E) growth and cyclic AMP formation in Friend erythroleukemic cells. Beckman B, et al. **J Cell Physiol** 1980 Nov;105(2):355-61
Epidermal growth factor initiates DNA synthesis after a time-dependent sequence of regulatory events in Swiss 3T3 cells--interactions with hormones and growth factors. Otto AM, et al. **J Cell Physiol** 1981 Aug;108(2):145-53
Limitation of macrophage production in long-term marrow cultures containing prostaglandin E. Williams N, et al. **J Cell Physiol** 1980 May;103(2):239-46
Decrease in human plasma prolactin levels by oral prostaglandin E2 in early puerperium. Caminiti F, et al. **J Endocrinol** 1980 Dec;87(3):333-7
Selective suppression of retroviral gp70-anti-gp70 immune complex formation by prostaglandin E1 in murine systemic lupus erythematosus. Izui S, et al. **J Exp Med** 1980 Dec 1;152(6):1645-58
Suppression by prostaglandin E1 of vascular permeability induced by vasoactive inflammatory mediators. Fantone JC, et al. **J Immunol** 1980 Dec;125(6):2591-6
Role of prostaglandin E2 in the induction of nonspecific T lymphocyte suppressor activity. Fischer A, et al. **J Immunol** 1981 Apr;126(4):1452-5
Effect of physical stress on sensitivity of lymphocytes to inhibition by prostaglandin E2. Goodwin JS, et al. **J Immunol** 1981 Aug;127(2):518-22
The dual effect of prostaglandin (PGE2) and ethanol on the natural killer cytolytic process: effector activation and NK-cell-target cell conjugate lytic inhibition. Kendall RA, et al. **J Immunol** 1980 Dec;125(6):2770-7
Regulation by PGE2 of the production of oxygen intermediates by LPS-activated macrophages. Metzger Z, et al. **J Immunol** 1981 Sep;127(3):1109-13
Macrophage-mediated tumor cell killing: regulation of expression of cytolytic activity by prostaglandin E. Taffet SM, et al. **J Immunol** 1981 Feb;126(2):424-7
Effect of prostaglandin E1 on the level of cAMP in bone marrow macrophages. Inhibition of phagocytosis and cell shape changes. Oropeza-Rendon RL, et al. **J Immunopharmacol** 1980;2(1):133-47
The effect of prostaglandin E1 or E2 on the in vitro blastogenic response of lymphocytes from normal and tumor-bearing mice. Stylos WA, et al. **J Immunopharmacol** 1979;1(2):195-217
Prostaglandin E and the erythropoietic and stromal insufficiency induced by extramedullary tumor. DeGowin RL, et al. **J Lab Clin Med** 1981 Aug;98(2):217-26
Glucocorticoids alter the sensitivity of the lamb ductus arteriosus to prostaglandin E2. Clyman RI, et al. **J Pediatr** 1981 Jan;98(1):126-8
Interactions between bacterial endotoxin and other stimulators of bone resorption in organ culture. Raisz LG, et al. **J Periodont Res** 1981 Jan;16(1):1-7
Prostacyclin and prostaglandin E2 effects on adrenergic transmission in the kidney of anesthetized dog. Sušić H, et al. **J Pharmacol Exp Ther** 1981 Sep;218(3):588-92
Temperature regulation and prostaglandin E1 fever in scorpions. Cabanac M, et al. **J Physiol (Lond)** 1980 Jun; 303:365-70
Assessment of the luteolytic potency of various prostaglandins in the pseudopregnant rabbit. Kehl SJ, et al. **J Reprod Fertil** 1981 May;62(1):117-22
Effect of prostaglandin E1 and ACTH on proliferation and steroidogenic activity of bovine adreno-cortical cells in primary culture. Duperray A, et al. **J Steroid Biochem** 1980 Nov;13(11):1359-64
The peripheral hemodynamics of exogenously administered prostaglandin E1 during major venous occlusion in the dog. Maixner W, et al. **J Surg Res** 1981 Jun;30(6):563-8
Effects of prostaglandin E1 injections and infusions on canine femoral hemodynamics. Seelig RF, et al. **J Surg Res** 1981 Mar;30(3):293-6
Prostaglandin E2 affects the tumor immune response in prostatic carcinoma. Kaneti J, et al. **J Urol** 1981 Jul; 126(1):65-70
Endocrine responsiveness in human melanocytes and melanoma cells in culture. Fuller BB, et al. **JNCI** 1981 May;66(5):799-802
Effects of prostaglandin I2 and E2 on renal hemodynamics and function and renin release. Imanishi M, et al. **Jpn Circ J** 1980 Nov;44(11):875-82
Prostaglandins and cyclic nucleotides: effects of PGI2 and PGE1 on cardiac hemodynamic and coronary arterial and myocardial cyclic nucleotide levels in dogs. Ito T, et al. **Jpn Circ J** 1980 Sep;44(9):755-61
Effects of prostaglandin E2, I2 and F2 alpha on systemic and renal hemodynamics, renal function and renin secretion in anesthetized dogs. Hashimoto T. **Jpn J Pharmacol** 1980 Apr;30(2):173-86
Prevention of aspirin-induced fall in gastric potential difference with prostaglandins [letter] Cohen MM. **Lancet** 1981 Apr 4;1(8223):785
Biochemical and morphological changes of human cervix after local application of prostaglandin E2 in pregnancy [letter] Uldbjerg N, et al. **Lancet** 1981 Jan 31;1(8214):267-8
Absence of prostaglandin stimulated increase in acute phase proteins in systemic sclerosis [letter] Whicher JT, et al. **Lancet** 1980 Nov 29;2(8205):1187-8
Prostaglandin E1-mediated augmentation of human granulocyte-macrophage progenitor cell growth in vitro. Verma DS, et al. **Leuk Res** 1981;5(1):65-71
Changes in prostaglandin E1 stimulation of glucose oxidation in rat adipocytes during maturation and aging. Chang WC, et al. **Life Sci** 1981 Feb 9;28(6):623-7
Prostaglandins do not modulate the positive chronotropic and inotropic effects of sympathetic nerve stimulation and injected norepinephrine in the isolated blood perfused canine atrium. Chiba S, et al. **Life Sci** 1981 Feb 9; 28(6):687-95
Alpha 2 adrenergic amines, adenosine and prostaglandins inhibit lipolysis and cyclic AMP accumulation in hamster adipocytes in the absence of extracellular sodium. Garcia-Sainz JA, et al. **Life Sci** 1981 Jan 26;28(4):401-6
Effect of prostaglandin E2 upon release of pancreatic somatostatin-like immunoreactivity. Schusdziarra V, et al. **Life Sci** 1981 May 11;28(19):2099-102
Effect of prolactin and prostaglandins on the stimulation of prolactin binding sites in the male rat liver. Barkey RJ, et al. **Mol Cell Endocrinol** 1981 Feb;21(2):129-38
Regulation of hormone(PTH and PGE1)-stimulated adenylate cyclase by renal cytosolic factors. Liang CT, et al. **Mol Cell Endocrinol** 1981 Mar;21(3):221-31
Modulation of cyclic AMP content of the rat myometrium: desensitization to isoproterenol, PGE2 and prostacyclin. Tougui Z, et al. **Mol Cell Endocrinol** 1980 Oct;20(1):17-34
Role of PGE2 in anion exchange in gastric mucosa [letter] Durbin RP. **Nature** 1980 Dec 25;288(5792):740
Inhibition of ACH release by prostaglandin E1 in the rabbit superior cervical ganglion. Dun NJ. **Neuropharmacology** 1980 Nov;19(11):1137-40
Effects of prostaglandins on tumor transplantation. Lupulescu A. **Oncology** 1980;37(6):418-23
Effect of prostaglandin E1 and its biosynthesis inhibitor indomethacin on drinking in the rat. Pérez Guaita MF, et al. **Pharmacol Biochem Behav** 1980 Dec;13(6):787-92
Two growth factors and two hormones regulate initiation of DNA synthesis in cultured mouse cells through different pathways of events. Jimenez de Asua L, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):1004-8
Effects of 6-keto-prostaglandin E1 on perinatal pulmonary vascular resistance. Tod ML, et al. **Proc Soc Exp Biol Med** 1981 Jan;166(1):148-52
Cardiovascular responses to 6-keto-prostaglandin E1 in the dogs. Van Dam J, et al. **Proc Soc Exp Biol Med** 1981 Jan; 166(1):76-9
PGE2 effects on vagally induced gastric contractions in the cat. Baker SA. **Proc West Pharmacol Soc** 1981;24:375-9
The effect of prostaglandins A2,E1,E2,15 methyl E2, 16, 16 dimethyl E2 and F2 alpha on erythropoiesis. Arce JM, et al. **Prostaglandins** 1981 Mar;21(3):367-77
Central and peripheral circulatory effects and metabolic effects of different prostaglandins given I.V. to man. Eklund B, et al. **Prostaglandins** 1980 Aug;20(2):333-47
Stimulatory effect of prostaglandin E1 on thyroliberin-induced alpha-melanotropin release from perifused neuro-intermediate lobes of frog pituitary gland. Leroux P, et al. **Prostaglandins** 1981 Apr;21(4):599-608
The effects of prostaglandins on aqueous humor dynamics. Macri FJ, et al. **Prostaglandins** 1980 Aug;20(2):179-86
Effect of prostaglandins on ornithine decarboxylase activity in the testis of immature rat. Madhubala R, et al. **Prostaglandins** 1980 Sep;20(3):503-13
Does PGE1 induce modifications at the membrane level of bone marrow macrophages? A fluorescence study. Oropeza-Rendon RL, et al. **Prostaglandins** 1980 Nov; 20(5):909-22
Prostaglandin E1 effects on resting and cholinergically stimulated lower esophageal sphincter pressure in cats. Sinar DR, et al. **Prostaglandins** 1981 Apr;21(4):581-90
Effects of prostaglandins on peripheral progesterone and uterine diamine oxidase in the pregnant hamster. Spilman CH, et al. **Prostaglandins** 1980 Dec;20(6):1061-74
Inotropic effect of PGE1 and PGE2 on isolated rat atria. Influence of adrenergic mechanisms. Sterin-Borda L, et al. **Prostaglandins** 1980 Nov;20(5):825-36
Differential effects of prostaglandins and arachidonic acid on gastric circulation and oxygen consumption. Walus KM, et al. **Prostaglandins** 1980 Dec;20(6):1089-102
The bronchodilator activity of 20-isopropylidene prostaglandin E2 (CS-412). Yamaguchi T, et al. **Prostaglandins** 1980 Sep;20(3):521-32
Effects of prostacyclin and prostaglandin E1 on cyclic AMP metabolism and calcium efflux in isolated renal cortical tubules. Biddulph DM, et al. **Prostaglandins Med** 1980 Nov; 5(5):391-403
An invitro study on the effect of prostaglandin E2 and F2 alpha on E-rosette forming activity of normal lymphocytes. Erten U, et al. **Prostaglandins Med** 1980 Oct;5(4):255-8
Regulation of cyclic AMP levels in human lymphocytes and lymphoblasts by prostaglandins. Fadda S, et al. **Prostaglandins Med** 1980 Dec;5(6):477-86
Development of the chick embryo following PGE1 treatment. Gilani SH, et al. **Prostaglandins Med** 1981 Jun; 6(6):621-6
Synergic effect of insulin and prostaglandin E1 on stimulated lipolysis. Lambert B, et al. **Prostaglandins Med** 1980 Nov; 5(5):375-82
Comparative effects of PGD2 and PGE2 on vasoconstrictor responses in the feline intestinal vascular bed. Lippton HL, et al. **Prostaglandins Med** 1980 Oct;5(4):297-305
Comparative effects of PGD2 and PGE2 in the regional circulation of the cat. Lippton HL, et al. **Prostaglandins Med** 1980 Nov;5(5):365-73
Lack of effect of prostaglandins on rat heart myofibrillar ATPase activity. Pierce GN, et al. **Prostaglandins Med** 1981 Jun;6(6):633-9
Angina-like pain: an unexpected side-effect following the simultaneous administration of angiotensin II and prostaglandin E2 in normal adults. Pipkin FB, et al. **Prostaglandins Med** 1981 Jan;6(1):9-11
The possible mode of action of prostaglandins: XVI. A study to assess the local effect of prostaglandins E1, E2 or F2 alpha in the regulation of male fertility. Rej SK, et al. **Prostaglandins Med** 1980 Jun;4(6):465-70
Inhibition of serum oxytocinase activity by prostaglandins. Roy AC, et al. **Prostaglandins Med** 1981 Jun;6(6):577-87
Effect of prostaglandin E1, E2 or indomethacin on serum parathyroid hormone and calcitonin in the rat. Shemerdiak WP, et al. **Prostaglandins Med** 1981 Jun;6(6):641-5
A comparison of the effects of prostaglandins E2 and I2 on renal function and renin release in salt-loaded and salt-depleted anaesthetized dogs. Jones RL, et al. **Q J Exp Physiol** 1981 Jan;66(1):1-15
The effect of prostaglandins on isolated rat gastric cells. Müller-Lissner SA, et al. **Scand J Gastroenterol [Suppl]** 1981;67:229-32
Hemodynamic side effects of prostaglandin E1 in patients before and during cardiopulmonary bypass. Karliczek G, et al. **Thorac Cardiovasc Surg** 1981 Feb;29(1):55-9
The antagonism of prostaglandins I2, E1 and D2 by prostaglandin E2 in human platelets. Bonne C, et al. **Thromb Res** 1981 Jan 1-15;21(1-2):13-22
Hypothetic mechanism of ticlopidine-induced hypersensitivity to PGE1 in rat platelets. Bonne C, et al. **Thromb Res** 1981 Jan 1-15;21(1-2):157-64
Effect of OP 1206, a prostaglandin E1 derivative, on guinea-pig platelet functions. Tsuboi T, et al. **Thromb Res** 1980 Dec 1-15;20(5-6):573-80
Leukocyte response to mechanical trauma - antiplatelet drug effects. McIntire LV, et al. **Trans Am Soc Artif Intern Organs** 1980;26:289-93
Platelet preservation during cardiopulmonary bypass (CPB) with prostaglandin (PGE1) and prostacyclin (PGI2). van den Dungen JJ, et al. **Trans Am Soc Artif Intern Organs** 1980;26:481-6
The direct influence of stallion semen on progesterone production in cultured corpus luteum cells. Gregoraszczuk E, et al. **Zentralbl Veterinaermed [A]** 1980;27(9-10):788-95
[The action of prostaglandin E2 (PGE2) upon the placental blood-vessels in vitro (author's transl)] Jungmannová C, et al. **Cesk Gynekol** 1980 Jul;45(6):309-3 (Eng. Abstr.) **(Cze)**
[The effect of prostaglandins E1 and F1 alpha and indomethacin on haemodynamic and renal endocrine and exocrine function (author's transl)] Lefkos N, et al. **J Pharmacol** 1981 Apr-Jun;12(2):207-10 (Eng. Abstr.) **(Fre)**
[Behaviour of glycemia in rats inoculated with prostaglandin (author's transl)] Cicchini T, et al. **Ann Sclavo** 1980 Mar-Apr;22(2):157-64 (Eng. Abstr.) **(Ita)**
[Production of corticosterone in vitro: role of PGE2] Frisina N, et al. **Boll Soc Ital Biol Sper** 1980 Jul 15;56(13):1380-4 (Eng. Abstr.) **(Ita)**
[Effect of natural and synthetic PG on movement and phagocytosis of human leukocytes] Vicenzi E, et al. **Boll Soc Ital Biol Sper** 1980 Jun 15;56(11):1137-43 (Eng. Abstr.) **(Ita)**
[Platelet aggregation during intravenous infusion of PGE1 in man] Ranieri MG, et al. **G Clin Med** 1980 Jan;61(1):44-50 (Eng. Abstr.) **(Ita)**
[Prostaglandin, bone absorption and hypercalcemia] Kato Y. **Kokubyo Gakkai Zasshi** 1980 Dec;47(4):546 **(Jpn)**
[Effects of prostaglandin on the blood-ocular barriers. II. Effects on the blood-retinal barrier (author's transl)] Masunaga J. **Nippon Ganka Gakkai Zasshi** 1980 Oct 10; 84(10):1746-58 (Eng. Abstr.) **(Jpn)**
[Effect of prostaglandin E1 on gastric mucin secretin and acute mucosal lesions in rat (author's transl)] Imamura H, et al. **Nippon Shokakibyo Gakkai Zasshi** 1980 Nov; 77(11):1717-24 (Eng. Abstr.) **(Jpn)**
[Hemodynamic characteristics of polypeptide substance P

compared to bradykinin and prostaglandin E1] Chernukh AM, et al. **Biull Eksp Biol Med** 1980 Sep;90(9):259–60 (Eng. Abstr.) **(Rus)**

[Cell membrane mechanism of action of prostaglandins E1 and F2 alpha on thrombocyte function] Gabrielian ES, et al. **Biull Eksp Biol Med** 1981 May;91(5):515–7 (Eng. Abstr.) **(Rus)**

[Influence of dicinone and taurine on the effects of prostaglandins] Bunin AIa, et al. **Farmakol Toksikol** 1980 May–Jun;43(3):356–8 (Eng. Abstr.) **(Rus)**

[Effect of prostacyclin and prostaglandins E2 and F2 alpha on the vascular tone and reactivity of the kidneys and extremities] Markov KhM, et al. **Kardiologiia** 1981 Mar; 21(3):75–9 (Eng. Abstr.) **(Rus)**

[Effect of hypotensive agents on prostaglandin–induced ocular hypertension] Ermakova VN. **Vestn Oftalmol** 1981 Jan–Feb;(1):11–2 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Endotoxin fever in the newborn kitten. The role of prostaglandins and monoamines. Székely M. **Acta Physiol Acad Sci Hung** 1979;54(3):265–76

The role of the prostaglandin system in the regulation of renal function in normal women. Güllner HG, et al. **Am J Med** 1980 Nov;69(5):718–24

Interaction of the prostaglandin and renin–angiotensin systems in isolated rat glomeruli. Beierwaltes WH, et al. **Am J Physiol** 1980 Dec;239(6):F602–8

Prostaglandin synthesis inhibitors reverse alpha–adrenergic inhibition of acute insulin response to glucose. Metz SA, et al. **Am J Physiol** 1980 Dec;239(6):E490–500

Does endogenous prostaglandin affect gastric antral motility? Sanders KM, et al. **Am J Physiol** 1981 Aug;241(2):G191–5

Prostaglandins, platelets, and schizophrenia. Rotrosen J, et al. **Arch Gen Psychiatry** 1980 Sep;37(9):1047–54

Regulation of noradrenaline overflow in rat cerebral cortex by prostaglandin E2. Hillier K, et al. **Br J Pharmacol** 1980 Nov;70(3):469–73

Action of prostaglandin E1 and F2 alpha on the pinocytic activity of horseradish peroxidase in bone–marrow derived macrophages. Oropeza–Rendon RL, et al. **Eur J Cell Biol** 1980 Oct;22(2):761–5

Prostaglandin E2–mediated secretory diarrhea in villous adenoma of rectum: effect of treatment with indomethacin. Steven K, et al. **Gastroenterology** 1981 Jun;80(6):1562–6

Studies on the pathophysiological role of thyroidal prostaglandin E (PGE) in Graves' disease. Yamamoto M, et al. **Horm Metab Res** 1980;12(6):256–60

The role of endogenous prostaglandin E in angiotensin–II–induced drinking in rats. Kenney NJ, et al. **J Comp Physiol Psychol** 1981 Jun;95(3):383–90

Prostaglandin as a mediator of bone resorption induced by experimental tooth movement in rats. Yamasaki K, et al. **J Dent Res** 1980 Oct;59(10):1635–42

Prostaglandins and follicular functions. Armstrong DT. **J Reprod Fertil** 1981 May;62(1):283–91

Opiate receptor–mediated inhibition of rat jejunal fluid secretion. Lee MK, et al. **Life Sci** 1980 Dec 15; 27(24):2319–25

Do endogenous prostaglandins modulate noradrenergic transmission in the rat isolated perfused vas deferens? Tomlinson DR. **Med Biol** 1980 Apr;58(2):82–6

A new concept of lifestyle–related cardiovascular disease: the importance of interactions between cholesterol, essential fatty acids, prostaglandin E1 and thromboxane A2. Horrobin DF. **Med Hypotheses** 1980 Aug;6(8):785–800

E–type prostaglandins and interferons: yin–yang modulation of macrophage tumoricidal activity. Schultz RM. **Med Hypotheses** 1980 Aug;6(8):831–43

[Prostaglandins: their effect on cerebral blood vessels and role in the pathogenesis of migraine] Bogucki A. **Neurol Neurochir Pol** 1981 Mar–Apr;15(2):213–8 (32 ref.) **(Pol)**

SECRETION

Release of PGE and PGI2 in the pump–perfused dog kidney and associated hypotension. Wong PC, et al. **Am J Physiol** 1981 Jun;240(6):F545–50

Leukotriene C stimulates prostaglandin release from rat peritoneal macrophages. Feuerstein N, et al. **Biochem Biophys Res Commun** 1981 Jun 16;100(3):1085–90

Release of prostaglandin E from the isolated urinary bladder of the guinea–pig. Alkondon M, et al. **Br J Pharmacol** 1980 Aug;69(4):573–7

Arachidonic acid and prostaglandin E2 release and enhanced cell proliferation induced by the phorbol ester TPA in a murine epidermal cell line. Fürstenberger G, et al. **Cancer Lett** 1981 Jan;11(3):191–8

Insulin, prostaglandin E2 and glucagon release by human tissue incubated in vitro. Influence of indomethacin. Luyckx AS, et al. **Diabete Metab** 1981 Mar;7(1):13–7

Rectal mucosal prostaglandin E2 release and its relation to disease activity, electrical potential difference, and treatment in ulcerative colitis. Rampton DS, et al. **Gut** 1980 Jul;21(7):591–6

Does the local myocardial release of prostaglandin E2 or F2alpha contribute to the early consequences of acute myocardial ischaemia? Coker SJ, et al. **J Mol Cell Cardiol** 1981 Apr;13(4):425–34

Inhibition of antigen–induced release of prostaglandin–like material from guinea–pig trachea by antihistamines FPL55712 and atropine. Burka JF, et al. **J Pharm Pharmacol** 1980 Dec;32(12):869–70

Mechanism of captopril–induced renal vasodilatation in anesthetized dogs after nonhypotensive hemorrhage. Wong PC, et al. **J Pharmacol Exp Ther** 1980 Oct;215(1):104–9

Effects of hCG on prostaglandin synthesis and function of corpus luteum. Balmaceda JP, et al. **Obstet Gynecol** 1981 Apr;57(4):505–8

The effect of estradiol on isolated rat uterine motility and on prostaglandin generation. Sterin–Speziale N, et al. **Prostaglandins** 1980 Aug;20(2):233–43

Prostaglandins in human duodenal secretions. Casey CE, et al. **Prostaglandins Med** 1980 Jun;4(6):449–51

The effect of sulphasalazine withdrawal on rectal mucosal function and prostaglandin E2 release in inactive ulcerative colitis. Rampton DS, et al. **Scand J Gastroenterol** 1981; 16(1):157–9

THERAPEUTIC USE

Prostaglandin E1 treatment of leg ulcers caused by venous or arterial incompetence. Beitner H, et al. **Acta Derm Venereol (Stockh)** 1980;60(5):425–30

Stimulation of labor in cases of premature rupture of the membranes at or near term. A consecutive randomized study of prostaglandin E2–tablets and intravenous oxytocin. Lange AP, et al. **Acta Obstet Gynecol Scand** 1981; 60(2):207–10

Induction of labor by oxytocin or prostaglandin E2. Bremme K, et al. **Acta Obstet Gynecol Scand [Suppl]** 1980;92:11–21

Effect of prostaglandin E1 and steroid combination in the treatment of hemorrhagic shock. Slotman GJ, et al. **Adv Shock Res** 1978;1:71–81

Pharmacologic use of prostaglandin E1 in infant with congenital heart disease. Heymann MA. **Am Heart J** 1981 Jun;101(6):837–43

Management of aortic arch interruption with prostaglandin E1 infusion and microporous expanded polytetrafluoroethylene grafts. Zahka KG, et al. **Am J Cardiol** 1980 Dec 1;46(6):1001–5

Prostaglandin E1 infusions for vascular insufficiency in progressive systemic sclerosis. Martin MF, et al. **Ann Rheum Dis** 1981 Aug;40(4):350–4

Antiviral and interferon–inducing properties of interferon inducers administered with prostaglandins. Stringfellow DA. **Antimicrob Agents Chemother** 1980 Mar;17(3):455–60

Pulmonary arterial structure in pulmonary atresia after prostaglandin E2 administration. Haworth SG, et al. **Br Heart J** 1981 Mar;45(3):311–6

The use of prostaglandins as local antithrombotic agents in microvascular surgery. Leung PC, et al. **Br J Plast Surg** 1981 Jan;34(1):38–40

The value of intravesical prostaglandin E2 and F2 alpha in women with abnormalities of bladder emptying. Delaere KP, et al. **Br J Urol** 1981 Aug;53(4):306–9

Clinical experience with intravesical prostaglandin E2. A prospective study of 36 patients. Desmond AD, et al. **Br J Urol** 1980 Oct;52(5):357–66

Treatment of vasospastic disease with prostaglandin E1. Clifford PC, et al. **Br Med J** 1980 Oct 18;281(6247):1031–4

Treatment of vasospastic disease with prostaglandin E1 [letter] Cleophas AJ, et al. **Br Med J [Clin Res]** 1981 May 2;282(6274):1476

Comparative study of oestradiol and prostaglandin E2 vaginal gel for ripening the unfavourable cervix before induction of labour. Tromans PM, et al. **Br Med J [Clin Res]** 1981 Feb 28;282(6265):679–81

Oral prostaglandin E2 in ductus–dependent pulmonary circulation. Silove ED, et al. **Circulation** 1981 Mar; 63(3):682–8

The effects of PGE1 on lymphocytes in NZB/W mice. Winkelstein A, et al. **Clin Immunol Immunopathol** 1980 Oct; 17(2):212–18

Vaginal prostaglandin E2 gel and breech presentation. O'Herlihy C. **Eur J Obstet Gynaecol Reprod Biol** 1981 Apr; 11(5):299–303

Effects of cimetidine, atropine and prostaglandin E2 on rat mucosal erosions produced by intragastric distension. Marti–Bonmati E, et al. **Eur J Pharmacol** 1980 Nov 7; 68(1):49–53

Gastric cytoprotection by epidermal growth factor. Role of endogenous prostaglandins and DNA synthesis. Konturek SJ, et al. **Gastroenterology** 1981 Sep;81(3):438–43

Prevention of aspirin–induced faecal blood loss by prostaglandin E2. Cohen MM, et al. **Gut** 1980 Jul; 21(7):602–6

Prostaglandin E1 as an adjunct to emergency cardiac operation in neonates. Donahoo JS, et al. **J Thorac Cardiovasc Surg** 1981 Feb;81(2):227–31

Prostaglandin E1 infusion: successful initial treatment. Linday L, et al. **NY State J Med** 1981 Feb;81(2):218–21

Inhibition of lactation by prostaglandin E2. Nasi A, et al. **Obstet Gynecol Surv** 1980 Oct;35(10):619–20

Severe hypertension in patients with high spinal cord lesions undergoing electro–ejaculation—management with prostaglandin E2. Frankel HL, et al. **Paraplegia** 1980 Oct; 18(5):293–9

Prostaglandin treatment of newborns with ductal–dependent congenital heart disease. Linday LA, et al. **Pediatr Ann** 1981 Apr;10(4):29–38

Prostaglandins for the management of anencephalic pregnancy. Thiery M, et al. **Prostaglandins** 1981 Feb; 21(2):207–15

Effect of prostaglandin E2, cimetidine, and atropine on ethanol–induced gastric mucosal damage in the rat. Puurunen J. **Scand J Gastroenterol** 1980;15(4):485–8

Effect of prostaglandin E2 and 15(R)15 methyl PGE2 on duodenal ulcer. Chen FW, et al. **Singapore Med J** 1980 Jun;21(3):596–8

Treatment of pulmonary embolism with positive end–expiratory pressure and prostaglandin E1. Utsunomiya T, et al. **Surg Gynecol Obstet** 1981 Aug;153(2):161–8

[Therapy of postoperative urinary retention with prostaglandin (author's transl)] Grünberger W, et al. **Geburtshilfe Frauenheilkd** 1981 Jan;41(1):20–2 (Eng. Abstr.) **(Ger)**

[Therapy of postoperative urinary retention] Grünberger W, et al. **Gynaekol Rundsch** 1980 Jun;20 Suppl 2:203–7 **(Ger)**

[Prolonged prostaglandin E–1 therapy of newborn infants with congenital heart defects] Kertész E, et al. **Orv Hetil** 1980 May 18;121(20):1197–9 **(Hun)**

TOXICITY

[Effect of prostaglandin E2 on fetal development (experimental data)] Sheveleva GA, et al. **Akush Ginekol (Mosk)** 1980 Aug;(8):53–5 **(Rus)**

URINE

Effects of indomethacin on plasma renin activity in the conscious rat. Suzuki S, et al. **Am J Physiol** 1981 Mar; 240(3):E286–9

Prostaglandin E production and hypercalcaemia in rats bearing the Walker carcinosarcoma. Seyberth HW, et al. **Br J Cancer** 1980 Sep;42(3):455–61

Radioimmunoassay for urinary prostaglandins E and F alpha: normal values in different age groups. Benzoni D, et al. **Clin Chim Acta** 1981 Mar 19;111(1):9–16

Urinary prostaglandin–E2 in chronic renal disease. Blum M, et al. **Clin Nephrol** 1981 Feb;15(2):87–9

Interaction of conventional and antikaliuretic diuretics with the renal prostaglandin system. Kramer HJ, et al. **Clin Sci** 1980 Jul;59(1):67–70

Effect of chronic and acute changes in sodium balance on the urinary excretion of prostaglandins E2 and F2 alpha in normal man. Rathaus M, et al. **Clin Sci** 1981 Apr; 60(4):405–10

Human benign prostatic hypertrophy: role of prostaglandin E2 and its relationships to bromocriptine therapy. Rolland PH, et al. **Eur Urol** 1981;7(1):41–5

Inactive renin and prostaglandin E2 production in hyporeninemic hypoaldosteronism. Tan SY, et al. **J Clin Endocrinol Metab** 1980 Oct;51(4):849–53

Dual effects of antidiuretic hormone on urinary prostaglandin E2 excretion in man. Zipser RD, et al. **J Clin Endocrinol Metab** 1981 Sep;53(3):522–6

Renal prostaglandin E2 in nephrogenic diabetes insipidus: effects of inhibition of prostaglandin synthesis by indomethacin. Usberti M, et al. **J Pediatr** 1980 Sep; 97(3):476–8

Effect of the converting enzyme inhibitor SQ–20881 on urinary excretion of prostaglandin E2 in the rat: influence of pretreatment with deoxycorticosterone. Barr JG, et al. **J Pharmacol Exp Ther** 1980 Oct;215(1):172–5

Urinary prostaglandin E2 in acute bacterial cystitis. Farkas A, et al. **J Urol** 1980 Oct;124(4):455–7

Dissociation between renal medullary PGE2–synthesis and urine PGE2–excretion. Antagonism by bumetanide of chlorazanil induced urine PGE2–excretion in rats. Olsen UB. **Prostaglandins** 1981 Apr;21(4):591–7

Studies of the renal vasoactive systems in hyporeninemic hypoaldosteronism. Hahn JA, et al. **Prostaglandins Med** 1981 Jun;6(6):549–56

Urinary prostaglandins E2 and F2 alpha in healthy newborns, infants, children, and adults. Ignatowska–Switalska H, et al. **Prostaglandins Med** 1980 Oct;5(4):289–96

Urinary prostaglandins in kidney disease. Papanicolaou N, et al. **Prostaglandins Med** 1979 Jul;3(1):47–51

Is low urinary prostaglandin concentration a stage in the development of essential hypertension? Papanicolaou N, et al. **Prostaglandins Med** 1979 Jul;3(1):53–67

Renal infection with hypercalcemia and increased prostaglandin excretion. Hsieh BS, et al. **Taiwan I Hsueh Hui Tsa Chih** 1980 Dec;79(12):1071–6

[Role of PGE2 prostaglandins in the functional renal insufficiency in cirrhosis (letter)] Roche J, et al. **Nouv Presse Med** 1980 Sep 13;9(32):2259–60 **(Fre)**

[Urinary prostaglandin E in patients with hypertension—relationship to renin–angiotensin–aldosterone system (author's transl)] Chiba S, et al. **Nippon Jinzo Gakkai Shi** 1980 Jun; 22(6):739–51 (Eng. Abstr.) **(Jpn)**

PROSTAGLANDINS E, SYNTHETIC

ADMINISTRATION & DOSAGE

Mid–trimester abortion by vaginal administration of 9–deoxo–16, 16–dimethyl–9–methylene–PGE2. Bygdeman M, et al. **Contraception** 1980 Aug;22(2):153–64

Cytoprotective effect of 16, 16' dimethyl prostaglandin E2 and some drugs on an acute galactosamine induced liver damage in rat. Stachura J, et al. **Folia Histochem Cytochem (Krakow)** 1980;18(4):311–7

Effect of oral and intravenous 16,16-dimethyl prostaglandin E2 in duodenal ulcer and Zollinger-Ellison syndrome patients. Ippoliti AF, et al. **Gastroenterology** 1981 Jan; 80(1):55-9

Induction of abortion with sulprostone, a uteroselective prostaglandin E2 derivative: intramuscular route of application. Schmidt-Gollwitzer K, et al. **Int J Fertil** 1981; 26(2):86-93

Hemodynamic effects of pulmonary arterial infusion of vasodilators in newborn lambs. Tripp ME, et al. **Pediatr Res** 1980 Dec;14(12):1311-5

Topical 16,16-dimethyl PGE2 prevents alcohol-induced damage in canine gastric mucosa. Miller TA, et al. **Surgery** 1981 Apr;89(4):494-9

[Comparison of two intramuscular prostaglandin analogs for inducing abortion in the first pregnancy trimester] Schüssler B, et al. **Gynaekol Rundsch** 1980;20(2):102-9 **(Ger)**

[Pharmacological induction of labor with oral tablets of PGE2] Paladini A, et al. **Minerva Ginecol** 1981 Feb-Mar; 33(2-3):157-64 (Eng. Abstr.) **(Ita)**

[Clinical evaluation of oral administration of prostaglandin E2 for labor induction] Sternadel Z, et al. **Ginekol Pol** 1980 Jul;51(7):659-66 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

[Influence of prostaglandins (PGE), on the intestinal wall of rats (author's transl)] Cicchini T, et al. **Ann Sclavo** 1980 Sep-Oct;22(5):741-7 **(Ita)**

ANALYSIS

Microcolumn chromatographic cleanup and GLC determination of 11-methyl-16,16-dimethylprostaglandin E2 in polyethylene glycol 400 solutions. Quadrel RF, et al. **J Pharm Sci** 1980 Jun;69(6):718-20

BLOOD

Quantitative determination of 9-deoxo-16, 16-dimethyl-9-methylene-PGE2 in human plasma by GC-MS, RIA and HPLC. Gréen K, et al. **Prostaglandins** 1980 Oct;20(4):767-80

Plasma concentrations of 9-deoxo-16-dimethyl-9-methylene-PGE2 in rhesus monkeys after administration by various routes. Kimball FA, et al. **Prostaglandins** 1980 Sep;20(3):559-69

Biological action and half life in plasma or intramuscular sulprostone for termination of second trimester pregnancy. Briel RC, et al. **Prostaglandins Med** 1981 Jan;6(1):1-8

CHEMICAL SYNTHESIS

Studies on prostaglandins. VI. Synthesis of 16(S)-methyl-20-methoxy-PGE2 (YPG-209) having oral bronchodilator activity and its analogs. Iwamoto H, et al. **Chem Pharm Bull (Tokyo)** 1980 May;28(5):1422-31

METABOLISM

Accumulation of adenosine 3',5'-monophosphate induced by prostaglandin E1 binding to mastocytoma P-815 cells. Yatsunami K, et al. **Biochem Pharmacol** 1981 Jun 1; 30(11):1325-32

PHARMACODYNAMICS

Effect of 16, 16 dimethyl prostaglandin E2 on aspirin-induced permeability changes in the pancreatic duct. Tweedie JH, et al. **Am J Surg** 1981 Jan;141(1):22-7

Interaction of interferon, macrophage, and lymphocyte tumoricidal activity with prostaglandin effect. Chirigos MA, et al. **Ann NY Acad Sci** 1980;350:91-101

The influence of prostaglandins on non-specifically stimulated human lymphocytes. Gieldanowski J. **Arch Immunol Ther Exp (Warsz)** 1980;28(3):459-63

Inhibition of hypersensitivity reactions by 16(S)-methyl-20-methoxy-PGE2 (YPG-209) in animals. Tomioka K, et al. **Arch Int Pharmacodyn Ther** 1980 Mar; 244(1):157-65

Pharmacological evaluation of OP 1206, a prostaglandin E1 derivative, as an antianginal agent. Tsuboi T, et al. **Arch Int Pharmacodyn Ther** 1980 Sep;247(1):89-102

In vitro effect of prostaglandins on corticosterone and aldosterone production by frog interrenal gland. Delarue C, et al. **Biochem Biophys Res Commun** 1981 May 29; 100(2):769-77

Effects of d- and l-propranolol on the responsiveness of human fibroblasts to choleragen and prostaglandin E1. Moss J, et al. **Biochem Pharmacol** 1981 Jun 1;30(11):1263-9

A synthetic analog of prostaglandin E2 is able to induce in vivo theta antigen on spleen cells of adult thymectomized mice. Garaci E, et al. **Cell Immunol** 1981 Jul 15;62(1):8-14

Studies on the cyclic AMP response to prostaglandin in human lymphocytes. Goodwin JS, et al. **Cell Immunol** 1981 May 15;60(2):298-307

Response to and production of prostaglandin by murine thymus, spleen, bone marrow, and lymph node cells. Tomar RH, et al. **Cell Immunol** 1981 May 15;60(2):335-46

A comparison of two stable prostaglandin E analogues for termination of early pregnancy and for cervical dilatation. Bygdeman M, et al. **Contraception** 1980 Nov;22(5):471-83

Effect of prostaglandin on ion transport across isolated colonic mucosa. Racusen LC, et al. **Dig Dis Sci** 1980 Dec; 25(12):900-4

Gastric gel mucus thickness: effect of distention, 16,16-dimethyl prostaglandin e2, and carbenoxolone. Bickel M, et al. **Gastroenterology** 1981 Apr;80(4):770-5

Hepatocytoprotective substances. Burk RF. **Gastroenterology** 1981 Aug;81(2):397-8

Prostaglandin protection of carbon tetrachloride-induced liver cell necrosis in the rat. Stachura J, et al. **Gastroenterology** 1981 Aug;81(2):211-7

HCG, progesterone and 17-beta-estradiol levels during extra-amniotically induced early abortion by a new prostaglandin derivative (Sulprostone). Nilsson S, et al. **Gynecol Obstet Invest** 1981;12(4):203-10

Prostaglandins and excretion of 99mTc-HIDA in the rat. Surveyor I, et al. **Int J Nucl Med Biol** 1980;7(4):299-303

The effect of 16,16-dimethyl prostaglandin E2 on autogenous flap survival in the rat. Barton RM, et al. **J Surg Res** 1981 May;30(5):530-3

Prevention of aspirin-induced drop in gastric potential difference with 16, 16-dimethyl-prostaglandin E2 [letter] Müller P, et al. **Lancet** 1981 Feb 7;1(8215):333-4

Aspirin, gastric potential difference, and cytoprotective prostaglandins [letter] Müller P, et al. **Lancet** 1981 May 2;1(8227):1002

Inhibition of 15-hydroxyprostaglandin dehydrogenase by 9,11-deoxyprostaglandins in vitro and in vivo. Yamazaki M, et al. **Mol Pharmacol** 1981 May;19(3):456-62

The effect of prostaglandins A2,E1,E2,15 methyl E2, 16, 16 dimethyl E2 and F2 alpha on erythropoiesis. Arce JM, et al. **Prostaglandins** 1981 Mar;21(3):367-77

Bronchodilator activity of a PGE2 analog in animals and in man. Birnbaum JE, et al. **Prostaglandins** 1981 Mar; 21(3):457-69

Structure activity studies leading to a tissue-selective hypotensive prostaglandin analog, 13,14-dihydro-16-phenyl-omega-tetranor PGE2. Johnson MR, et al. **Prostaglandins** 1980 Sep;20(3):515-20

Pressure-regulating effects of prostaglandin E2, F2 alpha and cholecystokinin on canine choledochal and pancreatic ducts in vivo. Poczik M. **Prostaglandins** 1980 May; 19(5):737-45

Induction of labour with sulprostone after foetal death and in hydatidiform mole. Saarikoski S, et al. **Prostaglandins** 1980 Sep;20(3):481-5

Catecholamines and dopamine-beta-hydroxylase activity during therapeutic abortion induced by sulprostone. Saarikoski S, et al. **Prostaglandins** 1980 Sep;20(3):487-92

Effects of prostaglandin E1 on contractility and 45Ca release in rabbit aortic smooth muscle. Wheeler ES, et al. **Prostaglandins** 1980 May;19(5):761-78

Inhibition of the monkey corpus luteum with 15-methyl prostaglandins. Wilks JW. **Prostaglandins** 1980 Nov; 20(5):793-805

The bronchodilator activity of 20-isopropylidene prostaglandin E2 (CS-412). Yamaguchi T, et al. **Prostaglandins** 1980 Sep;20(3):521-32

Enhancement of ketosis by 16,16 dimethylprostaglandin E2 during the genesis of diabetic ketoacidosis in rats. Axelrod L, et al. **Prostaglandins Med** 1981 Feb;6(2):147-52

Effect of prostaglandins on the increased corticosterone output induced by caffeine in the rat. De Pasquale A, et al. **Prostaglandins Med** 1979 Aug;3(2):97-103

Secretory effect of prostaglandins on the rabbit lacrimal gland in vivo. Pholpramool C. **Prostaglandins Med** 1979 Sep;3(3):185-92

Antibody dependent cell-mediated cytotoxicity to herpes simplex virus in man: the influence of drugs on polymorphonuclear leucocyte and mononuclear effector cells. Russell AS, et al. **Prostaglandins Med** 1979 Sep; 3(3):147-58

Combined effect of prostaglandins and an aortic proteoglycan on platelet aggregation and plasma clotting. Ts'ao C, et al. **Prostaglandins Med** 1979 Sep;3(3):159-66

The effect of somatostatin and 16,16-dimethyl-prostaglandin E2 on bombesin-stimulated canine gastric acid, plasma gastrin and pancreatic polypeptide secretion. Materia A, et al. **Regul Pept** 1981 Jan;1(4):297-305

Local effects of 16, 16-dimethyl prostaglandin E2 on gastric blood flow and acid secretion. Cheung LY, et al. **Surgery** 1981 Aug;90(2):291-8

Gastric bicarbonate secretion: effect of pH and topical 16-16 dimethyl prostaglandin E2. Kauffman GL Jr, et al. **Surgery** 1981 Mar;89(3):324-8

Effect of OP 1206, a prostaglandin E1 derivative, on guinea-pig platelet functions. Tsuboi T, et al. **Thromb Res** 1980 Dec 1-15;20(5-6):573-80

[16,16-Dimethyl-prostaglandin E2: protective action on the gastric mucosa] Müller P, et al. **Dtsch Med Wochenschr** 1981 Jan 9;106(2):62 **(Ger)**

[Prostaglandins protect the gastric mucosa irrespective of their acid-inhibiting activity] Müller P, et al. **Med Klin** 1981 Jul 31;76(16):456 **(Ger)**

[Experimental analysis of the effects of PGE2 on uterine, intestinal and cardiac musculature and on striated muscle] Lampa E, et al. **Arch Ostet Ginecol** 1979 Mar-Jul; 84(3-4):151-84 (Eng. Abstr.) **(Ita)**

[Experimental analysis of the cardiovascular and respiratory effects of PGE2 in gastric administration] Rosatti F, et al. **Arch Ostet Ginecol** 1979 Mar-Jul;84(3-4):185-202 **(Ita)**

[Presynaptic inhibitory action of type E prostaglandins on the cholinergic endings of the superior cervical ganglion in the guinea pig] Belluzzi O, et al. **Boll Soc Ital Biol Sper** 1981 Feb 28;57(4):459-63 (Eng. Abstr.) **(Ita)**

[Effects of some prostaglandins on plasma levels of prolactin in the rat] Costa G, et al. **Boll Soc Ital Biol Sper** 1979 Aug 15;55(15):1485-91 (Eng. Abstr.) **(Ita)**

[Effect of natural and synthetic PG on movement and phagocytosis of human leukocytes] Vicenzi E, et al. **Boll Soc Ital Biol Sper** 1980 Jun 15;56(11):1137-43 (Eng. Abstr.) **(Ita)**

[Biological activity of prostaglandin E1 derivative, ONO-802 on smooth muscle (author's transl)] Mori N, et al. **Acta Obstet Gynaecol Jpn** 1981 Feb;33(2):187-92 (Eng. Abstr.) **(Jpn)**

[Effects of prostaglandin E1 analogue and prostaglandin F2 alpha on uterine contraction, uterine blood flow and fetal circulation in pregnant and nonpregnant rabbits (author's transl)] Koresawa M. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Jan;33(1):60-6 (Eng. Abstr.) **(Jpn)**

[Central pharmacological effects of YPG-209 (16(S)-methyl-20-methoxy-prostaglandin E2) (author's transl)] Yamamoto M, et al. **Nippon Yakurigaku Zasshi** 1981 Feb;77(2):141-51 (Eng. Abstr.) **(Jpn)**

[Renin secretion by rat and rabbit kidneys under the influence of prostaglandins] Markov KhM, et al. **Patol Fiziol Eksp Ter** 1980;(4):11-4 (Eng. Abstr.) **(Rus)**

[Effect of prostaglandins F2 alpha and E2 on bladder function (an experimental study)] Vishnevskii EL, et al. **Urol Nefrol (Mosk)** 1980 Nov-Dec;(6):40-2 **(Rus)**

THERAPEUTIC USE

The role of mucus glycoproteins in prostaglandin cytoprotection. Odonkor P, et al. **Am J Gastroenterol** 1980 Jun;73(6):496-9

The use of prostaglandin E1 analogue pessaries in patients having first trimester induced abortions. Nakano R, et al. **Br J Obstet Gynaecol** 1980 Apr;87(4):287-91

The use of 16-16 dimethyl trans delta 2 PGE1 methyl ester (ONO 802) vaginal suppositories for the termination of early pregnancy. A comparative study. Smith SK, et al. **Br J Obstet Gynaecol** 1980 Aug;87(8):712-7

A mechanism for prostaglandin cytoprotection. McGreevy JM, et al. **Br J Surg** 1980 Dec;67(12):873-6

Prevention by mild irritants of gastric necrosis produced in rats by sodium taurocholate. Chaudhury TK, et al. **Dig Dis Sci** 1980 Nov;25(11):830-6

Role of prostaglandins in the control of gastric acid secretion. Peskar BM. **Hepatogastroenterology** 1980 Aug;27(4):330-6 (72 ref.)

Prostaglandins. Their potential in clinical medicine. Zurier RB. **Postgrad Med** 1980 Sep;68(3):70-81

Prostaglandin analogs as inhibitors of tumor cell DNA synthesis. Honn KV, et al. **Proc Soc Exp Biol Med** 1981 Apr;166(4):562-7

The use of sulprostone, a prostaglandin E2 derivative, in intrauterine fetal death and therapeutic abortion. Lippert TH, et al. **Prostaglandins Med** 1980 Oct;5(4):259-65

Effect of prostaglandin E2 and 15(R)15 methyl PGE2 on duodenal ulcer. Chen FW, et al. **Singapore Med J** 1980 Jun;21(3):596-8

[Induction of abortion during the second and third trimester of pregnancy with sulprostone (author's transl)] Heinzl S, et al. **Geburtshilfe Frauenheilkd** 1981 Mar;41(3):231-6 (Eng. Abstr.) **(Ger)**

[Prostaglandins in obstetrics and gynecology] Ritzmann H. **ZFA (Stuttgart)** 1980 Sep 20;56(26):1634-6 **(Ger)**

[Effects of prostaglandins (PGE1) on the development of amebas i experimentally infected rats] Cicchini T, et al. **Ann Sclavo** 1980 Sep-Oct;22(5):748-54 **(Ita)**

[Schistosoma mansoni and PGE1. Experimental study in vitro and in vivo] Cicchini T, et al. **Ann Sclavo** 1980 Sep-Oct; 22(5):755-62 **(Ita)**

[Experimental amebiasis: effect of PGE1 on rats infested with Entamoeba histolytica] Cicchini T, et al. **Ann Sclavo** 1980 Sep-Oct;22(5):763-75 (Eng. Abstr.) **(Ita)**

[Effect of prostaglandins on cellular immune response in mice with melanoma B16] Favalli C, et al. **Boll Soc Ital Biol Sper** 1980 Oct 30;56(20):2037-42 (Eng. Abstr.) **(Ita)**

[Contribution to the classification of the role of E2 prostaglandin S2 in certain bronchospasm situations] Banaudi C, et al. **Minerva Med** 1981 Jun 23;72(25):1623-6 (Eng. Abstr.) **(Ita)**

[Prospects for the use of prostaglandins in pediatric cardiology] Zaorska B. **Kardiol Pol** 1981;24(2):167-72 (30 ref.) (Eng. Abstr.) **(Pol)**

[Cytoprotection. A new fashion or real progress?] Tarnawski A. **Pol Arch Med Wewn** 1980 Aug;64(2):97-104 **(Pol)**

[Effect of prostaglandins on the motor function of the large intestine] Shirokova KI, et al. **Klin Med (Mosk)** 1980 Sep; 58(9):72-5 (Eng. Abstr.) **(Rus)**

PROSTAGLANDINS F

The effect of estradiol on isolated rat uterine motility and on prostaglandin generation. Sterin-Speziale N, et al. **Prostaglandins** 1980 Aug;20(2):233-43

ADMINISTRATION & DOSAGE

Use of intramuscular prostaglandin for failure of mid-trimester abortion by another method. Schwallie PC, et al. **Contraception** 1980 Dec;22(6):623-42

Preoperative administration of prostaglandin to avoid dilatation-induced damage in first-trimester pregnancy terminations. Heinzl S, et al. **Gynecol Obstet Invest** 1981; 12(1):29-36

Rupture of the uterus after midtrimester prostaglandin abortion. Cederqvist LL, et al. **J Reprod Med** 1980 Sep; 25(3):136-8

A new abortion technique: intravaginal and intramuscular prostaglandin. Lauersen NH, et al. **Obstet Gynecol** 1981 Jul;58(1):96-100

Continuous monitoring of uterine contractions to control intra-amniotic administration of prostaglandin F2 alpha for therapeutic and missed abortion. Roux CJ, et al. **S Afr Med J** 1981 May 30;59(23):819-21

[Therapeutic abortion during the second trimester of pregnancy, using intracervical injection of PgF2 alpha (author's transl)] Maria B, et al. **Nouv Presse Med** 1981 May 16;10(22):1825-7 (Eng. Abstr.) **(Fre)**

[Labor induction with automatic intravenous perfusion of PGF2-alpha] Di Lieto A, et al. **Minerva Ginecol** 1980 Nov; 32(11):1043-8 (Eng. Abstr.) **(Ita)**

[Effects of topically used prostaglandins E1, E2, F2 alpha on psoriatic lesions (author's transl)] Katayama H, et al. **Nippon Hifuka Gakkai Zasshi** 1980 Oct;90(11):1031-4 **(Jpn)**

[Labor stimulation by the intravenous administration of oxytocin in combination with prostaglandin F2 alpha (enzaprost)] Guliev ChK. **Akush Ginekol (Mosk)** 1980 Jul; (7):29-31 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Fetal death following extra-amniotic prostaglandin gel. Report of two cases. Quinn MA, et al. **Br J Obstet Gynaecol** 1981 Jun;88(6):650-1

Dinoprost in pyometritis in the bitch [letter] Coulson A. **Vet Rec** 1979 Aug 18;105(7):151

[Early complications after intra-cervical application of prostaglandin F2 alpha gel for therapeutic abortion (author's transl)] Hölzel D, et al. **Geburtshilfe Fraunheilkd** 1981 Jun;41(6):421-3 (Eng. Abstr.) **(Ger)**

[Early inflammatory complications in induction of abortion by means of intrauterine extra-amnial administration of prostaglandin F 2 alpha in primigravidae] Koinzer G, et al. **Z Aerztl Fortbild (Jena)** 1979 Nov 1;73(21):1007-9 **(Ger)**

[Side effects of extra-amniotic PGF2 alpha in the induction of labor in retained abortion and in the intrauterine death of the fetus] Paladini A, et al. **Minerva Ginecol** 1980 Sep; 32(9):781-6 (Eng. Abstr.) **(Ita)**

[Effect of prostaglandin F2alpha and oxytocin on the fetus and the newborn infant] Chernukha EA, et al. **Akush Ginekol (Mosk)** 1980 Aug;(8):21-4 (Eng. Abstr.) **(Rus)**

ANALYSIS

Peritoneal fluid thromboxane B2 and 6-keto-prostaglandin F1 alpha in endometriosis. Drake TS, et al. **Am J Obstet Gynecol** 1981 Jun 15;140(4):401-4

Enzymatic preparation of carboxyl oxygen-18 labeled prostaglandin F2 alpha and utility for quantitative mass spectrometry. Pickett WC, et al. **Anal Biochem** 1981 Feb; 111(1):115-21

Prostaglandins in human milk. Lucas A, et al. **Arch Dis Child** 1980 Dec;55(12):950-2

Enzyme immunoassay of prostaglandin F2alpha. Hayashi Y, et al. **Biochim Biophys Acta** 1981 Mar 23;663(3):661-8

Quantitative determination of 6-Oxo-PGF1 alpha in biological fluids by gas chromatography mass spectrometry. Claeys M, et al. **Biomed Mass Spectrom** 1980 Nov;7(11-12):544-8

A comparison of the quantitative analysis of 6-oxo-PGF1 alpha in biological fluids by gas chromatography mass spectrometry and radioimmunoassay. Hensby CN, et al. **Biomed Mass Spectrom** 1981 Mar;8(3):111-7

Prostaglandin E and F concentrations in placentae of normal, hypertensive and pre-eclamptic patients. Hillier K, et al. **Br J Obstet Gynaecol** 1981 Mar;88(3):274-7

Prostaglandins and steroid hormones in plasma and ovarian follicles during the ovulation cycle of the domestic hen (Gallus domesticus). Hammond RW, et al. **Gen Comp Endocrinol** 1980 Oct;42(2):195-202

Uterine prostaglandins E and F levels during pregnancy in the rats. Garg SK. **Indian J Med Res** 1981 Apr;73:637-40

Uterine prostaglandin levels in pregnant ovariectomized rats. Garg SK, et al. **Indian J Med Res** 1981 May;73:782-6

Quantitative determination of 6-keto prostaglandin F1 alpha in biological fluids by capillary gas chromatography-chemical ionization mass spectrometry. Suzuki M, et al. **J Chromatogr** 1980 Dec 12;221(2):361-6

Prostaglandins in gingiva of patients with periodontal disease. ElAttar TM, et al. **J Periodontol** 1981 Jan;52(1):16-9

Radioimmunoassay of prostaglandins in the semen of fertile men. Gerozissis K, et al. **J Reprod Fertil** 1981 Mar; 61(2):487-90

Levels of prostaglandin F2 alpha, E2 in the human uterine tissues and in human fallopian tubes from nonpregnant women. Oyamada T. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Jan;33(1):155-60

Prostaglandins in human milk. Reid B, et al. **Pediatrics** 1980 Dec;66(6):870-2

Quantitative determination of 6-keto-PGF1 alpha released by rat aorta: comparison of mass fragmentography and high resolution gas chromatography with electron capture detection. Chiabrando C, et al. **Prostaglandins** 1980 Oct; 20(4):747-58

Identification and quantitation by radioimmunoassay of prostaglandin F compounds in bile. Deshpande YG, et al. **Prostaglandins** 1980 Aug;20(2):367-72

Concentration of prostaglandins PGE and PGF, estrone, estradiol, and progesterone in human corpora lutea. Patwardhan VV, et al. **Prostaglandins** 1980 Dec;20(6):963-9

Investigations on the PGF2a concentration in maternal and foetal cotyledons of cows with and without retained foetal membranes. Leidl W, et al. **Zentralbl Veterinaermed [A]** 1980;27(9-10):691-6

[Relationship between the onset of labor and prostaglandins in rabbit tissues before and after delivery (author's transl)] Makimura N, et al. **Acta Obstet Gynaecol Jpn** 1981 Mar; 33(3):377-83 (Eng. Abstr.) **(Jpn)**

[Effect of oxytocin administration on prostaglandin concentrations in uterine and placental tissues of pregnant rabbit (author's transl)] Nagata I, et al. **Acta Obstet Gynaecol Jpn** 1981 Apr;33(4):455-60 (Eng. Abstr.) **(Jpn)**

[Prostaglandins levels in the aqueous of vitreous tug syndrome and their changes by pars plana vitrectomy (author's transl)] Miyake K. **Nippon Ganka Gakkai Zasshi** 1980 Oct 10;84(10):1461-7 (Eng. Abstr.) **(Jpn)**

[Endometrial content of prostaglandins in IUD-bearing rabbits: the effect of ovarian steroids on changes in endometrial prostaglandins (author's transl)] Tokunaga T. **Nippon Naibunpi Gakkai Zasshi** 1980 Oct 20;56(10):1447-60 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

Blockade of luteal prostaglandin F release in vitro during cloprostenol-induced luteolysis in the pig. Guthrie HD, et al. **Biol Reprod** 1980 Sep;23(2):358-62

Effect of indomethacin dexamethasone-induced parturition in swine. Nara BS, et al. **J Anim Sci** 1981 Apr;52(4):788-93

Uterine relaxant effects of mono- and dibenzyloxyindanpropionic acids. Heaslip RJ, et al. **Res Commun Chem Pathol Pharmacol** 1981 May; 32(2):251-9

BIOSYNTHESIS

Prostaglandin F2 alpha metabolites in plasma and urine during pseudopregnancy in the rabbit. Satoh K, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 1):748-54

Prostaglandin biosynthesis by lapine articular chondrocytes in culture. Malemud CJ, et al. **Biochim Biophys Acta** 1981 Feb 23;663(2):480-90

Estrogen and uterine sensitization for the decidual cell reaction: role of prostaglandins. Kennedy TG. **Biol Reprod** 1980 Dec;23(5):955-62

Prostaglandin synthesis in the endometrium of women with ovular dysfunctional uterine bleeding. Smith SK, et al. **Br J Obstet Gynaecol** 1981 Apr;88(4):434-42

The effects of crystalloid potassium cardioplegic solution on arterialized canine vein grafts. Assessment of chronic prostacyclin production and histopathologic alterations. Hoover EL, et al. **Circulation** 1981 Aug;64(2 Pt 2):96-100

Biosynthesis of prostaglandin E2 and F2 alpha in gingiva of patients with chronic periodontitis. Elattar TM, et al. **J Dent Res** 1981 Mar;60(3):748-50

Metabolic alterations in the endogenous formation of 6 keto-prostaglandin F1 alpha, thromboxane B2 and prostaglandin E2 in the brain-stem of stroke-resistant spontaneously hypertensive rats. Ohtsu E, et al. **J Nutr Sci Vitaminol (Tokyo)** 1980;26(4):343-7

Dose-dependent stimulation of renal prostaglandin synthesis by deamino-8-D-arginine vasopressin in rats with hereditary diabetes insipidus. Walker LA, et al. **J Pharmacol Exp Ther** 1981 Apr;217(1):87-91

Development of a dual isotopes techniques and two-stage column chromatography to characterize the prostaglandin F2alpha, E2 and Thromboxane B2 formed by the guinea pig lung. Giri SN, et al. **J Pharmacol Methods** 1980 Dec; 4(4):335-53

Protein, prostaglandin and steroid synthesis in caruncular and intercaruncular endometrium of sheep before implantation. Findlay JK, et al. **J Reprod Fertil** 1981 Jul;62(2):361-77

Prostaglandin synthesis in the male and female reproductive tract. Kelly RW. **J Reprod Fertil** 1981 May;62(1):293-304

Distribution of arachidonic acid and other fatty acids in the lipids of guinea-pig uterus and plasma in relation to uterine prostaglandin synthesis. Leaver HA, et al. **J Reprod Fertil** 1981 Mar;61(2):325-33

Prostacyclin and haemolytic, thrombocytopenic microangiopathy [letter] Jørgensen KA, et al. **Lancet** 1981 Sep 5;2(8245):530

Synthesis of thromboxane B2 and 6-keto-prostaglandin F1 alpha by bovine gastric mucosal and muscle microsomes. Ali M, et al. **Prostaglandins** 1980 Aug;20(2):245-54

Differential production of PGF and 6-keto-PGF1 alpha by the rat endometrium and myometrium in response to oxytocin, catecholamines and calcium ionophore. Campos GA, et al. **Prostaglandins** 1980 Aug;20(2):297-310

Studies on prostaglandin F2 alpha formation caused by pentametylenetetrazol-induced convulsions in rat brain. Seregi A, et al. **Prostaglandins** 1981 Feb;21(2):217-26

The production of prostaglandins in response to experimentally induced osteomyelitis in rabbits. Corbett M, et al. **Prostaglandins Med** 1979 Jun;2(6):403-12

Vascular 6-keto-prostaglandin F1 alpha production in term vaginal versus cesarean section deliveries. Sunderji SG, et al. **Prostaglandins Med** 1981 May;6(5):519-20

Thromboxane B2 and 6-keto-prostaglandin F1 alpha synthesis during infusion of collagen and arachidonic acid in rabbits: inhibition by aspirin and sulfinpyrazone. Cerskus AL, et al. **Thromb Res** 1980 Jun 1;18(5):693-705

[Preliminary results on the possible role of intestinal peroxidase (EC 1.11.1.7) in the biosynthesis of prostaglandins] Carlà V, et al. **Boll Soc Ital Biol Sper** 1980 Dec 30;56(24):2535-8 (Eng. Abstr.) **(Ita)**

[Studies on the mechanism and the significance of prostaglandin biosynthesis by the ovary--conversion of 14C-arachidonic acid to prostaglandins (author's transl)] Mitsuhashi N. **Acta Obstet Gynaecol Jpn** 1981 May; 33(5):591-6 (Eng. Abstr.) **(Jpn)**

[Studies on the mechanism and the significance of prostaglandin biosynthesis by the ovary --ovulation block by the indomethacin and incubation of the follicle (author's transl)] Mitsuhashi N. **Acta Obstet Gynaecol Jpn** 1981 Apr; 33(4):479-88 (Eng. Abstr.) **(Jpn)**

[Stimulation of prostaglandin E2 and F2a biosynthesis in the brains of mouse strain F1 (CBA X C57BL) by the tranquilizer phenazepam] Romantsev EF, et al. **Dokl Akad Nauk SSSR** 1981;258(1):239-42 **(Rus)**

[Effect of ACTH in the biosynthesis of prostaglandins, adenosine cyclic monophosphate and steroids in the adrenal cortex of rabbits in vivo] Iudaev NA, et al. **Probl Endokrinol (Mosk)** 1980 Jul-Aug;26(4):46-51 (Eng. Abstr.) **(Rus)**

BLOOD

Plasma concentrations of progesterone, oestrogens and prostaglandin F in maternal blood and corticosteroids and oestrogens in foetal blood of cows during dexamethasone-induced deliveries. Fairclough RJ, et al. **Acta Endocrinol (Copenh)** 1981 Mar;96(3):406-12

Prostacyclin, thromboxane, and prostaglandin F2 alpha in maternal plasma during breast-feeding. Ylikorkala O, et al. **Am J Obstet Gynecol** 1981 Mar 15;139(6):690-2

Prepartum changes of plasma concentrations of prostaglandin F and 13,14-dihydro-15-ketoprostaglandin metabolites in pregnant animals exposed to Sarcocystis cruzi or Campylobacter fetus. Baetz AL, et al. **Am J Vet Res** 1981 Jan;42(1):22-4

LH, FSH, TSH, prolactin, HCG and prostaglandin F2 alpha in patients with treated testis tumors. Dunzendorfer U, et al. **Andrologia** 1980 Nov-Dec;12(6):504-9

Prostaglandins in salmonella-induced secretory diarrhoea [letter] Korman SH, et al. **Arch Dis Child** 1981 Jul; 56(7):570-1

Complement activation and blood levels of 6-oxo-prostaglandin F1alpha during endotoxin-induced hypotension in rabbits. Rampart M, et al. **Arch Int Pharmacodyn Ther** 1981 Feb;249(2):328-9

Plasma levels of 13,14-dihydro-15-keto prostaglandin F2 alpha in relation to oviposition and ovulation in the domestic hen (Gallus domesticus). Olson DM, et al. **Biol Reprod** 1981 Apr;24(3):496-504

The effect of clinical prostacyclin infusions in advanced arterial disease on platelet function and plasma 6-keto PGF1 alpha levels. Machin SJ, et al. **Br J Haematol** 1981 Mar;47(3):413-22

A comparison of plasma prostaglandin levels in term and preterm labour. Sellers SM, et al. **Br J Obstet Gynaecol** 1981 Apr;88(4):362-6

Plasma prostaglandin concentrations after cerclage in early pregnancy. Toplis PJ, et al. **Br J Obstet Gynaecol** 1980 Aug;87(8):669-71

In-vitro venous prostacyclin production, plasma 6-keto-prostaglandin F1 alpha concentrations, and diabetic retinopathy. Davis TM, et al. **Br Med J [Clin Res]** 1981 Apr 18;282(6272):1259-62

Relationship of prostaglandin F2 alpha to cystic ovarian follicles in the sow. Liptrap RM, et al. **Br Vet J** 1981 May-Jun;137(3):289-99

Influence of the lung on arterial levels of endogenous prostaglandins E and F. Pitt BR, et al. **J Appl Physiol** 1981 Jun;50(6):1161-7

Rat platelet prostaglandin, cyclic AMP and lipid response to variations in dietary fat. Fine KM, et al. **J Nutr** 1981 Apr;111(4):699-707

Additional pathway of transfer of uterine prostaglandin F-2 alpha to the ovary in sheep. Alwachi SN, et al. **J Reprod Fertil** 1981 Jan;61(1):197-200

Plasma concentrations of progesterone and 13,14-dihydro-15-keto-prostaglandin F-2 alpha at parturition in the bandicoot, Isoodon macrourus. Gemmell RT, et al. **J Reprod Fertil** 1980 Sep;60(1):253-6

Concurrent uterine venous and ovarian arterial prostaglandin F concentrations in heifers treated with oxytocin. Milvae RA, et al. **J Reprod Fertil** 1980 Sep;60(1):7-15

Prostaglandins in the umbilical and uterine circulations during late pregnancy in the ewe. Mitchell MD, et al. **J Reprod Fertil** 1980 Mar;58(2):283-7

Species variation in serum levels of prostaglandins and their precursor acids. Hwang DW, et al. **Lipids** 1980 Aug; 15(8):597-600

Thromboxane and prostacyclin release from ischaemic myocardium in relation to arrhythmias. Coker SJ, et al. **Nature** 1981 May 28;291(5813):323–4

Plasma prostaglandin in pregnant women with term and preterm deliveries. Dubin NH, et al. **Obstet Gynecol** 1981 Feb;57(2):203–6

Observations on prostaglandins in normal and leukemic human lymphocytes. Carpentieri U, et al. **Prostaglandins** 1980 Dec;20(6):1117–29

Plasma prostaglandin F metabolite concentrations following cervical encerclage. Cocks PS, et al. **Prostaglandins** 1980 Sep;20(3):492–502

Temporal relationship between plasma concentrations of 13,14–dihydro–15–keto–prostaglandin F and neurophysin I/II around luteolysis in sheep. Fairclough RJ, et al. **Prostaglandins** 1980 Aug;20(2):199–208

Calcitonin temporarily increases 6–oxo–prostaglandin F1 alpha–levels in man [letter] Sinzinger H, et al. **Prostaglandins** 1980 Oct;20(4):611–2

Prostaglandin levels and renin activity in renal venous blood of patients with renal hypertension. Ignatowska–Switalska H, et al. **Prostaglandins Med** 1981 Jan;6(1):65–74

Enhanced 6–oxo–PGF1 alpha levels in plasma during hemodialysis. Leithner C, et al. **Prostaglandins Med** 1980 Dec;5(6):425–7

Forearm ischaemia as a test of prostacyclin production: studies in normal subjects and in patients with diabetes mellitus. Webster J, et al. **Prostaglandins Med** 1981 Jun; 6(6):661–7

Prostaglandin F2 alpha and progesterone in experimental hypogalactia in sows. Liptrap RM. **Res Vet Sci** 1980 Sep; 29(2):240–7

Plasma thromboxane and prostacyclin metabolites in sheep partial cardiopulmonary bypass. Zapol WM, et al. **Trans Am Soc Artif Intern Organs** 1980;26:556–60

[13,14–Dihydro–15–keto prostaglandin F2 alpha and haptoglobin in the serum of patients with urogenital tumors] Dunzendorfer U, et al. **Onkologie** 1981 Feb; 4(1):10–6 (Eng. Abstr.) **(Ger)**

[Alterations of oxytocin and prostaglandin E1, E2, F2 alpha levels in human plasma during labor (author's transl)] Nagata I, et al. **Acta Obstet Gynaecol Jpn** 1981 May; 33(5):607–11 (Eng. Abstr.) **(Jpn)**

[Prostaglandins and dysmenorrhea effect of naproxen on prostaglandin concentrations in menstrual blood (author's transl)] Ninagawa T, et al. **Acta Obstet Gynaecol Jpn** 1981 Apr;33(4):449–54 (Eng. Abstr.) **(Jpn)**

[Inactivation of prostaglandin F2 alpha in pulmonary and systemic circulation (author's transl)] Chijimatsu Y, et al. **Kokyu To Junkan** 1980 Aug;28(8):885–9 (Eng. Abstr.) **(Jpn)**

[Concentration of PGE and 13,14–dihydro–15–keto–PGF2 alpha in bronchial asthma during corticotherapy] Lypka A, et al. **Pneumonol Pol** 1980 Aug;48(8):525–9 (Eng. Abstr.) **(Pol)**

[Characteristics of the changes in the endogenous prostaglandin content in the acute period of myocardial infarct] Aleshin OI, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1981;4(1):42–6 (Eng. Abstr.) **(Rus)**

[Prostaglandins in chronic liver diseases in children] Markov KhM, et al. **Pediatriia** 1980 Nov;(11):33–5 **(Rus)**

[Prostaglandins in bronchial asthma in children] Reznik IB. **Pediatriia** 1980 Jul;(7):35–8 (Eng. Abstr.) **(Rus)**

[Prostaglandin F2 alpha in the blood plasma of children with bronchial asthma] Ziabkina AG, et al. **Pediatriia** 1980 Jul; (7):38–9 (Eng. Abstr.) **(Rus)**

[Effect of acute sodium chloride load on blood prostaglandin levels in healthy subjects and in patients with hypertension] Shkhvatsabaia IK, et al. **Ter Arkh** 1980;52(12):39–43 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

Prostaglandins E2 and F2 alpha in the cerebrospinal fluid in patients with multiple sclerosis. Rosnowska M, et al. **Acta Med Pol** 1981;22(1):97–103

CHEMICAL SYNTHESIS

[Researches on prostanoids. I. Total synthesis of DL–prostaglandin F2 alpha and its omega–ethyl analog (author's transl)] Wu YL, et al. **Yao Hsueh Hsueh Pao** 1981 May;16(5):349–55 (Eng. Abstr.) **(Chi)**

DIAGNOSTIC USE

[Effect of prostaglandins E2 and F2 on mast cell serotonin content in experimental pancreatitis] Aleksandrov PN, et al. **Biull Eksp Biol Med** 1981 May;91(5):535–7 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Role of prostaglandins in immunological reactions] Zaorska B. **Pediatr Pol** 1981 Mar;56(3):335–9 (28 ref.) **(Pol)**

[Role of prostaglandins in immunological reactions] Januszewicz P. **Pol Tyg Lek** 1981 Mar 23;36(12):457–8 (41 ref.) **(Pol)**

METABOLISM

Prostaglandins PGE and PGF in human ovarian follicles: endogenous contents and in vitro formation by theca and granulosa cells. Patwardhan VV, et al. **Acta Endocrinol (Copenh)** 1981 Aug;97(4):543–50

The role of prostaglandin F2 alpha in byssinosis. Elissalde MH Jr, et al. **Am Ind Hyg Assoc J** 1980 May;41(5):382–4

Prostaglandin F2 alpha metabolites in plasma and urine during pseudopregnancy in the rabbit. Satoh K, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 1):748–54

Corticosterone secretion after inhibition of prostaglandin synthesis by indomethacin. Thompson ME, et al. **Am J Physiol** 1981 Feb;240(2):E131–5

Metabolism of prostacyclin and 6–keto–prostaglandin F1 alpha in man. Rosenkranz B, et al. **Artery** 1980;8(1):18–22

Identification of the major metabolite of prostacyclin and 6–ketoprostaglandin F1 alpha in man. Rosenkranz B, et al. **Biochim Biophys Acta** 1980 Aug 11;619(2):207–13

Perinatal variations of prostaglandins E2 and F alpha levels in brown adipose tissue of the rat; effects of ambient temperature. Portet R, et al. **Biochimie** 1980;62(10):715–8

Uterine prostaglandin F2 alpha content and 20 alpha–hydroxysteroid dehydrogenase activity of individual ovarian compartments during pseudopregnancy in the rat. Doebler JA, et al. **Biol Reprod** 1981 May;24(4):871–8

Intrarenal conversion of prostaglandin F2 alpha into prostaglandin E2 and renin release in the isolated perfused rat kidney. Schwertschlag U, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:117s–119s

On the mechanism of action of a new pregnancy–terminating agent. Part I: Effects of prostaglandin F2 alpha metabolism in the rat and the hamster. Luzzani F, et al. **Contraception** 1981 Mar;23(3):325–33

Selective binding of prostaglandin F2 alpha to membrane fractions enriched in 5–nucleotidase, Ca2+–ATPase, and Mg2+–(Na+ + K+)ATPase. Tóth M, et al. **Endocrinology** 1981 Jul;109(1):106–12

The effects of ozone and paraquat on PGF2 alpha and PGE2 levels in plasma and combined pleural effusion and lung lavage of rats. Giri SN, et al. **Environ Res** 1980 Apr; 21(2):467–76

The kinetics and energy dependence of prostaglandim transport processes. I. In vitro studies on the rate of PGF2 alpha accumulation by the rabbit anterior uvea. DiBenedetto FE, et al. **Exp Eye Res** 1980 FEB;30(2):175–82

On the occurrence of prostacyclin metabolites in plasma and vascular tissue as determined radioimmunologically. Peskar BM, et al. **FEBS Lett** 1980 Nov 17;121(1):25–8

Antioxidant effects on the prostaglandin endoperoxide synthetase product profile. Carpenter MP. **Fed Proc** 1981 Feb;40(2):189–94

Prostaglandin production by Rhesus monkey corpora lutes in vitro: Effects of estrogen administration. Balmaceda JP, et al. **Int J Gynaecol Obstet** 1980 Jul–Aug;18(1):15–8

Metabolism of prostacyclin and 6–keto–prostaglandin F1 alpha in man. Rosenkranz B, et al. **J Biol Chem** 1980 Nov 10;255(21):10194–8

Release of prostaglandins from bone and muscle after tibial fracture. An experimental study in rabbits. Dekel S, et al. **J Bone Joint Surg [Br]** 1981 Aug;63–B(2):185–9

Suppression of concentration of endometrial prostaglandin in early intra–uterine and ectopic pregnancy in women. Abel MH, et al. **J Endocrinol** 1980 Jun;85(3):379–86

Thromboxane and prostacyclin release during cardiac immediate hypersensitivity reactions in vitro. Allan G, et al. **J Pharmacol Exp Ther** 1981 Apr;217(1):157–61

Studies on the involvement of prostaglandins in implantation in the rat. Phillips CA, et al. **J Reprod Fertil** 1981 May; 62(1):73–81

Arachidonic acid oxygenation products produced by mouse peritoneal macrophages responding to inflammatory stimuli. Bonney RJ, et al. **J Reticuloendothel Soc** 1980 Dec; 28(Suppl):113s–115s (21 ref.)

Contributions of prostaglandin F2alpha and thromboxane A2 to the acute cardiopulmonary changes of pulmonary embolism. Kapsch DN, et al. **J Surg Res** 1981 May; 30(5):522–9

Sex and hormonal modification of 6–keto–PGF1 alpha release by rat aorta. Pomerantz K, et al. **Life Sci** 1980 Sep 29;27(13):1233–6

The impermeability of the basic cell membrane to thromboxane–B2' prostacyclin and 6–keto–PGF 1 alpha. Baroody RA, et al. **Prostaglandins** 1981 Jan;21(1):133–42

Gestational changes in the progesterone and prostaglandin F levels of the guinea–pig. Csapo AI, et al. **Prostaglandins** 1981 Jan;21(1):53–64

The influence of prostaglandins on sperm motility. Schlegel W, et al. **Prostaglandins** 1981 Jan;21(1):87–99

Preparation of two dinor–PGI2 metabolites from 6–keto–PGF1 alpha by Mycobacterium rhodochrous. Sun FF, et al. **Prostaglandins** 1980 Oct;20(4):729–33

A study of prostaglandin F2 alpha as the luteolysin in swine: V. Comparison of prostaglandin F, progestins, estrone and estradiol in uterine flushings from pregnant and nonpregnant gilts. Zavy MT, et al. **Prostaglandins** 1980 Nov;20(5):837–51

Uterine prostaglandin F2 alpha & E2 production and content during the second half of the oestrous cycle of the sheep – possible local control of the uterus by the ovary. Alwachi SN, et al. **Prostaglandins Med** 1979 Jul;3(1):23–32

Relationship between prostaglandins and cyclic–AMP in the process of implantation in rats. Garg SK, et al. **Prostaglandins Med** 1979 Jul;3(1):1–6

Relationship between concentration of prostaglandins E and F in the regulation of ovum transport in rabbits. Rajkumar K, et al. **Prostaglandins Med** 1979 Jun;2(6):445–54

Effect of unilateral common carotid artery occlusion on levels of prostaglandins D2, F2 alpha and 6–keto–prostaglandin F1 alpha in gerbil brain. Gaudet RJ, et al. **Stroke** 1980 Nov–Dec;11(6):648–52

[On the histotopochemistry of prostaglandin F2 alpha metabolizing enzymes in rat kidney (author's transl)] Wohlrab F, et al. **Acta Histochem (Jena)** 1980;67(2):234–46 (Eng. Abstr.) **(Ger)**

[Changed equilibrium between the sympathetic–adenyl cyclase–cyclic AMP–PGE system and the cholinergic–guanyl cyclase–cyclic GMP–PGF2 alpha system as a pathogenetic mechanism of bronchial asthma] Accardo G, et al. **G Clin Med** 1980 Jun;61(6):444–8 **(Ita)**

[Prostaglandins in human pregnancy and labor––studies on the levels of PGF2 alpha metabolites and in vitro production of PGE and PGF by uterus and placenta during human pregnancy and labor (author's transl)] Yasumizu T. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Jan;33(1):1–10 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Effect of the blockade of adrenergic, serotoninergic and cholinergic receptors of the central nervous system on the action of prostaglandin F2 alpha in rat. Brus R. **Acta Med Pol** 1981;22(1):1–6

Prostaglandins and the cardiotoxic effects of doxepin in rabbits and guinea–pigs. Puisto EL, et al. **Acta Pharmacol Toxicol (Copenh)** 1980 Sep;47(3):183–9

Prolactin secretion in nonpregnant sows treated with prostaglandin F2 alpha. Benjaminsen E, et al. **Acta Vet Scand** 1981;22(1):146–8

Voltage–clamp study of prostaglandin F2 alpha. Effect on guinea–pig ureter smooth muscle. Bury VA, et al. **Agressologie** 1980;21(2):93–5

Mechanism of luteolysis: effect of estradiol and prostaglandin F2 alpha on corpus luteum luteinizing hormone/human chorionic gonadotropin receptors and cyclic nucleotides in the rhesus monkey. Sotrel G, et al. **Am J Obstet Gynecol** 1981 Jan 15;139(2):134–40

Modification of Na and Cl transport in canine tracheal mucosa by prostaglandins. Al–Bazzaz F, et al. **Am J Physiol** 1981 Feb;240(2):F101–5

Stimulation of HCO3– transport in isolated proximal bullfrog duodenum by prostaglandins. Flemström G. **Am J Physiol** 1980 Sep;239(3):G198–203

A vasoconstrictor cardiogenic chemoreflex induced by prostaglandin F2 alpha. Parker RE, et al. **Am J Physiol** 1981 Apr;240(4):H528–32

Prostaglandin E2 and F2 alpha reduces urea reabsorption from the rat collecting duct. Roman RJ, et al. **Am J Physiol** 1981 Jul;241(1):F53–60

Refractoriness of both uterus and mammary gland of the cow to prostaglandin F2 alpha administration:P clinical application. Eiler H, et al. **Am J Vet Res** 1981 Feb; 42(2):314–7

Peripheral serum progesterone and luteinizing hormone concentrations of goats during synchronization of estrus and ovulation with prostaglandin F2 alpha. Ott RS, et al. **Am J Vet Res** 1980 Sep;41(9):1432–4

PGF2 alpha on drug–induced contractile responses of frog rectus abdominis muscle. Dhumal VR, et al. **Arch Int Pharmacodyn Ther** 1980 Aug;246(2):215–23

The effect of intravaginal prostaglandin F2 alpha on labour after spontaneous and artificial rupture of the membranes. MacLennan AH, et al. **Aust NZ J Obstet Gynaecol** 1980 May;20(2):87–90

A double blind dose trial of intravaginal prostaglandin F2 alpha for cervical ripening and the induction of labour. MacLennan AH, et al. **Aust NZ J Obstet Gynaecol** 1980 May;20(2):80–3

Use of vaginal prostaglandin gel before induction of labour. Murphy AJ, et al. **Aust NZ J Obstet Gynaecol** 1980 May; 20(2):84–6

Single dose extra–amniotic prostaglandin gel for midtrimester termination of pregnancy. Quinn MA, et al. **Aust NZ J Obstet Gynaecol** 1980 May;20(2):77–9

Maintenance of receptors for luteinizing hormone by ovine placental lactogen in pseudopregnant rats. Chan JS, et al. **Biol Reprod** 1980 Aug;23(1):60–3

Prostaglandins do not affect steroidogenesis and are not being produced in response to LH in chicken granulosa cells. Hertelendy F, et al. **Biol Reprod** 1980 Dec;23(5):918–23

Effects of prostaglandin F2 alpha, indomethacin, and estradiol on ovum transport and pregnancy in the golden hamster. Thomas CM, et al. **Biol Reprod** 1980 Nov; 23(4):687–98

Systolic time intervals and haemodynamic changes during intravenous infusion of prostaglandins F2 alpha and E2. Thayssen P, et al. **Br Heart J** 1981 Apr;45(4):447–56

Effect of prostaglandins and cyclic nucleotides on growth and immunoglobulin secretion of two IgE myeloma cell lines. Carini C, et al. **Br J Cancer** 1981 Mar;43(3):257–60

Facilitation of sympathetic neurotransmission in the rat anococcygeus muscle by prostaglandins D2 and F2 alpha. Bedwani JR, et al. **Br J Pharmacol** 1980 Aug;69(4):609–14

The effect of exogenous prostaglandins F2 alpha and E2 and indomethacin on micturition. Khalaf IM, et al. **Br J Urol** 1981 Feb;53(1):21–8

Prostaglandins, clonidine and sexual receptivity in the guinea pig. Irving SM, et al. **Brain Res** 1981 Jan 5;204(1):65–77

Cardiac effects of prostaglandins E1 and F1 alpha.

Vadlamudi RV, et al. **Can J Physiol Pharmacol** 1981 May; 59(5):473–8

Effects of prostaglandins on renin substrate production by the liver. Murakami E, et al. **Clin Sci [Suppl]** 1980 Dec; 59 Suppl 6:137s–139s

Dilatation of the cervix prior to vacuum aspiration by single vaginal administration of 15-methyl-PGF2 alpha methyl ester. Frankman O, et al. **Contraception** 1980 Jun; 21(6):571–6

A luteolytic effect of a prostaglandin F2 alpha analogue in non-pregnant women? Hamberger L, et al. **Contraception** 1980 Oct;22(4):383–8

The effect of a 15(S)-15-methyl prostaglandin F2 alpha (methyl ester) suppository upon termination of early pregnancy. Roux JF, et al. **Contraception** 1980 Jul; 22(1):57–61

Acute effects of prostaglandin F2 alpha an ovarian and luteal blood flow, luteal gonadotropin uptake in vivo, and gonadotropin binding in vitro. Pang CY, et al. **Endocrinology** 1981 Jun;108(6):2239–44

Effects of prostaglandins on sexual receptivity in the female lizard, Anolis carolinensis. Tokarz RR, et al. **Endocrinology** 1981 Aug;109(2):451–7

Stimulatory action of prostaglandin F2 alpha on androgen aromatization in the pig follicle. Dodson KS, et al. **Eur J Obstet Gynaecol Reprod Biol** 1980 Sep;11(1):49–56

Inhibition of Friend virus (FVP)-induced murine erythropoiesis with prostaglandin (PGF2 alpha): potentiation and inhibition of erythropoietin and prevention of both with PGD2. Lewis JP, et al. **Exp Hematol** 1981 May;9(5):540–9

Vasotocin, prostaglandin, and female reproductive behavior in the frog, Rana pipiens. Diakow C, et al. **Horm Behav** 1981 Mar;15(1):86–93

Effects of prostacyclin (PGI2), 6-oxo-PGF1 alpha and PGE2 on sympathetic nerve function in mesenteric arteries and veins of the rabbit in vitro. Armstrong JM, et al. **Hypertension** 1979 May-Jun;1(3):309–15

Effect of prostaglandins on mouse erythrocyte rosette-forming human lymphocytes. Misefari A, et al. **Immunopharmacology** 1980 Apr;2(2):109–15

Effect of prostaglandins & inhibitors of prostaglandin biosynthesis on oviposition in the silkmoth Bombyx mori. Settya BN, et al. **Indian J Exp Biol** 1980 May;18(5):539–41

Effects of prostaglandins on some central pharmacological actions of cannabis. Bhattacharya SK, et al. **Indian J Med Res** 1980 Jun;71:955–60

Effects of prostaglandins F2 alpha and E2 on the contractility of non-pregnant human fallopian tube in vitro. Jiffry MT, et al. **Indian J Physiol Pharmacol** 1980 Jul-Sep;24(3):165–9

Infertility induced by prostaglandins in albino rats by adrenergic block in the vas deferens. Chinoy NJ, et al. **Int J Fertil** 1981;26(1):1–7

Detrusor dynamics. II. Effect of prostaglandins and their synthesis inhibitor on stress-relaxation time course. Abdel-Rahman M, et al. **Invest Urol** 1981 Jan;18(4):281–4

Detrusor dynamics. I. Effect of prostaglandin f2 alpha on tension-length relationship. Abdel-Rahman M, et al. **Invest Urol** 1981 Jan;18(4):278–80

Effects of beta adrenergic blockade on histamine and prostaglandin-F2 alpha responsiveness in the dog. Snapper JR, et al. **J Allergy Clin Immunol** 1981 Mar;67(3):199–205

Increased sperm death in the cervix and uterus of estrous ewes after regulation of estrus with prostaglandin or progestogen. Hawk HW, et al. **J Anim Sci** 1981 Mar; 52(3):601–10

Effect of severe hypoxia on the pulmonary vascular response to vasoconstrictor agents. Harabin AL, et al. **J Appl Physiol** 1981 Mar;50(3):561–5

Epidermal growth factor initiates DNA synthesis after a time-dependent sequence of regulatory events in Swiss 3T3 cells--interactions with hormones and growth factors. Otto AM, et al. **J Cell Physiol** 1981 Aug;108(2):145–53

Effects of oestrogen and prostaglandin F2 alpha on luteinizing hormone receptors in human corpora lutea. Nakano R, et al. **J Endocrinol** 1981 Mar;88(3):401–8

Effect of prostaglandin E1 on the level of cAMP in bone marrow macrophages. Inhibition of phagocytosis and cell shape changes. Oropeza-Rendon RL, et al. **J Immunopharmacol** 1980;2(1):133–47

Mechanisms of the natriuretic and diuretic effects of prostaglandin F2 alpha. Zook TE, et al. **J Pharmacol Exp Ther** 1981 Jun;217(3):674–80

Oestrous cycle length and plasma progesterone concentrations following administration of prostaglandin F-2 alpha early in the bovine oestrous cycle. Beal WE, et al. **J Reprod Fertil** 1980 Jul;59(2):393–6

The effect of intra-aortic prostaglandin F-2 alpha on uterine motility in pregnant goats. Cooke RG, et al. **J Reprod Fertil** 1980 Jul;59(2):347–50

LH receptors in ovine corpora lutea in relation to various physiological states and effects PGF-2 alpha on LH-induced steroidogenesis in vitro. Evrard-Herouard M, et al. **J Reprod Fertil** 1981 Jan;61(1):225–33

Assessment of the luteolytic potency of various prostaglandins in the pseudopregnant rabbit. Kehl SJ, et al. **J Reprod Fertil** 1981 May;62(1):117–22

Effect of prostaglandin F-2 alpha on steroidogenesis by porcine corpora lutea. Torday JS, et al. **J Reprod Fertil** 1980 Mar;58(2):301–10

A review of the usage of prostaglandins in pigs. Catton DG. **J S Afr Vet Assoc** 1980 Sep;51(3):185–7

Effects of prostaglandin E2, I2 and F2 alpha on systemic and renal hemodynamics, renal function and renin secretion in anesthetized dogs. Hashimoto T. **Jpn J Pharmacol** 1980 Apr;30(2):173–86

Thromboxane synthetase inhibition as antithrombotic strategy. Vermylen J, et al. **Lancet** 1981 May 16; 1(8229):1073–5

Effect of prolactin and prostaglandins on the stimulation of prolactin binding sites in the male rat liver. Barkey RJ, et al. **Mol Cell Endocrinol** 1981 Feb;21(2):129–38

The effect of prostaglandin F2 alpha and oxytocin on bovine myometrium in vitro. Patil RK, et al. **Nord Vet Med** 1980 Nov;32(11):474–9

Effects of prostaglandins on tumor transplantation. Lupulescu A. **Oncology** 1980;37(6):418–23

Metabolism of 3H-dopamine continuously perfused through push-pull cannulas in rats' brains: modification by amphetamine or prostaglandin F2 alpha. Nielsen JA, et al. **Pharmacol Biochem Behav** 1980 Aug;13(2):235–42

Two growth factors and two hormones regulate initiation of DNA synthesis in cultured mouse cells through different pathways of events. Jimenez de Asua L, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):1004–8

The effect of prostaglandins A2,E1,E2,15 methyl E2, 16, 16 dimethyl E2 and F2 alpha on erythropoiesis. Arce JM, et al. **Prostaglandins** 1981 Mar;21(3):367–77

The degenerative effect on rabbit implantation sites by indomethacin. I. Timing of indomethacin action, possible effect on uterine proteins and the effect of replacement doses of PGF2 alpha. El-Banna AA. **Prostaglandins** 1980 Sep;20(3):587–99

Prostacyclin and blood glucose levels in humans and rabbits. Dembińska-Kieć A, et al. **Prostaglandins** 1981 Jan; 21(1):113–21

Central and peripheral circulatory effects and metabolic effects of different prostaglandins given I.V. to man. Eklund B, et al. **Prostaglandins** 1980 Aug;20(2):333–47

Evaluation of the role of the F prostaglandins in canine bile flow. Kaminski DL, et al. **Prostaglandins** 1980 Aug; 20(2):373–82

The effects of prostaglandins on aqueous humor dynamics. Macri FJ, et al. **Prostaglandins** 1980 Aug;20(2):179–86

Effect of prostaglandins on ornithine decarboxylase activity in the testis of immature rat. Madhubala R, et al. **Prostaglandins** 1980 Sep;20(3):503–13

The effects of prostacyclin (PGI2) and 6-keto-PGF1 alpha on bovine plasma progesterone and LH concentrations. Milvae RA, et al. **Prostaglandins** 1980 Oct;20(4):641–7

Effects of prostaglandins on peripheral progesterone and uterine diamine oxidase in the pregnant hamster. Spilman CH, et al. **Prostaglandins** 1980 Dec;20(6):1061–74

An invitro study on the effect of prostaglandin E2 and F2 alpha on E-rosette forming activity of normal lymphocytes. Erten U, et al. **Prostaglandins Med** 1980 Oct;5(4):255–8

Lack of effect of prostaglandins on rat heart myofibrillar ATPase activity. Pierce GN, et al. **Prostaglandins Med** 1981 Jun;6(6):633–9

The possible mode of action of prostaglandins: XVI. A study to assess the local effect of prostaglandins E1, E2 or F2 alpha in the regulation of male fertility. Rej SK, et al. **Prostaglandins Med** 1980 Jun;4(6):465–70

Inhibition of serum oxytocinase activity by prostaglandins. Roy AC, et al. **Prostaglandins Med** 1981 Jun;6(6):577–87

Effects of prostaglandin-F2 alpha and a plant protein 'Trichosanthin', on 10-day pregnant rabbits. Saksena SK, et al. **Prostaglandins Med** 1980 Nov;5(5):383–90

Prostaglandin F2 alpha effects on the early mouse embryo. Scott JE, et al. **Res Commun Chem Pathol Pharmacol** 1981 Jun;32(3):549–52

Effects of prostaglandin F2a on aggregation of canine platelets. Longenecker GL. **Thromb Res** 1980 May 1–15; 18(3–4):369–74

Effect of gonadotrophin releasing hormone on levels of luteinising hormone in cattle synchronised with dinoprost. Coulson A, et al. **Vet Rec** 1980 Aug 2;107(5):108–9

[The reactivity of placental blood-vessels to prostaglandin F2 alpha (PGF2 alpha) in hypotrophic foetuses in vitro (author's transl)] Jungmannová C, et al. **Cesk Gynekol** 1980 Jul;45(6):394–7 (Eng. Abstr.) **(Cze)**

[The effect of prostaglandins E1 and F1 alpha and indomethacin on haemodynamic and renal endocrine and exocrine function (author's transl)] Lefkos N, et al. **J Pharmacol** 1981 Apr-Jun;12(2):207–10 (Eng. Abstr.) **(Fre)**

[Comparative blood coagulation studies in PGF2a- and 15-methyl-PGF2a-induced therapeutic abortion] During R, et al. **Folia Haematol (Leipz)** 1980;107(3):502–7 (Eng. Abstr.) **(Ger)**

[Effect of prostaglandin F2 on the bladder muscles in women] Gaudenz R. **Fortschr Med** 1980 Sep 25;98(36):1387–90 (Eng. Abstr.) **(Ger)**

[Rate of pregnancies after homologous insemination. Improvement of sperm motility with prostaglandin F2-alpha] Grünberger W, et al. **Fortschr Med** 1981 Apr 2;99(13):468–70 (Eng. Abstr.) **(Ger)**

[The contractile effects of oxytocin, prostaglandin F2 alpha and their combined use on human pregnant myometrium in vitro (author's transl)] Kato Y. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Jan;32(1):75–84 (Eng. Abstr.) **(Jpn)**

[Effects of prostaglandin E1 analogue and prostaglandin F2 alpha on uterine contraction, uterine blood flow and fetal circulation in pregnant and nonpregnant rabbits (author's transl)] Koresawa M. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Jan;33(1):60–6 (Eng. Abstr.) **(Jpn)**

[Cell membrane mechanism of action of prostaglandins E1 and F2 alpha on thrombocyte function] Gabrielian ES, et al. **Biull Eksp Biol Med** 1981 May;91(5):515–7 (Eng. Abstr.) **(Rus)**

[Antiserum reaction to prostaglandin F2 alpha with modified prostaglandins F2] Bezuglov VV, et al. **Dokl Akad Nauk SSSR** 1980;255(4):999–1002 **(Rus)**

[Influence of dicinone and taurine on the effects of prostaglandins] Bunin AIa, et al. **Farmakol Toksikol** 1980 May-Jun;43(3):356–8 (Eng. Abstr.) **(Rus)**

[Effect of prostacyclin and prostaglandins E2 and F2 alpha on the vascular tone and reactivity of the kidneys and extremities] Markov KhM, et al. **Kardiologiia** 1981 Mar; 21(3):75–9 (Eng. Abstr.) **(Rus)**

[Prostaglandins in the regulation of enzyme activity] Kudriavtseva GV. **Usp Sovrem Biol** 1979 Jul-Aug; 88(4):50–66 (148 ref.) **(Rus)**

PHYSIOLOGY

Action of prostaglandin E1 and F2 alpha on the pinocytic activity of horseradish peroxidase in bone-marrow derived macrophages. Oropeza-Rendon RL, et al. **Eur J Cell Biol** 1980 Oct;22(2):761–5

Prostaglandins--an operating factor for infantile diarrhoea--a case report. Thirumalaikolundusubramanian P, et al. **Indian Pediatr** 1980 Feb;17(2):199–200

Physiologic and pathophysiologic aspects of prostaglandin F2 alpha during the reproductive cycle. Stabenfeldt GH, et al. **J Am Vet Med Assoc** 1980 May 15;176(10 Spec No):1187–94

Prostaglandins and follicular functions. Armstrong DT. **J Reprod Fertil** 1981 May;62(1):283–91

Prolongation of the oestrous cycle in cows and ewes after passive immunization with PGF antibodies. Fairclough RJ, et al. **J Reprod Fertil** 1981 May;62(1):213–9

Prostaglandin F-2 alpha functions as a local hormone on human airways. Newball HH, et al. **Respir Physiol** 1980 Aug;41(2):183–97

SECRETION

Relation of naproxen kinetics to effect on platelet prostaglandin release in men and dysmenorrheic women. Tomson G, et al. **Clin Pharmacol Ther** 1981 Feb; 29(2):168–73

Prostaglandin F production by tissue explants from term pregnancies. Lackritz R, et al. **Int J Gynaecol Obstet** 1980 May-Jun;17(6):585–9

Does the local myocardial release of prostaglandin E2 or F2alpha contribute to the early consequences of acute myocardial ischaemia? Coker SJ, et al. **J Mol Cell Cardiol** 1981 Apr;13(4):425–34

Progesterone secretion and prostaglandin F release in vitro by endometrial and luteal tissue of cyclic pigs. Guthrie HD, et al. **J Reprod Fertil** 1980 Sep;60(1):157–63

On the control of prostaglandin release during the bovine estrous cycle. Effects of cloprostenol injections. Kindahl H, et al. **Nord Vet Med** 1980 Nov;32(11):467–73

Effects of hCG on prostaglandin synthesis and function of corpus luteum. Balmaceda JP, et al. **Obstet Gynecol** 1981 Apr;57(4):505–8

The effect of estradiol on isolated rat uterine motility and on prostaglandin generation. Sterin-Speziale N, et al. **Prostaglandins** 1980 Aug;20(2):233–43

Prostaglandins in human duodenal secretions. Casey CE, et al. **Prostaglandins Med** 1980 Jun;4(6):449–51

THERAPEUTIC USE

Dilation and evacuation: a preferred method of midtrimester abortion. Cadesky KI, et al. **Am J Obstet Gynecol** 1981 Feb 1;139(3):329–32

Antiviral and interferon-inducing properties of interferon inducers administered with prostaglandins. Stringfellow DA. **Antimicrob Agents Chemother** 1980 Mar;17(3):455–60

A double blind trial of extra-amniotic oestriol and prostaglandin F2 alpha gels in cervical ripening. Quinn MA, et al. **Br J Obstet Gynaecol** 1981 Jun;88(6):644–9

The value of intravesical prostaglandin E2 and F2 alpha in women with abnormalities of bladder emptying. Delaere KP, et al. **Br J Urol** 1981 Aug;53(4):306–9

Prostaglandin F2 alpha for treatment of pyometra in the mare. Beaufait HE, et al. **J Am Vet Med Assoc** 1981 Feb 1;178(3):306–8

Treatment of feline pyometra with dinoprost. Wiessing J, et al. **NZ Vet J** 1980 Jun;28(6):112

Effects of prostaglandin F2 alpha or oxytocin on serum estriol and its conjugates during induced labor. Young BK, et al. **Prostaglandins Med** 1981 Mar;6(3):257–65

Gastric cytoprotection by prostaglandins, ranitidine, and probanthine in rats. Role of endogenous prostaglandins. Konturek SJ, et al. **Scand J Gastroenterol** 1981;16(1):7–12

Dinoprost in pyometritis in the bitch [letter] Swift GA, et al. **Vet Rec** 1979 Jul 21;105(3):64–5

[First trimester termination of pregnancy. The value of treating the cervix pre-operatively in the primigravid patient by extra-amniotic administration of a single dose of 5-alpha prostaglandin gel (author's transl)] De Grandi P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;

9(5):587–94 (Eng. Abstr.) **(Fre)**

[Intracervical application of prostaglandin F2 alpha gel as low risk method of cervical dilatation for therapeutic abortion (author's transl)] Fritzsche H, et al. **Geburtshilfe Frauenheilkd** 1981 Mar;41(3):237–8 (Eng. Abstr.) **(Ger)**

[Induction of childbirth with an association of prostaglandin F2 alpha an oxytocin] Balbi F, et al. **Minerva Ginecol** 1980 Sep;32(9):805–16 (Eng. Abstr.) **(Ita)**

[The use of prostaglandin F2-alpha in obstetrics] Calderone F, et al. **Minerva Ginecol** 1980 Nov;32(11):965–70 (Eng. Abstr.) **(Ita)**

[Clinical evaluation of prostaglandin F2 alpha (PGF2 alpha) for the postoperative ileus after major abdominal surgery (author's transl)] Nio Y, et al. **Nippon Geka Hokan** 1980 Jul 1;49(4):506–11 (Eng. Abstr.) **(Jpn)**

URINE

Radioimmunoassay for urinary prostaglandins E and F alpha: normal values in different age groups. Benzoni D, et al. **Clin Chim Acta** 1981 Mar 19;111(1):9–16

Interaction of conventional and antikaliuretic diuretics with the renal prostaglandin system. Kramer HJ, et al. **Clin Sci** 1980 Jul;59(1):67–70

Effect of chronic and acute changes in sodium balance on the urinary excretion of prostaglandins E2 and F2 alpha in normal man. Rathaus M, et al. **Clin Sci** 1981 Apr; 60(4):405–10

Diminished urinary prostacyclin metabolite in essential hypertension. Grose JH, et al. **Clin Sci [Suppl]** 1980 Dec; 59 Suppl 6:121s–123s

Age-related differences in the urinary excretion of prostaglandin F2 alpha catabolites in the rat. Pace-Asciak CR, et al. **Experientia** 1980 Jun 15;36(6):635–7

Relevance of urinary 6-keto-prostaglandin F1 alpha determination. Rosenkranz B, et al. **Kidney Int** 1981 Jun; 19(6):755–9 (23 ref.)

Urinary prostaglandins E2 and F2 alpha in healthy newborns, infants, children, and adults. Ignatowska-Switalska H, et al. **Prostaglandins Med** 1980 Oct;5(4):289–96

Urinary prostaglandins in kidney disease. Papanicolaou N, et al. **Prostaglandins Med** 1979 Jul;3(1):47–51

Is low urinary prostaglandin concentration a stage in the development of essential hypertension? Papanicolaou N, et al. **Prostaglandins Med** 1979 Jul;3(1):53–67

[Main urinary metabolite of prostaglandin F levels in patients with several pulmonary diseases (author's transl)] Takahashi W, et al. **Kokyu To Junkan** 1980 Oct; 28(10):1167–73 (Eng. Abstr.) **(Jpn)**

PROSTAGLANDINS F, SYNTHETIC

Termination of early pregnancy in ewes by use of a prostaglandin analogue and subsequent fertility. Tyrrell RN, et al. **Aust Vet J** 1981 Feb;57(2):76–8

In vitro and in vivo effects of a luteolytic prostaglandin (Estrumate, I.C.I. 80996) on rat ovarian adenylate cyclase activity. Wakeling AE, et al. **Biochem Soc Trans** 1981 Feb; 9(1):94–5

ADMINISTRATION & DOSAGE

Vaginal administration of 15-methyl-PGF2 alpha methyl ester for preoperative cervical dilatation. Task force on prostaglandins for fertility regulation. The World Health Organization. **Contraception** 1981 Mar;23(3):251–9

Termination of early gestation with a single vaginal suppository of (15S)-15-methyl-prostaglandin F2alpha methyl ester. Roy S, et al. **Contraception** 1980 Aug; 22(2):137–52

Post-conceptional induction of menses with a single vaginal suppository of (15S)-15-methyl prostaglandin F2 alpha methyl ester. Scher J, et al. **Prostaglandins** 1980 Sep; 20(3):469–79

Milk progesterone profiles and the double injection of cloprostenol in post partum beef cows. Peters AR, et al. **Vet Rec** 1980 Aug 23;107(8):174–7

[Effectiveness of different treatment regimens for inducing labor in sows with prostaglandin F2 alpha] Hühn R, et al. **Arch Exp Veterinaermed** 1980;34(2):167–73 (Eng. Abstr.) **(Ger)**

[Comparison of two intramuscular prostaglandin analogs for inducing abortion in the first pregnancy trimester] Schüssler B, et al. **Gynaekol Rundsch** 1980;20(2):102–9 **(Ger)**

[Priming of cervix with prostaglandin gel during immature birth situation at term (author's transl)] Heinzl S, et al. **Z Geburtshilfe Perinatol** 1980 Dec;184(6):395–400 (Eng. Abstr.) **(Ger)**

[Use of PGF2 alpha to induce abortion in patients with risk factors in first and second thirds of gravidity (author's transl)] Rudolf K, et al. **Zentralbl Gynaekol** 1980; 102(10):575–83 (Eng. Abstr.) **(Ger)**

[F-2-alpha prostaglandin in transcervical administration in induction of labor] Santuari E, et al. **Clin Ter** 1980 Mar 15;92(5):491–6 **(Ita)**

[Use of prostaglandin F2 alpha for induction of uterine contractions] Peteja J. **Ginekol Pol** 1980 Jun;51(6):511–6 (Eng. Abstr.) **(Pol)**

[Prostaglandin regulation of the sex hormone receptor content in human decidual tissue] Iudaev NA, et al. **Probl Endokrinol (Mosk)** 1980;26(6):63–7 (Eng. Abstr.) **(Rus)**

ANALYSIS

Comparison of two high-pressure liquid chromatographic assays for carboprost, a synthetic prostaglandin. Brown LW, et al. **J Pharm Sci** 1980 Dec;69(12):1396–9

BLOOD

The effect of aspirin on endogenous prostaglandin-F2a in dog plasma. Owonubi MO, et al. **VM SAC** 1981 Mar; 76(3):368–71

CHEMICAL SYNTHESIS

C(14)-fluorinated prostaglandins: synthesis and biological evaluation of the methyl esters of (+)-14-fluoro-, (+)-15-epi-14-fluoro-, (+)-13(E)-14-fluror-, and (+)-13(E)-15-epi-14-fluoroprostaglandin F2 alpha. Grieco PA, et al. **J Med Chem** 1980 Oct;23(10):1077–83

Fluoroprostaglandins: synthesis and biological evaluation of the methyl esters of (+)-12-fluoro-, (-)-ent-12-fluoro-, (+)-15-epi-fluoro-, and (-)-ent-15 epi-12-fluoroprostaglandin F2 alpha. Grieco PA, et al. **J Med Chem** 1980 Oct;23(10):1072–7

[Researches on prostanoids. I. Total synthesis of DL-prostaglandin F2 alpha and its omega-ethyl analog (author's transl)] Wu YL, et al. **Yao Hsueh Hsueh Pao** 1981 May;16(5):349–55 (Eng. Abstr.) **(Chi)**

DIAGNOSTIC USE

Supersensitivity to prostaglandin in chronic neurogenic bladders. Kondo A, et al. **Br J Urol** 1980 Aug;52(4):290–4

[Experiences with the use of prostaglandins for abdominal angiography (author's transl)] Rozenshtraukh LS, et al. **Radiol Diagn (Berl)** 1980;21(3):340–4 (Eng. Abstr.) **(Ger)**

METABOLISM

The metabolic fate of the synthetic prostaglandin cloprostenol ('Estrumate') in the cow: use of ion cluster techniques to facilitate metabolite identification. Bourne GR, et al. **Biomed Mass Spectrom** 1980 May;7(5):226–30

Preparation of two dinor-PGI2 metabolites from 6-keto-PGF1 alpha by Mycobacterium rhodochrous. Sun FF, et al. **Prostaglandins** 1980 Oct;20(4):729–33

The disposition and metabolism of the synthetic prostaglandin fluprostenol (ICI 81,008) in the horse. Chapman DI, et al. **Xenobiotica** 1980 Sep;10(9):715–23

[Antiserum reaction to prostaglandin F2 alpha with modified prostaglandins F2] Bezuglov VV, et al. **Dokl Akad Nauk SSSR** 1980;255(4):999–1002 **(Rus)**

PHARMACODYNAMICS

The effect of prostaglandin F2 alpha on oxytocin-induced intramammary pressure in lactating ewes. Barowicz T. **Acta Physiol Pol** 1981 Mar-Apr;32(2):121–5

Progesterone monitoring of anestrous dairy cows and subsequent treatment with a prostaglandin F2 alpha analog or gonadotropin-releasing hormone. Humblot P, et al. **Am J Vet Res** 1980 Nov;41(11):1762–6

The influence of prostaglandins on non-specifically stimulated human lymphocytes. Giełdanowski J. **Arch Immunol Ther Exp (Warsz)** 1980;28(3):459–63

In vitro effect of prostaglandins on corticosterone and aldosterone production by frog interrenal gland. Delarue C, et al. **Biochem Biophys Res Commun** 1981 May 29; 100(2):769–77

Blockade of luteal prostaglandin F release in vitro during cloprostenol-induced luteolysis in the pig. Guthrie HD, et al. **Biol Reprod** 1980 Sep;23(2):358–62

Cardiovascular and sympathetic responses to PGF2 alpha injection into hypothalamic nuclei. Feuerstein G, et al. **Brain Res Bull** 1981 Mar;6(3):203–7

Stimulatory action of prostaglandin F2 alpha on androgen aromatization in the pig follicle. Dodson KS, et al. **Eur J Obstet Gynaecol Reprod Biol** 1980 Sep;11(1):49–56

Coagulation changes during management of fetal death with 15(s)-15-methylprostaglandin F2 alpha. Keirse MJ, et al. **Eur J Obstet Gynaecol Reprod Biol** 1980 Sep;11(1):43–8

Effects of PMSG and the prostaglandin F-2 alpha analogue, cloprostenol, on superovulation, fertilization and egg transport in the ewe. Whyman D, et al. **J Reprod Fertil** 1980 Nov;60(2):267–72

A review of the usage of prostaglandins in pigs. Catton DG. **J S Afr Vet Assoc** 1980 Sep;51(3):185–7

On the control of prostaglandin release during the bovine estrous cycle. Effects of cloprostenol injections. Kindahl H, et al. **Nord Vet Med** 1980 Nov;32(11):467–73

Hemodynamic and respiratory effects of 18,19,20 trinor-17 cyclohexyl -13,14 dehydro PGF2alpha methyl ester. Chiara O, et al. **Pharmacol Res Commun** 1981 Jan; 13(1):23–35

Central and peripheral circulatory effects and metabolic effects of different prostaglandins given I.V. to man. Eklund B, et al. **Prostaglandins** 1980 Aug;20(2):333–47

Pressure-regulating effects of prostaglandin E2, F2 alpha and cholecystokinin on canine choledochal and pancreatic ducts in vivo. Poczik M. **Prostaglandins** 1980 May; 19(5):737–45

Inhibition of the monkey corpus luteum with 15-methyl prostaglandins. Wilks JW. **Prostaglandins** 1980 Nov; 20(5):793–805

Effects of (15S)-15-methyl prostaglandin E2 alpha methyl ester and estrogens upon the corpus luteum and conceptus of the rhesus monkey. Wilks JW. **Prostaglandins** 1980 Nov; 20(5):807–23

A new selective antagonist of prostaglandins: 20-methyl-13,14-didehydro-PGF2 alpha. Ceserani R, et al. **Prostaglandins Med** 1979 Jun;2(6):455–7

Effect of 17 phenyl PGF2 alpha on nasal patency in man. Karim SM, et al. **Prostaglandins Med** 1979 Jul;3(1):33–7

Inhibition of ovulation and fertilization by indomethacin and effect of prostaglandin-F2 alpha on early pregnancy in the rabbit. Lau IF, et al. **Prostaglandins Med** 1979 Jun; 2(6):425–31

Low doses of prostaglandin F2alpha (PGF2alpha) stimulate prostacyclin (PGI2) production in the mesenteric circulation of the PIG. Schrauwen E, et al. **Prostaglandins Med** 1979 Aug;3(2):95–6

Induction of human luteolysis by high dose infusions of 150methyl PGF2 alpha. Toppozada M, et al. **Prostaglandins Med** 1981 Feb;6(2):203–11

Effects of four prostaglandin analogues on menstrual cycle length and peripheral levels of 17 beta-oestradiol and progesterone in the chacma baboon. Rall HJ, et al. **S Afr Med J** 1981 Apr 25;59(18):637–9

Fertility of cloprostenol treated dairy cows. Drew SB, et al. **Vet Rec** 1980 Jul 26;107(4):88–9

[18,19,20-trinor-17-cyclohexyl-13,14-dehydro PGF 2 alpha methylester as the cause of hypertension in pulmonary circulation] Chiara O, et al. **Boll Soc Ital Biol Sper** 1980 Nov 15;56(21):2228–33 (Eng. Abstr.) **(Ita)**

[Modifications of the respiratory mechanism induced by administration of 18, 19, 20-trinor-17-cyclohexyl-13, 14-dehydro PGF 2 alpha methyl ester] Clement MG, et al. **Boll Soc Ital Biol Sper** 1980 Nov 15;56(21):2223–7 (Eng. Abstr.) **(Ita)**

[Renin secretion by rat and rabbit kidneys under the influence of prostaglandins] Markov KhM, et al. **Patol Fiziol Eksp Ter** 1980;(4):11–4 (Eng. Abstr.) **(Rus)**

[Effect of prostaglandins F2 alpha and E2 on bladder function (an experimental study)] Vishnevskii EL, et al. **Urol Nefrol (Mosk)** 1980 Nov-Dec;(6):40–2 **(Rus)**

THERAPEUTIC USE

Study of intravesical instillation of 15(S)-15 methyl prostaglandin F2-alpha in patients with neurogenic bladder dysfunction. Vaidyanathan S, et al. **J Urol** 1981 Jul; 126(1):81–5

Use of an analog of prostaglandin F2 alpha (ONO-1052) in cows with luteinized ovarian cysts following treatment with an analog of luteinizing hormone-releasing hormone (TAP-031) and/or polyvinyl pyrrolidone-iodine solution. Nakao T, et al. **Nippon Juigaku Zasshi** 1980 Jun;42(3):373–5

Control of intractable atonic postpartum hemorrhage by 15-methyl prostaglandin F2 alpha. Toppozada M, et al. **Obstet Gynecol** 1981 Sep;58(3):327–30

Prostaglandins. Their potential in clinical medicine. Zurier RB. **Postgrad Med** 1980 Sep;68(3):70–81

Prostaglandins for the management of anencephalic pregnancy. Thiery M, et al. **Prostaglandins** 1981 Feb; 21(2):207–15

Missed abortion, hydatidiform mole and intra-uterine fetal death treated with 15-methyl-prostaglandin F 2-alpha. Boes EG. **S Afr Med J** 1980 Nov 29;58(22):878–80

Treatment of infertility in the mare with fluprostenol. Schultz RH, et al. **VM SAC** 1981 Jun;76(6):885–8

[Comparative blood coagulation studies in PGF2a- and 15-methyl-PGF2a-induced therapeutic abortion] During R, et al. **Folia Haematol (Leipz)** 1980;107(3):502–7 (Eng. Abstr.) **(Ger)**

[Effectiveness and side-effects of intracervical application of prostaglandin F2-alpha-gel in the early weeks of pregnancy (author's transl)] Neeb U. **Geburtshilfe Frauenheilkd** 1980 Oct;40(10):901–3 (Eng. Abstr.) **(Ger)**

[Prostaglandins in obstetrics and gynecology] Ritzmann H. **ZFA (Stuttgart)** 1980 Sep 20;56(26):1634–6 **(Ger)**

[Use of prostin F2 alpha for the induction of uterine contractions] Kuźniar B. **Ginekol Pol** 1980 Aug; 51(8):747–52 (Eng. Abstr.) **(Pol)**

PROSTAGLANDINS G see under **PROSTAGLANDIN ENDOPEROXIDES**

PROSTAGLANDINS H see under **PROSTAGLANDIN ENDOPEROXIDES**

PROSTAGLANDINS, SYNTHETIC

ADMINISTRATION & DOSAGE

Manipulation of duration of action of a synthetic prostaglandin analogue (TPT) assessed in the pregnant beagle bitch. Vickery BH, et al. **Prostaglandins Med** 1980 Aug;5(2):93–100

CHEMICAL SYNTHESIS

New prostacyclin analogues. Bartmann W, et al. **Angew Chem [Engl]** 1980;19(10):819–20

Azaprostaglandin analogues. Synthesis and biological properties of 11-azaprostaglandin derivatives. Barco A, et al. **J Med Chem** 1981 May;24(5):625–8

The synthesis of dimethylphosphonoprostaglandin analogs. Kluender HC, et al. **Prostaglandins Med** 1979 Jun;

2(6):441-4

IMMUNOLOGY

Antibodies to 5,6-dihydroprostaglandin I2 trap endogenously produced prostaglandin I2 in the rat circulation. Pace-Asciak CR, et al. **Biochim Biophys Acta** 1980 Nov 7;620(2):186-92

PHARMACODYNAMICS

Modification of convulsive behaviour and body temperature in mice by intracerebroventricular administration of prostaglandins, arachidonic acid and the soluble acetylsalicylic acid salt lysine acetylsalicylate. Climax J, et al. **Arch Int Pharmacodyn Ther** 1981 Apr;250(2):254-65

Effect of prostaglandins on phosphorylase b. Sotiroudis TG, et al. **Biochim Biophys Acta** 1981 Apr 14;658(2):270-9

Analysis of the biological activity of azoprostanoids in human platelets. Gorman RR, et al. **Fed Proc** 1981 May 15; 40(7):1997-2000

Interactions between PGBx and disophenol in the isolated perfused rat heart. Aronson CE. **Gen Pharmacol** 1981; 12(4):249-53

Prostaglandins and the contractility of the guinea pig biliary system. Nakata K, et al. **Pharmacology** 1981;22(1):24-30

Vascular relaxing activity and stability studies of 10,10-difluoro-13,14-dehydroprostacyclin. Hatano Y, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6846-50

Prostacyclin analogues inhibit canine parietal cell activity and cyclic AMP formation. Soll AH, et al. **Prostaglandins** 1981 Feb;21(2):353-65

dl-9a-Deoxy-9a-methylene-PGI2 (a stable prostacyclin derivative): preliminary pharmacological data. Ceserani R, et al. **Prostaglandins Med** 1980 Aug;5(2):131-9

Vasodilation and inhibition of platelet aggregation by prostacyclins with modified omega-side chain. Schölkens BA, et al. **Prostaglandins Med** 1979 Jul;3(1):7-22

Effects of three prostaglandin analogues on lysosomal enzyme activities and ultrastructural morphology of luteal cells in the chacma baboon. Rall JH, et al. **S Afr Med J** 1981 Apr 25;59(18):633-7

[Thrombocyte function and systemic effect of prostaglandin I2 inhalation] Silberbauer K, et al. **Acta Med Austriaca [Suppl]** 1979;6:401-3 (Eng. Abstr.) **(Ger)**

[Clinical aspects of cytoprotection with prostaglandin analogs] Simon B, et al. **Z Gastroenterol** 1980 Jun; 18(6):320-4 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

The effect of clinical prostacyclin infusions in advanced arterial disease on platelet function and plasma 6-keto PGF1 alpha levels. Machin SJ, et al. **Br J Haematol** 1981 Mar;47(3):413-22

Effect of prostacyclin on antigen induced immediate bronchoconstriction in asthmatic patients. Bianco S, et al. **Prostaglandins Med** 1979 Jul;3(1):39-45

[Prostaglandins and peptic ulcer disease] Martino P, et al. **Minerva Med** 1980 Sep 1;71(31):2199-204 (45 ref.) (Eng. Abstr.) **(Ita)**

[Prostacyclins and the development and treatment of arteriosclerosis] Szczeklik A. **Kardiol Pol** 1980;23(7):537-46 **(Pol)**

[Prospects for the use of prostaglandins in pediatric cardiology] Zaorska B. **Kardiol Pol** 1981;24(2):167-72 (30 ref.) (Eng. Abstr.) **(Pol)**

[Prostaglandins and the treatment of congenital heart defects] Sharykin AS. **Pediatriia** 1981 Mar;(3):66-8 (36 ref.) **(Rus)**

PROSTAGLANDINS X see under **PROSTAGLANDINS**

PROSTANOIC ACIDS see under **FATTY ACIDS**

PROSTATE

ANALYSIS

Inhibin in the human prostate. Sheth AR, et al. **Arch Androl** 1981 Jun;6(4):317-21

Determination of putrescine, spermine and spermidine in human tissues of prostate and kidney. Dunzendorfer U, et al. **Arzneimittelforsch** 1980;30(10):1801-4

Isolation of an androgen acceptor from salt extract of rat prostatic chromatin. Hiremath ST, et al. **Biochem Biophys Res Commun** 1980 Dec 16;97(3):981-6

Prostatic binding protein: an androgen-dependent marker for prostate epithelial cells. McKeehan WL, et al. **Biochem Biophys Res Commun** 1980 Jul 31;95(2):674-81

Thyrotropin-releasing hormone and a homologous peptide in the male rat reproductive system. Pekary AE, et al. **Biochem Biophys Res Commun** 1980 Aug 14;95(3):993-1000

Nuclear androgen receptors in human prostatic tissue. Extraction with heparin and estimation of the number of binding sites with different methods. Foekens JA, et al. **Clin Chim Acta** 1981 Jan 8;109(1):91-102

The isolation and characterisation of nerve growth factor from the prostate gland of the guinea-pig. Chapman CA, et al. **Eur J Biochem** 1981 Apr;115(2):347-51

Structural studies on rat prostatic binding protein. The primary structure of its glycosylated component C3. Peeters B, et al. **Eur J Biochem** 1981 Mar 16;115(1):115-21

Concentration and content of zinc in the human prostate. Leissner KH, et al. **Invest Urol** 1980 Jul;18(1):32-5

Methods for the determination of androgen receptor content in human prostatic tissue. Trachtenberg J, et al. **Invest Urol** 1981 Mar;18(5):349-54

Presence of 'prostatic' acid phosphatase in human neutrophils. Yam LT, et al. **Invest Urol** 1981 Jul;19(1):34-8

Biochemical homology between rat dorsal prostate and coagulating gland. Purification of a major androgen-induced protein. Wilson EM, et al. **J Biol Chem** 1980 Nov 25;255(22):10946-53

Distribution of acceptor sites for androgen-receptor complexes between transcriptionally active and inactive fractions of rat ventral prostate chromatin. Davies P, et al. **J Endocrinol** 1980 Nov;87(2):225-40

Tissue levels of free monosubstituted guanidines in human benign prostatic hypertrophy. van Sande M, et al. **Urol Res** 1981;9(3):143-5

Mitogenic factor in human prostate extracts. Jacobs SC, et al. **Urology** 1980 Nov;16(5):488-91

Correlation between clinical response to antiandrogenic therapy and occurrence of receptors in human prostatic cancer. Martelli A, et al. **Urology** 1980 Sep;16(3):245-9

[Free amino acids and ninhydrin-positive substances in human prostatic tissue] Van Camp K, et al. **Verh K Acad Geneeskd Belg** 1980;42(2):105-34 (Eng. Abstr.) **(Dut)**

[Organ-specific human prostate beta-globulin during tumor growth] Nikolaev AA, et al. **Biull Eksp Biol Med** 1980 Nov;90(11):583-6 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

The effect of internal iliac artery embolization of the prostatic gland in the dog. Darewicz J, et al. **Int Urol Nephrol** 1980; 12(1):37-41

The histology of the dorsal, lateral, and medial prostatic lobes in man. Salander H, et al. **Invest Urol** 1981 May; 18(8):479-83

Prostate cancer. Morphology in health and disease. Blacklock NJ. **Recent Results Cancer Res** 1981;78:20-8

Stereological analysis of the dog prostate (analytical model). Rohr HP, et al. **Urol Res** 1981;9(4):193-9

Normal and pathologic anatomy of prostate. McNeal JE. **Urology** 1981 Mar;17(Suppl 3):11-6

[Histological and cell kinetic studies of the growth of rat prostate of various ages] Stiens R, et al. **Acta Anat (Basel)** 1981 Jan;109(1):79-88 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

[Apparent penetration of the arteries into the prostatic capsule in man] Ambrósio JD, et al. **Rev Paul Med** 1980 May-Jun;95(5-6):98-100 (Eng. Abstr.) **(Por)**

[Origin of prostatic arteries in man] Ambrósio JD, et al. **Rev Paul Med** 1980 Sep-Oct;96(3-4):52-5 (Eng. Abstr.) **(Por)**

CYTOLOGY

Isolation, culture and characterization of epithelial cells derived from rat ventral prostate. Douglas WH, et al. **Anat Rec** 1980 Jun;197(2):239-56

Changes in the cytoplasmic androgen receptor of rat ventral prostate after administration of androgens, antiandrogens and anabolic steroids. Ichii S. **Endocrinol Jpn** 1980 Aug; 27(4):483-93

Reaction of immature rat testes and prostate on 7s immunoglobuline isolated from antitesticular cytotoxic serum. Zelenskaya TM, et al. **Folia Morphol (Praha)** 1981; 29(2):124-7

Prostate epithelial cell culture. Application to a possible nonhuman primate model of prostate disease. Lewis RW, et al. **Invest Urol** 1981 Jan;18(4):251-7

Differential effects of estramustine phosphate upon cell proliferation in mouse accessory sex glands. Alison MR, et al. **J Endocrinol** 1980 Nov;87(2):203-12

Primary cultures of human prostate. Franks LM. **Methods Cell Biol** 1980;21:153-69 (56 ref.)

Long-term explant culture of normal human prostate. Heatfield BM, et al. **Methods Cell Biol** 1980;21:171-94

Normal human prostate epithelial cell cultures. Lechner JF, et al. **Methods Cell Biol** 1980;21:195-225

The culture of hormone-dependent epithelial cells from the rat ventral prostate. Burleigh BD, et al. **Mol Cell Endocrinol** 1980 Aug;19(2):183-96

Characterization of canine prostatic cells from normal and hyperplastic glands. Chevalier S, et al. **Mol Cell Endocrinol** 1980 Oct;20(1):59-70

DRUG EFFECTS

A model for studies on the response of the ventral prostate to oestrogens. Corrales JJ, et al. **Acta Endocrinol (Copenh)** 1981 May;97(1):125-36

Effects of subtoxic levels of lead and cadmium on urogenital organs of male rats. Fahim MS, et al. **Arch Androl** 1980 Jun;4(4):357-62

Anti-prostatic activity of bifluranol, a fluorinated bibenzyl. Dekanski JB. **Br J Pharmacol** 1980;71(1):11-6

Antigonadotropic activity of two fractions of melatonin-free pineal extract separated by ultrafiltration. Damian E, et al. **Endocrinologie** 1980 Oct-Dec;18(4):243-6

The effect of antiestrogen, antiandrogen, and the prolactin inhibitor 2 bromo-alpha-ergocriptine on the stromal tissue of human benign prostatic hyperplasia. Correlation of stereological data and plasma hormones. Bartsch G, et al. **Invest Urol** 1981 Jan;18(4):308-12

Differences in the effects of estradiol on dihydrotestosterone induced prostatic growth of the castrate dog and rat. Ehrlichman RJ, et al. **Invest Urol** 1981 May;18(8):466-70

Morphometric analysis of prostates in castrated dogs after treatment with androstanediol, estradiol, and cyproterone acetate. Tunn UW, et al. **Invest Urol** 1981 Jan;18(4):289-92

Additive inhibitory effects of treatment with an LHRH agonist and an antiandrogen on androgen-dependent tissues in the rat. Séguin C, et al. **Mol Cell Endocrinol** 1981 Jan; 21(1):37-41

Effects of prenatal maternal estrogen on the male urogenital system. Driscoll SG, et al. **Obstet Gynecol** 1980 Nov; 56(5):537-42

The effect of oestrogen on stromal growth of the dog prostate: a quantitative ultrastructural study. Rohr HP, et al. **Urol Res** 1981;9(4):201-7

The alpha-adrenergic blocking effect of prazosin on the human prostate. Shapiro A, et al. **Urol Res** 1981 Mar 17; 9(1):17-20

[Effect of chorionic gonadotropin on the rat prostate I] Bertana F. **Chir Ital** 1980 Apr;32(2):466-75 (Eng. Abstr.) **(Ita)**

[Action of pituitary gonadotropin on the rat prostate. II.] Bertana F. **Chir Ital** 1980 Apr;32(2):476-82 (Eng. Abstr.) **(Ita)**

EMBRYOLOGY

Prostatic induction: interaction of epithelium and mesenchyme from normal wild-type mice and androgen-insensitive mice with testicular feminization. Lasnitzki I, et al. **J Endocrinol** 1980 Jun;85(3):423-8

Development of human fetal prostate in culture. Kellokumpu-Lehtinen P, et al. **Urol Res** 1981 Apr 24; 9(2):89-98

ENZYMOLOGY

Light and electron microscope histochemistry of alkaline phosphatase in the ventral prostate of rats. Kimura M, et al. **Acta Histochem (Jena)** 1980;66(2):204-13

Prostatic histogenesis of metastases [letter] Ablin RJ. **Am J Clin Pathol** 1981 Jan;75(1):129-30

Radioimmunoassay of human prostate-specific acid phosphatase. A sensitive and specific assay for semen detection in forensic medicine. Vihko P, et al. **Am J Clin Pathol** 1981 Feb;75(2):219-20

Prostatic origin of pyruvate kinase activity in human seminal plasma. Boonsaeng V, et al. **Andrologia** 1980 Nov-Dec; 12(6):559-63

Histochemistry of some steroid-dehydrogenases in epithelia of human seminal vesicle, deferential ampulla, and prostate gland. Sirigu P, et al. **Arch Androl** 1981 Aug;7(1):9-13

Cytochemistry and biochemistry of acid phosphatases. III. Inhibition experiments of lysosomal and secretory acid phosphatases of the rat ventral prostate. Seitz J, et al. **Basic Appl Histochem** 1981;25(2):95-104

Lactate dehydrogenase isoenzymes in benign and malignant prostatic tissues. Mazzuca A, et al. **Boll Soc Ital Biol Sper** 1980 Apr 15;56(7):690-2

Aryl hydrocarbon hydroxylase in human prostate. Kahng MW, et al. **Chem Biol Interact** 1981 Mar 1;34(2):249-56

Studies on human prostatic acid phosphatase. III. The effects of alcohols on human erythrocyte acid phosphatase and on human prostatic acid phosphatase. Sawada H, et al. **Chem Pharm Bull (Tokyo)** 1980 Dec;28(12):3466-72

Prostate-specific acid phosphatase [letter] Ablin RJ. **Clin Chem** 1980 Oct;26(11):1632-3

Double-antibody immunoenzyme assay for human prostatic acid phosphatase. Choe BK, et al. **Clin Chem** 1980 Dec; 26(13):1854-9

Stability of prostatic acid posphatase in normal human sera [letter] Josephson L, et al. **Clin Chem** 1980 Oct;26(11):1631

Immunochemical evaluation of the organ specificity of prostatic acid phosphatase. Shaw LM, et al. **Clin Chem** 1981 Sep;27(9):1505-12

Rapid radioimmunoassay for prostate-specific acid phosphatase in human serum. Vihko P, et al. **Clin Chem** 1980 Oct;26(11):1544-7

The evaluation of a new enzyme immunoassay for the measurement of prostatic acid phosphatase. Cooper EH, et al. **Clin Chim Acta** 1981 Jun 2;113(1):27-34

Enzyme measurements by mass: an interim review of the clinical efficacy of some mass measurements of prostatic acid phosphatase and isoenzymes of creatine kinase. Henderson AR, et al. **Clin Chim Acta** 1981;115(1):9-32 (72 ref.)

Cofactor dependency of soluble 3 alpha-hydroxysteroid oxidoreductases in rat testis, prostate, and epididymis. Hastings CD, et al. **Endocrinology** 1980 Dec;107(6):1762-6

Androgen control of an inhibitory modulator of phosphodiesterase in rat epididymis and prostate. Holtz A, et al. **Endocrinology** 1981 Apr;108(4):1538-44

Partial purification and differential androgen sensitivity of protein phosphokinases from nuclei of rat ventral prostate. Goueli SA, et al. **Eur J Biochem** 1980 Dec;113(1):45-51

Dicyclohexylamine, a potent inhibitor of spermidine synthase in mammalian cells. Hibasami H, et al. **FEBS Lett** 1980

Jul 11;116(1):99–101

Physico-chemical characterization of the soluble 3 alpha-hydroxysteroid oxidoreductase in the rat testis and prostate. Hastings CD, et al. **Int J Androl** 1980 Feb; 3(1):72–81

Influence of thyroidectomy on glycolytic enzymes in seminal vesicles and ventral prostate. Kumari GV, et al. **Int J Androl** 1980 Feb;3(1):66–71

Antigenic and molecular relationship of human prostatic acid phosphatase isoenzymes. Lam KW, et al. **Invest Urol** 1980 Nov;18(3):209–11

Differential polyamine inhibition of Met-tRNAMetf deacylation by prostate enzymes. Mezzetti G. **Ital J Biochem** 1981 Jan–Feb;30(1):90–8

The determination of acid phosphatase of prostatic origin with the Automatic Clinical Analyzer (ACA, DuPont). van Rijn HJ, et al. **J Clin Chem Clin Biochem** 1980 Oct; 18(10):627–30

Induction of aryl hydrocarbon hydroxylase activity in the rat prostate glands by 2,3,7,8-tetrachlorodibenzo-p-dioxin. Lee IP, et al. **J Pharmacol Exp Ther** 1980 Dec;215(3):601–5

Importance of 5 alpha-reduction for the trophic effects of androgens on rat accessory sex organs and LH control. Lotz W. **J Steroid Biochem** 1980 Nov;13(11):1261–4

Interferences of zearalenone, zearalanol or estradiol-17 beta with the steroid-metabolizing enzymes of the human prostate gland. Thouvenot D, et al. **J Steroid Biochem** 1980 Nov;13(11):1337–45

Prostatic acid phosphatase by radioimmunoassay. Sensitivity compared with enzymatic assay. Lindholm GR, et al. **JAMA** 1980 Nov 7;244(18):2071–3

Assessment of radioimmunoassay of serum creatine kinase BB (CK-BB) as a tumor marker: studies in patients with various cancers and a comparison of CK-BB concentrations to prostate acid phosphatase concentrations. Zweig MH, et al. **JNCI** 1981 May;66(5):659–62

Small doses of 5 alpha-dihydrotestosterone mimic the effects of 5 alpha-androstane-3 beta, 17 beta-diol on acid phosphatase activity in the adult rat prostate gland. Tenniswood MP, et al. **Mol Cell Endocrinol** 1981 May; 22(2):223–9

Effects of androgens on isoproterenol-sensitive adenylate cyclase system of the rat prostate. Shima S, et al. **Mol Pharmacol** 1980 Jul;18(1):45–8

Modern concepts of acid and alkaline phosphatase measurement. Beckley S, et al. **Scan J Urol Nephrol [Suppl]** 1980;55:65–70

Enzyme immunoassay for the prostate-specific acid phosphatase (E. C. 3.1.3.2). Bauer HW, et al. **Urol Res** 1981 Mar 17;9(1):21–4

[The diagnostic value of the radioimmunological estimation of prostatic acid phosphatase. Comparative value of the measurement of enzyme activity (author's transl)] Tellier JL, et al. **J Urol (Paris)** 1981;87(3):169–73 (Eng. Abstr.) **(Fre)**

[Studies on acid phosphatase in prostatic cancer. III. Production of specific antibody against human prostatic acid phosphatase (author's transl)] Morishita N. **Nippon Hinyokika Gakkai Zasshi** 1980 Jun;71(6):562–6 (Eng. Abstr.) **(Jpn)**

[Studies on acid phosphatase in prostatic cancer. IV. Immunochemical assay of prostatic acid phosphatase (author's transl)] Morishita N. **Nippon Hinyokika Gakkai Zasshi** 1980 Jun;71(6):567–71 (Eng. Abstr.) **(Jpn)**

[A study of 3-hydroxy-3-methylglutaryl coenzyme A reductase activity in rat prostate (author's transl)] Tajika E. **Nippon Hinyokika Gakkai Zasshi** 1981 Feb;72(2):212–20 (Eng. Abstr.) **(Jpn)**

[The development of determining human prostatic acid phosphatase by radioimmunoassay (author's transl)] Morikawa J, et al. **Radioisotopes** 1980 Apr;29(4):175–80 (Eng. Abstr.) **(Jpn)**

[Activity of energy metabolism enzymes and their isoenzymic spectra in normal prostate and testis tissue and in experimental prostatitis] Petrun' NM, et al. **Ukr Biokhim Zh** 1980 Nov–Dec;52(6):711–6 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Ontogeny of the cytoplasmic androgen receptor in the rat ventral prostate gland. Rajfer J, et al. **Biol Reprod** 1980 Oct;23(3):518–21

Observations on ascorbic acid content & cholesterol in male rat reproductive tissues. Mukkadan JK. **Indian J Exp Biol** 1980 Oct;18(10):1186–8

IMMUNOLOGY

Quantitation of prostate-specific antigen in serum by a sensitive enzyme immunoassay. Kuriyama M, et al. **Cancer Res** 1980 Dec;40(12):4658–62

Use of a solid-phase radioimmunoassay and formalin-fixed whole bacterial antigen in the detection of antigen-specific immunoglobulin in prostatic fluid. Shortliffe LM, et al. **J Clin Invest** 1981 Mar;67(3):790–9

The detection of a local prostatic immunologic response to bacterial prostatitis. Shortliffe LM, et al. **J Urol** 1981 Apr; 125(4):509–15

Prostatic-specific antigen helps establish origin of certain tumors [news] **JAMA** 1981 Jun 19;245(23):2377

Prostate antigen: a marker for human prostate epithelial cells. Papsidero LD, et al. **JNCI** 1981 Jan;66(1):37–42

INNERVATION

Benign glandular inclusion in prostatic nerve. Cramer SF. **Am J Clin Pathol** 1981 Jun;75(6):854–5

Prostatic perineural space [letter] Schmidt WA. **Am J Surg Pathol** 1980 Dec;4(6):605–6

METABOLISM

Sorbitol in the accessory glands of the diabetic male rat. Paz GF, et al. **Acta Diabetol Lat** 1980 Jul–Dec;17(3–4):229–35

Testosterone, dihydrotestosterone and androstanediols in plasma, testes and prostates of rats during development. Corpéchot C, et al. **Acta Endocrinol (Copenh)** 1981 Jan; 96(1):127–35

High concentration of immunoreactive calcitonin of prostatic origin in human semen. Sjöberg HE, et al. **Acta Physiol Scand** 1980 Sep;110(1):101–2

Concentration of cefaclor in human prostatic tissue. Smith RP, et al. **Am J Med Sci** 1981 Jan–Feb;281(1):19–24

Effect of testosterone propionate on protein synthesis by two-dimensional electrophoresis in rat ventral prostate. Carter DB, et al. **Arch Androl** 1981 Mar;6(2):133–40

Inhibition of testosterone metabolism by medrogestone in rat ventral prostate in vivo and in vitro. Jagarinec N, et al. **Arch Androl** 1981 Aug;7(1):39–44

Dihydrotestosterone receptors in the human prostate. I. Nuclear concentration in normal, benign, and malignant tissues. Lehoux JG, et al. **Arch Androl** 1980 Nov; 5(3):237–48

Phosphorylation of a nonhistone protein fraction which coextracts with the high-mobility-group proteins of chromatin. Ahmed K, et al. **Biochem Biophys Res Commun** 1980 Sep 16;96(1):326–32

Androgenic regulation of 5'-deoxy-5'-methylthioadenosine concentrations and methylthioadenosine phosphorylase activity in relation to polyamine metabolism of rat prostate. Seidenfeld J, et al. **Biochem Biophys Res Commun** 1980 Aug 29;95(4):1861–8

The loosely bound non-histone chromosomal proteins of rat prostate in androgen action. Hiremath ST, et al. **Biochim Biophys Acta** 1981 Mar 26;653(1):130–8

Androgen-induced replication of prostate chromatin DNA. Isolation and electron microscopic visualization of replicative intermediates. Majumdar CA, et al. **Biochim Biophys Acta** 1981 Aug 27;655(1):61–70

A study of cefamandole prostatic tissue levels. Kaisary AV. **Br J Urol** 1981 Aug;53(4):336–8

Influence of sex hormones on prostatic secretion protein, a major protein in rat prostate. Pousette A, et al. **Cancer Res** 1981 Feb;41(2):688–90

The major androgen-dependent protein in rat ventral prostate binds polycyclic aromatic hydrocarbons. McKeehan WL, et al. **Cell Biol Int Rep** 1981 Jan;5(1):2

Changes in dihydrotestosterone metabolism associated with the development of canine benign prostatic hyperplasia. Isaacs JT, et al. **Endocrinology** 1981 Feb;108(2):445–53

Actions of androgen and estrogen on collagen levels in male accessory sex organs. Mariotti A, et al. **Endocrinology** 1981 Sep;109(3):837–43

Citrate synthesis from fatty acids and amino acids in rat ventral prostate. Toghrol F, et al. **Enzyme** 1980;25(6):371–6

C19-Steroid metabolism by canine prostate, epididymis and perianal glands. Application of the twin-ion technique of gas chromatography/mass spectrometry to establish 7 alpha-hydroxylation. Morfin RF, et al. **Eur J Biochem** 1980 Aug;109(1):119–27

Androgen metabolism within the lobes of rhesus monkey prostate. Ghanadian R, et al. **Eur Urol** 1981;7(2):89–91

Early effect of testosterone on prostatic poly(A)RNA and its translation. Hiremath ST, et al. **Exp Cell Res** 1981 Jul; 134(1):193–200

Recovery of free androgens in the rat prostate in vivo and in vitro after treatment with orally active testosterone undecanoate (TU). Horst HJ, et al. **Horm Metab Res** 1980 Oct;12(10):541–5

Early prostatic carcinoma [letter] Dollberg L. **Hum Pathol** 1980 Nov;11(6):688–9

Testosterone & accessory sex gland lipids. Umapathy E, et al. **Indian J Exp Biol** 1980 Oct;18(10):1211–3

Effects of Colprone on in vitro release of androgens from the reproductive organs of the male rat. Lau IF, et al. **Int J Androl** 1981 APr;4(2):291–6

The distribution and uptake by the prostate gland of a high specific activity 125I-labelled 16 alpha-iodo-oestradiol in the rat. Eakins MN. **Int J Appl Radiat Isot** 1981 Jan; 32(1):58–9

Effect of endocrine manipulations on the levels of cytosolic and nuclear receptors for androgens in dog prostate. Dube JY, et al. **Invest Urol** 1981 May;18(8):418–21

Histochemical observation of F 1881 binding protein in human benign prostatic hypertrophy. Naito H, et al. **Invest Urol** 1981 Mar;18(5):337–40

The effect of manipulation of the prostate gland on serum prostate-specific acid phosphatase measured by radioimmunoassay. Vihko P, et al. **Invest Urol** 1981 Mar; 18(5):334–6

Inhibition of 5 alpha-reductase, receptor binding, and nuclear uptake of androgens in the prostate by a 4-methyl-4-aza-steroid. Liang T, et al. **J Biol Chem** 1981 Aug 10;256(15):7998–8005

Distribution and concentrations of androgens in epithelial and stromal compartments of the human benign hypertrophic prostate. Bolton NJ, et al. **J Endocrin J** 1981 Jul;90(1):125–31

Effect of spironolactone on androgen-dependent proteins in the ventral prostate of the rat. Carter DB, et al. **J Endocrinol** 1980 Sep;86(3):471–6

Specific high-affinity oestradiol binding in rat ventral prostate. Ginsburg M, et al. **J Endocrinol** 1980 Nov; 87(2):285–92

Metabolism of androgens by the active and inactive prostate gland, and the seasonal changes in systemic androgen levels in the grey squirrel (Sciurus carolinensis Gmelin). Siwela AA, et al. **J Endocrinol** 1981 Mar;88(3):381–92

Estrogen binding and estrogen receptor activity in the human prostate: a preliminary report. Fondo EY, et al. **J Natl Med Assoc** 1981 Mar;73(3):261–6

Antiandrogenic effect of delta-9-tetrahydrocannabinol in adult castrated rats. Ghosh SP, et al. **J Reprod Fertil** 1981 Jul;62(2):513–7

Presence of three different estradiol binding proteins in rat prostate cytosol. Dubois R, et al. **J Steroid Biochem** 1980 Dec;13(12):1467–71

Effect of sodium molybdate on cytosolic androgen receptors in rat prostate. Gaubert CM, et al. **J Steroid Biochem** 1980 Aug;13(8):931–7

Effect of pyridoxal phosphate on the androgen receptor from rat prostate: inhibition of receptor aggregation and receptor binding to nuclei and to DNA-cellulose. Hiipakka RA, et al. **J Steroid Biochem** 1980 Aug;13(8):841–6

Characterization of androgen receptor and estramustine binding protein of rat ventral prostatic tissue in organ culture. Høisaeter PA, et al. **J Steroid Biochem** 1981 Mar; 14(3):251–60

5 alpha-Androstane-3 beta, 17 beta-diol and 5 alpha-androstane-3 beta, 7 alpha, 17 beta-triol in the human hyperplastic prostate. Morfin RF, et al. **J Steroid Biochem** 1980 Jan;12:529–32

Effects of testosterone on estracyt localization in rat prostate. Catane R, et al. **Oncology** 1980;37(5):357–9

Studies on the estramustine-binding protein in rat ventral prostate and in human prostate. Gustafsson JA, et al. **Scan J Urol Nephrol [Suppl]** 1980;55:133–4

Estramustine binding in rat, baboon and human prostate measured by high pressure liquid chromatography. Kirdani RY, et al. **Steroids** 1981 May;37(5):471–84

Inhibition of nucleic acid and chromatin binding of the rat prostate androgen receptor by pyridoxal phosphate, heparin and Cibacron blue. Mulder E, et al. **Steroids** 1980 Dec;36(6):633–45

Absence of L-histidine lyase and histidine imidazole metabolites in human adenomatous prostate. van Sande M, et al. **Urol Int** 1980;35(6):417–20

Control of prostate growth. Coffey DS, et al. **Urology** 1981 Mar;17(Suppl 3):17–24 (45 ref.)

[Tri-iodothyronine bond to human prostate gland cytosol proteins (author's transl)] Felt V. **Cas Lek Cesk** 1980 Oct; 119(43–44):1165–6 (Eng. Abstr.) **(Cze)**

[Bond of androgens to nuclear protein extract of the human prostate (author's transl)] Felt V. **Cas Lek Cesk** 1980 Oct; 119(43–44):1167–9 (Eng. Abstr.) **(Cze)**

[Diffusion of co-tetroxazin into prostatic tissue (author's transl)] Riedmiller H, et al. **Arzneimittelforsch** 1981; 31(5):864–5 (Eng. Abstr.) **(Ger)**

[Effect of disodium sulbenicillin (SBPC) for urinary tract infections after retropubic prostatectomy, with special reference to SBPC concentration in human prostatic tissue (author's transl)] Yoshida H, et al. **Jpn J Antibiot** 1980 Apr; 33(4):522–5 **(Jpn)**

[Physiologic regulation of cholesterol synthesis in rat prostate (author's transl)] Osafune M, et al. **Nippon Hinyokika Gakkai Zasshi** 1980 May;71(5):437–48 (Eng. Abstr.) **(Jpn)**

[The in vivo metabolism of chlormadinone acetate in guinea pig and the uptake of testosterone-3 H and chlormadinone acetate-3 H in prostate of castrated male rat (author's transl)] Tanaka S, et al. **Nippon Naibunpi Gakkai Zasshi** 1980 Aug 20;56(8):1116–29 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Bacterial content of enucleated prostate glands. Evans JP, et al. **Urology** 1981 Apr;17(4):328–31

PATHOLOGY

The safety of transrectal biopsy of the prostate as an out-patient investigation. Eaton AC. **Br J Urol** 1981 Apr; 53(2):144–6

A transurethral biopsy punch for the prostate gland. Kulatilake AE, et al. **Br J Urol** 1981 Feb;53(1):84

Prostatic biopsy [letter] Jones MA. **Br Med J** 1980 Sep 27; 281(6244):872

Povidone-iodine antisepsis for transrectal prostatic biopsy. Rees M, et al. **Br Med J** 1980 Sep 6;281(6241):650

Procedures in practice. Prostatic biopsy. Rhind JR. **Br Med J** 1980 Sep 13;281(6242):722–3

A noninvasive technique for monitoring changes in canine prostatic size in vivo. Wade DR, et al. **Invest Urol** 1981 Jan;18(4):266–9

Clostridia sepsis following transperineal needle biopsy of the prostate. Durkee CT. **J Urol** 1981 May;125(5):742–3

Prostatic urethral polyps in adults: histopathologic variations

and clinical manifestations. Goldstein AM, et al. **J Urol** 1981 Jul;126(1):129–31

Specific red cell adherence testing and benign prostatic hyperplasia. Stein BS, et al. **J Urol** 1981 Jun;125(6):806–8

Aspiration versus needle biopsy in diagnosis of prostatic carcinoma in the small hospital. Henwood WR, et al. **JAOA** 1981 Feb;80(6):395–8

Correlations between atypical primary hyperplasia and carcinoma of the prostate. A histological study of 180 total prostatectomies. Kastendieck H. **Pathol Res Pract** 1980; 169(3–4):366–87

Isolation, in vitro cultivation, and electron microscopy of normal and malignant prostatic epithelial cells from the Copenhagen rat. Feuchter FA, et al. **Urol Res** 1980 Sep 11;8(3):139–52

Bacteremia and bacteriuria after transrectal prostatic biopsy. Brown RW, et al. **Urology** 1981 Aug;18(2):145–8

Glandular profiles and cellular patterns in prostatic cancer grading. National Prostatic Cancer Project System. Gaeta JF. **Urology** 1981 Mar;17(Suppl 3):33–7

Needle biopsy of prostate [letter] McDuffie RW. **Urology** 1981 May;17(5):511

The biological significance of atypical hyperplasia of the prostate. Helpap B. **Virchows Arch [Pathol Anat]** 1980; 387(3):307–17

[Clinical significance of prostate cytology] Faul P. **Z Urol Nephrol** 1980;73(7):549–54 (20 ref.) (Eng. Abstr.) **(Ger)**

[Objective determination of prostate size with ultrasound] Streich U, et al. **Z Urol Nephrol** 1980;73(8):577–81 (Eng. Abstr.) **(Ger)**

[Experiences with transrectal needle biopsy of the prostate] Karlsen S, et al. **Tidsskr Nor Laegeforen** 1980 Oct 30; 100(30):1771–3 (Eng. Abstr.) **(Nor)**

[Eosinophilic cystitis. Report of a case] Billis A, et al. **AMB** 1981 Jan;27(1):15–6 (Eng. Abstr.) **(Por)**

[10 years' experience of ambulatory transrectal puncture biopsy of the prostate] Goĭkhberg MI, et al. **Urol Nefrol (Mosk)** 1981 Mar–Apr;(2):42–6 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Response of rat ventral prostate to a new and novel 5 alpha-reductase inhibitor. Brooks JR, et al. **Endocrinology** 1981 Sep;109(3):830–6

Effects of prolactin on DNA synthesis and growth of the accessory sex organs in male mice. Keenan EJ, et al. **Endocrinology** 1981 Jul;109(1):170–5

The effect of the removal of the various accessory sex glands on the fertility of male rats. Queen K, et al. **J Reprod Fertil** 1981 Jul;62(2):423–6

RADIATION EFFECTS

Thermal destruction of the canine prostate by high intensity microwaves. Magin RL, et al. **J Surg Res** 1980 Sep; 29(3):265–75

RADIOGRAPHY

Anatomic localization of radioactive gold seeds of the prostate by computer-aided tomography. Elkon D, et al. **Comput Tomogr** 1981 Jan–Mar;5(1):89–93

[Roentgenotopometry in the radiation therapy of prostate cancer] Sviridova TV, et al. **Med Radiol (Mosk)** 1981 Feb; 26(2):36–40 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

The uptake of radioiodinated 5 alpha-dihydrotestosterone by the prostate of intact and castrated rats. Tarle M, et al. **Eur J Nucl Med** 1981 Feb;6(2):79–83

Radiocolloid scintigraphic mapping of the lymphatic drainage of the prostate. Whitmore WF 3d, et al. **J Urol** 1980 Jul;124(1):62–7

SECRETION

On the presence of 'prostatic secretion protein' in different species. Pousette A, et al. **Acta Chem Scand [B]** 1980; 34(2):155–6

Reversible inhibition of nuclear chromatin decondensation (NCD) ability of human spermatozoa induced by prostatic fluid. Kvist U. **Acta Physiol Scand** 1980 May;109(1):73–8

Rapid post-ejaculatory inhibitory effect of seminal plasma on sperm nuclear chromatin decondensation ability in man. Kvist U. **Acta Physiol Scand** 1980 May;109(1):69–72

Importance of spermatozoal zinc as temporary inhibitor of sperm nuclear chromatin decondensation ability in man. Kvist U. **Acta Physiol Scand** 1980 May;109(1):79–84

Prostatic binding protein and its regulation by androgens. Heyns W. **Ann Endocrinol (Paris)** 1980 May–Jun; 41(3):235–6

Prostatitis: prostatic secretory dysfunction affecting fertility. Caldamone AA, et al. **Fertil Steril** 1980 Dec;34(6):602–3

Long-term effects of vasectomy on prostatic function in men. Naik VK, et al. **J Reprod Fertil** 1980 Mar;58(2):289–93

Prevalence and significance of prostatic inflammation. Schaeffer AJ, et al. **J Urol** 1981 Feb;125(2):215–9

Values for zinc in whole semen, fractions of split ejaculate, and expressed prostatic fluid. Marmar JL, et al. **Urology** 1980 Nov;16(5):478–80

SURGERY

The influence of simultaneous resection of bladder tumors and prostate on the occurrence of prostatic urethral tumors. Laor E, et al. **J Urol** 1981 Aug;126(2):171–5

Transpubic urethroplasty for prostatomembranous urethral disruption. Malloy TR, et al. **J Urol** 1980 Sep;124(3):359–62

Endoscopic surgery: a new teaching method. Trindade JC, et al. **J Urol** 1981 Aug;126(2):192

[Cryosurgery of the prostate] Scholtmeijer RJ. **Ned Tijdschr Geneeskd** 1981 May 9;125(19):758 **(Dut)**

[Trans-vesical approach to surgery on the prostatic utricle (author's transl)] Monfort G, et al. **Chir Pediatr** 1981; 22(4):279–84 (Eng. Abstr.) **(Fre)**

TRANSPLANTATION

Morphologic and metabolic characteristics of ventral, lateral, dorsal and anterior prostate transplants in rats. Effect of testosterone and/or prolactin. Edwards WD, et al. **Horm Res** 1980;13(1):28–39

ULTRASTRUCTURE

Freeze-fracture study of rat ventral prostate: the columnar epithelial cell. Kachar B, et al. **Am J Anat** 1981 May; 161(1):49–69

Fine structure of the canine prostatic complex. Aumüller G, et al. **Anat Embryol (Berl)** 1980;160(3):327–40

Freeze-fracture study of rat ventral prostate: secretory mechanisms in the epithelial cell. Kachar B, et al. **Anat Rec** 1980 Dec;198(4):549–65

Effects of estrogen and androgen on the ultrastructure of secretory granules and intercellular junctions in regressed canine prostate. Merk FB, et al. **Anat Rec** 1980 Jun; 197(2):111–32

Freeze-fracture, ultrastructural and autoradiographic analysis of the ventral prostate glands in castrated mice. Sinha AA, et al. **Cell Tissue Res** 1981;215(3):547–61

An improved light microscopical histoquantitative method for the stereological analysis of the rat ventral prostate lobe. Romppanen T, et al. **Invest Urol** 1980 Jul;18(1):59–65

Human benign prostatic hyperplasia: a stromal disease? New perspectives by quantitative morphology. Rohr HP, et al. **Urology** 1980 Dec;16(6):625–33

PROSTATECTOMY

Body temperature changes during transurethral prostatectomy. Rawstron RE, et al. **Anaesth Intensive Care** 1981 Feb;9(1):43–6

Anaesthesia for transurethral prostatectomy [letter] **Anaesthesia** 1981 Feb;36(2):218–21

Cardiac arrest during transurethral prostatectomy after absorption of 1.5% glycine. A case report and review of the literature. Charlton AJ. **Anaesthesia** 1980 Aug; 35(8):804–6

Anaesthesia for transurethral prostatectomy. A comparison of spinal intradural analgesia with two methods of general anaesthesia. McGowan SW, et al. **Anaesthesia** 1980 Sep; 35(9):847–53

No-catheter suprapubic vacuum drainage of the bladder and prostatic cavity after transvesical prostatectomy. Salmela H. **Ann Chir Gynaecol** 1980;69(3):106–11

Prostatectomy at a district general hospital [letter] Ashby WB. **Ann R Coll Surg Engl** 1980 Nov;62(6):484–5

Help or habit? Excretion urography before prostatectomy. Morrison JD. **Br J Clin Pract** 1980 Aug;34(8–9):239–41

Hyperoxaluria following glycine irrigation for transurethral prostatectomy. Fitzpatrick JM, et al. **Br J Urol** 1981 Jun; 53(3):250–2

Suppressive effects of surgical stress on circulating androgens during and after prostatectomy. Ghanadian R, et al. **Br J Urol** 1981 Apr;53(2):147–9

The management of acute retention of urine. Higgins PM, et al. **Br J Urol** 1981 Aug;53(4):344–8

The use of cooled irrigating fluid for transurethral prostatic resection. Kulatilake AE, et al. **Br J Urol** 1981 Jun; 53(3):261–2

Pre-operative bladder irrigation with povidone-iodine. Merimsky E, et al. **Br J Urol** 1981 Aug;53(4):330–2

The prevention of secondary haemorrhage after prostatectomy: the value of antifibrinolytic therapy. Miller RA, et al. **Br J Urol** 1980 Feb;52(1):26–8

The unstable bladder and prostatectomy. Price DA, et al. **Br J Urol** 1980 Dec;52(6):529–31

Short-term antibiotic prophylaxis and prostatectomy. Shah PJ, et al. **Br J Urol** 1981 Aug;53(4):339–43

The effect of local hypothermia on blood loss during transurethral resection of the prostate. Walton JK, et al. **Br J Urol** 1981 Jun;53(3):258–60

48-hour cephradine and post-prostatectomy bacteriuria. Williams M, et al. **Br J Urol** 1980 Aug;52(4):311–5

Fluid absorption during transurethral resection. Osborn DE, et al. **Br Med J** 1980 Dec 6;281(6254):1549–50

Radical retropubic prostatectomy and pelvic lymphadenectomy for high-stage cancer of the prostate. Zincke H, et al. **Cancer** 1981 Apr 1;47(7):1901–10

Therapeutic approaches to postoperative contracture of the vesical neck. Seppelt U. **Endoscopy** 1981 Mar;13(2):74–6

Prostatectomy in patients of 70 and over. Fox M, et al. **Eur Urol** 1981;7(1):27–30

Prostatectomy and prophylaxis [letter] Williams M. **J Antimicrob Chemother** 1981 Jul;8(1):82

Regenerating prostatic nodule at urethrography. Eisenberg RL, et al. **J Can Assoc Radiol** 1980 Sep;31(3):207

Urinary infection with coagulase-negative staphylococci in patients undergoing prostatectomy [letter] Williams M, et al. **J Clin Pathol** 1980 Jul;33(7):702–3

The effect of Ticlopidine upon platelet function, haemorrhage and post-operative thrombosis in patients undergoing suprapubic prostatectomy. Brommer EJ. **J Int Med Res** 1981;9(3):203–10

Successful prostatectomy in patients with inherited abnormalities of the factor VIII molecule. Goldsmith JC, et al. **J Urol** 1980 Oct;124(4):570–3

Prophylactic antibiotics in transurethral prostatectomy. Nielsen OS, et al. **J Urol** 1981 Jul;126(1):60–2

Coagulase-negative staphylococci and the duration of antimicrobial prophylaxis [letter] Williams M. **Lancet** 1981 Feb 7;1(8215):331

Review of prostatectomies at the Johannesburg General Hospital (January 1977–December 1979). Cinman AC, et al. **S Afr J Surg** 1980 Dec;18(4):141–5

VACURG studies of post-prostatectomy survival. Byar DP. **Scan J Urol Nephrol [Suppl]** 1980;55:113–6

Total prostatectomy. Zoedler D, et al. **Scan J Urol Nephrol [Suppl]** 1980;55:187–8

The effects of low-dose heparin treatment on patients undergoing transvesical prostatectomy. Hedlund PO, et al. **Urol Res** 1981;9(3):147–52

Prevention of postoperative deep-vein thrombosis by low-dose heparin in open prostatectomy. Vandendris M, et al. **Urol Res** 1980 Dec 19;8(4):219–21

VACURG randomised trial of radical prostatectomy for stages I and II prostatic cancer. Veterans Administration Cooperative Urological Research Group. Byar DP, et al. **Urology** 1981 Apr;17(4 Suppl):7–11

[Clinical review of 1000 prostatectomies] Atanasov N, et al. **Khirurgiia (Sofiia)** 1980;33(3):220–5 (Eng. Abstr.) **(Bul)**

[Urinary retention following adenomectomy. Apropos of 2 cases] Thiry AJ, et al. **Acta Urol Belg** 1981 Jan;49(1):31–5 (Eng. Abstr.) **(Fre)**

[Treatment of urinary tract infections after prostatectomy] Csata S, et al. **Acta Chir Acad Sci Hung** 1979;20(4):375–84 (Eng. Abstr.) **(Ger)**

[Results of managing prostate adenomyomatosis over a period of 5 years] Lehmann G, et al. **Z Urol Nephrol** 1980 Apr;73(4):291–6 (Eng. Abstr.) **(Ger)**

[20 years of prostate surgery. Reduction in the number of complications through application of a new concept in TUR, cryosurgery and surgical procedures] Reuter HJ, et al. **Z Urol Nephrol** 1980 Apr;73(4):279–90 (Eng. Abstr.) **(Ger)**

[Question and terminology of prostatic surgery (letter)] Mohácsi L, et al. **Orv Hetil** 1981 Jan 4;122(1):59–61 **(Hun)**

[Giant bladder calculosis in prostatectomized patients: apropos of a clinical case] Landi G, et al. **Chir Patol Sper** 1979 Oct;27(5):483–90 (Eng. Abstr.) **(Ita)**

[Effect of disodium sulbenicillin (SBPC) for urinary tract infections after retropubic prostatectomy, with special reference to SBPC concentration in human prostatic tissue (author's transl)] Yoshida H, et al. **Jpn J Antibiot** 1980 Apr; 33(4):522–5 **(Jpn)**

[Transurethral prostatectomy (TURP) in patients with impaired renal function (author's transl)] Kadowaki K, et al. **Nippon Hinyokika Gakkai Zasshi** 1980 Sep; 71(9):1097–104 (Eng. Abstr.) **(Jpn)**

[Immunological and nonspecific protective reaction rate of prostatic adenoma patients before and after adenomectomy] Ukhal' MI, et al. **Urol Nefrol (Mosk)** 1981;(3):37–40 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Intraocular pressure after transurethral prostatic surgery. Peters KR, et al. **Anesthesiology** 1981 Sep;55(3):327–9

Fluid absorption during transurethral prostatectomy. Logie JR, et al. **Br J Urol** 1980 Dec;52(6):526–8

The treatment of patients with urinary incontinence after prostatectomy. Reid GF, et al. **Br J Urol** 1980 Dec; 52(6):532–4

Fluid absorption during transurethral resection [letter] **Br Med J [Clin Res]** 1981 Jan 24;282(6260):317

Fluid absorption during transurethral resection [letter] Allen PR, et al. **Br Med J [Clin Res]** 1981 Feb 28;282(6265):740

Prostatectomy and prophylaxis [letter] Bannister G, et al. **J Antimicrob Chemother** 1981 Feb;7(2):209–10

A method of repair of recurrent recto-vesico-prostatic fistula following prostatectomy. Antony J. **J Urol** 1980 Dec; 124(6):936–7

Decreases in electric thoracic impedance during transurethral resection of the prostate: an index of early water intoxication. Casthely P, et al. **J Urol** 1981 Mar; 125(3):347–9

Sexual potency after radical prostatectomy. Finkle AL, et al. **J Urol** 1981 Mar;125(3):350–2

Retrograde ejaculation and pregnancy. A case report. Lissoos I, et al. **S Afr Med J** 1981 Jun 6;59(24):874

[Transurethral resection of the prostate (turp syndrome), myth or reality? Analytic studies using a radioactive isotope method (author's transl)] Bertrand J, et al. **J Urol (Paris)** 1981;87(1):1–4 (Eng. Abstr.) **(Fre)**

[Urinary incontinence following prostatectomy: hopes and disappointments. 42 cases (author's transl)] Boccon-Gibod

L. **Nouv Presse Med** 1980 Sep 20;9(33):2339–42 (Eng. Abstr.) **(Fre)**

[Infusion therapy during transurethral prostatectomy] Tolksdorf W, et al. **Infusionsther Klin Ernaehr** 1980 Jun; 7(3):148–54 (Eng. Abstr.) **(Ger)**

[Functional changes after prostatectomy] Sachse H. **MMW** 1980 Nov 7;122(45):1589–90 **(Ger)**

[The TUR–syndrome and its importance to the anesthetist (author's transl)] Funtan E. **Wien Med Wochenschr** 1981 Apr 15;131(7):181–4 (Eng. Abstr.) **(Ger)**

[Occult late extravasation following transurethral electro–resection] Matz M. **Z Urol Nephrol** 1980 Apr; 73(4):259–65 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

Bladder neck retractor for retropubic prostatectomy. Fruchtman B. **Urology** 1980 Sep;16(3):294

METHODS

Anesthesia for transurethral resection of the prostate: spinal or general? Bowman GW, et al. **AANA J** 1981 Feb; 49(1):63–8

A teaching plan for TURP. Shaw LM. **AORN J** 1981 Feb; 33(2):240–5

Comparison between continuous flow and intermittent flow transurethral resection in 40 patients presenting with acute retention. Stephenson TP, et al. **Br J Urol** 1980 Dec; 52(6):523–5

48–hour cephradine and post–prostatectomy bacteriuria. Williams M, et al. **Br J Urol** 1980 Aug;52(4):311–5

Endoscopic prostatectomy with the continuous flow resection technique. Gellman AC. **Int Surg** 1980 Sep–Oct; 65(5):433–6

Ligation of the internal iliac arteries in 110 cases as a hemostatic procedure during suprapubic prostatectomy [letter] Bao ZM. **J Urol** 1980 Oct;124(4):578

Radical retropubic prostatectomy after transurethral prostatic resection. Bass RB Jr, et al. **J Urol** 1980 Oct;124(4):495–7

Radical perineal prostatectomy for palpable, clinically localized, non–obstructive cancer: experience at the Johns Hopkins Hospital 1909–1963. Jewett HJ. **J Urol** 1980 Oct; 124(4):492–4

Radical transurethral resection of the prostate for neurogenic dysfunction of the bladder in male paraplegics. Koyanagi T, et al. **J Urol** 1981 Apr;125(4):521–7

Pelvic lymphadenectomy with modified radical retropubic prostatectomy as a single operation: technique used and results in 50 consecutive cases. Middleton AW Jr. **J Urol** 1981 Mar;125(3):353–6

Perineal prostatectomy. Rathore AH. **JPMA** 1980 Sep; 30(9):204–6

Reconstruction of the urethra by a tube from a bladder flap during radical retropubic prostatectomy. Vahlensieck W. **Scan J Urol Nephrol [Suppl]** 1980;55:189–91

Radical perineal prostatectomy. Paulson DF. **Urol Clin North Am** 1980 Oct;7(3):847–53

Radical prostatectomy for the treatment of localized prostatic carcinoma. Walsh PC. **Urol Clin North Am** 1980 Oct; 7(3):583–91

Cutting maneuver for puboprostatic ligaments. Keeler LL Jr. **Urology** 1980 Nov;16(5):521

Transcervical prostatectomy. Saha SK. **Urology** 1980 Nov; 16(5):481–4

[Hemostatic purse–string suture at bladder neck in suprapubic prostatectomy (author's transl)] Liu GZ. **Chung Hua Wai Ko Tsa Chih** 1980 Mar;18(3):275–6 **(Chi)**

[Transurethral resection and transvesical prostatectomy in the treatment of prostatic hypertrophy] Mortensen T, et al. **Ugeskr Laeger** 1980 Aug 25;142(35):2261–4 (Eng. Abstr.) **(Dan)**

[Prostatic hypertrophy. A defense of transvesical surgery] Poulsen SR, et al. **Ugeskr Laeger** 1980 Aug 25; 142(35):2257–61 (Eng. Abstr.) **(Dan)**

[Cryosurgery of the prostate] Scholtmeijer RJ. **Ned Tijdschr Geneeskd** 1981 May 9;125(19):758 **(Dut)**

[The modified Denis prostatectomy] Kottász S, et al. **Acta Chir Acad Sci Hung** 1979;20(1):13–9 (Eng. Abstr.) **(Ger)**

[Approach to the vasoresection from the transverse suprapublic incision (author's transl)] Stoll HG. **Urologe [A]** 1980 Jul;19(4):239–41 (Eng. Abstr.) **(Ger)**

[The surgical treatment of the hypertrophy of the prostate (author's transl)] Wandschneider G, et al. **Wien Med Wochenschr** 1980 May 15;130(9):302–6 (Eng. Abstr.) **(Ger)**

[Practical experiences in the execution of transurethral prostate resection] Matz M. **Z Urol Nephrol** 1980 Nov; 73(11):845–52 **(Ger)**

[Open or transurethral prostatectomy?] Mohácsi L, et al. **Orv Hetil** 1980 Aug 31;121(35):2115–9 **(Hun)**

[Clinical experience of retropubic prostatovesiculectomy for benign prostatic hypertrophy (author's transl)] Takasugi Y. **Nippon Hinyokika Gakkai Zasshi** 1980 Jul;71(7):717–31 (Eng. Abstr.) **(Jpn)**

[Prostatic adenomectomy with preliminary suturing of the adenoma capsule] Gorilovskiĭ LM, et al. **Urol Nefrol (Mosk)** 1981 Jul–Aug;(4):34–9 (Eng. Abstr.) **(Rus)**

PROSTATIC DISEASES

Prostate epithelial cell culture. Application to a possible nonhuman primate model of prostate disease. Lewis RW, et al. **Invest Urol** 1981 Jan;18(4):251–7

BLOOD

[The importance of steroid and pituitary hormones in prostatic diseases. Discussion of a study] Bouffioux C. **Acta Urol Belg** 1980 Oct;48(4):445–51 (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Prostatic abscesses and absence of bladder lesions following chronic estrogen treatment in the Syrian hamster [letter] Li JJ, et al. **Cancer Res** 1980 Oct;40(10):3854–8

COMPLICATIONS

Urethral discharge, constipation, and hemorrhoids. New syndrome with report of 7 cases. Shafik A. **Urology** 1981 Aug;18(2):155–60

Tuberculosis and adenocarcinoma of prostate gland. Stay EJ. **Urology** 1980 Oct;16(4):422–4

[Dysgenetic prostatic cyst and bilateral duplication of seminal vesicles with unilateral duplication of vas deferens, epididymis and renal dysplasia. One case and review of the literature] Hublet D, et al. **Acta Urol Belg** 1980 Jul; 48(3):424–9 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Hepatitis B antigen––associated periarteritis nodosa with prostatic vasculitis. Diagnosis by needle biopsy. Cheatum DE, et al. **Arch Intern Med** 1981 Jan;141(1):107–8

Systemic blastomycosis presenting with acute prostatic abscess. Bergner DM, et al. **J Urol** 1981 Jul;126(1):132–3

Transurethral and transrectal ultrasonic scanning in urology. Gammelgaard J, et al. **J Urol** 1980 Dec;124(6):863–8

[Echographic diagnosis of a case of abscess @22 c+prostatic abscess (author's transl)] Dana A, et al. **J Urol (Paris)** 1981; 87(4):255–7 (Eng. Abstr.) **(Fre)**

[Debimetry: its interest in practical urology] Zmerli S, et al. **Tunis Med** 1980 Jan–Apr;58(1–2):476–8 (Eng. Abstr.) **(Fre)**

[New approach to the 'prostatosis'––syndrome simulating chronic prostatitis. I. Urological and psychiatric analysis of the patients (author's transl)] Izawa A. **Nippon Hinyokika Gakkai Zasshi** 1980 Sep;71(9):1055–65 (Eng. Abstr.) **(Jpn)**

[Diagnosis of urinary bladder and prostate (author's transl)] Watanabe H. **Rinsho Hoshasen** 1980;25(10):1147–59 **(Jpn)**

[Prostatic sclerosis] Karpenko VS, et al. **Urol Nefrol (Mosk)** 1980 Nov–Dec;(6):17–24 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

[Prostatic utricle cysts (Müllerian duct cysts) (author's transl)] Agra Cadarso B, et al. **An Esp Pediatr** 1981 Mar; 14(3):200–4 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Rectal examination and acid phosphatase [letter] Vallance S. **Br Med J [Clin Res]** 1981 May 23;282(6277):1702

METABOLISM

A crystallographic study of prostatic calculi. Torres Ramirez C, et al. **J Urol** 1980 Dec;124(6):840–3

[Ultrastructure of primary or endogenous prostatic calculi. Scanning electron microscopic study] Torres Ramírez C, et al. **Arch Esp Urol** 1981 Jan–Feb;34(1):13–22 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Cryptococcosis (torulosis) of prostate. Braman RT. **Urology** 1981 Mar;17(3):284–5

PATHOLOGY

A case of prostatic malacoplakia. Shimizu S, et al. **J Urol** 1981 Aug;126(2):277–9

RADIOGRAPHY

Prostatic calcification in a 4–year–old boy. Izzidien AY. **Arch Dis Child** 1980 Dec;55(12):963–4

Retropubic osteochondroma simulating prostatic calcifications: a case report. Amis ES Jr, et al. **J Urol** 1980 Nov;124(5):744–5

[On some cystographic appearances of prostatic pathology (author's transl)] Grasso N. **Radiol Med (Torino)** 1981 May; 67(5):319–24 (Eng. Abstr.) **(Ita)**

SURGERY

Prostatectomy at a district general hospital [letter] Ashby WB. **Ann R Coll Surg Engl** 1980 Nov;62(6):484–5

Anterior rectal advancement flap in the repair of benign rectoprostatic fistula. Johnson WR, et al. **Aust NZ J Surg** 1981 Aug;51(4):383–5

A method of repair of recurrent recto–vesico–prostatic fistula following prostatectomy. Antony J. **J Urol** 1980 Dec; 124(6):936–7

Single stage repair of rectourinary fistula. Henderson DJ, et al. **J Urol** 1981 Apr;125(4):592–3

Perineal prostatectomy. Rathore AH. **JPMA** 1980 Sep; 30(9):204–6

Pearls: transurethral resection of prostate [letter] Becker LE. **Urology** 1981 Jun;17(6):628–9

[Radiographic changes following transurethral cryocaustic surgery of the prostate gland (author's transl)] Bohár L, et al. **Radiologe** 1981 Feb;21(2):98–100 (Eng. Abstr.) **(Ger)**

THERAPY

Transcatheter gelfoam embolization in intractable prostatic bleeding. Russinovich NA, et al. **Urol Radiol** 1979–80; 1(3):179–81

[New approach to the 'prostatosis'––syndrome simulating chronic prostatitis. II. Psychosomatic therapy of the patients (author's transl)] Izawa A. **Nippon Hinyokika Gakkai Zasshi** 1980 Sep;71(9):1066–74 (Eng. Abstr.) **(Jpn)**

VETERINARY

Evaluation of diagnostic techniques for canine prostatic diseases. Barsanti JA, et al. **J Am Vet Med Assoc** 1980 Jul 15;177(2):160–3

PROSTATIC HYPERTROPHY

BLOOD

Radioimmunoassay of serum prostatic acid phosphatase in prostatic carcinoma. A comparative study with an enzymatic assay. Ishibe T. **Acta Urol Belg** 1981 Jan; 49(1):64–72

Total and SHBG–bound testosterone and 5 alpha–dihydrotestosterone serum concentrations in normal elderly men and patients with benign prostatic hypertrophy before and after removal of the adenoma. Lukkarinen O. **Br J Urol** 1980 Oct;52(5):377–80

Prolactin secretion in benign prostatic hypertrophy. Giuliani L, et al. **Eur Urol** 1981;7(5):294–7

Peripheral and prostatic vein steroid concentrations in benign prostatic hypertrophy patients before and after removal of the adenoma. Lukkarinen O, et al. **Scand J Urol Nephrol** 1980;14(3):225–7

[Hormonal disturbances in men with a prostatic adenoma (author's transl)] Baranowska B, et al. **J Urol (Paris)** 1980; 86(7):551–8 (Eng. Abstr.) **(Fre)**

[Determination of the activity of fibrinolysis and fibrinase in blood] Panchenko NI, et al. **Lab Delo** 1981;(7):414–6 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

The identification of patients at risk from acute retention. Powell PH, et al. **Br J Urol** 1980 Dec;52(6):520–2

Excretory urography. A superfluous routine examination in patients with prostatic hypertrophy? Christoffersen I, et al. **Eur Urol** 1981;7(2):65–7

Phenoxybenzamine reduces bladder outlet obstruction in benign prostatic hyperplasia. A urodynamic investigation. Gerstenberg T, et al. **Invest Urol** 1980 Jul;18(1):29–31

Evaluation of a synthetic vasopressin analogue for treatment of nocturia in benign prostatic hypertrophy. A double–blind study. Månsson W, et al. **Scand J Urol Nephrol** 1980;14(2):139–41

[Vasotomy and postcatheterization epididymitis and orchitis in prostate adenoma] Mandevski S, et al. **Khirurgiia (Sofiia)** 1980;33(4):336–7 **(Bul)**

[Role of leukocytic enzymes in the pathogenesis of surgical and postoperative hemorrhage in prostatic adenoma] Gonchar MA, et al. **Urol Nefrol (Mosk)** 1981 Mar–Apr; (2):46–51 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Benign prostatic hyperplasia: widespread and sometimes worrisome. Whitmore WF 3d. **Geriatrics** 1981 Apr; 36(4):119–36

Urethral pressure profilometry in the preoperative assessment for prostatectomy. Kitada S, et al. **J Urol** 1981 Jul; 126(1):89–91

The risk of inducing bacteriuria in urodynamic and uroradiological studies of men with prostatism. Andersen JT, et al. **Scand J Urol Nephrol** 1980;14(3):229–32

Accuracy in preoperative estimation of prostatic size. A comparative evaluation of rectal palpation, intravenous pyelography, urethral closure pressure profile recording and cystourethroscopy. Meyhoff HH, et al. **Scand J Urol Nephrol** 1981;15(1):45–51

The value of electron microscopy in diagnostic pathology. Case 4. Rohr HP, et al. **Ultrastruct Pathol** 1980 Jan–Mar; 1(1):89–95

[Urodynamic studies on normal bladders and bladders in metabolic disorders using diabetes mellitus as an example] Dorschner W, et al. **Z Urol Nephrol** 1979 Dec; 72(12):897–901 (Eng. Abstr.) **(Ger)**

[Prostatic hyperplasia] Frei A. **ZFA (Stuttgart)** 1981 Jan 10; 57(1):13–21 **(Ger)**

[Prognostic significance of the fentolamin test in the conservative therapy of prostatic adenoma] Velikanov KA, et al. **Urol Nefrol (Mosk)** 1980 Sep–Oct;(5):37–9 (Eng.

Abstr.) **(Rus)**

DRUG THERAPY

Subdermal implants of different steroidal compounds for treatment of endocrinological disorders. Frick J, et al. **Eur Urol** 1981;7(2):73–7

Human benign prostatic hypertrophy: role of prostaglandin E2 and its relationships to bromocriptine therapy. Rolland PH, et al. **Eur Urol** 1981;7(1):41–5

The effect of antiestrogen, antiandrogen, and the prolactin inhibitor 2 bromo–alpha–ergocriptine on the stromal tissue of human benign prostatic hyperplasia. Correlation of stereological data and plasma hormones. Bartsch G, et al. **Invest Urol** 1981 Jan;18(4):308–12

Non–operative treatment of benign prostatic hyperplasia. Lal MM, et al. **J Indian Med Assoc** 1980 Nov 1;75(9):174–6

Effect of 17–alpha–hydroxyprogesterone 17–n–caproate on urine flow. Brooks ME, et al. **Urology** 1981 May; 17(5):488–91

Phenoxybenzamine for benign prostatic obstruction. Review of 200 cases. Caine M, et al. **Urology** 1981 Jun;17(6):542–6

[Injection treatment of prostatauxe (author's transl)] Wang WX. **Chung Hua Wai Xo Tsa Chih** 1980 Mar;18(3):248–9 **(Chi)**

[Phenoxybenzamine in prostatic pathology. 300 cases (author's transl)] Lardennois B, et al. **J Urol (Paris)** 1981; 87(4):243–8 (Eng. Abstr.) **(Fre)**

[The effect of mepartricin on prostatic adenoma] Pellet B, et al. **Rev Med Suisse Romande** 1980 Nov;100(11):899–903 **(Fre)**

[Clinical experiences with phyto–therapy of benign prostatic hypertrophy] Bauer KM. **Med Welt** 1980 Aug 22; 31(34):1211–4 **(Ger)**

[Beta–sitosterin in the conservative therapy of prostatic adenoma. Experiences in urologic practice] Bialluch W. **ZFA (Stuttgart)** 1980 Sep 20;56(26):1684–7 **(Ger)**

[Prostatic syndrome. Long term therapy with Prostamed] Djulepa J. **ZFA (Stuttgart)** 1980 Apr 20;56(11):813–6 **(Ger)**

[Bromocryptin, a new therapeutic principle in adenoma and carcinoma of the prostate. Presuppositions, possibilities and limitations] Jacobi GH, et al. **Minerva Urol** 1980 Jul–Sep; 32(3):167–73 **(Ita)**

[Fundamental and clinical study on antiandrogens–androgen–dependency of prostatic tumors and clinical application of antiandrogens (author's transl)] Shida K. **Horumon To Rinsho** 1980 Aug;28(8):899–928 (63 ref.) **(Jpn)**

[Results of treating prostatic adenoma with Depostat] Darenkov AF, et al. **Urol Nefrol (Mosk)** 1980 Sep–Oct; (5):34–7 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Stromal 5 alpha–reductase activity is elevated in benign prostatic hyperplasia. Wilkin RP, et al. **Acta Endocrinol (Copenh)** 1980 Jun;94(2):284–8

Isocitrate dehydrogenase activity in untreated and treated benign prostatic hypertrophy and adenocarcinomatous prostate. Leus R, et al. **Acta Urol Belg** 1981 Jan;49(1):61–3

Aldolase activity in benign prostatic hypertrophy and adenocarcinomatous prostate. Verlooy J, et al. **Acta Urol Belg** 1980 Jan;48(1):65–7

Lactate dehydrogenase isoenzymes in benign and malignant prostatic tissues. Mazzuca A, et al. **Boll Soc Ital Biol Sper** 1980 Apr 15;56(7):690–2

Rapid, fully automated radioimmunoassay of prostatic acid phosphatase in serum. Dass S, et al. **Clin Chem** 1980 Oct; 26(11):1583–7

The evaluation of a new enzyme immunoassay for the measurement of prostatic acid phosphatase. Cooper EH, et al. **Clin Chim Acta** 1981 Jun 2;113(1):27–34

Studies of the nuclear 5 alpha–reductase of human hyperplastic prostatic tissue. Hudson RW. **J Steroid Biochem** 1981 Jun;14(6):579–84

[Changes in acid phosphatase levels during various prostatic operations] Vitsou–Georgallis H, et al. **Acta Urol Belg** 1980 Oct;48(4):488–97 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Quantitation of prostate–specific antigen in serum by a sensitive enzyme immunoassay. Kuriyama M, et al. **Cancer Res** 1980 Dec;40(12):4658–62

[Immunological and nonspecific protective reaction rate of prostatic adenoma patients before and after adenomectomy] Ukhal' MI, et al. **Urol Nefrol (Mosk)** 1981;(3):37–40 (Eng. Abstr.) **(Rus)**

METABOLISM

Stroma of human benign prostatic hyperplasia: preferential tissue for androgen metabolism and oestrogen binding. Krieg M, et al. **Acta Endocrinol (Copenh)** 1981 Mar; 96(3):422–32

Sex steroid hormone receptors and human prostatic hyperplasia and carcinoma. Robel P. **Ann Clin Res** 1980 Oct;12(5):216–22 (53 ref.)

Dihydrotestosterone receptors in the human prostate. I. Nuclear concentration in normal, benign, and malignant tissues. Lehoux JG, et al. **Arch Androl** 1980 Nov; 5(3):237–48

Binding to R 1881 (methyltrienolone) of proteins from human benign prostatic hypertrophy. Kodama T, et al. **Endocrinol Jpn** 1980 Apr;27(2):229–37

Changes in dihydrotestosterone metabolism associated with the development of canine benign prostatic hyperplasia. Isaacs JT, et al. **Endocrinology** 1981 Feb;108(2):445–53

Altered androgen metabolism in carcinoma of the prostate. Ghanadian R, et al. **Eur Urol** 1981;7(3):169–70

Early prostatic carcinoma [letter] Dollberg L. **Hum Pathol** 1980 Nov;11(6):688–9

Concentration and content of zinc in the human prostate. Leissner KH, et al. **Invest Urol** 1980 Jul;18(1):32–5

Histochemical observation of F 1881 binding protein in human benign prostatic hypertrophy. Naito H, et al. **Invest Urol** 1981 Mar;18(5):337–40

Supranormal nuclear content of 5 alpha–dihydrotestosterone in benign hyperplastic prostate of humans. Meikle AW, et al. **J Clin Endocrinol Metab** 1980 Oct;51(4):945–7

Distribution and concentrations of androgens in epithelial and stromal compartments of the human benign hypertrophic prostate. Bolton NJ, et al. **J Endocrinol** 1981 Jul;90(1):125–31

Relationships between oestradiol–17 beta, testosterone, dihydrotestosterone and 5 alpha–androstane–3 alpha, 27 beta–diol in human benign hypertrophy and carcinoma of the prostate. Ghanadian R, et al. **J Endocrinol** 1981 Feb; 88(2):255–62

Elevated intranuclear dihydrotestosterone in prostatic hyperplasia of aging dogs. Meikle AW, et al. **J Steroid Biochem** 1981 Apr;14(4):331–5

5 alpha–Androstane–3 beta, 17 beta–diol and 5 alpha–androstane–3 beta, 7 alpha, 17 beta–triol in the human hyperplastic prostate. Morfin RF, et al. **J Steroid Biochem** 1980 Jan;12:529–32

Prostatic tissue distribution of 17 beta–hydroxy–5 alpha–androstan–3–one and of androgen receptors in benign hyperplasia. Sirett DA, et al. **J Steroid Biochem** 1980 Jul;13(7):723–8

Metabolism of estrone sulphate by benign prostatic hyperplasia in vitro. Carlström K, et al. **Scand J Urol Nephrol** 1980;14(2):135–7

C–peptide, testosterone, estrogen, cortisol and zinc in patients with benign hyperplasia of the prostate. Dunzendorfer U, et al. **Urol Int** 1980;35(5):369–74

Absence of L–histidine lyase and histidine imidazole metabolites in human adenomatous prostate. van Sande M, et al. **Urol Int** 1980;35(6):417–20

Polyamines, hydrolases, (PAP, LAP, SDH, plasmin) TSH, T3, T4 and C–peptide in benign hyperplasia of the prostate. Dunzendorfer U, et al. **Urol Res** 1981;9(3):137–42

Tissue levels of free monosubstituted guanidines in human benign prostatic hypertrophy. van Sande M, et al. **Urol Res** 1981;9(3):143–5

Control of prostate growth. Coffey DS, et al. **Urology** 1981 Mar;17(Suppl 3):17–24 (45 ref.)

Prolactin concentration in prostates with benign hypertrophy. Ron M, et al. **Urology** 1981 Mar;17(3):235–7

[Possibilities for the evaluation of receptor sites in benign prostatic hyperplasia and carcinoma of the prostate (author's transl)] Fischer D, et al. **Urologe [Ausg A]** 1980 Nov;19(6):326–30 (Eng. Abstr.) **(Ger)**

PATHOLOGY

The pathological anatomy of digital enucleation for benign prostatic hyperplasia and its application to endoscopic resection. Page BH. **Br J Urol** 1980 Apr;52(2):111–26

A noninvasive technique for monitoring changes in canine prostatic size in vivo. Wade DR, et al. **Invest Urol** 1981 Jan;18(4):266–9

Perineural glands in normal and hyperplastic prostates. Carstens PH. **J Urol** 1980 May;123(5):686–8

Yield from routine prostatic needle biopsy in patients more than 50 years old referred for urologic evaluation: a preliminary report. Catalona WJ. **J Urol** 1980 Dec; 124(6):844–6

Characterization of canine prostatic cells from normal and hyperplastic glands. Chevalier S, et al. **Mol Cell Endocrinol** 1980 Oct;20(1):59–70

Carcinoma of the prostate in specimens removed for benign hyperplasia. Hradec E, et al. **Scan J Urol Nephrol [Suppl]** 1980;55:193–6

Structure of trabeculated detrusor smooth muscle in cases of prostatic hypertrophy. Gosling JA, et al. **Urol Int** 1980; 35(5):351–5

Normal and pathologic anatomy of prostate. McNeal JE. **Urology** 1981 Mar;17(Suppl 3):11–6

Human benign prostatic hyperplasia: a stromal disease? New perspectives by quantitative morphology. Rohr HP, et al. **Urology** 1980 Dec;16(6):625–33

[Comparative evaluation of prostate size by transabdominal echography, urethral profile and radiology (author's transl)] Aguirre CR, et al. **J Urol (Paris)** 1980;86(9):675–9 (Eng. Abstr.) **(Fre)**

[Prostatic adenoma––prostatic carcinoma. Questions from the practice. Part I: Pathologic anatomy and diagnosis] Strohmenger P. **ZFA (Stuttgart)** 1980 Sep 30;56(27):1711–6 **(Ger)**

[Ultrasonic measurement of the volume of prostatic adenomas] Mayayo Dehesa T, et al. **Actas Urol Esp** 1981 Mar–Apr;5(2):85–8 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

The effects of epidural anesthesia on the urethral closure pressure profile in patients with prostatic enlargement. Appell RA, et al. **J Urol** 1980 Sep;124(3):410–1

Prediction of unusual postoperative results by urodynamic testing in benign prostatic hyperplasia. Cote RJ, et al. **J Urol** 1981 May;125(5):690–2

Urodynamic evaluation of prostatic enlargements with micturitional vesicourethral static pressure profiles. Yalla SV, et al. **J Urol** 1981 May;125(5):685–9

[Kidney function characteristics of prostate adenoma patients based on Romeo's test] Malkov PS, et al. **Khirurgiia (Sofiia)** 1980;33(4):333–5 (Eng. Abstr.) **(Bul)**

[Uroflowmetry measurement in benign prostatic hypertrophy (author's transl)] Zhao WP. **Chung Hua Wai Ko Tsa Chih** 1980 Mar;18(3):245–7 **(Chi)**

RADIOGRAPHY

Help or habit? Excretion urography before prostatectomy. Morrison JD. **Br J Clin Pract** 1980 Aug;34(8–9):239–41

Regenerating prostatic nodule at urethrography. Eisenberg RL, et al. **J Can Assoc Radiol** 1980 Sep;31(3):207

Asymmetric prostatic hyperplasia simulating bladder tumor. Wieder S, et al. **J Can Assoc Radiol** 1980 Sep;31(3):206

Posterior lobe prostatic hypertrophy. Abrahamy R, et al. **Urology** 1981 May;17(5):473–5

[The use of routine urography in infravesical obstruction] Dahl E. **Tidsskr Nor Laegeforen** 1980 Oct 30; 100(30):1768–70 (Eng. Abstr.) **(Nor)**

[Urography of prostatism – practice in Norway] Dahl E. **Tidsskr Nor Laegeforen** 1980 Oct 30;100(30):1767–8 (Eng. Abstr.) **(Nor)**

[Urography and urethrocystography in patients with suspected prostatic hyperplasia] Nordshus T, et al. **Tidsskr Nor Laegeforen** 1980 Oct 30;100(30):1765–7 (Eng. Abstr.) **(Nor)**

[Evaluation of the prostate with computer tomography] Ekman P, et al. **Lakartidningen** 1980 Dec 17;77(51):4864–6 (Eng. Abstr.) **(Swe)**

SURGERY

Plasma levels of testosterone, LH and FSH after prostatic adenomectomy. Fontana D, et al. **Andrologia** 1980 Nov–Dec;12(6):556–8

Water and electrolyte changes during transuretheral resection of the prostate under spinal anaesthesia. Okasha AS, et al. **Middle East J Anaesthesiol** 1980 Oct;5(8):515–22

Aspects of transurethral resection of prostate for obstructing prostatic adenoma. Foo KT. **Singapore Med J** 1980 Aug; 21(4):620–6

Phycomycosis as postoperative complication of urologic surgery. Heinemann S. **Urology** 1981 Jan;17(1):65–7

Transcervical prostatectomy. Saha SK. **Urology** 1980 Nov; 16(5):481–4

[Transurethral resection and transvesical prostatectomy in the treatment of prostatic hypertrophy] Mortensen T, et al. **Ugeskr Laeger** 1980 Aug 25;142(35):2261–4 (Eng. Abstr.) **(Dan)**

[Prostatic hypertrophy. A defense of transvesical surgery] Poulsen SR, et al. **Ugeskr Laeger** 1980 Aug 25; 142(35):2257–61 (Eng. Abstr.) **(Dan)**

[Cryosurgery of the prostate] Groenteman RM, et al. **Ned Tijdschr Geneeskd** 1981 May 9;125(19):731–4 (Eng. Abstr.) **(Dut)**

[Surgical mortality of prostatic adenoma during the last 80 years: quantification of the vital risk] Cara M, et al. **Bull Acad Natl Med (Paris)** 1980;164(6):582–7 (Eng. Abstr.) **(Fre)**

[The surgical treatment of the hypertrophy of the prostate (author's transl)] Wandschneider G, et al. **Wien Med Wochenschr** 1980 May 15;130(9):302–6 (Eng. Abstr.) **(Ger)**

[Results of managing prostate adenomyomatosis over a period of 5 years] Lehmann G, et al. **Z Urol Nephrol** 1980 Apr;73(4):291–6 (Eng. Abstr.) **(Ger)**

[Results of repeated adenomectomies in high–risk patients] Vogel KH, et al. **Z Urol Nephrol** 1981 Feb;74(2):109–12 (Eng. Abstr.) **(Ger)**

[Clinical evaluation of the use of prifinium bromide in urologic patients] Della Grazia M. **G Clin Med** 1979 Oct; 60(10):843–9 (Eng. Abstr.) **(Ita)**

[Clinical experience of retropubic prostatovesiculectomy for benign prostatic hypertrophy (author's transl)] Takasugi Y. **Nippon Hinyokika Gakkai Zasshi** 1980 Jul;71(7):717–31 (Eng. Abstr.) **(Jpn)**

[Prostatic adenomectomy with preliminary suturing of the adenoma capsule] Gorilovskii LM, et al. **Urol Nefrol (Mosk)** 1981 Jul–Aug;(4):34–9 (Eng. Abstr.) **(Rus)**

[Prevention of hemorrhage in prostatic adenomectomy] Sergienko NF, et al. **Voen Med Zh** 1981 Jun;(6):33–6 **(Rus)**

[Evaluation of the postoperative use of continuous bladder irrigation in transurethral surgery] Carballido Rodríguez JA, et al. **Actas Urol Esp** 1981 Mar–Apr;5(2):89–92 (Eng. Abstr.) **(Spa)**

THERAPY

Evaluation of the role of injection therapy for benign

prostatic hypertrophy. Choudhury A, et al. **Br J Urol** 1980 Jun;52(3):204–7

Treatment of benign prostatic hypertrophy [letter] Stanley CM 3d. **Hosp Pract** 1980 Oct;15(10):21

[Injection therapy of benign prostatic hypertrophy: report of 100 cases (author's transl)] Wu DL. **Chung Hua Wai Ko Tsa Chih** 1979;17(4):262–3 **(Chi)**

[Treatment of prostatic hyperplasia] Lehtonen T. **Duodecim** 1981;97(1):29–35 **(Fin)**

[Prostatic adenoma--prostatic carcinoma. Questions from general practice. II. Therapy] Strohmenger P. **ZFA (Stuttgart)** 1980 Oct 10;56(28):1793–7 **(Ger)**

URINE

Urinary cholesterol in follow-up of patients with urologic carcinomas or benign prostatic hyperplasia. Jüngst D, et al. **Urology** 1981 Jul;18(1):65–7

VETERINARY

Stilboestrol toxicity in a dog. Mills JN, et al. **Aust Vet J** 1981 Jan;57(1):39–42

PROSTATIC NEOPLASMS

Inferior red nucleus syndrome (Benedikt's syndrome) due to a single intramesencephalic metastasis from a prostatic carcinoma. Case report. Loseke N, et al. **Acta Neurochir (Wien)** 1981;56(1–2):59–64

Recognition of the superscan in prostatic bone scintigraphy. Constable AR, et al. **Br J Radiol** 1981 Feb;54(638):122–5

Metastases to the penis from carcinoma of the prostate. Negelev S, et al. **Br J Urol** 1981 Aug;53(4):389

Strontium-87m and the gamma camera in the study of bone metastases from carcinoma of the prostate. A review after 6 years. Robinson MR, et al. **Br J Urol** 1980 Feb;52(1):69

Nuclear bone imaging in metastatic cancer of the prostate. Pollen JJ, et al. **Cancer** 1981 Jun 1;47(11):2585–94

Cancer of the prostate. von Eschenbach AC. **Curr Probl Cancer** 1981 Jun;5(12):1–54 (40 ref.)

Periosteal 'sunburst' pattern due to a prostatic metastasis. Libson E, et al. **Diagn Imaging** 1981;50(3):146–8

Carcinoma of the prostate: is there a state of the art? McKenzie DJ. **J Med Assoc Ga** 1981 Feb;70(2):117

Immunological detection of metastases from prostatic adenocarcinoma. Heaney JA, et al. **J Surg Oncol** 1981; 17(1):83–8

Carcinoma in the defunctionalized urinary tract. Moloney PJ, et al. **J Urol** 1981 Aug;126(2):260–1

Prostatic cancer [editorial] Pontes JE. **J Urol** 1981 Mar; 125(3):375

Carcinoma of the prostate. Where are we? Hanafy HM. **Mater Med Pol** 1980;12(4):293–5

Proceedings of the WHO Collaborating Centre meeting on prostatic cancer, March 12--15, 1979. **Scan J Urol Nephrol [Suppl]** 1980;55:1–224

Prostate cancer today. Seminar sponsored by National Prostatic Cancer Project and American Urological Association, Inc. **Urology** 1981 Mar;17(Suppl 3):1–82

Long-term survival with skin metastases from carcinoma of prostate. Marquis W, et al. **Urology** 1980 Oct;16(4):407–8

Rationale and practice of testing chemotherapeutic agents for prostate cancer. Sandberg AA. **Urology** 1981 Apr;17(4 Suppl):34–44

[Sub-adventitial invasion of both ureters by extension of a prostatic adenocarcinoma] Salvo A, et al. **J Urol (Paris)** 1980;86(7):570–2 **(Fre)**

[A strange new case of epididymo-testicular metastasis] Suhler A, et al. **J Urol (Paris)** 1980;86(7):574 **(Fre)**

[Vitamin-sensitive osteomalacia in condensing bone metastases of prostatic origin. Apropos of 2 cases] Charhon S, et al. **Rev Rhum Mal Osteoartic** 1981 Jun;48(6):469–76 (Eng. Abstr.) **(Fre)**

[Clinico-hematological aspects in medullary metastases of non-lymphomatous solid tumors] Ricci P, et al. **Recenti Prog Med** 1980 Aug;69(2):200–9 (Eng. Abstr.) **(Ita)**

[Secondary testicular tumors as sole metastases. Discussion of the metastatic pathways] Domínquez del Río JA, et al. **Arch Esp Urol** 1981 Jan–Feb;34(1):67–72 (Eng. Abstr.) **(Spa)**

ANALYSIS

Inhibin in the human prostate. Sheth AR, et al. **Arch Androl** 1981 Jun;6(4):317–21

Molybdate and the measurements of androgen receptors in prostate cancer. Hawkins EF, et al. **J Clin Endocrinol Metab** 1981 Aug;53(2):456–8

Histochemical analyses of steroid hormone receptors in breast and prostatic carcinoma. Pertschuk LP, et al. **J Histochem Cytochem** 1980 Aug;28(8):799–810

Cytochemical localization of lipid, peroxidase, and carbohydrate substances in the Dunning prostatic adenocarcinoma R3327H: an ultrastructural analysis. Arcadi JA. **J Surg Oncol** 1980;15(3):287–96

Morphologic assay of steroid hormone receptors in human neoplasia. Pertschuk LP, et al. **Pathol Annu** 1980;15(Pt 2):143–80 (101 ref.)

[Organ-specific human prostate beta-globulin during tumor growth] Nikolaev AA, et al. **Biull Eksp Biol Med** 1980 Nov;90(11):583–6 (Eng. Abstr.) **(Rus)**

BLOOD

Radioimmunoassay of serum prostatic acid phosphatase in prostatic carcinoma. A comparative study with an enzymatic assay. Ishibe T. **Acta Urol Belg** 1981 Jan; 49(1):64–72

Plasma lipoproteins during anti-androgen treatment by estrogens or orchidectomy in men with prostatic carcinoma. Wallentin L, et al. **Horm Metab Res** 1981 May; 13(5):293–7

Plasma lipoproteins during treatment with cyproterone acetate in men with prostatic carcinoma. Wallentin L, et al. **J Clin Endocrinol Metab** 1980 Nov;51(5):1118–22

An evaluation of serum protein profiles in the long-term surveillance of prostatic cancer. Trautner K, et al. **Scand J Urol Nephrol** 1980;14(2):143–9

The effects of orchiectomy, oestrogens and cyproterone-acetate on the antithrombin-III concentration in carcinoma of the prostate. Varnehorst E, et al. **Urol Res** 1981 Mar 17;9(1):25–8

[Behavior of plasminogen in prostatic carcinoma treated with cytonal] Oehler D, et al. **Z Urol Nephrol** 1980 Dec; 73(12):923–9 (Eng. Abstr.) **(Ger)**

[Acute phase proteins in the diagnosis of prostatic neoplasms] Nikolaev AA, et al. **Lab Delo** 1981;(4):230–2 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Cadmium and prostatic cancer in Alberta [letter] Johnstone T. **Can Med Assoc J** 1981 May 1;124(9):1139

CLASSIFICATION

Classification of stage C carcinoma of the prostate [letter] Pollen JJ. **J Urol** 1981 Apr;125(4):604

Incidental carcinoma of the prostate: a review of the literature and critical reappraisal of classification. Sheldon CA, et al. **J Urol** 1980 Nov;124(5):626–31

Prostatic carcinoma: clinical and surgical staging. Whitehead ED, et al. **NY State J Med** 1981 Feb;81(2):184–93

COMPLICATIONS

Hypocalcemia with osteoblastic metastases in patient with prostate carcinoma. A cause of secondary hyperparathyroidism. Smallridge RC, et al. **Am J Med** 1981 Jul;71(1):184–8

Reimplantation of the ureter in prostatic carcinoma associated with bilateral ureteric obstruction. Kihl B, et al. **Br J Urol** 1981 Aug;53(4):349–52

Glomerulonephritis and virus-like particles associated with prostatic cancer. Pascal RR, et al. **Hum Pathol** 1980 Jul; 11(4):391–9

An unusual presentation of intrinsic ureteral obstruction secondary to carcinoma of the prostate: a case report. Zollinger RW 2d, et al. **J Urol** 1981 Jan;125(1):132–3

Tuberculosis and adenocarcinoma of prostate gland. Stay EJ. **Urology** 1980 Oct;16(4):422–4

Male climacteric after orchiectomy in patient with prostatic cancer. Steinfeld AD, et al. **Urology** 1980 Dec;16(6):620–2

[Disseminated intravascular coagulation syndrome (D.I.C.) and carcinoma of the prostate (author's transl)] Becopoulos T, et al. **J Urol (Paris)** 1980;86(6):467–70 (Eng. Abstr.) **(Fre)**

[Hypocalcemia in cancer of the prostate: existence of an antivitamin D factor? (letter)] Arlet P, et al. **Nouv Presse Med** 1980 May 31;9(24):1714–5 **(Fre)**

[Necrotic myelopathies and neoplastic pathologie. Three clinico-pathological cases (author's transl)] Gray F, et al. **Rev Neurol (Paris)** 1980;136(3):235–46 (Eng. Abstr.) **(Fre)**

[Urinary and serum hydroxyproline in the diagnosis of bone metastases of prostatic cancer] Gasser AB, et al. **Schweiz Med Wochenschr** 1981 Feb 21;111(8):246–51 (Eng. Abstr.) **(Fre)**

[Dense bone metastases and hypophosphatemic osteomalacia during the course of prostatic cancer (author's transl)] Quilichini R, et al. **Sem Hop Paris** 1979 Dec 18–25; 55(43–44):2037–9 (Eng. Abstr.) **(Fre)**

[Results of calcitonin therapy of the painful symptoms caused by osteolytic metastases of prostatic carcinoma] Fabris P, et al. **Chir Ital** 1980 Dec;32(6):1740–4 (Eng. Abstr.) **(Ita)**

[Vascular lesions of the nervous system in malignant tumors of the internal organs] Kovalenko VN. **Zh Nevropatol Psikhiatr** 1980;80(5):687–90 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

The diagnosis of carcinoma in transurethral resectates of of the prostate. A study of the probability of overlooking malignant tissue when only part of the material is embedded for histological examination. Rismyhr B, et al. **Acta Pathol Microbiol Scand [A]** 1980 Jul;88(4):211–5

Evaluation of prostatic cancer by transrectal ultrasonotomography and CT scan. Denis L, et al. **Acta Urol Belg** 1980 Jan;48(1):71–7

Diagnosis of carcinoid-like metastatic prostatic carcinoma by an immunoperoxidase method. Ansari MA, et al. **Am J Clin Pathol** 1981 Jul;76(1):94–8

A current view of prostatic cancer. Ahmann F. **Ariz Med** 1981 Mar;38(3):195–7

Early diagnosis of carcinoma of the prostate. [editorial] **Br Med J** 1980 Apr 12;280(6220):1036–7

What is the best test to detect prostate cancer? Guinan P, et al. **CA** 1981 May–Jun;31(3):141–5

Prostate Cancer: continuing progress. Murphy GP. **CA** 1981 Mar–Apr;31(2):96–110

Effectiveness of radioimmunoassay of human prostate-specific acid phosphatase in the diagnosis and follow-up of therapy in prostatic carcinoma. Vihko P, et al. **Cancer Res** 1981 Mar;41(3):1180–3

The diagnostic significance of serum creatine kinase-BB isoenzyme in adenocarcinoma of prostate. Aleyassine H, et al. **Clin Biochem** 1980 Jun;13(3):109–12

Double-antibody immunoenzyme assay for human prostatic acid phosphatase. Choe BK, et al. **Clin Chem** 1980 Dec; 26(13):1854–9

Enzyme measurements by mass: an interim review of the clinical efficacy of some mass measurements of prostatic acid phosphatase and isoenzymes of creatine kinase. Henderson AR, et al. **Clin Chim Acta** 1981;115(1):9–32 (72 ref.)

Prostatic cancer: diagnosis and prognosis. Karr JP, et al. **Compr Ther** 1980 Oct;6(10):34–41

Prostatic cancer: perspectives on progress. Murphy GP. **In: Clinical conference on cancer, 23d, M. D. Anderson Hospital and Tumor Institute, Houston, 1978. Cancer of the genitourinary tract. New York : Raven Press, 1979. W3 C162H 23d 1978c c.1 pp.:5–24**

Carcinoma of the prostate – a clinical review of 100 patients. Traynor O, et al. **Ir Med J** 1981 Jul;74(7):192–3

Non-Hodgkin's lymphoma of the prostate. Hamburger S, et al. **J Kans Med Soc** 1980 Oct;81(10):457

Ultrasonically guided precise needle placement in the prostate and the seminal vesicles. Holm HH, et al. **J Urol** 1981 Mar;125(3):385–7

Transrectal ultrasonography in the evaluation of patients with prostatic carcinoma. Resnick MI, et al. **J Urol** 1980 Oct; 124(4):482–4

Prostatic-specific antigen helps establish origin of certain tumors [news] **JAMA** 1981 Jun 19;245(23):2377

Unpredictable fluctuations in serum acid phosphatase activity in prostatic cancer. Brenckman WD Jr, et al. **JAMA** 1981 Jun 26;245(24):2501–4

Prostatic acid phosphatase by radioimmunoassay [letter] Klein LA. **JAMA** 1981 Jun 26;245(24):2493

Prostatic acid phosphatase by radioimmunoassay. Sensitivity compared with enzymatic assay. Lindholm GR, et al. **JAMA** 1980 Nov 7;244(18):2071–3

Aspiration versus needle biopsy in diagnosis of prostatic carcinoma in the small hospital. Henwood WR, et al. **JAOA** 1981 Feb;80(6):395–8

Diagnosis of prostatic cancer [letter] **N Engl J Med** 1981 Jan 1;304(1):50–2

Prostate cancer. Diagnostic imaging. Mamtora H, et al. **Recent Results Cancer Res** 1981;78:76–96 (51 ref.)

Special investigations in carcinoma of the prostate. Fourie T, et al. **S Afr J Surg** 1979 Jun;17(2):71–8

Diagnosis and categorization of the primary tumour in carcinoma of the prostate. Andersson L. **Scan J Urol Nephrol [Suppl]** 1980;55:27–30

The role of the radioimmunoassay for prostatic acid phosphatase in prostatic carcinoma. Bruce AW, et al. **Urol Clin North Am** 1980 Oct;7(3):645–52

The radioimmunochemical measurement of prostatic acid phosphatase: current state of the art. Cooper JF. **Urol Clin North Am** 1980 Oct;7(3):653–65

State of the art in immune diagnosis of early adenocarcinoma of the prostate. Pontes JE. **Urol Clin North Am** 1980 Oct; 7(3):667–74

Diagnosis of carcinoma of prostate. Grayhack JT, et al. **Urology** 1981 Mar;17(Suppl 3):54–60 (52 ref.)

Role of acid phosphatase measurement in management of prostate cancer. Klein LA, et al. **Urology** 1981 Jun; 17(6):550–3

Ultrasonic evaluation of prostatic carcinoma. Kohri K, et al. **Urology** 1981 Feb;17(2):214–7

Noninvasive techniques in evaluating patients with carcinoma of prostate. Resnick MI. **Urology** 1981 Mar;17(Suppl 3):25–30 (33 ref.)

[Histochemical examination as an aid in the evaluation of prostatic carcinoma] Vrubel F, et al. **Rozhl Chir** 1980; 59(12):818–22 (Eng. Abstr.) **(Cze)**

[Prostatic sarcoma] d'Udekem F, et al. **Acta Urol Belg** 1980 Jan;48(1):56–64 (Eng. Abstr.) **(Fre)**

[The diagnostic value of the radioimmunological estimation of prostatic acid phosphatase. Comparative value of the measurement of enzyme activity (author's transl)] Tellier JL, et al. **J Urol (Paris)** 1981;87(3):169–73 (Eng. Abstr.) **(Fre)**

[Are serum acid phosphatase levels of diagnostic significance in prostatic cancer? (author's transl)] Bollack C, et al. **Sem Hop Paris** 1979 Dec 18–25;55(43–44):2022–6 (Eng. Abstr.) **(Fre)**

[Cancer of the prostate. Diagnostic study and therapeutic approach: Apropos of 89 cases (1974–1978)] Hamida C, et al. **Tunis Med** 1979 Jul–Oct;57(4–5):264–8 (Eng. Abstr.) **(Fre)**

[Liver metastasis or toxic liver damage?] Kuntz HD. **MMW** 1980 Nov 21;122(47):suppl 57 **(Ger)**

[The value of rectal examination in the diagnosis of prostatic cancer (author's transl)] Kisbenedek L, et al. **Urologe [Ausg A]** 1980 Nov;19(6):324–5 (Eng. Abstr.) **(Ger)**

[The accuracy of transrectal aspiration biopsy in routine diagnosis of prostatic carcinoma] Maier U, et al. **Wien Klin Wochenschr** 1980 Nov 21;92(22):803–5 (Eng. Abstr.) **(Ger)**

[Coordination of individualized diagnosis and therapy of prostatic cancer] Schubert J, et al. **Z Urol Nephrol** 1981 Jun;74(6):437–42 (Eng. Abstr.) **(Ger)**

[Prostatic carcinoma] Bichler KH. **ZFA (Stuttgart)** 1981 Jan 10;57(1):22–9 **(Ger)**

[Criteria for correct application of prostatic biopsy] Dominici C, et al. **Minerva Chir** 1980 Nov 30;35(22):1767–72 (Eng. Abstr.) **(Ita)**

[Metastatic syndrome involving multiple cranial nerves on the right] Paolucci A. **Riv Neurol** 1980 Jan–Feb;50(1):67–71 (Eng. Abstr.) **(Ita)**

[Enzymological study of prostatic cancer VIII. Comparison of acid phosphatase by measurement of enzymatic level and radioimmunoassay in diagnosis of patients with prostatic carcinoma (author's transl)] Ishibe T. **Nippon Hinyokika Gakkai Zasshi** 1980 Dec;71(12):1484–8 (Eng. Abstr.) **(Jpn)**

[Puncture biopsy of the kidney and prostatic neoplasms] Takeuchi H, et al. **Rinsho Byori** 1980;Suppl:130–9 **(Jpn)**

[Possibilities of clinical diagnosis of urologic diseases] Vilenchuk GI. **Vrach Delo** 1980 Dec;(12):87–90 (Eng. Abstr.) **(Rus)**

[Diagnosis and treatment of carcinoma of the prostate] Hromadko M, et al. **Acta Chir Iugosl** 1981;28(1):19–34 (Eng. Abstr.) **(Scr)**

[Diagnostic value of cytology in prostatic neoplasms] Villarroya Rodríguez S, et al. **Actas Urol Esp** 1980 Sep–Oct;4(5):255–60 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Anti-estrogens in the treatment of prostatic cancer. Denis L, et al. **Acta Urol Belg** 1980 Jan;48(1):106–9

Clinical experience with Estracyt. Nilsson T. **Acta Urol Belg** 1980 Jan;48(1):133–7

Hormone therapy in prostatic cancer. Smith PH, et al. **Acta Urol Belg** 1980 Jan;48(1):98–105 (21 ref.)

Lymphopenic response of patients presenting with chronic lymphocytic leukemia associated with carcinoma of the prostate to diethylstilbestrol: correlation of response to the in vitro synthesis of RNA by patient lymphocytes and its relationship to transcortin. Narasimhan P, et al. **Am J Hematol** 1980;8(4):369–75

Acid phosphatases in the human testis after prolonged estrogen treatment. Guha K, et al. **Andrologia** 1980 May–Jun;12(3):252–60

Palliative effect of cyproterone acetate in carcinoma of the prostate with widespread metastatic bone disease. Fox M, et al. **Br J Urol** 1980 Oct;52(5):402

Treatment of advanced prostatic cancer with parenteral cyproterone acetate: a phase III randomised trial. Jacobi GH, et al. **Br J Urol** 1980 Jun;52(3):208–15

The non-hormone chemotherapy of prostatic cancer. Jones MA, et al. **Br J Urol** 1980 Apr;52(2):127–30

Estramustine phosphate in the treatment of advanced prostatic cancer. Küss R, et al. **Br J Urol** 1980 Feb; 52(1):29–33

Aminoglutethimide: medical adrenalectomy in the management of carcinoma of the prostate. A review after 6 years. Robinson MR. **Br J Urol** 1980 Aug;52(4):328–9

Heterotransplantation of Nb rat prostatic adenocarcinomas into congenitally athymic nude mice. Drago JR, et al. **Cancer** 1981 Jan 1;47(1):55–9

Cyclophosphamide versus cyclophosphamide, methotrexate, and 5-fluorouracil in advanced prostatic cancer: a randomized trial. Muss HB, et al. **Cancer** 1981 Apr 15; 47(8):1949–53

Chemotherapy of advanced prostatic cancer with adriamycin, BCNU, and cyclophosphamide. Presant CA, et al. **Cancer** 1980 Dec 1;46(11):2389–92

The importance of the stable category for chemotherapy treated patients with advanced and relapsing prostate cancer. Slack NH, et al. **Cancer** 1980 Dec 1;46(11):2393–402

High dose estrogen response of the hormone independent R3327-At Copenhagen rat prostatic tumor. Heston WD, et al. **Cancer Lett** 1980 Nov;11(1):57–61

Tamoxifen in refractory metastatic carcinoma of the prostate. Glick JH, et al. **Cancer Treat Rep** 1980 Jun-Jul; 64(6–7):813–8

A preliminary report of mitotane therapy of advanced renal and prostate cancer [letter] Hogan TF, et al. **Cancer Treat Rep** 1981 May–Jun;65(5–6):539–40

Treatment of advanced oestrogen-resistant prostatic carcinoma with estramustine phosphate. Wong AL, et al. **Clin Oncol** 1981 Jun;7(2):163–5

Negative feedback effects of chlormadinone acetate and ethynylestradiol on gonadotropin secretion in patients with prostatic cancer and male rats. Noguchi K, et al. **Endocrinol Jpn** 1980 Jun;27(3):285–90

Clinical trial of a new antigonadotropic substance, 2,6-cis-diphenylhexamethylcyclotetrasiloxane, in cancer of the prostate. A pilot study. Collste L, et al. **Eur Urol** 1981; 7(2):85–8

Hormonal therapy for prostatic carcinoma. Beach PD. **In: Clinical conference on cancer, 23d, M. D. Anderson Hospital and Tumor Institute, Houston, 1978. Cancer of the genitourinary tract. New York : Raven Press, 1979. W3 C162H 23d 1978c c.1 pp.**:273–8

Chemotherapeutic treatment on a national randomized trial basis by the National Prostatic Cancer Project. Murphy GP. **In: Clinical conference on cancer, 23d, M. D. Anderson Hospital and Tumor Institute, Houston, 1978. Cancer of the genitourinary tract. New York : Raven Press, 1979. W3 C162H 23d 1978c c.1 pp.**:249–60

Chemotherapy of prostatic cancer. Paulson DF, et al. **In: Clinical conference on cancer, 23d, M. D. Anderson Hospital and Tumor Institute, Houston, 1978. Cancer of the genitourinary tract. New York : Raven Press, 1979. W3 C162H 23d 1978c c.1 pp.**:261–72

Evaluation of chemotherapeutic responsiveness in Nb rat prostate cancer model. 5-fluorouracil, methotrexate, cyclophosphamide, and adriamycin. Drago JR, et al. **Invest Urol** 1980 Jul;18(1):80–1

Effect of treatment with diethylstilbestrol-polyestradiol phosphate or estramustine phosphate (estracyt) on natural killer cell activity in patients with prostatic cancer. Kalland T, et al. **Invest Urol** 1981 May;18(8):437–9

Medical castration of males with megestrol acetate and small doses of diethylstilbestrol. Geller J, et al. **J Clin Endocrinol Metab** 1981 Mar;52(3):576–80

Treatment of stage D prostatic carcinoma with megestrol acetate. Block M, et al. **J Surg Oncol** 1981;17(4):367–71

Therapy for Nb rat tumor transplanted in athymic mice. Drago JR, et al. **J Surg Oncol** 1981;16(3):265–72

Combination chemotherapy in a prostate tumor model: Nb rat prostatic adenocarcinoma model. Drago JR, et al. **J Surg Oncol** 1981;16(4):353–63

Systemic treatment of advanced prostatic cancer: development of a new system for defining response. Citrin DL, et al. **J Urol** 1981 Feb;125(2):224–7

A comparison of hydroxyurea, methyl-chloroethyl-cyclohexy-nitrosourea and cyclophosphamide in patients with advanced carcinoma of the prostate. Loening SA, et al. **J Urol** 1981 Jun; 125(6):812–6

A phase II evaluation of a 3-drug combination of cyclophosphamide, doxorubicin and 5-fluorouracil and of 5-fluorouracil in patients with advanced bladder carcinoma or stage D prostatic carcinoma. Smalley RV, et al. **J Urol** 1981 Feb;125(2):191–5

Comparison of estramustine phosphate and vincristine alone or in combination for patients with advanced, hormone refractory, previously irradiated carcinoma of the prostate. Soloway MS, et al. **J Urol** 1981 May;125(5):664–7

Cancer of the prostate [editorial] **Lancet** 1980 Nov 8; 2(8202):1009–10

Aminoglutethimide and prostatic cancer [letter] Friedlander ML. **Lancet** 1980 Dec 20–27;2(8208–8209):1373

Prostate cancer; plasma concentrations of estramustine phosphate and its metabolites. Kirdani RY, et al. **NY State J Med** 1980 Aug;80(9):1390–3

Prostate cancer. Endocrine and cytotoxic therapy. Smith PH. **Recent Results Cancer Res** 1981;78:154–72 (41 ref.)

Effect of LS 1727, a nitrosocarbamate of 19-nortestosterone, on the R-3327 rat prostatic adenocarcinoma. Müntzing J, et al. **Res Commun Chem Pathol Pharmacol** 1981 May; 32(2):309–16

Cyclophosphamide-prednisolone therapy in advanced prostatic carcinoma. Andersson L, et al. **Scan J Urol Nephrol [Suppl]** 1980;55:169–71

The chemotherapy of prostatic carcinoma. Beckley S, et al. **Scan J Urol Nephrol [Suppl]** 1980;55:151–62

Estramustine phosphate therapy in poorly differentiated carcinoma of the prostate. Edsmyr F, et al. **Scan J Urol Nephrol [Suppl]** 1980;55:139–42

Prediction of tumor response to endocrine therapy in prostatic carcinoma based on steroid receptor assay. Ekman P, et al. **Scan J Urol Nephrol [Suppl]** 1980;55:83–9

Treatment of prostatic carcinoma by gonadotropin inhibition with danazol. A preliminary report. Freedman DL, et al. **Scan J Urol Nephrol [Suppl]** 1980;55:173–5

Cardiovascular complications to treatment of prostate cancer with estramustine phosphate (Estracyt) or conventional estrogen. A follow-up of 212 randomized patients. Hedlund PO, et al. **Scan J Urol Nephrol [Suppl]** 1980;55:103–5

Adjunct bromocriptine treatment as palliation for prostate cancer: experimental and clinical evaluation. Jacobi GH, et al. **Scan J Urol Nephrol [Suppl]** 1980;55:107–12

Polyestradiol phosphate and ethinyl estradiol in treatment of prostatic carcinoma. Lindstedt E. **Scan J Urol Nephrol [Suppl]** 1980;55:95–7

Effect of pepleomycin in prostatic cancer. A preliminary report. Niijima T, et al. **Scan J Urol Nephrol [Suppl]** 1980; 55:177–9

Oestrogen therapy in prostatic cancer. Smith PH, et al. **Scan J Urol Nephrol [Suppl]** 1980;55:91–4

Estramustine versus conventional estrogenic hormones in the initial treatment of highly or moderately differentiated prostatic carcinoma. A randomized study. Andersson L, et al. **Scan J Urol Neprhol [Suppl]** 1980;55:143–5

Estracyt—clinical experiences. Nilsson T. **Scan J Urol Neprhol [Suppl]** 1980;55:135–8

Continuous versus intermittent oral therapy with estramustine phosphate (Estracyt). Vahlensieck W, et al. **Scan J Urol Neprhol [Suppl]** 1980;55:147–9

Hormonal effects of different doses of estramustine phosphate (Estracyt) in patients with prostatic carcinoma. Fritjofsson A, et al. **Scand J Urol Nephrol** 1981;15(1):37–44

Uses of antioestrogens in prostatic carcinoma. Patterson JS. **Scott Med J** 1980 Apr;25(2):162

Chemotherapy in metastatic, hormone refractory prostatic cancer using chlorambucil in combination with prednisolone versus conjugate, prednimustine (Leo 1031). Beckley S, et al. **Urology** 1981 May;17(5):446–8

Subcutaneous estradiol pellet implantation in management of advanced prostatic carcinoma. Gearhart JP, et al. **Urology** 1981 Jan;17(1):44–8

Medical castration with megestrol acetate and minidose of diethylstilbestrol. Geller J, et al. **Urology** 1981 Apr;17(4 Suppl):27–33

Cooperative clinical of single and combined agent protocols: adjuvant protocols. National Prostatic Cancer Project Cooperative Clinical Trials. Gibbons RP. **Urology** 1981 Apr;17(4 Suppl):48–52

Correlation between clinical response to antiandrogenic therapy and occurrence of receptors in human prostatic cancer. Martelli A, et al. **Urology** 1980 Sep;16(3):245–9

New agents for prostatic carcinoma. Mittelman A. **Urology** 1981 Apr;17(4 Suppl):45–7

Vincristine, bleomycin, methotrexate, 5-fluorouracil, and prednisone in metastatic, hormonally unresponsive prostatic adenocarcinoma. Paulson DF, et al. **Urology** 1981 May;17(5):443–5

Cis-platinum and hormones in cancer of prostate [letter] Tannock I. **Urology** 1980 Sep;16(3):331–2

[Treatment of prostatic carcinoma with hexoestrol dibromoacetate: report of 78 cases (author's transl)] Miao TJ. **Chung Hua Wai Ko Tsa Chih** 1980 Dec;18(6):502–3 **(Chi)**

[Trial of prostatic cancer treatment with estrogens associated with cyproterone] Hardy JC. **Acta Urol Belg** 1980 Jan; 48(1):110–2 (Eng. Abstr.) **(Fre)**

[Dosage of hormonal receptors for DHT in programming therapy for prostatic cancer] Reggiani A, et al. **Acta Urol Belg** 1980 Jan;48(1):79–84 **(Fre)**

[Estracyt and radiotherapy in the treatment of prostatic cancer] Van Regemorter G, et al. **Acta Urol Belg** 1980 Jan;48(1):138–48 **(Fre)**

[Treatment of prostatic cancer with diethylstilboestrol and detection of the vascular risk (author's transl)] Abbou CC, et al. **Nouv Presse Med** 1980 Mar 29;9(15):1067–71 (Eng. Abstr.) **(Fre)**

[Recent data about prostatic carcinoma (author's transl)] Coune A. **Rev Med Brux** 1980 May;1(5):311–4 (Eng. Abstr.) **(Fre)**

[Estracyt, new therapeutic agent for cancer of the prostate] Bouffioux C, et al. **Rev Med Liege** 1980 Dec 15; 35(24):865–70 **(Fre)**

[Cancer of the prostate: metabolic effects of percutaneously administered beta-estradiol] Steg A, et al. **Rev Med Suisse Romande** 1980 Nov;100(11):895–7 **(Fre)**

[Treatment of advanced prostatic carcinoma using polyestradiol phosphate (Estradurin)] Bülow H. **Med Welt** 1980 Aug 22;31(34):1215–7 **(Ger)**

[Behavior of serum acid phosphatases following specific immunotherapy of metastasizing prostatic carcinoma] Rothauge CF, et al. **Med Welt** 1981 Jan 9;32(2):50–3 **(Ger)**

[Bioavailability of cyproterone acetate after oral and intramuscular application in men (author's transl)] Becker H, et al. **Urol Int** 1980;35(6):381–5 (Eng. Abstr.) **(Ger)**

[Hormone therapy of prostatic cancer (author's transl)] Altwein JE, et al. **Urologe [Ausg A]** 1980 Nov;19(6):350–7 (Eng. Abstr.) **(Ger)**

[Evaluation of cytomorphological parameters during hormonal therapy of prostatic carcinoma (author's transl)] Keller AJ, et al. **Urologe [Ausg A]** 1981 Jul;20(4):228–30 (Eng. Abstr.) **(Ger)**

[Effects of cyproterone acetate on cardiovascular risk factors in patients with carcinoma of the prostate (author's transl)] Varenhorst E, et al. **Urologe [Ausg A]** 1981 Jul;20(4):218–22 (Eng. Abstr.) **(Ger)**

[Serum prolactin levels during therapy of prostatic cancer with oestradiol-17 beta-undecylate and cyproterone acetate (author's transl)] Spona J, et al. **Wien Klin Wochenschr [Suppl]** 1980 Jul 4;92(14):494–7 (Eng. Abstr.) **(Ger)**

[Serum testosterone and acid phosphatase levels in patients with prostatic cancer treated with Estracyt] Németh A, et al. **Orv Hetil** 1981 Apr 26;122(17):1017–20 **(Hun)**

[Bromocryptin, a new therapeutic principle in adenoma and carcinoma of the prostate. Presuppositions, possibilities and limitations] Jacobi GH, et al. **Minerva Urol** 1980 Jul–Sep; 32(3):167–73 **(Ita)**

[Histological modifications in carcinoma of the prostate during treatment with medroxyprogesterone acetate] Costa V, et al. **Pathologica** 1979 Nov–Dec;71(1016):845–9 (Eng. Abstr.) **(Ita)**

[Studies of clinical effects of ethinyl estradiol (a natural estrogen) on prostatic carcinoma (author's transl)] Kitajima N, et al. **Horumon To Rinsho** 1981 Feb;29(2):223–8 **(Jpn)**

[Fundamental and clinical study on antiandrogens—androgen-dependency of prostatic tumors and clinical application of antiandrogens (author's transl)] Shida K. **Horumon To Rinsho** 1980 Aug;28(8):899–928 (63 ref.) **(Jpn)**

[The clinical effect of chlormadinone acetate on carcinoma of the prostate (author's transl)] Matsuoka M, et al. **Nippon Hinyokika Gakkai Zasshi** 1980 Sep;71(9):1010–23 (Eng. Abstr.) **(Jpn)**

[Effect of the hormonal treatment of prostate cancer on the

hemostasis system] Chekalina SI, et al.
Urol Nefrol (Mosk) 1981 Jan-Feb;(1):36-8 (Eng. Abstr.) **(Rus)**

[Estracit in the therapy of prostatic carcinoma] Orešić V, et al. **Acta Chir Iugosl** 1980;27 Suppl 1:587-9 **(Scr)**

[Treatment of prostatic disorders with a combination of Prunus africana and benzidamine] Ahmad Samhan K.
Arch Esp Urol 1980 Jul-Aug;33(4):417-24 (Eng. Abstr.) **(Spa)**

[Mesenteric venous thrombosis--a complication of estrogen therapy of prostatic cancer] Järhult J, et al.
Lakartidningen 1980 Aug 27;77(35):2911-2 (Eng. Abstr.) **(Swe)**

ENZYMOLOGY

Isocitrate dehydrogenase activity in untreated and treated benign prostatic hypertrophy and adenocarcinomatous prostate. Leus R, et al. **Acta Urol Belg** 1981 Jan;49(1):61-3

Aldolase activity in benign prostatic hypertrophy and adenocarcinomatous prostate. Verlooy J, et al.
Acta Urol Belg 1980 Jan;48(1):65-7

Prostatic histogenesis of metastases [letter] Ablin RJ.
Am J Clin Pathol 1981 Jan;75(1):129-30

A simple immunohistochemical method for the detection of prostatic acid phosphatase. Lee P, et al.
Arch Pathol Lab Med 1981 Apr;105(4):205-6

Lactate dehydrogenase isoenzymes in benign and malignant prostatic tissues. Mazzuca A, et al.
Boll Soc Ital Biol Sper 1980 Apr 15;56(7):690-2

Carcinoplacental isoenzyme (Regan) in carcinoma of the prostate. National Prostatic Cancer Project. Slack NH, et al. **Cancer** 1981 Jan 1;47(1):146-51

Effectiveness of radioimmunoassay of human prostate-specific acid phosphatase in the diagnosis and follow-up of therapy in prostatic carcinoma. Vihko P, et al. **Cancer Res** 1981 Mar;41(3):1180-3

Case report: changes in creatine kinase isoenzymes after myocardial infarction in a patient with prostatic carcinoma. Alexander RL Jr. **Clin Chem** 1980 Apr;26(5):661-3

Prostatic acid phosphatase as measured with two radioimmunoassay kits in the detection of prostatic adenocarcinoma. Brody JP, et al. **Clin Chem** 1981 Apr; 27(4):605-7

Rapid, fully automated radioimmunoassay of prostatic acid phosphatase in serum. Dass S, et al. **Clin Chem** 1980 Oct; 26(11):1583-7

Radioimmunoassay of creatine kinase B-isoenzymes in serum of patients with azotemia, obstructive uropathy, or carcinoma of the prostate or bladder. Homburger HA, et al. **Clin Chem** 1980 Dec;26(13):1821-4

The evaluation of a new enzyme immunoassay for the measurement of prostatic acid phosphatase. Cooper EH, et al. **Clin Chim Acta** 1981 Jun 2;113(1):27-34

Quantitative counterimmunoelectrophoresis assay for prostatic acid phosphatase. Killian CS, et al.
Invest Urol 1980 Nov;18(3):219-24

The effect of manipulation of the prostate gland on serum prostate-specific acid phosphatase measured by radioimmunoassay. Vihko P, et al. **Invest Urol** 1981 Mar; 18(5):334-6

Bone marrow acid phosphatase by radioimmunoassay: 3 years of experience. Belville WD, et al. **J Urol** 1981 Jun; 125(6):809-11

The significance of prostatic acid phosphatase in adenocarcinoma of the prostate. Bruce AW, et al.
J Urol 1981 Mar;125(3):357-60

Radioimmunoassay for prostatic acid phosphatase [letter] Howards SS, et al. **J Urol** 1980 Nov;124(5):753-4

Immunohistochemical evaluation of prostatic carcinoma before and after radiotherapy. Mahan DE, et al. **J Urol** 1980 Oct;124(4):488-91

Immunofluorescence for prostatic acid phosphatase: clinical applications. Pontes JE, et al. **J Urol** 1981 Aug;126(2):187-9

Will prostatic acid phosphatase determination by radioimmunoassay increase the diagnosis of early prostatic cancer? Quinones GR, et al. **J Urol** 1981 Mar;125(3):361-4

Modern concepts of acid and alkaline phosphatase measurement. Beckley S, et al.
Scan J Urol Nephrol [Suppl] 1980;55:65-70

New assays for prostatic acid phosphatase and alkaline phosphatase isoenzymes. Pontes JE. **Urology** 1981 Mar; 17(Suppl 3):38-9 (18 ref.)

[Changes in acid phosphatase levels during various prostatic operations] Vitsou-Georgallis H, et al. **Acta Urol Belg** 1980 Oct;48(4):488-97 (Eng. Abstr.) **(Fre)**

[Acid phosphatase in the bone marrow: diagnostic value in prostatic carcinoma] Tenaillon M, et al. **J Urol (Paris)** 1980; 86(2):107-10 (Eng. Abstr.) **(Fre)**

[Diagnostic significance of immunologically determined serum acid phosphatase in prostatic cancer] Brühl P, et al. **Dtsch Med Wochenschr** 1981 Jun 5;106(23):752-4 **(Ger)**

[Determination of acid phosphatase in prostatic carcinoma] Bauer HW, et al. **Fortschr Med** 1980 Sep 11;98(34):1301-5 (Eng. Abstr.) **(Ger)**

[Diurnal variation of the elevated acid phosphatase activity in cases of prostate carcinoma (author's transl)] Wisser H, et al. **J Clin Chem Clin Biochem** 1980 May;18(5):297-301 (Eng. Abstr.) **(Ger)**

[Studies on acid phosphatase in prostatic cancer. III. Production of specific antibody against human prostatic acid phosphatase (author's transl)] Morishita N.
Nippon Hinyokika Gakkai Zasshi 1980 Jun;71(6):562-6 (Eng. Abstr.) **(Jpn)**

[Studies on acid phosphatase in prostatic cancer. IV. Immunochemical assay of prostatic acid phosphatase (author's transl)] Morishita N.
Nippon Hinyokika Gakkai Zasshi 1980 Jun;71(6):567-71 (Eng. Abstr.) **(Jpn)**

[Correlation and development of the enzyme activity of phosphatases and the gammagraphic distribution of bone deposits in prostatic cancer (preliminary study)] Maganto Pavón E, et al. **Actas Urol Esp** 1981 Mar-Apr;5(2):93-8 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Nutrition and cancer--on the mechanisms bearing on causes of cancer of the colon, breast, prostate, and stomach. Weisburger JH, et al. **Bull NY Acad Med** 1980 Oct; 56(8):673-96

Environmental factors and breast and prostatic cancer. Hill P, et al. **Cancer Res** 1981 Sep;41 Pt 2(9):3817-8

Nutritional habits of blacks and whites. Mettlin C.
Prev Med 1980 Sep;9(5):601-6

FAMILIAL & GENETIC

Chromosomal analysis of human prostatic adenocarcinoma cell lines. Ohnuki Y, et al. **Cancer Res** 1980 Mar; 40(3):524-34

IMMUNOLOGY

Immunomodulatory effects of oestrogen in prostatic cancer: update and further consideration. Ablin RJ.
Allergol Immunopathol (Madr) 1981 Jan-Feb;9(1):63-70

Orbital metastasis from prostatic carcinoma. Identification by an immunoperoxidase technique. Winkler CF, et al.
Arch Ophthalmol 1981 Aug;99(8):1406-8

Quantitation of prostate-specific antigen in serum by a sensitive enzyme immunoassay. Kuriyama M, et al.
Cancer Res 1980 Dec;40(12):4658-62

Prostate-specific acid phosphatase [letter] Ablin RJ.
Clin Chem 1980 Oct;26(11):1632-3

Cell-mediated immunity in prostatic cancer. Ablin RJ, et al. **Clin Oncol** 1980 Sep;6(3):253-64

Immunosuppression of cell- and serum-medicated tumour-associated immunity in prostatic cancer by human seminal plasma. Ablin RJ, et al. **Eur J Cancer** 1980 Jun; 16(6):775-80

HLA-A,B antigens Ia-like antigens, and tumor-associated antigens on prostate carcinoma cell lines: serologic and immunochemical analysis with monoclonal antibodies. Ng AK, et al. **J Immunol** 1981 Aug;127(2):443-7

Effect of human seminal plasma on tumour-associated immunity in patients with adenocarcinoma of the prostate. Ablin RJ, et al. **J Reprod Immunol** 1980 Feb;1(5-6):337-45

The immune response to prostate cancer: an evaluation and a review. Guinan P, et al. **J Surg Oncol** 1980;15(4):309-18

Human leukocyte A and B antigens in patients with prostatic adenocarcinoma. Barry JM, et al. **J Urol** 1980 Dec; 124(6):847-8

Suppressor cells in immunodepressed bladder and prostate cancer patients. Herr HW. **J Urol** 1980 May;123(5):635-9

Prostaglandin E2 affects the tumor immune response in prostatic carcinoma. Kaneti J, et al. **J Urol** 1981 Jul; 126(1):65-70

Characterization of effector cells responsible for cell-mediated cytotoxicity in patients with carcinoma of the prostate. Ackermann R, et al. **Urol Int** 1981;36(1):46-52

METABOLISM

Sex steroid hormone receptors and human prostatic hyperplasia and carcinoma. Robel P. **Ann Clin Res** 1980 Oct;12(5):216-22 (53 ref.)

Dihydrotestosterone receptors in the human prostate. I. Nuclear concentration in normal, benign, and malignant tissues. Lehoux JG, et al. **Arch Androl** 1980 Nov; 5(3):237-48

Plasminogen activator in prostatic tumors of Nb rats. Rennie PS, et al. **Biochim Biophys Acta** 1980 Oct 15;632(3):437-43

Nuclear binding of androgens and acid phosphatase activity in prostatic tumors of Nb rats. Rennie PS, et al.
Biochim Biophys Acta 1980 Oct 15;632(3):428-36

Comparison of the sequence complexity and abundance frequency of polyadenylated messenger RNA in human breast and prostate carcinoma cells. Arya SK.
Cancer Res 1981 Sep;41(9 Pt 1):3566-70

Androgen receptor protein in the androgen-dependent Dunning R-3327 prostate carcinoma. Lea OA, et al.
Cancer Res 1981 Feb;41(2):619-23

Effect of oestrogen treatment on testicular LH/HCG receptors and endogenous steroids in prostatic cancer patients. Huhtaniemi I, et al. **Clin Endocrinol (Oxf)** 1980 Dec;13(6):561-8

Identification of an 8S androgen receptor-promoting factor that converts the 4.5S form of the androgen receptor to 8S. Colvard DS, et al. **Endocrinology** 1981 Aug; 109(2):496-504

Relationship between prostatic cytoplasmic and nuclear androgen receptors in patients with carcinoma of the prostate. Ghanadian R, et al. **Eur Urol** 1981;7(1):39-40

Altered androgen metabolism in carcinoma of the prostate. Ghanadian R, et al. **Eur Urol** 1981;7(3):169-70

Effects of oestrogens, orchidectomy and cyproterone acetate on salt and water metabolism in carcinoma of the prostate. Varenhorst E, et al. **Eur Urol** 1981;7(4):231-6

Flow cytometric monitoring of R 3327 rat prostate carcinoma. Collins JM, et al. **Invest Urol** 1981 Jul; 19(1):8-13

Effects of estrogen treatment on human testicular unconjugated steroid and steroid sulfate production in vivo. Leinonen P, et al. **J Clin Endocrinol Metab** 1981 Sep; 53(3):569-73

Relationships between oestradiol-17 beta, testosterone, dihydrotestosterone and 5 alpha-androstane-3 alpha, 27 beta-diol in human benign hypertrophy and carcinoma of the prostate. Ghanadian R, et al. **J Endocrinol** 1981 Feb; 88(2):255-62

A x C rat prostate adenocarcinoma: initial characterization of testosterone regulation of hormone receptors of cultured cancer cells and derived tumors. Shain SA, et al. **JNCI** 1981 Mar;66(3):565-74

Evaluation of androgen metabolism studies in human prostate cancer--correlation with zinc levels. Habib FK.
Prev Med 1980 Sep;9(5):650-6

Sensitive biochemical methods to distinguish hormone dependent and independent Dunning tumors of prostatic origin. Chung LW, et al. **Proc West Pharmacol Soc** 1981; 24:305-10

Prostate cancer. Hormonal relationships, receptors, and tumour markers. Harper ME, et al.
Recent Results Cancer Res 1981;78:44-59 (65 ref.)

Prognostic significance of nuclear DNA levels in prostatic carcinoma. Zetterberg A, et al.
Scan J Urol Nephrol [Suppl] 1980;55:53-8

Interaction of prolactin and testosterone in the human prostate. Farnsworth WE, et al. **Urol Res** 1981 Apr 24; 9(2):79-88

Control of prostate growth. Coffey DS, et al. **Urology** 1981 Mar;17(Suppl 3):17-24 (45 ref.)

Androgen receptors in prostate cancer. White RD, et al.
Urology 1981 Apr;17(4 Suppl):24-6

[Possibilities for the evaluation of receptor sites in benign prostatic hyperplasia and carcinoma of the prostate (author's transl)] Fischer D, et al. **Urologe [Ausg A]** 1980 Nov;19(6):326-30 (Eng. Abstr.) **(Ger)**

[The endocrine profile in prostatic cancer: therapeutic implications] Calvo Mateo MA, et al. **Actas Urol Esp** 1981 Jan-Feb;5(1):3-12 (100 ref.) (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Herpes simplex type 2 neutralization antibodies in patients with cancers of urinary bladder, prostate, and cervix. Lüleci G, et al. **J Surg Oncol** 1981;16(4):327-31

The relationship of herpesvirus to carcinoma of the prostate. Baker LH, et al. **J Urol** 1981 Mar;125(3):370-4

MORTALITY

A cohort study of mortality from cancer of the prostate in Catholic priests. Ross RK, et al. **Br J Cancer** 1981 Feb; 43(2):233-5

Cohort mortality and prostate cancer. Barrett JC.
J Biosoc Sci 1980 Jul;12(3):341-4

Prostate cancer mortality among Catholic priests. Michalek AM, et al. **J Surg Oncol** 1981;17(2):129-33

Prognosis of patients with stage D1 prostatic adenocarcinoma. Kramer SA, et al. **J Urol** 1981 Jun; 125(6):817-9

Prostate cancer. Perspectives and prospects. Chisholm GD.
Recent Results Cancer Res 1981;78:173-84 (36 ref.)

Adenocarcinoma of the prostate: an overview. Dröller MJ.
Urol Clin North Am 1980 Oct;7(3):579-81

[Course of prostate cancer] Heinrichs HJ, et al.
Z Urol Nephrol 1980 Oct;73(10):737-9 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Relation between male breast cancer and prostate cancer. Sobin LH, et al. **Br J Cancer** 1980 Nov;42(5):787-90

Cadmium and prostatic cancer in Alberta [letter] Bako G, et al. **Can Med Assoc J** 1981 Jan 15;124(2):121

A private practice experience with adenocarcinoma of the prostate in men less than 50 years old. Cochran JS, et al. J Urol 1981 Feb;125(2):220-1

Howard University/Enviro Control Conference on Esophageal and Prostatic Cancer in Blacks and Whites. **Prev Med** 1980 Sep;9(5):587-697

Reliability of reported death rates and incidence rates. Devesa SS. **Prev Med** 1980 Sep;9(5):589-600

Environmental factors, hormone status, and prostatic cancer. Hill P, et al. **Prev Med** 1980 Sep;9(5):657-66

Epidemiology of prostatic cancer in blacks. Schuman LM, et al. **Prev Med** 1980 Sep;9(5):630-49

Factors involved in the high incidence of prostatic cancer among American blacks. Jackson MA, et al.
Prog Clin Biol Res 1981;53:111-32

Prostate cancer. Epidemiology. Alderson MR.
Recent Results Cancer Res 1981;78:1-19 (106 ref.)

The problem of prostatic carcinoma in Cuba. Rodriguez-Machado J. **Scan J Urol Nephro [Suppl]** 1980; 55:23-4

Etiological and epidemiological considerations in prostatic cancer. Bouffioux CR. **Scan J Urol Nephrol [Suppl]** 1980; 55:9-16

Incidence of prostatic cancer in Japan and Asia. Niijima T, et al. **Scan J Urol Nephrol [Suppl]** 1980;55:17–21
Prostatic carcinoma in Egypt: epidemiology and etiology. Sherif M, et al. **Scan J Urol Nephrol [Suppl]** 1980;55:25–6
Incidence of prostatic carcinoma. Sobin LH. **Scan J Urol Nephrol [Suppl]** 1980;55:7–8
Incidence and etiology of prostate cancer. Hutchison GB. **Urology** 1981 Mar;17(Suppl 3):4–10 (30 ref.)
Prostate cancer today. Murphy GP. **Urology** 1981 Mar; 17(Suppl 3):1–3
[Prostatic carcinoma: incidence, complications, biology] Todorova R, et al. **Khirurgiia (Sofiia)** 1981;34(2):147–51 (Eng. Abstr.) **(Bul)**
[Prevalence of latent prostatic carcinoma (author's transl)] Yatani R. **Rinsho Byori** 1980 Aug;28(8):785–8 **(Jpn)**

PATHOLOGY

Carcinoma of the prostate: lymph node aspiration for staging. Efremidis SC, et al. **AJR** 1981 Mar;136(3):489–92
Benign glandular inclusion in prostatic nerve. Cramer SF. **Am J Clin Pathol** 1981 Jun;75(6):854–5
Osteoblastic prostate carcinoma metastatic to the orbit. Wolter JR, et al. **Am J Ophthalmol** 1981 May;91(5):648–51
Invasion of the rectum by carcinoma of the prostate. Goldfarb S, et al. **Arch Surg** 1980 Sep;115(9):1117–9
Condylar metastasis from a carcinoma of the prostate gland. Wolujewicz MA. **Br J Oral Surg** 1980 Sep;18(2):175–82
Assessment of progression of secondary bone lesions following cancer of the breast or prostate using serial radionuclide imaging. Condon BR, et al. **Br J Radiol** 1981 Jan;54(637):18–23
An index for monitoring bone metastases from carcinoma of the prostate. Hardy JG, et al. **Br J Radiol** 1980 Sep; 53(633):869–73
Retrovesical liposarcoma. Das S, et al. **Br J Urol** 1980 Apr; 52(2):163
Flutamide in the treatment of metastatic carcinoma of the prostate. Narayana AS, et al. **Br J Urol** 1981 Apr; 53(2):152–3
Procedures in practice. Prostatic biopsy. Rhind JR. **Br Med J** 1980 Sep 13;281(6242):722–3
The incidence and extent of pelvic lymph node metastases in apparently localized prostatic cancer. Fowler JE Jr, et al. **Cancer** 1981 Jun 15;47(12):2941–5
Comparative morphology of primary and secondary deposits of prostatic adenocarcinoma. Kramer SA, et al. **Cancer** 1981 Jul 15;48(2):271–3
A fluorescent probe for rapid detection of estrogen receptors. Rao BR, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2902–6
Carcinoma of the prostate in childhood and adolescence: report of a case and review of the literature. Shimada H, et al. **Cancer** 1980 Dec 1;46(11):2534–42 (24 ref.)
Relationship of ectopic ACTH production to tumor differentiation: a morphologic and immunohistochemical study of prostatic carcinoma with Cushing's syndrome. Vuitch MF, et al. **Cancer** 1981 Jan 15;47(2):296–9
Modulation of growth of a human prostatic cancer cell line (PC-3) in agar culture by normal human lung fibroblasts. Kirk D, et al. **Cancer Res** 1981 Mar;41(3):1100–3
Development of androgen-stimulated transplants of Nb rat carcinoma of the dorsal prostate and their response to sex hormones and tamoxifen. Noble RL. **Cancer Res** 1980 Oct; 40(10):3551–4
Production of Nb rat carcinoma of the dorsal prostate and response of estrogen-dependent transplants to sex hormones and tamoxifen. Noble RL. **Cancer Res** 1980 Oct; 40(10):3547–50
Cutaneous metastases. Report of two cases of prostatic cancer. Landow RK, et al. **Cutis** 1980 Oct;26(4):399–401, 409
The endocrine component of prostatic carcinomas, mixed adenocarcinoma-carcinoid tumours and non-tumour prostate. Histochemical and ultrastructural identification of the endocrine cells. Capella C, et al. **Histopathology** 1981 Mar;5(2):175–92
Prostatic carcinoma: significance of histopathological findings. Mostofi FK.
In: Clinical conference on cancer, 23d, M. D. Anderson Hospital and Tumor Institute, Houston, 1978. Cancer of the genitourinary tract. New York : Raven Press, 1979. W3 C162H 23d 1978c c.1 pp.:189–94
Squamous cell carcinoma of prostate. Sharma SK, et al. **Indian J Cancer** 1980 Jun;17(2):134–5
The characterization of a newly identified, highly metastatic variety of Dunning R 3327 rat prostatic adenocarcinoma system: the MAT LyLu tumor. Isaacs JT, et al. **Invest Urol** 1981 Jul;19(1):20–3
Lymphangitic ureteral metastases from prostatic carcinoma. Campbell JE, et al. **J Can Assoc Radiol** 1980 Sep; 31(3):158–62
Value of xenografts in the investigation of prostatic function: preliminary communication. Jones MA, et al. **J R Soc Med** 1980 Oct;73(10):708–12
Estradiol-3-dansylate used as a fluorescent histochemical stain, a possible prognostic aid for nondisseminating prostatic carcinoma. Van Dalen JP. **J Surg Oncol** 1981; 17(4):373–8
Burkitt's lymphoma mimicking prostatitis. Boe S, et al. **J Urol** 1981 Jun;125(6):891–2
Staging pelvic lymphadenectomy for carcinoma of the prostate risk versus benefit. Brendler CB, et al. **J Urol** 1980 Dec;124(6):849–50
Pathological factors that influence prognosis in stage A prostatic cancer: the influence of extent versus grade. Cantrell BB, et al. **J Urol** 1981 Apr;125(4):516–20
Yield from routine prostatic needle biopsy in patients more than 50 years old referred for urologic evaluation: a preliminary report. Catalona WJ. **J Urol** 1980 Dec; 124(6):844–6
Percutaneous pelvic lymph node aspiration in carcinoma of the prostate. Correa RJ Jr, et al. **J Urol** 1981 Aug; 126(2):190–1
Long-term survivor of prostatic carcinoma with lung metastases. Falkowski WS, et al. **J Urol** 1981 Feb; 125(2):260–2
Histologic grading of primary prostatic cancer: a new approach to an old problem. Gaeta JF, et al. **J Urol** 1980 May;123(5):689–93
Signet ring adenocarcinoma of the prostate. Giltman LI. **J Urol** 1981 Jul;126(1):134–5
Staging pelvic lymphadenectomy for carcinoma of the prostate review of 91 cases. Grossman IC, et al. **J Urol** 1980 Nov;124(5):632–4
Meningeal carcinomatosis secondary to prostatic carcinoma: case report. Mahadevia PS, et al. **J Urol** 1980 Jul; 124(1):154–5
Carcinosarcoma of the prostate: case report and review of the literature. Quay SC, et al. **J Urol** 1981 Mar;125(3):436–8
Mucus-forming adenocarcinoma of the prostate gland. Lanesky JR, et al. **JAOA** 1980 Aug;79(12):775–6
Histogenesis and morphology of naturally occurring prostatic carcinoma in the ACI/segHapBR rat. Ward JM, et al. **Lab Invest** 1980 Dec;43(6):517–22
Adenocarcinoma of the prostate; mucin secreting. Patel RC, et al. **NY State J Med** 1981 May;81(6):936–7
Histologic grading of prostatic carcinoma. Böcking A, et al. **Pathol Res Pract** 1980;168(1–3):115–25
Correlations between atypical primary hyperplasia and carcinoma of the prostate. A histological study of 180 total prostatectomies. Kastendieck H. **Pathol Res Pract** 1980; 169(3–4):366–87
Prostate cancer. Growth kinetics. Alison MR, et al. **Recent Results Cancer Res** 1981;78:29–43 (49 ref.)
Prostate cancer. Pathology and natural history. Pugh RC. **Recent Results Cancer Res** 1981;78:60–75
Transrectal aspiration biopsy of the prostate. A re-evaluation of the method in the diagnosis of prostatic carcinoma. Esposti PL, et al. **Scan J Urol Nephrol [Suppl]** 1980; 55:49–52
Pathology of prostatic cancer. Hohbach C, et al. **Scan J Urol Nephrol [Suppl]** 1980;55:37–47
Carcinoma of the prostate in specimens removed for benign hyperplasia. Hradec E, et al. **Scan J Urol Nephrol [Suppl]** 1980;55:193–6
Preoperative scanning: evaluation for metastatic disease in carcinoma of the breast, lung, colon, bladder, and prostate. Smalley RV, et al. **Semin Oncol** 1980 Dec;7(4):358–69 (68 ref.)
Prostatic carcinoma: a trilogy of clinical expressions. Johnson DE, et al. **South Med J** 1980 Oct;73(10):1304–7
The treatment of cervical spine metastasis from the prostate with a Halo cast. Danzig LA, et al. **Spine** 1980 Sep-Oct; 5(5):395–8
Metastatic brain tumor from the prostate: two unusual cases. Smith VC, et al. **Surg Neurol** 1980 Sep;14(3):189–91
Percutaneous transperitoneal fine needle biopsy of normal looking lymph nodes and small lesions at lymphography: a preliminary report. Göthlin JH, et al. **Urol Radiol** 1979–1980;1(4):237–9
Isolation, in vitro cultivation, and electron microscopy of normal and malignant prostatic epithelial cells from the Copenhagen rat. Feuchter FA, et al. **Urol Res** 1980 Sep 11;8(3):139–52
Prostate tumor biology and cell kinetics--theory. Coffey DS, et al. **Urology** 1981 Mar;17(Suppl 3):40–53 (60 ref.)
Prostatic carcinoma. Influence of tumor grade on results of pelvic lymphadenectomy. Donohue RE, et al. **Urology** 1981 May;17(5):435–40
Carcinoma of prostate metastatic to breast. Drelichman A, et al. **Urology** 1980 Sep;16(3):250–5
Glandular profiles and cellular patterns in prostatic cancer grading. National Prostatic Cancer Project System. Gaeta JF. **Urology** 1981 Mar;17(Suppl 3):33–7
Stage A prostate cancer from pathologist's viewpoint. Golimbu M, et al. **Urology** 1981 Aug;18(2):134–6
Roles of lymphangiography and pelvic lymphadenectomy in staging prostate cancer. Johnson DE, et al. **Urology** 1981 Mar;17(Suppl 3):66–71 (38 ref.)
Carcinosarcoma of prostate. Krastanova LJ, et al. **Urology** 1981 Jul;18(1):85–8
Normal and pathologic anatomy of prostate. McNeal JE. **Urology** 1981 Mar;17(Suppl 3):11–6
Nodal involvement as prognostic indicator in prostatic carcinoma. Prout GR Jr, et al. **Urology** 1981 Mar;17(Suppl 3):72–9
Lymph node evaluation in prostatic cancer: is pelvic lymph node dissection necessary? Wajsman Z. **Urology** 1981 Mar; 17(Suppl 3):80–2
Adenocarcinoma of prostate in a twenty-seven-year-old man. Weitzner S, et al. **Urology** 1980 Sep;16(3):286–8
The biological significance of atypical hyperplasia of the prostate. Helpap B. **Virchows Arch [Pathol Anat]** 1980; 387(3):307–17
[Case of triple localization of neoplasms in a patient] Damianov D, et al. **Khirurgiia (Sofiia)** 1981;34(2):195–8 **(Bul)**
[Fibrosarcoma of the prostate] Kumanov Kh, et al. **Khirurgiia (Sofiia)** 1981;34(2):190–4 **(Bul)**
[Flow-cytometric DNA analysis and cytomorphological assessment of prostatic cancer under estrogen therapy. Prognostic values] Thommesen P, et al. **Ugeskr Laeger** 1980 Sep 8;142(37):2417–9 (Eng. Abstr.) **(Dan)**
[Prostatic adenoma and large distension of the urinary tract] Viville C, et al. **Acta Urol Belg** 1980 Jul;48(3):329–42 (Eng. Abstr.) **(Fre)**
[Diagnosis of prostatic cancer by prostatic cyto-aspiration with the Franzen needle] Steg A, et al. **Chirurgie** 1981; 107(1):82–3 **(Fre)**
[Cytological diagnosis of prostatic cancer by transrectal aspiration biopsy (author's transl)] Clavel E, et al. **Sem Hop Paris** 1980 May 18–25;56(19–20):972–8 (Eng. Abstr.) **(Fre)**
[The incidence of regional lymph node metastases in operable prostatic carcinoma (author's transl)] Kastendieck H, et al. **Dtsch Med Wochenschr** 1980 Sep 26;105(39):1348–54 (Eng. Abstr.) **(Ger)**
[Transrectal aspiration biopsy of the prostate] Göttinger H, et al. **Fortschr Med** 1980 Sep 11;98(34):1273–8 (Eng. Abstr.) **(Ger)**
[Lymphatic metastasis in prostatic carcinoma. Diagnostic value of staging and transcutaneous needle biopsy] Rothenberger K, et al. **Fortschr Med** 1980 Sep 11; 98(34):1279–82 (Eng. Abstr.) **(Ger)**
[Morphology of prostate carcinoma in biopsies and total prostatectomies. Relevance of biopsy findings] Kastendieck H. **Pathologe** 1980 Nov;2(1):31–43 **(Ger)**
[Carcinoma of prostate (author's transl)] Hauri D, et al. **Praxis** 1981 Jun 9;70(24):1073–85 (96 ref.) (Eng. Abstr.) **(Ger)**
[Computer tomographic staging of prostatic carcinomas (author's transl)] Lütgemeier J, et al. **ROEFO** 1981 May; 134(5):503–6 (Eng. Abstr.) **(Ger)**
[Analysis and comparison of clinical staging and morphologic classification of 165 prostatic carcinomas after radical prostatectomy (author's transl)] Kastendieck H, et al. **Urologe [Ausg A]** 1980 Nov;19(6):331–9 (Eng. Abstr.) **(Ger)**
[Clinical significance of prostate cytology] Faul P. **Z Urol Nephrol** 1980;73(7):549–54 (20 ref.) (Eng. Abstr.) **(Ger)**
[Value of computer tomography in the staging of bladder and prostatic cancer] Rost A, et al. **Z Urol Nephrol** 1981 Jun;74(6):419–25 (Eng. Abstr.) **(Ger)**
[Prostatic adenoma--prostatic carcinoma. Questions from the practice. Part I: Pathologic anatomy and diagnosis] Strohmenger P. **ZFA (Stuttgart)** 1980 Sep 30;56(27):1711–6 **(Ger)**
[Multiple primary malignant neoplasms associated with genito-urinary organs--report of twelve cases and review of the literature (author's transl)] Kamada H, et al. **Nippon Hinyokika Gakkai Zasshi** 1980 Jun;71(6):597–606 (Eng. Abstr.) **(Jpn)**
[Comparative evaluation of bone scanning, histological and biological studies of bone marrow in the staging of prostate cancer] Aguirre F, et al. **Actas Urol Esp** 1981 Mar-Apr; 5(2):99–104 (Eng. Abstr.) **(Spa)**
[Prostate cytology] de Azúa J, et al. **Actas Urol Esp** 1980 Nov-Dec;4(6):305–10 (Eng. Abstr.) **(Spa)**
[Anatomoclinical aspects of certain varieties of prostate cancer] Nogueira March JL, et al. **Actas Urol Esp** 1981 Mar-Apr;5(2):69–74 (Eng. Abstr.) **(Spa)**
[Carcinoma of the prostatic utricle] Sundblad AS, et al. **Medicina (B Aires)** 1980 Mar-Apr;40(2):179–82 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Evaluation of LH, FSH, TSH, Prl, and GH secretion in patients suffering from prostatic neoplasms. Rolandi E, et al. **Acta Endocrinol (Copenh)** 1980 Sep;95(1):23–6
Clotting predisposition in carcinoma of the prostate. Dobbs RM, et al. **J Urol** 1980 May;123(5):706–9
Hypothalamo-pituitary-adrenal axis in patients with prostatic carcinoma. Madajewicz S, et al. **Oncology** 1980;37(6):373–5
Influence of anti-mouse interferon serum on the growth and metastasis of tumor cells persistently infected with virus and of human prostatic tumors in athymic nude mice. Reid LM, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):1171–5
[Fibrinolysis in prostate carcinomas of varying grades of differentiation with respect to estrogen therapy and castration] Oehler D, et al. **Z Urol Nephrol** 1980 Mar; 73(3):201–10 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

New screening and diagnostic tests for prostate cancer and immunologic assessment. Catalona WJ, et al. **Urology** 1981 Mar;17(Suppl 3):61–5
A closer look at serum prostatic acid phosphatase as screening test. Kiesling VJ Jr, et al. **Urology** 1980 Sep; 16(3):242–4

RADIOGRAPHY

Detecting lymphatic metastases from prostatic carcinoma: superiority of CT. Levine MS, et al. **AJR** 1981 Aug; 137(2):207–11
Lymphograms in prostatic carcinoma: false-positive and

false-negative assessments in radiology. Sherwood T, et al. **Br J Radiol** 1981 Jan;54(637):15–7

The case of the prostatic cancer. Seaman WB. **Hosp Pract** 1980 Dec;15(12):97, 101

Revision of treatment planning for carcinoma of the prostate. Asbell SO, et al. **Int J Radiat Oncol Biol Phys** 1980 Jul; 6(7):861–5

Prostate cancer. Lymphography. Macdonald JS. **Recent Results Cancer Res** 1981;78:97–107

Computed tomography in the evaluation of the suspected carcinomatous prostate. Price JM, et al. **Urol Radiol** 1979; 1(1):39–42

Case profile: carcinoma of prostate presenting as large bladder tumor. Kruse JE, et al. **Urology** 1981 Jan;17(1):91

[Value of lymphography in prostatic cancer – comparison with pelvic en-bloc lymphadenectomy] Schubert J, et al. **Z Urol Nephrol** 1981 Apr;74(4):291–8 (Eng. Abstr.) **(Ger)**

[Value of roentgenologic methods in the T-category determination of prostatic cancer] Schubert J, et al. **Z Urol Nephrol** 1981 Apr;74(4):283–9 (Eng. Abstr.) **(Ger)**

[Lymph node staging in prostatic carcinoma Lymphography, pedal and intraprostatic lymphoscintigraphy, transcutaneous fine-needle lymph node biopsy and pelvic 'guided' lymphadenectomy. Considerations on a series of 20 cases (1 September 1978–31 January 1980)] Luciani L, et al. **Minerva Med** 1981 Apr 2;72(13):789–800 (55 ref.) (Eng. Abstr.) **(Ita)**

[Computerized tomography in the diagnosis of prostatic tumors] Gabunia RI, et al. **Urol Nefrol (Mosk)** 1981;(3):6–11 (Eng. Abstr.) **(Rus)**

[X-ray computed tomography in the diagnosis of bladder and prostate neoplasms] Lopatkin NA, et al. **Urol Nefrol (Mosk)** 1980 Sep–Oct;(5):3–7 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

The value of nuclear bone imaging in advanced prostatic cancer. Pollen JJ, et al. **J Urol** 1981 Feb;125(2):222–3

Prostate cancer. Nuclear medicine. Merrick MV, et al. **Recent Results Cancer Res** 1981;78:108–18 (23 ref.)

Serial bone scanning in the evaluation of stage and clinical course in carcinoma of the prostate. Johansson JE, et al. **Scan J Urol Nephrol [Suppl]** 1980;55:31–6

Bone scanning in prostatic cancer. Pollen JJ. **Urology** 1981 Mar;17(Suppl 3):31–2

[Osseous scintigraphy in prostatic cancer. Diagnostic and developmental significance] Oliveux A, et al. **Rev Med Suisse Romande** 1980 Nov;100(11):905–8 **(Fre)**

RADIOTHERAPY

Retropubic implantation of I125 in the treatment of prostatic carcinoma. Sommerkamp H, et al. **Acta Urol Belg** 1980 Jan;48(1):92–4

Prostatic carcinoma: rectal bleeding after radiation therapy. Kagan AR, et al. **AJR** 1981 Jun;136(6):1207–8

Anatomic localization of radioactive gold seeds of the prostate by computer-aided tomography. Elkon D, et al. **Comput Tomogr** 1981 Jan–Mar;5(1):89–93

Combined interstitial and external radiotherapy in the definitive management of carcinoma of the prostate. Guerriero WG, et al. **In: Clinical conference on cancer, 23d, M. D. Anderson Hospital and Tumor Institute, Houston, 1978. Cancer of the genitourinary tract. New York : Raven Press, 1979. W3 C162H 23d 1978c c.1 pp.**:207–16

Experience with limited-field irradiation for adenocarcinoma of the prostate. Hussey DH. **In: Clinical conference on cancer, 23d, M. D. Anderson Hospital and Tumor Institute, Houston, 1978. Cancer of the genitourinary tract. New York : Raven Press, 1979. W3 C162H 23d 1978c c.1 pp.**:217–28

Extended-field radiation therapy for prostatic adenocarcinoma: status report of a limited prospective trial. Pistenma DA, et al. **In: Clinical conference on cancer, 23d, M. D. Anderson Hospital and Tumor Institute, Houston, 1978. Cancer of the genitourinary tract. New York : Raven Press, 1979. W3 C162H 23d 1978c c.1 pp.**:229–47

Prostatic irradiation: iodine-125 implantation. Whitmore WF Jr, et al. **In: Clinical conference on cancer, 23d, M. D. Anderson Hospital and Tumor Institute, Houston, 1978. Cancer of the genitourinary tract. New York : Raven Press, 1979. W3 C162H 23d 1978c c.1 pp.**:195–205

Transperineal interstitial implantation of prostate cancer: a new method. Charyulu KK. **Int J Radiat Oncol Biol Phys** 1980 Sep;6(9):1261–6

The adverse influence of prior transurethral resection on prognosis in carcinoma of prostate treated by radiation therapy. McGowan DG. **Int J Radiat Oncol Biol Phys** 1980 Sep;6(9):1121–6

Irradiation of carcinoma of the prostate localized to the pelvis: analysis of tumor response and prognosis. Perez CA, et al. **Int J Radiat Oncol Biol Phys** 1980 May;6(5):555–63

Local control and reduced complications in split course irradiation of prostatic cancer. Pino y Torres JL, et al. **Int J Radiat Oncol Biol Phys** 1981 Jan;7(1):43–7

Combined I125 seed implant and external irradiation for carcinoma of prostate. Abadir R, et al. **J Can Assoc Radiol** 1980 Sep;31(3):190–2

I-125 implant of the prostate: a new technique. Kumar PP, et al. **J Natl Med Assoc** 1981 Feb;73(2):121–3

Transcoccygeal 125iodine prostatic implantation for adenocarcinoma. Ambrose SS. **J Urol** 1981 Mar; 125(3):365–9

Definitive radiation therapy for prostatic carcinoma: Mayo clinic experience. Cupps RE, et al. **J Urol** 1980 Dec; 124(6):855–9

Half body radiotherapy in the management of metastatic carcinoma of the prostate. Keen CW. **J Urol** 1980 May; 123(5):713–15

Re: the ultrastructural changes of prostate adenocarcinoma following external beam radiation therapy [letter] Kiesling VJ, et al. **J Urol** 1980 Sep;124(3):433

External beam radiotherapy for adenocarcinoma of the prostate: a clinical followup. Kiesling VJ, et al. **J Urol** 1980 Dec;124(6):851–4

Prognostic parameters in radiotherapeutic management of localized carcinoma of the prostate. Pilepich MV, et al. **J Urol** 1980 Oct;124(4):485–7

Histological characteristics of prostatic biopsies after 125iodine implantation. Schellhammer PF, et al. **J Urol** 1980 May;123(5):700–5

Prostate cancer. Radiotherapy. Bloom HJ. **Recent Results Cancer Res** 1981;78:132–53 (64 ref.)

External irradiation therapy in carcinoma of the prostate. Edsmyr F, et al. **Scan J Urol Nephrol [Suppl]** 1980;55:213–7

Orgotein efficacy in ameliorating side effects due to radiation therapy. Menander-Huber KB, et al. **Scan J Urol Nephrol [Suppl]** 1980;55:219–24

Experience with interstitial implantation of iodine 125 in the treatment of prostatic carcinoma. Sogani PC, et al. **Scan J Urol Nephrol [Suppl]** 1980;55:205–11

Treatment of early stage prostatic cancer by implantation of iodine-125 seeds. Lytton B, et al. **Surg Clin North Am** 1980 Oct;60(5):1215–23

Iodine-125 implantation in the management of localized prostatic carcinoma. Herr HW. **Urol Clin North Am** 1980 Oct;7(3):605–13

Improved quality of life following radical radiation therapy for early stage carcinoma of the prostate. Leibel SA, et al. **Urol Clin North Am** 1980 Oct;7(3):593–604

Sandwich radiotherapy (3,000 and 4,500 rads) around radical retropubic prostatectomy for stage C prostatic carcinoma. Gill WB, et al. **Urology** 1980 Nov;16(5):470–5

External radiotherapy. Hafermann MD. **Urology** 1981 Apr; 17(4 Suppl):15–23

Transperineal percutaneous I-125 implant of prostate. Kumar PP, et al. **Urology** 1981 Mar;17(3):238–40

[Treatment of prostatic cancer with radiotherapy] Ballanger R, et al. **Acta Urol Belg** 1980 Jan;48(1):86–91 (Eng. Abstr.) **(Fre)**

[Personal experience in radiotherapy] Van Regemorter G. **Acta Urol Belg** 1980 Jan;48(1):95 **(Fre)**

[Long-term results (5–10 years) of radiotherapy of inoperable carcinomas of the prostate (author's transl)] Del Regato JA. **Ann Radiol (Paris)** 1981 Mar;24(3):163–8 (Eng. Abstr.) **(Fre)**

[Endocavitary irradiation of cancer of the prostate] Dragon V, et al. **Rev Med Suisse Romande** 1980 Sep;100(9):755–62 **(Fre)**

[Radiotherapy of prostate carcinomas (author's transl)] Dietz R, et al. **Strahlentherapie** 1981 Jul;157(7):442–5 (Eng. Abstr.) **(Ger)**

[Percutaneous radiation therapy for localized and generalized stages of prostatic cancer (author's transl)] Müller RP, et al. **Strahlentherapie** 1981 Mar;157(3):153–6 (Eng. Abstr.) **(Ger)**

[Radiation therapy of prostatic carcinoma (author's transl)] Wannenmacher M. **Strahlentherapie** 1980 Nov; 156(11):737–41 (Eng. Abstr.) **(Ger)**

[Interstitial radiotherapy of prostatic carcinoma with 125-iodine. Radiation protection measures] Knüfermann H, et al. **Strahlentherapie [Sonderb]** 1978;75:213–6 **(Ger)**

[The combined treatment of prostate cancer (stage C) with definitive megavoltage irradiation and fast neutrons (DT, 14 MeV) (author's transl)] Franke HD, et al. **Urologe [Ausg A]** 1980 Nov;19(6):341–9 (Eng. Abstr.) **(Ger)**

[Suppression of testicular testosterone production by irradiation of the testis in prostatic cancer] Fleck H, et al. **Z Urol Nephrol** 1981 Jun;74(6):443–6 (Eng. Abstr.) **(Ger)**

[Radiotherapy of prostatic carcinoma] Jacobsen AB, et al. **Tidsskr Nor Laegeforen** 1980 Jul 10;100(19–21):1230–3 (Eng. Abstr.) **(Nor)**

[Roentgenotopometry in the radiation therapy of prostate cancer] Sviridova TV, et al. **Med Radiol (Mosk)** 1981 Feb; 26(2):36–40 (Eng. Abstr.) **(Rus)**

[Overall preparation of prostate cancer patients for radiation therapy] Tkachev SI. **Vestn Rentgenol Radiol** 1980 Nov-Dec;(6):71–5 (Eng. Abstr.) **(Rus)**

SECONDARY

Leukaemic infiltration of the prostate. Merimsky E, et al. **Br J Urol** 1981 Apr;53(2):150–51

Case report: Primary hyperparathyroidism coincident with metastatic carcinoma of the prostate. Shippel RM, et al. **J Tenn Med Assoc** 1980 Nov;73(11):803–4

Leukemic infiltration of the prostate: a case report. Blank B, et al. **J Urol** 1980 May;123(5):789–90

Metastatic renal carcinoma to the prostate gland: presentation as prostatic hypertrophy. Cihak RW, et al. **J Urol** 1980 May;123(5):791–2

Predictors of lymphatic spread in prostatic adenocarcinoma: uro-oncology research group study. Paulson DF, et al. **J Urol** 1980 May;123(5):697–9

[The metastatic prostate cancer. Effectiveness of a combination of female hormones and specific immune-stimulating therapy] Gutschank S, et al. **MMW** 1981 Jan 23;123(4):133–4 **(Ger)**

[Treatment of advanced metastasizing carcinoma of the prostate with estracyt (author's transl)] Rambausek M, et al. **Urologe [Ausg A]** 1981 Jul;20(4):223–7 (Eng. Abstr.) **(Ger)**

SURGERY

Five-year survival following cystoprostatectomy for embryonal rhabdomyosarcoma of the prostate. Rowse AD, et al. **Br J Urol** 1980 Aug;52(4):323

The management of transitional cell carcinoma in the prostate. Wolfe JH, et al. **Br J Urol** 1981 Jun;53(3):253–7

Radical retropubic prostatectomy and pelvic lymphadenectomy for high-stage cancer of the prostate. Zincke H, et al. **Cancer** 1981 Apr 1;47(7):1901–10

Radical retropubic prostatectomy after transurethral prostatic resection. Bass RB Jr, et al. **J Urol** 1980 Oct;124(4):495–7

Radical perineal prostatectomy for palpable, clinically localized, non-obstructive cancer: experience at the Johns Hopkins Hospital 1909–1963. Jewett HJ. **J Urol** 1980 Oct; 124(4):492–4

Pelvic lymphadenectomy in the management of carcinoma of the prostate. Lieskovsky G, et al. **J Urol** 1980 Nov; 124(5):635–8

Serum protein, enzyme and immunoglobulin responses following perineal cryosurgery for carcinoma of the prostate. Milleman LA, et al. **J Urol** 1980 May; 123(5):710–11

Prostate cancer. Surgery. Hendry WF. **Recent Results Cancer Res** 1981;78:119–31 (41 ref.)

Orchiectomy. Alfthan O. **Scan J Urol Nephrol [Suppl]** 1980; 55:117–20

VACURG studies of post-prostatectomy survival. Byar DP. **Scan J Urol Nephrol [Suppl]** 1980;55:113–6

Prostatic carcinoma: comments on radical surgical treatment. Schröder FH. **Scan J Urol Nephrol [Suppl]** 1980;55:181–5

Reconstruction of the urethra by a tube from a bladder flap during radical retropubic prostatectomy. Vahlensieck W. **Scan J Urol Nephrol [Suppl]** 1980;55:189–91

Total prostatectomy. Zoedler D, et al. **Scan J Urol Nephrol [Suppl]** 1980;55:187–8

The therapeutic role of pelvic lymphadenectomy in prostatic cancer. Morales P, et al. **Urol Clin North Am** 1980 Oct; 7(3):623–9

The prognostic role of lymphadenectomy in adenocarcinoma of the prostate. Paulson DF. **Urol Clin North Am** 1980 Oct;7(3):615–22

Radical perineal prostatectomy. Paulson DF. **Urol Clin North Am** 1980 Oct;7(3):847–53

Radical prostatectomy for the treatment of localized prostatic carcinoma. Walsh PC. **Urol Clin North Am** 1980 Oct; 7(3):583–91

Pearls: transurethral resection of prostate [letter] Becker LE. **Urology** 1981 Jun;17(6):628–9

VACURG randomised trial of radical prostatectomy for stages I and II prostatic cancer. Veterans Administration Cooperative Urological Research Group. Byar DP, et al. **Urology** 1981 Apr;17(4 Suppl):7–11

Private practice experience with radical surgical treatment of cancer of prostate. Cochran JS, et al. **Urology** 1981 Jun; 17(6):547–9

Perineal cryosurgery of prostate cancer. Loening S, et al. **Urology** 1981 Apr;17(4 Suppl):12–4

Indications and surgical approaches for prostatic cancer. Schmidt JD. **Urology** 1981 Apr;17(4 Suppl):4–6

Resolution of bony metastases after bilateral orchiectomy for carcinoma of prostate. Shortliffe LD, et al. **Urology** 1981 Apr;17(4):353–5

Lymphocele after pelvic lymphadenectomy for urologic cancer. Sogani PC, et al. **Urology** 1981 Jan;17(1):39–43

Randomized study of prostatic cancer [letter] Walsh PC. **Urology** 1981 Aug;18(2):219–20

[Cryosurgery of the prostate] Groenteman RM, et al. **Ned Tijdschr Geneeskd** 1981 May 9;125(19):731–4 (Eng. Abstr.) **(Dut)**

[Cryosurgery of the prostate: results in 188 patients (author's transl)] Schoenenberger A, et al. **Urologe [Ausg A]** 1980 Nov;19(6):358–64 (Eng. Abstr.) **(Ger)**

[Rare metastatic tumor of the ureter. Apropos of 2 new cases] Giannakopoulos X, et al. **Minerva Urol** 1980 Jul-Sep; 32(3):183–6 (Eng. Abstr.) **(Ita)**

[Use of cryodestruction in prostate cancer] Kliucharev BV, et al. **Vestn Khir** 1980 Sep;125(9):34–6 **(Rus)**

[Transurethral electroresection in prostate and bladder tumors] Ganzenko AZ. **Voen Med Zh** 1981 Jun;(6):54–5 **(Rus)**

THERAPY

Bilateral orchiectomy in patients with progressive advanced prostatic cancer. Denis L, et al. **Acta Urol Belg** 1980 Jan; 48(1):113–6

Transsphenoidal hypophysectomy. Tindall GT, et al.

AORN J 1981 Feb;33(2):246–52
The antitumour activity of maltose tetrapalmitate compared with other immunoadjuvants, and its effectiveness after tumour surgery. El Kappany H, et al. **Br J Cancer** 1980 Nov;42(5):703–11
Pituitary ablation in the relief of pain in advanced prostatic carcinoma. Fitzpatrick JM, et al. **Br J Urol** 1980 Aug; 52(4):301–4
The diagnosis of oestrogen escape and the role of secondary orchiectomy in prostatic cancer. Stone AR, et al. **Br J Urol** 1980 Dec;52(6):535–8
The choice of treatment for cancer patients based on covariate information. Byar DP, et al. **Bull Cancer (Paris)** 1980;67(4):477–90
The bone scan as a monitor of prostatic cancer. Stone AR, et al. **Clin Oncol** 1980 Dec;6(4):349–60
Multimodality treatment of prostatic carcinoma. Spaulding JT. **Front Radiat Ther Oncol** 1980;15:121–5
Microwave applicators for localized hyperthermia treatment of cancer of the prostate. Mendecki J, et al. **Int J Radiat Oncol Biol Phys** 1980 Nov;6(11):1583–8
Urinary oxalate excretion during anti-androgenic therapy. Tiselius HG, et al. **Invest Urol** 1980 Sep;18(2):110–1
Effects of estrogen, orchidectomy, and cyproterone acetate on tissue fibrinolysis in patients with carcinoma of the prostate. Varenhorst E, et al. **Invest Urol** 1981 Mar; 18(5):355–7
Prostatic carcinoma. Treatment with I125 interstitial irradiation and pelvic lymphadenectomy. Mebust WK, et al. **J Kans Med Soc** 1981 Jun;82(6):278–81
Chemotherapy and radiation of Nb rat prostatic adenocarcinoma: Nb Pr-A.I.-1. Drago JR, et al. **J Surg Res** 1980 Jun;28(6):492–6
Castration--chemotherapy treatment of prostate cancer model. Drago JR, et al. **J Surg Res** 1981 Apr;30(4):338–42
Rhabdomyosarcoma of the bladder and prostate in children. McDougal WS, et al. **J Urol** 1980 Dec;124(6):882–5
Preoperative irradiation, lymphadenectomy and 125iodine implant for patients with localized prostatic carcinoma: a correlation of implant dosimetry with clinical results. Shipley WU, et al. **J Urol** 1980 Nov;124(5):639–42
Recent progress in prostatic cancer. Brendler H. **Nippon Hinyokika Gakkai Zasshi** 1980 Oct;71(10):1151
VACURG studies of conservative treatment. Byar DP. **Scan J Urol Nephro [Suppl]** 1980;55:99–102
Topometric, roentgenologic, laboratory and clinical criteria of tumor regression in conservative management of prostatic carcinoma. Korolchook V, et al. **Scan J Urol Nephrol [Suppl]** 1980;55:75–81
EORTC protocols in prostatic cancer. An interim report. Pavone-Macaluso M, et al. **Scan J Urol Nephrol [Suppl]** 1980;55:163–8
Current trends in the management of carcinoma of the prostate. Steyn JH. **Scott Med J** 1980 Apr;25(2):160–1
Current controversies in the management of carcinoma of the prostate. Narayan P, et al. **Semin Oncol** 1980 Dec; 7(4):460–7
Endocrine therapy in the management of advanced prostatic cancer: the case for early initiation of treatment. Grayhack JT, et al. **Urol Clin North Am** 1980 Oct;7(3):639–43
The questionable use of hormone therapy in advanced carcinoma of the prostate. Murphy GP, et al. **Urol Clin North Am** 1980 Oct;7(3):631–8
Impact of pelvic lymphadenectomy in patients with prostatic adenocarcinoma. Cline WA Jr, et al. **Urology** 1981 Feb; 17(2):129–31
Response of lymph node metastasis to sequential estrogen and radiation therapy in prostate carcinoma. Green N, et al. **Urology** 1981 Aug;18(2):137–42
Bilateral orchiectomy for carcinoma of prostate. Response of serum testosterone and clinical response to subsequent estrogen therapy. Klugo RC, et al. **Urology** 1981 Jan; 17(1):49–50
Early combined hormonal and chemotherapy for metastatic carcinoma of prostate. Mukamel E, et al. **Urology** 1980 Sep;16(3):257–60
Multimodal therapy of prostatic cancer. Paulson DF. **Urology** 1981 Apr;17(4 Suppl):53–6
[Prostatic cancer. XLIVrd Belgian congress of urology, Charleroi, June 15–17, 1979 (author's transl)] **Acta Urol Belg** 1980 Jan;48(1):69–158 **(Fre)**
[Regression and disappearance of bone metastasis in a case of prostatic carcinoma after bilateral orchidectomy and oestrogen therapy (author's transl)] Suhler A. **J Urol (Paris)** 1981;87(4):227–9 (Eng. Abstr.) **(Fre)**
[Transurethral cryocaustic therapy of the prostate] Magasi P, et al. **Acta Chir Acad Sci Hung** 1979;20(2–3):281–92 (Eng. Abstr.) **(Ger)**
[Prostatic cancer (editorial)] Brosig W. **Urologe [Ausg A]** 1980 Nov;19(6):323 **(Ger)**
[Practical limitations of a controlled multicenter therapeutic study with the example of advanced inoperable prostatic cancer] Nagel R. **Verh Dtsch Ges Inn Med** 1980;86:1304–16 **(Ger)**
[Treatment and prognosis of prostate carcinoma. Actual standing (author's transl)] Heising J, et al. **Z Hautkr** 1981 Jun 1;56(11):705–14 (Eng. Abstr.) **(Ger)**
[Coordination of individualized diagnosis and therapy of prostatic cancer] Schubert J, et al. **Z Urol Nephrol** 1981 Jun;74(6):437–42 (Eng. Abstr.) **(Ger)**
[Prostatic adenoma--prostatic carcinoma. Questions from general practice. II. Therapy] Strohmenger P. **ZFA (Stuttgart)** 1980 Oct 10;56(28):1793–7 **(Ger)**
[Therapeutic occlusion of the hypogastric arteries with isobutyl-2-cyanoacrylate in vesical and prostatic cancer (author's transl)] Nadalini VF, et al. **Radiol Med (Torino)** 1981 Jan-Feb;67(1-2):61–6 (Eng. Abstr.) **(Ita)**
[Problems of treatment of prostatic cancer] Rutkowski A. **Wiad Lek** 1980 Sep 15;33(18):1461–6 (Eng. Abstr.) **(Pol)**
[Treatment of prostate cancer] Kan DV, et al. **Urol Nefrol (Mosk)** 1981 Jul-Aug;(4):29–34 (Eng. Abstr.) **(Rus)**
[Hypophysectomy in the combined treatment of prostate cancer] Khazanov VG. **Urol Nefrol (Mosk)** 1981 Jul-Aug; (4):68–72 **(Rus)**
[Diagnosis and treatment of carcinoma of the prostate] Hromadko M, et al. **Acta Chir Iugosl** 1981;28(1):19–34 (Eng. Abstr.) **(Scr)**

ULTRASTRUCTURE

Cytological and DNA-cytophotometric monitoring of the effect of therapy in conservatively treated prostatic carcinomas. Leistenschneider W, et al. **Scan J Urol Nephrol [Suppl]** 1980;55:197–204
Tumour ploidy for characterization of prostatic carcinoma: flow-cytofluorometric DNA studies using aspiration biopsy material. Tribukait B, et al. **Scan J Urol Nephrol [Suppl]** 1980;55:59–64
[Caryometry for testing the effectiveness of hormone treatment of carcinoma of the prostate gland (author's transl)] Stöber U, et al. **Urol Int** 1980;35(6):435–43 (Eng. Abstr.) **(Ger)**
[Electron microscopy of prostatic carcinoma cells (author's transl)] Burchardt P. **Urologe [Ausg A]** 1980 Nov; 19(6):379–84 (Eng. Abstr.) **(Ger)**
[Electron microscopy of prostatic carcinoma cells following castration (author's transl)] Burchardt P. **Urologe [Ausg A]** 1980 Nov;19(6):385–90 (Eng. Abstr.) **(Ger)**
[Scanning electron microscopy of human seminal vesicles] Orlandini GE, et al. **Arch Ital Anat Embriol** 1980; 85(2):163–78 (Eng. Abstr.) **(Ita)**

URINE

Reference values and analytical performance of the hydroxyproline/creatinine ratio in early morning urine samples. Posma FD, et al. **J Clin Chem Clin Biochem** 1981 Apr;19(4):209–12
Urinary hydroxyproline excretion as a marker of osseous metastasis in carcinoma of the prostate. Mooppan MM, et al. **J Urol** 1980 May;123(5):694–6
Urinary spermidine levels in cases of carcinoma of the prostate. Preliminary report. Hradec E, et al. **Scan J Urol Nephrol [Suppl]** 1980;55:71–3
Fibrinolytic degradation products in the urine of carcinoma of the prostate patients. Aguilo JJ, et al. **Urol Int** 1981; 36(1):10–4

PROSTATITIS

COMPLICATIONS

Ankylosing spondylitis associated with Trichomonas vaginalis infection. Kuberski TT. **J Clin Microbiol** 1981 May;13(5):880–1
[Thorotrast cancer following vesiculography in chronic prostatitis] Weidner W, et al. **Z Urol Nephrol** 1981 Feb; 74(2):95–100 (Eng. Abstr.) **(Ger)**
[Chronic prostatovesiculitis and sterility] Netto Júnior NR, et al. **AMB** 1980 Oct;26(10):343–4 (Eng. Abstr.) **(Por)**
[Urogenital infection in Reiter's disease, rheumatoid arthritis and Bechterew's disease] Agababova ER, et al. **Ter Arkh** 1980;52(12):94–8 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Prostatitis. Stamey TA. **J R Soc Med** 1981 Jan;74(1):22–40 (71 ref.)
A protocol for evaluation of prostatitis. Marmar JL, et al. **Urology** 1980 Sep;16(3):261–5
[Modern trends in the diagnosis and therapy of prostatitis] Meares EM. **Recenti Prog Med** 1981 Jun;70(6):595–615 (58 ref.) (Eng. Abstr.) **(Ita)**
[New approach to the 'prostatosis'--syndrome simulating chronic prostatitis. I. Urological and psychiatric analysis of the patients (author's transl)] Izawa A. **Nippon Hinyokika Gakkai Zasshi** 1980 Sep;71(9):1055–65 (Eng. Abstr.) **(Jpn)**
[Post-vesicular infections] Bačić J, et al. **Acta Chir Iugosl** 1980;27 Suppl 1:197–200 **(Scr)**

DRUG THERAPY

The effect of alpha-difluromethylornithine and tartaric acid on sperm count, seminal gamma GT, FSH, LH, testosterone and steroid excretion in patients with chronic prostatitis. Dunzendorfer U, et al. **Andrologia** 1981 Mar-Apr;13(2):100–7
alpha-Difluoromethylornithine (alpha DFMO) and phenoxybenzamine hydrochloride in the treatment of chronic non-suppurative prostatitis. Dunzendorfer U. **Arzneimittelforsch** 1981;31(2):382–5
Subdermal implants of different steroidal compounds for treatment of endocrinological disorders. Frick J, et al. **Eur Urol** 1981;7(2):73–7
Bacterial prostatitis: treatment with carbenicillin indanyl sodium. Mobley DF. **Invest Urol** 1981 Jul;19(1):31–3
Erythromycin treatment of acute and chronic urethritis, prostatitis and colpitis caused by Ureaplasma urealyticum and Chlamydia trachomatis. Blenk H, et al. **J Int Med Res** 1980;8 Suppl 2:59–63
Symptomatic cure of prostatitis with metronidazole [letter] Lockie AC. **Lancet** 1981 Aug 29;2(8244):475
Unusual occurrence of Shigella prostatitis, successfully treated. Milkovich G, et al. **Va Med** 1980 Aug;107(8):573
[Combined treatment with traditional Chinese and Western medicine for chronic prostatitis (author's transl)] Liu YF. **Chung Hua Wai Ko Tsa Chih** 1980 Mar;18(3):250–1 **(Chi)**
[Comparative study of the treatment of genitourinary infections either by a combination of sulfamides (Harnosal) or by nitrofurantoin] Ghosen V. **Acta Urol Belg** 1980 Apr; 48(2):311–6 (Eng. Abstr.) **(Fre)**
[Antibiotic phonophoresis in chronic nonspecific prostatitis] Karpukhin IV. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 May-Jun;(3):9–11 **(Rus)**
[Treatment with nitroxolin of inflammatory diseases of the urogenital organs] Sukhodol'skaia AE, et al. **Vrach Delo** 1980 Aug;(8):38–9 **(Rus)**

ENZYMOLOGY

[Activity of energy metabolism enzymes and their isoenzymic spectra in normal prostate and testis tissue and in experimental prostatitis] Petrun' NM, et al. **Ukr Biokhim Zh** 1980 Nov-Dec;52(6):711–6 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Cryptococcal prostatitis. Hinchey WW, et al. **Am J Clin Pathol** 1981 Feb;75(2):257–60
Clostridia sepsis following transperineal needle biopsy of the prostate. Durkee CT. **J Urol** 1981 May;125(5):742–3
Trichomonas vaginalis associated with nongonococcal urethritis and prostatitis. Kuberski T. **Sex Transm Dis** 1980 Jul-Sep;7(3):135–6

IMMUNOLOGY

Use of a solid-phase radioimmunoassay and formalin-fixed whole bacterial antigen in the detection of antigen-specific immunoglobulin in prostatic fluid. Shortliffe LM, et al. **J Clin Invest** 1981 Mar;67(3):790–9
The detection of a local prostatic immunologic response to bacterial prostatitis. Shortliffe LM, et al. **J Urol** 1981 Apr; 125(4):509–15
HLA antigens and sacro-iliitis in chronic prostatitis. Møller P, et al. **Scand J Rheumatol** 1980;9(3):138–40

MICROBIOLOGY

Prostatitis. Meares EM Jr. **Annu Rev Med** 1979;30:279–88 (26 ref.)
Aspergillus flavus in prostatic fluid. Karayannopoulos SI, et al. **Br J Urol** 1981 Apr;53(2):192
Quantitative culture of ureaplasma urealyticum in patients with chronic prostatitis or prostatosis. Weidner W, et al. **J Urol** 1980 Nov;124(5):622–5

PATHOLOGY

Macrophages in prostatic fluid. Nishimura T, et al. **Br J Urol** 1980 Oct;52(5):381–5
Burkitt's lymphoma mimicking prostatitis. Boe S, et al. **J Urol** 1981 Jun;125(6):891–2

PHYSIOPATHOLOGY

Prostatitis: prostatic secretory dysfunction affecting fertility. Caldamone AA, et al. **Fertil Steril** 1980 Dec;34(6):602–3
Prevalence and significance of prostatic inflammation. Schaeffer AJ, et al. **J Urol** 1981 Feb;125(2):215–9

PSYCHOLOGY

Psychic disturbances in patients with chronic prostatis. Keltikangas-Järvinen L, et al. **Ann Clin Res** 1981 Feb; 13(1):45–9

THERAPY

Therapeutic use of ultrasound in urology. Papp G, et al. **Acta Chir Acad Sci Hung** 1979;20(2–3):275–9
[Fangotherapy of chronic prostatis at The Lake Uchum health resort] Broner VR. **Urol Nefrol (Mosk)** 1981 Jan-Feb;(1):38–41 (Eng. Abstr.) **(Rus)**
[Treatment of chronic prostatitis at Truskavets health resort] Borzhievskiĭ TsK, et al. **Vrach Delo** 1980 Oct;(10):83–7 (Eng. Abstr.) **(Rus)**

PROSTENOIC ACIDS see under **FATTY ACIDS, UNSATURATED**

PROSTHESIS

see related
CLEFT PALATE PROSTHESIS
DENTAL PROSTHESIS
PROSTHODONTICS

Unfavorable results after breast reconstruction with silicone

breast. Lemperle G. **Acta Chir Belg** 1980 Mar-Apr; 79(2):159-60

Reconstruction of the breast after mastectomy for carcinoma. Prpic I. **Acta Chir Belg** 1980 Mar-Apr;79(2):103-4

Osteogenic phenomena across endosteal bone-implant spaces with porous surfaced intramedullary implants. Bobyn JD, et al. **Acta Orthop Scand** 1981;52(2):145-53

Resurfacing of depression fractures of the lateral tibial condyle. A report of five cases. Bömler J, et al. **Acta Orthop Scand** 1981;52(2):231-2

Total femur replacement in sarcoma of the distal end of the femur. Katznelson A, et al. **Acta Orthop Scand** 1980 Oct; 51(5):845-51

Inflatable penile implant for impotence: radiologic evaluation. Kossoff J, et al. **AJR** 1981 Jun;136(6):1109-12

Management of aortic arch interruption with prostaglandin E1 infusion and microporous expanded polytetrafluoroethylene grafts. Zahka KG, et al. **Am J Cardiol** 1980 Dec 1;46(6):1001-5

Temporary keratoprosthesis for use during pars plana vitrectomy. Landers MB 3d, et al. **Am J Ophthalmol** 1981 May;91(5):615-9

Subcutaneous mastectomy and breast replacement: its role in the treatment of benign, premalignant, and malignant breast disease. Blevins PK. **Am Surg** 1981 Jul;47(7):281-6

Repair of abdominal wall defects: Gore-Tex vs. Marlex graft. Sher W, et al. **Am Surg** 1980 Nov;46(11):618-23

A new microvascular substitute (inside diameter: 1 MM): evaluation and early patency rates. Tizian C. **Angiology** 1980 Dec;31(12):801-20

Manual for care of the Montgomery silicone tracheal T-tube. Montgomery WW. **Ann Otol Rhinol Laryngol [Suppl]** 1980 Jul-Aug;89(4 Pt 5 Suppl 73):1-8

Combined abdominoplasty and augmentation mammaplasty through a transverse suprapubic incision. Barrett BM Jr, et al. **Ann Plast Surg** 1980 Apr;4(4):286-91

Breast reconstruction following mastectomy: I. Social characteristics of patients seeking the procedure. Clifford E, et al. **Ann Plast Surg** 1980 Nov;5(5):341-3

The influence of vitamin E on capsule formation and contracture around silicone implants. Peters CR, et al. **Ann Plast Surg** 1980 Nov;5(5):347-52

An instrument for closed compression of capsular contracture of the breast. Snyder GB, et al. **Ann Plast Surg** 1980 Mar; 4(3):245-7

The curved lateral incision technique for subcutaneous mastectomy. Tegtmeier RE. **Ann Plast Surg** 1981 Mar; 6(3):194-202

Subpectoral breast augmentation in the Japanese. Watanabe K. **Ann Plast Surg** 1980 Jul;5(1):24-30

The case for submuscular implantation of prostheses in reconstructive breast surgery. Woods JE, et al. **Ann Plast Surg** 1980 Aug;5(2):115-22

The place of subcutaneous mastectomy with immediate silicone prosthetic implantation in diseases of the breast. Burnand KG, et al. **Ann R Coll Surg Engl** 1980 Nov; 62(6):449-53

Synthetic biliary bypass. Jones BM, et. al. **Ann R Coll Surg Engl** 1981 Sep;63(5):345-7

External stent for repair of secondary tracheomalacia. Johnston MR, et al. **Ann Thorac Surg** 1980 Sep;30(3):291-6

Primary mineralization and extracellular matrix vesicles in rat bone after administration of glass-ceramic implants. Sela J, et al. **Arch Orthop Trauma Surg** 1981;98(3):237-40

Functional middle ear reconstruction: experience with prostheses and tissue graft. Edwards WG. **Aust NZ J Surg** 1980 Aug;50(4):356-60

The selection of patients for reconstruction following mastectomy for carcinoma of the breast. Pers M. **Br J Plast Surg** 1981 Jan;34(1):58-60

Penile prostheses for the treatment of impotence. Narayana AS, et al. **Br J Urol** 1980 Dec;52(6):575-8

Secretory otitis media and grommets [editorial] **Br Med J [Clin Res]** 1981 Feb 14;282(6263):501

Veterans Administration Rehabilitative Engineering Research and Development Service Programs. **Bull Prosthet Res** 1980 Fall;17(2):65-130

A new method for the measurement of normal pressure between amputation residual limb and socket. van Pijkeren T, et al. **Bull Prosthet Res** 1980 Spring;10-33:31-4

Calcium phosphate ceramics as hard tissue prosthetics. Jarcho M. **Clin Orthop** 1981;(157):259-78 (88 ref.)

Relief of bileduct obstruction by the percutaneous transhepatic insertion of an endoprosthesis. Dooley JS, et al. **Clin Radiol** 1981 Mar;32(2):163-72

Postmastectomy breast reconstruction. Rosato FE, et al. **Curr Probl Surg** 1980 Nov;17(11):585-629

Sexual consequences of male genitourinary cancer: the role of sex prosthetics. Furlow WL. **Front Radiat Ther Oncol** 1979;14:104-7

Breast reconstruction following mastectomy. Harvey RA. **Front Radiat Ther Oncol** 1979;14:90-103

Prosthetic creation of a double outlet left ventricle: clinical experience of five cases. Cotrufo M, et al. **Int J Artif Organs** 1980 May;3(3):181-8

A prosthetic myocardium for repair of localized defects of the left ventricle: concept and hemodynamic feasibility. Kantrowitz A, et al. **Int J Artif Organs** 1980 May; 3(3):173-9

A new implantable sphincter prosthesis for artificial anus. Szinicz G. **Int J Artif Organs** 1980 Nov;3(6):358-62

Radiology of tympano-ossicular implants. Marquet J, et al. **J Belge Radiol** 1980;63(2-3):369-78

The role of flexible carbon-fibre implants as tendon and ligament substitutes in clinical practice. A preliminary report. Jenkins DH, et al. **J Bone Joint Surg [Br]** 1980 Nov;62-B(4):497-9

Transfer of tensile loads from a prosthesis to bone using porous titanium. Murray GA, et al. **J Bone Joint Surg [Br]** 1981 Feb;63-B(1):138-41

Leakage across the premoulded dacron baffle used for correction of transposition of the great arteries. Mohri H, et al. **J Cardiovasc Surg (Torino)** 1980 Jul-Aug;21(4):417-22

Platelet changes after placement of aortic prostheses in dogs. I. Biochemical and functional alterations. Clagett GP, et al. **J Lab Clin Med** 1981 Mar;97(3):345-59

Platelet changes after placement of aortic prostheses in dogs. II. Impaired surface-induced arterial thrombosis. Clagett GP, et al. **J Lab Clin Med** 1981 Mar;97(3):360-8

A grommet trainer. Abdel-Salam A, et al. **J Laryngol Otol** 1981 Jan;95(1):115-6

Surgical management of impotence with an inflatable penile prosthesis. Deason AM Jr, et al. **J Med Assoc State Ala** 1980 Dec;50(6):10-2

The implant-maker, his suppliers and the litigant patient: a personal view. Donaldson PE. **J Med Eng Technol** 1980 Jul;4(4):165

Corrosion of stainless steel surgical implants. Harris B. **J Med Eng Technol** 1979 May;3(3):117-22

Cosmetic improvement of thoracic wall defects using a rapid setting silastic mold: a special technique. Allen RG, et al. **J Pediatr Surg** 1979 Dec;14(6):745-9

Fabricating a shoulder somatoprosthesis. Blumenfeld I, et al. **J Prosthet Dent** 1981 May;45(5):542-4

Treatment of alar collapse with nasal prostheses. Davenport JC, et al. **J Prosthet Dent** 1981 Apr;45(4):435-7

A simplified method of treating septal defects. Gay WD. **J Prosthet Dent** 1981 Apr;45(4):430-1

Reconstruction of the breast after mastectomy. Ward CM. **J R Soc Med** 1981 May;74(5):327-30

Continent ileostomy in dogs. An experimental study of ileal pouches using a simple prosthetic valve. Mihranian MH, et al. **J Surg Res** 1981 Jul;31(1):69-76

Ureteral replacement with a new polyurethane prosthesis. Totoro JA, et al. **J Surg Res** 1981 Jun;30(6):583-92

Pitfalls of the Rosen anti-incontinence prosthesis. Augspurger RR. **J Urol** 1981 Feb;125(2):201-3

AMS 742 sphincter: UCLA experience. Bruskewitz R, et al. **J Urol** 1980 Dec;124(6):812-4

Complications of the Small-Carrion penile prosthesis: long-term followup. Chaikin L, et al. **J Urol** 1981 Jul; 126(1):44-5

Compatibility of genitourinary prostheses and intermittent self-catheterization. Diokno AC, et al. **J Urol** 1981 May; 125(5):659-60

Comparison of the inflatable penile and the Small-Carrion prostheses in the surgical treatment of erectile impotence. Malloy TR, et al. **J Urol** 1980 May;123(5):678-9

Marlex replacement of tunica albuginea. O'Donnell P. **J Urol** 1980 Nov;124(5):732-3

Evaluation of the surgical management of Peyronie's disease. Palomar JM, et al. **J Urol** 1980 May;123(5):680-2

Penile prosthesis: adjunct to treatment in patients with neurogenic bladder. Smith AD, et al. **J Urol** 1980 Sep; 124(3):363-4

From 'regeneration' to prostheses: research on spinal cord injury [news] Gunby P. **JAMA** 1981 Apr 3;245(13):1293-7, 1301

Small fenestra stapedectomy. A preliminary report. Bailey HA Jr, et al. **Laryngoscope** 1981 Aug;91(8):1308-21

The contemporary surgical management of erectile impotence. Riemenschneider HW, et al. **Ohio State Med J** 1981 Feb;77(2):103-5

Implantable prostheses. Williams DF. **Phys Med Biol** 1980 Jul;25(4):611-36 (73 ref.)

Reconstruction of the aesthetically pleasing breast. Birnbaum L. **Plast Reconstr Surg** 1981 Jun;67(6):745-52

Reconstruction of the nipple-areola by dermabrasion in a black patient. Cohen IK. **Plast Reconstr Surg** 1981 Feb; 67(2):238-9

The use of an intraoperative molding device for the reconstruction of a female breast after mastectomy. Dirnberger F, et al. **Plast Reconstr Surg** 1980 Sep; 66(3):455-8

Individualized muscle coverage of implants in breast reconstruction. McShane RH, et al. **Plast Reconstr Surg** 1981 Mar;67(3):318-27

Percutaneous insertion of an endoprosthesis in obstructive jaundice. Jonsson K, et al. **Radiology** 1981 Jun; 139(3):749-50

The use of the Celestin tube in complicated esophageal problems: device may be palliative or curative in a variety of difficult situations. Laforet EG, et al. **RI Med J** 1980 Oct;63(10):391-5

Internal endoprosthesis as treatment of obstructive jaundice in pancreatitis. Burcharth F, et al. **ROEFO** 1981 Mar; 134(3):290-2

Ectoprostheses in the treatment of facial defects: an analysis of a 7-year material. Bernhoft CH. **Scand J Plast Reconstr Surg** 1980;14(2):159-62

Rehabilitation of unilateral below-elbow amputees with myoelectric prostheses. Herberts P, et al. **Scand J Rehabil Med** 1980;12(3):123-8

Microporous tracheal prosthesis: incorporation and prevention of infection. Bottema JR, et al. **Trans Am Soc Artif Intern Organs** 1980;26:412-7

Preoperative determination of inflatable penile prosthesis cylinder length. Barry JM. **Urology** 1981 Jul;18(1):82-3

Management of neurogenic impotence with inflatable penile prosthesis. Light JK, et al. **Urology** 1981 Apr;17(4):341-3

Epigastric placement of reservior for inflatable penile prosthesis. Riemenschneider HW. **Urology** 1981 Jan; 17(1):79-81

Cancer trends: breast reconstruction after mastectomy. Maxwell GP, et al. **Va Med** 1981 May;108(5):328-32

[Use of steel frame instead of bone graft in subtotal mandibular bone excision (author's transl)] Lai QS. **Chung Hua Kou Chiang Ko Tsa Chih** 1980 Feb;15(2):113-4 **(Chi)**

[Artificial vertebral replacement of dorsolumbar vertebrae following resection of giant cell tumor (author's transl)] **Chung Hua Wai Ko Tsa Chih** 1981 Feb;19(2):107-8 (Eng. Abstr.) **(Chi)**

[Prevention of problems and failures in cranioplasty performed with the synthetic resin polymethylmethacrylate] Groenenberg WH. **Acta Stomatol Belg** 1980;77(3):205-9 **(Dut)**

[Palliative treatment of impaired esophageal and gastric food transit by means of an endoscopically-positioned prosthesis] den Hartog Jager FC, et al. **Ned Tijdschr Geneeskd** 1980 Dec 27;124(52):2213-8 (Eng. Abstr.) **(Dut)**

[Breast-augmenting operations with subpectoral placement of a prosthesis] van Tetering JP, et al. **Ned Tijdschr Geneeskd** 1981 May 9;125(19):743-5 (Eng. Abstr.) **(Dut)**

[Prosthetic replacement of the trachea. Experimental study of Neville prosthesis (author's transl)] Fuentes P, et al. **Ann Chir** 1981;35(3):253-6 (Eng. Abstr.) **(Fre)**

[Association between synthetic and dermal tissue in severe loss of substance of the abdominal wall] Zumer L, et al. **Ann Chir Plast** 1981;26(2):167-72 (Eng. Abstr.) **(Fre)**

[Sternal cleft. Correction by silastic prosthesis (author's transl)] Daoud S, et al. **Chir Pediatr** 1980;21(6):415-7 (Eng. Abstr.) **(Fre)**

[Silicone ureteral prostheses: results of an experimental study of tolerance and surface conditions over six years, and clinical use for four years (author's transl)] Triboulet JP. **J Chir (Paris)** 1981 Jan;118(1):1-13 (Eng. Abstr.) **(Fre)**

[Reno-ureteral prosthetic by-pass operations : experimental results (author's transl)] Dufour B, et al. **J Urol (Paris)** 1980;86(6):459-62 (Eng. Abstr.) **(Fre)**

[Ureterovesical and reno-ureteral prosthetic bypass operations : results after 3 years (author's transl)] Dufour B. **J Urol (Paris)** 1980;86(6):477-8 (Eng. Abstr.) **(Fre)**

[Endocholedochal prosthesis. Transhepatic placement for palliative treatment of retention jaundice] Curet P, et al. **Med Chir Dig** 1980;9(6):503-4 **(Fre)**

[Endoscopic treatment of oesophageal sténosis using Celestin prosthesis (author's transl)] Célestin LR, et al. **Nouv Presse Med** 1980 Aug 30-Sep 6;9(31):2155-7 (Eng. Abstr.) **(Fre)**

[Midshaft prosthetic replacement of the femur (author's transl)] Katzner M, et al. **Rev Chir Orthop** 1981;67(2):151-2 (Eng. Abstr.) **(Fre)**

[Bone colonization of mineral matter] Patel A, et al. **Rev Chir Orthop** 1980;66 Suppl 2:63-4 **(Fre)**

[Penile prosthesis for erectile impotence] Wagenknecht LV. **Andrologia** 1980 Jul-Aug;12(4):307-16 (Eng. Abstr.) **(Ger)**

[Application of ceramics in spare parts surgery (author's transl)] Ebert R, et al. **Biomed Tech (Berlin)** 1980 Apr; 25(4):74-80 (Eng. Abstr.) **(Ger)**

[Case report of a giant cell tumor of the second metacarpal bone and implantation of a cement prosthesis] Dingels WR, et al. **Handchirurgie** 1979;11(3-4):251-4 (Eng. Abstr.) **(Ger)**

[The influence of the stapes prosthesis on the long-term results of stapedectomy (author's transl)] Schöndorf J, et al. **HNO** 1980 May;28(5):153-7 (Eng. Abstr.) **(Ger)**

[Prosthetic replacement of the trachea by synthetics (author's transl)] Weidauer H, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Jan;60(1):29-32 (Eng. Abstr.) **(Ger)**

[Partial replacement of the scaphoid bone with a silicone rubber prosthesis in a necrotic fragment] Feldmeier C, et al. **MMW** 1981 Jul 3;123(27):1117-8 **(Ger)**

[Kienböck's disease: comparison of Graner's procedure with silastic endoprosthesis (author's transl)] Kerschbaumer F, et al. **Orthopaede** 1981 Jan;10(1):52-3 **(Ger)**

[The treatment of the femoral neck fracture by femoral head prosthesis (author's transl)] Scharf W, et al. **Unfallheilkunde** 1981 Apr;84(4):153-7 (Eng. Abstr.) **(Ger)**

[Histologic investigations of PTFE-surface acting for direct tissue contact on implants (author's transl)] Schneider UA, et al. **Z Orthop** 1980 Oct;118(5):788-92 (Eng. Abstr.) **(Ger)**

[Refertilisation by implantation of both tubes (author's transl)] Bobscheff T. **Zentralbl Gynaekol** 1980;102(19):1100-4 (Eng. Abstr.) **(Ger)**

[Surgical treatment of erectile impotence] Gillon G, et al. **Harefuah** 1980 Mar 16;98(6):249-51 (Eng. Abstr.) **(Heb)**

[Nonaggressive correction of esophageal fistula with endoprosthesis (author's transl)] Cusumano A, et al. **Chir Ital** 1980 Feb;32(1):19-25 (Eng. Abstr.) **(Ita)**

[Prosthetic materials for reparative surgery on the rat biliary tracts: Gore-Tex and dacron] Masciariello S, et al. **Chir Patol Sper** 1979 Feb;27(1):17-31 (Eng. Abstr.) **(Ita)**

[Introduction by pulsion of an esophageal prosthesis, using the Nottingham introducer] Gasparri G, et al. **Minerva Chir** 1980 Oct 15;35(19):1475-8 **(Ita)**

[Repair of inguinocrural hernias with subperitoneal prostheses] Mercati U, et al. **Minerva Chir** 1980 Nov 15; 35(21):1641-4 (Eng. Abstr.) **(Ita)**

[Endoprosthesis in the bile ducts. Palliative treatment of malignant stenosing processes in the bile ducts] Kolmannskog F, et al. **Tidsskr Nor Laegeforen** 1981 Jan 10;101(1B):97-100 (Eng. Abstr.) **(Nor)**

[External auricular prostheses in cases of external ear hypoplasia (author's transl)] Kruk J, et al. **Otolaryngol Pol** 1980;34(5):439-43 (Eng. Abstr.) **(Pol)**

[Effect of teflon on the development of biopotentials of the middle ear in guinea pigs] Namysłowski G. **Otolaryngol Pol** 1980;34(4):411-2 **(Pol)**

[The use of polypropylene-polyester prostheses in cranioplasty] Gawlik JD, et al. **Polim Med** 1980; 10(4):215-23 (Eng. Abstr.) **(Pol)**

[Effect of various biological fluids on the electrostatic properties of electrets made of knitted fascia Dallop prostheses] Lowkis B. **Polim Med** 1980;10(3):135-56 (Eng. Abstr.) **(Pol)**

[Polypropylene-polyester prostheses. Experimental studies] Staniszewska J. **Polim Med** 1980;10(4):205-14 (Eng. Abstr.) **(Pol)**

[Motility of ocular globe after eyeball enucleation] Baidan N, et al. **Rev Chir [Oftalmol]** 1980 Apr-Jun;24(2):149-51 (Eng. Abstr.) **(Rum)**

[Optic penetrating keratoprosthesis using new models of corneal prostheses] Iakimenko SA. **Oftalmol Zh** 1981; 36(2):102-4 (Eng. Abstr.) **(Rus)**

[Teflon prosthesis dislodged from the ear after a mandibular injury] Mishen'kin NV, et al. **Vestn Otorinolaringol** 1981 Mar-Apr;(2):65-6 **(Rus)**

[Spring-action stapes prosthesis for stapedioplasty] Radugin KB, et al. **Vestn Otorinolaringol** 1980 Sep-Oct;(5):79-81 **(Rus)**

ADVERSE EFFECTS

Tissue reaction and metal sensitivity. An animal study. Merritt K, et al. **Acta Orthop Scand** 1980 Jun;51(3):403-11

Mammary implant shell failure. Schmidt GH. **Ann Plast Surg** 1980 Nov;5(5):369-71

Coronary artery injury by a valved external conduit. Harris JP, et al. **Ann Thorac Surg** 1981 Mar;31(3):271-3

Artificial eustachian tube-induced keratin foreign-body granuloma. Hawke M, et al. **Arch Otolaryngol** 1981 Sep; 107(9):581-3

Silastic prosthesis in fractures of the head of the radius: long term follow up. Martinelli B, et al. **Ital J Orthop Traumatol** 1980 Dec;6(3):395-9

The toxicity of metals used in orthopaedic prostheses. An experimental study using cultured human synovial fibroblasts. Rae T. **J Bone Joint Surg [Br]** 1981; 63-B(3):435-40

Silicone syncope [letter] Thomsen TA, et al. **N Engl J Med** 1980 Oct 2;303(14):817

Late complication of closed capsulotomy of the breast [letter] Edmond JA, et al. **Plast Reconstr Surg** 1980 Sep; 66(3):478-9

Ivalon breast prostheses: evaluation 19 years after implantation. Peters WJ, et al. **Plast Reconstr Surg** 1981 Apr;67(4):514-8

Red striae after augmentation [letter] Snyder GB. **Plast Reconstr Surg** 1981 May;67(5):699

Complications of closed capsulotomy after augmentation [letter] Zide BM. **Plast Reconstr Surg** 1981 May;67(5):697

Ultrasonic findings in silicone-augmented breasts. Rosenbaum JL, et al. **South Med J** 1981 Apr;74(4):455-8

[Multiple small intestinal perforations after implantation of esophageal endoprostheses] Meyer W, et al. **Chirurg** 1980 Oct;51(10):659-60 **(Ger)**

INSTRUMENTATION

Surgical experience with the inflatable penile prosthesis. Kessler R. **J Urol** 1980 Nov;124(5):611-2

[A new implantable preternatural anus closing system - experiences with animal experiments] Szinicz G. **Z Exp Chir** 1980;13(4):201-6 (Eng. Abstr.) **(Ger)**

[The value of materials used for filling defects of anterior tracheal wall (author's transl)] Kustrzycka H. **Otolaryngol Pol** 1980;34(2-3):217-24 (Eng. Abstr.) **(Pol)**

METHODS

Simultaneous augmentation mammaplasty and correction of inverted nipples. Hayes H Jr. **Ann Plast Surg** 1980 Nov; 5(5):401-3

Keratoprosthesis: an alternative in anterior segment reconstruction. Bath PE. **J Am Intraocul Implant Soc** 1980 Apr;6(2):126-8

Obliteration of traumatically induced articular surface defects using a porous implant. Kessler FB, et al. **J Hand Surg** 1980 Jul;5(4):328-37

Microsurgery in andrologic urology. II. Alloplastic spermatocele. Wagenknecht LV, et al. **J Microsurg** 1980 May-Jun;1(6):428-35

Shoulder contour deformity after the Tikhoff-Linberg procedure: correction by silicone implant. Menick FJ, et al. **Plast Reconstr Surg** 1980 Nov;66(5):760-2

Two-stage correction of tuberous breasts. Toranto IR. **Plast Reconstr Surg** 1981 May;67(5):642-6

[Prosthetic replacement of cervical vertebrae: result of long-term follow-up (author's transl)] Liu SJ. **Chung Hua Wai Ko Tsa Chih** 1980 Mar;18(3):267-8 **(Chi)**

[Indications for and technics in keratoprosthesis] Baikoff G, et al. **Bull Soc Ophtalmol Fr** 1979 Oct;79(10):929-31 (Eng. Abstr.) **(Fre)**

[Silicone elastomer prosthesis of the common bile duct. Operative procedure (author's transl)] Kron B, et al. **Nouv Presse Med** 1981 May 23;10(23):1933-5 (Eng. Abstr.) **(Fre)**

[Experiments with autogenous tracheal replacement in rabbits (author's transl)] Strauss P, et al. **Laryngol Rhinol Otol (Stuttg)** 1980 Aug;59(8):458-66 (Eng. Abstr.) **(Ger)**

[The cementless implantation of tumor endoprostheses (author's transl)] Knahr K. **Wien Klin Wochenschr [Suppl]** 1981;125:1-20 (Eng. Abstr.) **(Ger)**

[Complex preparation of patients with femoral stumps and concomitant ischemic heart disease for prosthesis] Kondrashin NI, et al. **Ortop Travmatol Protez** 1980 Sep; (9):34-9 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Breast reconstruction following mastectomy: II. Marital characteristics of patients seeking the procedure. Clifford E, et al. **Ann Plast Surg** 1980 Nov;5(5):344-6

Midlife reactions to mastectomy and subsequent breast reconstruction. Goin MK, et al. **Arch Gen Psychiatry** 1981 Feb;38(2):225-7

STANDARDS

Effect of implant location on compressibility and capsule formation around miniprostheses in rats, and experimental capsule contracture. Ksander GA, et al. **Ann Plast Surg** 1981 Mar;6(3):182-93

The mechanical properties of breast prostheses. Peters WJ. **Ann Plast Surg** 1981 Mar;6(3):179-81

Aluminium oxide ceramic implants in middle ear surgery. Jahnke K, et al. **Clin Otolaryngol** 1981 Jun;6(3):193-5

Proplast and Plastipore. Kerr AG. **Clin Otolaryngol** 1981 Jun; 6(3):187-91

The below-elbow myo-electric prosthesis. A comparison of the Otto Bock myo-electric prosthesis with the hook and functional hand. Northmore-Ball MD, et al. **J Bone Joint Surg [Br]** 1980 Aug;62(3):363-7

[Prostheses for armless children and young people--experiences and conclusions (author's trans)] Marquardt E. **Rehabilitation (Stuttg)** 1981 Feb;20(1):33-41 (Eng. Abstr.) **(Ger)**

UTILIZATION

Table to facilitate donning stubby prostheses by bilateral above-knee amputees. Figueroa C, et al. **Phys Ther** 1980 Jul;60(7):909-11

PROSTHESIS DESIGN

see related

DENTAL PROSTHESIS DESIGN

A biequatorial acetabular cup for hip prosthesis. Pipino F, et al. **Acta Orthop Belg** 1980 Jan-Feb;46(1):5-13

Design of a knee prosthesis system. Walker PS. **Acta Orthop Belg** 1980;46(6):766-75

Coding considerations in design of cochlear prostheses. Merzenich MM, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1980 Sep-Oct;89(5 Pt 2 Suppl 74):84-7

Five years experience with ceramic-metal-composite hip endoprostheses. II. Mechanical evaluations and improvements. Heimke G, et al. **Arch Orthop Trauma Surg** 1981;98(3):165-71

The pace of prosthetics development relative to general technical progress: faster than a sabre jet [editorial] Cleland M. **Bull Prosthet Res** 1980 Spring;10-33:1-2

Dynamic pressure measurements at the interface between residual limb and socket--the relationship between pressure distribution, comfort, and brim shape. Naeff M, et al. **Bull Prosthet Res** 1980 Spring;10-33:35-50

New approaches for the control of powered prostheses particularly by high-level amputees. Stein RB, et al. **Bull Prosthet Res** 1980 Spring;10-33:51-62

The effect of total knee arthroplasty prostheses design on the potential for salvage arthrodesis: measurements of volumes, lengths and trabecular bone contact areas. Hankin F, et al. **Clin Orthop** 1981 Mar-Apr;(155):52-8

An adaptive control system for a complete hand/arm prosthesis. Swain ID, et al. **J Biomech Eng** 1980 Jul; 2(3):163-6

Theoretical design and implementation of a transcutaneous, multichannel stimulator for neural prosthesis applications. Forster IC. **J Biomed Eng** 1981 Apr;3(2):107-20

The effect of calcar contact on femoral component micromovement. A mechanical study. Markolf KL, et al. **J Bone Joint Surg [Am]** 1980 Dec;62(8):1315-23

The variable-axis knee prosthesis. Two-year follow-up study. Murray DG, et al. **J Bone Joint Surg [Am]** 1981 Jun;63A(5):687-94

Fixation of tibial components of knee prostheses. Walker PS, et al. **J Bone Joint Surg [Am]** 1981 Feb;63A(2):258-67

Endoprosthetic replacement of the proximal femur and acetabulum. A survival analysis. Dobbs HS, et al. **J Bone Joint Surg [Br]** 1981 Aug;63-B(2):219-24

Subsidence of the femoral prosthesis in total hip replacement in relation to the design of the stem. Loudon JR, et al. **J Bone Joint Surg [Br]** 1980 Nov;62-B(4):450-3

Fabricating a shoulder somatoprosthesis. Blumenfeld I, et al. **J Prosthet Dent** 1981 May;45(5):542-4

A surgical interim prosthesis. Frame RT, et al. **J Prosthet Dent** 1981 Jan;45(1):108-10

Properties of silicone maxillofacial elastomer processed in stone and metal. Raptis CN, et al. **J Prosthet Dent** 1980 Oct;44(4):447-50

Fabrication of perforated silicone rubber implant. Raval P, et al. **J Prosthet Dent** 1981 Apr;45(4):449-51

The bone-anchored auricular episthesis. Tjellström A, et al. **Laryngoscope** 1981 May;91(5):811-5

Development of seamless tri-leaflet valves. Russell FB, et al. **Trans Am Soc Artif Intern Organs** 1980;26:66-71

[Determination of the service life of a friction locking fixation element for use in ceramic total hips (author's transl)] Dawihl W, et al. **Biomed Tech (Berlin)** 1980 Dec; 25(12):311-5 (Eng. Abstr.) **(Ger)**

[Mechanical inspection of the intermediary coated prosthesis] Greco G. **Chir Organi Mov** 1981;66(1):103-16 (Eng. Abstr.) **(Ita)**

[Mechanical inspection of the spherical articulation in hip prostheses] Greco G. **Chir Organi Mov** 1981;66(1):95-102 (Eng. Abstr.) **(Ita)**

[Considerations of obturator design for acquired maxillary defects (author's transl)] Ohyama T. **Kokubyo Gakkai Zasshi** 1980 Sep;47(3):349-58 **(Jpn)**

[Biomechanical criteria of shoulder endoprosthesis design] Rodichkin VA, et al. **Ortop Travmatol Protez** 1981; (5):19-23 (Eng. Abstr.) **(Rus)**

STANDARDS

Suggestions for a total elasto-dynamic intervertebral disc prosthesis. Edeland HG. **Biomater Med Devices Artif Organs** 1981;9(1):65-72

The below-elbow myo-electric prosthesis. A comparison of the Otto Bock myo-electric prosthesis with the hook and functional hand. Northmore-Ball MD, et al. **J Bone Joint Surg [Br]** 1980 Aug;62(3):363-7

[Early results with the Menschik-knee] Streli R, et al. **Aktuel Probl Chir Orthop** 1981;15:75-6 **(Ger)**

[Initial experiences with a total knee joint prosthesis with movable axis] Tillmann K, et al. **Aktuel Probl Chir Orthop** 1981;15:72-4 **(Ger)**

PROSTHODONTICS

Orthodontic-prosthodontic collaboration in the treatment of craniofacial anomalies. Milenkovich PM, et al. **Int J Orthod** 1981 Jun;19(2):9-18

The prosthodontist, the patient, and the public. Bishop E. **J Prosthet Dent** 1981 Feb;45(2):205-8

[Professorship in prosthetic stomatology--concerns and realization] Musil R. **Z Aerztl Fortbild (Jena)** 1979 Nov 1;73(21):997-1000 **(Ger)**

EDUCATION

Integration of fixed and removable prosthodontics in an undergraduate curriculum. MacEntee MI. **J Dent Educ** 1981 Apr;45(4):204-6

Assessment of a prosthodontic course for dental hygienists using self-instructional learning modules. Nieman JA. **J Dent Educ** 1981 Feb;45(2):65-7

HISTORY

An analysis of the development of complete denture impression techniques. Zinner ID, et al. **J Prosthet Dent** 1981 Sep;46(3):242-9

INSTRUMENTATION

[Model analysis in preparation for prosthetic treatment of tooth defects and the partial and complete edentulous mouth] Milikewitsch VJ. **Stomatol DDR** 1980 Nov; 30(11):845-7 **(Ger)**

STANDARDS

Guides to standards in prosthetic dentistry. A report by the British Society for the Study of Prosthetic Dentistry. **Br Dent J** 1981 Mar 17;150(6):167-9

TRENDS

Prosthetic dentistry today. Preiskel HW. **J R Soc Med** 1981 Apr;74(4):240-2

[Preventive measures and practice at the Prosthodontic Clinic] Fábián T. **Fogorv Sz** 1980 Dec;73(12):369-71 (Eng. Abstr.) **(Hun)**

[Some aspects of basic dental health care development with reference to prosthetic therapy] Jaworski Z. **Nov Med Tekh** 1979 May-Jun;29(3):185-92 (Eng. Abstr.) **(Pol)**

PROSTITUTION

Young male prostitutes: a psychosocial study. Allen DM. **Arch Sex Behav** 1980 Oct;9(5):399–426

Freud and the prostitute: male stereotypes of female sexuality in fin-de-siècle Vienna. Gilman SL. **J Am Acad Psychoanal** 1981 Jul;9(3):337–60

Prostitution in Lagos: a sociomedical study. Oleru UG. **J Epidemiol Community Health** 1980 Dec;34(4):312–5

Juvenile prostitution: a nursing perspective. Brown FE. **J Psychiatr Nurs** 1980 Dec;18(12):32–4

Counseling the young prison prostitute. Southwell M. **J Psychiatr Nurs** 1981 May;19(5):25–6

Sexually transmitted diseases in teenage girls from a remand home. Teoh SK, et al. **Med J Malaysia** 1980 Dec; 35(2):109–11

[Genital mycoplasmas and N. gonorrhoeae in prostitutes (author's transl)] Fernández H, et al. **Rev Med Chil** 1980 Sep;108(9):814–7 (Eng. Abstr.) **(Spa)**

HISTORY

Prostitution and venereal disease in early Singapore (1819—1889) Part I. Lee YK. **Singapore Med J** 1980 Oct; 21(5):720–31

Prostitution and venereal disease in early Singapore (1819–1889)—Part II. Lee YK. **Singapore Med J** 1980 Dec; 21(6):781–90

PROTAMINES

Secondary structure prediction of fish protamines. Toniolo C. **Biochim Biophys Acta** 1980 Aug 21;624(2):420–7

Preparation and conformational study of clupeine fragments. Bonora GM, et al. **Int J Pept Protein Res** 1981 Feb; 17(2):181–8

[Effects of pH and ionic strength on interaction of different histone fractions and protamine with immobilized histone H4] Khrapunov SN, et al. **Biokhimiia** 1980 Jan;45(1):35–41 (Eng. Abstr.) **(Rus)**

[Circular dichroism spectra of DNA complexes with stellins A and B—protamines from Acipenser stellatus] Rybin VK, et al. **Biokhimiia** 1981 Feb;46(2):276–9 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Monitoring of blood coagulation in open heart surgery. II. Use of individualized dosages of heparin and protamine controlled by activated coagulation times. Dercksen SJ, et al. **Acta Anaesthesiol Belg** 1980;31(2):121–8

Monitoring of blood coagulation in open heart surgery. I. Effects of conventional dosages of heparin and protamine. Dercksen SJ, et al. **Acta Anaesthesiol Belg** 1980;31(2):113–9

Cardiovascular effects of protamine sulfate in man. Conahan TJ 3d, et al. **Anesth Analg (Cleve)** 1981 Jan;60(1):33–6

Rate of infection of protamine [letter] Gorski DW, et al. **Anesth Analg (Cleve)** 1981 Jul;60(7):538–9

Ineffectiveness of protamine zinc somatostatin as a long-acting inhibitor of insulin and growth hormone secretion. Tannenbaum GS, et al. **Can J Physiol Pharmacol** 1980 Aug;58(8):951–5

Management of postoperative heparin rebound following cardiopulmonary bypass. Pifarré R, et al. **J Thorac Cardiovasc Surg** 1981 Mar;81(3):378–81

Kinetics and in vivo redistribution of (111)Indium-labelled human platelets after intravenous protamine sulphate. Heyns AD, et al. **Thromb Haemost** 1980 Oct 31;44(2):65–8

ADVERSE EFFECTS

Protamine sulphate hypersensitivity. Doolan L, et al. **Anaesth Intensive Care** 1981 May;9(2):147–9

An anaphylactic reaction to protamine in a patient allergic to fish. Knape JT, et al. **Anesthesiology** 1981 Sep; 55(3):324–5

[Cardiac arrest following protamine sulphate administration (author's transl)] Tonczar L, et al. **Wien Klin Wochenschr** 1981 Jan 23;93(2):63–5 (Eng. Abstr.) **(Ger)**

ANALYSIS

The determination of the heparin neutralising capacity of protamine using acridine orange fluorescence. Edwards HE, et al. **Thromb Haemost** 1980 Jun 18;43(2):108–11

ANTAGONISTS & INHIBITORS

Characterization of a new potent heparin. 2nd communication: Chemical analysis of the carbohydrate content and determination of the biological activity of a new potent heparin preparation in vitro, using protamine neutralization and amidolytic methods for factor Xa and thrombin. Bhargava AS, et al. **Arzneimittelforsch** 1980; 30(7):1071–4

BIOSYNTHESIS

The release of high mobility group protein H6 and protamine gene sequences upon selective DNase I degradation of trout testis chromatin. Levy-Wilson B, et al. **Nucleic Acids Res** 1980 Jul 11;8(13):2859–69

BLOOD

Effects of heparin and protamine on coagulation [letter] Glowitz RJ. **Am J Clin Pathol** 1981 Jan;75(1):130

Monitoring heparin anticoagulation and its neutralization. Jobes DR, et al. **Ann Thorac Surg** 1981 Feb;31(2):161–6

DIAGNOSTIC USE

Diagnostic value of the paracoagulation protamine sulphate test (PSt) in the pulmonary diseases more frequently encountered in the clinical practice. Sabolla L, et al. **Boll Ist Sieroter Milan** 1980;59(3):226–32

GENETICS

Molecular analysis of the protamine multi-gene family in rainbow trout testis. Gedamu L, et al. **Nucleic Acids Res** 1981 Mar 25;9(6):1463–82

Quantitation of mRNAs during mouse spermatogenesis: protamine-like histone and phosphoglycerate kinase-2 mRNAs increase after meiosis. Erickson RP, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):6086–90

ISOLATION & PURIFICATION

[Particulate fractionation and properties of basic proteins of sperm chromatin of bivalve molluscs] Odintsova NA, et al. **Biokhimiia** 1981 Mar;46(3):489–94 (Eng. Abstr.) **(Rus)**

METABOLISM

Mode of binding and internalization into mouse macrophages of heparin complexed with polycations. Bleiberg I, et al. **Biochim Biophys Acta** 1981 May 18;674(3):345–53

Polypeptide hormones and chromatin-associated proteins act as acceptors for cholera toxin-catalyzed ADP-ribosylation. Trepel JB, et al. **J Neurochem** 1981 Feb;36(2):538–43

['In vitro' protaminase activity of human plasma and serum and the human carboxypeptidase N (author's transl)] Blass J, et al. **Pathol Biol (Paris)** 1980 Oct;28(8):527–34 (Eng. Abstr.) **(Fre)**

[Enzymatic degradation of nucleoproteins and their heparin complexes] Roszkowska W, et al. **Acta Haematol Pol** 1980 Jul-Sep;11(3):153–8 (Eng. Abstr.) **(Pol)**

PHARMACODYNAMICS

Histamine release from rat mast cells induced by protamine sulfate and polyethylene imine. Schnitzler S, et al. **Agents Actions** 1981 Apr;11(1–2):73–4

Protamine--a potent inhibitor of vesicular stomatitis virus transcriptase in vitro. Talib S, et al. **Biochem Biophys Res Commun** 1981 Feb 12;98(3):875–83

Stimulation of glycosaminoglycan sulfotransferase from chick embryo cartilage by basic proteins and polyamines. Habuchi O, et al. **Biochim Biophys Acta** 1980 Dec 4; 616(2):208–17

The effect of protamine on serum levels of placental protein 5 (PP5) in normal and abnormal pregnancy: a possible relation to coagulation abnormalities. Salem HT, et al. **Br J Obstet Gynaecol** 1981 Apr;88(4):367–70

Reversal of protamine of the prolonged response to intrapulmonary heparin. Wright CJ, et al. **Can J Surg** 1981 Mar;24(2):130–2

Study of agglutination of mouse mammary carcinoma (FM3A) cell induced by egg agglutinin of Rana catesbiana. II. Phytohemagglutinin P and protamine. Takeda S, et al. **Exp Cell Biol** 1981;49(1):54–9

Tissue energy of mammalian modulator-dependent protein kinases. Kuo WN. **Experientia** 1981 May 15;37(5):453–4

Effects of basic proteins on spontaneous rosette formation between human lymphocytes and xenogeneic erythrocytes. Hokland P, et al. **Int Arch Allergy Appl Immunol** 1981; 65(2):212–9

Effects of hyaluronidase and protamine on resistance and transport after coronary flow reduction in heparinized dogs. Overholser KA, et al. **J Pharmacol Exp Ther** 1981 Apr;217(1):62–9

Interaction of C1s and C1 inactivator in the presence of heparin, dextran sulfate and protamine sulfate. Takada A, et al. **Thromb Res** 1980 Jun 15;18(6):847–59

[Mode of action of protamine sulfate on histamine secretion in the rat mast cells] Schnitzler S, et al. **Acta Biol Med Ger** 1980;39(10):1037–44 (Eng. Abstr.) **(Ger)**

[The influence of artificial infrared radiation and microwaves upon mucopolysaccharides, protamine sulphate, and mucin in virus-infected organ cultures (author's transl)] Henneberg G, et al. **Zentralbl Bakteriol [A]** 1980 Mar; 246(2):167–83 (Eng. Abstr.) **(Ger)**

[Study of the stimulating action of sturin, its fractions, and the internal protein of T2 phage in transfection of E. coli spheroplasts by Lambda phage DNA] Moiseeva TF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Mar;(3):68–71 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

The effect of zinc-protamine-glucagon in acute pancreatitis. Kalima TV, et al. **Ann Chir Gynaecol** 1980;69(6):293–5

PROTEASE ANTAGONISTS see **PROTEASE INHIBITORS**

PROTEASE INHIBITORS

Prevention of degradation of human polymorphonuclear leukocyte proteins by diisopropylfluorophosphate. Amrein PC, et al. **Blood** 1980 Sep;56(3):442–7

2S globulins of soybean seeds. 2. Physicochemical and biological properties of protease inhibitors in 2S globulins. Koshiyama I, et al. **J Agric Food Chem** 1981 Mar-Apr; 29(2):340–3

Inactivation of trypsin-like proteases by depsipeptides of p-guanidinobenzoic acid. Ganu VS, et al. **J Med Chem** 1981 Jun;24(6):698–700

A rationale for the application of trasylol as a protease inhibitor in radioimmunoassay. Zyznar ES. **Life Sci** 1981 Apr 27;28(17):1861–6 (68 ref.)

Structure of the potato inhibitor complex of carboxypeptidase A at 2.5-A resolution. Rees DC, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4633–7

[Protease inhibitors] Lambin P. **Rev Fr Transfus Immunohematol** 1980 May;23(2):147–83 (110 ref.) **(Fre)**

[Conformational changes during proteinase inhibitor proteins interaction with chymotrypsin] Shul'mina AI, et al. **Biokhimiia** 1981 Jun;46(6):1080–6 (Eng. Abstr.) **(Rus)**

[Interaction of free and immobilized subunits of protein inhibitors of protease] Mosolov VV, et al. **Dokl Akad Nauk SSSR** 1980;255(5):1278–80 **(Rus)**

ADMINISTRATION & DOSAGE

[Use of contrical with heparin in the acute period of myocardial infarct] Lazutin VK, et al. **Kardiologiia** 1981; 21(1):21–7 (Eng. Abstr.) **(Rus)**

[Application of retrograde perfusion of the liver to the treatment of cryptogenic sepsis] Borisov AE. **Vestn Khir** 1980 Jul;125(7):60–1 **(Rus)**

ANALYSIS

Proteinases and proteinase inhibitors in uterine fluid with special reference to IUD-users. Casslén B. **Acta Obstet Gynecol Scand [Suppl]** 1981;98:1–38

Protease inhibitors in middle ear effusions. Carlsson B, et al. **Ann Otol Rhinol Laryngol** 1981 Jan-Feb;90(1 Pt 1):38–41

Protease inhibitors in inflammatory synovial effusions. Hadler NM, et al. **Ann Rheum Dis** 1981 Feb;40(1):55–9

Protease and antiprotease concentrations in serum and vaginal fluid of patients with carcinoma of the cervix. Benítez-Bribiesca L, et al. **Arch Invest Med (Mex)** 1980; 11(4):523–45 **(Eng, Spa)**

Occurrence of proteinase A isoinhibitors in wild type yeast strains and commercial baker's yeast. Meussdoerffer F. **Biochem Biophys Res Commun** 1980 Nov 28;97(2):423–9

Comparative study of proteinase inhibitors in human amniotic fluid and maternal serum. Bhat AR, et al. **Br J Obstet Gynaecol** 1980 Dec;87(12):1109–14

Inhibitors associated with the proteinases of mammalian cells and tissues. Lenney JF. **Curr Top Cell Regul** 1980;17:25–57 (180 ref.)

Comparisons of alveolar and peritoneal macrophages: soluble protein, esterase, dipeptidyl aminopeptidase II, and proteinase inhibitor. Allen RC, et al. **J Histochem Cytochem** 1980 Sep;28(9):947–52

Localization of low molecular weight protease inhibitor in serous secretory cells of the respiratory tract. Kramps JA, et al. **J Histochem Cytochem** 1981 Jun;29(6):712–9

[Demonstration of an epidermal SH-protease inhibitor in normal epithelium and in some human neoplasms--an immunological study (author's transl)] Rinne A, et al. **Acta Histochem [Suppl] (Jena)** 1980;22:325–9 (Eng. Abstr.) **(Ger)**

[The significance of proteinase inhibitors in lacrimal fluid (author's transl)] Zirm M. **Klin Monatsbl Augenheilkd** 1980 Dec;177(6):759–67 (Eng. Abstr.) **(Ger)**

[Chromatin-bound protease and its inhibitor from rat peritoneal macrophages (author's transl)] Inagaki T, et al. **Tanpakushitsu Kakusan Koso** 1980;25(6):447–53 (40 ref.) **(Jpn)**

[Activity of granulocyte proteinases and level of acid-stable proteinase inhibitors in the bronchial secretions of children with bronchopathies of different etiology] Oglobina OG, et al. **Vopr Med Khim** 1980 May-Jun;26(3):387–92 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Ozone inactivation of human alpha 1-proteinase inhibitor. Johnson DA. **Am Rev Respir Dis** 1980 Jun;121(6):1031–8

BIOSYNTHESIS

Improvement of the productivity of elasnin, a specific elastase inhibitor, by Streptomyces noboritoensis KM-2753. Ohno H, et al. **J Antibiot (Tokyo)** 1980 May;33(5):474–9

Proteinase inhibitors from Actinomycetales. I. Screening methods and screening efficiency. Fleck WF, et al. **Z Allg Mikrobiol** 1980;20(9):587–90

BLOOD

Proteolysis and antiproteolysis associated with toxemia of pregnancy. Vázquez Escobosa C, et al. **Arch Invest Med (Mex)** 1980;11(4):445–59 **(Eng, Spa)**

Purification and physicochemical characterization of a new rat plasma proteinase inhibitor, alpha 1-inhibitor III.

Esnard F, et al. **Biochim Biophys Acta** 1980 Aug 7; 614(2):553–63

Fractionation and partial characterization of alpha-1-protease isoinhibitors of horse. Pellegrini A, et al. **Biochim Biophys Acta** 1980 Dec 4;616(2):351–61

Protease inhibitor profiles in urticaria and angio-oedema. Eftekhari N, et al. **Br J Dermatol** 1980 Jul;103(1):33–9

Proteinase inhibitors and other biochemical criteria in infants and primary schoolchildren from urban and rural environments. Schelp FP, et al. **Br J Nutr** 1981 May; 45(3):451–9

Serum-mediated suppression of cell-associated plasminogen activator activity in cultured endothelial cells. Levin EG, et al. **Cell** 1980 Dec;22(3):701–7

The effect of cigarette smoke condensate on alpha 1-antitrypsin, antileukoprotease and granulocyte elastase. Ohlsson K, et al. **Eur J Clin Invest** 1980 Oct;10(5):373–9

Influence of plasma protease inhibitors and Trasylol on trypsin-induced bradykinin-release in vitro and in vivo. Protease inhibitors and trypsin-induced bradykinin release. Balldin G, et al. **Eur Surg Res** 1980;12(4):260–9

Cell surface protease activity of human lymphocytes; its inhibition by alpha 1-antitrypsin. Bata J, et al. **Experientia** 1981 May 15;37(5):518–9

Natural protease inhibitors to fibrinolysis in liver diseases. Arnman R, et al. **Hepatogastroenterology** 1980 Aug; 27(4):254–8

Multimolecular forms of thiol proteinase inhibitor in human plasma. Sasaki M, et al. **J Biochem (Tokyo)** 1981 Jan; 89(1):169–77

Immunological studies of plasma protease inhibitors associated with human blood platelets. Endresen GK. **Thromb Res** 1980 Jul 1–15;19(1–2):157–63

[Significance of antiproteases in coagulation and fibrinolytic mechanisms] Donner L. **Vnitr Lek** 1981 Feb;27(2):199–94 (Eng. Abstr.) **(Cze)**

[Immunochemical studies on coagulant, fibrinolytic factors and proteinase inhibitors in fraction (I) separated with lysine-sepharose affinity chromatography (author's transl)] Miyatani K. **Rinsho Byori** 1980 Oct;28(10):1047–50 **(Jpn)**

[The level of protease inhibitors in experimental acute pancreatitis and after glucagon administration (author's transl)] Podkowicz K, et al. **Przegl Lek** 1980;37(5):453–6 (Eng. Abstr.) **(Pol)**

[Enzyme-inhibiting system in coxarthrosis deformans] Tal'ko II, et al. **Ortop Travmatol Protez** 1981 Jun;(6):28–32 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

(p-Amidinophenyl)methanesulfonyl fluoride, an irreversible inhibitor of serine proteases. Laura R, et al. **Biochemistry** 1980 Oct 14;19(21):4859–64

Studies on the synthesis of proteinase inhibitors. II. Synthesis of cyclic nonapeptide fragments and analogs related to the reactive sites of soybean Bowman-Birk inhibitor. Terada S, et al. **Int J Pept Protein Res** 1980 May;15(5):441–54

GENETICS

Two-dimensional gel electrophoresis of sheep plasma proteins: genetic polymorphism of an alphal-protease inhibitor and a post-transferrin. Juneja RK, et al. **Anim Blood Groups Biochem Genet** 1980;11(2):81–92

Protease inhibitor system in horses: classification and detection of a new allele. Pollitt CC, et al. **Anim Blood Groups Biochem Genet** 1980;11(4):235–44

IMMUNOLOGY

Autoantibodies to an epidermal protease inhibitor in skin diseases. Hopsu-Havu VK, et al. **Br J Dermatol** 1981 Jun; 104(6):621–5

Inhibition of human natural cytotoxicity by macromolecular antiproteases. Hudig D, et al. **J Immunol** 1981 Apr; 126(4):1569–74

ISOLATION & PURIFICATION

Proteinase inhibitors from Vigna unguiculata subsp. cylindrica. I. Occurrence of thiol proteinase inhibitors in plants and purification from Vigna unguiculata subsp. cylindrica. Rele MV, et al. **Arch Biochem Biophys** 1980 Oct 1;204(1):117–28

Proteinase inhibitors from Vigna unguiculata subsp. cylindrica. III. Properties and kinetics of inhibitors of papain, subtilisin, and trypsin. Vartak HG, et al. **Arch Biochem Biophys** 1980 Oct 1;204(1):134–40

Proteinase inhibitors from Vigna unguiculata subsp. cylindrica. II. Inhibitors of subtilisin and trypsin. Vartak HG, et al. **Arch Biochem Biophys** 1980 Oct 1;204(1):129–33

Endogenous thiol protease inhibitor from rat liver. Kominami E, et al. **Biochem Biophys Res Commun** 1981 Mar 31; 99(2):568–75

Isolation and characterization of an acid-stable proteinase inhibitor from amniotic fluid. Bhat AR, et al. **Biochem Med** 1981 Jun;25(3):346–55

Amino acid sequence of a carboxypeptidase inhibitor from tomato fruit. Hass GM, et al. **Biochemistry** 1981 Apr 14; 20(8):2256–60

Isolation and properties of a chymotrypsin inhibitor from winged bean seed (Psophocarpus tetragonolobus (L) Dc.). Kortt AA. **Biochim Biophys Acta** 1980 Jul 24;624(1):237–48

Characterization of a bronchial inhibitor in the sputum of chronic bronchitics. Girard F, et al. **Bull Eur Physiopathol Respir** 1980;16 Suppl:237–45

Purification and partial characterization of a plasma inhibitor of tonin. Tremblay J, et al. **Can J Biochem** 1981 Apr; 59(4):256–61

Purification and some properties of two proteinase inhibitors (DE-1 and DE-3) from Erythrina latissima (broad-leaved erythrina) seed. Joubert FJ, et al. **Hoppe Seylers Z Physiol Chem** 1981 May;362(5):531–8

Inhibition of leukocyte granule proteinases by natural inhibitors isolated from colostrum and bull seminal plasma. Stančíková M, et al. **Hoppe Seylers Z Physiol Chem** 1980 Jul;361(7):1129–33

Chromatography of human serum protease inhibitors on DEAE-cellulose. Bhat AR, et al. **Indian J Exp Biol** 1980 Sep;18(9):965–8

Antiproteolytic activities found in human tears. Anderson JA, et al. **Ophthalmology (Rochester)** 1981 Jan;88(1):82–4

Isolation and characterization of some proteinase inhibitors from Phaseolus vulgaris var. nanus. Gerstenberg H, et al. **Z Lebensm Unters Forsch** 1980 Jul;171(1):28–34

METABOLISM

Heparin binding and protease inhibitor activity of chemically modified antithrombin III. Blackburn MN, et al. **Ann NY Acad Sci** 1981;370:700–7

On the biological role of a proteolytic-enzyme inhibitor from the ectoparasitic tick Boophilus microplus. Willadsen P, et al. **Biochem J** 1980 Aug 1;189(2):295–303

Chemical characterization, synthesis and distribution of proteinase inhibitor in newborn rat epidermis. Hibino T, et al. **Biochim Biophys Acta** 1980 Oct 1;632(2):214–26

Pathophysiological interpretation of kinetic constants of protease inhibitors. Bieth JG. **Bull Eur Physiopathol Respir** 1980;16 Suppl:183–97

Localization of a low molecular weight protease inhibitor in the respiratory tract. Franken C, et al. **Bull Eur Physiopathol Respir** 1980;16 Suppl:231–6

Proteases and antiproteases in bronchoalveolar lavage. Hayem A, et al. **Bull Eur Physiopathol Respir** 1980;16 Suppl:247–60

The acid stable proteinase inhibitors of the respiratory tract. Chemistry and function. Hochstrasser K. **Bull Eur Physiopathol Respir** 1980;16 Suppl:223–30

Inactivation of alpha 1-proteinase inhibitor and bronchial mucous proteinase inhibitor by cigarette smoke in vitro and in vivo. Janoff A, et al. **Bull Eur Physiopathol Respir** 1980;16 Suppl:321–40

Interactions between granulocyte proteases and protease inhibitors in the lung. Ohlsson K. **Bull Eur Physiopathol Respir** 1980;16 Suppl:209–22

Serum derived protease inhibitors and leucocyte elastase in sputum and the effect of infection. Stockley RA, et al. **Bull Eur Physiopathol Respir** 1980;16 Suppl:261–72

Protease inhibitors in duodenal juice from children with malabsorption. Borulf S, et al. **Clin Chim Acta** 1981 May 5;112(2):253–5

Wound-regulated synthesis and vacuolar compartmentation of proteinase inhibitors in plant leaves. Ryan CA. **Curr Top Cell Regul** 1980;17:1–23 (58 ref.)

Vascular invasion of cartilage: correlation of morphology with lysozyme, glycosaminoglycans, protease, and protease-inhibitory activity during endochondral bone development. Reddi AH, et al. **Dev Biol** 1981 Mar; 82(2):217–23

Myeloperoxidase-catalyzed inactivation of alpha 1-protease inhibitor by human neutrophils. Clark RA, et al. **J Biol Chem** 1981 Apr 10;256(7):3348–53

Released protease-nexin regulates cellular binding, internalization, and degradation of serine proteases. Low DA, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2340–4

[Problems in intensive care posed by imbalance in the protease—protease inhibitor system] Bieth J. **Ann Anesthesiol Fr** 1980;21(6):647–52 (Eng. Abstr.) **(Fre)**

[Protease inhibitors and chronic respiratory diseases] Endres P. **Prax Klin Pneumol** 1981 Jun;35(6):249–62 **(Ger)**

[Biological activities of protease inhibitors (author's transl)] Aoyagi T. **Tanpakushitsu Kakusan Koso** 1980;25(6):597–608 (124 ref.) **(Jpn)**

[Natural inhibitors of connective tissue protein degrading proteinases (author's transl)] Stančíková M, et al. **Cas Lek Cesk** 1980 Dec 19;119(51):1401–4 (Eng. Abstr.) **(Slo)**

PHARMACODYNAMICS

Proteolysis in the rat lung: hypoxia and evidence for an inhibitor of proteolysis. Chiang MJ, et al. **Am J Physiol** 1981 Aug;241(2):E101–7

Protection of steroid hormone receptors by protease inhibitors. Hazato T, et al. **Biochem Biophys Res Commun** 1981 Jan 30;98(2):488–93

Serine protease inhibitors inhibit superoxide production by human basophils stimulated by anti-IgE. Kitagawa S, et al. **Biochem Biophys Res Commun** 1980 Jul 31;95(2):801–6

Enhancement by alpha-1-antichymotrypsin of antibody response in vivo. Matsumoto M, et al. **Biochem Biophys Res Commun** 1981 May 15;100(1):478–82

Protection of human plasma kallikrein from inactivation by C1 inhibitor and other protease inhibitors. The role of high molecular weight kininogen. Schapira M, et al. **Biochemistry** 1981 May;20(10):2738–43

Degradation of apolipoprotein B of low density lipoprotein by cultured bovine smooth muscle cells. Accumulation of intermediates in the presence of protease inhibitors. Aulinskas TH, et al. **Biochim Biophys Acta** 1981 Feb 23; 663(2):421–31

Differential effects of proteinase inhibitors and amines on the lysosomal and non-lysosomal pathways of protein degradation in isolated rat hepatocytes. Grinde B, et al. **Biochim Biophys Acta** 1980 Sep 17;632(1):73–86

The effects of protease inhibitors on histidine decarboxylase activities and assay of enzyme in various rat tissues. Yamada M, et al. **Biochim Biophys Acta** 1980 Oct;615(2):458–64

Cytotoxic effects of protease inhibitors on human cells. 2. Effect of elastatinal. Yagi T, et al. **Cancer Lett** 1980 Oct; 10(4):301–7

Effects of protease inhibitors on radiation transformation in vitro. Kennedy AR, et al. **Cancer Res** 1981 Jun;41(6):2103–8

Protease inhibitor regulation of B-cell differentiation. Arora PK, et al. **Cell Immunol** 1981 May 1;60(1):155–67

Inhibitory effects of native and synthetic protease inhibitors on plasma proteases in acute pancreatitis. Takasugi S, et al. **Hiroshima J Med Sci** 1980 Dec;29(4):189–94

In vitro susceptibility of erythrocytes of Presbytis entellus (Indian Langur) to Plasmodium knowlesi & blocking of merozoite invasion process by certain protease inhibitors. Dutta GP, et al. **Indian J Exp Biol** 1981 Jan;19(1):9–11

Inhibitors of acrosomal proteinase as antifertility agents. A problem of acrosomal membrane permeability. Schill WB, et al. **Int J Androl** 1981 Feb;4(1):25–38

Induction of type-C retrovirus by the tumor promotor TPA. Hellman KB, et al. **Int J Cancer** 1981 Jan 15;27(1):95–9

Selective inhibition of collagen breakdown by proteinase inhibitors in granulation tissue in rats. Nakagawa H, et al. **J Biochem (Tokyo)** 1981 Apr;89(4):1081–90

The reactive site amino acid sequences of silktree (Albizzia julibrissin) seed proteinase inhibitors. Odani S, et al. **J Biochem (Tokyo)** 1980 Aug;88(2):297–391

Time-dependent inhibition of tuberculin-induced lymphocyte DNA synthesis by a serine protease inhibitor. Ku GS, et al. **J Immunol** 1981 Jun;126(6):2209–14

Protease inhibitors reduce effects of denervation on muscle end-plate acetylcholinesterase. Fernandez HL, et al. **J Neurochem** 1980 Nov;35(5):1166–71

Elevation of substance P-like immunoreactivity in rat central nervous system by protease inhibitors. Hanson GR, et al. **J Neurochem** 1980 Dec;35(6):1370–4

A scanning electron microscopy study of the effect of proteinase inhibitors on mouse uterine morphology. Noonan SM, et al. **J Reprod Fertil** 1980 Jul;59(2):519–23

Inhibition of cell proliferation and protease activity by cartilage factors and heparin. Hatcher VB, et al. **J Supramol Struct** 1980;14(1):33–46

Chymostatin inhibits cellular aggregation of activated human peripheral blood lymphocytes. Lane JT, et al. **Life Sci** 1980 Aug 11;27(6):451–6

A protease inhibitor of Nippostrongylus brasiliensis. Juhász S, et al. **Mol Biochem Parasitol** 1981 Jun;3(2):83–90

Ca-activated neutral protease and its inhibitors: in vitro effect on intact myofibrils. Sugita H, et al. **Muscle Nerve** 1980 Jul-Aug;3(4):335–9

The enkephalinase inhibitor thiorphan shows antinociceptive activity in mice. Roques BP, et al. **Nature** 1980 Nov 20; 288(5788):286–8

Inhibition of carcinogen-induced chromosomal aberrations by an anticarcinogenic protease inhibitor. Kinsella AR, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3544–7

Protease inhibitors modify induction of endogenous type C oncornavirus. Hellman KB, et al. **Proc Soc Exp Biol Med** 1981 Jan;166(1):28–34

Selective protection of methionine enkephalin released from brain slices by enkephalinase inhibition. Patey G, et al. **Science** 1981 Jun 5;212(4499):1153–5

The mechanism of the inhibitory effect of protease inhibitors on platelet aggregation and cellular synthesis of prostaglandins. I. The effect on the release of arachidonic acid from phospholipids. Kosaki G, et al. **Thromb Res** 1980 Dec 1–15;20(5–6):587–98

Strategies for anticoagulation with synthetic protease inhibitors. Xa inhibitors versus thrombin inhibitors. Tidwell RR, et al. **Thromb Res** 1980 Aug 1;19(3):339–49

[Studies of the effect of effectors on proteinases from rat liver lysosomes in vitro] Salama ZB. **Acta Biol Med Ger** 1980;39(4):355–66 (Eng. Abstr.) **(Ger)**

[Effects of protease inhibitors and anti-inflammatory drugs on acid autolysis of bovine ocular tissues (author's transl)] Takaku Y. **Nippon Ganka Gakkai Zasshi** 1980 Aug; 84(8):699–704 (Eng. Abstr.) **(Jpn)**

[Effect of proteolytic enzymes and their inhibitors on absorption from the abdominal cavity] Synovets AS, et al. **Fiziol Zh** 1980 Sep-Oct;26(5):692–5 **(Rus)**

[Effectiveness of commercial polyvalent proteinase inhibitors. Comparative analysis of their effect on kallikreins from different sources and trypsin] Iarovaia GA, et al. **Vopr Med Khim** 1980 Nov-Dec;26(6):832–7 (Eng. Abstr.) **(Rus)**

[The effect of proteinase inhibitors on trauma and metastases formation (author's transl)] Agostino D, et al. **Sangre (Barc)** 1980;25(2):145–52 **(Spa)**

THERAPEUTIC USE

Survival from DIC following amniotic fluid embolism. Successful treatment with a serine proteinase inhibitor; FOY. Taenaka N, et al. **Anaesthesia** 1981 Apr;36(4):389–93

Prevention of elastase-induced experimental emphysema by a synthetic elastase inhibitor administered orally. Janoff A, et al. **Bull Eur Physiopathol Respir** 1980;16 Suppl:399–405

Proteinase inhibitors in severe inflammatory processes (septic shock and experimental endotoxaemia): biochemical, pathophysiological and therapeutic aspects. Fritz H. **Ciba Found Symp** 1979;(75):351–79 (59 ref.)

In vivo effects of protease inhibitors on chickens with hereditary muscular dystrophy. Hudecki MS, et al. **J Clin Invest** 1981 Apr;67(4):969–74

The effect of proteinase inhibitors on experimentally induced equine E. coli endotoxemia. Burrows GE. **Toxicon** 1981; 19(1):189–92

[Correction of the reparative process disorders in the wound in extensive burns in the septicotoxemia phase by using proteolytic enzyme inhibitors] Dolgina MI, et al. **Khirurgiia (Mosk)** 1980 Nov;(11):82–6 (Eng. Abstr.) **(Rus)**

[Basis for using proteolytic enzymatic inhibitors in severe forms of intestinal infections in children] Bogadel'nikov IV, et al. **Pediatriia** 1981 Jan;(1):58–9 **(Rus)**

[Prospects for the use of immobilized enzymes in surgery] Veremeenko KN, et al. **Sov Med** 1981;(1):92–4 **(Rus)**

[Blood kallikrein–kinin system of bronchial asthma patients before and after treatment with proteinase inhibitors] Iasnitskaia MIa, et al. **Ter Arkh** 1981;53(4):63–7 (Eng. Abstr.) **(Rus)**

[Effectiveness of commercial polyvalent proteinase inhibitors. Use of gordox in vascular surgery] Iarovaia GA, et al. **Vopr Med Khim** 1980 Nov–Dec;26(6):837–43 (Eng. Abstr.) **(Rus)**

[Effect of a number of enzyme preparations on the course of experimental parotitis] Levitskii AP, et al. **Vopr Med Khim** 1980 Nov–Dec;26(6):847–51 (Eng. Abstr.) **(Rus)**

URINE

Partial purification and properties of urinary thiol proteinase inhibitors. Taniguchi K, et al. **J Biochem (Tokyo)** 1981 Jan; 89(1):179–84

PROTEASES see **PEPTIDE HYDROLASES**

PROTECTIVE CLOTHING

Effect of heat stress on physiological factors for industrial workers performing routine work and wearing impermeable vapor-barrier clothing. Mihal CP Jr. **Am Ind Hyg Assoc J** 1981 Feb;42(2):97–103

Differences in the extent of solvent penetration through natural rubber and nitrile gloves from various manufacturers. Sansone EB, et al. **Am Ind Hyg Assoc J** 1980 Jul;41(7):527–8

Protective clothing and thermal stress. Smith DJ. **Ann Occup Hyg** 1980;23(2):217–24

The effects of protective equipment on styrene exposure in workers in the reinforced plastics industry. Brooks SM, et al. **Arch Environ Health** 1980 Sep–Oct;35(5):287–94

Nickel penetration through rubber gloves. Wall LM. **Contact Dermatitis** 1980 Dec;6(7):461–3

A protective apron for users of 32P. Rubin C. **Health Phys** 1980 Sep;39(3):574–6

Determination of the optimal temperature of a heat carrier introduced into the liquid heated suit to normalize the heat balance under cold conditions. Koshcheev VS, et al. **Hum Physiol** 1979 Nov–Dec;5(5):835–9

Automatic control of human thermal comfort by a liquid–cooled garment. Kuznetz LH. **J Biomech Eng** 1980 May;102(2):155–61

The evaluation of fabrics in relation to their use as protective garments in nursing and surgery. III. Wet penetration and contact transfer of particles through clothing. Mackintosh CA, et al. **J Hyg (Lond)** 1980 Dec;85(3):393–403

Immersion coveralls for use by helicopter passengers. Light IM, et al. **J Soc Occup Med** 1980 Oct;30(4):141–8

Textiles as aseptic barriers: the past, present, and future. Belkin NL. **Med Instrum** 1980 Jul–Aug;14(4):233–6

Intensifying the efforts of proper glove selection. Figard WH. **Occup Health Saf** 1980 Jul–Aug;49(7):30, 42

Minimizing occupational exposure to pesticides: repellency and penetrability of treated textiles to pesticide sprays. Freed VH, et al. **Residue Rev** 1980;75:159–67

[Contact allergy to N-isopropyl N'-phenylparaphenylenediamine (IPPD) in different individual protective devices (author's transl)] Herve Bazin B, et al. **Derm Beruf Umwelt** 1980;28(3):82–8 (Eng. Abstr.) **(Fre)**

[Utilization of therapeutic textile segments in a metal industry factory] Vogel H. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl** 1980 Mar; 30(3):75–8 **(Ger)**

[Hygienic aspects of divers' wet suits] Koshcheev VS, et al. **Gig Sanit** 1981 Apr;(4):86–8 **(Rus)**

[Combined action of the products of vital activities in human work in individual protective, insulating clothing] Sedov AV, et al. **Gig Sanit** 1981 Apr;(4):15–7 (Eng. Abstr.) **(Rus)**

[Method of modeling the hemodynamic effects of weightlessness and the modification of the Chibis protective vacuum suit for its application] Lapaev EV, et al. **Izv Akad Nauk SSSR [Biol]** 1981 May–Jun;(3):443–5 **(Rus)**

[Effect of negative pressure on the lower half of the body (the Chibis suit) and of local negative pressure on central circulation in the healthy human] Katkov VE, et al. **Kosm Biol Aviakosm Med** 1981 Jun–Jul;15(4):13–8 (Eng. Abstr.) **(Rus)**

[Changes in the basic indices of human hemodynamics in lower body compression using an anti-G suit] Letkova LI, et al. **Kosm Biol Aviakosm Med** 1980 Sep–Oct;14(5):70–3 (Eng. Abstr.) **(Rus)**

STANDARDS

Chemical permeation of protective clothing. Williams JR. **Am Ind Hyg Assoc J** 1980 Dec;41(12):884–7

The thermal protection offered by lightweight survival systems. Light IM, et al. **Aviat Space Environ Med** 1980 Oct;51(10):1100–3

Controlling the exotic diseases: 2. Nursing management. Best HR, et al. **Can Med Assoc J** 1980 Nov 8;123(9):867–71

[Evaluation of heat resistant clothing] **Chung Hua Yu Fang I Hsueh Tsa Chih** 1979;13(1):34–7 **(Chi)**

[Overalls for miner protection from overheating when crossing high temperature water tables] Afanas'eva RF, et al. **Gig Tr Prof Zabol** 1980 Apr;(4):37–41 (Eng. Abstr.) **(Rus)**

PROTECTIVE DEVICES

Skin absorption and protective gloves in dynamite work. Hogstedt C, et al. **Am Ind Hyg Assoc J** 1980 May; 41(5):367–72

System for routine testing of self-contained and airline breathing equipment. McDermott HJ, et al. **Am Ind Hyg Assoc J** 1980 Jul;41(7):489–93

The physiological responses of mild pulmonary impaired subjects while using a 'demand' respirator during rest and work. Raven PB, et al. **Am Ind Hyg Assoc J** 1981 Apr; 42(4):247–57

Inhalation exposure of cadmium workers: effects of respirator usage. Smith TJ, et al. **Am Ind Hyg Assoc J** 1980 Sep; 41(9):624–9

Welding processes and ocular hazards and protection. Pabley AS, et al. **Am J Ophthalmol** 1981 Jul;92(1):77–84

Should we educate for motorcycle safety helmet use? Allegrante JP. **Am J Public Health** 1981 Aug;71(8):859

Freedom and protection: a balancing of interests. Baker SP, et al. **Am J Public Health** 1981 Mar;71(3):295–7

Save that child: children and automobile restraints [editorial] Meyer RJ. **Am J Public Health** 1981 Feb;71(2):122–3

Perspective on the public good. Perkins RJ. **Am J Public Health** 1981 Mar;71(3):294–5

Helmet use, helmet use laws, and motorcyclist fatalities. Watson GS, et al. **Am J Public Health** 1981 Mar; 71(3):297–300

The Tennessee child restraint law in its third year. Williams AF, et al. **Am J Public Health** 1981 Feb;71(2):163–5

Cineradiographic study of football helmets and the cervical spine. Virgin H. **Am J Sports Med** 1980 Sep–Oct;8(5):310–7

Measurement of the dust protection and airflow of a helmet respirator. Bancroft B, et al. **Ann Occup Hyg** 1980; 23(3):295–304

The behaviour of fibrous filter media in dust respirators. Brown RC. **Ann Occup Hyg** 1980;23(4):367–80

Objective evaluation of earplugs for the control of water–borne infection. Johnson DW, et al. **Ann Otol Rhinol Laryngol** 1981 Jan–Feb;90(1 Pt 1):89–93

T1 bacteriophage as an indicator for decontamination of laminar–flow biological safety cabinets. Jones KE, et al. **Appl Environ Microbiol** 1981 Apr;41(4):1072–3

The effects of protective equipment on styrene exposure in workers in the reinforced plastics industry. Brooks SM, et al. **Arch Environ Health** 1980 Sep–Oct;35(5):287–94

Eye protection for patients undergoing oral surgery. Bourne J, et al. **Br J Oral Surg** 1980 Sep;18(2):136–7

A grim experiment [editorial] **Br Med J** 1980 Aug 9; 281(6237):406

Puck impact response of ice hockey face masks. Norman RW, et al. **Can J Appl Sport Sci** 1980 Dec;5(4):208–14

Eye injuries in racquet sports: a continuing problem [letter] Easterbrook M. **Can Med Assoc J** 1980 Aug 23; 123(4):268–9

Polyvinyl chloride dermatitis not caused by phthalates. Schulsinger C, et al. **Contact Dermatitis** 1980 Dec; 6(7):477–80

Should states require child passenger protection? **Hastings Cent Rep** 1981 Jun;11(3):21–2

The use of infants' and children's occupant safety devices in motor vehicles: an observational study. Smith RG, et al. **Hawaii Med J** 1980 Nov;39(11):283–5

A comparative model study of respiratory period prediction on men exercising while wearing masks. Johnson AT, et al. **IEEE Trans Biomed Eng** 1980 Aug;27(8):430–9

Correlation of field injuries and GM hybrid III dummy responses for lap–shoulder belt restraint. Nyquist GW, et al. **J Biomech Eng** 1980 May;102(2):103–9

Alarm device to prevent compression of subcutaneous vascular grafts. Messe AA, et al. **J Cardiovasc Surg (Torino)** 1981 Mar–Apr;22(2):179–80

Speech intelligibility in noise with ear protectors. Abel SM, et al. **J Otolaryngol** 1980 Jun;9(3):256–65

Brief clinical and laboratory observations. Litt IF, et al. **J Pediatr** 1981 Sep;99(3):484–6

Brooks blanket. Brooks SD. **J R Army Med Corps** 1981 Jun; 127(2):78–81

Child safety programs: implications affecting use of child restraints. Hoadley MR, et al. **J Sch Health** 1981 May; 51(5):352–5

An assessment of the usefulness and acceptability of eye shields under field conditions. Verma N. **Lepr Rev** 1981 Jun;52(2):141–9

A new ventilation failure alarm. Kirsner RL, et al. **Med Biol Eng Comput** 1980 Nov;18(6):799–800

Will fenced pools save lives? A 10–year study from Mulgrave Shire, Queensland. Milliner N, et al. **Med J Aust** 1980 Nov 1;2(9):510–1

Evaluation of head and neck trauma. McWhorter JM. **NC Med J** 1980 Aug;41(8):512–4

Respiratory needs in high risk areas. Finck J. **Occup Health Saf** 1981 Jul;50(7):31–2

Better industrial vision testing and safety. Hirschfelder D. **Occup Health Saf** 1980 Nov–Dec;49(10):30–1, 33–4, 56–7

Putting the respiratory protection problem in perspective. Kloos EJ. **Occup Health Saf** 1980 Jul–Aug;49(7):32–41, 43

A safe ride for Pennsylvania's children. Widome MD. **Pa Med** 1981 Jun;84(6):26–30

Effect of pediatricians' counseling on infant restraint use. Reisinger KS, et al. **Pediatrics** 1981 Feb;67(2):201–6

Penetration of protective gloves as a route of intake for tritiated water and 125I–labelled sodium iodide solution. Harris SJ, et al. **Phys Med Biol** 1980 Nov;25(6):1089–94

A new device for free skin grafting in rats. Ueda M, et al. **Plast Reconstr Surg** 1981 May;67(5):671–2

The safety of children in cars. Avery JG. **Practitioner** 1980 Aug;224(1346):816–21

The effect of hearing protectors on the attention demand of warning sounds. Wilkins PA, et al. **Scand Audiol** 1981; 10(1):37–43

Surgical pros and cons: impact of repeal of motorcycle helmet law [editorial] **Surg Gynecol Obstet** 1981 Apr; 152(4):503–5

Dying on the highways: Virginia's children. Zanga JR, et al. **Va Med** 1981 Jan;108(1):34–6

A non–pharmacologic approach to the treatment of exercise–induced bronchospasm. Schachter EN, et al. **Yale J Biol Med** 1980 Nov–Dec;53(6):485–96

[Very useful eyeglasses] Leopold P. **J Fr Ophtalmol** 1980 Dec;3(12):759–62 (Eng. Abstr.) **(Fre)**

[Safety handles for ski sticks to prevent eye, hand and stomach injuries (author's transl)] Payer H. **Klin Monatsbl Augenheilkd** 1980 Dec;177(6):819–21 (Eng. Abstr.) **(Ger)**

[Causes of car–occupant injuries and reduction of such injuries by using modern safety devices (author's transl)] Niederer P, et al. **Unfallheilkunde** 1980 Jun;83(6):326–40 (Eng. Abstr.) **(Ger)**

[Does the wearing of a hearing protective device influence the recognition of an acoustic signal] Lazarus H. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1980;30(6):204–12 **(Ger)**

[Visual system protection against infrared radiation: I. Previous investigations of the harmful effects in infrared radiation on the visual system (author's transl)] Szymański J. **Klin Oczna** 1981 Jan;83(1):35–6 **(Pol)**

[Vision organ protection against infrared radiation: II. Experimental emitter of infrared radiation (author's transl)] Szymański J. **Klin Oczna** 1981;83(3):157–9 (Eng. Abstr.) **(Pol)**

[Functional state of adolescent workers exposed to occupational noise and using FPP–Sh (Berushi)–type antinoise inserts] Gel'tishcheva EA. **Gig Tr Prof Zabol** 1981 Mar;(3):16–8 (Eng. Abstr.) **(Rus)**

[Effectiveness of individual noise protection of the ears and cerebral vessels] Ryzhov AIa, et al. **Gig Tr Prof Zabol** 1981 Feb;(2):40–1 **(Rus)**

[Stereophotogrammetric apparatus for determining the parameters of protective glasses] Boiarov MM, et al. **Med Tekh** 1981 Jan–Feb;(1):21–4 (Eng. Abstr.) **(Rus)**

[Postoperative corrective 'screens'] Kliuka IV, et al. **Oftalmol Zh** 1980;35(8):505–6 **(Rus)**

[Effectiveness of antinoise devices in pulsed noise exposure] Mel'nichenko PI, et al. **Voen Med Zh** 1981;(7):46–9 **(Rus)**

ADVERSE EFFECTS

Effect of protective helmet mass on head/neck dynamics. Huston RL, et al. **J Biomech Eng** 1981 Feb;103(1):18–23

INSTRUMENTATION

Custom–molded earplug performance: a retrospective study. Smith CR, et al. **Scand Audiol** 1980;9(2):113–7

STANDARDS

An industry viewpoint on respirator research needs... Birkner LR. **Am Ind Hyg Assoc J** 1980 Dec;41(12):A30, A32, A34

Respirator protection factors: Part II–protection factors of supplied–air respirators. Hack AL, et al. **Am Ind Hyg Assoc J** 1980 May;41(5):376–81

Eye protection in psoralen photochemotherapy. Davey JB,

et al. **Br J Dermatol** 1981 Mar;104(3):295–300
Light sources and shade number of welding filters. Zaborski L. **Bull Inst Marit Trop Med Gdynia** 1980;31(1–2):31–40
Patient restraint and safety vests: minimizing the hazards. Katz L, et al. **Dimens Health Serv** 1981 May;58(5):10–1
Hepatitis B virus in the laboratory [letter] Simmons NA. **Lancet** 1980 Dec 6;2(8206):1255
Sports eye injuries a preventable disease. Vinger PF. **Ophthalmology (Rochester)** 1981 Feb;88(2):108–13
The difference in protection efficiency between earplugs and earmuffs. An investigation performed at a workplace. Erlandsson B, et al. **Scand Audiol** 1980;9(4):215–21
The efficiency of hearing protection to impulse noise. Forrest MR. **Scand Audiol [Suppl]** 1980 Aug;(Suppl 12):186–93
Differences in efficiency of earplugs and earmuffs measured as hearing impairments from two workshops. Ivarsson A, et al. **Scand Audiol [Suppl]** 1980 Aug;(Suppl 12):194–9
Non linear attenuation by hearing protectors. Johansson B. **Scand Audiol [Suppl]** 1980 Aug;(Suppl 12):200–3
Determination of the characteristics of earmuffs subjected to the action of impulse noise. Parmentier G, et al. **Scand Audiol [Suppl]** 1980 Aug;(Suppl 12):213–22
Efficacy of a new ear-plug: Takeda's ear-plug (untone). Takeda H, et al. **Scand Audiol [Suppl]** 1980 Aug;(Suppl 12):223–9
[Deformation of synthetics in the steel ball impact experiment] Sutter E, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1980;30(7):255–8 (Eng. Abstr.) **(Ger)**
[Problems in improving and standardizing anti-dust respirators] Bykhovskaia IA. **Gig Tr Prof Zabol** 1980 Apr;(4):45–7 **(Rus)**

SUPPLY & DISTRIBUTION

Injuries in karate—a case for medical control. McLatchie GR, et al. **J Trauma** 1980 Nov;20(11):956–8

UTILIZATION

The effect of long term use of hearing protectors in industrial noise. Nilsson R, et al. **Scand Audiol [Suppl]** 1980 Aug;(Suppl 12):204–11

PROTEIN A see **STAPHYLOCOCCAL PROTEIN A**

PROTEIN ARGININE METHYLTRANSFERASE see under **PROTEIN METHYLTRANSFERASES**

PROTEIN BINDING

see related
CARRIER PROTEINS
THYROXINE BINDING PROTEIN

Symposium on drug protein binding. Biochemical, pharmacokinetic and clinical implications. Stockholm, March 26–28, 1980. Abstracts. **Acta Pharm Suec** 1980;17(2):65–104
A new method for the determination of the site binding constant of each species of a partially ionized drug. Parsons DL, et al. **Acta Pharm Suec** 1980;17(1):12–30
Ligand binding to macromolecules: determination of binding parameters by combined use of ligand buffers and flow dialysis; application to calcium-binding proteins. Haiech J, et al. **Anal Biochem** 1980 Jun;105(1):18–23
Analysis of protein association by partitioning in aqueous two-phase polymer systems: applications to the tetramer-dimer dissociation of hemoglobin. Middaugh CR, et al. **Anal Biochem** 1980 Jul 1;105(2):364–8
Scatchard plot: common misinterpretation of binding experiments. Nørby JG, et al. **Anal Biochem** 1980 Mar 1;102(2):318–20
A 59Co NMR relaxation probe of macromolecule anionic binding sites. Raj T, et al. **Anal Biochem** 1980 Aug;106(2):373–6
Ligand-affinity sedimentation equilibrium using an air-driven ultracentrifuge. Howlett GJ, et al. **Arch Biochem Biophys** 1980 Jul;202(2):507–14
Influence of hetero-association on the precipitation of proteins by poly(ethylene glycol). Miekka SI, et al. **Arch Biochem Biophys** 1980 Sep;203(2):630–41
Inhibition kinetics of enzymatic and membrane transport processes with two inhibitor molecules. Lacko L, et al. **Arzneimittelforsch** 1980;30(11):1849–52
Solvent viscosity and protein dynamics. Beece D, et al. **Biochemistry** 1980 Nov 11;19(23):5147–57
The evaluation of non-hyperbolic ligand binding and substrate saturation data using variable Hill coefficients. Knack I, et al. **Biochim Biophys Acta** 1980 Aug 7;614(2):613–24
Macromolecular binding in assessing drug and chemical-induced tissue lesions. Mitchell JR, et al. **J Environ Pathol Toxicol** 1977 Nov-Dec;1(2):101–15
Ultrafiltration in serum protein binding determinations. Whitlam JB, et al. **J Pharm Sci** 1981 Feb;70(2):146–50
Computer simulations of the kinetics of reversible ligand binding to a multivalent macromolecule. Consequences of negative binding co-operativity associated with changes of the association and dissociation rate constants. Kuchel PW, et al. **J Theor Biol** 1980 Aug 7;85(3):497–505
Protein symmetry and the co-operative ligand-binding behaviour predicted by allosteric Koshland models. Whitehead EP. **J Theor Biol** 1980 Sep 7;86(1):45–82
Mixed and uniform co-operativity of ligand binding to multisite proteins: the co-operativity types allowed by the Adair equation and conditions for them. Whitehead EP. **J Theor Biol** 1980 Nov 7;87(1):153–70
Investigation of the hexosamines loosely bound to the serum proteins in various diseases. Módy EJ. **Med Interne** 1980 Oct-Dec;18(4):421–3
Effects of hyperthermia on binding, internalization, and degradation of epidermal growth factor. Magun BE, et al. **Radiat Res** 1981 Apr;86(1):133–46
Covalent binding of carbon tetrachloride metabolites to liver nuclear DNA, proteins, and lipids. Diaz Gomez MI, et al. **Toxicol Appl Pharmacol** 1980 Nov;56(2):199–206
Trace metal protein binding in normal and dialyzed uremic serum. Gidden H, et al. **Trans Am Soc Artif Intern Organs** 1980;26:133–8
[Determination of the protein binding capacity of corticosteroids from the serum (author's transl)] Gerner R, et al. **Z Geburtshife Perinatol** 1981 Feb;185(1):12–4 (Eng. Abstr.) **(Ger)**
[Comparative determination of transcortin, total cortisol and free cortisol in the plasma of mothers, newborn and non-pregnant women (author's transl)] Hartmann F, et al. **Z Geburtshife Perinatol** 1981 Feb;185(1):15–9 (Eng. Abstr.) **(Ger)**
[Automated analysis of radioimmunoassays and protein binding determinations] Hubl W, et al. **Z Med Lab Diagn** 1981;22(1):18–22 (Eng. Abstr.) **(Ger)**
[Determination of 25-hydroxycholecalciferol in the blood by means of protein binding competition] Loré F, et al. **Boll Soc Ital Biol Sper** 1980 Jan 15;56(1):76–81 (Eng. Abstr.) **(Ita)**

DRUG EFFECTS

Human plasma binding of warfarin. Displacement effect of several antimicrobials. Villalba-Pimentel L, et al. **Acta Cient Venez** 1978;29(5):393–6
Plasma protein binding of azapropazone in patients with kidney and liver disease. Jähnchen E, et al. **Br J Clin Pharmacol** 1981 Apr;11(4):361–7
Effects of caffeine on plasma free fatty acids, urinary catecholamines, and drug binding. Patwardhan RV, et al. **Clin Pharmacol Ther** 1980 Sep;28(3):398–403
Effect of heparin on bilirubin clearance in rats: pharmacokinetic consequences of extensive hepatic extraction of plasma protein binding inhibitors. Wiegand UW, et al. **J Pharm Sci** 1980 Oct;69(10):1228–30

PROTEIN BINDING RADIOASSAY see **RADIOLIGAND ASSAY**

PROTEIN-BOUND IODINE TEST

[Circular diagram for instant evaluation of thyroid function] Váňa S, et al. **Vnitr Lek** 1981 May;27(5):457–64 (Eng. Abstr.) **(Cze)**

METHODS

[Fundamental and clinical evaluations of the measurement of triiodothyronine. Uptake with MAA (macroaggregated albumin) (author's transl)] Ban Y, et al. **Horumon To Rinsho** 1981 Feb;29(2):251–5 **(Jpn)**
[Fundamental and clinical evaluation of SPAC T3 uptake kit (author's transl)] Doi K, et al. **Horumon To Rinsho** 1980 Oct;28(10):1223–6 **(Jpn)**
[An in-vitro test of thyroid function by T3 Uptake (MAA) Kit (author's transl)] Yoshii H, et al. **Horumon To Rinsho** 1980 Apr;28(4):443–6 **(Jpn)**
[Evaluation of T3-uptake using T3-uptake MAA kit (author's transl)] Kawakami R, et al. **Radioisotopes** 1980 Apr;29(4):191–3 **(Jpn)**
[Determination of protein-bound iodine in small amounts of blood serum (or plasma)] Eremin IuN, et al. **Lab Delo** 1980;(7):428–30 (Eng. Abstr.) **(Rus)**

PROTEIN-CALORIE MALNUTRITION

[Maternal nutrition and fetal growth: Chilean perspectives (author's transl)] Atalah E, et al. **Rev Med Chil** 1980 Apr;108(4):351–7 (Eng. Abstr.) **(Spa)**

BLOOD

Erythrocytic enzymes and amino acids related to glutamic acid metabolism in childhood hypoproteinemic states. Agarwal KN, et al. **Am J Clin Nutr** 1981 May;34(5):924–7
Febrile and plasma iron responses of rabbits injected with endogenous pyrogen from malnourished patients. Hoffman-Goetz L, et al. **Am J Clin Nutr** 1981 Jun;34(6):1109–16
Serum 25-hydroxy-vitamin D levels in malnourished children with rickets. Raghuramulu N, et al. **Arch Dis Child** 1980 Apr;55(4):285–7
The early changes in retinol-binding protein and prealbumin concentrations in plasma of protein-energy malnourished children after treatment with retinol and an improved diet. Large S, et al. **Br J Nutr** 1980 May;43(3):393–402
Interrelationships of blood glucose, cortisol, insulin and albumin in protein-energy malnutrition. Johnson AO, et al. **East Afr Med J** 1980 Nov;57(11):745–50
Study of plasma copper in protein energy malnutrition. Goel R, et al. **Indian Pediatr** 1980 Nov;17(11):869–73
Study of plasma zinc protein energy malnutrition. Goel R, et al. **Indian Pediatr** 1980 Nov;17(11):863–7
Plasma cortisol, immunoreactive insulin and oral glucose tolerance in protein calorie malnutrition. Misra PK, et al. **Indian Pediatr** 1980 May;17(5):411–5
Serum transferrin, ceruloplasmin and haemopexin levels in protein-energy malnutrition (study of 50 cases). Ones U, et al. **J Trop Pediatr** 1980 Feb;26(1):16–9
Two pathways to kwashiorkor? Lunn PG, et al. **Trans R Soc Trop Med Hyg** 1979;73(4):438–44
Red blood cells amino-acid pattern in protein energy malnutrition and the effect of oral dosing with single amino acids. el-Shobaki FA, et al. **Z Ernaehrungswiss** 1980 Sep;19(3):147–53
[Reciprocal changes in T3 nd rT3 serum concentrations in digestive diseases resulting in childhood protein-calorie malnutrition (author's transl)] Trimarchi F, et al. **Ann Endocrinol (Paris)** 1980 Sep-Oct;41(5):371–8 (Eng. Abstr.) **(Fre)**
[Iron, copper, and zinc in children from Tanzania afflicted with protein-calorie malnutrition] Donzelli GP, et al. **Boll Soc Ital Biol Sper** 1979 Feb 28;55(4):355–60 (Eng. Abstr.) **(Ita)**
[Serum lipids in undernourished Venezuelan preschool children during the recovery phase] Terán LF, et al. **Acta Cient Venez** 1980;31(6):62–5 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Acute inflammatory responses in rats with protein-calorie malnutrition. Leme-Brasil MR, et al. **Agents Actions** 1980 Nov;10(5):445–50
Essential fatty acid deficiency in malnourished children. Holman RT, et al. **Am J Clin Nutr** 1981 Aug;34(8):1534–9
Nutritional status of orthopedic patients with surgical complications. Pratt WB, et al. **Clin Orthop** 1981 Mar-Apr;(155):81–4
Anaemia in protein energy malnutrition in preschool children. Agarwal RK, et al. **Indian J Med Res** 1980 Aug;72:236–40
Lactose intolerance in children with protein-energy malnutrition. Verma M, et al. **Indian J Pediatr** 1980 Jul-Aug;47(387):273–7
Hypothermia in malnutrition. Devi PS, et al. **Indian Pediatr** 1980 Feb;17(2):151–4
A study of radiological changes in protein calorie malnutrition. Mehta SM, et al. **Indian Pediatr** 1980 Mar;17(3):241–5
Effect of malnutrition on distal latencies in children and their neurological correlates. Mohan M, et al. **Indian Pediatr** 1981 Jan;18(1):59–63
Protein energy malnutrition in Madurai part II: symptoms associated with vitamin-A deficiency. Vijayaraghavan R, et al. **Indian Pediatr** 1980 Dec;17(12):951–5
Implications of malnutrition in chemical carcinogenesis. Deo MG. **J Cancer Res Clin Oncol** 1981;99(1–2):77–86
Intestinal disaccharide intolerance in protein-energy malnutrition. Varma M. **J Indian Med Assoc** 1980 Oct 1;75(7):149–51
Nutritional status of children with bacterial meningitis. Rosen EU, et al. **S Afr Med J** 1980 Dec 20;58(25):1004–6
Nutritional support in cardiac failure. Heymsfield SB, et al. **Surg Clin North Am** 1981 Jun;61(3):635–52
Protein energy malnutrition—acute metabolic derangements. Heyworth B. **Trop Doct** 1980 Oct;10(4):152–3
[Maternal nutrition and fetal growth: Chilean perspectives (author's transl)] Atalah E, et al. **Rev Med Chil** 1980 Apr;108(4):351–7 (Eng. Abstr.) **(Spa)**
[Some factors related to low birth weight (author's transl)] Mardones F. **Rev Med Chil** 1980 Sep;108(9):830–54 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Anthropometric norms used in assessment of hospitalized patients. Bistrian B. **Am J Clin Nutr** 1980 Oct;33(10):2211–4
Evaluation of protein-energy malnutrition in surgical patients from plasma valine and other amino acids, proteins, and anthropometric measurements. Young GA, et al. **Am J Clin Nutr** 1981 Feb;34(2):166–72
Early nutritional depletion in critically ill children. Pollack MM, et al. **Crit Care Med** 1981 Aug;9(8):580–3
Skeletal maturation of hands and wrists in normal and malnourished children. Saxena S, et al. **Indian J Pediatr** 1980 May-Jun;47(386):187–91
Midarm/head circumference ratio in the assessment of protein-energy malnutrition. Sen V, et al. **Indian J Pediatr** 1980 May-Jun;47(386):213–5
Anthropometric measurements of pre-school children in rural population of Jhansi district. Srivastava JP, et al. **Indian J Pediatr** 1980 May-Jun;47(386):193–7
Weight/height ratio in assessment of protein calorie malnutrition. Sen V, et al. **Indian Pediatr** 1980 Feb;17(2):135–8
Anthropometric measurements and their interpretation: principles, practices, and problems. Gray GE, et al. **J Am Diet Assoc** 1980 Nov;77(5):534–9 (46 ref.)
Clinical nutritional assessment: a perspective. Hooley RA. **J Am Diet Assoc** 1980 Dec;77(6):682–6
Some anthropometric studies of normal and marasmic Egyptian children. Hussein FH, et al. **J Egypt Med Assoc** 1978;61(7–8):471–84
Nutritional assessment of orthopedic patients. Dreblow DM,

et al. **Mayo Clin Proc** 1981 Jan;56(1):51–4
Surgical nutrition—nutritional assessment. Rose SG, et al. **Nebr Med J** 1981 Jan;66(1):6–8
Nutritional measurements in maintenance hemodialysis (MHD) patients. Thunberg B, et al. **Proc Clin Dial Transplant Forum** 1979;9:120–4
[Nutritional evaluation] Genest L, et al. **Union Med Can** 1980 Apr;109(4):522–8 (Eng. Abstr.) **(Fre)**
[Protein/energy index in the evaluation of body composition in preschool children] Amador M, et al. **Bol Med Hosp Infant Mex** 1980 Jul–Aug;37(4):631–44 (Eng. Abstr.) **(Spa)**
[Nutritional assessment of patients in the hospital (author's transl)] Uauy R, et al. **Rev Med Chil** 1980 Jun;108(6):542–50 (Eng. Abstr.) **(Spa)**

DIET THERAPY

Recovery of cellular immune competence during treatment of protein–calorie malnutrition. Koster F, et al. **Am J Clin Nutr** 1981 May;34(5):887–91
Impact of a feeding program on preschool children with severe malnutrition. Winslow C, et al. **Arch Latinoam Nutr** 1980 Jun;30(2):273–8
The effect of rehabilitation at different stages of development of rats marginally malnourished for ten to twelve generations. Stewart RJ, et al. **Br J Nutr** 1980 May; 43(3):403–12
Treating protein–energy malnutrition [editorial] **J Hum Nutr** 1980 Oct;34(5):321
Practical aspects of dietary management during rehabilitation from severe protein–energy malnutrition. Ashworth A. **J Hum Nutr** 1980 Oct;34(5):360–9
Dietary bulk as a limiting factor for nutrient intake in pre-school children. A problem description. Ljungqvist B, et al. **J Trop Pediatr** 1981 Apr;27(2):68–73
Mobilization of hepatic vitamin A by zinc supplementation in zinc deficiency associated with protein–energy malnutrition. **Nutr Rev** 1980 Aug;38(8):275–7
Protein and energy requirements of the hospitalized patient. Ruberg RL. **Ohio State Med J** 1981 Jun;77(6):382–4
Effect of diabetes and protein malnutrition on the rate of muscle protein breakdown in rats. Santidrián S, et al. **Rev Esp Fisiol** 1980 Sep;36(3):255–63
[Suggestions for the preventive, curative and rehabilitation treatment of severe dystrophy and protein–calorie malnutrition in infants and young children] Georméneanu M, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1981 Jan–Mar;30(1):25–41 **(Rum)**

DRUG THERAPY

Effect of zinc supplementation on the dietary intake, rate of weight gain, and energy cost of tissue deposition in children recovering from severe malnutrition. Golden MH, et al. **Am J Clin Nutr** 1981 May;34(5):900–8

ENZYMOLOGY

Comparative effects of ethanol and malnutrition on the development of catecholamine neurons: changes in specific activities of enzymes. Detering N, et al. **J Neurochem** 1980 Feb;34(2):297–304
DNA and DNases in normal and undernourished rat brain. Rao KS, et al. **J Neurosci Res** 1980;5(4):299–304
Pyruvate kinase activity in the lymphocytes of malnourished, anergic patients. Wren SF, et al. **J Surg Res** 1980 Sep; 29(3):203–8
Experimental postnatal malnutrition in rats and its effect on the regional concentration of acetylcholinesterase in the brain. Iramain CA, et al. **Z Tierphysiol Tierernaeher Futtermittelkd** 1980;44(1):54–6
[Changes in the activity of protecting systems against lipoperoxidation in experimental malnutrition (author's transl)] Valenzuela A, et al. **Rev Med Chil** 1980 Sep; 108(9):795–800 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Diarrhea in malnourished infants. Gleason WA Jr. **Compr Ther** 1980 Dec;6(12):30–5
Protein energy malnutrition in Madurai part I: causes of precipitation. Vijayaraghavan R, et al. **Indian Pediatr** 1980 Dec;17(12):945–9
Protein–calorie melnutrition in hemodialysis patients. Guarnieri G, et al. **Int J Artif Organs** 1980 May;3(3):143–6
Weaning practices amongst the Hausas. Osuhor PC. **J Hum Nutr** 1980 Aug;34(4):273–80
Iatrogenic malnutrition in patients receiving ventilatory support. Driver AG, et al. **JAMA** 1980 Nov 14; 244(19):2195–6
Protein versus energy in protein energy malnutrition. Truswell AS. **S Afr Med J** 1981 May 16;59(21):753–6 (52 ref.)
Surgically created nutritional problems. Hill GL. **Surg Clin North Am** 1981 Jun;61(3):721–8
Consequences of malnutrition in the surgical patient. Mullen JL. **Surg Clin North Am** 1981 Jun;61(3):465–87 (55 ref.)
[The influence of the milieu in child malnutrition] Alvarez ML, et al. **Arch Latinoam Nutr** 1980 Jun;30(2):254–63 (Eng. Abstr.) **(Spa)**
[Secondary malnutrition: impact of genetic, metabolic and neurological involvement] Lacassie Y, et al. **Rev Chil Pediatr** 1980 Jul–Aug;51(4):257–60 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

SCE frequency in malnourished mice. Murthy PB, et al. **Metabolism** 1981 Jan;30(1):1–2

IMMUNOLOGY

Host defense mechanisms in protein energy malnutrition. Keusch GT. **Adv Exp Med Biol** 1981;135:183–209 (133 ref.)
Lymphocytes in protein–calorie malnutrition [letter] Salimonu LS, et al. **Am J Clin Nutr** 1980 Dec; 33(12):2699–700
Influence of nutrition on postvaccinial tuberculin sensitivity. Satyanarayana K, et al. **Am J Clin Nutr** 1980 Nov; 33(11):2334–7
Immunoglobulin–containing cells in jejunal mucosa of children with protein–energy malnutrition and gastroenteritis. Green F, et al. **Arch Dis Child** 1980 May; 55(5):380–3
Cell–mediated immunity in nutritional imbalance. Chandra RK. **Fed Proc** 1980 Nov;39(13):3088–92
Immune status in malnutrition. Puri V, et al. **Indian Pediatr** 1980 Feb;17(2):127–33
Protein Malnutrition and complement activity in guinea pigs, germ-free and conventional rats. Petersen BH, et al. **J Nutr** 1980 Nov;110(11):2159–65
Autoantibodies and protein–calorie malnutrition [letter] Youinou P, et al. **J Rheumatol** 1981 Jan–Feb;8(1):174–5
Immune status of the malnourished host. Suskind RM. **J Trop Pediatr** 1980 Feb;26(1):1–6
Effect of folic acid deficiency on nonspecific immunity (phagocytic activity and nitroblue – tetrazolium reduction). Youinou P, et al. **Pathol Biol (Paris)** 1981 Mar;29(3):175–8
[Immunological disorders in protein–calorie deficiency in children] Pletsityí KD. **Pediatriia** 1980;(9):60–2 (32 ref.) **(Rus)**

METABOLISM

Hair copper during experimental protein–energy malnutrition in pigs. Bradfield RB, et al. **Am J Clin Nutr** 1980 Oct; 33(10):2224–5
Leukocyte migration inhibition factor production in marasmic infants. Heresi GP, et al. **Am J Clin Nutr** 1981 May;34(5):909–13
Jejunal macromolecular absorption and bile salt deconjugation in protein–energy malnourished rats. Teichberg S, et al. **Am J Clin Nutr** 1981 Jul;34(7):1281–91
The biochemistry and physiology of kwashiorkor and marasmus. Coward WA, et al. **Br Med Bull** 1981 Jan; 37(1):19–24 (78 ref.)
Studies on progesterone receptors during protein malnutrition and steroid maintained pregnancy in rat. Singh RK, et al. **Endokrinologie** 1981;77(1):13–22
Biochemical composition of brain in young rhesus monkey with protein calorie malnutrition. Mehta S, et al. **Indian J Exp Biol** 1981 Mar;19(3):238–40
Cholesterol & free–fatty acids biosynthesis during protein malnutrition & steroid maintained pregnancy in rats. Singh RK, et al. **Indian J Exp Biol** 1980 Oct;18(10):1086–9
The effect of fasting and protein calorie malnutrition on the liver porphyrins. Smith SG, et al. **Int J Biochem** 1980; 12(5–6):979–80
Biochemical study of malnutrition. Part IV. Determination of amino acids in the serum, erythrocytes, urine and stool ultrafiltrates. Antener I, et al. **Int J Vitam Nutr Res** 1981; 51(1):64–78
Adult malnutrition—some biochemical and hormonal aberrations. Chhetri MK. **J Assoc Physicians India** 1980 Sep;28(9):297–309
Energy metabolism of the brain in malnutrition. An experimental study in young rhesus monkeys. Mehta S, et al. **J Med Primatol** 1980;9(6):335–42
Effect of protein–calorie malnutrition on catecholamine levels and weight of heart in rats. Rossi MA, et al. **J Neural Transm** 1980;48(2):85–99
The heart in protein–calorie malnutrition in rats: morphological, electrophysiological and biochemical changes. Pissaia O, et al. **J Nutr** 1980 Oct;110(10):2035–44
Effect of chronic malnutrition on intestinal structure, epithelial renewal, and enzymes in suckling rats. Guiraldes E, et al. **Pediatr Res** 1981 Jun;15(6):930–4
Metabolism of sulfadiazine in children with protein calorie malnutrition. Mehta S, et al. **Pharmacology** 1980; 21(6):369–74
Animal models for the study of protein–energy malnutrition. Whitehead RG. **Proc Nutr Soc** 1980 Sep;39(3):227–31
Influence of protein—calorie malnutrition on the circadian rhythm of pineal melatonin in the rat. Herbert DC, et al. **Proc Soc Exp Biol Med** 1981 Mar;166(3):360–3
Effect of calorie restriction and protein deficiency on protein metabolism in rats. Moustafa A el–H, et al. **Z Ernaehrungswiss** 1980 Sep;19(3):166–72
[Nutritional emergency and their assessment in internal medicine (author's transl)] Vazquez PE. **Praxis** 1981 Aug 4;70(32):1391–5 **(Fre)**
[Evaluation of glycogen reserve in the liver of malnourished infants using the glucagon test] Jabłońska–Ulbrych A. **Pediatr Pol** 1980;55(12):1311–6 (Eng. Abstr.) **(Pol)**

MICROBIOLOGY

Antibodies to Herpesvirus hominis types 1 and 2 in malnourished Nigerian children. Johnson AO, et al. **Arch Dis Child** 1981 Jan;56(1):45–8

OCCURRENCE

Protein energy malnutrition among pre–school children in a rural community of Manipur. Luwang NC. **Indian Pediatr** 1980 Nov;17(11):879–82
An epidemiological study of energy protein malnutrition in a rural community in Egypt. Hamid GA, et al. **J Egypt Med Assoc** 1978;61(9–10):613–20
A study of the pattern of clinical protein energy malnutrition in Accra from 1970 to 1978. Grimble RF. **J Trop Pediatr** 1981 Feb;27(1):12–4
Malnutrition in hospitalized patients. Steffee WP. **JAMA** 1980 Dec 12;244(23):2630–5
Nutritional status of nursing home patients. Shaver HJ, et al. **JPEN** 1980 Jul–Aug;4(4):367–70
Assessment of nutritional status in adult hospitalized patients. Tanphaichitr V, et al. **Nutr Metab** 1980;24(1):23–31
[Protein–calorie malnutrition in 3 Brazilian cities: São Luís, Recife and São Paolo] Batista Filho M, et al. **Bol Of Sanit Panam** 1981 Jan;90(1):48–58 (Eng. Abstr.) **(Por)**
[Nutritional status of adult patients in a general hospital (author's transl)] Bunout D, et al. **Rev Med Chil** 1980 Aug; 108(8):700–6 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Morphology of the mammotrophs and gonadotrophs in the anterior pituitary gland of rats with protein–calorie malnutrition. Herbert DC. **Am J Anat** 1980 Aug; 158(4):521–31
The relative numbers of oligodendroglia in different brain regions of normal and postnatally undernourished rats. Sikes RW, et al. **Brain Res Bull** 1981 May;6(5):385–91
Noradrenaline levels and morphologic alterations of myocardium in experimental protein–calorie malnutrition. Rossi MA, et al. **J Pathol** 1980 May;131(1):83–93
Vulnerability of cerebellar development in malnutrition–II. Intrinsic determination of total synaptic area on purkinje cell spines. Hillman DE, et al. **Neuroscience** 1981; 6(7):1263–75
Vulnerability of cerebellar development in malnutrition–I. Quantitation of layer volume and neuron numbers. Hillman DE, et al. **Neuroscience** 1981;6(7):1249–62
[Effect of long–term protein–calorie deficiency on the ultrastructure of cerebral cortex neurons] Pavlova IG, et al. **Zh Nevropatol Psikhiatr** 1980;80(7):1058–68 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

The effects of race, sex, and nutrition on craniofacial differeniation in rats. A multivariate analysis. Pucciarelli HM. **Am J Phys Anthropol** 1980 Sep;53(3):359–68
Growth patterns and hormonal profile of male rats with protein–calorie malnutrition. Herbert DC. **Anat Rec** 1980 Jul;197(3):339–54
Pre–eruptive protein–energy malnutrition and acid solubility of rat molar enamel surfaces. Aponte–Merced L, et al. **Arch Oral Biol** 1980;25(11–12):701–5
Effects of undernutrition on development of far–field auditory brain stem responses in rat pups. Plantz RG, et al. **Brain Res** 1981 Jun 1;213(2):319–26
Thyroid status in children with moderate to severe protein calorie malnutrition. Parekh BM, et al. **Indian Pediatr** 1980 Feb;17(2):139–44
Effect of prenatal malnutrition on cortical reactivity of the rat parietal association area. Soto–Moyano R, et al. **Int J Neurosci** 1981;13(2–3):99–102
Clinical aspects of protein deficiency with special reference to protein calorie malnutrition (PCM) in children. Thanangkul O, et al. **J Nutr Sci Vitaminol (Tokyo)** 1980; 26(3):189–208 (47 ref.)
Intellectual development and nutrition. Evans D, et al. **J Pediatr** 1980 Sep;97(3):358–63
Doxorubicin pharmacokinetics—the effects of protein deprivation. Kapelanski DP, et al. **J Surg Res** 1981 Apr; 30(4):331–7
Renal function in protein–energy malnutrition. Paniagua R, et al. **Pediatr Res** 1980 Nov;14(11):1260–2
Prenatal undernutrition: effects on behavior, brain chemistry and neuroanatomy in rats. Villescas R, et al. **Pharmacol Biochem Behav** 1981 Apr;14(4):455–62

PREVENTION & CONTROL

Enteral nutritional therapy. Rombeau JL, et al. **Surg Clin North Am** 1981 Jun;61(3):605–20 (53 ref.)
[Breast feeding in different income classes in the Municipality of São Paulo] Sigulem DM, et al. **Arch Latinoam Nutr** 1980 Sep;30(3):400–16 (Eng. Abstr.) **(Por)**
[Evaluation of a program of infant malnutrition in the Pudahuel clinic] Pedemonte M, et al. **Rev Chil Pediatr** 1980 Jul–Aug;51(4):291–4 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Models of infantile malnutrition in rats: effects on maternal behavior. Crnic LS. **Dev Psychobiol** 1980 Nov;13(6):615–28
Alterations of maternal behaviors of female rats caring for

malnourished pups. Fleischer SF, et al. **Dev Psychobiol** 1981 Jul;14(4):383–8

Deficits in spatial memory performance induced by early undernutrition. Jordan TC, et al. **Dev Psychobiol** 1981 Jul; 14(4):317–25

Energy-protein malnutrition and behavior. **Nutr Rev** 1980 Apr;38(4):164–7

REHABILITATION

Community level malnutrition vis-a-vis the role of nutrition rehabilitation centre. Roy AK, et al. **Indian J Med Res** 1980 Dec;72:846–53

[A nutrition rehabilitation unit for the treatment of severe infant malnutrition] Massa E, et al. **Arch Latinoam Nutr** 1980 Sep;30(3):417–31 (Eng. Abstr.) **(Spa)**

THERAPY

Trace elements and vitamin requirements in infants on total parenteral nutrition (T.P.N.). Ricour C, et al. **Acta Chir Scand [Suppl]** 1980;(498):67–9

Nutrition in medical-surgical private and institutional practice. Banez AV. **Am J Proctol Gastroenterol Colon Rectal Surg** 1981 Jul; 32(7):6–8, 13–9, passim

Hyperalimentation of the cancer patient with protein-calorie undernutrition. Nixon DW, et al. **Cancer Res** 1981 Jun; 41(6):2038–45

Nutritional support in the seriously ill patient. Fischer JE. **Curr Probl Surg** 1980 Sep;17(9):466–532 (103 ref.)

Nutritional support of the hospitalized patient. Seltzer MH, et al. **J Med Soc NJ** 1981 Apr;78(4):291–5

Effect of enteral and parenteral feeding in malnourished rats with E. coli-hemoglobin adjuvant peritonitis. Kudsk KA, et al. **J Surg Res** 1981 Aug;31(2):105–10

Home tube feeding for long-term nutritional support. Newmark SR, et al. **JPEN** 1981 Jan-Feb;5(1):76–9

Preventing and treating malnutrition in the elderly. Tomaiolo PP, et al. **JPEN** 1981 Jan-Feb;5(1):46–8

Indications for hyperalimentation in the treatment of head and neck malignancies. Close LG. **Otolaryngol Head Neck Surg** 1980 Nov-Dec;88(6):701–6

Parenteral nutrition in patients with head and neck cancer: techniques and results. Daly JM, et al. **Otolaryngol Head Neck Surg** 1980 Nov-Dec;88(6):707–13

Body composition and nutritional support. Shizgal HM. **Surg Clin North Am** 1981 Jun;61(3):729–41

Parenteral nutrition by peripheral vein. Watters JM, et al. **Surg Clin North Am** 1981 Jun;61(3):593–604

[Should undernutrition be corrected prior to surgery in patients with cancer of the oesophagus or cardia? (author's transl)] Belghiti J, et al. **Nouv Presse Med** 1981 Jun 20; 10(27):2273–9 (Eng. Abstr.) **(Fre)**

[Protein-calorie malnutrition in infants and young children] Maiorescu M, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1981 Jan-Mar; 30(1):1–24 **(Rum)**

[Total parenteral nutrition: a clinical experience in 111 cases (author's transl)] Maiz A, et al. **Rev Med Chil** 1980 Mar; 108(3):214–20 (Eng. Abstr.) **(Spa)**

URINE

Urinary excretion of 3-methylhistidine: an assessment of muscle protein catabolism in adult normal subjects and during malnutrition, sepsis, and skeletal trauma. Long CL, et al. **Metabolism** 1981 Aug;30(8):765–76

VETERINARY

Effects of maternal protein-energy malnutrition and cold stress on neutrophil function of bovine neonates. Woodard LF, et al. **Am J Vet Res** 1980 Aug;41(8):1208–11

Serum complement activity of protein-energy malnourished beef cows. Woodward LF, et al. **Am J Vet Res** 1980 Sep; 41(9):1546–8

Hemolytic complement levels of neonatal calves delivered from protein-energy malnourished dams and subjected to cold stress. Woodard LF, et al. **Cornell Vet** 1980 Jul; 70(3):266–71

PROTEIN CONFORMATION

Two-dimensional NMR spectroscopy: an application to the study of flexibility of protein molecules. Nagayama K. **Adv Biophys (Tokyo)** 1981;14:139–204 (153 ref.)

The anatomy and taxonomy of protein structure. Richardson JS. **Adv Protein Chem** 1981;34:167–339 (299 ref.)

Folding of protein fragments. Wetlaufer DB. **Adv Protein Chem** 1981;34:61–92 (97 ref.)

Temperature-induced conformational changes in calcium- and magnesium-dependent ATPase systems. Lippert JL, et al. **Ann NY Acad Sci** 1980;358:350–3

Protein folding. Rossmann MG, et al. **Annu Rev Biochem** 1981;50:497–532 (292 ref.)

Effect of protein-solvent interactions on protein conformation. Némethy G, et al. **Annu Rev Biophys Bioeng** 1981;10:459–97 (333 ref.)

Some regularities of dynamic accessibility of buried fluorescent residues to external quenchers in proteins. Bushueva TL, et al. **Arch Biochem Biophys** 1980 Oct 1; 204(1):161–6

Stereochemical requirements for the existence of hydrogen bonds in beta-bends. Némethy G, et al. **Biochem Biophys Res Commun** 1980 Jul 16;95(1):320–7

Properties of nucleation sites in globular proteins. Ponnuswamy PK, et al. **Biochem Biophys Res Commun** 1980 Dec 31;97(4):1582–90

Conformational studies of lipid-bound polypeptides by elucidation of proton-proton cross-relaxation networks. Wüthrich K, et al. **Biochem Biophys Res Commun** 1980 Aug 29;95(4):1504–9

Disulphide-bound formation in protein folding catalysed by highly-purified protein disulphide-isomerase. Freedman RB, et al. **Biochem Soc Trans** 1981 Feb;9(1):78–80

13C n.m.r. study of unfolding and motion in small proteins. Howarth OW. **Biochem Soc Trans** 1980 Oct;8(5):634–5

Solvent viscosity and protein dynamics. Beece D, et al. **Biochemistry** 1980 Nov 11;19(23):5147–57

Information content in the circular dichroism of proteins. Hennessey JP Jr, et al. **Biochemistry** 1981 Mar 3; 20(5):1085–94

35-GHz (Q-band) saturation transfer electron paramagnetic resonance studies of rotational diffusion. Johnson ME, et al. **Biochemistry** 1981 May;20(10):2875–80

Estimation of globular protein secondary structure from circular dichroism. Provencher SW, et al. **Biochemistry** 1981 Jan 6;20(1):33–7

Ordered conformation of polypeptides and proteins in acidic dodecyl sulfate solution. Wu CS, et al. **Biochemistry** 1981 Feb 3;20(3):566–70

The 'knotting' problem in proteins. Loop penetration. Klapper MH, et al. **Biochim Biophys Acta** 1980 Nov 20; 626(1):97–105

Kinetic correlations between the disulfide bond reduction and the induced conformational change of proteins. Segawa T, et al. **Biochim Biophys Acta** 1981 Mar 27;668(1):89–97

Use of nuclear Overhauser effect in the study of peptides and proteins. Roques BP, et al. **Biochimie** 1980; 62(11-12):753–73 (148 ref.)

Movement and self-control in protein assemblies. Quasi-equivalence revisited. Caspar DL. **Biophys J** 1980; 32(1):103–38

Conservation of chain reversal regions in proteins. Chou PY, et al. **Biophys J** 1979 Jun;26(3):385–99

Prediction of beta-turns. Chou PY, et al. **Biophys J** 1979 Jun;26(3):367–73

Solvent effects and polar interactions in the structural stability and dynamics of globular proteins. Finney JL, et al. **Biophys J** 1980;32(1):17–33

Transient conformational states in proteins followed by differential labeling. Ghélis C. **Biophys J** 1980;32(1):503–14

Macromolecular conformation in solution. Study of carbonic anhydrase by the positron annihilation technique. Handel ED, et al. **Biophys J** 1980 Nov;32(2):697–704

Protein interfaces and intersubunit bonding. The case of tomato bushy stunt virus. Harrison SC. **Biophys J** 1980; 32(1):139–53

Amide hydrogen exchange rates of peptides in H2O solution by 1H nuclear magnetic resonance transfer of solvent saturation method. Conformations of oxytocin and lysine vasopressin in aqueous solution. Krishna NR, et al. **Biophys J** 1979 Jun;26(3):345–66

Nanosecond segmental mobilities of tryptophan residues in proteins observed by lifetime-resolved fluorescence anisotropies. Lakowicz JR, et al. **Biophys J** 1980; 32(1):591–601

Strategies for the uses of lanthanide NMR shift probes in the determination of protein structure in solution. Application to the EF calcium binding site of carp parvalbumin. Lee L, et al. **Biophys J** 1980;32(1):193–210

Solvent accessibility, protein surfaces, and protein folding. Lesk AM, et al. **Biophys J** 1980;32(1):35–47

Correlations between internal mobility and stability of globular proteins. Wüthrich K, et al. **Biophys J** 1980; 32(1):549–60

Noninteracting local-structure model of folding and unfolding transition in globular proteins. II. Application to two-dimensional lattice proteins. Abe H, et al. **Biopolymers** 1981 May;20(5):1013–31

Noninteracting local-structure model of folding and unfolding transition in globular proteins. I. Formulation. Go N, et al. **Biopolymers** 1981 May;20(5):991–1011

Local hydrophobicity stabilizes secondary structures in proteins. Kanehisa MI, et al. **Biopolymers** 1980 Sep; 19(9):1617–28

The internal dynamics of globular proteins. Karplus M, et al. **CRC Crit Rev Biochem** 1981;9(4):293–349 (237 ref.)

Reverse turns in peptides and proteins. Smith JA, et al. **CRC Crit Rev Biochem** 1980;8(4):315–99 (412 ref.)

Intramolecularly hydrogen-bonded peptide conformations. Toniolo C. **CRC Crit Rev Biochem** 1980;9(1):1–44 (460 ref.)

Systematic application of two-dimensional 1H nuclear-magnetic-resonance techniques for studies of proteins. 1. Combined use of spin-echo-correlated spectroscopy and J-resolved spectroscopy for the identification of complete spin systems of non-labile protons in amino-acid residues. Nagayama K, et al. **Eur J Biochem** 1981 Feb;114(2):365–74

Systematic application of two-dimensional 1H nuclear-magnetic-resonance techniques for studies of proteins. 2. Combined use of correlated spectroscopy and nuclear Overhauser spectroscopy for sequential assignments of backbone resonances and elucidation of polypeptide secondary structures. Wagner G, et al. **Eur J Biochem** 1981 Feb;114(2):375–84

Temperature-sensitive mutants blocked in the folding or subunit assembly of the bacteriophage P22 tail-spike protein. I. Fine-structure mapping. Smith DH, et al. **Genetics** 1980 Oct;96(2):331–52

Preferred conformation of the tert-butoxycarbonyl-amino group in peptides. Benedetti E, et al. **Int J Pept Protein Res** 1980 Aug;16(2):156–72 (50 ref.)

Ordered conformations of cationic polypeptides in anionic surfactant solutions. Ikeda K, et al. **Int J Pept Protein Res** 1980 Sep;16(3):225–30

Reversals of polypeptide chain in globular proteins. Kolaskar AS, et al. **Int J Pept Protein Res** 1980 Jul;16(1):1–11

Prediction of the surface-interior diagram of globular proteins by an empirical method. Nishikawa K, et al. **Int J Pept Protein Res** 1980 Jul;16(1):19–32

Protein conformation wheels: cytochromes and lysozymes. Srinivasan AR, et al. **Int J Pept Protein Res** 1980 Aug; 16(2):111–23

Synthetic model for two-stranded alpha-helical coiled-coils. Design, synthesis, and characterization of an 86-residue analog of tropomyosin. Hodges RS, et al. **J Biol Chem** 1981 Feb 10;256(3):1214–24

Studies of synthetic peptide analogs of the amphipathic helix. Effect of charged amino acid residue topography on lipid affinity. Kanellis P, et al. **J Biol Chem** 1980 Dec 10; 255(23):11464–72

The stabilization of proteins by sucrose. Lee JC, et al. **J Biol Chem** 1981 Jul 25;256(14):7193–201

Calcium-induced protein folding. Structure-affinity relationships in synthetic analogs of the helix-loop-helix calcium binding unit. Reid RE, et al. **J Biol Chem** 1981 Mar 25;256(6):2742–51

Apparent holes in rotary shadowed proteins: dependence on angle of shadowing and replica thickness. Neugebauer DC, et al. **J Microsc** 1979 Nov;117(2):313–5

Helix to helix packing in proteins. Chothia C, et al. **J Mol Biol** 1981 Jan 5;145(1):215–50

On the prediction of protein structure: The significance of the root-mean-square deviation. Cohen FE, et al. **J Mol Biol** 1980 Apr;138(2):321–33

Packing of alpha-helices onto beta-pleated sheets and the anatomy of alpha/beta proteins. Janin J, et al. **J Mol Biol** 1980 Oct 15;143(1):95–128

Specific recognition in the tertiary structure of beta-sheets of proteins. Lifson S, et al. **J Mol Biol** 1980 Jun 5; 139(4):627–39

Logical analysis of the mechanism of protein folding. V. Packing game simulation of alpha/beta proteins. Nagano K. **J Mol Biol** 1980 Apr 25;138(4):797–832

A systematic approach to the comparison of protein structures. Remington SJ, et al. **J Mol Biol** 1980 Jun 15; 140(1):77–99

Conformational and geometrical properties of beta-sheets in proteins. II. Antiparallel and mixed beta-sheets. Salemme FR, et al. **J Mol Biol** 1981 Feb 15;146(1):119–41

Conformational and geometrical properties of beta-sheets in proteins. I. Parallel beta-sheets. Salemme FR, et al. **J Mol Biol** 1981 Feb 15;146(1):101–17

Conformational and geometrical properties of beta-sheets in proteins. III. Isotropically stressed configurations. Salemme FR. **J Mol Biol** 1981 Feb 15;146(1):143–56

The analysis of globular proteins as defect containing cylindrical crystals. Chandler HD, et al. **J Theor Biol** 1980 May 21;84(2):311–34

Spatial assignment of amino acid residues in globular proteins: an approach from information theory. Prabhakaran M, et al. **J Theor Biol** 1980 Dec 21;87(4):623–37

Influences of solvent water on the transition state affinity of enzymes, protein folding, and the composition of the genetic code. Wolfenden R. **Mol Biol Biochem Biophys** 1980;32:43–61

Location of domains in globular proteins. Rashin AA. **Nature** 1981 May 7;291(5810):85–7

Structural and functional diversity in 4-alpha-helical proteins. Weber PC, et al. **Nature** 1980 Sep 4; 287(5777):82–4

Spurious conformational transitions in proteins? Cooper A. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3551–3

Hydrophobic basis of packing in globular proteins. Rose GD, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4643–7

Fidelity of structure representation in electron micrographs of negatively stained protein molecules. Steven AC, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4721–5

Communication between catalytic subunits in hybrid aspartate transcarbamoylase molecules: effect of ligand binding to active chains on the conformation of unliganded, inactive chains. Yang YR, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5187–91

Relation between structure and function of alpha/beta-proteins. Brändeén CI. **Q Rev Biophys** 1980 Aug;13(3):317–38 (56 ref.)

Similarities of protein topologies: evolutionary divergence, functional convergence or principles of folding? Ptitsyn OB, et al. **Q Rev Biophys** 1980 Aug;13(3):339–86 (127 ref.)

Conformational fluctuation and change in biological macromolecules. Cooper A. **Sci Prog** 1980;66(264):473–97

Female cadaver in the Han Tomb No. 1. X-ray diffraction studies on two kinds of fibrous protein. Wu BM, et al. **Sci Sin** 1980 Jul;23(7):915–22

Thermal stability and protein structure. Argos P, et al. **UCLA Forum Med Sci** 1979;(21):159–69

Some aspects concerning conformation of polypeptide chains

in proteins. Gieren A, et al. **Z Naturforsch [C]** 1980 Sep-Oct;35(9-10):741-6

[Dovetails and butterflies in biochemical systems] Hyver C. **C R Acad Sci [D] (Paris)** 1980 Jun 9;290(21):1353-6 **(Fre)**

[Toward higher-order structures of proteins from their primary sequences (author's transl)] Nagano K, et al. **Tanpakushitsu Kakusan Koso** 1980;25(4):269-301 (138 ref.) **(Jpn)**

[X-ray structure analysis of proteins and its relation to other fields--with special reference to molecular pharmacology (author's transl)] Mitsui Y. **Yakugaku Zasshi** 1980 Jun; 100(6):585-601 (72 ref.) (Eng. Abstr.) **(Jpn)**

[Coil--globule transition in a linear macromolecule] Khalatur PG. **Biofizika** 1980 Jul-Aug;25(4):729-30 (Eng. Abstr.) **(Rus)**

[Relationship between features of the distribution of triplet amino acids in the primary structure of globular proteins and their conformational properties] Poroikov VV, et al. **Biofizika** 1980 Jul-Aug;25(4):730-3 **(Rus)**

[Theory of the Mössbauer effect in proteins] Shaitan KV, et al. **Biofizika** 1980 Sep-Oct;25(5):796-802 (Eng. Abstr.) **(Rus)**

[Determination of the secondary structure of proteins from their circular dichroism spectra. I. Protein reference spectra for alpha-, beta- and irregular structures] Bolotina IA, et al. **Mol Biol (Mosk)** 1980 Jul-Aug;14(4):891-902 (Eng. Abstr.) **(Rus)**

[Determination of the secondary structure of proteins from their circular dichroism spectra. II. Estimation of the contribution of beta-pleated sheets] Bolotina IA, et al. **Mol Biol (Mosk)** 1980 Jul-Aug;14(4):902-9 (Eng. Abstr.) **(Rus)**

[Lattice model for globular protein three-dimensional structure] Dashevskiĭ VG. **Mol Biol (Mosk)** 1980; 14(1):105-17 (Eng. Abstr.) **(Rus)**

[Spin label study of slow molecular rotations of globular proteins using microwave saturation effects in electron paramagnetic resonance] Livshits VA, et al. **Mol Biol (Mosk)** 1980;14(1):182-9 (Eng. Abstr.) **(Rus)**

[Empirical correlations between amino acid sequence and three dimensional structure of proteins] Popov EM. **Mol Biol (Mosk)** 1980;14(1):35-63 (199 ref.) (Eng. Abstr.) **(Rus)**

[Conformational mobility and theory of the Mössbauer effect in biological systems. (Model of a Brownian oscillator strongly damped for conformational modes)] Shaĭtan KV, et al. **Mol Biol (Mosk)** 1980 Nov-Dec;14(6):1323-35 (Eng. Abstr.) **(Rus)**

[Method for calculation of low-energy conformations of alpha-helical pairs of globular proteins] Solov'ev VV, et al. **Mol Biol (Mosk)** 1981 Mar-Apr;15(2):323-35 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Observation of unstained biological macromolecules with the STEM. Ohtsuki M. **Ultramicroscopy** 1980;5(3):317-23

PROTEIN DEFICIENCY

see related
DIETARY PROTEINS

BLOOD

The effect of protein deprivation on erythroid stem cell growth. Pololi-Anagnostou L, et al. **Int J Vitam Nutr Res** 1981;51(1):59-63

Effects of long-term protein deficiency on plasma lipoprotein concentrations and metabolism in rhesus monkeys. Portman OW, et al. **J Nutr** 1981 Apr;111(4):733-45

COMPLICATIONS

The effect of iron deficiency, protein deficiency and dexamethasone on infection, re-infection and treatment of Giardia muris in the mouse. Duncombe VM, et al. **Aust J Exp Biol Med Sci** 1980 Feb;58(1):19-26

Visual discrimination in rats: the effects of rehabilitation following intergenerational malnutrition. Galler JR. **Dev Psychobiol** 1981 May;14(3):229-36

Changes in the food intake and body weight of protein-malnourished rats infected with Nippostrongylus brasiliensis (Nematoda). Crompton DW, et al. **Parasitology** 1981 Feb;82(1):23-38

Acetylcholinesterase activity in Nippostrongylus brasiliensis during the course of a primary infection in normal and in protein-deficient rats. Martin J. **Parasitology** 1981 Aug; 83(Pt 1):43-50

The influence of a protein-methionine low diet on behavior of the rat offspring. Dłużniewski A, et al. **Pol J Pharmacol Pharm** 1980 Jul-Aug;32(4):567-75

The role of protein deficiency in the aetiology of kwashiorkor. Landman J, et al. **West Indian Med J** 1980 Dec;29(4):229-38

The role of protein deficiency in the aetiology of kwashiorkor. Landman J, et al. **West Indian Med J** 1980 Dec;29(4):229-38

DIAGNOSIS

[Methods for the assessment of protein malnutrition in the population (author's transl)] Cerná O, et al. **Cesk Gastroenterol Vyz** 1980 Jul;34(5):317-23 (Eng. Abstr.) **(Slo)**

DIET THERAPY

Maternal behavior following rehabilitation of rats with intergenerational malnutrition. 2. Contribution of mothers and pups to deficits in lactation-related behaviors. Galler JR, et al. **J Nutr** 1981 Aug;111(8):1337-42

Maternal behavior following rehabilitation of rats with intergenerational malnutrition. 1. Persistent changes in lactation-related behaviors. Galler JR, et al. **J Nutr** 1981 Aug;111(8):1330-6

Arginine requirement of mature protein-malnourished rats for maximal rate of repletion. Kari FW, et al. **J Nutr** 1981 Aug;111(8):1489-93

ENZYMOLOGY

Adrenalectomy: its effects on systemic tryptophan metabolism in normal and protein malnourished rats. Miller M, et al. **Brain Res Bull** 1980 Jul-Aug;5(4):451-9

Adaptive changes in uterine distribution of lactate dehydrogenase isoenzymes during protein malnutrition and steroid maintained pregnancy in rats. Singh RK, et al. **Horm Metab Res** 1980 Dec;12(12):697-701

Effect of undernutrition on tryptophan and tyrosine hydroxylases in the developing rat brain. Kalyanasundaram S, et al. **J Neurochem** 1981 Apr;36(4):1580-2

Time-course of changes of liver tryptophan pyrrolase (tryptophan oxygenase) and liver and kidney glucose-6-phosphatase in rats shifted from high- to zero-protein diets. Nath N. **J Nutr Sci Vitaminol (Tokyo)** 1980;26(3):261-9

Lacrimal lysozyme alterations in experimental protein deficiency. Ratnakar KS, et al. **Ophthalmologica** 1980; 181(6):320-5

[Aspartate and alanine aminotransferase activity in the liver and blood serum of protein-deficient rats receiving parenteral nitrogen nutrition] Magarlamov AG. **Ukr Biokhim Zh** 1980 Nov-Dec;52(6):720-6 (Eng. Abstr.) **(Rus)**

[Asparaginase and adenosine deaminase activities in rat liver under different conditions of protein and protein-free diet] Magarlamov AG. **Ukr Biokhim Zh** 1980 Jul-Aug; 52(4):446-52 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Acute pulmonary edema as a rare complication of protein deficiency after proctocolectomy for ulcerative colitis] Wirsching R, et al. **Chirurg** 1980 Oct;51(10):661-3 **(Ger)**

IMMUNOLOGY

Malnutrition and immunity. III. Effect of malnutrition on the number of rosettes that form splenic lymphocytes in rats. García-Tamayo F, et al. **Arch Invest Med (Mex)** 1981; 12(2):225-31 **(Eng, Spa)**

Immune components of the intestinal mucosae of ageing and protein deficient mice. Lim TS, et al. **Immunology** 1981 Jul;43(3):401-7

Enhancement of the in vitro antibody response in dietary protein restriction. Failure in the regulation of antibody synthesis. Pocino M, et al. **Immunology** 1981 Jun; 43(2):235-40

Protein deprivation causes reversible impairment of mucosal immune response to cholera toxoid/toxin in rat gut. Barry WS, et al. **Nature** 1979 Sep 6;281(5726):64-5

METABOLISM

Effects of protein deficiency on plasma levels of 25-hydroxyvitamin and 24,25-dihydroxyvitamin D in the rat. Philbrick DJ, et al. **Am J Clin Nutr** 1980 Oct; 33(10):2174-6

Increased transcription and decreased degradation control and recovery of liver ribosomes after a period of protein starvation. Conde RD, et al. **Biochem J** 1980 Dec 15; 192(3):935-40

Effects of neonatal protein undernutrition on rat brain phosphoinositides. Sharma M, et al. **Indian J Biochem Biophys** 1980 Jun;17(3):246-7

The pharmacokinetic profile of chloramphenicol in protein-malnourished rats. Kohli K, et al. **Indian J Med Res** 1981 Feb;73:208-17

Anti-inflammatory and ulcerogenic effects and pharmacokinetics of oxyphenbutazone in protein deficient rats. Varma DR. **Indian J Med Res** 1980 Sep;72:426-33

Effect of protein deprivation and subsequent rehabilitation on the intestinal transport of L-methionine in vivo. Kansal VK, et al. **Indian J Physiol Pharmacol** 1980 Oct-Dec; 24(4):267-77

Insulin secretion and carbohydrate metabolism in experimental protein malnutrition. Khardori R, et al. **J Endocrinol Invest** 1980 Jul-Sep;3(3):273-8

Intestinal neurohormones in protein-deficient rats. Rossi MA, et al. **J Neural Transm** 1980;49(1-2):117-25

Factors determining the preservation of protein status during dietary protein deprivation. Moldawer LL, et al. **J Nutr** 1981 Jul;111(7):1287-96

Early protein deficiency: effects on later growth and carcass composition of lean or obese swine. Pond WG, et al. **J Nutr** 1980 Dec;110(12):2506-13

Studies on estrogen receptors in rat uterus during protein malnutrition and steroid-maintained pregnancy. Singh RK, et al. **J Nutr** 1980 Sep;110(9):1745-53

Effects of protein deficiency on muscle myofibrillar protein turnover in adult rats. Rikimaru T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1980;26(1):39-57

Effects of low dietary protein and dietary aflatoxin on hepatic glutathione levels in F-344 rats. Mainigi KD, et al. **Toxicol Appl Pharmacol** 1981 Jun 30;59(2):196-203

[Amino acid assimilability in human dietary protein deficiency] Ushakov AS, et al. **Vopr Pitan** 1981 May-Jun; (3):22-7 (Eng. Abstr.) **(Rus)**

PATHOLOGY

The early internal vascularization of the rat brain. Morphological studies on foetuses of normal and protein-deprived mothers. Conradi NG, et al. **Acta Neuropathol (Berl)** 1980;50(3):221-6

Nerve fibre degeneration of the central and peripheral nervous systems in severe protein deprivation in rats. Oldfors A. **Acta Neuropathol (Berl)** 1981 Jun;54(2):121-7

Histology of mandibular bone from normal, protein deficient and calorie deficient pigs. Luke DA, et al. **J Anat** 1980 Jun;130(4):859-65

Effect of protein malnutrition on development of mouse cortical barrels. Vongdokmai R. **J Comp Neurol** 1980 May 15;191(2):283-94

Effect of 60 Co-irradiation on normal and low protein diet fed rat brain. Hasan SS, et al. **Strahlentherapie** 1980 Jun; 156(6):441-5

PHYSIOPATHOLOGY

Motor nerve conduction velocity and nerve fibre diameter in experimental protein deprivation. Studies on rat peripheral nerve during development. Oldfors A, et al. **Acta Neuropathol (Berl)** 1980;51(3):215-21

Impaired gastric function in experimental malnutrition. Thomason H, et al. **Am J Clin Nutr** 1981 Jul;34(7):1278-80

Regulation of placental growth and chorionic somatomammotropin in the rhesus monkey: effects of protein deprivation, fetal anencephaly, and placental vessel ligation. Novy MJ, et al. **Am J Obstet Gynecol** 1981 Jul 1;140(5):552-62

The effects of race, sex, and nutrition on craniofacial differeniation in rats. A multivariate analysis. Pucciarelli HM. **Am J Phys Anthropol** 1980 Sep;53(3):359-68

Myocardial effects and pharmacokinetics of digoxin and ouabain in protein-deficient guinea pigs. Varma DR. **Can J Physiol Pharmacol** 1980 May;58(5):564-7

Cytochemical data on DNA and protein nuclear content during the prenatal cerebellar histogenesis in the rat. Effects of maternal protein malnutrition. Bernocchi G, et al. **Cell Mol Biol** 1980;26(4):405-13

A study of small intestinal functions, histology and histochemistry in malnutrition. Souidan MZ, et al. **J Egypt Med Assoc** 1979;62(1-2):77-98

Effects of ad libitum, maintenance and sub-maintenance feeding and of compensatory growth on some biochemical properties of muscle from weanling rabbits. Asghar A, et al. **J Nutr** 1981 Aug;111(8):1343-52

Effect of prolonged experimental protein malnutrition and of refeeding on growth, adipose tissue development and body composition in rats. Tulp OL, et al. **J Nutr** 1981 Jul; 111(7):1145-56

Influence of protein deficiency of lysosome stabilizing and paw edema suppressant activity of steroidal and nonsteroidal anti-inflammatory agents in rats. Yue TL, et al. **J Pharmacol Exp Ther** 1981 Jun;217(3):776-83

Nutritional oedema, albumin, and vanadate [editorial] **Lancet** 1981 Mar 21;1(8221):646-7

Endocrine adaptation to malnutrition. Brasel JA. **Pediatr Res** 1980 Dec;14(12):1299-303

Bronchomotor tone in protein-energy malnutrition. Ismail S, et al. **Respiration** 1980;40(3):123-7

[Values of a number of blood parameters and body growth of rats subjected to fetal and post-natal protein malnutrition] Greco AM, et al. **Arch Sci Med (Torino)** 1980 Oct-Dec;137(4):621-5 (Eng. Abstr.) **(Ita)**

[Assay of brain and liver DNA, determination of body growth and of some blood parameters in rats subjected to protein malnutrition during fetal and post-natal development] Greco AM, et al. **Boll Soc Ital Biol Sper** 1980 Dec 30;56(24):2598-604 (Eng. Abstr.) **(Ita)**

PSYCHOLOGY

Interactive effects of nutrition and cannabis upon rat perinatal development. Charlebois AT, et al. **Dev Psychobiol** 1980 Nov;13(6):591-605

Home-orienting behavior in rat pups surviving postnatal or intergenerational malnutrition. Galler JR. **Dev Psychobiol** 1980 Nov;13(6):563-72

Physiological and behavioral consequences of maternal and post-weaning protein restriction. Gallo PV. **Physiol Behav** 1981 Jan;26(1):77-84

THERAPY

Protein and fat metabolism in rats during repletion with total parenteral nutrition (TPN). Stein TP, et al. **J Nutr** 1981 Jan;111(1):154-65

URINE

Urinary excretion of collagen metabolites in protein malnutrition. Sambasiva Rao J, et al. **J Clin Chem Clin Biochem** 1980 May;18(5):287–91

VETERINARY

Cyanide, protein and iodine interactions in the performance, metabolism and pathology of pigs. Tewe OO, et al. **Res Vet Sci** 1980 Nov;29(3):271–6

PROTEIN DENATURATION

A possible role of cytoplasmic thioltransferase in the intracellular degradation of disulfide-containing proteins. Axelsson K, et al. **Acta Chem Scand [B]** 1980;34(2):139–40

A near-infrared method for studying hydration changes in aqueous solution: illustration with protease reactions and protein denaturation. Vandermeulen DL, et al. **Arch Biochem Biophys** 1980 Nov;205(1):180–90

Modified acetonitrile protein-precipitation method of sample preparation for drug assay by liquid chrometography [letter] Mathies JC, et al. **Clin Chem** 1980 Nov;26(12):1760

Relationship between hyperthermic cell killing and protein denaturation by alcohols. Massicotte-Nolan P, et al. **Radiat Res** 1981 Aug;87(2):284–99

DRUG EFFECTS

[Interaction of phenothiazinic anti-inflammatory agent, protizinic acid, with the biopolymers: Inhibitory effects on functions of platelets (author's transl)] Fujimura H, et al. **Nippon Yakurigaku Zasshi** 1981 Jan;77(1):27–39 (Eng. Abstr.) **(Jpn)**

PROTEIN DISULFIDE REDUCTASE (GLUTATHIONE) see under **OXIDOREDUCTASES**

PROTEIN HYBRIDIZATION

Nuclear magnetic resonance study of a hybrid of bovine and rat ribonuclease. Beintema JJ, et al. **Int J Pept Protein Res** 1980 May;15(5):455–8

Solubilization of hemoglobin S by other hemoglobins. Benesch RE, et al. **Proc Natl Acad Sci USA** 1980 Sep; 77(9):5130–4

PROTEIN HYDROLYSATES

ADMINISTRATION & DOSAGE

[Comparative evaluation of the anabolic effectiveness of casein hydrolysates] Glants RM, et al. **Sov Med** 1980; (10):12–6 (Eng. Abstr.) **(Rus)**

ANALYSIS

Elemental content of predigested liquid protein products. Jones AO, et al. **Am J Clin Nutr** 1980 Dec;33(12):2545–50

New chlorine-containing organic compounds in protein hydrolysates. Velíšek J, et al. **J Agric Food Chem** 1980 Nov-Dec;28(6):1142–4

[A simple method for detecting phosphoserine and phosphothreonine in proteins (author's transl)] Sanecka-Obacz M, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 1979;34:47–52 **(Pol)**

METABOLISM

Comparison of the absorption of two protein hydrolysates and their effects on water and electrolyte movements in the human jejunum. Fairclough PD, et al. **Gut** 1980 Oct; 21(10):829–34

Use of a peptide rather than free amino acid nitrogen source in chemically defined 'elemental' diets. Silk DB, et al. **JPEN** 1980 Nov-Dec;4(6):548–53

[Use of enzymatic hydrolysates of microorganism biomass in media for culturing Str. lactis, the producer of nisin] Baranova IP, et al. **Antibiotiki** 1980 Oct;25(10):735–8 (Eng. Abstr.) **(Rus)**

[Light and electron microscopic data on the characteristics of the utiliztion of amikin and aminozol, preparations for parenteral feeding] Gribovod AF, et al. **Vopr Pitan** 1980 Nov-Dec;(6):30–5 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Effect of a protein hydrolysate on enzymatic activity in the aorta wall in experimental atherosclerosis] Shtereva M, et al. **Eksp Med Morfol** 1980;19(4):216–20 (Eng. Abstr.) **(Bul)**

[Effect of nitrogens parenteral nutrition on the amino acid spectrum of the blood and liver in thyroxine poisoning] Glants RM, et al. **Biull Eksp Biol Med** 1981 Mar; 91(3):283–5 (Eng. Abstr.) **(Rus)**

PROTEIN KINASES

A cAMP-binding protein from Dictyostelium discoideum regulates mammalian protein kinase. Leichtling BH, et al. **Biochem Biophys Res Commun** 1981 May 29;100(2):515–22

Magnetic resonance measurements of intersubstrate distances at the active site of protein kinase using substitution-inert cobalt(III) and chromium(III) complexes of adenosine 5'-(beta, gamma-methylenetriphosphate). Granot J, et al. **Biochemistry** 1980 Jul 22;19(15):3537–43

Structural and functional domains of the Rous sarcoma virus transforming protein (pp60src). Levinson AD, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1624–8

Complete amino acid sequence of the catalytic subunit of bovine cardiac muscle cyclic AMP-dependent protein kinase. Shoji S, et al. **Proc Natl Acad Sci USA** 1981 Feb; 78(2):848–51

ANALYSIS

Activation and partial characterization of a human reticulocyte heme-dependent eIF-Z alpha kinase. Franco RS, et al. **Am J Hematol** 1981;11(1):9–18

Rapid and reliable identification of 'casein kinases TS' in many tissues by means of a new specific and very suitable model substrate. Meggio F, et al. **Anal Biochem** 1981 Feb; 111(1):158–62

Localization of phosphoproteins and of protein kinases in chromatin from butyrate treated HTC cells. Kitzis A, et al. **Biochem Biophys Res Commun** 1980 Nov 28;97(2):530–7

Distribution and localization of adenosine 3':5'-monophosphate-dependent protein kinase in mammalian artery. Singh D. **Blood Vessels** 1980; 17(6):312–23

Localization of phosphoproteins and of protein kinases in chromatin from hepatoma tissue-cultured cells. Kitzis A, et al. **Eur J Biochem** 1980 Oct;111(1):237–44

Adenosine 3',5'-monophosphate-receptor protein and protein kinase in Coprinus macrorhizus. Uno I, et al. **J Biochem (Tokyo)** 1981 Apr;89(4):1275–81

Identification of two subclasses of type II cAMP-dependent protein kinases. Neural-specific and non-neural protein kinases. Erlichman J, et al. **J Biol Chem** 1980 Sep 10; 255(17):8179–84

Immunofluorescent localization of cyclic GMP, calmodulin and cyclic GMP-dependent protein kinase in the choroid plexus. Cumming R, et al. **Neurosci Lett** 1981 Mar 10; 22(2):119–24

Immunohistochemical localization of cyclic GMP-dependent protein kinase in mammalian brain. Lohmann SM, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):653–7

Adhesion plaques of Rous sarcoma virus-transformed cells contain the src gene product. Rohrschneider LR. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3514–8

Localization of cyclic GMP-dependent protein kinase and substrate in mammalian cerebellum. Schlichter DJ, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5537–41

Activity of cyclic AMP-dependent protein kinase in heart and aorta of spontaneously hypertensive rat. Coquil JF, et al. **Proc Soc Exp Biol Med** 1980 Sep;164(4):569–75

[Comparison of biochemical parameters (hormone receptors, protein kinase) and thermographic results in cancers of the breast] Stucki D, et al. **Gynakol Rundsch** 1981;21 Suppl 1:112–6 (Eng. Abstr.) **(Fre)**

[Cyclic-AMP-dependent protein kinase activity in the soluble thyrotropin receptor complex (author's transl)] Hashizume K. **Horumon To Rinsho** 1981 Jan;29(1):37–41 **(Jpn)**

[Characterization of cAMP-dependent protein kinases by photoaffinity labeling (author's transl)] Imashuku S, et al. **Horumon To Rinsho** 1981 Feb;29(2):169–72 **(Jpn)**

[Analysis of beta-effect on aqueous humor dynamics--distribution and characterization of adenosine 3',5'-monophosphate-dependent protein kinase in anterior segment of bovine eye (author's transl)] Inoue M. **Nippon Ganka Gakkai Zasshi** 1980 Oct 10;84(10):1427–35 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

A one-step procedure for the determination of protein kinase activities and a protein kinase inhibitor in nuclear extract. Farron-Furstenthal F. **Anal Biochem** 1980 Nov 15; 109(1):203–6

Inhibition of the glycogen phosphorylase system during ochratoxicosis in chickens. Warren MF, et al. **Appl Environ Microbiol** 1980 Sep;40(3):523–5

Characterization of multiple charge isomers of the inhibitor protein of the cyclic AMP-dependent protein kinase from bovine heart and rabbit skeletal muscle. Whitehouse S, et al. **Arch Biochem Biophys** 1980 Sep;203(2):734–43

Modulation of the activity of endogenous protein kinase inhibitors in rat heart by the beta adrenergic receptor. Szmigielski A. **Arch Int Pharmacodyn Ther** 1981 Jan; 249(1):64–71

Suppression of cyclic AMP-dependent protein kinase activity in murine melanoma cells by 12-0-tetradecanoylphorbol-13-acetate. Ludwig KW, et al. **Biochem Biophys Res Commun** 1980 Jul 16;95(1):296–303

Identification of a specific endogenous inhibitor of a casein kinase (G type) in bovine adrenal cortex as a glycosaminoglycan mixture. Pirollet F, et al. **Biochem Biophys Res Commun** 1981 May 29;100(2):613–20

Phospholipid-sensitive calcium-dependent protein kinase: inhibition by antipsychotic drugs. Schatzman RC, et al. **Biochem Biophys Res Commun** 1981 Feb 12;98(3):669–76

Inhibition of double-stranded ribonucleic acid activated protein kinase and 2',5'-oligo(adenylic acid) polymerase by ethidium bromide. Baglioni C, et al. **Biochemistry** 1981 Feb 17;20(4):758–62

Protein inhibitor of cAMP-dependent protein kinase: production and characterization of antibodies and intracellular localization. Tash JS, et al. **Cell** 1980 Aug; 21(1):57–65

F-actin inhibits protein kinase activity associated with the src-gene product. Tsen SD, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):967–74

Regulation of protein kinase inhibitor by follicle-stimulating hormone in Sertoli cells in vitro. Tash JS, et al. **Endocrinology** 1981 Feb;108(2):427–34

Rat liver cytosol contains an inhibitor of the casein kinases 1 and 2 from the same source. Bertomeu JF, et al. **FEBS Lett** 1981 Feb 23;124(2):261–4

Selective inhibition of a cyclic nucleotide-independent protein kinase (G-type casein kinase) by naturally occurring glycosaminoglycans. Feige JJ, et al. **FEBS Lett** 1980 Nov 17;121(1):139–42

Inhibition of human erythrocyte casein kinase by methylxanthines. Study of inhibition mechanism. Lecomte MC, et al. **FEBS Lett** 1980 Jul 11;116(1):45–7

Inhibition of casein kinase II by heparin. Hathaway GM, et al. **J Biol Chem** 1980 Sep 10;255(17):8038–41

Cl-transport in gastric micorsomes. An ATP-dependent influx sensitive to membrane potential and to protein kinase inhibitor. Soumarmon A, et al. **J Biol Chem** 1980 Dec 25; 255(24):11682–7

The relationship between somatostatin binding and cyclic AMP-stimulated protein kinase inhibition. Leitner JW, et al. **Metabolism** 1980 Oct;29(11):1065–74

Effect of suramin on phosphorylation-dephosphorylation reactions in Trypanosoma gambiense. Walter RD. **Mol Biochem Parasitol** 1980 Jun;1(3):139–42

The pure inhibitor of cAMP-dependent protein kinase initiates Xenopus laevis meiotic maturation. A 4-step scheme for meiotic maturation. Huchon D, et al. **Mol Cell Endocrinol** 1981 May;22(2):211–22

Indomethacin and inhibition of protein kinase reactions. Goueli SA, et al. **Nature** 1980 Sep 11;287(5778):171–2

BIOSYNTHESIS

The purified product of the transforming gene of avian sarcoma virus phosphorylates tyrosine. Levinson AD, et al. **J Biol Chem** 1980 Dec 25;255(24):11973–80

Interferon-mediated protein kinase in mouse cells treated with iododeoxyuridine (IdUrd) and induced to express endogenous retroviruses. Hovanessian AG, et al. **J Gen Virol** 1981 Jan;52(Pt 1):199–204

Enzymatic activities induced by interferon in human fibroblast cell lines differing in their sensitivity to the anticellular activity of interferon. Vandenbussche P, et al. **Virology** 1981 May;111(1):11–22

BLOOD

Phospholipid turnover as a possible transmembrane signal for protein phosphorylation during human platelet activation by thrombin. Kawahara Y, et al. **Biochem Biophys Res Commun** 1980 Nov 17;97(1):309–17

Regulation of protein synthesis in rabbit reticulocyte lysates: purification and initial characterization of the double stranded RNA activated protein kinase. Ranu RS. **Biochem Biophys Res Commun** 1980 Nov 17;97(1):252–62

Protein kinase activity associated with the plasma membrane of rabbit polymorphonuclear leucocytes. Emes CH, et al. **Biochem Soc Trans** 1981 Feb;9(1):125–6

Interrelationships between protein kinases and spectrin phosphorylation in human erythrocytes. Clari G, et al. **Biochim Biophys Acta** 1981 Jan 8;640(1):240–51

Protein kinase activity of human erythrocyte membranes in Friedreich's ataxia. Wong P, et al. **Can J Neurol Sci** 1980 Nov;7(4):425–7

Phosphorylation of human erythrocyte pyruvate kinase by soluble cyclic-AMP-dependent protein kinases. Comparison with human liver L-type enzyme. Marie J, et al. **Eur J Biochem** 1980;108(1):251–60

Membrane protein phosphorylation and protein kinases in normal and hereditary spherocytosis red cells. Yawata Y, et al. **Hemoglobin** 1980;4(5–6):717–34

Casein kinase from human erythrocyte membrane, purification characterization and comparison with the cytosolic enzyme. Boivin P, et al. **Int J Biochem** 1980; 12(3):445–9

Possible involvement of Ca2+-activated, phospholipid-dependent protein kinase in platelet activation. Kawahara Y, et al. **J Biochem (Tokyo)** 1980 Sep; 88(3):913–6

Purification and characterization of a catalytic subunit of an adenosine 3':5'-monophosphate-dependent protein kinase from human erythrocyte membranes. Suzuki K, et al. **J Biochem (Tokyo)** 1981 Jan;89(1):1–11

Hormonal control of protein phosphorylation in turkey erythrocytes. Phosphorylation by cAMP-dependent and Ca2+-dependent protein kinases of distinct sites in goblin, a high molecular weight protein of the plasma membrane. Alper SL, et al. **J Biol Chem** 1980 Nov 25;255(22):11029–39

Characterization of purified double-stranded RNA-activated eIF-2 alpha kinase from rabbit reticulocytes. Levin DH, et al. **J Biol Chem** 1981 Jul 25;256(14):7638–41

Low-temperature induction of calcium-dependent protein phosphorylation in blood platelets. Bennett WF, et al. **J Cell Biol** 1980 Jul;86(1):280–5

Regulation of human platelet myosin light chain kinase by the catalytic subunit of cyclic AMP-dependent protein

kinase. Hathaway DR, et al. **Nature** 1981 May 21; 291(5812):252–6

Ca2+–calmodulin–dependent phosphorylation and platelet secretion. Nishikawa M, et al. **Nature** 1980 Oct 30; 287(5785):863–5

DEFICIENCY

Apparent phosphorylation of glycogen synthase in mammalian cells lacking cyclic AMP–dependent protein kinase. Kaslow HR. **FEBS Lett** 1980 Aug 11;117(1):219–23

Characterization of cyclic AMP–resistant Chinese hamster ovary cell mutants lacking type I protein kinase. Singh TJ, et al. **J Biol Chem** 1981 Jan 25;256(2):926–32

GENETICS

Effect of tumor promoters on sarc gene expression in normal and transformed chick embryo fibroblasts. Pietropaolo C, et al. **Cancer Res** 1981 Apr;41(4):1565–71

Genetic approaches to cyclic AMP effects in cultured mammalian cells. Gottesman MM. **Cell** 1980 Nov;22(2 Pt 2):329–30

Loss of tumorigenicity correlates with a reduction in pp60src kinase activity in a revertant subclone of avian sarcoma virus–infected field vole cells. Lau AF, et al. **Cell** 1981 Mar;23(3):815–23

A strain of Fujinami sarcoma virus which is temperature–sensitive in protein phosphorylation and cellular transformation. Pawson T, et al. **Cell** 1980 Dec; 22(3):767–75

Protein phosphorylation mediated by partially purified avian sarcoma virus transforming–gene product. Erikson RI, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):907–17

Transformation–defective, temperature–sensitive mutants of Rous sarcoma virus have a reversibly defective src–gene product. Friis RR, et al.
Cold Spring Harbor Symp Quant Biol 1980;44(Pt 2):1007–12

In vitro synthesis and processing of Rous sarcoma virus src–gene products. Kamine J, et al.
Cold Spring Harbor Symp Quant Biol 1980;44(Pt 2):943–8

Activities of the src–gene product of avian sarcoma virus. Maness PF, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):949–58

Nature and intracellular location of the product of the src gene of avian sarcoma virus. Pastan I, et al.
Cold Spring Harbor Symp Quant Biol 1980;44(Pt 2):1023–9

A trans–acting protein kinase identified in cells transformed by Abelson murine leukemia virus. Witte ON, et al.
Cold Spring Harbor Symp Quant Biol 1980;44(Pt 2):855–7

Factors affecting phenotypic reversion of rat cells transformed by avian sarcoma virus. Wyke JA, et al.
Cold Spring Harbor Symp Quant Biol 1980;44(Pt 2):1065–75

Biological properties of 'partial' transformation mutants of Rous sarcoma virus and characterization of their pp60src kinase. Anderson DD, et al. **J Virol** 1981 Jan;37(1):445–58

Mutants of Fujinami sarcoma virus which are temperature sensitive for cellular transformation and protein kinase activity. Hanafusa T, et al. **J Virol** 1981 Apr;38(1):347–55

Nucleotide sequence of an avian sarcoma virus oncogene (src) and proposed amino acid sequence for gene product. Czernilofsky AP, et al. **Nature** 1980 Sep 18; 287(5779):198–203

Characterization of Y73, an avian sarcoma virus: a unique transforming gene and its product, a phosphopolyprotein with protein kinase activity. Kawai S, et al.
Proc Natl Acad Sci USA 1980 Oct;77(10):6199–203

A transformation–defective mutant of Abelson murine leukemia virus lacks protein kinase activity. Witte ON, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4993–7

Towards a molecular description of cell transformation by avian sarcoma virus. Erikson RL, et al.
Proc R Soc Lond [Biol] 1980 Nov 19;210(1180):387–96

Esh avian sarcoma virus codes for a gag–linked transformation–specific protein with an associated protein kinase activity. Ghysdael J, et al. **Virology** 1981 Jun; 111(2):386–400

The structure and protein kinase activity of proteins encoded by nonconditional mutants and back mutants in the sec gene of avian sarcoma virus. Oppermann H, et al.
Virology 1981 Jan 15;108(1):47–70

IMMUNOLOGY

Protein kinase activity immunoprecipitated from adenovirus infected cells by sera from tumor–bearing hamsters. Branton PE, et al. **J Virol** 1981 Feb;37(2):601–8

Immunoprecipitation of protein kinase activity from adenovirus 5–infected cells using antiserum directed against tumour antigens. Lassam NJ, et al. **Nature** 1979 Jan 18; 277(5693):241–3

The transformation–specific proteins of avian (Fujinami and PRC–II) and feline (Synder––Theilen and Gardner––Arnstein) sarcoma viruses are immunologically related. Barbacid M, et al. **Virology** 1981 Apr 30; 110(2):411–9

ISOLATION & PURIFICATION

Partial purification and characterization of a novel bovine adrenocortical protein kinase that phosphorylates endogenous 120,000 dalton peptide. Kuroda Y, et al.
Biochem Biophys Res Commun 1980 Sep 30;96(2):601–10

The purification and properties of a protein kinase and the partial purification of a phosphoprotein phosphatase that inactivate and activate acetyl–CoA carboxylase. Shiao MS, et al. **Biochem Biophys Res Commun** 1981 Jan 15;98(1):80–7

Isolation and some properties of troponin T kinase from rabbit skeletal muscle. Gusev NB, et al. **Biochem J** 1980 Aug 1;189(2):219–26

Further purification and characterization of casein kinases from human erythrocyte hemolysate. Effect of Triton X–100. Clari G, et al. **Biochim Biophys Acta** 1981 Jun 15; 659(2):370–7

Cyclic nucleotide independent casein kinase (G type) in bovine adrenal cortex: purification and properties of two molecular forms. Cochet C, et al.
Biochim Biophys Acta 1981 Apr 14;658(2):191–201

Purification and characterization of two cyclic AMP–independent casein/glycogen synthase kinases from rat liver cytosol. Itarte E, et al. **Biochim Biophys Acta** 1981 Apr 14;658(2):334–47

Cyclic adenosine 3',5'–monophosphate–dependent regulation of purified bovine aortic calcium/calmodulin–dependent myosin light chain kinase. Vallet B, et al.
Biochim Biophys Acta 1981 May 5;674(2):256–64

Double–stranded RNA dependent protein kinase (s) in rabbit reticulocyte lysates analogous to kinase from interferon–treated cells. Hovanessian AG. **Biochimie** 1980; 62(11–12):775–8

Protein phosphorylation mediated by partially purified avian sarcoma virus transforming–gene product. Erikson RI, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):907–17

Isolation and characterization of two adenosine 3',5'–monophosphate–dependent protein kinases from bovine adrenal cortex. Ebert RF, et al. **Endocrinology** 1981 Jul;109(1):197–204

Phosphorylating–dephosphorylating enzymes of avian oviductal secretions. Lee K, et al. **Enzyme** 1980; 25(4):265–72

Partial purification and differential androgen sensitivity of protein phosphokinases from nuclei of rat ventral prostate. Goueli SA, et al. **Eur J Biochem** 1980 Dec;113(1):45–51

Separation of modulator–dependent protein kinase (type I) from cyclic GMP–dependent protein kinase in mouse testes. Kuo WN, et al. **Experientia** 1980 Aug 15;36(8):906–8

Separation between modulator–dependent protein kinases I and II. Kuo WN. **Experientia** 1981 Mar 15;37(3):235–7

Purification and quarternary structure of a cyclic nucleotide–independent protein kinase (NII) from porcine liver nuclei. Baydoun H, et al. **FEBS Lett** 1980 Dec 29; 122(2):231–3

The isolation and characterisation of a dimeric cyclic AMP–dependent protein kinase and of the corresponding R–subunit. Vogel M, et al. **FEBS Lett** 1980 Dec 29; 122(2):223–6

Purification and characterization of smooth muscle myosin light chain kinase. Adelstein RS, et al. **J Biol Chem** 1981 Jul 25;256(14):7501–9

Purification and properties of calf thymus casein kinases I and II. Dahmus ME. **J Biol Chem** 1981 Apr 10; 256(7):3319–25

Biochemical characterization of pp60src–associated protein kinase from avian sarcoma virus Schmidt–Ruppin strain. Donner P, et al. **J Biol Chem** 1981 Aug 25;256(16):8786–94

Interaction of calmodulin with myosin light chain kinase and cAMP–dependent protein kinase in bovine brain. Hathaway DR, et al. **J Biol Chem** 1981 Aug 10; 256(15):8183–9

Purification and properties of dog cardiac troponin T kinase. Villar–Palasi C, et al. **J Biol Chem** 1981 Jul 25; 256(14):7409–15

Isolation of a protein kinase induced by herpes simplex virus type 1. Blue WT, et al. **J Virol** 1981 Apr;38(1):383–8

Studies on Ca2+–activated, phospholipid–dependent protein kinase; isolation and characterization of a catalytically active fragment. Kishimoto A. **Kobe J Med Sci** 1980 Sep; 26(3):183–206

Association of the src–gene product of Rous sarcoma virus with a pyruvate–kinase inactivation factor. Glossmann H, et al. **Mol Cell Endocrinol** 1981 Jul;23(1):49–63

Isolation of active cAMP dependent protein kinases from calf ovaries: gel electrophoresis vs. gel electrofocusing. Salokangas A, et al. **Prep Biochem** 1981;11(3):299–320

Purification and properties of the double–stranded RNA–activated eukaryotic initiation factor 3 kinase from rabbit reticulocytes. Grosfeld H, et al.
Proc Natl Acad Sci USA 1980 Nov;77(11):6526–30

Purification of myosin light chain kinase from bovine cardiac muscle. Wolf H, et al. **Proc Natl Acad Sci USA** 1980 Oct; 77(10):5852–5

Isolation of an avian sarcoma virus–specific protein kinase from virus particles. Owada MK, et al. **Virology** 1981 Apr 30;110(2):333–43

[Chromatin cAMP–independent protein kinase and its specific phosphate acceptor (author's transl)] Ohtsuki K, et al. **Seikagaku** 1980 Oct;52(10):1050–4 **(Jpn)**

METABOLISM

Effect of 3–methylcholanthrene on RNA polymerase and protein kinase activities and on the nuclear ultrastructure of rat liver. Tigyi A, et al. **Acta Biol Acad Sci Hung** 1980; 31(1–3):329–39

Diabetes alters the myocardial cAMP–protein kinase cascade system. Ingebretsen WR Jr, et al. **Am J Physiol** 1981 Mar; 240(3):H375–82

Relaxing effect of pharmacologic interventions increasing cAMP in rat heart. Vittone L, et al. **Am J Physiol** 1981 Apr;240(4):H441–7

Assay of adenosine 3', 5' cyclic monophosphate by stimulation of protein kinase: a method not involving radioactivity. Handa AK, et al. **Anal Biochem** 1980 Mar 1;102(2):332–9

Regulation of myosin light chain kinase by reversible phosphorylation and calcium–calmodulin. Adelstein RS, et al. **Ann NY Acad Sci** 1980;356:142–50

Interferon–induced enzymes: activation and role in te antiviral state. Baglioni C, et al. **Ann NY Acad Sci** 1980; 350:497–509

Protein kinase activity and the natural occurrence of 2–5A in interferon–treated EMC virus–infected L–cells. Golgher RR, et al. **Ann NY Acad Sci** 1980;350:448–58

Phosphorylation of myosin as a regulatory component in smooth muscle. Hartshorne DJ, et al.
Ann NY Acad Sci 1980;356:130–41

The role of calmodulin in regulation of cardiac sarcoplasmic reticulum phosphorylation. Kranias EG, et al.
Ann NY Acad Sci 1980;356:279–91

The relationship of the structure to the function of calmodulin in the myosin light chain kinase system. Nairn AC, et al. **Ann NY Acad Sci** 1980;356:413–4

Studies of the mechanism of action and regulation of cAMP–dependent protein kinase. Granot J, et al.
Arch Biochem Biophys 1980 Nov;205(1):1–17 (70 ref.)

Protein Kinase Activities in Neurospora crassa. Judewicz ND, et al. **Arch Biochem Biophys** 1981 Jan;206(1):87–92

Characteristics of magnesium–dependent, Ca2+ –stimulated endogenous protein kinase–catalyzed phosphorylation of basic proteins in myelin isolated from rat brain stem white matter. Petrali EH, et al. **Arch Biochem Biophys** 1980 Dec; 205(2):520–35

Coordinate regulation of adenylate cyclase, protein kinase, and specific enzyme synthesis by cholera toxin in hormonally unresponsive hepatoma cells. Wimalasena J, et al. **Arch Biochem Biophys** 1980 Dec;205(2):595–605

Regulation of translation. Ochoa S.
Arch Biol Med Exp (Santiago) 1979 OCT;12(3):295–307 (24 ref.)

Effect of pH on lipolysis, cAMP and cAMP–dependent protein kinase activity in isolated rat fat cells. Chiappe de Cingolani GE, et al. **Arch Int Physiol Biochim** 1980 Dec; 88(5):497–503

Hepatic nuclear protein kinases in young rats pretreated with 3–methylcholanthrene. Szeberényi J, et al.
Arch Toxicol [Suppl] 1980;(4):370–2

Effects of vanadate on the cyclic AMP–protein kinase system in rat liver. Catalán RE, et al.
Biochem Biophys Res Commun 1980 Sep 30;96(2):672–7

Independent responses of nucleoside triphosphatase and protein kinase activities in nuclear envelope following thioacetamide treatment. Clawson GA, et al.
Biochem Biophys Res Commun 1980 Aug 14;95(3):1200–4

Phosphorylation of human fibrinogen in vitro with cyclic 3',5'–AMP–stimulated protein kinase and (32P)ATP. Engström L, et al. **Biochem Biophys Res Commun** 1980 Oct 31;96(4):1503–7

Hormonal stimulation of cAMP–dependent protein kinase in rat pancreas. Holian O, et al.
Biochem Biophys Res Commun 1980 Jul 31;95(2):553–61

Phosphorylation of calf thymus H1 histone by calcium–activated, phospholipid–dependent protein kinase. Iwasa Y, et al. **Biochem Biophys Res Commun** 1980 Sep 16;96(1):180–7

Is protein kinase a subunit of RNA polymerase II, which is responsible for the specificity of transcription? Jankowski JM, et al. **Biochem Biophys Res Commun** 1980 Oct 16; 96(3):1216–24

Distinct conformational changes in the catalytic subunit of cAMP–dependent protein kinase around physiological conditions. Do these changes reflect an ability to assume different specificities? Kupfer A, et al.
Biochem Biophys Res Commun 1980 Sep 16;96(1):77–84

Prereplicative modulation of nuclear protein kinases in the regenerating rat liver. Laks MS, et al.
Biochem Biophys Res Commun 1980 Sep 30;96(2):697–703

Phosphorylation of myocardial nuclei enhances their susceptibility to deoxyribonuclease I. Limas CJ.
Biochem Biophys Res Commun 1981 Jun 16;100(3):1347–52

Phosphorylation of cardiac sarcoplasmic reticulum by a calcium–activated, phospholipid–dependent protein kinase. Limas CJ. **Biochem Biophys Res Commun** 1980 Oct 16; 96(3):1378–83

Disappearance of a basic chromosomal protein from cells of a mouse temperature–sensitive mutant defective in histone phosphorylation. Marunouchi T, et al.
Biochem Biophys Res Commun 1980 Jul 16;95(1):126–31

Protein kinase and cyclic AMP levels in differentiating myoblasts are altered by extracellular calcium. Nguyen TM, et al. **Biochem Biophys Res Commun** 1980 Nov 28; 97(2):384–90

Phosphorylation of troponin T by casein kinase TS. Pinna LA, et al. **Biochem Biophys Res Commun** 1981 May 15; 100(1):449–54

Cyclic AMP–dependent protein kinase of Neurospora crassa. Powers PA, et al. **Biochem Biophys Res Commun** 1980 Jul 31;95(2):701–6

Stimulatory modulator-requiring cyclic nucleotide-independent protein kinase: partial purification from fetal calf hearts and comparison with various protein kinases. Shoji M, et al. **Biochem Biophys Res Commun** 1980 Sep 16;96(1):128-34

Quantitation of heterologous protein kinase subunits R I and R II with the aid of type specific antibodies. Weber W, et al. **Biochem Biophys Res Commun** 1981 Mar 31; 99(2):475-83

Ontogenetic aspects of phospholipid-sensitive calcium-dependent protein kinase in guinea pig tissues. Wise BC, et al. **Biochem Biophys Res Commun** 1981 Mar 31;99(2):407-13

Activation of cyclic AMP-dependent protein kinases I and II by cyclic 3',5'-phosphates of 9-beta-d-ribofuranosylpurine and 2-beta-D-ribofuranosylbenzimidazole. Yagura TS, et al. **Biochem Biophys Res Commun** 1980 Nov 28;97(2):737-43

Tyrosine 3-monoxygenase is phosphorylated by Ca2+-, calmodulin-dependent protein kinase, followed by activation by activator protein. Yamauchi T, et al. **Biochem Biophys Res Commun** 1981 May 29;100(2):807-13

Studies on the mechanism of activation of mitotic histone H1 kinase. Zeilig CE, et al. **Biochem Biophys Res Commun** 1980 Aug 14;95(3):1372-9

Cyclic nucleotide-independent protein kinases bound to cytoplasmic and nuclear polyribosomes in non-infected and adenovirus-infected HeLa cells. Sarma MH, et al. **Biochem J** 1980 Jul 1;189(1):143-52

Effect of modification of the 1-, 2-, and 6-positions of 9-beta-D-ribofuranosylpurine cyclic 3',5'-phosphate on the cyclic nucleotide specificity of adenosine cyclic 3',5'-phosphate- and guanosine cyclic 3',5'-phosphate-dependent protein kinases. Miller JP, et al. **Biochem Pharmacol** 1981 Mar 1;30(5):509-15

Detection of the src-gene product pp60src and its associated protein kinase on the surface of Rous-sarcoma-virus-transformed cells. Barnekow A, et al. **Biochem Soc Trans** 1980 Dec;8(6):735-6

Cyclic AMP- and Ca2+-independent glycogen synthase kinase from dog liver. Dopere F, et al. **Biochem Soc Trans** 1980 Oct;8(5):526-7

Insulin activates a rat liver peripheral plasma-membrane cyclic AMP phosphodiesterase by a phosphorylation mechanism. Marchmont RJ, et al. **Biochem Soc Trans** 1980 Oct;8(5):537-8

Activation of skeletal muscle myosin light chain kinase by calcium(2+) and calmodulin. Blumenthal DK, et al. **Biochemistry** 1980 Nov 25;19(24):5608-14

Characterization of protein kinase activity associated with rat liver polysomal messenger ribonucleoprotein particles. Cardelli J, et al. **Biochemistry** 1980 Jul 8;19(14):3164-9

Polyamine-activated protein kinase reaction from nuclei and nucleoli of Physarum polycephalum which phosphorylates a unique Mr 70 000 nonhistone protein. Daniels GR, et al. **Biochemistry** 1981 Apr 28;20(9):2525-32

Nuclear magnetic resonance studies of the conformation and kinetics of the peptide-substrate at the active site of bovine heart protein kinase. Granot J, et al. **Biochemistry** 1981 Feb 3;20(3):602-10

Mechanism of the stimulation of calcium ion dependent adenosine triphosphatase of cardiac sarcoplasmic reticulum by adenosine 3',5'-monophosphate dependent protein kinase. Kranias EG, et al. **Biochemistry** 1980 Nov 11; 19(23):5434-9

A MAP-2-stimulated protein kinase activity associated with neurofilaments. Runge MS, et al. **Biochemistry** 1981 Jan 6;20(1):175-80

Wheat germ protein kinase affects the translation of Brome Mosaic virus ribonucleic acid in vitro. Rychlik W, et al. **Biochemistry** 1980 Nov 11;19(23):5249-55

Changes in myosin and myosin light chain kinase during myogenesis. Scordilis SP, et al. **Biochemistry** 1981 Jun 9; 20(12):3511-6

Calcium ion stimulated endogenous protein kinase catalyzed phosphorylation of basic proteins in myelin subfractions and myelin-like membrane fraction from rat brain. Sulakhe PV, et al. **Biochemistry** 1980 Nov 11;19(23):5363-71

Mapping adenosine cyclic 3',5'-phosphate binding sites on type I and type II adenosine cyclic 3',5'-phosphate dependent protein kinases using ribose ring and cyclic phosphate ring analogues of adenosine cyclic 3',5'-phosphate. Yagura TS, et al. **Biochemistry** 1981 Feb 17;20(4):879-87

The role of the cyclic AMP-dependent protein kinase in the glucagon-stimulated phosphorylation of ATP-citrate lyase. Alexander MC, et al. **Biochim Biophys Acta** 1981 Apr 17; 674(1):37-47

Adenosine 3',5'-monophosphate-dependent phosphorylation of a 6000 and a 22,000 dalton protein from cardiac sarcoplasmic reticulum. Bidlack JM, et al. **Biochim Biophys Acta** 1980 Oct 1;632(2):310-25

Cyclic nucleotide-dependent phosphorylation of endogenous proteins in bovine adrenocortical cell membranes. Bristow AF, et al. **Biochim Biophys Acta** 1981 Jun 11;675(1):24-8

Membrane-bound protein kinase activity in acetylcholine receptor-enriched membranes. Gordon AS, et al. **Biochim Biophys Acta** 1980 Aug 4;600(2):421-31

Epinephrine effects on cyclic AMP-dependent protein kinases from rat diaphragms. Guinovart JJ, et al. **Biochim Biophys Acta** 1980 Aug 13;631(2):253-63

Evidence for a highly specific protein kinase phosphorylating two strongly acidic proteins of yeast 60 S ribosomal subunit. Kudlicki W, et al. **Biochim Biophys Acta** 1980 Dec 15;633(3):376-85

Phosphorylation of low molecular weight proteins in purified preparations of rat heart sarcolemma and sarcoplasmic reticulum. Lamers JM, et al. **Biochim Biophys Acta** 1980 Aug 21;624(2):443-59

Glycogen synthase activity in Chinese hamster ovary cells. Studies with wild-type and mutant cells defective in cyclic AMP-dependent protein kinase. LeCam A, et al. **Biochim Biophys Acta** 1981 Jun 11;675(1):94-100

Biochemical studies of the excitable membrane of Paramecium. IV. Protein kinase activities of cilia and ciliary membrane. Lewis RM, et al. **Biochim Biophys Acta** 1980 Oct;615(2):341-53

Regulation of cardiac cyclic GMP-dependent protein kinase. Lincoln TM, et al. **Biochim Biophys Acta** 1981 Aug 17; 676(2):230-44

Mechanism of activation of cyclic GMP-dependent protein kinase from rat liver by multiple modulators. Mackenzie CW 3d, et al. **Biochim Biophys Acta** 1980 Dec 15; 633(3):444-56

Specific activation of cyclic AMP-dependent protein kinase(s) by H2-histamine agonists in isolated gastric mucosal cells from guinea-pig. Mangeat P, et al. **Biochim Biophys Acta** 1980 May 22;629(3):604-8

The inhibitory mechanism of in vitro protein phosphorylation by a nonprotein chromophore removed from neocarzinostatin. Ohtsuki K, et al. **Biochim Biophys Acta** 1981 Mar 5;673(2):147-56

Isolation and characterization of cyclic AMP-independent glycogen synthase kinase from rat skeletal muscle. Schlender KK, et al. **Biochim Biophys Acta** 1980 Oct; 615(2):324-40

Activation of cyclic AMP-dependent protein kinase. A common step in vasopressin- and hypertonicity-induced water flow. Schlondorff D, et al. **Biochim Biophys Acta** 1980 Oct 1;632(2):173-82

Phosphorylation of membranes from the rat gastric mucosa. Shaltz LJ, et al. **Biochim Biophys Acta** 1981 Apr 3; 673(4):539-51

Endogenous substrates for protein kinases in Coprinus macrorhizus. Uno I, et al. **Biochim Biophys Acta** 1981 Mar 5;673(2):197-202

Hormonal regulation of glycogen synthase: insulin decreases protein kinase sensitivity to cyclic AMP. Walkenbach RJ, et al. **Biochim Biophys Acta** 1980 May 22;629(3):421-30

The phosphorylation of the proteins of rat liver heterogeneous ribonucleoprotein particles by an endogenous kinase activity. Wilks AF, et al. **Biochim Biophys Acta** 1981 Jan 29;652(1):228-33

Stimulation by phospholipid of calcium-dependent phosphorylation of endogenous proteins from mammalian tissues. Wrenn RW, et al. **Biochim Biophys Acta** 1981 Aug 17;676(2):266-9

Metabolic oscillations in biochemical systems controlled by covalent enzyme modification. Martiel JL, et al. **Biochimie** 1981 Feb;63(2):119-24

Phosphorylation of caseins, present evidence for an amino acid triplet code posttranslationally recognized by specific kinases. Mercier JC. **Biochimie** 1981 Jan;63(1):1-17 (98 ref.)

Characterization of an histone kinase activity specifically found in hyperfunctioning benign thyroid tumors. Munari-Silem Y, et al. **Biochimie** 1981 Jun;63(6):527-33

Early alterations in rat colonic mucosal cyclic nucleotide metabolism and protein kinase activity induced by 1,2-dimethylhydrazine. DeRubertis FR, et al. **Cancer Res** 1980 Dec;40(12):4589-98

Cyclic adenosine 3':5'-monophosphate-dependent and -independent protein kinase in acute myeloblastic leukemia. Elias L, et al. **Cancer Res** 1981 Jun;41(6):2182-8

Comparative studies on the endogenous phosphorylation of microsomal membrane derived from Morris hepatoma, eight-day-old rats, and host livers in the presence of micromolar levels of Mg2+ ion. Lam KS, et al. **Cancer Res** 1981 Mar;41(3):860-3

Alterations in cyclic adenosine 3':5'-monophosphate-dependent protein kinases during normal and neoplastic lung development. Malkinson AM, et al. **Cancer Res** 1981 Apr;41(4):1334-44

Characterization of protein kinase activity associated with the transforming gene product of Fujinami sarcoma virus. Feldman RA, et al. **Cell** 1980 Dec;22(3):757-65

Heat shock and deciliation induce phosphorylation of histone H1 in T. pyriformis. Glover CV, et al. **Cell** 1981 Jan; 23(1):73-7

Protein phosphorylated by the RSV transforming function. Hunter T. **Cell** 1980 Dec;22(3):647-8

Phosphorylation of intermediate filament proteins by cAMP-dependent protein kinases. O'Connor CM, et al. **Cell** 1981 Jan;23(1):135-43

Evidence that the phosphorylation of tyrosine is essential for cellular transformation by Rous sarcoma virus. Sefton BM, et al. **Cell** 1980 Jul;20(3):807-16

Vinculin: a cytoskeletal target of the transforming protein of Rous sarcoma virus. Sefton BM, et al. **Cell** 1981 Apr; 24(1):165-74

Localization and characterization of the src-gene product of Rous sarcoma virus. Goldberg AR, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):991-1005

Enzymatic activities associated with the SV40 large T antigen. Griffin JD, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):113-22

Expression of the src-gene product, pp60src, in transformed and reverted mammalian cells infected with avian sarcoma virus. Lau AF, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):1057-64

Comparison of protein kinase activities in normal cells and cells transformed by a temperature-sensitive mutant of avian sarcoma virus to those of cell-free viral translational products. Owada M, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):959-65

Transformation by Rous sarcoma virus: effects of src-gene expression on the synthesis and phosphorylation of cellular polypeptides. Radke K, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):975-82

Localization of pp60src within normal rat kidney cells infected with temperature-sensitive mutants (T-class) of Rous sarcoma virus. Rohrschneider LR. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):1013-22

Is polyoma virus middle T antigen a protein kinase? Smith AE, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):141-7

Catalytic properties of the SV40 large T antigen. Tjian R, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):103-11

Ontogeny of membrane-bound protein phosphorylating systems in the rat. Holmes H, et al. **Dev Neurosci** 1981; 4(1):79-88

Differences in the cyclic AMP-dependent phosphorylation of plasma membrane proteins of differentiated and undifferentiated L6 myogenic cells. Scott RE, et al. **Differentiation** 1980 Apr;16(2):135-40

Effects of adenosine and guanosine on thyroidal ornithine decarboxylase, protein kinase, and the adenosine 3',5'-monophosphate-adenylate cyclase system in the mouse. Friedman Y, et al. **Endocrinology** 1981 Jul; 109(1):113-9

Insulin release in aging: studies on adenylate cyclase, phosphodiesterase, and protein kinase in isolated islets of Langerhans of the rat. Lipson LG, et al. **Endocrinology** 1981 Feb;108(2):620-4

Activation of adenosine 3',5'-monophosphate-dependent protein kinase in normal and malignant bone cells by parathyroid hormone, prostaglandin E2, and prostacyclin. Partridge NC, et al. **Endocrinology** 1981 Jan;108(1):220-5

Adenosine 3',5'-monophosphate (cAMP)-binding proteins and cAMP-dependent protein kinases in bovine adrenal cortical cell plasma membrane. Reitherman R, et al. **Endocrinology** 1981 Jul;109(1):301-6

The ATP substrate site of a cyclic-nucleotide-independent protein kinase from porcine liver nuclei. Baydoun H, et al. **Eur J Biochem** 1981 Apr;115(2):385-9

A reinvestigation of the phosphorylation of rabbit skeletal-muscle glycogen synthase by cyclic-AMP-dependent protein kinase. Identification of the third site of phosphorylation as serine-7. Embi N, et al. **Eur J Biochem** 1981 Apr;115(2):405-13

Studies on the mechanism of action of the histone kinase dependent on adenosine 3',5'-monophosphate. Interaction of ATP with the catalytic subunit of the pig-brain enzyme: application of the quenched-flow technique. Gabibov AG, et al. **Eur J Biochem** 1981 Apr;115(2):297-301

Reversible phosphorylation and inactivation of acetyl-CoA carboxylase from lactating rat mammary gland by cyclic AMP-dependent protein kinase. Hardie DG, et al. **Eur J Biochem** 1980 Sep;110(1):167-77

Preferential phosphorylation of basic non-histone proteins by nuclear protein kinase NII from rat liver. Hasuma T, et al. **Eur J Biochem** 1980 Aug;109(2):349-57

Steroid hormones may regulate autophosphorylation of adenosine-3',5'-monophosphate-dependent protein kinase in target tissues. Liu AY, et al. **Eur J Biochem** 1981 Mar; 114(3):539-48

The role of Ca2+ and cyclic AMP in the phosphorylation of rat-liver soluble proteins by endogenous protein kinases. Van den Berg GB, et al. **Eur J Biochem** 1980 Dec; 113(1):131-40

The antilipolytic action of insulin on adrenocorticotrophin-stimulated rat adipocytes. The roles of adenosine 3',5'-monophosphate and the protein kinase dependent on adenosine 3',5'-monophosphate. Wong EH, et al. **Eur J Biochem** 1981 Mar 16;115(1):17-22

Response of a dog kidney cell line (MDCK) to antidiuretic hormone (ADH) with special reference to activation of protein kinase. Mita S, et al. **Exp Cell Res** 1980 Nov; 130(1):169-73

Nuclear translocation of cAMP-dependent protein kinase. Nesterova MV, et al. **Exp Cell Res** 1981 Apr;132(2):367-73

Cell cycle-associated modulation in cAMP-dependent plasma membrane phosphorylation. Scott RE, et al. **Exp Cell Res** 1981 May;133(1):73-82

Distribution of cyclic AMP-dependent protein kinase in the bovine cornea. Walkenbach RJ, et al. **Exp Eye Res** 1981 Apr;32(4):451-9

Regulation of cyclic AMP-dependent protein kinase and glycogen synthase by cyclic AMP in the bovine cornea. Walkenbach RJ, et al. **Exp Eye Res** 1981 Jul;33(1):111-20

Conversion of mammalian cyclic GMP-dependent protein kinase into modulator-dependent protein kinase (type II) in vitro. Kuo WN, et al. **Experientia** 1980 Aug 15; 36(8):904-6

Separation between modulator-dependent protein kinases I

and II. Kuo WN. **Experientia** 1981 Mar 15;37(3):235–7
Tissue energy of mammalian modulator-dependent protein kinases. Kuo WN. **Experientia** 1981 May 15;37(5):453–4
Monitoring the resolution of proteins and peptides in the course of their electrophoresis. Use in studying the degradative inactivation of cAMP-dependent protein kinase. Alhanaty E, et al. **FEBS Lett** 1981 Mar 23; 125(2):151–4
Regulation of acetyl-CoA carboxylase: identity fo sites phosphorylated in intact cells treated with adrenaline and in vitro by cyclic AMP-dependent protein kinase. Brownsey RW, et al. **FEBS Lett** 1980 Oct 20;120(1):67–70
Evidence for phosphorylation and activation of acetyl CoA carboxylase by a membrane-associated cyclic AMP-independent protein kinase. Relationship to the activation of acetyl CoA carboxylase by insulin. Brownsey RW, et al. **FEBS Lett** 1981 Feb 23;124(2):145–50
Phosphorylation of rabbit skeletal muscle phosphorylase kinase by cyclic GMP-dependent protein kinase. Cohen P. **FEBS Lett** 1980 Oct 6;119(2):301–6
In vitro activation of DNA polymerase-alpha by a protein kinase in chick embryo. Danse JM, et al. **FEBS Lett** 1981 Feb 9;124(1):84–8
Separation of two nonidentical cAMP binding sites in the cAMP-dependent protein kinase type I. de Wit RJ, et al. **FEBS Lett** 1981 May 5;127(1):9–12
Specificity of a rat liver protein phosphatase active on caseins phosphorylated by two cAMP-independent protein kinases. 'Casein phosphatase' and the 'multifunctional' phosphoprotein phosphatase are different enzymes. Donella Deana A, et al. **FEBS Lett** 1981 Mar 9;125(1):77–82
Rabbit reticulocyte double-stranded RNA-activated protein kinase and the hemin-controlled translational repressor phosphorylate the same Mr 1500 peptide of eukaryotic initiation factor 2 alpha. Gross M, et al. **FEBS Lett** 1981 Mar 23;125(2):223–6
Phosphorylation of HMG 17 by protein kinase NII from rat liver cell nuclei. Inoue A, et al. **FEBS Lett** 1980 Aug 11; 117(1):68–72
Thermolabile factor accelerates pyruvate dehydrogenase kinase reaction in heart mitochondria of starved or alloxan-diabetic rats. Kerbey AL, et al. **FEBS Lett** 1981 May 18;127(2):188–92
On the role of cyclic AMP and Ca2+-calmodulin-dependent phosphorylation in the control of (Ca2+ + Mg2+)-ATPase of cardiac sarcolemma. Lamers JM, et al. **FEBS Lett** 1981 May 5;127(1):139–43
In vitro phosphorylation of histones H5, H2A, H2B and of the dimer H2A--H2B by a cyclic AMP-dependent protein kinase from rat pancreas. Martinage A, et al. **FEBS Lett** 1980 Sep 8;118(2):323–9
Protein kinase II has two distinct binding sites for cyclic AMP, only one of which is detectable by the conventional membrane-filtration method. Ogreid D, et al. **FEBS Lett** 1980 Dec 1;121(2):340–4
Amino acid sequence of a region in rabbit skeletal muscle glycogen synthase phosphorylated by cyclic AMP-dependent protein kinase. Parker PJ, et al. **FEBS Lett** 1981 Jan 26;123(2):332–6
Altered ratios and different subcellular distribution of type I and type II cAMP-dependent protein kinases in several thyroidal pathological tissues. Pavlovic-Hournac M, et al. **FEBS Lett** 1981 Mar 23;125(2):155–8
Phosphorylation of ATP-citrate lyase by a cyclic AMP-independent protein kinase from rat liver. Ramakrishna S, et al. **FEBS Lett** 1981 Feb 23;124(2):140–4
Cyclic nucleotide-dependent protein kinases from cilia of Paramecium tetraurelia: partial purification and characterization. Schultz JE, et al. **FEBS Lett** 1980 Jul 11; 116(1):75–8
The development of cAMP-dependent protein phosphorylation in skeletal muscle sarcolemma. Smith PB, et al. **FEBS Lett** 1981 Feb 23;124(2):155–8
Is smooth muscle myosin a substrate for the cAMP-dependent protein kinase? Walsh MP, et al. **FEBS Lett** 1981 Apr 6;126(1):107–10
Evidence for three distinct forms of calmodulin-dependent protein kinases from rat brain. Yamauchi T, et al. **FEBS Lett** 1980 Jul 28;116(2):141–4
Kinetic studies on the interaction of cAMP with bovine cardiac protein kinase. Yücel M, et al. **FEBS Lett** 1981 Mar 9;125(1):120–2
Hormonal activation of protein kinase and lipid mobilization in the locust fat body in vitro. Pines M, et al. **Gen Comp Endocrinol** 1981 Apr;43(4):427–31
Binding proteins for cyclic AMP in mammalian tissues. Døskeland SO, et al. **Int J Biochem** 1981;13(1):1–19 (232 ref.)
Distribution, translocation and developmental changes of two types of the cyclic AMP-dependent protein kinases in chick liver. Kwast-Welfeld J, et al. **Int J Biochem** 1981; 13(6):721–5
Soluble cyclic AMP-dependent protein kinases from chick liver: effects of NaCl and heat-stable modulator. Kwast-Welfeld J, et al. **Int J Biochem** 1981;13(3):373–9
Temperature sensitive phosphoproteins in rat cells transformed by a temperature sensitive mutant of rous sarcoma virus. Segawa K, et al. **J Biochem (Tokyo)** 1980 Jul;88(1):277–80
Dephosphorylation of rabbit skeletal muscle glycogen synthase (phosphorylated by cyclic AMP-independent synthase kinase 1) by phosphatases. Ahmad Z, et al. **J Biol Chem** 1981 Jan 25;256(2):757–60
A specific substrate from rabbit cerebellum for guanosine-3':5'-monophosphate-dependent protein kinase. III. Amino acid sequences at the two phosphorylation sites. Aitken A, et al. **J Biol Chem** 1981 Apr 10;256(7):3501–6
A specific substrate from rabbit cerebellum for guanosine 3':5'-monophosphate-dependent protein kinase. II. Kinetic studies on its phosphorylation by guanosine 3':5'-monophosphate-dependent and adenosine 3':5'-monophosphate-dependent protein kinases. Aswad DW, et al. **J Biol Chem** 1981 Apr 10;256(7):3494–500
A specific substrate from rabbit cerebellum for guanosine 3':5'-monophosphate-dependent protein kinase. I. Purification and characterization. Aswad DW, et al. **J Biol Chem** 1981 Apr 10;256(7):3487–93
A polyamine-dependent protein kinase from bovine epididymal spermatozoa. Atmar VJ, et al. **J Biol Chem** 1981 Aug 25;256(16):8275–8
In vitro and in vivo phosphorylation of rat liver 3-hydroxy-3-methylglutaryl coenzyme A reductase and its modulation by glucagon. Beg ZH, et al. **J Biol Chem** 1980 Sep 25;255(18):8541–5
Phosphorylation of rat ascites tumor non-histone chromatin proteins. Differential phosphorylation by two cyclic nucleotide-independent protein kinases and comparison to in vivo phosphorylation. Christmann JL, et al. **J Biol Chem** 1981 Apr 10;256(7):3326–31
The relationship between calmodulin binding and phosphorylation of smooth muscle myosin kinase by the catalytic subunit of 3':5' cAMP-dependent protein kinase. Conti MA, et al. **J Biol Chem** 1981 Apr 10;256(7):3178–81
Phosphorylation and activation of the cardiac isoenzyme of phosphorylase kinase by the cAMP-dependent protein kinase. Cooper RH, et al. **J Biol Chem** 1981 Aug 10; 256(15):8030–8
Phosphorylation of eukaryotic DNA-dependent RNA polymerase. Identification of calf thymus RNA polymerase subunits phosphorylated by two purified protein kinases, correlation with in vivo sites of phosphorylation in HeLa cell RNA polymerase II. Dahmus ME. **J Biol Chem** 1981 Apr 10;256(7):3332–9
Phosphorylation of glycogen synthase and of the beta subunit of eukaryotic initiation factor two by a common protein kinase. DePaoli-Roach AA, et al. **J Biol Chem** 1981 Sep 10;256(17):8871–4
Characterization of a rabbit skeletal muscle protein kinase (PC0.7) able to phosphorylate glycogen synthase and phosvitin. DePaoli-Roach AA, et al. **J Biol Chem** 1981 Sep 10;256(17):8955–62
Autophosphorylation of cGMP-dependent protein kinase. Foster JL, et al. **J Biol Chem** 1981 May 25;256(10):5029–36
Studies on the phosphorylation of the type I cAMP-dependent protein kinase. Geahlen RL, et al. **J Biol Chem** 1980 Oct 10;255(19):9375–9
Effect of phosphorylation on the regulatory subunit of the type I cAMP-dependent protein kinase. Geahlen RL, et al. **J Biol Chem** 1981 May 10;256(9):4536–40
Studies on the site in the regulatory subunit of type I cAMP-dependent protein kinase phosphorylated by cGMP-dependent protein kinase. Hashimoto E, et al. **J Biol Chem** 1981 Jun 10;256(11):5604–7
Affinity labeling of the ATP binding site of bovine lung cyclic GMP-dependent protein kinase with 5'-p-fluorosulfonylbenzoyladenosine. Hixson CS, et al. **J Biol Chem** 1981 Feb 10;256(3):1122–7
Differential phosphorylation of multiple sites in purified protein I by cyclic AMP-dependent and calcium-dependent protein kinases. Huttner WB, et al. **J Biol Chem** 1981 Feb 10;256(3):1482–8
Regulation of liver hydroxymethylglutaryl-CoA reductase by a bicyclic phosphorylation system. Ingebritsen TS, et al. **J Biol Chem** 1981 Feb 10;256(3):1138–44
Activity of eukaryotic initiation factor 2 is modified by processes distinct from phosphorylation. II. Activity of eukaryotic initiation factor 2 in lysate is modified by oxidation-reduction state of its sulfhydryl groups. Jagus R, et al. **J Biol Chem** 1981 Feb 10;256(3):1324–9
Unmasking effect of alamethicin on the (Na+,K+)-ATPase, beta-adrenergic receptor-coupled adenylate cyclase, and cAMP-dependent protein kinase activities of cardiac sarcolemmal vesicles. Jones LR, et al. **J Biol Chem** 1980 Oct 25;255(20):9971–80
Cooperative roles of various membrane phospholipids in the activation of calcium-activated, phospholipid-dependent protein kinase. Kaibuchi K, et al. **J Biol Chem** 1981 Jul 25;256(14):7146–9
Studies on the phosphorylation of muscle phosphofructokinase. Kemp RG, et al. **J Biol Chem** 1981 Jul 25;256(14):7282–6
Covalent modification of an adenosine 3':5'-monophosphate binding site of the regulatory subunit of cAMP-dependent protein kinase II with 8-azidoadenosine 3':5'-monophosphate. Identification of a single modified tyrosine residue. Kerlavage AR, et al. **J Biol Chem** 1980 Sep 25;255(18):8483–8
Modulation of nuclear protein kinase activity and phosphorylation of histone H1 subspecies during the prereplicative phase of rat liver regeneration. Laks MS, et al. **J Biol Chem** 1981 Aug 25;256(16):8775–85
Cyclic AMP-dependent phosphorylation in intact cells and in cell-free extracts from Chinese hamster ovary cells. Studies with wild type and cyclic AMP-resistant mutants. LeCam A, et al. **J Biol Chem** 1981 Jan 25;256(2):933–41
Identification of endogenous substrate proteins for cAMP-dependent protein kinase in bovine brain. Lohmann SM, et al. **J Biol Chem** 1980 Oct 25;255(20):9985–92
Phosphorylation of heart glycogen synthase by cAMP-dependent protein kinase. Regulatory effects of ATP. Mitchell JW, et al. **J Biol Chem** 1980 Nov 10; 255(21):10368–74
Phosphorylation of bovine heart glycogen synthase by two protein kinases. Kinetic properties of phosphorylated forms of the enzyme. Mitchell JW, et al. **J Biol Chem** 1981 Jun 25;256(12):6160–9
Inhibitory action of chlorpromazine, dibucaine, and other phospholipid-interacting drugs on calcium-activated, phospholipid-dependent protein kinase. Mori T, et al. **J Biol Chem** 1980 Sep 25;255(18):8378–80
Differential labeling and identification of the cysteine-containing tryptic peptides of catalytic subunit from porcine heart cAMP-dependent protein kinase. Nelson NC, et al. **J Biol Chem** 1981 Apr 25;256(8):3743–50
Phosphorylation of smooth muscle myosin light chains by cAMP-dependent protein kinase. Noiman ES. **J Biol Chem** 1980 Dec 10;255(23):11067–70
Calmodulin-dependent glycogen synthase kinase. Payne ME, et al. **J Biol Chem** 1980 Sep 10;255(17):8054–6
ATP-citrate lyase. Structure of a tryptic peptide containing the phosphorylation site directed by glucagon and the cAMP-dependent protein kinase. Pierce MW, et al. **J Biol Chem** 1981 Sep 10;256(17):8867–70
The structural domains of cAMP-dependent protein kinase I. Characterization of two sites of proteolytic cleavage and homologies to cAMP-dependent protein kinase II. Potter RL, et al. **J Biol Chem** 1980 Oct 25;255(20):9706–12
Studies on the function of the two intrachain cAMP binding sites of protein kinase. Rannels SR, et al. **J Biol Chem** 1981 Aug 10;256(15):7871–6
Feline sarcoma virus P115-associated protein kinase phosphorylates tyrosine. Identification of a cellular substrate conserved during evolution. Reynolds FH Jr, et al. **J Biol Chem** 1980 Nov 25;255(22):11040–7
A heparin-sensitive nuclear protein kinase. Purification, properties, and increased activity in rat hepatoma relative to liver. Rose KM, et al. **J Biol Chem** 1981 Jul 25; 256(14):7468–77
H3-specific nucleohistone kinase of bovine thymus chromatin. Purification, characterization, and specificity for threonine residue 3. Shoemaker CB, et al. **J Biol Chem** 1980 Nov 25;255(22):11048–55
Phosphorylation of the beta subunit of Na+K+-ATPase in Ehrlich ascites tumor by a membrane-bound protein kinase. Spector M, et al. **J Biol Chem** 1980 Sep 25; 255(18):8370–3
Regulation of phosphorylation of the beta-subunit of th Ehrlich ascites tumor Na+K+-ATPase by a protein kinase cascade. Spector M, et al. **J Biol Chem** 1981 May 10;256(9):4219–27
Site-specific phosphorylation if initiation factor 2 by three cyclic nucleotide-independent protein kinases. Tuazon PT, et al. **J Biol Chem** 1980 Nov 25;255(22):10954–8
Identification of phosphotyrosine as a product of epidermal growth factor-activated protein kinase in A-431 cell membranes. Ushiro H, et al. **J Biol Chem** 1980 Sep 25; 255(18):8363–5
Regulation of cyclic nucleotide-dependent protein kinase activity by histones and poly(L-arginine). Walton GM, et al. **J Biol Chem** 1981 Feb 25;256(4):1681–8
The identification of distinct protein kinases and phosphatases in the prokaryote Salmonella typhimurium. Wang JY, et al. **J Biol Chem** 1981 May 10;256(9):4640–8
A new activator protein that activates tryptophan 5-monooxygenase and tyrosine 3-monooxygenase in the presence of Ca2+-, calmodulin-dependent protein kinase. Purification and characterization. Yamauchi T, et al. **J Biol Chem** 1981 Jun 10;256(11):5404–9
Immunofluorescent localization of cyclic nucleotide-dependent protein kinases on the mitotic apparatus of cultured cells. Browne CL, et al. **J Cell Biol** 1980 NOV;87(2 Pt 1):336–45
Function of a calmodulin in postsynaptic densities. II. Presence of a calmodulin-activatable protein kinase activity. Grab DJ, et al. **J Cell Biol** 1981 Jun;89(3):440–8
Cyclic AMP-dependent protein kinases from Balb 3T3 cells and other 3T3 derived lines. Wehner JM, et al. **J Cell Physiol** 1981 Aug;108(2):175–84
External cell surface protein phosphorylation in normal and Rous sarcoma virus transformed chick embryo fibroblasts. Yee SP, et al. **J Cell Physiol** 1981 Jan;106(1):149–63
Effects of acetylcholine and nitroprusside on cGMP-dependent protein kinase in the perfused rat heart. Lincoln TM, et al. **J Cyclic Nucleotide Res** 1980;6(2):83–91
Methyl 5'-(6-aminopurin-9-yl)-5'-deoxy-beta-D-ribofuranoside 2',3'-cyclic monophosphate: a novel, biologically active, structural analogue of cyclic AMP. Nair V, et al. **J Cyclic Nucleotide Res** 1980;6(3):189–200
Studies of functional domains of the regulatory subunit from cAMP-dependent protein kinase isozyme I. Rannels SR, et al. **J Cyclic Nucleotide Res** 1980;6(3):201–15
Effect of phosphodiesterase inhibitors on heart contractile behaviour, protein kinase activity and cyclic nucleotide levels. Argel MI, et al. **J Mol Cell Cardiol** 1980 Oct; 12(10):939–54

Phosphorylation of endogenous proteins by adenosine 3':5'-monophosphate-dependent protein kinase in mouse neuroblastoma cells. Prashad N, et al. **J Neurochem** 1980 Jul;35(1):38-46

Cyclic AMP-dependent protein kinase activity in human brain across age. Schmidt MJ, et al. **J Neurochem** 1980 Jul;35(1):261-5

Tyrosine hydroxylase activation and inactivation by protein phosphorylation conditions. Vrana KE, et al. **J Neurochem** 1981 Jan;36(1):92-100

A simple and rapid method for the assay of cyclic GMP-dependent protein kinase. Bandle E, et al. **J Neurosci Methods** 1980 Aug;2(4):419-27

Relationship among isoproterenol, cyclic AMP, cyclic AMP-dependent protein kinase and lipolysis in perfused fat cells. Sengupta K, et al. **J Pharmacol Exp Ther** 1981 Jul;218(1):128-33

Specific protein phosphorylation during cyclic AMP-mediated morphological reversion of transformed cells. Bloom GS, et al. **J Supramol Struct** 1980;14(2):241-54

Reversible phosphorylation of the membrane-bound acetylcholine receptor. Gordon AS, et al. **J Supramol Struct** 1980;14(2):163-74

Snyder-Theilen feline sarcoma virus P85 contains a single phosphotyrosine acceptor site recognized by its associated protein kinase. Blomberg J, et al. **J Virol** 1981 Jun; 38(3):886-94

Association of pp60src and src protein kinase activity with the plasma membrane of nonpermissive and permissive avian sarcoma virus-infected cells. Krzyzek RA, et al. **J Virol** 1980 Dec;36(3):805-15

Herpes simplex virus phosphoproteins. II. Characterization of the virion protein kinase and of the polypeptides phosphorylated in the virion. Lemaster S, et al. **J Virol** 1980 Sep;35(3):798-811

Abelson murine leukemia virus transformation-defective mutants with impaired P120-associated protein kinase activity. Reynolds FH Jr, et al. **J Virol** 1980 Nov; 36(2):374-86

Studies on transmembrane control of histone phosphorylation. Iwasa Y. **Kobe J Med Sci** 1980 Dec; 26(4):237-51

Adenosine 3',5'-monophosphate protein kinase isoenzyme distribution in lymphocytes from normal individuals and patients with chronic lymphocytic leukaemia. Tisdale MJ, et al. **Leuk Res** 1980;4(6):581-90

Independent expression of cyclic AMP dependent protein kinases related to cyclic nucleotide systems, during triiodothyronine induced cardiac hypertrophy. Bogdanovsky-Sequeval D, et al. **Life Sci** 1980 Aug 4; 27(5):387-94

Separate mechanisms of induction for ornithine decarboxylase by triiodothyronine and aminophylline. Combest WL, et al. **Life Sci** 1980 Aug 25;27(8):651-8

Increase in nuclear cyclic GMP-dependent protein kinase following partial hepatectomy. Tse J, et al. **Life Sci** 1981 Jun 15;28(24):2697-704

Three multifunctional protein kinase systems in transmembrane control. Nishizuka Y. **Mol Biol Biochem Biophys** 1980;32:113-35

Phosphorylation of glycogen synthase in a homogenate of human polymorphonuclear leukocytes. Juhl H, et al. **Mol Cell Biochem** 1981 Mar 13;35(2):93-101

Phosphorylation of glycogen synthase I from human polymorphonuclear leukocytes. Juhl H. **Mol Cell Biochem** 1981 Mar 13;35(2):77-92

Dibutyryl cyclic AMP-induced phosphorylation of specific proteins in adenohypophysial cells. Brattin WJ Jr, et al. **Mol Cell Endocrinol** 1981 Jul;23(1):77-90

The participation of cyclic nucleotides and protein kinase in the regulation of norepinephrine synthesis and release during nerve stimulation. Weiner N. **Monogr Neural Sci** 1980;7:146-60

Purified EGF receptor-kinase interacts specifically with antibodies to Rous sarcoma virus transforming protein. Chinkers M, et al. **Nature** 1981 Apr 9;290(5806):516-9

Regulation of human platelet myosin light chain kinase by the catalytic subunit of cyclic AMP-dependent protein kinase. Hathaway DR, et al. **Nature** 1981 May 21; 291(5812):252-6

Anti-pp60src antibodies are substrates for EGF-stimulated protein kinase. Kudlow JE, et al. **Nature** 1981 Apr 9; 290(5806):519-21

Homologous tyrosine phosphorylation sites in transformation-specific gene products of distinct avian sarcoma viruses. Neil JC, et al. **Nature** 1981 Jun 25; 291(5817):675-7

A ribosomal protein mediates eIF-2 phosphorylation by interferon-induced kinase. Ohtsuki K, et al. **Nature** 1980 Sep 4;287(5777):65-7

Regulation of non-muscle myosin assembly by calmodulin-dependent light chain kinase. Scholey JM, et al. **Nature** 1980 Sep 18;287(5779):233-5

Guanine nucleotide-binding and autophosphorylating activities associated with the p21src protein of Harvey murine sarcoma virus. Shih TY, et al. **Nature** 1980 Oct 23;287(5784):686-91

Spectacular cancer mechanism doubted [news] Stein MD. **Nature** 1981 Sep 10;293(5828):93

Calcium-dependent phosphorylation of histone H3 in butyrate-treated HeLa cells. Whitlock JP Jr, et al. **Nature** 1980 Sep 4;287(5777):74-6

Heterophylic action of ecdysterone. Effect on the cAMP-protein kinase system in mouse. Catalán RE, et al. **Naturwissenschaften** 1980 Oct;67(10):520

Increased phosphorylation in vitro of a cytosolic polypeptide resolved from denervated skeletal muscle. Squinto SP, et al. **Neurochem Res** 1981 Feb;6(2):203-11

The immunofluorescent localization of regulatory and catalytic subunits of cyclic AMP-dependent protein kinase in neuronal and glial cell types of the central nervous system. Cumming R, et al. **Neuroscience** 1981;6(5):953-61

Conformations and arrangement of substrates at active sites of ATP-utilizing enzymes. Mildvan AS. **Philos Trans R Soc Lond [Biol]** 1981 Jun 26;293(1063):65-74 (43 ref.)

Degradative inactivation of cyclic AMP-dependent protein kinase by a membranal proteinase is restricted to the free catalytic subunit in its native conformation. Alhanaty E, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3492-5

Ca2+- and calmodulin-stimulated endogenous phosphorylation of neurotubulin. Burke BE, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):991-5

Association of the src gene product of Rous sarcoma virus with cytoskeletal structures of chicken embryo fibroblasts. Burr JG, et al. **Proc Natl Acad Sci USA** 1980 Jun; 77(6):3484-8

Intracellular injection of t he catalytic subunit of cyclic AMP-dependent protein kinase simulates facilitation of transmitter release underlying behavioral sensitization in Aplysia. Castellucci VF, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7492-6

Phosphorylation of McArdle phosphorylase induces activity. Cerri CG, et al. **Proc Natl Acad Sci USA** 1981 May; 78(5):2688-92

Relationship between phosphorylation and activity of heme-regulated eukaryotic initiation factor 2 alpha kinase. Fagard R, et al. **Proc Natl Acad Sci USA** 1981 Feb; 78(2):866-70

Differential expression of type I and type II cyclic AMP-dependent protein kinases during cell cycle and cyclic AMP-induced growth arrest. Haddox MK, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3445-9

Fructose-bisphosphatase as a substrate of cyclic AMP-dependent protein kinase. Hosey MM, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):91-4

Microinjection of catalytic subunit of cyclic AMP-dependent protein kinase enhances calcium action potentials of bag cell neurons in cell culture. Kaczmarek LK, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7487-91

Hormone-sensitive lipase in differentiated 3T3-L1 cells and its activation by cyclic AMP-dependent protein kinase. Kawamura M, et al. **Proc Natl Acad Sci USA** 1981 Feb; 78(2):732-6

Two calcium/calmodulin-dependent protein kinases, which are highly concentrated in brain, phosphorylate protein I at distinct sites. Kennedy MB, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):1293-7

Calcium-dependent protein kinase: widespread occurrence in various tissues and phyla of the animal kingdom and comparison of effects of phospholipid, calmodulin, and trifluoperazine. Kuo JF, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7039-43

Protein kinase activity of RNA polymerase I purified from a rat hepatoma: probable function of Mr 42,000 and 24,600 polypeptides. Rose KM, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):2833-7

Evidence that the Abelson virus protein functions in vivo as a protein kinase that phosphorylates tyrosine. Sefton BM, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1552-6

Cyclic AMP-dependent protein kinase I: cyclic nucleotide binding, structural changes, and release of the catalytic subunits. Smith SB, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1591-5

Abnormal behavior of interferon-induced enzymatic activities in an interferon-resistant cell line. Verhaegen M, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4479-83

Parallel activation of cyclic AMP phosphodiesterase and cyclic AMP-dependent protein kinase in two human gut adenocarcinoma cells (HT 29 and HRT 18) in culture, by vasoactive intestinal peptide (VIP) and other effectors activating the cyclic AMP system. Mangeat P, et al. **Regul Pept** 1981 Mar;1(6):397-414

Benzodiazepine inhibition of the calcium-calmodulin protein kinase system in brain membrane. DeLorenzo RJ, et al. **Science** 1981 Jul 31;213(4507):546-9

Endogenous substrate for cyclic AMP-dependent protein kinase in adrenocortical polyadenylated messenger ribonucleoproteins. Moore RE, et al. **Science** 1980 Dec 5; 210(4474):1137-9

Stimulation of DNA synthesis by an adenovirus type 12 T antigen fraction containing protein kinase activity and encapsulated in liposomes. Allebach ES, et al. **Virology** 1980 Nov;107(1):240-9

Protein kinase activity associated with Epstein-Barr virus-determined nuclear antigen. Kamata T, et al. **Virology** 1981 Sep;113(2):512-20

Tyrosine-specific protein kinase activity associated with p105 of avian sarcoma virus PRCII. Neil JC, et al. **Virology** 1981 Feb;109(1):223-8

Phosphorylation of pp60src and the cycloheximide insensitive activation of the pp60src-associated kinase activity of transformation-defective temperature-sensitive mutants of Rous sarcoma virus. Ziemiecki A, et al. **Virology** 1980 Oct 30;106(2):391-4

Preferential phosphorylation of high mobility group protein 17 in vitro by a nuclear protein kinase. Arfmann HA, et al. **Z Naturforsch [C]** 1981 Mar-Apr;36(3-4):319-22

[Protein kinase and protease (author's transl)] Kawahara Y, et al. **Tanpakushitsu Kakusan Koso** 1980;25(6):454-62 (131 ref.) **(Jpn)**

[Adenosine cyclic monophosphate level, adenyl cyclase activity, 3,5'-cyclic AMP phosphodiesterase and protein kinases in rat brain in experimental carbon monoxide poisoning] Sikorska M. **Neuropatol Pol** 1980 May-Jun; 18(2):203-17 (Eng. Abstr.) **(Pol)**

[Troponin T kinase: possible relationship to casein kinases of the G type] Dobrovol'skiĭ AB, et al. **Biokhimiia** 1981 Jun;46(6):1006-14 (Eng. Abstr.) **(Rus)**

[Changes in some properties of 3':5'-AMP-dependent protein kinase from rat skeletal muscles during physical exercise] Kalinskiĭ MI, et al. **Biokhimiia** 1981 Jan;46(1):120-5 (Eng. Abstr.) **(Rus)**

[Nuclear translocation and effect of cAMP-dependent protein kinase on transcription] Nesterova MV, et al. **Biokhimiia** 1980 Jun;45(6):979-91 (Eng. Abstr.) **(Rus)**

[Effect of the cAMP-dependent phosphorylation of sheep erythrocyte membrane on their ability to induce a humoral immune response] Novikova VM, et al. **Biull Eksp Biol Med** 1980 JUL;89(7):82-4 (Eng. Abstr.) **(Rus)**

[Phosphorylation of endogenous proteins of bovine retina rod outer segments] Fesenko EE, et al. **Mol Biol (Mosk)** 1980 Jul-Aug;14(4):787-94 (Eng. Abstr.) **(Rus)**

[Protein kinase activity of bovine retina rod outer segments] Fesenko EE, et al. **Mol Biol (Mosk)** 1980 Jul-Aug; 14(4):779-86 (Eng. Abstr.) **(Rus)**

[Calcium transport and role of 3',5'-AMP-dependent phosphorylation in its relation] Kurskiĭ MD. **Ukr Biokhim Zh** 1981 Mar-Apr;53(2):71-86 (67 ref.) (Eng. Abstr.) **(Rus)**

[3':5'-AMP-dependent phosphorylation of muscular membrane proteins and calcium transport] Kurskiĭ MD, et al. **Ukr Biokhim Zh** 1980 Jul-Aug;52(4):525-38 (92 ref.) (Eng. Abstr.) **(Rus)**

[Effect of nicotinic acid on chicken liver protein kinase activity and cAMP content] Shushevich SI, et al. **Ukr Biokhim Zh** 1981 Jan-Feb;53(1):101-5 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Regulation of guinea pig heart phosphorylase kinase by cAMP, protein kinase, and calcium. Hayes JS, et al. **Am J Physiol** 1981 Mar;240(3):E340-9

Mechanism of activation of cyclic GMP-dependent protein kinase from rat liver by multiple modulators. Mackenzie CW 3d, et al. **Biochim Biophys Acta** 1980 Dec 15; 633(3):444-56

Effects of vasodilator drugs, alkaline phosphatase, and cyclic AMP-dependent protein kinase on the 45calcium uptake of sarcolemmal microsomes from human umbilical arteries. Kreye VA, et al. **Br J Pharmacol** 1980 Dec;70(4):537-44

Regulation of protein synthesis in reticulocyte lysates. Characterization of the inhibitor generated in the postribosomal supernatant by heating at 44 degrees C. Bonanou-Tzedaki SA, et al. **Eur J Biochem** 1981; 114(1):69-77

A rapid method for the preparation of sarcolemmal vesicles from rat aorta, and the stimulation of calcium uptake into the vesicles by cyclic AMP-dependent protein kinase. Brockbank KJ, et al. **FEBS Lett** 1980 Dec 15;122(1):67-71

Soluble cyclic AMP-dependent protein kinases from chick liver: effects of NaCl and heat-stable modulator. Kwast-Welfeld J, et al. **Int J Biochem** 1981;13(3):373-9

Protein synthesis in rabbit reticulocytes. Purification and characterization of a double-stranded RNA-dependent protein synthesis inhibitor from reticulocyte lysates. Das HK, et al. **J Biol Chem** 1981 Jun 25;256(12):6491-5

Tyrosine hydroxylase: studies on the phosphorylation of a purified preparation of the brain enzyme by the cyclic AMP-dependent protein kinase. Edelman AM, et al. **J Pharmacol Exp Ther** 1981 Mar;216(3):647-53

PHYSIOLOGY

Regulation of translation. Ochoa S. **Arch Biol Med Exp (Santiago)** 1979 OCT;12(3):295-307 (24 ref.)

Involvement of a high-molecular-weight polyprotein translational product of Snyder-Theilen Feline sarcoma virus in malignant transformation. Reynolds FH Jr, et al. **J Virol** 1981 Feb;37(2):643-53

Inhibition of smooth muscle tension by cyclic AMP-dependent protein kinase. Kerrick WG, et al. **Nature** 1981 Jul 16;292(5820):253-5

Hot foot [news] Lloyd C. **Nature** 1980 Nov 6;288(5786):13-4

Tumor viruses and the kinase connection [news] Marx JL. **Science** 1981 Mar 20;211(4488):1336-8

Relationship between virion-associated kinase-effected phosphorylation and transcription activity of vesicular stomatitis virus. Witt DJ, et al. **Virology** 1980 Nov; 107(1):34-49

PROTEIN-LOSING ENTEROPATHIES

[Protein-losing enteropathies (letter)] Vega Franco L. **Bol Med Hosp Infant Mex** 1980 Nov-Dec;37(6):1280-2 **(Spa)**

BLOOD

Studies on gastrointestinal plasma protein loss in extensive skin disease. Worm AM. **Acta Derm Venereol (Stockh)** 1981; 61(1):73-5

COMPLICATIONS

Congenital hepatic fibrosis combined with protein-losing enteropathy and recurrent thrombosis. Pedersen PS, et al. **Acta Paediatr Scand** 1980 Jul;69(4):571-4

Intestinal lymphangiectasia in systemic lupus erythematosus. Pereira AS, et al. **Arq Gastroenterol** 1980 Oct-Dec; 17(4):210-2

Intestinal telangiectasis in Turner's syndrome. Rutlin E, et al. **Endoscopy** 1981 Mar;13(2):86-7

Congenital Letterer-Siwe disease associated with protein losing enteropathy. Tamura T, et al. **Eur J Pediatr** 1980 Oct;135(1):77-80

Resolution of longstanding protein-losing enteropathy in a patient with intestinal lymphangiectasia after treatment for malignant lymphoma. Broder S, et al. **Gastroenterology** 1981 Jan;80(1):166-8

Thrombocytopenia in allergic protein-losing gastroenteropathy. Report of an infant with Down's syndrome. Similä S, et al. **Paediatr Padol** 1981;16(3):373-6

DIAGNOSIS

Intestinal clearance of alpha 1-antitrypsin. A sensitive method for the detection of protein-losing enteropathy. Florent C, et al. **Gastroenterology** 1981 Oct;81(4):777-80

Primary intestinal lymphangiectasia. Comparison between endoscopic and radiological findings. Donzelli F, et al. **Helv Paediatr Acta** 1980 May;35(2):169-75

Fecal clearance of alpha 1-antitrypsin: a reliable measure of enteric protein loss in children. Hill RE, et al. **J Pediatr** 1981 Sep;99(3):416-8

[Hypertrophic exudative gastropathy in a child. A case report] Miano A, et al. **Helv Paediatr Acta** 1981;36(2):165-9 (Eng. Abstr.) **(Fre)**

[Enteral protein loss syndrome as a result of primary intestinal lymphangiectasis] Schmidt H, et al. **Med Klin** 1980 Nov 7;75(23):813-7 **(Ger)**

DIET THERAPY

[Diet therapy of intestinal lymphangiectasis] Kósnai I, et al. **Orv Hetil** 1980 Sep 28;121(39):2383-7 **(Hun)**

ETIOLOGY

Apparent protein-losing enteropathy associated with giardiasis. Sherman P, et al. **Am J Dis Child** 1980 Sep; 134(9):893-4

Transient protein-losing enteropathy and enlarged gastric rugae in childhood. Stillman AE, et al. **Am J Dis Child** 1981 Jan;135(1):29-33

Protein-losing enteropathy in the human and experimental rat blind-loop syndrome. King CE, et al. **Gastroenterology** 1981 Mar;80(3):504-9

Protein-losing enteropathy in a boy with systemic lupus erythematosus. Tsukahara M, et al. **J Pediatr** 1980 Nov; 97(5):778-80

The site of protein loss in Schönlein-Henoch purpura. Waller DG, et al. **Postgrad Med J** 1980 May;56(655):361-2

Protein-losing enteropathy after Fontan operation for tricuspid atresia (imperforate tricuspid valve). Crupi G, et al. **Thorac Cardiovasc Surg** 1980 Oct;28(5):359-63

[Post-operative acute muco-erosive jejuno-ileitis with protein-losing enteropathy: recovery after partial resection of the small intestine] Gerbal JL, et al. **Gastroenterol Clin Biol** 1980 Dec;4(12):881-7 (Eng. Abstr.) **(Fre)**

[A case of Menetrier's disease (author's transl)] André PP, et al. **Rev Med Brux** 1980 Nov;1(9):611-4 (Eng. Abstr.) **(Fre)**

[Enteral protein loss syndrome as a result of primary intestinal lymphangiectasis] Schmidt H, et al. **Med Klin** 1980 Nov 7;75(23):813-7 **(Ger)**

[Idiopathic intestinal lymphangiectasis with enteral albumin loss syndrome] Feltkamp H, et al. **Med Welt** 1980 Oct 17; 31(42):1504-5 **(Ger)**

[Protein-losing enteropathy with intestinal lymphangiectasia secondary to myxedema heart (author's transl)] Munakata Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1980 Aug; 77(8):1271-8 **(Jpn)**

FAMILIAL & GENETIC

D-2-hydroxyglutaric aciduria: case report and biochemical studies. Chalmers RA, et al. **J Inherited Metab Dis** 1980; 3(1):11-5

METABOLISM

Random fecal alpha-1-antitrypsin concentration in children with gastrointestinal disease. Thomas DW, et al. **Gastroenterology** 1981 Apr;80(4):776-82

Endogenous faecal calcium in chronic malabsorption syndromes and in intestinal lymphangiectasia. Nicolaidou P, et al. **Scand J Gastroenterol** 1980;15(5):587-92

[Intestinal clearance of alpha 1-antitrypsin and exudative enteropathy] Matuchansky C. **Gastroenterol Clin Biol** 1981 Feb;5(2):183-6 **(Fre)**

PATHOLOGY

Intestinal lymphangiectasia: clinical aspects and diagnostic contribution of endoscopic biopsies. Case report. Campos JV, et al. **Arq Gastroenterol** 1980 Oct-Dec;17(4):228-31

Protein-losing enteropathy in a patient with generalized Kaposi's sarcoma. Perrone V, et al. **Cancer** 1981 Feb 1; 47(3):588-91

Endoscopic and histopathological study on primary and secondary intestinal lymphangiectasia. Asakura H, et al. **Dig Dis Sci** 1981 Apr;26(4):312-20

Primary intestinal lymphangiectasia. Case report with radiological and ultrastructural study. Bujanover Y, et al. **Digestion** 1981;21(2):107-14

Synopsis of endoscopic and other morphological findings in intestinal lymphangiectasia. Riemann JF, et al. **Endoscopy** 1981 Mar;13(2):60-3

Intestinal lymphangiectasia: a case report. Banatwala NS, et al. **JPMA** 1980 Oct;30(10):231-4

[Primary (idiopathic) intestinal lymphangiectasis] Löffler A, et al. **Internist (Berlin)** 1981 Jul;22(7):449-52 (36 ref.) **(Ger)**

RADIOGRAPHY

Lymphatic abnormalities in protein-losing gastropathy, especially in Ménétrier's disease. Miura S, et al. **Angiology** 1981 May;32(5):345-54

VETERINARY

Protein-losing enteropathy in six macaques. Rodger RF, et al. **J Am Vet Med Assoc** 1980 Nov 1;177(9):863-6

PROTEIN LYSINE METHYLTRANSFERASE see under **PROTEIN METHYLTRANSFERASES**

PROTEIN METHYLASES see **PROTEIN METHYLTRANSFERASES**

PROTEIN O-METHYLTRANSFERASE see under **PROTEIN METHYLTRANSFERASES**

PROTEIN METHYLTRANSFERASES

ANTAGONISTS & INHIBITORS

Effect of 5'-methylthioadenosine on in vivo methyl esterification of human erythrocyte membrane proteins. Galletti P, et al. **FEBS Lett** 1981 Apr 20;126(2):236-40

erythro-9-[3-(2-Hydroxynonyl)]adenine is an inhibitor of sperm motility that blocks dynein ATPase and protein carboxylmethylase activities. Bouchard P, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):1033-6

BLOOD

Enzymatic carboxymethylation of the nicotinic acetylcholine receptor. Kloog Y, et al. **Biochem Biophys Res Commun** 1980 Dec 31;97(4):1474-80

METABOLISM

Stimulus-secretion coupling in exocrine pancreas: role of protein carboxyl methylation. Povilaitis V, et al. **Am J Physiol** 1981 Mar;240(3):G199-205

Protein carboxyl-methylase modifies calmodulin function. Gagnon C, et al. **Ann NY Acad Sci** 1980;356:385-6

In vitro methylation of calmodulin. Murtaugh TJ, et al. **Ann NY Acad Sci** 1980;356:412

Protein carboxymethylation: role in the regulation of cell functions. O'Dea RF, et al. **Biochem Pharmacol** 1981 Jun 1;30(11):1163-8 (65 ref.)

The methylation in vitro of myelin basic protein by arginine methylase from mouse spinal cord. Crang AJ, et al. **Biochem Soc Trans** 1980 Oct;8(5):611-2

The effects of ethionine administration and choline deficiency on protein carboxymethylase activity in mouse pancreas. Gilliland EL, et al. **Biochim Biophys Acta** 1981 Feb 5; 672(3):280-7

Protein methylation in Caldariella acidophila, an extreme thermo-acidophilic archaebacterium. Galletti P, et al. **FEBS Lett** 1981 Feb 9;124(1):62-6

Is protein carboxymethylation involved in stimulus-secretion coupling? Unger C, et al. **FEBS Lett** 1981 Jan 26; 123(2):211-4

In vitro methylation of bacterial chemotaxis proteins: characterization of protein methyltransferase activity in crude extracts of Salmonella typhimurium. Clarke S, et al. **J Supramol Struct** 1980;13(3):315-28

PROTEIN PHOSPHATASES see **PHOSPHOPROTEIN PHOSPHATASES**

PROTEIN PRECURSORS

see related
ENZYME PRECURSORS

Amino terminal sequence of porcine pre-beta-lactoglobulin. Comparison with its ovine counterpart. Mercier JC, et al. **Biochem Biophys Res Commun** 1980 Nov 28;97(2):802-10

Stepwise cleavage of the pro part of promelittin by dipeptidylpeptidase IV. Evidence for a new type of precursor--product conversion. Kreil G, et al. **Eur J Biochem** 1980 Oct;111(1):49-58

Two glycosylation sites on the N-terminal segment of porcine pars distalis pro-opiomelanocortin. Larivière N, et al. **FEBS Lett** 1980 Dec 29;122(2):279-82

The amino acid sequences of the prepeptides contained in the alpha and beta subunits of human choriogonadotropin. Birken S, et al. **J Biol Chem** 1981 Feb 25;256(4):1816-23

Amino acid sequence of the precursor of rat liver alpha 2 micro-globulin. Drickamer K, et al. **J Biol Chem** 1981 Apr 25;256(8):3634-6

Amino-terminal sequence analysis of alphavirus polypeptides. Welch WJ, et al. **J Virol** 1981 Jun; 38(3):968-72

Structural homologies between prealbumin, gastrointestinal prohormones and other proteins. Jörnvall H, et al. **Nature** 1981 May 21;291(5812):261-3

Partial amino acid sequences of the murine fourth component of complement (C4): demonstration of homology with human C4 and identification of the amino-terminal subunit in pro-C4. Parker KL, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4275-8

Conformational studies of the synthetic precursor-specific region of preproparathyroid hormone. Rosenblatt M, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):3983-7

The primary structure of porcine glicentin (proglucagon). Thim L, et al. **Regul Pept** 1981 May;2(2):139-50

ANALYSIS

A supposed immunohistochemical differentiation between neurophysin and its putative precursor. Wolf G. **Acta Histochem [Suppl] (Jena)** 1980;22:225-30

Radioimmunoassay for detecting Pro-Leu-enkephalins in tissue extracts: purification and identification of [Arg6]-Leu-enkephalin in porcine pituitary. Kangawa K, et al. **Biochem Biophys Res Commun** 1980 Aug 29; 95(4):1467-74

The complete amino acid sequence of alpha-neo-endorphin. Kangawa K, et al. **Biochem Biophys Res Commun** 1981 Apr 15;99(3):871-8

A new endogenous opioid peptide from bovine adrenal medulla: isolation and amino acid sequence of a dodecapeptide (BAM-12P). Mizuno K, et al. **Biochem Biophys Res Commun** 1980 Aug 29;95(4):1482-8

Purification and characterization of the N-terminal fragment of pro-opiomelanocortin from human pituitaries: homology to the bovine sequence. Seidah NG, et al. **Biochem Biophys Res Commun** 1980 Aug 29;95(4):1417-24

Rapid procedure for globin chain analysis in blood samples of normal and beta-thalassemic fetuses. Congote LF. **Blood** 1981 Feb;57(2):353-60

Human antithrombin III heterogeneity. Williams L, et al. **Blood** 1981 Feb;57(2):229-32

Two large glycoprotein fragments related to the NH2-terminal part of the adrenocorticotropin-beta-lipotropin precursor are the end products of the maturation process in the rat pars intermedia. Crine P, et al. **Can J Biochem** 1980 Nov; 58(11):1318-22

Immunochemical detection of vasopressin precursors: artificial processing and quantification along the hypothalamo-hypophysial axis. Cupo A, et al. **Eur J Biochem** 1981 Mar 16;115(1):169-74

Immuno-electron microscopical identification of the two types of intermediate filaments in established epithelial cells. Henderson D, et al. **Exp Cell Res** 1981 Apr; 132(2):297-311

Polyprotein processing of alphaviruses: N-terminal structural analysis of Semliki Forest virus proteins p62, E3 and ns70. Kalkkinen N, et al. **FEBS Lett** 1981 Apr 6;126(1):33-7

Isolation and characterization of desmosome-associated tonofilaments from rat intestinal brush border. Franke WW, et al. **J Cell Biol** 1981 Jul;90(1):116-27

High-performance liquid chromatography of myosin's subfragment 1 and light chains on Spherogel TSK-type columns. Toste AP. **J Chromatogr** 1980 Sep 19; 197(2):207-16

Two-dimensional electrophoretic analysis of encephalomyocarditis viral proteins. Churchill MA, et al. **J Virol** 1981 Mar;37(3):1103-6

Subunit structure of the reovirus spike. Ralph SJ, et al. **J Virol** 1980 Dec;36(3):894-6

Comparative analysis: intracellular precursor polyproteins of baboon endogenous retroviruses and human viral isolate HL23V. Whiteley SA, et al. **J Virol** 1981 Mar;37(3):860-70

Venoconstrictor activity of some precursor fractions of stable plasma protein solution. Horowitz JD, et al. **Vox Sang** 1980; 38(5):266-71

BIOSYNTHESIS

Processing of cricket paralysis virus induced polypeptides in Drosophila cells: production of high molecular weight polypeptides by treatment with iodoacetamide. Moore NF, et al. **Arch Virol** 1981;68(1):1-8

In vitro synthesis of adrenodoxin and adrenodoxin reductase: existence of a putative large precursor form of adrenodoxin. Nabi N, et al. **Biochem Biophys Res Commun** 1980 Nov

28;97(2):680–6
Cell-free synthesis of angler fish preproinsulin: complete amino acid sequence of the signal peptide. Shields D. **Biochem Biophys Res Commun** 1981 Jan 15;98(1):242–9
Identification of the mRNA coding for the ACTH-beta-lipotropin precursor in a human ectopic ACTH-producing tumor. Tsukada T, et al. **Biochem Biophys Res Commun** 1981 Jan 30;98(2):535–40
Studies on the biosynthesis of the other peptide hormones of the rat islets of Langerhans. Patzelt C, et al. **Biochem Soc Trans** 1980 Aug;8(4):411–3
Structure and biosynthesis of pro-adrenocorticotropin/endorphin and related peptides. Eipper BA, et al. **Endocr Rev** 1980 Winter;1(1):1–27 (186 ref.)
Calcium-regulated biosynthesis of the parathyroid secretory protein, proparathyroid hormone, and parathyroid hormone in dispersed bovine parathyroid cells. Moran JR, et al. **Endocrinology** 1981 Jun;108(6):2264–8
Biosynthesis of vasopressin, oxytocin, and neurophysins: isolation and characterization of two common precursors (propressophysin and prooxyphysin). Russell JT, et al. **Endocrinology** 1980 Dec;107(6):1880–91
Kinetics of synthesis and processing of precursor polypeptides of murine leukemia virus in frog oocytes following microinjection of viral RNA. Asselbergs FA, et al. **Eur J Biochem** 1980 Aug;109(2):395–403
The sequestration, processing and retention of honey-bee promelittin made in amphibian oocytes. Lane CD, et al. **Eur J Biochem** 1981 Jan;113(2):273–81
Synthesis and processing of Semliki Forest virus-specific nonstructural proteins in vivo and in vitro. Lehtovaara P, et al. **Eur J Biochem** 1980 Dec;112(3):461–8
Structure analysis and maturation of pro-opiomelanocortin in rat pars intermedia. Chrétien M, et al. **In: Ferring Symposium on Brain and Pituitary Peptides, Munich, 1979. Brain and pituitary peptides : Ferring Symposium on Brain and Pituitary Peptides, Munich, June 30–July 1, 1979, Basel : Karger, 1980. WL 300 F392b 1979.** pp.:1–11
Synthesis of Bacillus cereus spore coat protein. Aronson AI. **J Bacteriol** 1981 Jan;145(1):541–7
Cholera toxin is synthesized in precursor form on free polysomes in Vibrio cholerae 569B. Nichols JC, et al. **J Bacteriol** 1980 Nov;144(2):518–23
Phospholipid is required for the processing of presecretory proteins by detergent-solubilized canine pancreatic signal peptidase. Jackson RC, et al. **J Biol Chem** 1981 Mar 10; 256(5):2545–50
Processing in vivo of precursor maltose-binding protein in Escherichia coli occurs post-translationally as well as co-translationally. Josefsson LG, et al. **J Biol Chem** 1981 Mar 10;256(5):2504–7
Identical NH2-terminal amino acid sequence of the intrahepatic precursor and the secreted form of rat alpha 1-acid glycoprotein. Nagashima M, et al. **J Biol Chem** 1981 Mar 10;256(5):2091–3
In vitro biosynthesis of somatostatin. Evidence for two distinct preprosomatostatin molecules. Shields D. **J Biol Chem** 1980 Dec 25;255(24):11625–8
Synthesis and processing of glycoproteins gD and gC of herpes simplex virus type 1. Cohen GH, et al. **J Virol** 1980 Nov;36(2):429–39
Ultrastructural study of presumptive pro-opiocortin producing neurons in the rat hypothalamus. Bugnon C, et al. **Neuroscience** 1981;6(7):1299–313
Evidence for a higher molecular weight precursor of cholesterol side-chain-cleavage cytochrome P-450 and induction of mitochondrial and cytosolic proteins by corticotropin in adult bovine adrenal cells. DuBois RN, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):1028–32
Receptor-mediated transcellular transport of immunoglobulin: synthesis of secretory component as multiple and larger transmembrane forms. Mostov KE, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7257–61
In vitro synthesis of rat fibrinogen: identification of preA alpha, preB beta, and pre gamma polypeptides. Nickerson JM, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):303–7
Two adrenal opioid polypeptides: proposed intermediates in the processing of proenkephalin. Stern AS, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1962–6
Synthesis of glycoproteins in cells infected by the flavivirus Kunjin. Wright PJ, et al. **Virology** 1981 Mar;109(2):418–27
[Biochemistry of salmon pro-opiocortin related hormones--bi-prohormonal hypothesis (author's transl)] Kawauchi H. **Tanpakushitsu Kakusan Koso** 1981 Feb; 26(2):138–50 (79 ref.) **(Jpn)**

BLOOD

Glucagon-like immunoreactivity (GLI) in blood plasma of partially hepatectomized rats. Strecker W, et al. **Z Naturforsch [C]** 1981 May-Jun;36(5–6):464–5

CEREBROSPINAL FLUID

Characterisation of the pro opiocortin family of peptides in human cerebrospinal fluid. McLoughlin L, et al. **Neuroendocrinology** 1981 Apr;32(4):209–12

CHEMICAL SYNTHESIS

Synthesis of peptide analogues of prothrombin precursor sequence 5–9. Substrate specificity of vitamin K dependent carboxylase. Rich DH, et al. **J Med Chem** 1981 Jun; 24(6):706–11
Synthesis and biological actions of prosomatostatin. Meyers CA, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):6171–4
[Semisyntheses using proinsulin, II. Preparation and application of Nepsilon 29, Nepsilon 59-bis(methylsulfonylethoxycarbonyl)proinsulin (author's transl)] Büllesbach EE, et al. **Hoppe Seylers Z Physiol Chem** 1980 May;361(5):723–34 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

Identification of prekeratin by immunofluorescence staining in the differential diagnosis of tumors. Sieinski W, et al. **Hum Pathol** 1981 May;12(5):452–8

GENETICS

Expression of variant forms of proopiomelanocortin, the common precursor to corticotropin and beta-lipotropin in the rat pars intermedia. Crine P, et al. **Biochemistry** 1981 Apr 28;20(9):2475–81
Identification of the gene and mRNA for the adenovirus terminal protein precursor. Stillman BW, et al. **Cell** 1981 Feb;23(2):497–508
5'-terminal nucleotide sequence of the messenger RNA coding for bovine corticotropin/beta-lipotropin precursor. Inoue A, et al. **Eur J Biochem** 1981 Jan;113(3):531–9
Evidence for a signal sequence at the N terminus of the common precursor to adrenocorticothrophin and beta-lipotropin in mouse pituitary cells. Policastro P, et al. **Eur J Biochem** 1981 May 15;116(2):255–9
Nucleotide sequences of class-switch recombination region of the mouse immunoglobulin gamma 2b-chain gene. Takahashi N, et al. **Gene** 1980 Oct;11(1–2):117–27
Genetic and structural characterization of H-2-controlled allelic forms of murine C4. Parker KL, et al. **Immunogenetics** 1980 Jul;11(1):55–63
Use of formylated yeast initiator Met tRNA to define the NH2-terminal residues of rat preproinsulin and pregrowth hormone. Chan SJ, et al. **J Biol Chem** 1981 Apr 10; 256(7):3271–5
Messenger RNA sequence and primary structure of preproinsulin in a primitive vertebrate, the Atlantic hagfish. Chan SJ, et al. **J Biol Chem** 1981 Jul 25;256(14):7595–602
Intestinal pre-prosomatostatin. Identification of mRNA coding for a precursor by cell-free translations and hybridization with a cloned islet cDNA. Goodman RH, et al. **J Biol Chem** 1981 Feb 25;256(4):1499–501
Probable nuclear precursors of preprolactin mRNA in rat pituitary cells. Hoffman LM, et al. **J Biol Chem** 1981 Mar 25;256(6):2597–600
Procalcitonin is a glycoprotein. Jacobs JW, et al. **J Biol Chem** 1981 Mar 25;256(6):2803–7
Pancreatic pre-proglucagons are encoded by two separate mRNAs. Lund PK, et al. **J Biol Chem** 1981 Jul 10; 256(13):6515–8
Biosynthesis of plasma retinol-binding protein in liver as a larger molecular weight precursor. Soprano DR, et al. **J Biol Chem** 1981 Aug 25;256(16):8256–8
Purification and characterization of mRNA from soybean seeds. Identification of glycinin and beta-conglycinin precursors. Tumer NE, et al. **J Biol Chem** 1981 Aug 25; 256(16):8756–60
Most of the coding region of rat ACTH beta--LPH precursor gene lacks intervening sequences. Drouin J, et al. **Nature** 1980 Dec 11;288(5791):610–3
Cloning and sequence analysis of cDNAs encoding two distinct somatostatin precursors found in the endocrine pancreas of anglerfish. Hobart P, et al. **Nature** 1980 Nov 13;288(5787):137–41
The protein-coding sequence of the bovine ACTH-beta-LPH precursor gene is split near the signal peptide region. Nakanishi S, et al. **Nature** 1980 Oct 23; 287(5784):752–5
Mouse immunoglobulin genes: a bacterial plasmid containing the entire coding sequence for a pre-gamma 2a heavy chain. Auffray C, et al. **Nucleic Acids Res** 1980 Mar 25; 8(6):1231–41
Structural organization of human genomic DNA encoding the pro-opiomelanocortin peptide. Chang AC, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4890–4
Bacteriorhodopsin: partial sequence of mRNA provides amino acid sequence in the precursor region. Chang SH, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3398–402
Nucleotide sequence of a cloned structural gene coding for a precursor of pancreatic somatostatin. Goodman RH, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):5869–73
Expression of simian virus 40-rat preproinsulin recombinants in monkey kidney cells: use of preproinsulin RNA processing signals. Gruss P, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):133–7
Multiple mRNA species for the precursor to an adenovirus-encoded glycoprotein: identification and structure of the signal sequence. Persson H, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6349–53
Immunological identification of a common precursor to arginine vasopressin and neurophysin II synthesized by in vitro translation of bovine hypothalamic mRNA. Schmale H, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):766–9
Eukaryotic signal sequence transports insulin antigen in Escherichia coli. Talmadge K, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3369–73
Tissue-specific exposure of chromatin structure at the 5' terminus of the rat preproinsulin II gene. Wu C, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1577–80

IMMUNOLOGY

Anti-T antibody in malignant melanoma patients. Influence of response and survival following chemotherapy--changes in serum levels following C parvum, BCG immunization. Thatcher N, et al. **Cancer** 1980 Sep 15;46(6):1378–82
The bacterial factors which stimulate neutrophils may be derived from procaryote signal peptides. Bennett JP, et al. **FEBS Lett** 1980 Jul 11;116(1):57–61
Identification of poliovirus precursor proteins by immunoprecipitation. Vrijsen R, et al. **Virology** 1980 Dec; 107(2):567–9

ISOLATION & PURIFICATION

Isolation of human met-enkephalin and two groups of putative precursors (2K-pro-met-enkephalin) from an adrenal medullary tumour. Clement-Jones V, et al. **Biochem Biophys Res Commun** 1980 Jul 31;95(2):665–73
A new family of endogenous 'big' Met-enkephalins from bovine adrenal medulla: purification and structure of docosa- (BAM-22P) and eicosapeptide (BAM-20P) with very potent opiate activity. Mizuno K, et al. **Biochem Biophys Res Commun** 1980 Dec 31;97(4):1283–90
Characterization of polypeptide chains of epidermal prekeratin and reconstituted filaments. Matoltsy AG, et al. **Biochim Biophys Acta** 1981 Mar 27;668(1):160–6
Precursor proteins are intermediates in vivo in the synthesis of two major outer membrane proteins, the OmpA and OmpF proteins, of Escherichia coli K12. Crowlesmith I, et al. **Eur J Biochem** 1981 Jan;113(2):375–80
Isolation and characterization of a precursor form of the 'A' subunit of cholera toxin. Duffy LK, et al. **FEBS Lett** 1981 Apr 20;126(2):187–90
Purification and characterization of the entomocidal protoxin of Bacillus thuringiensis. Bulla LA Jr, et al. **J Biol Chem** 1981 Mar 25;256(6):3000–4
Identification of core protein, an intermediate in proteoglycan biosynthesis in cultured chondrocytes from the Swarm rat chondrosarcoma. Kimura JH, et al. **J Biol Chem** 1981 Aug 10;256(15):7890–7
Isolation of the fourth component of guinea pig complement and its single polypeptide chain precursor from plasma. Burge J, et al. **Mol Immunol** 1981 Jan;18(1):47–54
Isolation and structure of pro-somatostatin: a putative somatostatin precursor from pig hypothalamus. Schally AV, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4489–93
Viral polypeptides associated with the RNA replication complex in poliovirus-infected cells. Etchison D, et al. **Virology** 1980 Nov;107(1):135–42

METABOLISM

New perspectives in neuropeptides. Biosynthesis from large precursors. The pro-opio-melanocortin model in the pars intermedia. Chrétien M, et al. **Acta Psychiatr Belg** 1980 Sep-Oct;80(5):699–713
The effects of tris(hydroxymethyl)aminomethane and calcium ionophores on the biosynthesis of proparathormone and the formation and degradation of parathormone in bovine parathyroid tissue. McGregor DH, et al. **Am J Pathol** 1981 Mar;102(3):336–45
Calcium ion-protein interactions in prothrombin activation. Brenckle GM, et al. **Ann NY Acad Sci** 1981;370:366–77 (43 ref.)
Processing of influenza HA protein in MDCK cells: components with different mobilities in polyacrylamide gel electrophoresis and their precursor-product relationships. Sklyanskaya EI, et al. **Arch Virol** 1980;65(3–4):257–67
Biosynthesis of human calcitonin: evidence for a prohormone. Jullienne A, et al. **Biochem Biophys Res Commun** 1980 Aug 14;95(3):932–7
Processing of the precursor to adrenocorticotrophic hormone and beta-lipotropin in monolayer cultures of mouse anterior pituitary. Hinman MB, et al. **Biochemistry** 1980 Nov 11;19(23):5395–402
Big luteinizing hormone (BLH): possible precursor of native LH (NLH) in anterior pituitary glands of rats. Liu TC, et al. **Biol Reprod** 1981 Mar;24(2):380–92
Metabolic studies on human fibrinogen gamma/gamma' chain heterogeneity. Martinez J. **Blood** 1980 Sep;56(3):417–20
Suppressor mutations that restore export of a protein with a defective signal sequence. Emr SD, et al. **Cell** 1981 Jan; 23(1):79–88
Miscleavage at the presequence of rat preprolactin synthesized in pituitary cells incubated with a threonine analog. Hortin G, et al. **Cell** 1981 May;24(2):453–61
Secretion of beta-lactamase requires the carboxy end of the protein. Koshland D, et al. **Cell** 1980 Jul;20(3):749–60
Characterization of the conversion of a somatostatin precursor to somatostatin by islet secretory granules. Fletcher DJ, et al. **Diabetes** 1980 Aug;29(8):593–9
Evidence for transformation of glucagon-like immunoreactivity of gut into pancreatic glucagon in vivo. Korányi L, et al. **Diabetes** 1981 Sep;30(9):792–4
Different transport pathways of individual precursor proteins in mitochondria. Zimmermann R, et al. **Eur J Biochem** 1981 Jun 1;116(3):455–60
Opioid peptide precursors in striatum. Beaumont A, et al.

FEBS Lett 1980 Dec 15;122(1):135–7

A receptor for single segments of secretory proteins in rough endoplasmic reticulum membranes. Prehn S, et al. **FEBS Lett** 1981 Jan 12;123(1):79–84

Porcine pancreatic procolipase and its trypsin-activated form: lipid binding and lipase activation on monomolecular films. Wieloch T, et al. **FEBS Lett** 1981 Jun 15; 128(2):217–20

Subcellular fractionation studies on the post-translational processing of pro-adrenocorticotropic hormone/endorphin in rat intermediate pituitary. Glembotski CC. **J Biol Chem** 1981 Jul 25;256(14):7433–9

Transport of an uncleaved preprotein into the endoplasmic reticulum of rat pituitary cells. Hortin G, et al. **J Biol Chem** 1981 Feb 25;256(4):1491–4

Accumulation of the prolipoprotein of the Escherichia coli outer membrane caused by benzyloxycarbonylalanine chloromethyl ketone. Maeda T, et al. **J Biol Chem** 1981 May 25;256(10):4712–4

Turnover of cardiac troponin subunits. Kinetic evidence for a precursor pool of troponin-I. Martin AF. **J Biol Chem** 1981 Jan 25;256(2):964–8

Inhibition of islet prohormone to hormone conversion by incorporation of arginine and lysine analogs. Noe BD. **J Biol Chem** 1981 May 25;256(10):4940–6

A mechanism of protein localization: the signal hypothesis and bacteria. Emr SD, et al. **J Cell Biol** 1980 Sep; 86(3):701–11

Localization of a 16,000-dalton fragment of the common precursor of adrenocorticotropin and beta-lipotropin in the rat and human pituitary gland. Guy J, et al. **J Cell Biol** 1980 Sep;86(3):825–30

Coordinate, equimolar secretion of smaller peptide products derived from pro-ACTH/endorphin by mouse pituitary tumor cells. Mains RE, et al. **J Cell Biol** 1981 Apr; 89(1):21–8

Evidence for somatostatin precursors in human stomach, placenta, and amniotic fluid. Fitz-Patrick D, et al. **J Clin Endocrinol Metab** 1981 Aug;53(2):372–6

The effects of fasting and feeding on preproinsulin messenger RNA in rats. Giddings SJ, et al. **J Clin Invest** 1981 Apr; 67(4):952–60

Procoat, the precursor of M13 coat protein, inserts post-translationally into the membrane of cells infected by wild-type virus. Date T, et al. **J Virol** 1981 Mar; 37(3):1087–9

Structure and processing of the mouse mammary tumor virus glycoprotein precursor pr73env. Dickson C, et al. **J Virol** 1980 Aug;35(2):349–61

Effect of p15-associated protease from an avian RNA tumor virus on avian virus-specific polyprotein precursors. Moelling K, et al. **J Virol** 1980 Feb;33(2):680–88

Preproceruloplasmin is a primary product of cell-free translation of ceruloplasmin messenger RNA. Puchkova LV, et al. **Mol Cell Biochem** 1981 Mar 27;35(3):159–69

Evidence that glycosylation of pro-opiocortin and ACTH influences their proteolysis by trypsin and blood proteases. Loh YP, et al. **Mol Cell Endocrinol** 1980 Oct;20(1):35–44

A variant surface glycoprotein of Trypanosoma brucei synthesized with a C-terminal hydrophobic 'tail' absent from purified glycoprotein. Boothroyd JC, et al. **Nature** 1980 Dec 11;288(5791):624–6

Opioid peptides: search for the precursors [news] Brownstein MJ. **Nature** 1980 Oct 23;287(5784):678–9

Biosynthesis and processing of cellular and viral polyproteins [news] Herbert E. **Nature** 1980 Nov 13;288(5787):115–6

Relationship of glicentin to proglucagon and glucagon in the porcine pancreas. Moody AJ, et al. **Nature** 1981 Feb 5; 289(5797):514–6

Pathways to secretion. Newmark P. **Nature** 1979 Oct 25; 281(5733):629–30

Cell-free synthesis and processing of multiple precursors to glucagon. Shields D, et al. **Nature** 1981 Feb 5; 289(5797):511–4

Selective processing of beta-endorphin in regions of porcine pituitary. Smyth DG, et al. **Nature** 1980 Dec 11; 288(5791):613–5

Opiocortin peptides: localization, source and avenues of transport. de Kloet ER, et al. **Pharmacol Ther** 1981; 12(2):321–51 (193 ref.)

Identification of mitochondrial proteins and some of their precursors in two-dimensional electrophoretic maps of human cells. Anderson L. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2407–11

Procoat, the precursor of M13 coat protein, requires an electrochemical potential for membrane insertion. Date T, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4669–73

Mutant defective in processing of an enzyme located in the lysosome-like vacuole of Saccharomyces cerevisiae. Hemmings BA, et al. **Proc Natl Acad Sci USA** 1981 Jan; 78(1):435–9

Release of enkephalins and enkephalin-containing polypeptides from perfused beef adrenal glands. Kilpatrick DL, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7473–5

Cytoplasmically made subunits of yeast mitochondrial F1-ATPase and cytochrome c oxidase are synthesized as individual precursors, not as polyproteins. Lewin AS, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):3998–4002

Enkephalin biosynthetic pathway: proteins of 8000 and 14,000 daltons in bovine adrenal medulla. Lewis RV, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):5018–20

Processing of the precursor to corticotropin and beta-lipotropin in humans. Miller WL, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5211–5

Studies with [35S]methionine indicate that the 22,000-dalton [Met]enkephalin-containing protein in chromaffin cells is a precursor of [Met]enkephalin. Rossier J, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6889–91

In vitro biosynthesis of fish islet preprosomatostatin: evidence of processing and segregation of a high molecular weight precursor. Shields D. **Proc Natl Acad Sci USA** 1980 Jul; 77(7):4074–8

Bacteria mature preproinsulin to proinsulin. Talmadge K, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):3988–92

Formation of biologically active peptides. Steiner DF, et al. **Proc R Soc Lond [Biol]** 1980 Oct 29;210(1178):45–59

Gene for neuraminidase activity on mouse chromosome 17 near h-2: pleiotropic effects on multiple hydrolases. Womack JE, et al. **Science** 1981 Apr 3;212(4490):63–5

A cell-determined deficiency in the processing of gag proteins of murine leukemia virus 334C. Manly KF, et al. **Virology** 1981 Jan 30;108(2):462–73

Rous sarcoma virus precursor protein pr 76 is processed in avian sarcoma virus-transformed mammalian cells after fusion-injection of viral protein p 15. von der Helm K, et al. **Virology** 1980 Oct 30;106(2):310–6

PHARMACODYNAMICS

Somatostatin-28: selective action on the pancreatic beta-cell and brain. Brown M, et al. **Endocrinology** 1981 Jun; 108(6):2391–6

Effects of somatostatin-14 and somatostatin-28 on bombesin-stimulated release of gastrin, insulin, and glucagon in the dog. Vaysse N, et al. **Endocrinology** 1981 May;108(5):1843–7

Somatostatin 28: comparison with somatostatin 14 for plasma kinetics and low-dose effects on the exocrine pancreas in dogs. Vaysse N, et al. **Gastroenterology** 1981 Oct; 81(4):700–6

Synthetic pre-proparathyroid hormone leader sequence inhibits cell-free processing of placental, parathyroid, and pituitary prehormones. Majzoub JA, et al. **J Biol Chem** 1980 Dec 10;255(23):11478–83

Effect of N-terminal portion of pro-opiomelanocortin on aldosterone release by human adrenal adenoma in vitro. Lis M, et al. **J Clin Endocrinol Metab** 1981 Jun;52(6):1053–6

Action of prosomatostatin [letter] Bommelaer G, et al. **Lancet** 1981 Apr 25;1(8226):949

Effects of prosomatostatin on growth hormone and prolactin response to arginine in man. Comparison with somatostatin. Rodriguez-Arnao MD, et al. **Lancet** 1981 Feb 14; 1(8216):353–6

Circulating human pituitary pro-gamma-melanotropin enhances the adrenal response to ACTH. Al-Dujaili EA, et al. **Nature** 1981 May 14;291(5811):156–9

Selective effects of somatostatin-14, -25 and -28 on in vitro insulin and glucagon secretion. Mandarino L, et al. **Nature** 1981 May 7;291(5810):76–7

Gastrointestinal secretory, motor, circulatory, and metabolic effects of prosomatostatin. Konturek SJ, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1967–71

Evidence for homologous actions of pro-opiocortin products. Walker JM, et al. **Science** 1980 Dec 12; 210(4475):1247–9

PHYSIOLOGY

Studies on the follicle-stimulating hormone-releasing hormone and on prohypothalamic hormones. Folkers K, et al.
In: Ferring Symposium on Brain and Pituitary Peptides, Munich, 1979. Brain and pituitary peptides : Ferring Symposium on Brain and Pituitary Peptides, Munich, June 30-July 1, 1979, Basel : Karger, 1980. WL 300 F392b 1979. pp.:46–53

Chemistry and biosynthesis of pro-opiomelanocortin. ACTH, MSH's, endorphins and their related peptides. Chrétien M, et al. **Mol Cell Biochem** 1981 Jan 28;34(2):101–27 (232 ref.)

SECRETION

Production and release of thyrotropin and its subunits by monolayer cultures containing bovine anterior pituitary cells. Chin WW, et al. **Endocrinology** 1981 Feb; 108(2):387–94

Basal secretion of peptides derived from the ACTH/endorphin precursor by rat pituitary cells in culture. Eipper BA, et al.
In: Ferring Symposium on Brain and Pituitary Peptides, Munich, 1979. Brain and pituitary peptides : Ferring Symposium on Brain and Pituitary Peptides, Munich, June 30-July 1, 1979, Basel : Karger, 1980. WL 300 F392b 1979. pp.:12–20

PROTEINASES see **PEPTIDE PEPTIDOHYDROLASES**

PROTEINS

Inhibin. Setchell BP. **Acta Eur Fertil** 1980 Mar;11(1):87–93 (34 ref.)

The anatomy and taxonomy of protein structure. Richardson JS. **Adv Protein Chem** 1981;34:167–339 (299 ref.)

The link proteins of cartilage proteoglycan aggregates: structure and function. Baker JR, et al. **Ala J Med Sci** 1981 Jan;18(1):46–51

The adsorptive characteristics of proteins for polystyrene and their significance in solid-phase imunoassays. Cantarero LA, et al. **Anal Biochem** 1980 Jul 1;105(2):375–82

Measurements of the degradation products of radioiodinated proteins. Chisolm GM 3d, et al. **Anal Biochem** 1981 Mar 1;111(2):212–9

Critical values for testing the significance of amino acid composition indexes. Cornish-Bowden A. **Anal Biochem** 1980 Jul 1;105(2):233–8

Side reaction of methionine with 4-vinylpyridine during acid hydrolysis of modified proteins. Heukeshoven J. **Anal Biochem** 1980 Dec;109(2):421–5

Effect of different alkalies, temperature, and hydrolysis times on tryptophan determination of pure proteins and of foods. Lucas B, et al. **Anal Biochem** 1980 Nov 15;109(1):192–7

Analysis of adipimidate-crosslinked lysine. Ohara O, et al. **Anal Biochem** 1980 Sep 15;107(2):314–7

Modification of available arginine residues in proteins by p-hydroxyphenylglyoxal. Yamasaki RB, et al. **Anal Biochem** 1980 Nov 15;109(1):32–40

Protein folding. Rossmann MG, et al. **Annu Rev Biochem** 1981;50:497–532 (292 ref.)

Advances in protein sequencing. Walsh KA, et al. **Annu Rev Biochem** 1981;50:261–84 (206 ref.)

Some regularities of dynamic accessibility of buried fluorescent residues to external quenchers in proteins. Bushueva TL, et al. **Arch Biochem Biophys** 1980 Oct 1; 204(1):161–6

The relationship between molecular weight and quaternary structure of globular proteins. Llewellyn DJ, et al. **Arch Biochem Biophys** 1981 Mar;207(1):63–8

Influence of hetero-association on the precipitation of proteins by poly(ethylene glycol). Miekka SI, et al. **Arch Biochem Biophys** 1980 Sep;203(2):630–41

Possible role of accessibility of protein-SH groups to the cancer state. Knock FE. **Arch Geschwulstforsch** 1981; 51(1):75–9

Easily polarizable N+H...N hydrogen bonds between histidine side chains and proton translocation in proteins. Rastogi PP, et al. **Biochem Biophys Res Commun** 1980 Jul 31;95(2):902–8

The random character of protein evolution and its effects on the reliability of phylogenetic information deduced from amino acid sequences and compositions. Cornish-Bowden A. **Biochem J** 1980 Nov 1;191(2):349–54

Degradation of protein disulphide bonds in dilute alkali. Florence TM. **Biochem J** 1980 Sep 1;189(3):507–20

Interactions of basic polypeptides and proteins with calmodulin. Itano T, et al. **Biochem J** 1980 Sep 1; 189(3):455–9

13C n.m.r. study of unfolding and motion in small proteins. Howarth OW. **Biochem Soc Trans** 1980 Oct;8(5):634–5

Determination of protein--ligand equilibria by difference spectroscopy. Hemerythrin--ligand thermodynamic studies. Gorman EG, et al. **Biochemistry** 1981 Jan 6; 20(1):38–43

Information content in the circular dichroism of proteins. Hennessey JP Jr, et al. **Biochemistry** 1981 Mar 3; 20(5):1085–94

Photoaffinity labeling of mitochondrial adenosine triphosphatase by an azido derivative of the natural adenosine triphosphate inhibitor. Klein G, et al. **Biochemistry** 1981 Mar 3;20(5):1339–44

Fragmentation of proteins with o-iodosobenzoic acid: chemical mechanism and identification of o-iodoxybenzoic acid as a reactive contaminant that modifies tyrosyl residues. Mahoney WC, et al. **Biochemistry** 1981 Jan 20; 20(2):443–8

Thermodynamics of protein association reactions: forces contributing to stability. Ross PD, et al. **Biochemistry** 1981 May 26;20(11):3096–102

Ordered conformation of polypeptides and proteins in acidic dodecyl sulfate solution. Wu CS, et al. **Biochemistry** 1981 Feb 3;20(3):566–70

Electrochemical behaviour of proteins at graphite electrodes. I. Electrooxidation of proteins as a new probe of protein structure and reactions. Brabec V, et al. **Biochim Biophys Acta** 1980 Sep 23;625(1):43–50

A novel preparation of immunoadsorbents. Controlled coupling of proteins to Sepharose-gelatin by heterobifunctional reagent. Habeeb AF. **Biochim Biophys Acta** 1981 Apr 3;673(4):527–38

Hydrophobicity determined by a fluorescence probe method and its correlation with surface properties of proteins. Kato A, et al. **Biochim Biophys Acta** 1980 Jul 24;624(1):13–20

The 'knotting' problem in proteins. Loop penetration. Klapper MH, et al. **Biochim Biophys Acta** 1980 Nov 20; 626(1):97–105

Modulation of the epsilon-(gamma-glutamic)lysine cross-link in cellular proteins. I. In vivo and in vitro studies. Loewy AG, et al. **Biochim Biophys Acta** 1981 Mar 27; 668(1):167–76

Incorporation of hydrophilic protein modified with hydrophobic agent into liposome membrane. Torchilin VP, et al. **Biochim Biophys Acta** 1980 Nov 18;602(3):511–21

Interaction of divalent cations and proteins with phospholipid vesicles. Wagner S, et al. **Biochim Biophys Acta** 1980 Aug 4;600(2):367–75

Use of nuclear Overhauser effect in the study of peptides and proteins. Roques BP, et al. **Biochimie** 1980; 62(11-12):753–73 (148 ref.)

Quantitative evaluation of water structuring and protein

adsorption on the surface of hydrophilic polymers by ESCA. Gilding DK, et al. **Biomaterials** 1980 Jul;1(3):163
Electrical stimulation with Pt electrodes. V. The effect of protein on Pt dissolution. Robblee LS, et al. **Biomaterials** 1980 Jul;1(3):135–9
Lanthanide probes in biological systems: characterization of luminescence excitation spectra of terbium complexes with proteins. De Jersey J, et al. **Biophys Chem** 1981 Jun; 13(3):233–43
Dynamical deductions from nuclear magnetic resonance relaxation measurements at the water–protein interface. Bryant RG, et al. **Biophys J** 1980;32(1):3–16
Movement and self–control in protein assemblies. Quasi–equivalence revisited. Caspar DL. **Biophys J** 1980; 32(1):103–38
Conservation of chain reversal regions in proteins. Chou PY, et al. **Biophys J** 1979 Jun;26(3):385–99
Solvent effects and polar interactions in the structural stability and dynamics of globular proteins. Finney JL, et al. **Biophys J** 1980;32(1):17–33
Nanosecond segmental mobilities of tryptophan residues in proteins observed by lifetime–resolved fluorescence anisotropies. Lakowicz JR, et al. **Biophys J** 1980; 32(1):591–601
Solvent accessibility, protein surfaces, and protein folding. Lesk AM, et al. **Biophys J** 1980;32(1):35–47
A general multistate model for the analysis of hydrogen–exchange kinetics. Krishna NR, et al. **Biopolymers** 1980 Nov;19(11):2003–20
Electrical membrane phenomena in spherules from proteinoid and lecithin. Ishima Y, et al. **Biosystems** 1981;13(4):243–51
Analysis of fluorescence quenching data by the method of Levine. Parsons DL. **Clin Chem** 1980 Dec;26(13):1869–71
The internal dynamics of globular proteins. Karplus M, et al. **CRC Crit Rev Biochem** 1981;9(4):293–349 (237 ref.)
Systematic application of two–dimensional 1H nuclear–magnetic–resonance techniques for studies of proteins. 1. Combined use of spin–echo–correlated spectroscopy and J–resolved spectroscopy for the identification of complete spin systems of non–labile protons in amino–acid residues. Nagayama K, et al. **Eur J Biochem** 1981 Feb;114(2):365–74
p–Toluenesulfonyl chloride as an activating agent of agarose for the preparation of immobilized affinity ligands and proteins. Nilsson K, et al. **Eur J Biochem** 1980 Nov; 112(2):397–402
Modification of epsilon–amino group of lysine in proteins by acylation with pyromellitic dianhydride and o–sulphobenzoic anhydride. Bagree A, et al. **FEBS Lett** 1980 Nov 3;120(2):275–7
Molar absorptivity and A(1%)(1 cm) values for proteins at selected wavelengths of the ultraviolet and visible regions – XIX. Kirschenbaum DM. **Int J Biochem** 1981; 13(5):621–36
Preparation of protein conjugates with alkoxypolyethylene glycols. King TP, et al. **Int J Pept Protein Res** 1980 Aug; 16(2):147–55
Complete amino acid sequence of a major secretory protein from rat seminal vesicle. Pan YC, et al. **Int J Pept Protein Res** 1980 Aug;16(2):143–6
Monitoring of detergent binding to amphiphilic proteins by means of micelles containing the hydrophobic dye Sudan Black B. Bjerrum OJ, et al. **J Biochem Biophys Methods** 1980 Dec;3(6):355–66
13C NMR analysis of methionine sulfoxide in protein. Cohen JS, et al. **J Biochem Biophys Methods** 1979 Jul;1(3):145–51
Stepwise immobilization of proteins via their glycosylation. Gemeiner P, et al. **J Biochem Biophys Methods** 1981 Jun; 4(5–6):309–19
The protein sequenator: a new extraction principle and a metal reaction cup. Inglis AS, et al. **J Biochem Biophys Methods** 1981 Jun;4(5–6):279–85
Fluorescence spectroscopic investigations of the dynamic properties of proteins, membranes and nucleic acids. Lakowicz JR. **J Biochem Biophys Methods** 1980 Jan–Feb; 2(1):91–119 (97 ref.)
A high–speed, quasi–isocratic high–pressure liquid chromatography system for protein sequence analysis. Zalut C, et al. **J Biochem Biophys Methods** 1980 Mar; 2(3):155–61
Spectroscopic characterization of alpha–crustacyanin. Lee TY, et al. **J Biochem (Tokyo)** 1980 Sep;88(3):663–8
In vitro filament formation of a new fiber–forming protein from Tetrahymena pyriformis. Numata O, et al. **J Biochem (Tokyo)** 1980 Nov;88(5):1505–14
Stabilization of proteins by guanidination. Cupo P, et al. **J Biol Chem** 1980 Nov 25;255(22):10828–33
The effects of neutral salts on the stability of macromolecules. A new approach using a protein–ligand binding system. Damodaran S, et al. **J Biol Chem** 1981 Apr 10;256(7):3394–8
The specificity of proanthocyanidin–protein interactions. Hagerman AE, et al. **J Biol Chem** 1981 May 10; 256(9):4494–7
A gas–liquid solid phase peptide and protein sequenator. Hewick RM, et al. **J Biol Chem** 1981 Aug 10;256(15):7990–7
Dynamics of linear protein polymer disassembly. Kristofferson D, et al. **J Biol Chem** 1980 Sep 25; 255(18):8567–72
Resolution of heterogeneous fluorescence from proteins and aromatic amino acids by phase–sensitive detection of fluorescence. Lakowicz JR, et al. **J Biol Chem** 1981 Jun 25;256(12):6348–53
Preferential solvent interactions between proteins and polyethylene glycols. Lee JC, et al. **J Biol Chem** 1981 Jan 25;256(2):625–31
The stabilization of proteins by sucrose. Lee JC, et al. **J Biol Chem** 1981 Jul 25;256(14):7193–201
Reappraisal of the binding processes of N–(3–pyrene)maleimide as a fluorescent probe of proteins. Lux B, et al. **J Biol Chem** 1981 Feb 25;256(4):1767–71
Nuclear non–chromatin proteinaceous structures: their role in the organization and function of the interphase nucleus. Agutter PS, et al. **J Cell Sci** 1980 Aug;44:395–435 (250 ref.)
New methodology for the rapid detection of protein degradation in activated sludge. Fahey JW, et al. **J Environ Sci Health [B]** 1981;16(1):67–73
Identification and characterization of protein antigens of Leishmania tropica isolates. Handman E, et al. **J Immunol** 1981 Feb;126(2):508–12
Monoclonal and allospecific H–2Kk antisera precipitate a high molecular weight protein. Hunter FA, et al. **J Immunol** 1980 Nov;125(5):2295–8
Kinetic analysis of biphasic protein modification reactions. Rakitzis ET. **J Math Biol** 1980 Aug;10(1):79–87
Determination of protein secondary structure in solution by vacuum ultraviolet circular dichroism. Brahms S, et al. **J Mol Biol** 1980 Apr;138(2):149–78
Small–angle neutron scattering study of the association between porcine pancreatic colipase and taurodeoxycholate micelles. Charles M, et al. **J Mol Biol** 1980 May 25; 139(3):297–317
Experimental evaluation of the effective dielectric constant of proteins. Rees DC. **J Mol Biol** 1980 Aug 15;141(3):323–6
Some evidence for the universality of structural periodicity in proteins. Ivanov OC, et al. **J Mol Evol** 1980 Sep; 16(1):47–68
Entrapment of proteins as disulphide cross–linked thiolated macromolecules within cross–linked dextran ('Sephadex')gels. Alwan SM, et al. **J Pharm Pharmacol** 1981 Jun;33(6):410–1
Characterisation of the soluble fraction of human syncytiotrophoblast microvillous plasma membrane–associated proteins. Ogbimi AO, et al. **J Reprod Immunol** 1979 JUL;1(2):127–40
Evidence for remnants of an ordered codon sequence and a restricted codon composition in selected proteins. Brown AP. **J Theor Biol** 1980 Apr 21;83(4):537–60
The thermodynamics of water–protein interactions. Bryan WP. **J Theor Biol** 1980 Dec 21;87(4):639–61
The analysis of globular proteins as defect containing cylindrical crystals. Chandler HD, et al. **J Theor Biol** 1980 May 21;84(2):311–34
Model calculation on DNA–protein interaction. Day R, et al. **J Theor Biol** 1980 Jun 21;84(4):651–3
Preparation of unstained protein structures for mass determination by electron scattering. Engel A, et al. **J Ultrastruct Res** 1980 Aug;72(2):212–22
Recognition of nucleic acids and chemically–damaged DNA by peptides and protein. Helene C. **Mol Biol Biochem Biophys** 1980;32:241–9
Contact–site cross–linking agents. Kunkel GR, et al. **Mol Cell Biochem** 1981 Jan 20;34(1):3–13 (104 ref.)
Structural homologies between prealbumin, gastrointestinal prohormones and other proteins. Jörnvall H, et al. **Nature** 1981 May 21;291(5812):261–3
Hydrophobic affinity chromatography of nucleic acids and proteins. Cashion P, et al. **Nucleic Acids Res** 1980 Mar 11;8(5):1167–85
The emergence of man: information from protein systems. Jope EM. **Philos Trans R Soc Lond [Biol]** 1981 May 8; 292(1057):121–31 (64 ref.)
Optimal imaging techniques in the scanning transmission electron microscope: applications to biological macromolecules. Ohtsuki M, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4051–4
Nucleic acids–protein interactions: structural studies by x–ray diffraction and model building. Kim SH. **Prog Clin Biol Res** 1980;40:311–7
Similarities of protein topologies: evolutionary divergence, functional convergence or principles of folding? Ptitsyn OB, et al. **Q Rev Biophys** 1980 Aug;13(3):339–86 (127 ref.)
Nonenzymatic browning in vivo: possible process for aging of long–lived proteins. Monnier VM, et al. **Science** 1981 Jan 30;211(4481):491–3
The elastic properties of rubber–like proteins and highly extensible tissues. Gosline JM. **Symp Soc Exp Biol** 1980; 34:332–57
Pancreatic duct obstruction with prolamine solution. Land W, et al. **Transplant Proc** 1980 Dec;12(4 Suppl 2):72–5
The evolution of protein structure and function. A symposium in honor of Professor Emil L. Smith. **UCLA Forum Med Sci** 1979;(21):1–350
Thermal stability and protein structure. Argos P, et al. **UCLA Forum Med Sci** 1979;(21):159–69
Some aspects concerning conformation of polypeptide chains in proteins. Gieren A, et al. **Z Naturforsch [C]** 1980 Sep–Oct;35(9–10):741–6
[Structural dynamics of proteins and their functions] Douzou P. **C R Soc Biol (Paris)** 1980;174(4):574–83 (Eng. Abstr.) **(Fre)**
[Interpretation of the Mössbauer effect in proteins] Kiliachkov AA, et al. **Biofizika** 1980 Nov–Dec;25(6):981–3 (Eng. Abstr.) **(Rus)**
[Mössbauer effect, conformational mobility and moisture content of proteins] Shaitan KV, et al. **Biofizika** 1981 Mar–Apr;26(2):228–32 (Eng. Abstr.) **(Rus)**
[Use of triplet state exchange disactivation phenomenon for the study of structure and electron conductivity of proteins] Kotel'nikov AI, et al. **Mol Biol (Mosk)** 1981 Mar–Apr; 15(2):281–9 (Eng. Abstr.) **(Rus)**
[Empirical correlations between amino acid sequence and three dimensional structure of proteins] Popov EM. **Mol Biol (Mosk)** 1980;14(1):35–63 (199 ref.) (Eng. Abstr.) **(Rus)**
[Nomographic representation of McLachlan's statistics for the analysis of local similarity between amino acid sequence] Pozdniakov VI, et al. **Mol Biol (Mosk)** 1980; 14(1):136–46 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Recovery of the in vivo cytotoxic T–cell response in cyclophosphamide–treated mice by injection of mixed–lymphocyte–culture supernatants. Merluzzi VJ, et al. **Cancer Res** 1981 Sep;41(9 Pt 1):3663–5
Endoscopic duct obstruction in severe chronic pancreatitis. Roesch W, et al. **Gastrointest Endosc** 1981 May;27(2):49–51
DNA, liposomes, and proteins as carriers for antitumoral drugs. Trouet A, et al. **Recent Results Cancer Res** 1980; 75:229–35

ANALYSIS

Total protein concentrations in human amniotic fluid from normal and twin pregnancies. Parihar MS, et al. **Acta Biol Med Ger** 1980;39(6):741–3
A microscope photometric method for the determination of proteins in solutions and homogenates at the nanogram level. Wolf G, et al. **Acta Biol Med Ger** 1980; 39(11–12):1243–5
On the presence of 'prostatic secretion protein' in different species. Pousette A, et al. **Acta Chem Scand [B]** 1980; 34(2):155–6
Protein composition in single follicles, homogenates and fine–needle aspiration biopsies from normal and diseased human thyroid. Anderberg B, et al. **Acta Endocrinol (Copenh)** 1981 Mar;96(3):328–34
The cytospectrophotometrical determination of proteins by the tetrazonium coupling reaction. II. Calibration of the staining method. Nöhammer G, et al. **Acta Histochem (Jena)** 1981;68(1):103–10
Some aspects of labelling of proteins with colloidal gold. Warchol JB, et al. **Acta Med Pol** 1980;21(4):413–4
Soluble brain proteins in dialysis encephalopathy. Hindfelt B, et al. **Acta Neuropathol (Berl)** 1980;50(3):241–4
Analysis of proteins of the stria vascularis of the normal and the waltzing guinea pig. Wenthold RJ, et al. **Acta Otolaryngol (Stockh)** 1980;90(1–2):66–73
Structural and topological studies of cholesteatoma proteins, in relation to the keratinization process. Gillis E, et al. **Acta Otorhinolaryngol Belg** 1980;34(1):23–33
Effects of dietary restriction on myocardial composition. Harris P. **Adv Myocardiol** 1980;2:31–8
The use and limitations of laser nephelometry. Bergmann KC, et al. **Allergol Immunopathol (Madr)** 1981 Jan–Feb; 9(1):55–62 (29 ref.)
Quantitative analysis of electrophoretograms: a mathematical approach to super–resolution. Agard DA, et al. **Anal Biochem** 1981 Mar 1;111(2):257–68
Techniques for reproducible transient–state isoelectric focusing of human pancreatic secretory proteins with computer–assisted pattern matching, averaging, and analysis. Allan BJ, et al. **Anal Biochem** 1981 May 1; 113(1):1–12
Staining protein in isoelectric focusing gels with fast green. Allen RE, et al. **Anal Biochem** 1980 May 15;104(2):494–8
Synthesis of methyl[3H]acetimidate of high specific radioactivity, a reagent for radiolabeling proteins. Armstrong J, et al. **Anal Biochem** 1980 Dec;109(2):410–3
Second–derivative spectroscopy of proteins: studies on tyrosyl residues. Balestrieri C, et al. **Anal Biochem** 1980 Jul 15;106(1):49–54
Two–dimensional isoelectric focusing/sodium dodecyl sulfate gel electrophoresis of protein mixtures containing active or potentially active proteases: analysis of human exocrine pancreatic proteins. Bieger W, et al. **Anal Biochem** 1980 Dec;109(2):222–30
Electrophoretic transfer of proteins and nucleic acids from slab gels to diazobenzyloxymethyl cellulose or nitrocellulose sheets. Bittner M, et al. **Anal Biochem** 1980 Mar 1;102(2):459–71
Measurement of protein by dye–binding assay in the presence of metrizamide. Gogstad GO. **Anal Biochem** 1980 Aug; 106(2):524–8
High–performance liquid chromatography of proteins by gel permeation chromatography. Jenik RA, et al. **Anal Biochem** 1981 Feb;111(1):184–8
Protein labeling by reductive methylation with sodium cyanoborohydride: effect of cyanide and metal ions on the reaction. Jentoft N, et al. **Anal Biochem** 1980 Jul 15; 106(1):186–90
Model study on the fate of lipophilic materials incorporated into sodium dodecyl sulfate––protein polypeptide complexes in sodium dodecyl sulfate––polyacrylamide gel electrophoresis. Kubo K, et al. **Anal Biochem** 1980 Jun; 105(1):188–91

Use of gel chromatography for determination of size and molecular weight of proteins: further caution. le Maire M, et al. **Anal Biochem** 1980 Jul 15;106(1):12–21

Multiple immunoreplica Technique: screening for specific proteins with a series of different antibodies using one polyacrylamide gel. Legocki RP, et al. **Anal Biochem** 1981 Mar 1;111(2):385–92

Removal of sulfhydryl groups with 1,3,4,6-tetrachloro-3a, 6a- diphenylglycoluril: application to the assay of protein in the presence of thiol reagents. McClard RW. **Anal Biochem** 1981 Apr;112(2):278–81

A simplified ultrasensitive silver stain for detecting proteins in polyacrylamide gels. Oakley BR, et al. **Anal Biochem** 1980 Jul 1;105(2):361–3

An apparatus for rapidly preparing protein samples for hydrolysis. Phillips RD. **Anal Biochem** 1981 May 1; 113(1):102–7

A method for detecting nanogram amounts of proteins on sodium dodecyl sulfate--polyacrylamide gels. Shing YW, et al. **Anal Biochem** 1981 Jan 1;110(1):171–5

Detection of basic proteins and low molecular weight peptides in polyacrylamide gels by formaldehyde fixation. Steck G, et al. **Anal Biochem** 1980 Sep 1;107(1):21–4

Hydrogen--deuterium exchange study of amino acids and proteins by 200- to 230-nm spectroscopy. Takahashi T, et al. **Anal Biochem** 1981 Jan 1;110(1):242–9

Fluorometric identification and microdetermination of proteins labeled with 4-(3'-phenyl-2'-pyrazolin-1'-yl)benzenesulfonyl chloride in polyacrylamide gel matrices. Tshabalala MA, et al. **Anal Biochem** 1981 Mar 1;111(2):343–56

Computer analysis of two-dimensional gels. Vo KP, et al. **Anal Biochem** 1981 Apr;112(2):258–71

An absolute method for protein determination based on difference in absorbance at 235 and 280 nm. Whitaker JR, et al. **Anal Biochem** 1980 Nov 15;109(1):156–9

Comparative peptide mapping at the nanomole level. Whittaker RG, et al. **Anal Biochem** 1981 Jan 1;110(1):56–60

Colorimetric determination of arginine residues in proteins by p-nitrophenylglyoxal. Yamasaki RB, et al. **Anal Biochem** 1981 Mar 1;111(2):220–6

Quantitative measurement of protein mass and radioactivity in N,N'-diallyltartardiamide crosslinked polyacrylamide slab gels. Young RB, et al. **Anal Biochem** 1980 Oct; 108(1):202–6

Dye-binding assay for protein solubilized in the presence or absence of sodium dodecyl sulfate. Zaman Z, et al. **Anal Biochem** 1980 Dec;109(2):454–9

Studies on the origin and nature of seminal proteins by cellulose acetate electrophoresis. Clavert A, et al. **Andrologia** 1980 Jul-Aug;12(4):338–44

A new component in protein fluorescence. Longworth JW. **Ann NY Acad Sci** 1981;366:237–45

Measurement of inhibin. Moodbidri SB, et al. **Arch Androl** 1980 Dec;5(4):295–303

Inhibin in the human prostate. Sheth AR, et al. **Arch Androl** 1981 Jun;6(4):317–21

Protein Hydration: a sucrose probe. Bull HB. **Arch Biochem Biophys** 1981 Apr 15;208(1):229–32

A near-infrared method for studying hydration changes in aqueous solution: illustration with protease reactions and protein denaturation. Vandermeulen DL, et al. **Arch Biochem Biophys** 1980 Nov;205(1):180–90

Analysis of epidermal fibrous proteins in inflammatory linear verrucous epidermal nevus. Adrian RM, et al. **Arch Dermatol** 1980 Oct;116(10):1179–80

An improved assay for interleukin 2 (lymphocyte growth factor) produced by mitogen-activated lymphocytes. Lafferty KJ, et al. **Aust J Exp Biol Med Sci** 1980 Dec; 58(6):533–44

Characterization of the link protein from bovine epiphyseal plate. Amadio PC, et al. **Biochem Biophys Res Commun** 1980 Aug 29;95(4):1695–702

Evidence for the existence of two isocolipases in horse pancreas. Julien R, et al. **Biochem Biophys Res Commun** 1980 Aug 14;95(3):1245–52

Laser photo-CIDNP NMR of pyridoxal phosphate and pyridoxyllysine residues: an extrinsic probe for non-aromatic amino acid residues in proteins. Lerman CL, et al. **Biochem Biophys Res Commun** 1980 Nov 17; 97(1):121–5

Studies of the identity of the unknown in protein hydrolysates. Paik WK, et al. **Biochem Biophys Res Commun** 1980 Nov 17;97(1):8–16

Intermediate filaments: analysis of filamentous aggregates induced by griseofulvin, an antitubulin agent. Tinberg HM. **Biochem Biophys Res Commun** 1981 Mar 31;99(2):458–65

Ultracentrifuge studies of interactions and equilibria: impact of interactive computer modelling. Gilbert GA, et al. **Biochem Soc Trans** 1980 Oct;8(5):520–2

Electrophoretic analysis of basal body (centriole) proteins. Anderson RG, et al. **Biochemistry** 1980 Nov 25; 19(24):5625–31

Major proteins secreted by the epididymis of Lacerta vivipara. Identification by electrophoresis of soluble proteins. Depeiges A, et al. **Biochim Biophys Acta** 1981 Feb 27;667(2):260–6

Polynomial representation of digital spectrophotometric data of amino acids and proteins. Horne DS, et al. **Biochim Biophys Acta** 1980 Sep 23;625(1):18–27

A specific stain for sulfhydryl groups in proteins after separation by polyacrylamide gel electrophoresis. Telser A, et al. **Biochim Biophys Acta** 1980 Aug 21;624(2):363–71

Distribution and site of production of specific proteins in the rat epididymis. Kohane AC, et al. **Biol Reprod** 1980 Aug;23(1):181–7

Human uterine luminal fluid proteins associated with secretory phase endometrium: progesterone-induced products? Sylvan PE, et al. **Biol Reprod** 1981 Mar; 24(2):423–9

Gas chromatographic mass spectrometric sequencing of peptides and proteins containing gamma-carboxyglutamic acid. Carr SA, et al. **Biomed Mass Spectrom** 1980 Apr; 7(4):172–8

A novel protein of rat neutrophils (NDP): its use in estimating the neutrophil content of solid tissues. Darcy DA, et al. **Br J Exp Pathol** 1981 Apr;62(2):190–9

Adrenal-seminal-pituitary protein levels in maternal serum and amniotic fluid. Etheridge RJ, et al. **Br J Obstet Gynaecol** 1980 Apr;87(4):305–7

A protein in urine associated with muscle disease and muscle damage. Frearson N, et al. **Br Med J [Clin Res]** 1981 Jun 20;282(6281):2002–3

A rapid assay for the examination of protein degradation in soils. Caplan JA, et al. **Bull Environ Contam Toxicol** 1980 Sep;25(3):424–6

Comparison of three methods for protein measurement: application to bronchoalveolar lavage fluids. Scharfman A, et al. **Bull Physiopathol Respir (Nancy)** 1980 Nov-Dec; 16(6):785–9

Human pancreatic cancer: analysis of proteins contained in pancreatic juice by two-dimensional isoelectric focusing/sodium dodecyl sulfate gel electrophoresis. Scheele GA. **Cancer** 1981 Mar 15;47(6 Suppl):1513–5

Transformation-sensitive protein with molecular weight of 45,000 secreted by mouse fibroblasts. Tarone G, et al. **Cancer Res** 1981 Sep;41(9 Pt 1):3648–52

Molecular analysis of cytoplasmic microtubules in situ: identification of both widespread and specific proteins. Duerr A, et al. **Cell** 1981 Apr;24(1):203–11

Proteins associated with poly(A) and other regions of mRNA and hnRNA molecules as investigated by crosslinking. Setyono B, et al. **Cell** 1981 Jun;24(3):775–83

Characterization of a nucleolar residue fraction that specifically transcribes preribosomal RNA. Ballal NR, et al. **Cell Biol Int Rep** 1980 Nov;4(11):997–1007

High molecular weight protein MAP 2 promoting microtubule assembly in vitro is associated with microtubules in cells. Kuznetsov SA, et al. **Cell Biol Int Rep** 1980 Nov;4(11):1017–24

Disc electrophoretic studies of hookworms: preliminary comparison of protein fraction in adult Necator americanus, Ancylostoma duodenale and Ancylostoma caninum. Wang FL, et al. **Chin Med J [Engl]** 1980 Dec;93(12):857–60

Data-base techniques for multiple two-dimensional polyacrylamide gel electrophoresis analyses. Lipkin LE, et al. **Clin Chem** 1980 Sep;26(10):1403–12

Human saliva and semen: evidence for proteins common to both which do not occur in serum. Eckersall PD, et al. **Clin Sci** 1981 Feb;60(2):179–84

Normal urinary protein composition in the female Wistar rat and its relationship to the proteinuria induced by intraperitoneal bovine albumin. Lawrence GM, et al. **Clin Sci** 1981 Jun;60(6):693–702

Characterization of the natriuretic activity in the plasma of hypervolaemic rats. Veress AT, et al. **Clin Sci** 1980 Sep; 59(3):183–9

Television-based densitometric analysis of proteins separated by two-dimensional gel electrophoresis. Aycock BF, et al. **Comput Biomed Res** 1981 Aug;14(4):314–26

Characterization of concanavalin A precipitated proteins from early mouse embryos: a 2-dimensional gel electrophoresis study. Magnuson T, et al. **Dev Biol** 1981 Jan 15;81(1):193–9

Neonatal macrosomia in maternal diabetes. Kim YS, et al. **Diabetologia** 1980 May;18(5):407–11

Proteins in tears from healthy and diseased eyes. Zavaro A, et al. **Doc Ophthalmol** 1980 Dec 15;50(1):185–99

A simple and rapid in vitro bioassay for inhibin. Scott RS, et al. **Endocrinology** 1980 Nov;107(5):1536–42

Immunological detection of specific proteins in total cell extracts by fractionation in gels and transfer to diazophenylthioether paper. Reiser J, et al. **Eur J Biochem** 1981 Mar;114(3):569–75

A comparative study of nucleic acid content and electrophoretic analysis of human decidual and endometrial proteins. Umapathysivam K, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Jun;12(1):43–57

Rapid purification of intact tonofilaments from newborn rats. Comparison with glial filaments and neurofilaments. Yen SH, et al. **Exp Cell Res** 1980 Oct;129(2):313–20

Nucleic acid and protein contents in the brain of the ageing teleost, Ophiocephalus punctatus Bloch. Satapathy NK, et al. **Exp Gerontol** 1980;15(1):33–41

Filament proteins in rat optic nerves undergoing Wallerian degeneration: localization of vimentin, the fibroblastic 100-A filament protein, in normal and reactive astrocytes. Dahl D, et al. **Exp Neurol** 1981 Aug;73(2):496–506

Trichinella spiralis: proteins and antigens isolated from a large-particle fraction derived from the muscle larva. Despommier DD, et al. **Exp Parasitol** 1981 Apr; 51(2):279–95

Effects of anesthesia, surgical manipulation and dehydration on the nucleic acid and protein content of the pituitary and hypothalamus of the frog. Iela L, et al. **Experientia** 1980 Aug 15;36(8):1015–6

Heterogeneity of mouse interleukins. Henriksen O, et al. **FEBS Lett** 1980 Nov 17;121(1):157–60

Distribution of macromolecules from the intercellular matrix in the electroplaque of Electrophorus electricus. Labat-Robert J, et al. **FEBS Lett** 1980 Nov 3;120(2):259–63

Studies of cystic fibrosis utilizing mucociliary activity in oyster gills. Bowman BH, et al. **Fed Proc** 1980 Dec; 39(14):3195–200 (42 ref.)

Characterization of human exocrine pancreatic proteins by two-dimensional isoelectric focusing/sodium dodecyl sulfate gel electrophoresis. Scheele G, et al. **Gastroenterology** 1981 Mar;80(3):461–73

Electrophoretic analysis of human endometrial proteins. Umapathysivam K, et al. **Gynecol Obstet Invest** 1981; 12(5):245–54

Quantitative cytospectrophotometrical determination of the total protein thiols with 'mercurochrom': optimization and calibration of the histochemical reaction. Nöhammer G, et al. **Histochemistry** 1981;71(2):291–300

Presence of proteins in human bones 200, 1200 and 1500 years of age. Gürtler LG, et al. **Hum Biol** 1981 Feb;53(1):137–50

A single-step separation procedure for several protein constituents of venom of the Indian Cobra (Naja naja). Achyuthan KE, et al. **Indian J Biochem Biophys** 1980 Jun; 17(3):228–32

Chemical nature of toxic protein of venom of the South Indian scorpion Heterometrus scaber. Nair RB. **Indian J Exp Biol** 1980 Oct;18(10):1142–4

In vivo application of voltage gradient technique to frog gastrocnemius muscle & subcellular migratory patterns of sucrose soluble proteins & succinate dehydrogenase. Narasimham PV, et al. **Indian J Exp Biol** 1980 Dec; 18(12):1457–9

Reaction of sulfhydryl compounds with Folin's phenol reagent. Singh LN. **Indian J Exp Biol** 1980 Nov; 18(11):1307–8

Microbicidal cationic proteins of rabbit alveolar macrophages: amino acid composition and functional attributes. Patterson-Delafield J, et al. **Infect Immun** 1981 Feb;31(2):723–31

A compilation of amino acid analyses of proteins - XVI. Residues per molecule - 13. Kirschenbaum DM. **Int J Biochem** 1981;13(5):637–53

Polyacrylamide gel electrophoresis in the differentiation of Taenia (Cestoda) by total protein. Bursey CC, et al. **Int J Parasitol** 1980 Jun;10(3):167–74

Reversals of polypeptide chain in globular proteins. Kolaskar AS, et al. **Int J Pept Protein Res** 1980 Jul;16(1):1–11

Prediction of the surface-interior diagram of globular proteins by an empirical method. Nishikawa K, et al. **Int J Pept Protein Res** 1980 Jul;16(1):19–32

Protein composition of cells, nuclei and chromatin from some radiosensitive and radioresistant mouse tissues. Suciu D. **Int J Radiat Biol** 1981 Jun;39(6):641–7

Proteins in fluids from individual orbital glands and in tears. Dartt DA, et al. **Invest Ophthalmol Vis Sci** 1980 Nov; 19(11):1342–7

Protein and amino acid composition of select freshwater fish. Mai J, et al. **J Agric Food Chem** 1980 Jul-Aug;28(4):884–5

Effect of aspirin on aqueous protein values in the dog. Brightman AH 2d, et al. **J Am Vet Med Assoc** 1981 Mar 15;178(6):572–3

Concentrations of sperm, protein and a sperm membrane glycoprotein within boar epididymal luminal fluids. Hunter AG, et al. **J Anim Sci** 1981 Mar;52(3):575–9

The effect of sucrose on assaying enzymes and protein in the subcellular fractions of the rat kidney cortex. Andersen KJ, et al. **J Biochem Biophys Methods** 1979 Oct;1(5):309–11

Automated scanning of 14C on polyacrylamide gel. Magnusson RP, et al. **J Biochem Biophys Methods** 1979; 1(1):65–8

Fluorography of tritium-labelled proteins in immunoelectrophoresis. Norén O, et al. **J Biochem Biophys Methods** 1979;1(1):59–64

Localization of a new fiber-forming protein within Tetrahymena pyriformis. Numata O, et al. **J Biochem (Tokyo)** 1980 Nov;88(5):1499–504

Intermediate filaments from Chinese hamster ovary cells contain a single protein. Comparison with more complex systems from baby hamster kidney and mouse epidermal cells. Cabral F, et al. **J Biol Chem** 1981 Feb 10; 256(3):1428–31

Structural proteins of sarcophagid larval exoskeleton. Composition and distribution of radioactivity derived from [7-14C]dopamine. Lipke H, et al. **J Biol Chem** 1981 May 10;256(9):4241–6

Identification and immunoprecipitation of cytoskeletal proteins from murine extra-embryonic endodermal cells. Oshima RG. **J Biol Chem** 1981 Aug 10;256(15):8124–33

Proteoglycans from bovine nasal cartilage. Immunochemical studies of link protein. Poole AR, et al. **J Biol Chem** 1980 Oct 10;255(19):9295–305

Analytical study of microsomes and isolated subcellular membranes from rat liver. VII. Distribution of protein-bound sialic acid. Amar-Costesec A. **J Cell Biol** 1981 Apr;89(1):62–9

Widespread distribution of a 210,000 mol wt microtubule-associated protein in cells and tissues of primates. Bulinski JC, et al. **J Cell Biol** 1980 Dec;87(3 Pt 1):802–8

Immunofluorescence localization of HeLa cell microtubule-associated proteins on microtubules in vitro and in vivo. Bulinski JC, et al. **J Cell Biol** 1980 Dec;87(3 Pt 1):792–801

Cuticle of Caenorhabditis elegans: its isolation and partial characterization. Cox GN, et al. **J Cell Biol** 1981 Jul; 90(1):7–17

Filament proteins in central, cranial, and peripheral mammalian nerves. Davison PF, et al. **J Cell Biol** 1981 Jan;88(1):67–72

Isolation and characterization of desmosome-associated tonofilaments from rat intestinal brush border. Franke WW, et al. **J Cell Biol** 1981 Jul;90(1):116–27

Distribution of proteins between nucleus and cytoplasm of Amoeba proteus. Goldstein L, et al. **J Cell Biol** 1981 Mar; 88(3):516–25

Isolation, ultrastructure, and protein composition of the flagellar rootlet of Naegleria gruberi. Larson DE, et al. **J Cell Biol** 1981 Jun;89(3):424–32

Antibodies to neurofilament, glial filament, and fibroblast intermediate filament proteins bind to different cell types of the nervous system. Yen SH, et al. **J Cell Biol** 1981 Jan;88(1):115–26

Isolation of the cytoskeleton from Giardia. Tubulin and a low-molecular-weight protein associated with microribbon structures. Holberton DV, et al. **J Cell Sci** 1981 Feb; 47:139–66

Protein labelling with 3H-NSP (N-succinimidyl-[2,3-3H]propionate). Müller GH. **J Cell Sci** 1980 Jun;43:319–28

The use of reversed-phase high-performance liquid chromatography with radial compression for the analysis of peptide and protein mixtures. Hancock WS, et al. **J Chromatogr** 1981 Feb 6;206(1):59–70

Criticism of the use of Coomassie Brilliant Blue G-250 for the quantitative determination of proteins. van Wilgenburg MG, et al. **J Clin Chem Clin Biochem** 1981 May;19(5):301–4

An inverse relationship exists between seminal plasma inhibin and serum follicle-stimulating hormone in man. Scott RS, et al. **J Clin Endocrinol Metab** 1981 Apr;52(4):796–803

Protein composition of the thyroid colloid in patients with hyperthyroidism. Anderberg B, et al. **J Endocrinol** 1980 Sep;86(3):443–9

Isolation of epithelial cells from the corpus epididymidis and analysis for glycerylphosphorylcholine, sialic acid, and protein. Hoffmann DS, et al. **J Exp Zool** 1981 Jul; 217(1):93–102

Cytochemical studies on the prostate glands of the trematodes, Paramphistomum epiclitum and Paradistomoides orientalis. Kanwar U, et al. **J Helminthol** 1980 Dec;54(4):263–6

Comparisons of alveolar and peritoneal macrophages: soluble protein, esterase, dipeptidyl aminopeptidase II, and proteinase inhibitor. Allen RC, et al. **J Histochem Cytochem** 1980 Sep;28(9):947–52

Microphotometric analysis of protein-bound thiols and disulfides with an azogenic maleimide. Wiese DA, et al. **J Histochem Cytochem** 1981 Jul;29(7):817–21

An investigation of possible Romanomermis culicivorax proteins in the hemolymph of Culex pipiens. Schmidt SP, et al. **J Invertebr Pathol** 1980 Sep;36(2):149–58

Comparison of stratum corneum and hair fibrous proteins. Baden HP, et al. **J Invest Dermatol** 1980 Oct;75(4):311–5

Two-dimensional hybridization mapping of nucleosomes. comparison of DNA and protein patterns. Levinger L, et al. **J Mol Biol** 1981 Mar 5;146(3):287–304

An acidic protein which assembles nucleosomes in vitro is the most abundant protein in Xenopus oocyte nuclei. Mills AD, et al. **J Mol Biol** 1980 May 25;139(3):561–8

The broken-stick model for amino acid composition in proteins. Itoh Y, et al. **J Mol Evol** 1980 Sep;16(1):69–72

Lactoperoxidase-coupled iodination of bovine chromaffin granules. Blakeborough P, et al. **J Neurochem** 1979 Dec; 33(6):1285–93

Influence of routine extraction procedures in the composition of Trichinella spiralis extracts. Barriga OO. **J Parasitol** 1981 Feb;67(1):120–3

Variation in surface proteins in Tetrahymena. Williams NE, et al. **J Protozool** 1980 Aug;27(3):345–50

Diagnostic reliability of pleural fluid protein estimation. Melsom RD. **J R Soc Med** 1979 Nov;72(11):823–5

The availabilities of lysine, methionine and tryptophan in Pruteen by chick growth assay. Abbey BW, et al. **J Sci Food Agric** 1980 May;31(5):421–31

Qualitative and quantitative differences in intracellular protein patterns of normal immature myeloid and non-lymphocytic leukemic bone marrow cells. Salden M, et al. **Leuk Res** 1981;5(3):195–202

Hydrophobic interaction chromatography of proteins, nucleic acids, viruses, and cells on noncharged amphiphilic gels. Hjertén S. **Methods Biochem Anal** 1981;27:89–108 (58 ref.)

Radioiodination by use of the Bolton-Hunter and related reagents. Langone JJ. **Methods Enzymol** 1980;70(A):221–47

Radioiodination of proteins by the use of the chloramine-T method. McConahey PJ, et al. **Methods Enzymol** 1980; 70(A):210–3

Lactoperoxidase-catalyzed iodination as a tool for investigation of proteins. Morrison M. **Methods Enzymol** 1980;70(A):214–20

Characteristic proteins of micronemes and dense granules from Sarcocystis tenella zoites (Protozoa, Coccidia). Dubremetz JF, et al. **Mol Biochem Parasitol** 1980 Sep; 1(5):279–89

Analysis of protein variation in Plasmodium falciparum by two-dimensional gel electrophoresis. Tait A. **Mol Biochem Parasitol** 1981 Feb;2(3–4):205–18

Comparative analysis of proteins selectively released from cell nuclei of different eukaryotic species under conditions of mild hydrolysis by nucleases. Afanasjev BN, et al. **Mol Biol Rep** 1980 Jul 31;6(2):119–23

Towards a total human protein map [news] Clark BF. **Nature** 1981 Aug 6;292(5823):491–2

Species-specific proteins in fossils. Lowenstein JM. **Naturwissenschaften** 1980 Jul;67(7):343–6

Cell surface labeling of proteins and glycoproteins of some human cultured lymphoid cells. Chorváth B, et al. **Neoplasma** 1980;27(6):625–31

p53 transformation-related protein: detection by monoclonal antibody in mouse and human cells. Dippold WG, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1695–9

High molecular weight microtubule-associated proteins are preferentially associated with dendritic microtubules in brain. Matus A, et al. **Proc Natl Acad Sci USA** 1981 May; 78(5):3010–4

Rabbit reticulocyte initiation factor 2 contains two polypeptide chains of molecular weights 48,000 and 38,000. Stringer EA, et al. **Proc Natl Acad Sci USA** 1980 Jun; 77(6):3356–9

Immunoautoradiographic detection of proteins after electrophoretic transfer from gels to diazo-paper: analysis of adenovirus encoded proteins. Symington J, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):177–81

Structure and phosphorylation of microtubule-associated protein 2 (MAP 2). Vallee R. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3206–10

Effects of lyophilization and freezing on the analysis of mouse uterine lumenal fluids and qualitative aspects of secretions for breeder and nonbreeder mice. Guise MB, et al. **Proc Soc Exp Biol Med** 1981 Jun;167(2):290–2

Effect of exercise on liver protein loss and lysosomal enzyme levels in fed and fasted rats. Kasperek GJ, et al. **Proc Soc Exp Biol Med** 1980 Sep;164(4):430–4

Structural glycoproteins and other connective tissue proteins. Anderson JC. **Prog Clin Biol Res** 1981;54:63–71 (23 ref.)

Sequential use of the PAP and immunogold staining method for the light microscopical double staining of tissue antigens. Gu J, et al. **Regul Pept** 1981 Mar;1(6):365–74

A review of the colloidal gold marker system. Goodman SL, et al. **Scan Electron Microsc** 1980;(Pt 2):133–46 (103 ref.)

Hemocyanin-protein A, an immunochemical reagent for scanning and transmission electron microscopy. Miller MM, et al. **Scan Electron Microsc** 1980;(Pt 2):125–31

Elastoidin actinotrichia in Coelacanth fins: a comparison with teleosts. Geraudie J, et al. **Tissue Cell** 1980;12(4):637–45

Source of carbohydrate in a toxic protein from Indian cobra (Naja naja naja) venom. Charles AK, et al. **Toxicon** 1981; 19(3):431–6

Purification and partial characterization of a thrombin-like enzyme from the venom of the bushmaster snake, Lachesis muta noctivaga. Magalhães A, et al. **Toxicon** 1981; 19(2):279–94

Histochemistry and the structure of the epidermis of a fresh-water teleost Noemacheilus botia (Hamilton-Buchanon) (Cobitidae, Pisces). Banerjee TK, et al. **Z Mikrosk Anat Forsch** 1980;94(2):305–15

Staining of paraganglionic cells with lead hematoxylin. Böck P. **Z Mikrosk Anat Forsch** 1980;94(5):876–80

Histochemical analysis of salivary gland of three insects with different feeding habits. Verma GP, et al. **Z Mikrosk Anat Forsch** 1980;94(4):749–61

Histochemical, cytochemical and autoradiographic studies on the rostellum of Hymenolepis diminuta. Specian RD, et al. **Z Parasitenkd** 1981;64(3):335–45

Regional variations in the protein and alkaline phosphatase content in the genital tract fluid of porcine females. Egbunike GN, et al. **Zentralbl Veterinaermed [A]** 1980 Jun; 27(4):319–29

A study of bovine acrosomal proteins. Georgiev GH. **Zentralbl Veterinaermed [A]** 1980;27(9–10):824–8

[Immunocytochemical localization in human spermatozoa of tubulin and the associated high molecular weight proteins MAP1 and MAP2] Maunoury R, et al. **C R Acad Sci [D] (Paris)** 1980 Sep 29;291(4):425–8 (Eng. Abstr.) **(Fre)**

[Detection and analysis of aldehyde fuchsin positive fibers in the connective tissue of the human oviductal mucosa. I. Preliminary investigations and demonstration of the morphological substratum (author's transl)] Schultka R. **Acta Histochem (Jena)** 1980;67(1):54–75 (Eng. Abstr.) **(Ger)**

[Submicroscopic detection of oriented protein filaments in the plasmoditrophoblast of the human placenta (author's transl)] Scheuner G, et al. **Anat Anz** 1980;147(2):145–51 (Eng. Abstr.) **(Ger)**

[Quantitative determination of proteins in single cells with amidoblack (author's transl)] Schauenstein E, et al. **Histochemistry** 1980;68(1):75–90 (Eng. Abstr.) **(Ger)**

[Diagnostic value of laboratory examination of ascites fluid (author's transl)] Wördehoff D. **Leber Magen Darm** 1981 Jan;11(1):25–30 (Eng. Abstr.) **(Ger)**

[Nutrient content in human milk: protein, lactose, minerals, trace elements, and thiamin (author's transl)] Stolley H, et al. **Monatsschr Kinderheilkd** 1981 May;129(5):293–7 (Eng. Abstr.) **(Ger)**

[Method of determination of proteins with Coomassie brilliant blue G 250. I. General characteristics and comparative analysis with the biuret method and Lowry's method] Serra S, et al. **Boll Soc Ital Biol Sper** 1980 Jan 30;56(2):160–5 (Eng. Abstr.) **(Ita)**

[Method of determination of proteins with Coomassie brilliant blue G 250. II. Influence of pH and inorganic ions] Serra S, et al. **Boll Soc Ital Biol Sper** 1980 Jan 30; 56(2):166–70 (Eng. Abstr.) **(Ita)**

[The Coomassie brilliant blue G 250 method for protein quantitation. (2) The application of an automatic technic (author's transl)] Kanamori K, et al. **Rinsho Byori** 1980 Nov;28(11):1153–6 **(Jpn)**

[A highly sensitive silver staining for detection of proteins in polyacrylamide gels (author's transl)] Irie S. **Seikagaku** 1980;52(6):411–3 **(Jpn)**

[The electrophoretic separation of very high molecular proteins by agarose-acrylamide gel (author's transl)] Nakamura K, et al. **Seikagaku** 1980;52(7):497–500 **(Jpn)**

[Lymph circulation dynamics and protein-cellular responses of central lymph during the early postresuscitation period] Minnebaev MM, et al. **Biull Eksp Biol Med** 1981 Mar; 91(3):281–3 (Eng. Abstr.) **(Rus)**

[Photo-induced structural changes in the melanoprotein granules of pigmented epithelium] Abdullaev GB, et al. **Dokl Akad Nauk SSSR** 1980 Sep-Oct;254(1):231–3 **(Rus)**

[Effect of histone HI on DNA and protein organization in the nucleosome core] Domanskii NN, et al. **Dokl Akad Nauk SSSR** 1980;253(5):1256–9 **(Rus)**

[Isofocusing of proteins in a tris-boro-polyol system in disc electrophoresis] Azhitskiĭ GIu, et al. **Lab Delo** 1981; (4):232–5 (Eng. Abstr.) **(Rus)**

[Photoelectrocolorimeter attachment for electrophoretogram densitometry] Elchiev Iala. **Lab Delo** 1981;(1):47 **(Rus)**

[Physical methods applied in the study of disulphide bond geometry (author's transl)] Zak Z. **Postepy Biochem** 1980; 26(3):329–41 (41 ref.) **(Rus)**

[Comparative gel-electrophoretic study of soluble human endometrial and decidual proteins] Mal'tsev AV, et al. **Vopr Med Khim** 1980 Jul-Aug;26(4):442–6 (Eng. Abstr.) **(Rus)**

[Method for disc electrophoresis of human gastric juice proteins in polyacrylamide gel] Orlikov GA, et al. **Vopr Med Khim** 1980 Jul-Aug;26(4):355–7 (Eng. Abstr.) **(Rus)**

[Modified method for determining protein in samples with high concentrations of lipo- and glycoproteins] Siatkin SP. **Vopr Med Khim** 1981 Jan-Feb;27(1):136–8 (Eng. Abstr.) **(Rus)**

[Detection of host proteins in the intestine of Triatoma infestans 3 months after ingestion] Wisnivesky-Colli C, et al. **Medicina (B Aires)** 1980;40 Suppl 1:171–7 (Eng. Abstr.) **(Spa)**

ANTAGONISTS & INHIBITORS

The action of bovine spleen cathepsins B and D on the cytoplasmic ribonuclease inhibitor from rat liver. Fuhge P, et al. **Hoppe Seylers Z Physiol Chem** 1980 Dec; 361(12):1781–5

Protein synthesis in rabbit reticulocytes. Purification and characterization of a double-stranded RNA-dependent protein synthesis inhibitor from reticulocyte lysates. Das HK, et al. **J Biol Chem** 1981 Jun 25;256(12):6491–5

Effect of ligand on chemical modification of proteins. Graphical determinations of dissociation constant and number of essential residues affected by ligand binding. Horiike K, et al. **J Theor Biol** 1980 Jun 21;84(4):691–708

[Effect of the extent of protein synthesis inhibition on the the dynamics of postradiation nuclear chromatin breakdown in rat thymus cells] Vodolazskaia NA, et al. **Radiobiologiia** 1981 Jan-Feb;21(1):63–7 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Receptor mediated gonadotropin action in the ovary. Modulation of progesterone response in isolated rat ovarian cells by gonadotrophin, cholera enterotoxin and cyclic nucleotides: requirement for RNA and protein synthesis. Azhar S, et al. **Acta Endocrinol (Copenh)** 1980 Dec; 95(4):528–39

Effect of inhibition of protein synthesis on thyroid cyclic AMP accumulation in vitro. Nilsson H, et al. **Acta Endocrinol (Copenh)** 1981 Jun;97(2):202–6

Inhibition of the synthesis of macromolecules by ethanol in regenerating rat liver. Pösö R, et al. **Adv Exp Med Biol** 1980;132:551–60

Effect of parenteral nutrition on protein synthesis in adult cancer patients. Stein TP, et al. **Am J Clin Nutr** 1981 Aug; 34(8):1484–8

Protein synthesis by human fetal lung. Genbačev O, et al. **Am J Obstet Gynecol** 1981 Jan;139(1):41–6

Regulation of protein synthesis in normal and diabetic rat pancreas by cholecystokinin. Korc M, et al. **Am J Physiol** 1981 Aug;241(2):G116–21

Insulin action in pancreatic acini from streptozotocin-treated rats. I. Stimulation of protein synthesis. Korc M, et al. **Am J Physiol** 1981 Jan;240(1):G56–62

Protein synthesis in perfused rat liver following thyroidectomy and hormone treatment. Peavy DE, et al.

Am J Physiol 1981 Jan;240(1):E18–23
Measurement of protein synthesis rates with [15N]glycine. Stein TP, et al. **Am J Physiol** 1980 Oct;239(4):E294–E300
Effect of parenteral nutrition on protein synthesis and liver fat metabolism in man. Stein TP, et al. **Am J Physiol** 1980 Oct;239(4):G280–G287
Effects of halothane on protein synthesis and degradation in rabbit pulmonary macrophages. Hammer JA 3d, et al. **Am Rev Respir Dis** 1981 Jul;124(1):50–5
Mouse uterine glands during the peri-implantation period. II. Autoradiographic studies. Given RL, et al. **Anat Rec** 1981 Jan;199(1):109–27
Recovery by interferon of mengovirus-induced shutoff of host protein synthesis. Falcoff R, et al. **Ann NY Acad Sci** 1980;350:522–32
Mechanisms of interferon-mediated inhibition of protein synthesis. Samuel CE, et al. **Ann NY Acad Sci** 1980; 350:473–85
Whole body protein synthesis and turnover in normal man and malnourished patients with and without known cancer. Norton JA, et al. **Ann Surg** 1981 Aug;194(2):123–8
In vivo chemical modification of proteins (post-translational modification). Wold F. **Annu Rev Biochem** 1981;50:783–814 (199 ref.)
Effect of testosterone propionate on protein synthesis by two-dimensional electrophoresis in rat ventral prostate. Carter DB, et al. **Arch Androl** 1981 Mar;6(2):133–40
High-resolution autoradiography of new formed proteins in the epididymis after incorporation of tritiated amino acids. Fain-Maurel MA, et al. **Arch Androl** 1981 May;6(3):249–66
Effect of rabbit spermatozoa on the incorporation of labeled precursors into endometrial macromolecules. Hicks JJ, et al. **Arch Androl** 1980 Dec;5(4):349–54
Effects of ethanol, nutritional status, and composition of the incubation medium on protein synthesis in isolated rat liver parenchymal cells. Dich J, et al. **Arch Biochem Biophys** 1980 Oct 15;204(2):640–7
Protein synthesis and environmental changes: a new approach to search for regulatory mechanisms. Krauskopf M, et al. **Arch Biol Med Exp (Santiago)** 1979 OCT;12(3):373–8
The effects of phenytoin on in vitro protein synthesis in oral and non-oral tissues of the rat. Kusek JC. **Arch Oral Biol** 1980;25(11–12):745–7
Effect of thyroid hormones on the in vivo protein synthesis in rats. Bergner H, et al. **Arch Tierernaehr** 1981 Feb; 31(2):109–18
Stimulation of protein and RNA synthesis by methylmercury chloride in the liver of intact and adrenalectomized rats. Omata S, et al. **Arch Toxicol** 1981 Apr;47(2):113–23
Macromolecular synthesis in L-A9 cells infected with Marituba virus. Rebelo MA, et al. **Arch Virol** 1981; 68(3–4):327–32
Proteins specified by African swine fever virus. II. Analysis of proteins in infected cells and antigenic properties. Tabarés E, et al. **Arch Virol** 1980;66(2):119–32
Inhibition of collagen and non-collagen protein synthesis in cultured aortic smooth muscle cells by hyperlipoproteinemic serum. Holderbaum D, et al. **Artery** 1980;7(1):16–31
Lymphokine-mediated suppression of chondrocyte glycosaminoglycan and protein synthesis. Herman JH, et al. **Arthritis Rheum** 1981 Jun;24(6):824–34
Aortic collagen, elastin and non-fibrous protein synthesis in rabbits red cholesterol and peanut oil. Ehrhart LA, et al. **Atherosclerosis** 1980 Nov;37(3):423–32
Changes in the matrix proteins of wool and mouse hair following the administration of depilatory compounds. Gillespie JM, et al. **Aust J Biol Sci** 1980 May;33(2):125–36
Cellular requirements for production and release of the lymphocyte costimulator. Andrus L, et al. **Aust J Exp Biol Med Sci** 1980 Dec;58(6):545–55
Protein synthesis in the isolated perfused rat heart. Effects of mechanical work load, diastolic ventricular pressure and coronary pressure on amino acid incorporation and its transmural distribution into left ventricular protein. Takala T. **Basic Res Cardiol** 1981 Jan–Feb;76(1):44–61
Ecdysterone-induced modifications of protein synthesis in a Drosophila melanogaster cultured cell line. Couderc JL, et al. **Biochem Biophys Res Commun** 1980 Nov 17; 97(1):173–81
ACTH in vivo stimulation of the synthesis of a specific mitochondrial protein in the rat. Dazord A, et al. **Biochem Biophys Res Commun** 1981 Feb 27;98(4):885–91
The effect of elevated temperature on protein synthesis in cell-free extracts of cultured Chinese hamster ovary cells. Hutchison JS, et al. **Biochem Biophys Res Commun** 1981 Mar 31;99(2):722–8
A purified structural glycoprotein determines a strong inhibition of protein synthesis in fibroblast cultures. Maquart FX, et al. **Biochem Biophys Res Commun** 1980 Sep 30;96(2):595–600
Synthesis of two non-phosphorylated proteins induced in mouse L-cells by homologous interferon. Pauloin A, et al. **Biochem Biophys Res Commun** 1980 Oct 31; 96(4):1592–602
Proteins of the Drosophila melanogaster male reproductive system: two-dimensional gel patterns of proteins synthesized in the XO, XY, and XYY testis and paragonial gland and evidence that the Y chromosome does not code for structural sperm proteins. Ingman-Baker J, et al. **Biochem Genet** 1980 Aug;18(7–8):809–28
The inhibitory action of L-dihydroxyphenylalanine (L-dopa) in the presence of a monoamine oxidase inhibitor on protein synthesis in vivo and the partial amelioration of this by methionine supplementation. Bone AH, et al. **Biochem J** 1980 Nov 15;192(2):703–7
Insulin stimulates synthesis of soluble proteins in isolated rat hepatocytes. Clark RL, et al. **Biochem J** 1980 Sep 15; 190(3):615–9
Differential effects of nitrated ricin and nitrated and dithionite-reduced ricin on protein-synthesis inhibition and transmembrane tramsport in eukaryotic cells. Dalrymple PN, et al. **Biochem J** 1980 Jun 15;188(3):941–4
Biosynthesis of collagen and other matrix proteins by articular cartilage in experimental osteoarthrosis. Eyre DR, et al. **Biochem J** 1980 Jun 15;188(3):823–37
A rapid and convenient technique for measuring the rate of protein synthesis in tissues by injection of [3H]phenylalanine. Garlick PJ, et al. **Biochem J** 1980 Nov 15;192(2):719–23
Hormonal regulation of protein synthesis in the rat epididymis. Characterization of androgen-dependent and testicular fluid-dependent proteins. Jones R, et al. **Biochem J** 1980 Jun 15;188(3):667–76
Characterization of cell-surface glycopeptides from mouse cerebral cortex that inhibit cell growth and protein synthesis. Kinders RJ, et al. **Biochem J** 1980 Sep 15; 190(3):605–14
Measurement of the rates of protein synthesis in rabbits. A method for the estimation of rates of change in the specific radioactivities of free amino acids during continuous infusions. Lobley GE, et al. **Biochem J** 1980 Nov 15; 192(2):623–9
Regeneration of cilia in starved Tetrahymena thermophila involves induced synthesis of ciliary proteins but not synthesis of membrane lipids. Skriver L, et al. **Biochem J** 1980 Jun 15;188(3):695–704
Inhibition of protein synthesis by a toxic lectin from Viscum album L. (mistletoe). Stirpe F, et al. **Biochem J** 1980 Sep 15;190(3):843–5
Biochemical lesions in copper-deficient rats caused by secondary iron deficiency. Derangement of protein synthesis and impairment of energy metabolism. Weisenberg E, et al. **Biochem J** 1980 Jun 15;188(3):633–41
The effect of a zinc-deficient diet and the inflammatory response on rat liver mitochondrial protein synthesis. Burke JP, et al. **Biochem Med** 1981 Feb;25(1):48–55
Differential effects of chloramphenicol and its nitrosoanalogue on protein synthesis and oxidative phosphorylation in rat liver mitochondria. Abou-Khalil S, et al. **Biochem Pharmacol** 1980 Oct 1;29(19):2605–9
Tissue distribution and effects on mitochondrial protein synthesis of tetracyclines after prolonged continuous intravenous administration to rats. van den Bogert C, et al. **Biochem Pharmacol** 1981 Jun 15;30(12):1706–9
The effects of adenosine 3':5'-cyclic monophosphate and selected phosphodiesterase inhibitors on incorporation of L-[U-14C]lysine into protein in rat brain and liver slices. Standard SA, et al. **Biochem Soc Trans** 1980 Oct;8(5):613–4
Protein synthesis in pulmonary alveolar macrophages. Source of amino acids for leucyl-tRNA. Airhart J, et al. **Biochim Biophys Acta** 1981 Mar 26;653(1):108–17
Subcellular localization of aldosterone-induced proteins in toad urinary bladders. Geheb M, et al. **Biochim Biophys Acta** 1981 Mar 6;641(2):422–6
Effect of epidermal growth factor on the synthetic activity of human fibroblasts. Huey J, et al. **Biochim Biophys Acta** 1980 Oct 1;632(2):227–33
AUG is the only initiation codon in eukaryotes. Sherman F, et al. **Biochim Biophys Acta** 1980 Sep 19;609(2):343–6
The synthesis of ribosomal 5 S RNA in cultured hamster cells during the inhibition of protein synthesis. Takenaka K, et al. **Biochim Biophys Acta** 1981 Aug 27;655(1):26–33
Influence of zinc on iron uptake by monolayer cultures of rat hepatocytes and the hepatocellular ferritin. Zaman Z, et al. **Biochim Biophys Acta** 1981 Jun 11;675(1):77–84
Speed-accuracy relationships during in vitro and in vivo protein biosynthesis. Laughrea M. **Biochimie** 1981 Mar; 63(3):145–68 (266 ref.)
Effect of oligonucleotide AGAGGAGGU on protein synthesis in vitro. Trudel M, et al. **Biochimie** 1981 Mar; 63(3):235–40
Sulfate incorporation into macromolecules produced by cultured oviductal epithelium. Barr SH, et al. **Biol Reprod** 1981 May;24(4):852–8
Induced protein and deciduoma formation in rat uterus. Bell SC, et al. **Biol Reprod** 1980 Dec;23(5):935–40
Thermodynamic constraints on kinetic proofreading in biosynthetic pathways. Ehrenberg M, et al. **Biophys J** 1980 Sep;31(3):333–58
An effect of ultraviolet light on RNA and protein synthesis in nondividing human diploid fibroblasts. Kantor GJ, et al. **Biophys J** 1979 Sep;27(3):359–70
The digestive capacity of the caecum-colon and the value of the nitrogen absorbed from the hind gut for protein synthesis in pigs. Just A, et al. **Br J Nutr** 1981 Jul; 46(1):209–19
Whole body and tissue protein synthesis in cattle. Lobley GE, et al. **Br J Nutr** 1980 May;43(3):491–502
Effects of changes in the intakes of protein and non-protein energy on whole-body protein turnover in growing pigs. Reeds PJ, et al. **Br J Nutr** 1981 May;45(3):539–46
Protein synthesis and breakdown after vaccination [letter] Adam K, et al. **Br Med J** 1980 Sep 20;281(6243):809
Protein synthesis and breakdown after vaccination [letter] Garlick P, et al. **Br Med J** 1980 Nov 1;281(6249):1215–6
Stimulation of protein synthesis and breakdown by vaccination. Garlick PJ, et al. **Br Med J** 1980 Jul 26; 281(6235):263–5
Decreased protein synthesis in rats during a single short-term immobilization. Huszti Z, et al. **Can J Biochem** 1981 Feb; 59(2):145–50
Biosynthesis and characterization of heat shock proteins in Chironomus tentans salivary glands. Tanguay RM, et al. **Can J Biochem** 1981 Jan;59(1):67–73
Protein synthesis, amino acid uptake, and pools during isoproterenol-induced hypertrophy of the rat heart and tibialis muscle. Deshaies Y, et al. **Can J Physiol Pharmacol** 1981 Feb;59(2):113–21
Inhibition of hepatic macromolecular processes in normal and regenerating liver by hyperthermia. Collins FG, et al. **Cancer Biochem Biophys** 1980;4(4):227–32
Induction of specific protein synthesis by phorbol esters in mouse epidermal cell culture. Cabral F, et al. **Cancer Res** 1981 Jun;41(6):2025–31
Proteins associated with emergence of the resistance to lethal glucocorticoid actions in P1798 mouse lymphosarcoma cells. Nicholson ML, et al. **Cancer Res** 1981 Sep;41(9 Pt 1):3530–7
Poly(adenosine diphosphoribose) polymerase activity and adenosine diphosphate ribosylation of proteins during pancreatic degeneration and regeneration. Savard P, et al. **Cancer Res** 1981 Apr;41(4):1417–21
Protein synthesis requires cell-surface contact while nuclear events respond to cell shape in anchorage-dependent fibroblasts. Ben-Ze'ev A, et al. **Cell** 1980 Sep;21(2):365–72
Heat shock, deciliation and release from anoxia induce the synthesis of the same set of polypeptides in starved T. pyriformis. Guttman SD, et al. **Cell** 1980 Nov;22(1 Pt 1):299–307
Modulation by estrogen of synthesis of specific uterine proteins. Skipper JK, et al. **Cell** 1980 Nov;22(1 Pt 1):69–78
Progressive loss of shape-responsive metabolic controls in cells with increasingly transformed phenotype. Wittelsberger SC, et al. **Cell** 1981 Jun;24(3):859–66
Pretreatment of P815 mastocytoma cells with inhibitors of protein synthesis reduces their susceptibility to lysis by cytotoxic thymus-derived lymphocytes. D'Angeac AD, et al. **Cell Immunol** 1980 Oct;55(2):342–54
The effect of age on the ability of oocytes to synthesize RNA and proteins during in vitro maturation. Peluso JJ, et al. **Cell Tissue Res** 1980;213(1):29–35
Inhibition of protein synthesis by carbonyl compounds (4-hydroxyalkenals) originating from the peroxidation of liver microsomal lipids. Benedetti A, et al. **Chem Biol Interact** 1981 Jun;35(3):331–40
Dependence of Balbiani ring puffing on protein synthesis. Diez JL, et al. **Chromosoma** 1980;81(2):263–9
Protein synthesis and degradation in cardiac stress. Schreiber SS, et al. **Circ Res** 1981 May;48(5):601–11 (115 ref.)
Defective helper factor (LMF) production in patients with acute measles infection. Joffe MI, et al. **Clin Immunol Immunopathol** 1981 Aug;20(2):215–23
Catabolin--a cartilage catabolic factor from synovium. Dingle JT. **Clin Orthop** 1981 May;(156):219–31
Schistosoma mansoni: comparision of the effects of cycloheximide and emetine on protein synthesis in adult worms. Walker E, et al. **Comp Biochem Physiol [C]** 1980; 67C(2):129–34
Molecular markers of differentiation in the epidermis of the newborn rat. Bernstein IA, et al. **Curr Probl Dermatol** 1980; 10:421–32
Control of epidermal and hair root protein synthesis. Freedberg IM, et al. **Curr Probl Dermatol** 1980;10:295–309
Quantitative autoradiographic studies in RNA and protein synthesis of dyskeratotic cells in morbus Darier. Sato A, et al. **Curr Probl Dermatol** 1980;10:227–41
The synthesis of the cystine-rich proteins in rat epidermis: I. Analysis by [35S]cystine incorporation. Tezuka T, et al. **Curr Probl Dermatol** 1980;10:255–67
The effect of isoproterenol on nuclear protein synthesis in electrostatically sorted rat hepatocytes. Pipkin JL, et al. **Cytometry** 1980 Nov;1(3):212–21
Post-transcriptional regulation of protein synthesis in Ilyanassa embryos and isolated polar lobes. Brandhorst BP, et al. **Dev Biol** 1981 Apr 30;83(2):250–4
Program of early development in the mammal: synthesis of mitochondrial proteins during oogenesis and early embryogenesis in the mouse. Cascio SM, et al. **Dev Biol** 1981 Apr 15;83(1):166–72
Proteins foretelling head or abdomen development in the embryo of Smittia spec. (Chironomidae, Diptera). Jäckle H, et al. **Dev Biol** 1981 Jul 30;85(2):287–98
Heat shock response of Dictyostelium. Loomis WF, et al. **Dev Biol** 1980 Oct;79(2):399–408
Synthesis of heat-shock proteins in developing sea urchins. Roccheri MC, et al. **Dev Biol** 1981 Apr 15;83(1):173–7
Rates of ribosomal protein and total protein synthesis during Drosophila early embryogenesis. Santon JB, et al. **Dev Biol** 1981 Jul 15;85(1):252–7
Inhibition of emergence, hatching, and protein biosynthesis in embryonic Artemia salina. Trotman CN, et al. **Dev Biol** 1980 Nov;80(1):167–74
Biosynthesis of proinsulin and other islet cell proteins in pancreatic beta cells of the rat: a radioautographic evaluation of glucose effects in vitro. Logothetopoulos J,

et al. **Diabetes** 1980 Oct;29(10):795–800
In vivo incorporation of [3H] leucine and [3H] tryptophan into proinsulin–insulin and other islet cell proteins in normoglycemic, hyperglycemic, and hypoglycemic rats. Logothetopoulos J, et al. **Diabetes** 1980 Oct;29(10):801–5
Insulin receptors and protein synthesis in bone marrow cells and reticulocytes. Thomopoulos P, et al. **Diabetes** 1980 Oct; 29(10):820–4
Insulin–stimulated glucose uptake, leucine incorporation into protein, and uridine incorporation into RNA in skin fibroblast cultures from patients with diabetes mellitus. Eckel RH, et al. **Diabetologia** 1981 Mar;20(3):186–9
Effect of pentagastrin on rabbit stomach and small intestinal protein synthesis. Shields HM, et al. **Dig Dis Sci** 1980 Oct; 25(10):769–75
The effect of 17 beta–estradiol on collagen and noncollagenous protein synthesis in the uterus and some periodontal tissues. Dyer RF, et al. **Endocrinology** 1980 Oct; 107(4):1014–21
Regulation of sulfoprotein synthesis by rat Sertoli cells in culture. Elkington JS, et al. **Endocrinology** 1980 Oct; 107(4):970–6
A23187 inhibits adrenal protein synthesis and the effects of adrenocorticotropin (ACTH) on steroidogenesis and phospholipid metabolism in rat adrenal cells in vitro: further evidence implicating phospholipids in the steroidogenic action of ACTH. Farese RV, et al. **Endocrinology** 1981 Apr;108(4):1243–6
Regulation of responsiveness of cultured adrenal cells to adrenocorticotropin and prostaglandin E1: cell density, cell division, and inhibitors of protein synthesis. Hornsby PJ, et al. **Endocrinology** 1981 Jan;108(1):183–8
Simultaneous thyrotropin stimulation of thyroid protein synthesis and degradation determined by leucine pool sampling in nascent peptides. Kudlow JE, et al. **Endocrinology** 1981 Jan;108(1):268–72
Synthesis of mitochondrial proteins after stimulation of ovarian follicles by luteinizing hormone. Rowe MJ, et al. **Endocrinology** 1981 Jan;108(1):127–32
Effect of polybrominated biphenyls on the accumulation of DNA, RNA, and protein in cultured rat embryos following maternal administration. Fisher DL. **Environ Res** 1980 Dec; 23(2):334–40
Cigarette smoke and protein synthesis in the lung. Garrett RJ, et al. **Environ Res** 1980 Apr;21(2):399–406
Regulation of protein synthesis in reticulocyte lysates. Characterization of the inhibitor generated in the postribosomal supernatant by heating at 44 degrees C. Bonanou–Tzedaki SA, et al. **Eur J Biochem** 1981; 114(1):69–77
The influence of topology and glycosylation on the fate of heterologous secretory proteins made in Xenopus oocytes. Colman A, et al. **Eur J Biochem** 1981 Jan;113(2):339–48
Strain and host–cell dependence of vaccinia virus proteins. Tschannen R, et al. **Eur J Biochem** 1980 Oct;111(1):145–50
Second conference on macromolecular synthesis: biosynthesis, modification and processing of cellular and viral polyproteins. **Eur J Cell Biol** 1980 Oct;22(2):789–99
In vitro inhibition of protein synthesis by dialysates of plasma from uraemic patients. Delaporte C, et al. **Eur J Clin Invest** 1981 Apr;11(2 Suppl 1):139–43
Helper T–cell–replacing factors and T–cell–growth factors produced by concanavalin A–stimulated and pokeweed mitogen–stimulated mouse spleen cells. Frey JR, et al. **Exp Cell Biol** 1981;49(3):125–31
Lack of effect of NH4Cl on protein synthesis in cultured fibroblasts. Amenta JS, et al. **Exp Cell Res** 1980 Dec; 130(2):305–11
Pattern of polypeptide synthesis in myoblast hybrids. Brzeski H, et al. **Exp Cell Res** 1980 Aug;128(2):267–78
Heat shock proteins in Tetrahymena studied under growth conditions. Fink K, et al. **Exp Cell Res** 1980 Jul; 128(1):23–30
Amino aid deprivation induces synthesis of four proteins in chick embryo cells. Levinson W, et al. **Exp Cell Res** 1980 Dec;130(2):459–63
Protein synthesis in interspecies hybrid embryos of the amphibian Xenopus. Mohun TJ, et al. **Exp Cell Res** 1981 Apr;132(2):281–8
Protein synthesis patterns in conjugating Tetrahymena thermophila. Ron A, et al. **Exp Cell Res** 1981 Jun; 133(2):325–30
Effect of potassium and lithium ions on protein synthesis in the sea urchin embryo. Wolcott DL. **Exp Cell Res** 1981 Apr;132(2):464–7
Comparative studies of the age–related changes in protein synthesis in the rat pancreas and parotid gland. Kim SK, et al. **Exp Gerontol** 1981;16(1):91–9
Toxoplasma gondii: growth in the absence of host cell protein synthesis. Pfefferkorn ER, et al. **Exp Parasitol** 1981 Aug; 52(1):129–36
The synthesis of antibacterial proteins in isolated fat body from Cecropia silkmoth pupae. Faye I, et al. **Experientia** 1980 Nov 15;36(11):1325–6
Protein anabolism in endometrium and myometrium during the growth of induced deciduoma in rats. Tarachand U, et al. **Experientia** 1980 Oct 15;36(10):1154–6
Two–dimensional gel analysis after removal of major proteins reveals stage–dependent proteins in early insect development. Jäckle H. **FEBS Lett** 1980 Sep 8;118(2):191–4
Development of the beta + tau fraction of the cerebrospinal fluid of the chick embryo. Courtier R, et al. **Folia Morphol (Praha)** 1981;29(1):35–8
Protein secretion in suspensions of isolated rat hepatocytes: no influence of acute ethanol administration. Mørland J, et al. **Gastroenterology** 1981 Jan;80(1):159–65
the pig yolk sac II. Analysis of synthesized proteins. Minuth WW, et al. **Histochemistry** 1980;68(2):147–58
Insulin and the in vitro protein synthesis of liver and skeletal muscle ribosomes in experimental acute uraemia. Pils P, et al. **Horm Metab Res** 1981 Feb;13(2):89–91
Testicular protein synthesis during the response to subtoxic levels of cadmium. Nicholls DM, et al. **Horm Res** 1981; 14(1):56–69
Role of nucleic acids and cytoskeleton in nuclear refringence phenomenon (nrp) of human peripheral blood lymphocytes. Pompidou A, et al. **Immunopharmacology** 1979 Dec; 2(1):29–32
Pokeweed mitogen inhibition of protein synthesis in cultured lymphoblastoid lines. Polin RA, et al. **In Vitro** 1980 Jul; 16(7):575–80
SCP production from rice stover: solid state Vs. submerged fermentation. Ghai SK, et al. **Indian J Exp Biol** 1981 Jan; 19(1):61–4
RNA & protein synthesis during Spirostomum regeneration. Nayak S, et al. **Indian J Exp Biol** 1981 Mar;19(3):203–5
Effect of methylmercury on protein synthesis in liver of the European carp Cyprinus carpio. Sharma DC, et al. **Indian J Exp Biol** 1980 Sep;18(9):1054–5
Macromolecular synthesis & pattern formation in hydra: Part II—RNA & protein syntheses in regenerating hydras. Venugopal G, et al. **Indian J Exp Biol** 1980 Dec; 18(12):1375–8
Induction of immunoenhancing factors for murine splenocyte cultures by Salmonella typhimurium ribosome and ribonucleic acid extracts. Butler RC, et al. **Infect Immun** 1981 Jun;32(3):1123–7
Role of host cell metabolism in the pathogenesis of Mycoplasma pneumoniae infection. Upchurch S, et al. **Infect Immun** 1981 Jan;31(1):174–81
Protein synthesis in regenerating liver. Cajone F, et al. **Int J Biochem** 1980;12(4):537–44 (83 ref.)
Changes in amino acid metabolism and protein synthesis during spontaneous metamorphosis in the bullfrog tadpole liver. Kistler A, et al. **Int J Biochem** 1980;12(3):395–400
Protein synthesis rates in atrophied gastrocnemius muscles after limp immobilization. Tucker KR, et al. **J Appl Physiol** 1981 Jul;51(1):73–7
Stimulation of protein synthesis in round spermatids from rat testes by lactate. Nakamura M, et al. **J Biochem (Tokyo)** 1981 Apr;89(4):1309–15
Differential regulation of the messenger RNA for three major senescence marker proteins in male rat liver. Chatterjee B, et al. **J Biol Chem** 1981 Jun 25;256(12):5939–41
Kinetic changes in protein synthesis in response to a sublethal heat shock in starved Tetrahymena thermophila. Hauser L, et al. **J Biol Chem** 1981 Apr 25;256(8):3612–4
Preferential channeling of exogenously supplied methionine into protein by sea urchin embryos. Ilan J, et al. **J Biol Chem** 1981 Mar 25;256(6):2830–4
1,25–Dihydroxyvitamin D3 increases synthesis of the vitamin K–dependent bone protein by osteosarcoma cells. Price PA, et al. **J Biol Chem** 1980 Dec 25;255(24):11660–3
Differential compartmentation of leucine for oxidation and for protein synthesis in cultured skeletal muscle. Schneible PA, et al. **J Biol Chem** 1981 May 25;256(10):4888–94
Control of specific protein biosynthesis during the adipose conversion of 3T3 cells. Spiegelman BM, et al. **J Biol Chem** 1980 Sep 25;255(18):8811–18
mRNA for the rat uterine estrogen–induced protein. Translation in vitro and regulation by estrogen. Walker MD, et al. **J Biol Chem** 1981 Jan 10;256(1):23–6
Synthesis of heat–shock proteins by cells undergoing myogenesis. Atkinson BG. **J Cell Biol** 1981 Jun; 89(3):666–73
Integrity of mitochondria in a mammalian cell mutant defective in mitochondrial protein synthesis. Burnett KG, et al. **J Cell Biol** 1981 Jul;90(1):108–15
Inhibitory effect of cyclic adenosine 2',3'–monophosphate on leucine incorporation by L5178Y cells. Fuhr JE, et al. **J Cell Physiol** 1980 Apr;103(1):71–5
Cellular responses to stress: comparison of a family of 71—73–kilodalton proteins rapidly synthesized in rat tissue slices and canavanine–treated cells in culture. Hightower LE, et al. **J Cell Physiol** 1981 Aug;108(2):261–75
The accumulation of three specific proteins related to glucose–regulated proteins in a temperature–sensitive hamster mutant cell line K12. Lee AS. **J Cell Physiol** 1981 Jan;106(1):119–25
Mitochondrial protein synthesis in Chinese hamster cells (line CHO) synchronized by isoleucine deprivation. Ley KD. **J Cell Physiol** 1980 May;103(2):255–62
Evidence for control of protein synthesis in HeLa cells via the elongation rate. Nielsen PJ, et al. **J Cell Physiol** 1980 Sep;104(3):269–81
Fidelity of protein synthesis does not decline during aging of cultured human fibroblasts. Wojtyk RI, et al. **J Cell Physiol** 1980 May;103(2):299–303
The secretion of proteins in vitro from Xenopus oocytes and their accessory cells: a biochemical and morphological study. Mohun TJ, et al. **J Embryol Exp Morphol** 1981 Feb; 61:367–83
Dependence on protein synthesis of the N6–monobutyryl cyclic AMP plus theophylline mediated release of luteinizing hormone induced by luteinizing hormone releasing hormone from rat pituitary glands in vitro. de Koning J, et al. **J Endocrinol** 1981 Mar;88(3):329–38
Biochemical and biological characterization of lymphocyte regulatory molecules. V. Identification of an interleukin 2–producing human leukemia T cell line. Gillis S, et al. **J Exp Med** 1980 Dec 1;152(6):1709–19
Changes in protein synthesis following fertilization of the mouse ovum. Chen HY, et al. **J Exp Zool** 1980 Jun; 212(3):355–60
Changes in protein synthesis following fertilization of the mouse ovum. Chen HY, et al. **J Exp Zool** 1980 Jun; 212(3):355–60
Changes in RNA and protein synthesis in the neural retina during lens regeneration in newts. Gulati AK. **J Exp Zool** 1980 Oct;214(1):101–8
Biosynthetic rates of proteins having the characteristics of glucocorticoid receptors in adipocytes of mature and senescent rats. Chang WC, et al. **J Gerontol** 1981 Jul; 36(4):386–90
Effect of Bacillus Calmette–Guérin on the in vitro generation of cytotoxic T lymphocytes. I. Effect of BCG on the frequency of cytotoxic T lymphocyte precursors and on the production of helper factors. Kendall L, et al. **J Immunol** 1981 Jul;127(1):234–8
A two–dimensional electrophoretic analysis of protein synthesis in resting and growing lymphocytes in vitro. Lester EP, et al. **J Immunol** 1981 Apr;126(4):1428–34
Production of lymphocyte–activating factor (Interleukin 1) by macrophages activated with colony–stimulating factors. Moore RN, et al. **J Immunol** 1980 Sep;125(3):1302–5
Genomic organization of the 87A7 and 87Cl heat–induced loci of Drosophila melanogaster. Ish–Horowicz D, et al. **J Mol Biol** 1980 Sep 15;142(2):231–45
Impairment of protein synthesis in the retinal tissue in diabetic rabbits: secondary reduction of fast axonal transport. Chihara E. **J Neurochem** 1981 Jul;37(1):247–50
Protein synthesis in rat brain microvessels decreases with aging. Gozes I, et al. **J Neurochem** 1981 Mar;36(3):1311–5
Effect of peptides of bovine myelin basic protein on dermal fibroblasts. Chiang TM, et al. **J Neurosci Res** 1980; 5(5):439–45
Effect of rate of catabolism of DL–[1–14C]lysine on estimation of whole body protein synthesis in rats. Buckley WT, et al. **J Nutr** 1981 May;111(5):772–6
Estimation of whole body protein synthesis in rats by single injection of L–[1–14C]leucine or DL–[1–14C]lysine. Buckley WT, et al. **J Nutr** 1981 May;111(5):763–71
Studies on the influence of tryptophan and related compounds on hepatic polyribosomes and protein synthesis in the rat. Sidransky H, et al. **J Nutr** 1980 Nov; 110(11):2231–42
Effects of amino acid imbalance on polysome profiles and 14C–labeled amino acid incorporation into tissue proteins in rats. Yasukawa T, et al. **J Nutr Sci Vitaminol (Tokyo)** 1980;26(5):461–73
Na+, K+–dependent ATPase activity and effect of K+ on in vitro protein synthesis and NAD pyrophosphorylase in Toxoplasma gondii. Takeuchi T, et al. **J Parasitol** 1980 Aug;66(4):591–5
Post ischemic reperfusion and anoxic perfusion in the isolated heart: alteration in distribution of radionuclides and in protein synthesis. Schreiber SS, et al. **J Physiol (Paris)** 1980; 76(7):777–84
Follicle cell regulation of protein synthesis and developmental competence in sheep oocytes. Crosby IM, et al. **J Reprod Fertil** 1981 Jul;62(2):575–82
Protein, prostaglandin and steroid synthesis in caruncular and intercaruncular endometrium of sheep before implantation. Findlay JK, et al. **J Reprod Fertil** 1981 Jul;62(2):361–77
The role of protein synthesis in regulation of oestradiol–17 beta in the pro–oestrous hamster. Saidapur SK, et al. **J Reprod Fertil** 1981 Jul;62(2):379–84
Protein synthesis by bovine chorion and uterine endometrium during the period of implantation. Wathes DC. **J Reprod Fertil** 1980 Nov;60(2):323–30
Effect of Colchicine, vinblastine, D2O and cytochalasin B on elastase secretion, protein synthesis and fine structure of mouse alveolar macrophages. White RR, et al. **J Reticuloendothel Soc** 1981 Apr;29(4):295–304
Glucocorticoid effects on incorporation of lipid and protein precursors into rat thymus cell fractions. Foley JE, et al. **J Steroid Biochem** 1980 Jan;12:231–43
Role of protein synthesis in rabbit follicular testosterone production. Losier AJ, et al. **J Steroid Biochem** 1981 Mar; 14(3):285–93
Energy considerations for kinetic proofreading in biosynthesis. Blomberg C, et al. **J Theor Biol** 1981 Feb 21;88(4):631–70
An intracellular perfusion system linking pools and protein synthesis. Wheatley DN, et al. **J Theor Biol** 1980 Apr 7; 83(3):437–45
Effects of trauma and partial devascularization on protein synthesis in the avian flexor profundus tendon. Banes AJ, et al. **J Trauma** 1981 Jul;21(7):505–12
Reversion by hypotonic medium of the shutoff of protein synthesis induced by encephalomyocarditis virus. Alonso MA, et al. **J Virol** 1981 Feb;37(2):535–40
Translational control of protein synthesis after infection by vesicular stomatitis virus. Lodish HF, et al. **J Virol** 1980 Dec;36(3):719–33
Vesicular stomatitis virus mRNA and inhibition of translation

of cellular mRNA--is there a P function in vesicular stomatitis virus? Lodish HF, et al. **J Virol** 1981 May; 38(2):504–17

Shutoff of neuroblastoma cell protein synthesis by Semliki Forest virus: loss of ability of crude initiation factors to recognize early Semliki Forest virus and host mRNA's. van Steeg H, et al. **J Virol** 1981 May;38(2):728–36

Myocardial hypertrophy in the rat. Correlation between two experimental models. Genovese A, et al. **Jpn Heart J** 1980 Jul;21(4):511–7

Amiloride inhibits protein synthesis in isolated rat hepatocytes. Fehlmann M, et al. **Life Sci** 1981 Mar 16; 28(11):1295–302

Calcium stimulation of polyphenylalanine synthesis in a bovine heart cell-free system. Ruiz N, et al. **Life Sci** 1980 Dec 15;27(24):2359–65

Alteration of liver microsomal proteins from rainbow trout (Salmo gairdneri) fed cyclopropenoid fatty acids. Selivonchick DP, et al. **Lipids** 1981 Mar;16(3):211–4

RNA and protein synthesis in cultured human fibroblasts derived from donors of various ages. Chen JJ, et al. **Mech Ageing Dev** 1980 Jul;13(3):285–95

The role of infidelity of transfer of information for the accumulation of age changes in differentiated cells. Medvedev ZA. **Mech Ageing Dev** 1980 Sep–Oct; 14(1–2):1–14 (61 ref.)

On the accuracy of protein synthesis in Drosophila melanogaster. Parker J, et al. **Mech Ageing Dev** 1981 Jun; 16(2):127–39

Ageing studies in rat liver. II. Patterns of cellular and cell-free protein synthesis from one to ten months of age. Stone RR, et al. **Mech Ageing Dev** 1981 Apr;15(4):423–9

The effect of age on the initiation of protein synthesis in Drosophila melanogaster. Webster GC, et al. **Mech Ageing Dev** 1981 May;16(1):71–9

Nucleo–cytoplasmic interactions in the petite negative yeast Schizosaccharomyces pombe. Inhibition of nuclear and mitochondrial DNA syntheses in the absence of cytoplasmic protein synthesis. Del Giudice L, et al. **MGG** 1981;181(3):306–8

Spontaneous parthenogenesis in Mus musculus: comparison of protein synthesis in parthenogenetic and normal preimplantation embryos. Petzoldt U, et al. **MGG** 1980; 180(3):547–52

Inhibitory effects of chloramphenicol isomers and other antibiotics on protein synthesis and respiration in procyclic Trypanosoma brucei brucei. Spithill TW, et al. **Mol Biochem Parasitol** 1981 Feb;2(3–4):235–55

Molecular mechanism of protein biosynthesis and an approach to the mechanism of energy transduction. Kaziro Y. **Mol Biol Biochem Biophys** 1980;32:333–46

Interaction between membrane properties and protein synthesis in reticulocytes: influence of trypsinization on [3H]–valinomycin action. Herzberg M, et al. **Mol Biol Rep** 1980 Oct 31;6(3):137–41

Protein biosynthesis in cultured human hair follicle cells. Weterings PJ, et al. **Mol Biol Rep** 1980 Oct 31;6(3):153–8

Synthesis of androgen–dependent secretory proteins by rat seminal vesicles. Higgins SJ, et al. **Mol Cell Endocrinol** 1981 Mar;21(3):255–62

Loss and restoration of sensitivity to epinephrine in cultured BHK cells: effect of inhibitors of RNA and protein synthesis. Morishima I, et al. **Mol Pharmacol** 1980 Nov; 18(3):370–8

Inhibition of synthesis of lung proteins by halothane. Wartell SA, et al. **Mol Pharmacol** 1981 May;19(3):520–4

Normal and dystrophic embryonic chicken pectoralis muscle cultures: I. Cell differentiation, protein synthesis, and enzyme levels. Young RB, et al. **Muscle Nerve** 1981 Mar–Apr;4(2):117–24

Dual ionic controls for the activation of protein synthesis at fertilization. Winkler MM, et al. **Nature** 1980 Oct 9; 287(5782):558–60

Effect of cigarette smoke on protein synthesis in brain and liver. Sershen H, et al. **Neuropharmacology** 1981 May; 20(5):451–6

Four Drosophila heat shock genes at 67B: characterization of recombinant plasmids. Craig EA, et al. **Nucleic Acids Res** 1980 Oct 10;8(19):4441–57

Two genes for the major heat-shock protein of Drosophila melanogaster arranged as an inverted repeat. Goldschmidt-Clermont M. **Nucleic Acids Res** 1980 Jan 25; 8(2):235–52

Analysis of proteins synthesized in vitro by the erythrocytic stages of Plasmodium knowlesi. McColm AA, et al. **Parasitology** 1980 Aug;81(1):177–98

Effects of ethanol on protein synthesis and secretion. Rothschild MA, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:31–6 (39 ref.)

Apparent involvement of protein synthesis and LH–RH in the inhibition by dihydrotestosterone of estrogen–induced sexual receptivity in the ovariectomized mouse. Gray HE, et al. **Physiol Behav** 1978 DEC;21(6):973–7

Blastocyst–endometrial interactions and protein synthesis during pre–implantation development in the pig studied in vitro. Rice C, et al. **Placenta** 1981 Apr–Jun;2(2):129–42

Evidence for a higher molecular weight precursor of cholesterol side–chain–cleavage cytochrome P–450 and induction of mitochondrial and cytosolic proteins by corticotropin in adult bovine adrenal cells. DuBois RN, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):1028–32

The energy relay: a proofreading scheme based on dynamic cooperativity and lacking all characteristic symptoms of kinetic proofreading in DNA replication and protein synthesis. Hopfield JJ. **Proc Natl Acad Sci USA** 1980 Sep; 77(9):5248–52

Developmental regulation of secretory protein synthesis in rat seminal vesicle. Kistler MK, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):737–41

A cellular protein that associates with the transforming protein of Rous sarcoma virus is also a heat–shock protein. Oppermann H, et al. **Proc Natl Acad Sci USA** 1981 Feb; 78(2):1067–71

Recovery of protein synthesis after heat shock: prior heat treatment affects the ability of cells to translate mRNA. Petersen NS, et al. **Proc Natl Acad Sci USA** 1981 Mar; 78(3):1708–11

Synthesis of new proteins associated with the induction of interferon in human fibroblast cells. Raj NB, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4918–22

Cupric ion stimulation of mitochondrial protein synthesis and dependence on the osmolarity of incubation medium. Tarsio JF, et al. **Proc Soc Exp Biol Med** 1981 Jul; 167(3):438–41

Sleep as a restorative process and a theory to explain why. Adam K. **Prog Brain Res** 1980;53:289–305 (132 ref.)

The response of rat hind limbs to X irradiation: a possible role for protein synthesis. Weissberg JB, et al. **Radiology** 1981 May;139(2):489–90

Effect of spermatozoa on the incorporation of precursors into endometrial macromolecules. Hicks JJ. **Reproduccion** 1981 Jan–Mar;5(1):59–64

Effect of LH–RH, gonadotrophins or sex hormones on protein synthesis in hypothalamus and pituitaryof immature female rat in vitro. Diaz–Chico BN, et al. **Rev Esp Fisiol** 1980 Sep;36(3):249–53

Mitochondrial heterogeneity in Aspergillus nidulans: in vivo protein biosynthetic activities of the mitochondrial populations. Montoya J, et al. **Rev Esp Fisiol** 1980 Dec; 36(4):427–31

Synthetic activity in cell–free systems of ribosomes subunits isolated from Bufo bufo unfertilized eggs. Manelli H, et al. **Riv Biol** 1980;73(3):385–404 **(Eng, Ita)**

The induction of suppressor T cells by concanavalin A is independent of cellular proliferation and protein synthesis. Shand FL, et al. **Scand J Immunol** 1980;12(3):223–31

Pattern of peptide synthesis in Drosophila cell lines and their hybrids. Berger E, et al. **Somatic Cell Genet** 1980 Nov; 6(6):719–29

Biochemical and genetic evidence for a new class of emetine–resistant Chinese hamster cells with alterations in the protein biosynthetic machinery. Wasmuth JJ, et al. **Somatic Cell Genet** 1980 Jul;6(4):495–516

Aspects of the role of the endoplasmic reticulum in protein synthesis. Svardal AM, et al. **Subcell Biochem** 1980; 7:117–70 (330 ref.)

A study of cartilaginous fusions, DNA synthesis, and protein synthesis in embryonic rat limbs after injection of aminothiadiazole. Wotring GE, et al. **Teratology** 1980 Jun; 21(3):381–96

Cardiac muscle hypertrophy and protein synthesis. Dowell RT. **Tex Rep Biol Med** 1979;39:93–4

Ia antigen–stimulated proliferation and IL–2 production in the syngeneic mixed lymphocyte reaction. Lattime EC, et al. **Transplant Proc** 1981 Mar;13(1 Pt 2):1055–6

Inhibition of protein synthesis by vaccinia virus. III. The effect of ultraviolet–irradiated virus on the inhibition of protein synthesis. Bablanian R, et al. **Virology** 1981 Jul 15; 112(1):1–12

Inhibition of protein synthesis by vaccinia virus. IV. The role of low–molecular–weight viral RNA in the inhibition of protein synthesis. Bablanian R, et al. **Virology** 1981 Jul 15;112(1):13–24

Regulation of protein synthesis in HEp–2 cells and their cytoplasmic extracts after poliovirus infection. Bossart W, et al. **Virology** 1981 Jun;111(2):555–67

Studies on interferon priming: cellular response to viral and nonviral inducers and requirement of protein synthesis. Fujita T, et al. **Virology** 1981 Jul 15;112(1):62–9

Regulation of interferon action in human fibroblasts: transient induction of specific proteins and amplification of the antiviral response by antinomycin D. Gupta SL, et al. **Virology** 1981 Jun;111(2):331–40

Replication of flaviviruses: separation of membrane translation sites of Kunjin virus proteins and of cell proteins. Westaway EG, et al. **Virology** 1980 Oct 15; 106(1):107–22

The specific labeling in hypertonic medium of a spleen protein. Diringer H, et al. **Z Naturforsch [C]** 1981 Jan–Feb; 36(1–2):183–8

[The effect of refeeding after a few days of glucose administration on the synthesis of DNA and proteins in rat liver] Simek J, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1980;23(2):149–57 (Eng. Abstr.) **(Cze)**

[One of the roles of the frequency of the utilization of codons in protein biosynthesis] Labouygues JM. **Agressologie** 1980; 21(5):245–51 (Eng. Abstr.) **(Fre)**

[Action of a dithiocarbamate (zinebe) on the liver biosynthesis of RNA and proteins in the rat (author's transl)] Moulé Y. **Toxicol Eur Res** 1978;1(5):283–8 (Eng. Abstr.) **(Fre)**

[Insulin and in vitro protein synthesis of isolated liver ribosomes in experimental acute uraemia (author's transl)] Pils P, et al. **Acta Med Austriaca** 1980;7(4–5):104–6 (Eng. Abstr.) **(Ger)**

[Influence of procaine and nicotinoyl–procaine on enzyme activities, nucleic acid and protein synthesis in primary cultures of heart and skeletal muscle cells of rats (author's transl)] Freimüller B, et al. **Arzneimittelforsch** 1980; 30(10):1641–3 (Eng. Abstr.) **(Ger)**

[Effect of (+)–catechin on protein and basal membrane collagen synthesis in isolated glomeruli of diabetic and nondiabetic rats] Hasslacher C. **Arzneimittelforsch** 1980; 30(6):1028–30 (Eng. Abstr.) **(Ger)**

[Nucleic acid and protein synthesis of splenic lymphocytes of the rat under the influence of mucopolysaccharide–polysulfuric acid–esters (author's transl)] Tempel K. **Arzneimittelforsch** 1980;30(7):1119–23 (Eng. Abstr.) **(Ger)**

[The translation of the program–information about the protein–synthesis in the liver in chronic liver diseases (author's transl)] Damjanow B, et al. **Dtsch Z Verdau Stoffwechselkr** 1980;40(3–4):127–31 (Eng. Abstr.) **(Ger)**

[Kinetic tracer studies on protein synthesis during infancy using chemically defined diets containing 15N–lysine as a tracer (author's transl)] Richter I, et al. **Dtsch Z Verdau Stoffwechselkr** 1981;41(2):89–98 **(Ger)**

[Biochemical basis of protein synthesis] Grünert A. **Klin Anaesthesiol Intensivther** 1980;21:37–51 **(Ger)**

[DNA and proteins in the regenerating liver of rats treated with tetanus toxin] Rossolini A, et al. **Boll Ist Sieroter Milan** 1980 Jan 31;58(6):509–11 (Eng. Abstr.) **(Ita)**

[Studies on the interrelationship among serum estrogen levels, estrogen receptors (unbound cytoplasmic, bound cytoplasmic and bound nuclear), RNA syntheses and protein syntheses in the normal endometrial tissues (author's transl)] Kim PY. **Nippon Naibunpi Gakkai Zasshi** 1980 Sep 20;56(9):1151–71 (Eng. Abstr.) **(Jpn)**

[A study of the effect of dihydrotestosterone on cultured human fibroblasts--with special reference to the hormone effect on the synthesis of proteins, collagen and DNA in fibroblasts (author's transl)] Ozasa H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Oct; 32(10):1567–74 (Eng. Abstr.) **(Jpn)**

[Translation of chicken interferon messenger in a cell–free protein synthesis system and in a cell culture] Sokolova TM, et al. **Antibiotiki** 1981 Jul;26(7):537–45 (Eng. Abstr.) **(Rus)**

[Age–dependent synthesis of nucleic acids and proteins in the livers of different lines of rats] Bozhkov AI, et al. **Biokhimiia** 1980 Jan;45(1):113–7 (Eng. Abstr.) **(Rus)**

[Dynamics of protein synthesis in several organs of mice with fluorosis] Avtsyn AP, et al. **Biull Eksp Biol Med** 1981 Feb; 91(2):148–50 (Eng. Abstr.) **(Rus)**

[Relation between membrane potential changes and DNA, RNA and protein synthesis in regenerating liver cells after partial hepatectomy] Frol'kis VV, et al. **Biull Eksp Biol Med** 1981 Mar;91(3):362–4 (Eng. Abstr.) **(Rus)**

[Effect of gamma–aminobutyric acid and gamma–hydroxybutyric acid on the rate of 14C–leucine incorporation into proteins of the gastric mucosa and hypothalamus] Mirzoian SA, et al. **Biull Eksp Biol Med** 1980 Sep;90(9):299–300 (Eng. Abstr.) **(Rus)**

[Role of polyamines in regulating the circahoral rhythm of protein synthesis in the cell] Nechaeva NV, et al. **Biull Eksp Biol Med** 1980 Aug;90(8):211–3 (Eng. Abstr.) **(Rus)**

[Protein synthesis in different rabbit embryo tissues in the presence of utero–placental ischemia] Zhakhova ZN, et al. **Biull Eksp Biol Med** 1980 Nov;90(11):605–7 (Eng. Abstr.) **(Rus)**

[Stimulating effect of dibunol on macromolecular biosynthesis] Alesenko AV, et al. **Dokl Akad Nauk SSSR** 1980;254(6):1472–5 **(Rus)**

[Mammalian protein synthesis in the cytoplasm of a plant cell] Beliaev ND, et al. **Ontogenez** 1980;11(3):323–6 (Eng. Abstr.) **(Rus)**

[Eimeria tenella sporozoite utilization of exogenous 14C–glycine for protein synthesis] Krylov IuM, et al. **Parazitologiia** 1980 Nov–Dec;14(6):531–3 **(Rus)**

[Effect of protein synthesis on the DNA repair process in the tissues of irradiated animals] Ivannik BP, et al. **Radiobiologiia** 1980 Nov–Dec;20(6):833–7 (Eng. Abstr.) **(Rus)**

[Effect of an industrial–frequency electromagnetic field on protein biosynthesic processes of embryonal fibroblasts in tissue culture] Kovalev SP. **Tsitologiia** 1980 Apr; 22(4):487–93 (Eng. Abstr.) **(Rus)**

[Effect of carbostimulin on biosynthetic processes in rabbits with alloxan diabetes] Gulyi MF, et al. **Ukr Biokhim Zh** 1980 Sep–Oct;52(5):632–5 (Eng. Abstr.) **(Rus)**

[[14C] Alanine incorporation into proteins and their contents in the tissue of intact and adrenalectomized rabbits after hydrocortisone and cortitropin administration] Mishuna TM, et al. **Ukr Biokhim Zh** 1980 Sep–Oct;52(5):587–92 (Eng. Abstr.) **(Rus)**

[Effect of vitamin E an actinomycin D on protein and RNA synthesis in rat liver] Palivoda OM, et al. **Ukr Biokhim Zh** 1981 Jan–Feb;53(1):67–71 (Eng. Abstr.) **(Rus)**

[Effect of hydrocortisone and insulin on (14C)-glycine and (3H)-methionine incorporation into spleen proteins in alloxan-diabetic rats] Sidorenko DC. **Ukr Biokhim Zh** 1980 Nov-Dec;52(6):771-7 **(Rus)**

[Structure and biosynthetic functions of rat liver mitochondrial fractions] Golubev VP, et al. **Vopr Med Khim** 1980 May-Jun;26(3):312-8 (Eng. Abstr.) **(Rus)**

[Effect of neurohormone C and hexapeptide on incorporation of labeled amino acids into the proteins of different organs] Karapetian LA, et al. **Vopr Med Khim** 1980 Mar-Apr; 26(2):200-3 (Eng. Abstr.) **(Rus)**

[Changes in protein metabolism during the treatment of peptic ulcer with cholinergic blockaders in combination with stimulators of protein synthesis and amino acid mixtures] Degtiareva II. **Vrach Delo** 1980 Nov;(11):76-82 (Eng. Abstr.) **(Rus)**

[The effect of a new C-nucleoside on protein synthesis (author's transl)] Barriga C, et al. **Arch Farmacol Toxicol** 1980 Aug;6(2):139-44 (Eng. Abstr.) **(Spa)**

DIAGNOSTIC USE

[Use of pereflat in the systematic preparation for echography exams of the abdomen and of the pelvis (apropos of 1000 cases)] Bruneton JN, et al. **Med Chir Dig** 1981;10(1):77-9 **(Fre)**

GENETICS

Homozygosity for Pc 1 Duarte-like protein in primates and other animals. Comings DE, et al. **Am J Hum Genet** 1981 Jan;33(1):134-7

Chemical classification of cattle. 1. Breed groups. Baker CM, et al. **Anim Blood Groups Biochem Genet** 1980;11(3):127-50

Chemical classification of cattle. 2. Phylogenetic tree and specific status of the Zebu. Manwell C, et al. **Anim Blood Groups Biochem Genet** 1980;11(3):151-62

Rare allele heterozygosity and relative electromorph mutation rates in man. Bhatia KK. **Ann Hum Biol** 1981 May-Jun;8(3):263-76

Organization and expression of eucaryotic split genes coding for proteins. Breathnach R, et al. **Annu Rev Biochem** 1981; 50:349-83 (283 ref.)

Isolation of recombinant plasmids containing structural gene sequences for rat seminal vesicle secretory proteins IV and V. Kistler MK, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1161-6

Molecular polymorphism of ciliary proteins from different species of the ciliate Tetrahymena. Seyfert HM, et al. **Biochem Genet** 1981 Apr;19(3-4):385-96

Sequence of three copies of the gene for the major Drosophila heat shock induced protein and their flanking regions. Ingolia TD, et al. **Cell** 1980 Oct;21(3):669-79

Protein component from Drosophila larval nuclei showing sequence specificity for a short region near a major heat-shock protein gene. Jack RS, et al. **Cell** 1981 May; 24(2):321-31

DNA sequences flanking the starts of the hsp 70 and alpha beta heat shock genes are homologous. Lis J, et al. **Dev Biol** 1981 Apr 30;83(2):291-300

The maternal inheritance of proteins synthesized in mammalian mitochondria. Yatscoff RW, et al. **Exp Cell Res** 1981 Feb;131(2):417-9

Protein variation and duplicate loci in the Atlantic salmon, Salmo salar L. Cross TF, et al. **Genet Res** 1980 Oct; 36(2):147-65

Protein polymorphism and the SAS-CFF model [letter] Nei M. **Genetics** 1980 Apr;94(4):1085-7

Lack of genic variation in the abundant proteins of human kidney. Smith SC, et al. **Genetics** 1980 Dec;96(4):967-74

Alterations in translatable ribonucleic acid after heat shock of Saccharomyces cerevisiae. McAlister L, et al. **J Bacteriol** 1980 Aug;143(2):603-12

Regulated transcription of the genes for actin and heat-shock proteins in cultured Drosophila cells. Findly RC, et al. **J Cell Biol** 1981 Feb;88(2):323-8

Genetic variation in the proteins of human nail. Marshall RC. **J Invest Dermatol** 1980 Sep;75(3):264-9

Theoretical foundations for quantitative paleogenetics. Part III: The molecular divergence of nucleic acids and proteins for the case of genetic events of unequal probability. Holmquist R, et al. **J Mol Evol** 1980 Dec;16(3-4):211-67

Mapping the gene for LTW-4, a 26,000 molecular weight major protein of mouse liver and kidney. Elliott RW, et al. **MGG** 1980;180(1):17-22

Causes of more frequent deletions than insertions in mutations and protein evolution. de Jong WW, et al. **Nature** 1981 Mar 12;290(5802):157-9

How much genetic variation? [news] Jones JS. **Nature** 1980 Nov 6;288(5786):10-1

Evolution of the 87A and 87C heat-shock loci in Drosophila. Leigh Brown AJ, et al. **Nature** 1981 Apr 23; 290(5808):677-82

Multiple phases of nucleosomes in the hsp 70 genes of Drosophila melanogaster. Levy A, et al. **Nucleic Acids Res** 1980 Dec 20;8(24):6059-68

Selection and sequence analysis of a cDNA clone encoding a known chorion protein of the A family. Tsitilou SG, et al. **Nucleic Acids Res** 1980 May 10;8(9):1987-97

Periodicity in DNA primary structure is defined by secondary structure of the coded protein. Zhurkin VB. **Nucleic Acids Res** 1981 Apr 24;9(8):1963-71

Genetic divergence between rodent species assessed by using two-dimensional electrophoresis. Aquadro CF, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3784-8

Four heat shock proteins of Drosophila melanogaster coded within a 12-kilobase region in chromosome subdivision 67B. Corces V, et al. **Proc Natl Acad Sci USA** 1980 Sep; 77(9):5390-3

Sequence homologies in the 5' regions of four Drosophila heat-shock genes. Holmgren R, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3775-8

Electrophoretically detected germinal mutations induced in the mouse by ethylnitrosourea. Johnson FM, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):3138-41

Search for mutations affecting protein structure in children of atomic bomb survivors: preliminary report. Neel JV, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4221-5

Rate of spontaneous mutation at human loci encoding protein structure. Neel JV, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):6037-41

Translational control in lysates of Drosophila melanogaster cells. Scott MP, et al. **Proc Natl Acad Sci USA** 1981 Jun; 78(6):3353-7

Method to determine the reading frame of a protein from the purine/pyrimidine genome sequence and its possible evolutionary justification. Shepherd JC. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1596-600

An evaluation of the significance of amino acid sequence homologies in human histocompatibility antigens (HLA-A and HLA-B) with immunoglobulins and other proteins, using relatively short sequences. Strominger JL, et al. **Scand J Immunol** 1980;11(6):573-92

The complete index to man [news] Wade N. **Science** 1981 Jan 2;211(4477):33-5

A model of electrophoretic variation: finite populations and finite numbers of mutable sites. Wehrhahn CF, et al. **Theor Popul Biol** 1980 Aug;18(1):1-15

Neutral changes revisited. Jukes TH. **UCLA Forum Med Sci** 1979;(21):203-19

[Effect of stabilizing selection of the frequency distribution of allele loci coding proteins] Dubrova IuE. **Dokl Akad Nauk SSSR** 1980;252(2):472-5 **(Rus)**

[Genetic-biochemical analysis of the salivary gland secretion proteins of Drosophila melanogaster larvae] Kokoza VA, et al. **Dokl Akad Nauk SSSR** 1980;252(3):735-8 **(Rus)**

[Nonhistone chromatin proteins of normal and tumor cells] Gershun VA. **Tsitologiia** 1980 Aug;22(8):875-89 (247 ref.) **(Rus)**

[Genetic code degeneration and protein amino acid makeup] Ivanov VN. **Zh Evol Biokhim Fiziol** 1981 May-Jun; 17(3):293-6 (18 ref.) **(Rus)**

IMMUNOLOGY

Immunological characterization of fibrous protein isolated from human stratum corneum. Ogawa H, et al. **Arch Dermatol Res** 1980;268(1):71-8

Monoclonal antibodies against chromosomal proteins of Drosophila melanogaster: establishment of antibody producing cell lines and partial characterization of corresponding antigens. Saumweber H, et al. **Chromosoma** 1980;80(3):253-75

Lymphocyte specificity to protein antigens. III. Capacity of low responder mice to beef cytochrome c to respond to a peptide fragment of the molecule. Corradin G, et al. **Eur J Immunol** 1981 Feb;11(2):115-9

Elicitation of anti-vesicular stomatitis virus cytotoxic T lymphocytes by using purified viral and cellular antigens incorporated into phospholipid vesicles. Ruebush MJ, et al. **Infect Immun** 1981 May;32(2):513-7

Lymphocyte stimulation by gangliosides, cerebrosides and basic protein in juvenile rheumatoid arthritis. Offner H, et al. **J Clin Lab Immunol** 1981 Jul;6(1):35-7

Antigen-specific helper factor reacts with antibodies to human beta 2 microglobulin. Lamb JR, et al. **J Immunol** 1981 Jul;127(1):231-4

The role of subcellular factors in pulmonary immune function: physicochemical characterization of two distinct species of lymphocyte-activating factor produced by rabbit alveolar macrophages. Simon PL, et al. **J Immunol** 1981 Apr;126(4):1534-41

Effects of hyaluronidase and neuraminidase on immunoreactivity histidine-rich protein in newborn rat epidermis. Kimura H, et al. **J Invest Dermatol** 1981 Jun; 76(6):452-8

Immunochemical identity of 'decidualization-associated protein' and alpha 2 acute-phase macroglobulin in the pregnant rate. Bell SC. **J Reprod Immunol** 1979 OCT; 1(3):193-206

Mediator production and tumorigenesis of murine monocyte lines. Yamamura Y, et al. **JNCI** 1981 Jun;66(6):1067-75

Proteins and polypeptides as antigens. Maurer PH, et al. **Methods Enzymol** 1980;70(A):49-70

Use of glutaraldehyde as a coupling agent for proteins and peptides. Reichlin M. **Methods Enzymol** 1980;70(A):159-65

SV40 large T shares an antigenic determinant with a cellular protein of molecular weight 68,000. Lane DP, et al. **Nature** 1980 Nov 13;288(5787):167-70

Presence of autoantibody for phospholipase inhibitory protein, lipomodulin, in patients with rheumatic diseases. Hirata F, et al. **Proc Natl Acad Sci USA** 1981 May; 78(5):3190-4

Prediction of protein antigenic determinants from amino acid sequences. Hopp TP, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3824-8

H-2-restricted antigen binding by a hybridoma clone that produces antigen-specific helper factor. Lonai P, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):549-53

Culture supernatants of a stimulated T-cell line have helper activity that acts synergistically with interleukin 2 in the response of B cells to antigen. Swain SL, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2517-21

[Induction and pathogenesis of chronic hepatitis experimentally induced in rabbits (author's transl)] Manns M, et al. **Immun Infekt** 1980;8(1):22-7 (Eng. Abstr.) **(Ger)**

[Immunomorphological study of the structural proteins of the aortic wall in experimental atherosclerosis in rabbits] Ivanovskiĭ IuV, et al. **Arkh Patol** 1980;42(6):33-40 (Eng. Abstr.) **(Rus)**

[Terminal circulation in dogs with anaphylaxis induced by an ascarid protein fraction] Sapach VK, et al. **Med Parazitol (Mosk)** 1980 Nov-Dec;49(6):53-7 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Preparative polyacrylamide gel electrophoresis: removal of polyacrylate from proteins. Brooks KP, et al. **Anal Biochem** 1980 Sep 1;107(1):182-6

Removing unbound detergent from hydrophobic proteins. Furth AJ. **Anal Biochem** 1980 Dec;109(2):207-15 (49 ref.)

Elution of proteins from sodium dodecyl sulfate-polyacrylamide gels, removal of sodium dodecyl sulfate, and renaturation of enzymatic activity: results with sigma subunit of Escherichia coli RNA polymerase, wheat germ DNA topoisomerase, and other enzymes. Hager DA, et al. **Anal Biochem** 1980 Nov 15;109(1):76-86

Improved separation of high-molecular-weight proteins by preparative sodium dodecyl sulfate--gel electrophoresis: application to apolipoprotein B. Hardman DA, et al. **Anal Biochem** 1980 Jun;105(1):174-80

Protein recovery from gel slices by steady-state stacking: an apparatus for the simultaneous extraction and concentration of ten samples. Nguyen NY, et al. **Anal Biochem** 1980 Jul 15;106(1):78-91

A simple and rapid method for the quantitative isolation of proteins from polyacrylamide gels. Otto M, et al. **Anal Biochem** 1981 Feb;111(1):111-4

Reverse-phase high-performance liquid chromatography of proteins: the separation of hemoglobin chain variants. Petrides PE, et al. **Anal Biochem** 1980 Jul 1;105(2):383-8

Variables in the high-performance anion-exchange chromatography of proteins. Vanecek G, et al. **Anal Biochem** 1980 Dec;109(2):345-53

Very-high-resolution two-dimensional gel electrophoresis of proteins using giant gels. Voris BP, et al. **Anal Biochem** 1980 May 15;104(2):478-84

Isolation and characterization of ovine testicular and ovarian inhibin. Vijayalakshmi S, et al. **Arch Androl** 1980 Sep; 5(2):179-88

beta-Glucosidase activator protein from bovine spleen ('coglucosidase'). Berent BL, et al. **Arch Biochem Biophys** 1981 Apr 15;208(1):248-60

Chemical nature of proteins in the placoid scale of the blue shark, Prionace glauca L. Kawasaki H, et al. **Arch Oral Biol** 1980;25(5):313-20

Preparative high speed gel permeation chromatography of proteins on Toyopearl HW55F. Germershausen J, et al. **Biochem Biophys Res Commun** 1981 Apr 15;99(3):1020-7

Purification and phosphorylation of human initiation factor eIF-2. Jakubowicz T, et al. **Biochem Biophys Res Commun** 1980 Dec 31;97(4):1420-8

Zonal immobilization of proteins. Shainoff JR. **Biochem Biophys Res Commun** 1980 Jul 31;95(2):690-5

The bioadhesive of Mytilus byssus: a protein containing L-dopa. Waite JH, et al. **Biochem Biophys Res Commun** 1980 Oct 31;96(4):1554-61

Heterogeneity of proteins resembling high-mobility-group protein HMG-T in trout testes nuclei. Brown E, et al. **Biochem J** 1980 Nov 1;191(2):661-4

Isolation and partial structural characterization of chicken pancreatic colipase. Bosc-Bierne I, et al. **Biochim Biophys Acta** 1981 Feb 27;667(2):225-32

Restriction fragment primed phi X174 single-stranded DNA as template for DNA polymerase alpha and beta. Detection and partial purification of a polymerase alpha stimulating factor. Burke JF, et al. **Biochim Biophys Acta** 1980 Sep 19;609(2):205-23

Purification and characterization of protein synthesis initiation factor eIF-3 from wheat germ. Ceglarz E, et al. **Biochim Biophys Acta** 1980 Nov 14;610(1):181-8

Similarities between stratum corneum basic protein and histidine-rich protein II from newborn rat epidermis. Dale BA, et al. **Biochim Biophys Acta** 1981 Mar 27;668(1):98-106

Stimulatory factor for tRNA aminoacylation: possible product of modifier genes in Drosophila melanogaster. Hiatt V, et al. **Biochim Biophys Acta** 1980 Oct 17; 609(3):400-9

Activation of pigeon erythrocyte adenylate cyclase by cholera toxin. Partial purification of an essential macromolecular factor from horse erythrocyte cytosol. Le Vine H 3d, et al. **Biochim Biophys Acta** 1981 Feb 5; 672(3):248-61

Modulation of the epsilon-(gamma-glutamic)lysine cross-link in cellular proteins. II. Fractionation studies.

Loewy AG, et al. **Biochim Biophys Acta** 1981 Mar 27; 668(1):177–85

High-resolution two-dimensional electrophoretic analysis of acidic, basic and surface proteins of mouse neutrophils. Watt SM, et al. **Biochim Biophys Acta** 1981 Jan 22; 640(2):583–94

Crotalocytin: recognition and purification of a timber rattlesnake platelet aggregating protein. Schmaier AH, et al. **Blood** 1980 Dec;56(6):1013–9

Identification of the major protein adduct formed in rat liver after thioacetamide administration. Dyroff MC, et al. **Cancer Res** 1981 Sep;41(9 Pt 1):3430–5

[35S]-methionine labelled polypeptides from HELA cells. Coordinates and percentage of some major polypeptides. Bravo R, et al. **Cell Biol Int Rep** 1981 Jan;5(1):93–6

Immunological analysis of nuclear lamina proteins. Stick R, et al. **Chromosoma** 1980;80(2):219–36

Solubilization and purification of bone morphogenetic protein (BMP) from Dunn osteosarcoma. Hanamura H, et al. **Clin Orthop** 1980 Nov–Dec;(153):232–40

Stabilization of the C-terminal part of pig and horse colipase by carboxypeptidase and trypsin inhibitors. Chapus C, et al. **Eur J Biochem** 1981 Mar 16;115(1):99–105

Isolation of highly active photosystem II particles from a mutant of Chlamydomonas reinhardtii. Diner BA, et al. **Eur J Biochem** 1980 Sep;110(2):521–6

A new fiber-forming protein from Tetrahymena pyriformis. Numata O, et al. **Exp Cell Res** 1980 Sep;129(1):223–30

Purification of a factor from human blood monocyte-macrophages which stimulates the production of collagenase and prostaglandin E2 by cells cultured from rheumatoid synovial tissues. Dayer JM, et al. **FEBS Lett** 1981 Feb 23;124(2):253

Localization, purification, and biological activity of a new aldosterone-stimulating factor. Sen S, et al. **Hypertension** 1981 May–Jun;3(3 Pt 2):I81–6

Isolation of aldosterone-stimulating factor (ASF) and its effect on rat adrenal glomerulosa cells in vitro. Sen S, et al. **Hypertension** 1981 Jan–Feb;3(1):4–10

Some preparative and analytical applications of triazine dyes. Lowe CR, et al. **Int J Biochem** 1981;13(1):33–40 (56 ref.)

Removal of SDS from proteins for immunochemical analyses: a simple method utilizing ultracentrifugation in sucrose density gradients containing non-ionic detergent. Bhakdi S. **J Biochem Biophys Methods** 1980 Jan–Feb;2(1):79–90

Visualization of carrier ampholyte patterns in granular gel slabs. 2. Applications to preparative electrofocusing. Bonitati J. **J Biochem Biophys Methods** 1981 Jan;4(1):49–69

A simple Beckman DU accessory for location of proteins separated by isoelectric focusing in granulated gel layers: isolation of human serum very low density apolipoproteins C-II and C-III-1. Holmquist L, et al. **J Biochem Biophys Methods** 1979 May;1(2):117–27

A millipore--blue dextran affinity binding system. Isseroff RP, et al. **J Biochem Biophys Methods** 1979 May;1(2):85–9

Chromatographic properties of Sephacryl S-300 Superfine. Johansson I, et al. **J Biochem Biophys Methods** 1979; 1(1):37–44

A three-step method for isolating a few to several hundred milligrams of protein. Nguyen NY, et al. **J Biochem Biophys Methods** 1979 Jul;1(3):171–87

Displacement chromatography of simple protein mixtures, using carboxymethyldextrans. Torres AR, et al. **J Biochem Biophys Methods** 1979 Dec;1(6):349–60

Isolation and some properties of a new fiber-forming protein from Tetrahymena pyriformis. Numata O, et al. **J Biochem (Tokyo)** 1980 Nov;88(5):1487–98

Isolation of eukaryotic initiation factor 2 from yeast Saccharomyces cerevisiae. Baan RA, et al. **J Biol Chem** 1981 Feb 10;256(3):1063–6

Affinity electrophoresis in gels containing hydrophobic substituents. Chen JL, et al. **J Biol Chem** 1981 Sep 10; 256(17):9221–3

Purification of a calcium-sensitive actin gelation protein from Acanthamoeba. Pollard TD. **J Biol Chem** 1981 Jul 25; 256(14):7666–70

Isolation and sequence of the vitamin K-dependent protein from human bone. Undercarboxylation of the first glutamic acid residue. Poser JW, et al. **J Biol Chem** 1980 Sep 25; 255(18):8685–91

Quantitative isolation of oligo- and polyadenosine-diphosphoribosylated proteins by affinity chromatography from livers of normal and dimethylnitrosamine-treated Syrian hamsters. In vivo and in vitro metabolism of the homopolymer. Romaschin AD, et al. **J Biol Chem** 1981 Aug 10;256(15):7800–5

ATP x Mg-dependent protein phosphatase from rabbit skeletal muscle. II. Purification of the activating factor and its characterization as a bifunctional protein also displaying synthase kinase activity. Vandenheede JR, et al. **J Biol Chem** 1980 Dec 25;255(24):11768–74

Use of mixed-mode, high-performance liquid chromatography for the separation of peptide and protein mixtures. Hancock WS, et al. **J Chromatogr** 1981 Feb 6; 206(1):71–82

Use of water-soluble biospecific polymers for the purification of proteins. Hubert P, et al. **J Chromatogr** 1980 Aug 22; 184(3):325–33 (20 ref.)

Constituents of human neutrophils that mediate enhanced adherence to surfaces: purification and identification as acidic proteins of the specific granules. Bockenstedt LK, et al. **J Clin Invest** 1980 Jun;65(6):1372–81

Antigen-specific T lymphocyte clones. II. Purification and biological characterization of an antigen-specific suppressive protein synthesized by cloned T cells. Fresno M, et al. **J Exp Med** 1981 May 1;153(5):1260–74

Human helper T cell factor(s) (ThF). I. Partial purification and characterization. Hirano T, et al. **J Immunol** 1981 Feb; 126(2):517–22

Purification to apparent homogeneity of murine interleukin 1. Mizel SB, et al. **J Immunol** 1981 Mar;126(3):834–7

Purification of human interleukin 1. Lachman LB, et al. **J Supramol Struct** 1980;13(4):457–66

Natriuretic factor in rats acutely expanded by Ringer's versus albumin solution. Louis F, et al. **Kidney Int** 1980 Jul; 18(1):20–8

The use of affinity matrices in the purification of inhibin from bovine follicular fluid. Jansen EH, et al. **Mol Cell Endocrinol** 1981 Feb;21(2):109–17

Isolation and characterization of a bovine seminal plasma protein inhibiting pituitary FSH secretion. Sairam MR, et al. **Mol Cell Endocrinol** 1981 May;22(2):231–50

An oestrogen receptor activator protein in rat uterine cytosol. Thampan TN, et al. **Nature** 1981 Mar 12;290(5802):152–4

Partial purification of human lymphocyte activating factor. Lachman LB, et al. **Prep Biochem** 1980;10(4):387–403

Preparative gel electrophoresis at high sample load. The effect of some experimental variable on separation performance. Saeed SA, et al. **Prep Biochem** 1980; 10(4):445–62

Mode of action of the heme-controlled translational inhibitor: relationship of eukaryotic initiation factor 2-stimulating protein to translation restoring factor. Siekierka J, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):220–3

Chronic interstitial nephritis in the dog: an immunofluorescence and elution study. Spencer AJ, et al. **Res Vet Sci** 1981 Mar;30(2):226–32

[Properties of an anti-arthritic protide from porcine limb bones (author's transl)] Wu WT, et al. **Yao Hsueh Hsueh Pao** 1981 Apr;16(4):241–6 (Eng. Abstr.) **(Chi)**

[Comparative investigations of partial amino acid sequences of prolamines and glutelins from cereals. II. Fractionation of glutelins (author's transl)] Wieser H, et al. **Z Lebensm Unters Forsch** 1980 Dec;171(6):430–6 (Eng. Abstr.) **(Ger)**

[Performance of microimmunoelectrophoresis and discontinuous electrophoresis] Albrecht F. **Z Med Lab Diagn** 1980;21(2):85–8 (Eng. Abstr.) **(Ger)**

[Density-gradient centrifugation in lithium metatungstate and tris-(hydroxymethyl)aminomethane phosphotungstate] Voronina AS, et al. **Mol Biol (Mosk)** 1980;14(1):190–9 (Eng. Abstr.) **(Rus)**

[Changes in the lipid makeup of isolated metaphase chromosomes with their proteins and DNA removed] Nikolaenko NS, et al. **Tsitologiia** 1981 Apr;23(4):433–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Protein metabolism in the tumour-bearing host. Goodlad GA, et al. **Acta Chir Scand [Suppl]** 1980;(498):137–40

Blood serum and synovial fluid in bovine laminitis and arthritis, with particular reference to the protein composition. Andersson L, et al. **Acta Vet Scand** 1980; 21(4):567–77

The effect of acetyl-salicylic-acid pretreatment on re-formed aqueous humor. A study of intracapsular lens extraction in the human eye. Grabner G, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 214(1):61–7

Diurnal pattern of protein and energy metabolism in man: some doubts [letter] Adam K, et al. **Am J Clin Nutr** 1981 Aug;34(8):1624–8

Erythrocytic enzymes and amino acids related to glutamic acid metabolism in childhood hypoproteinemic states. Agarwal KN, et al. **Am J Clin Nutr** 1981 May;34(5):924–7

The metabolic response to yellow fever immunization: protein-sparing modified fast. Bistrian BR, et al. **Am J Clin Nutr** 1981 Feb;34(2):229–37

Effect of diet on the metabolic response to infection: protein-sparing modified fast plus 100 grams glucose and yellow fever immunization. Bistrian BR, et al. **Am J Clin Nutr** 1981 Feb;34(2):238–44

Diurnal pattern of protein and energy metabolism in man. Garlick PJ, et al. **Am J Clin Nutr** 1980 Sep;33(9):1983–6

The protein-sparing action of protein feeding: absence of relationship to insulin secretion. Landau RL, et al. **Am J Clin Nutr** 1981 Jul;34(7):1300–4

Contribution of skeletal muscle protein in elevated rates of whole body protein catabolism in trauma patients. Long CL, et al. **Am J Clin Nutr** 1981 Jun;34(6):1087–93

Whole-body protein metabolism due to trauma in man as estimated by L-[15N]alanine. Birkhahn RH, et al. **Am J Physiol** 1981 Jul;241(1):E64–71

Thoracic duct lymph flow and protein flux dynamics: responses to intravascular saline. Brace RA, et al. **Am J Physiol** 1981 May;240(5):R282–8

Proteolysis in the rat lung: hypoxia and evidence for an inhibitor of proteolysis. Chiang MJ, et al. **Am J Physiol** 1981 Aug;241(2):E101–7

A role for leucine in regulation of protein turnover in working rat hearts. Chua BH, et al. **Am J Physiol** 1980 Dec;239(6):E510–4

Determinants of the glomerular filtration of proteins. Deen WM, et al. **Am J Physiol** 1981 Aug;241(2):F162–70

Decreased turnover of soluble liver proteins in mice with alloxan-induced diabetes. Duncan WE, et al. **Am J Physiol** 1981 Aug;241(2):E151–9

Starvation in the rat. II. Effect of age and obesity on protein sparing and fuel metabolism. Goodman MN, et al. **Am J Physiol** 1980 Oct;239(4):E277–E286

Starvation in the rat. I. Effect of age and obesity on organ weights, RNA, DNA, and protein. Goodman MN, et al. **Am J Physiol** 1980 Oct;239(4):E269–E276

Rates of protein synthesis and turnover in fetal life. Meier PR, et al. **Am J Physiol** 1981 Mar;240(3):E320–4

Use of aromatic amino acids as monitors of protein turnover. Williams IH, et al. **Am J Physiol** 1981 Jun;240(6):E677–81

Effect of intraductal enterokinase, 5-azacytidine and cycloheximide on pancreatic protein content. Mann NS. **Am J Proctol Gastroenterol Colon Rectal Surg** 1980 Sep; 31(9):15–6, 21

Comparison of isolated rat hepatocytes prepared from liver slices and perfused liver with special reference to protein metabolism. Gustavsson B, et al. **Anal Biochem** 1980 Oct; 108(1):76–82

Specificity of bovine enterokinase toward protein substrates. Light A, et al. **Anal Biochem** 1980 Jul 15;106(1):199–206

Occurrence of bio-immuno active inhibin in rat spermatids. Sheth AR, et al. **Andrologia** 1981 May–Jun;13(3):232–5

Disorders of protein and lipid metabolism associated with chronic renal failure and chronic dialysis. Krumlovsky FA **Ann Clin Lab Sci** 1981 Jul–Aug;11(4):350–60 (44 ref.)

Evaluation of protein quality: comparison of single-point and multi-point assays. Benedetti PC, et al. **Ann Nutr Metab** 1981 Jan–Feb;25(1):48–58

The binding of radio-iodinated calmodulin to proteins on denaturing gels. Carlin RK, et al. **Ann NY Acad Sci** 1980; 356:73–4

Aspects of protein dynamics. Karplus M. **Ann NY Acad Sci** 1981;367:407–18

Amino acid control of protein synthesis and degradation in isolated rat hepatocytes. Seglen PO, et al. **Ann NY Acad Sci** 1980;349:1–17

Transfer of proteins across membranes. Kreil G. **Annu Rev Biochem** 1981;50:317–48 (221 ref.)

Inhibition of intracellular protein degradation by pepstatinyl, poly(L-lysine), and pepstatinyl-poly(L-lysine). Campbell P, et al. **Arch Biochem Biophys** 1980 Sep;203(2):676–80

Effects of leupeptin and pepstatin on protein turnover in adult rat hepatocytes in primary culture. Tanaka K, et al. **Arch Biochem Biophys** 1981 Apr 15;208(1):296–304

The effect of sexual hormones on the lipid and proteinaceous secretion of the rat preputial sebaceous gland. Mesquita-Guimarães J, et al. **Arch Dermatol Res** 1981; 270(3):325–31

Metabolic fate of earthworm cadmium-binding proteins in rats. Suzuki KT, et al. **Arch Environ Contam Toxicol** 1980; 9(5):519–31

Covalent binding of polyamines to proteins in HTC cells. Canellakis ZN, et al. **Biochem Biophys Res Commun** 1981 May 29;100(2):675–80

Role of nonenzymatic glycosylation in experimental cataract formation. Chiou SH, et al. **Biochem Biophys Res Commun** 1980 Jul 31;95(2):894–901

Link protein and a hyaluronic acid-binding region as components of aorta proteoglycan. Gardell S, et al. **Biochem Biophys Res Commun** 1980 Aug 29;95(4):1823–31

A protein stimulatory factor for DNA polymerase alpha in rat giant trophoblast cells. Kalf GF, et al. **Biochem Biophys Res Commun** 1981 May 29;100(2):566–75

Polyamine binding by a cytoplasmic factor in the duodenal mucosa of new-born chick. Mezzetti G, et al. **Biochem Biophys Res Commun** 1980 Nov 17;97(1):222–9

Direct demonstration of electron transfer between tryptophan and tyrosine in proteins. Prütz WA, et al. **Biochem Biophys Res Commun** 1980 Sep 16;96(1):408–14

Interference with lysosomal proteolysis fails to reduce cardiac myosin degradation. Wildenthal K, et al. **Biochem Biophys Res Commun** 1980 Sep 30;96(2):793–8

Evidence of heterogeneity of protein-turnover states in cultured cells. Amenta JS, et al. **Biochem J** 1980 Sep 15; 190(3):673–83

Huntington's-chorea fibroblasts. Cellular protein glycosylation. Hung WY, et al. **Biochem J** 1980 Sep 15; 190(3):711–9

Liver total protein in relation to cause of death in man. Dias Lima AM, et al. **Biochem Med** 1981 Feb;25(1):92–7

Inhibition by warfarin enantiomers of prothrombin synthesis, protein carboxylation, and the regeneration of vitamin K from vitamin K epoxide. Bell RG, et al. **Biochem Pharmacol** 1981 Jul 15;30(14):1953–8

In vivo and in vitro irreversible binding of hexamethylmelamine to liver and ovarian tumor macromolecules of mice. Garattini E, et al. **Biochem Pharmacol** 1981 May 15;30(10):1151–4

Effect of captopril on proteins and peptide hormones. Igic RP, et al. **Biochem Pharmacol** 1981 Mar 15;30(6):683–5

(14C) Streptozotocin: its distribution and interaction with nucleic acids and proteins. Masiello P, et al. **Biochem Pharmacol** 1981 Jul 15;30(14):1907–13

Protein carboxymethylation: role in the regulation of cell functions. O'Dea RF, et al. **Biochem Pharmacol** 1981 Jun 1;30(11):1163–8 (65 ref.)

Polyacrylamide-gel-electrophoretic analysis of cultured skin fibroblasts from patients with Duchenne muscular

dystrophy. Burghes AH, et al. **Biochem Soc Trans** 1981 Feb;9(1):118–9

Regulation of proteolysis: implications for the control of protein breakdown within the cell. Kay J. **Biochem Soc Trans** 1980 Aug;8(4):415–7

The effects of glucocorticoids on protein turnover and growth of different striated muscles in the rat. McGrath JA, et al. **Biochem Soc Trans** 1980 Aug;8(4):448–9

Directed entry of hybrid proteins into cells via alternative receptors. Neville DM Jr, et al. **Biochem Soc Trans** 1980 Dec;8(6):692–3

Protein and amino acid turnover during and after exercise. Rennie MJ, et al. **Biochem Soc Trans** 1980 Oct;8(5):499–501

The effect of ionophore A23187 on protein degradation in cultured fibroblasts. Statham HE, et al. **Biochem Soc Trans** 1981 Feb;9(1):78

Muscle protein degradation and amino acid metabolism in human injury. Williamson DH. **Biochem Soc Trans** 1980 Oct;8(5):497

Conformation and assembly characteristics of tubulin and microtubule protein from bovine brain. Clark DC, et al. **Biochemistry** 1981 Mar 31;20(7):1924–32

Kinetic and steady-state analysis of microtubules in the presence of colchicine. Deery WJ, et al. **Biochemistry** 1981 Apr 14;20(8):2316–24

Purification and characterization of a transformation-dependent protein secreted by cultured murine fibroblasts. Gottesman MM, et al. **Biochemistry** 1981 Mar 17;20(6):1659–65

Acanthamoeba profilin interacts with G-actin to increase the rate of exchange of actin-bound adenosine 5'-triphosphate. Tilockrin SC, et al. **Biochemistry** 1980 Nov 11; 19(23):5359–62

Human osteogenic sarcoma cells exhibit enhanced protein phosphorylation. Epstein J, et al. **Biochim Biophys Acta** 1981 Aug 5;676(1):68–76

Effects of amino acid analogues on protein degradation in isolated rat hepatocytes. Grinde B, et al. **Biochim Biophys Acta** 1981 Aug 5;676(1):43–50

Differential effects of proteinase inhibitors and amines on the lysosomal and non-lysosomal pathways of protein degradation in isolated rat hepatocytes. Grinde B, et al. **Biochim Biophys Acta** 1980 Sep 17;632(1):73–86

Factor XIIIa-catalyzed coupling of structural proteins. Kahn DR, et al. **Biochim Biophys Acta** 1981 May 29;668(3):490–4

Inhibition of hepatocytic protein degradation by methylaminopurines and inhibitors of protein synthesis. Kovács AL, et al. **Biochim Biophys Acta** 1981 Aug 17; 676(2):213–20

Phosphorylation of low molecular weight proteins in purified preparations of rat heart sarcolemma and sarcoplasmic reticulum. Lamers JM, et al. **Biochim Biophys Acta** 1980 Aug 21;624(2):443–59

Role of cytosol proteins in DNA chain growth and chromatin replication in Friend erythroleukemia cell nuclei. Muller MT, et al. **Biochim Biophys Acta** 1981 May 29; 653(3):391–407

The ionic strength dependence of the rate of a reaction between a small ion and a large ion with a dipole moment. van Leeuwen JW, et al. **Biochim Biophys Acta** 1981 Apr 13;635(2):434–9

Absence of hydrocortisone from cytoplasmic hormone-protein complexes formed in vivo after administration of biologically active doses of [3H]hydrocortisone. Voigt J, et al. **Biochim Biophys Acta** 1981 May 18;674(3):306–18

Translocation of proteins through biological membranes. A critical view. Waksman A, et al. **Biochim Biophys Acta** 1980 Dec 31;604(3):3–4 (227 ref.)

Stimulation of endogenous proteolysis in macrophages exposed to sporulating bacteria. Woodside KH, et al. **Biochim Biophys Acta** 1981 Mar 5;673(2):184–91

Identification by photoaffinity labelling of 16S RNA as a component of IF2-binding site of E. coli MRE 600 ribosome. Girshovich AS, et al. **Biochimie** 1980; 62(7):509–12

On the ultrastructural organization of the microfilament system and the possible role of profilactin. Lindberg U, et al. **Biochimie** 1981 Apr;63(4):307–23 (119 ref.)

Horse pancreatic lipase. Interaction with colipase from various species. Rathelot J, et al. **Biochimie** 1981 Mar; 63(3):227–34

Bovine sperm forward motility protein: binding to epididymal spermatozoa. Acott TS, et al. **Biol Reprod** 1981 Mar; 24(2):234–40

Mechanism of action of inhibin. Scott RS, et al. **Biol Reprod** 1981 Apr;24(3):541–50

Metabolic clearance rate of inhibin in mature and immature male rats. Vanage GR, et al. **Biol Reprod** 1980 Oct; 23(3):606–10

Effect of methyl glyoxal on enzyme release and on protein synthesis and secretion by isolated hepatocytes. Albano E, et al. **Boll Soc Ital Biol Sper** 1979 Sep 30;55(18):1890–4

Regulation of endogenous proteolysis in rat liver slices. Cecchini G, et al. **Boll Soc Ital Biol Sper** 1979 Jul 15; 55(12):1130–5

Protein turnover in growing pigs. Effects of age and food intake. Reeds PJ, et al. **Br J Nutr** 1980 May;43(3):445–55

Whole body protein turnover, synthesis and breakdown in patients with colorectal carcinoma. Carmichael MJ, et al. **Br J Surg** 1980 Oct;67(10):736–9

Protein nutrition in clinical practice. Jeejeebhoy KN. **Br Med Bull** 1981 Jan;37(1):11–7 (74 ref.)

INteractions between carcinogens and proteins. Ketterer B. **Br Med Bull** 1980 Jan;36(1):71–8 (70 ref.)

Nutrition and protein turnover in man. Waterlow JC, et al. **Br Med Bull** 1981 Jan;37(1):5–10 (35 ref.)

Molecular diffusion cannot account for spreading of isotope distribution peaks during rapid axoplasmic transport. Gross GW, et al. **Brain Res** 1981 Jul 6;216(1):215–8

Studies related to the blood-brain barrier to monoamines and protein in pia-arachnoid cultures. Hervonen H, et al. **Brain Res** 1981 Apr 6;210(1–2):449–54

Protein degradation in the mouse visual system. I. Degradation of axonally transported and retinal proteins. Nixon RA. **Brain Res** 1980 Oct 27;200(1):69–83

In vivo binding of the flame retardants tris(2,3–dibromopropyl) phosphate and tris(1,3–dichloro–2–propyl) phosphate to macromolecules of mouse liver, kidney and muscle. Morales NM, et al. **Bull Environ Contam Toxicol** 1980 Jul;25(1):34–8

A radioimmunoassay for a granulocyte protein as a marker in studies on the turnover of such cells. Fagerhol MK, et al. **Bull Eur Physiopathol Respir** 1980;16 Suppl:273–82

Comparison of cartilage structural glycoproteins with matrix proteins and fibronectin. Bowness JM. **Can J Biochem** 1981 Mar;59(3):181–90

Mast cell–lysosomal cationic protein interaction: effects of metabolic inhibitors and decay of activated cells on enhanced fluorescence of anilinonaphthalene sulfonate. Ranadive NS, et al. **Can J Biochem** 1981 Mar;59(3):202–7

Importance of monovalent ions for the fast axonal transport of proteins. Lavoie PA. **Can J Physiol Pharmacol** 1981 Jan; 59(1):31–6

Transformed cells exhibit altered response to db cycle amp–mediated modulation of protein phosphorylation and different endogenous phosphoprotein acceptors. Rieber MS, et al. **Cancer Biochem Biophys** 1981;5(3):163–7

Binding of 3'–methyl–N,N–dimethyl–4–aminoazobenzene metabolites to rat liver cytosol proteins and ligandin subunits. Ohmi N, et al. **Cancer Res** 1981 Sep;41(9 Pt 1):3461–4

The spontaneous insertion of proteins into and across membranes: the helical hairpin hypothesis. Engelman DM, et al. **Cell** 1981 Feb;23(2):411–22

CHO cells selected for phytohemagglutinin and con A resistance are defective in both early and late stages of protein glycosylation. Hunt LA. **Cell** 1980 Sep;21(2):407–15

The fate of foreign proteins introduced in Xenopus oocytes. Lane CD. **Cell** 1981 May;24(2):281–2

Intracellular localization of heat shock proteins in Drosophila. Velazquez JM, et al. **Cell** 1980 Jul;20(3):679–89

The galactose–specific recognition system of mammalian liver: the route of ligand internalization in rat hepatocytes. Wall DA, et al. **Cell** 1980 Aug;21(1):79–93

Protein–membrane interactions: equilibrium adsorption and binding of proteins and polyamino acids on erythroblasts transformed by Friend virus. Krumins SA, et al. **Cell Biol Int Rep** 1980 Dec;4(12):1131–41

The major androgen–dependent protein in rat ventral prostate binds polycyclic aromatic hydrocarbons. McKeehan WL, et al. **Cell Biol Int Rep** 1981 Jan;5(1):2

Kinetics of degradation of 'short–' and 'long–lived' proteins in cultured mammalian cells. Wheatley DN, et al. **Cell Biol Int Rep** 1980 Dec;4(12):1081–90

Surface receptors: are they involved in transformation of spermatozoa of Ascaris? Abbas MK, et al. **Cell Tissue Res** 1981;214(3):553–67

The development of the stomach in clarias lazera and the intestinal absorption of protein macromolecules. Stroband HW, et al. **Cell Tissue Res** 1981;215(2):397–415

Caffeine does not bind covalently to liver microsomes from different animal species and to proteins and DNA from perfused rat liver. Szczawinska K, et al. **Chem Biol Interact** 1981 Mar 15;34(3):345–54

Protein Degradation in health and disease. **Ciba Found Symp** 1979;(75):1–417

Lysosomes and protein degradation. Dean RT. **Ciba Found Symp** 1979;(75):139–49 (16 ref.)

Protein degradation in metabolic and nutritional disorders. Dice JF, et al. **Ciba Found Symp** 1979;(75):331–50 (24 ref.)

Studies of the ATP dependence of protein degradation in cells and cell extracts. Goldberg AL, et al. **Ciba Found Symp** 1979;(75):227–51

Turnover and degradation of mitochondria and their proteins. Grisolia S, et al. **Ciba Found Symp** 1979;(75):167–88 (13 ref.)

Regulation of protein breakdown in hepatocyte monolayers. Hopgood MF, et al. **Ciba Found Symp** 1979;(75):205–18 (17 ref.)

A possible role for neutral proteolysis in the degradation of intracellular proteins. Kay J. **Ciba Found Symp** 1979; (75):219–25 (8 ref.)

Insights into mechanisms of intracellular protein turnover from studies on pinocytosis. Lloyd JB. **Ciba Found Symp** 1979;(75):151–65 (28 ref.)

Coordination of protein synthesis and degradation. Mayer RJ, et al. **Ciba Found Symp** 1979;(75):253–72 (13 ref.)

Application of liver perfusion as an in vitro model in studies of intracellular protein degradation. Mortimore GE, et al. **Ciba Found Symp** 1979;(75):281–305 (40 ref.)

Protein degradation in cells in culture. Poole B, et al. **Ciba Found Symp** 1979;(75):189–203 (21 ref.)

The relation between reduced protein degradation and elevated adenosine 3',5'–monophosphate in isolated rat atria. O'Hara DS, et al. **Circ Res** 1981 Sep;49(3):609–17

Renal tubular interactions of proteins. Pesce AJ, et al. **Clin Biochem** 1980 Oct;13(5):209–15

The excretion of isotope in urea and ammonia for estimating protein turnover in man with [15N]glycine. Fern EB, et al. **Clin Sci** 1981 Aug;61(2):217–28

Total–body protein turnover in human premature neonates: effects of birth weight, intra–uterine nutritional status and diet. Pencharz PB, et al. **Clin Sci** 1981 Aug;61(2):207–15

The effect of an energy–restricted diet on the protein metabolism of obese adolescents: nitrogen–balance and whole–body nitrogen turnover. Pencharz PB, et al. **Clin Sci** 1980 Jul;59(1):13–8

Microperfusion and clearance studies on renal protein reabsorption. Baumann K, et al. **Contrib Nephrol** 1981; 24:8–17

The thermodynamics of nucleotide binding to proteins. Beaudette NV, et al. **CRC Crit Rev Biochem** 1980; 9(2):145–70 (62 ref.)

New findings on epidermal transglutaminase substrates. Buxman MM, et al. **Curr Probl Dermatol** 1980;10:245–54

Stratum corneum basic protein: an interfilamentous matrix protein of epidermal keratin. Dale BA, et al. **Curr Probl Dermatol** 1980;10:311–25

Histidine–rich protein in developing rat epidermis. Fukuyama K, et al. **Dev Biol** 1981 Jan 30;81(2):201–7

Two–dimensional gel patterns of protein species during development of Drosophila embryos. Sakoyama Y, et al. **Dev Biol** 1981 Jan 30;81(2):361–5

Failure to demonstrate increased protein turnover and intracellular proteinase activity in livers of mice with streptozotocin–induced diabetes. Bond JS. **Diabetes** 1980 Aug;29(8):648–54

Protein and glycoprotein synthesis and secretion by the diabetic liver. Berry EM, et al. **Diabetologia** 1980; 19(6):535–40

Axonal transport in rats after galactose feeding. Sidenius P, et al. **Diabetologia** 1980 Sep;19(3):229–33

Impaired retrograde axonal transport from a nerve crush in streptozotocin diabetic rats. Sidenius P, et al. **Diabetologia** 1980 Sep;19(3):222–8

Protein patterns of early mouse embryos during development. Cullen BR, et al. **Differentiation** 1980;17(3):151–60

Covalent binding of procainamide in vitro and in vivo to hepatic protein in mice. Freeman RW, et al. **Drug Metab Dispos** 1981 May–Jun;9(3):188–92

Effects of atrazine on circadian RNA, DNA and total protein rhythms in the thyroid and adrenal. Nicolau GY, et al. **Endocrinologie** 1980 Jul–Sep;18(3):161–6

Identification of an 8S androgen receptor–promoting factor that converts the 4.5S form of the androgen receptor to 8S. Colvard DS, et al. **Endocrinology** 1981 Aug; 109(2):496–504

Glucocorticoids stimulate protein degradation in lymphocytes: a possible mechanism of steroid–induced cell death. MacDonald RG, et al. **Endocrinology** 1980 Nov; 107(5):1512–24

Thyroid hormones influence starvation–induced hepatic protein loss in the rat: possible role of thyroid hormones in the generation of labile protein. Schwartz HL, et al. **Endocrinology** 1980 Dec;107(6):1684–92

alpha–Actinin promotes polymerization of actin from profilactin. Blikstad I, et al. **Eur J Biochem** 1980 Aug; 109(2):317–23

360–MHz nuclear magnetic resonance and laser photochemically induced dynamic nuclear polarization studies of bile salt interaction with porcine colipase A. Cozzone PJ, et al. **Eur J Biochem** 1981;114(1):119–26

Specific protein phosphorylation during stimulation of amylase secretion by beta–agonists or dibutyryl adenosine 3',5'–monophosphate in the rat parotid gland. Jahn R, et al. **Eur J Biochem** 1980 Nov;112(2):345–52

Transport of proteins into mitochondria. Posttranslational transfer of ADP/ATP carrier into mitochondria in vitro. Zimmermann R, et al. **Eur J Biochem** 1980 Aug; 109(1):217–29

Ultrastructural and biochemical response of rat mammary epithelial cells to vinblastine sulfate. Nickerson SC, et al. **Eur J Cell Biol** 1980 Dec;23(1):115–21

Cathepsin D activity and protein degradation products content in the walls of varicose veins of the lower limbs. Głowiński S, et al. **Eur Surg Res** 1981;13(3):243–6

Inhibition of autophagic vacuole formation and protein degradation by amino acids in isolated hepatocytes. Kovács AL, et al. **Exp Cell Res** 1981 Jun;133(2):431–6

Protein synthesis as a function of protein content in exponentially growing NHIK 3025 cells studied by flow cytometry and cell sorting. Lindmo T. **Exp Cell Res** 1981 May;133(1):237–45

Absence of nucleolar dominance in mouse–human heterokaryons. Lipszyc JS, et al. **Exp Cell Res** 1981 Jun; 133(2):373–82

Autophagic degradation in rat liver after vinblastine treatment. Marzella L, et al. **Exp Cell Res** 1980 Aug; 128(2):291–301

Trypsin–sensitive proteins associated with the process of unstable DNA release from human lymphocytes. Rogers JC, et al. **Exp Cell Res** 1981 Jul;134(1):1–13

Protein metabolism and survival of rat hepatocytes in early culture. Schwarze PE, et al. **Exp Cell Res** 1980 Nov; 130(1):185–90

V 2 2 / 1 3 8 1 UMI

Antibodies to the most tightly bound proteins in eukaryotic DNA. Werner D, et al. **Exp Cell Res** 1981 May; 133(1):149–57

Alterations in total content and solubility characteristics of proteins in rat brain and liver during ageing and centrophenoxine treatment. Nagy I, et al. **Exp Gerontol** 1981;16(3):229–40

Fasciola hepatica: autoradiography of protein synthesis, transport, and secretion by the tegument. Hanna RE. **Exp Parasitol** 1980 Dec;50(3):297–304

Permeabilization of mammalian cells to proteins by the ionophore nigericin. Alonso MA, et al. **FEBS Lett** 1981 May 5;127(1):112–4

Effect of fenfluramine and related compounds on the pancreatic colipase/lipase system. Borgström B, et al. **FEBS Lett** 1981 Apr 6;126(1):25–8

The importance of the tyrosine residues in pancreatic colipase for its activity. Erlanson-Albertsson C. **FEBS Lett** 1980 Aug 11;117(1):295–8

Biochemical evidence for a low molecular weight protein (profilin-like protein) in hog thyroid gland and its involvement in actin polymerisation. Fattoum A, et al. **FEBS Lett** 1980 Sep 8;118(2):237–40

Rabbit reticulocyte double-stranded RNA-activated protein kinase and the hemin-controlled translational repressor phosphorylate the same Mr 1500 peptide of eukaryotic initiation factor 2 alpha. Gross M, et al. **FEBS Lett** 1981 Mar 23;125(2):223–6

Multiple phosphorylation sites of microtubule-associated protein (MAP2) observed at high ATP concentrations. Islam K, et al. **FEBS Lett** 1981 Jan 26;123(2):181–5

Effect of inert polymers on protein self-association. Nichol LW, et al. **FEBS Lett** 1981 Apr 6;126(1):18–20

Interactions of pancreatic colipase with taurodeoxycholate--oleate mixtures above the critical micelle concentration. Sauve P, et al. **FEBS Lett** 1980 Dec 15;122(1):91–4

Cyclic AMP-dependent protein phosphorylation on the surface of rat hepatocytes. Sommarin M, et al. **FEBS Lett** 1981 May 18;127(2):285–9

Microtubule associated proteins stabilize the colchicine binding activity of tubulin. Wiche G, et al. **FEBS Lett** 1980 Jul 28;116(2):247–50

Porcine pancreatic procolipase and its trypsin-activated form: lipid binding and lipase activation on monomolecular films. Wieloch T, et al. **FEBS Lett** 1981 Jun 15; 128(2):217–20

Protein and fat metabolism during mammalian hypophagia and hibernation. Introduction. Folk GE Jr. **Fed Proc** 1980 Oct;39(12):2953–4

Protein and fat metabolism in hibernating bears. Nelson RA. **Fed Proc** 1980 Oct;39(12):2955–8 (26 ref.)

Protein metabolism and urea recycling in rodent hibernators. Riedesel ML, et al. **Fed Proc** 1980 Oct;39(12):2959–63 (34 ref.)

Age-related changes in non-collagen proteins in the long bones in man. Nikolova M, et al. **Folia Morphol (Praha)** 1981;29(1):52–5

Ultrastructural aspects of protein absorption and transport by epithelial cells of the intestine and kidney. Zufarov KA. **Folia Morphol (Praha)** 1981;29(1):25–7

Reduction of gastrointestinal protein loss by elemental diet in Crohn's disease of the small bowel. Logan RF, et al. **Gut** 1981 May;22(5):383–7

The decay of endogenously labelled 75Se-selenomethionine labelled proteins in duodenal juice: evidence for recirculation in man. Lake-Bakaar G, et al. **Hepatogastroenterology** 1980 Dec;27(6):484–7

gamma-Carboxyglutamic acid-containing protein of rat kidney cortex. Changes with high fat diet, and molecular parameters. Deyl Z, et al. **Hoppe Seylers Z Physiol Chem** 1980 Dec;361(12):1767–72

Role of microtubuli in the lysosomal degradation of endogenous and exogenous protein in isolated rat hepatocytes. Grinde B, et al. **Hoppe Seylers Z Physiol Chem** 1981 May;362(5):549–56

Binding of exogenous protein fragments to native proteins: possible explanation for the overestimation of uptake of extrinsically labelled macromolecules from the gut. Udall JN, et al. **Immunology** 1981 Feb;42(2):251–7

Effects of antibiotics on protein synthesis and degradation in primary cultures of rat hepatocytes. Schwarze PE, et al. **In Vitro** 1981 Jan;17(1):71–6

Reaction of isoniazid with cellular constituents in vivo. Maru GB, et al. **Indian J Cancer** 1981 Mar;18(1):7–12

Effect of prolactin & thyroid stimulating hormone on growth, collagen characteristics & tissue protein contents of the young male garden lizard Calotes versicolor. Brahma KC, et al. **Indian J Exp Biol** 1980 Dec;18(12):1505–7

Cholesterol & lipid accumulation & protein content in the various tissues of albino rats maintained for varying periods on different lipid-starch combinations at different lipid levels. Pant R, et al. **Indian J Exp Biol** 1980 May; 18(5):516–20

Protein degradation & transamination during muscular fatigue. Rajendra W, et al. **Indian J Exp Biol** 1980 Aug; 18(8):889–91

Changes in DNA, RNA & protein contents in different tissues of mice after repeated morphine & pethidine treatment. Swain N, et al. **Indian J Exp Biol** 1980 Oct;18(10):1188–9

Origin of the luminal fluid proteins of the rat epididymis. Wong PY, et al. **Int J Androl** 1981 Jun;4(3):331–41

Biochemical observations on the protein and nucleic acid metabolism of the rat testis and epididymis after treatment with low doses of alpha-chlorohydrin. Kaur S, et al. **Int J Fertil** 1981;26(1):8–13

Protein-sparing modified fast in the treatment of severe obesity: weight loss and nitrogen balance data. Contaldo F, et al. **Int J Obes** 1980;4(3):189–96

Rapid changes in pancreatic DNA, RNA and protein in the rat during pancreatic enlargement and involution. Crass RA, et al. **Int J Vitam Nutr Res** 1981;51(1):85–91

Protein turnover in muscle cells as visualized by autoradiography. Dadoune JP. **Int Rev Cytol** 1980; 67:215–57

Protein, iron, and folate status of patients prior to and following surgery for morbid obesity. Updegraff TA, et al. **J Am Diet Assoc** 1981 Feb;78(2):135–40

Assimilatory sulfate reduction in Escherichia coli: identification of the alternate cofactor for adenosine 3'-phosphate 5'-phosphosulfate reductase as glutaredoxin. Tsang ML. **J Bacteriol** 1981 Jun;146(3):1059–66

Adventitious binding of 3H-labeled nucleotides to protein during polymerase assays. Kalf GF. **J Biochem Biophys Methods** 1981 Jun;4(5–6):247–54

Characterization of eukaryotic initiation factor 2 containing two polypeptide chains of Mr = 48,000 and 38,000. Chaudhuri A, et al. **J Biol Chem** 1981 Apr 25; 256(8):3988–94

Phosphorylation of glycogen synthase and of the beta subunit of eukaryotic initiation factor two by a common protein kinase. DePaoli-Roach AA, et al. **J Biol Chem** 1981 Sep 10;256(17):8871–4

The regulation of protein turnover in newborn rat heart cell cultures. Frelin C. **J Biol Chem** 1980 Dec 10; 255(23):11149–55

Evidence that the phosphorylation of eukaryotic initiation factor 2 alpha by the hemin-controlled translational repressor occurs at a single site. Gross M, et al. **J Biol Chem** 1981 Jan 25;256(2):589–92

Activity of eukaryotic initiation factor 2 is modified by processes distinct from phosphorylation. I. Activities of eukaryotic initiation factor 2 and eukaryotic initiation factor 2 alpha kinase in lysate gel filtered under different conditions. Jagus R, et al. **J Biol Chem** 1981 Feb 10; 256(3):1317–23

Activity of eukaryotic initiation factor 2 is modified by processes distinct from phosphorylation. II. Activity of eukaryotic initiation factor 2 in lysate is modified by oxidation-reduction state of its sulfhydryl groups. Jagus R, et al. **J Biol Chem** 1981 Feb 10;256(3):1324–9

In vitro phosphorylation of the 36K protein in extract from Rous sarcoma virus-transformed chicken fibroblasts. Kobayashi N, et al. **J Biol Chem** 1981 Mar 25;256(6):3053–8

The phosphorylation of adrenal proteins in response to adrenocorticotropic hormone. Koroscil TM, et al. **J Biol Chem** 1981 Jul 10;256(13):6700–7

Internalization of cytoplasmic protein by hepatic lysosomes in basal and deprivation-induced proteolytic states. Mortimore GE, et al. **J Biol Chem** 1981 Jul 25; 256(14):7659–65

Specific tritium incorporation into gamma-carboxyglutamic acid in proteins. The pH dependence of gamma-proton exchange. Price PA, et al. **J Biol Chem** 1981 Feb 10; 256(3):1172–6

Stimulation of Ca2+ uptake and protein phosphorylation in tumor cells by fibronectin. Rephaeli A, et al. **J Biol Chem** 1981 Jun 25;256(12):6069–74

A comparative study of the in vitro polymerization of tubulin in the presence of the microtubule-associated proteins MAP2 and tau. Sandoval IV, et al. **J Biol Chem** 1981 Aug 25;256(16):8795–800

Different tubulin polymers are produced by microtubule-associated proteins MAP2 and tau in the presence of guanosine 5'-(alpha, beta-methylene)triphosphate. Sandoval IV, et al. **J Biol Chem** 1980 Oct 10;255(19):8952–4

Quantitative relationship between autophagy and proteolysis during graded amino acid deprivation in perfused rat liver. Schworer CM, et al. **J Biol Chem** 1981 Jul 25; 256(14):7652–8

Vanadate inhibits protein degradation in isolated rat hepatocytes. Seglen PO, et al. **J Biol Chem** 1981 Aug 10; 256(15):7699–701

Sertoli cells synthesize and secrete transferrin-like protein. Skinner MK, et al. **J Biol Chem** 1980 Oct 25;255(20):9523–5

Protein degradation in primary monolayer cultures of adult rat hepatocytes. Further evidence for the regulation of protein degradation by amino acids. Sommercorn JM, et al. **J Biol Chem** 1981 May 25;256(10):4816–21

The co-polymerization of tubulin and tubulin chochicine complex in the absence and presence of associated proteins. Sternlicht H, et al. **J Biol Chem** 1980 Oct 10; 255(19):9138–48

Site-specific phosphorylation if initiation factor 2 by three cyclic nucleotide-independent protein kinases. Tuazon PT, et al. **J Biol Chem** 1980 Nov 25;255(22):10954–8

ATP x Mg-dependent protein phosphatase from rabbit skeletal muscle. I. Purification of the enzyme and its regulation by the interaction with an activating protein factor. Yang SD, et al. **J Biol Chem** 1980 Dec 25; 255(24):11759–67

Axonal transport of calmodulin: a physiologic approach to identification of long-term associations between proteins. Brady ST, et al. **J Cell Biol** 1981 Jun;89(3):607–14

Bead rings at the endoplasmic reticulum-Golgi complex boundary: morphological changes accompanying inhibition of intracellular transport of secretory proteins in arthropod fat body tissue. Brodie DA. **J Cell Biol** 1981 Jul; 90(1):92–100

Clathrin is axonally transported as part of slow component b: the microfilament complex. Garner JA, et al. **J Cell Biol** 1981 Jan;88(1):172–8

Arrangement of tubulin subunits and microtubule-associated proteins in the central-pair microtubule apparatus of squid (Loligo pealei) sperm flagella. Linck RW, et al. **J Cell Biol** 1981 May;89(2):309–22

A membrane component essential for vectorial translocation of nascent proteins across the endoplasmic reticulum: requirements for its extraction and reassociation with the membrane. Meyer DI, et al. **J Cell Biol** 1980 NOV;87(2 Pt 1):498–502

Microtubule assembly and disassembly at alkaline pH. Regula CS, et al. **J Cell Biol** 1981 Apr;89(1):45–53

Mechanism of compartmentation of secretory proteins: transport of exocrine pancreatic proteins across the microsomal membrane. Scheele G, et al. **J Cell Biol** 1980 Dec;87(3 Pt 1):611–28

Proteins synthesized and secreted during rat pancreatic development. Van Nest GA, et al. **J Cell Biol** 1980 Sep; 86(3):784–94

Protein synthesis and degradation in growth regulation in rat embryo fibroblasts: role of fast-turnover and slow-turnover protein. Amenta JS, et al. **J Cell Physiol** 1980 Oct;105(1):51–61

Insulin inhibition of protein degradation in cell monolayers. Ballard FJ, et al. **J Cell Physiol** 1980 Nov;105(2):335–46

Cellular control of ornithine decarboxylase activity by its antizyme. Heller JS, et al. **J Cell Physiol** 1981 May; 107(2):209–17

Protein synthesis and the presence of absence of a measurable G1 in cultured Chinese hamster cells. Liskay RM, et al. **J Cell Physiol** 1980 Sep;104(3):461–7

Effect of serum step-down on protein metabolism and proliferation kinetics of NHIK 3025 cells. Rønning OW, et al. **J Cell Physiol** 1981 Apr;107(1):47–57

Protein synthesis and degradation during expression of the temperature-sensitive defect in ts A1S9 mouse L-cells. Sparkuhl J, et al. **J Cell Physiol** 1980 Nov;105(2):247–58

Relationship between human follicular fluid inhibin F activity and steroid content. Channing CP, et al. **J Clin Endocrinol Metab** 1981 Jun;52(6):1193–8

Oxidative decarboxylation of free and peptide-linked amino acids in phagocytizing guinea pig granulocytes. Adeniyi-Jones SK, et al. **J Clin Invest** 1981 Aug; 68(2):365–73

Hydrolysis of human milk fat globules by pancreatic lipase: role of colipase, phospholipase A2, and bile salts. Bläckberg L, et al. **J Clin Invest** 1981 Jun;67(6):1748–52

Effect of spironolactone on androgen-dependent proteins in the ventral prostate of the rat. Carter DB, et al. **J Endocrinol** 1980 Sep;86(3):471–6

Effect of diflubenzuron and its major degradation products on the growth of Euglena gracilis Z. and incorporation of glycine-U-14C in protein. Gattavecchia E, et al. **J Environ Sci Health [B]** 1981;16(2):159–66

Lyt-23+ cyclophosphamide-sensitive T cells regulate the activity of an interleukin 2 inhibitor in vivo. Hardt C, et al. **J Exp Med** 1981 Aug 1;154(2):262–74

Absorption of protein molecules by the small intestine of the bullfrog tadpole, Rana catesbeiana. Sugimoto K, et al. **J Exp Zool** 1981 Jan;215(1):53–62

Biologically active polypeptides in submandibular glands. Barka T. **J Histochem Cytochem** 1980 Aug;28(8):836–59 (352 ref.)

The specificity of uptake of model immune complexes and other protein aggregates by the murine reticuloendothelial system. Finbloom DS, et al. **J Immunol** 1980 Sep; 125(3):1060–5

The kinetics and metabolic requirements for direct lymphocyte induction of human procoagulant monokines by bacterial lipopolysaccharide. Levy GA, et al. **J Immunol** 1981 Jul;127(1):357–63

Protein staining methods in quantitative cytochemistry. Tas J, et al. **J Microsc** 1980 Aug;119(3):295–311

Influence of acidosis and lactate on protein degradation in adult and fetal hearts. Crie JS, et al. **J Mol Cell Cardiol** 1980 Oct;12(10):1065–74

The role of axonal transport and impulse conduction on the uptake and retrograde transport of nerve growth factor and bovine serum albumin in peripheral nerve. Boegman RJ, et al. **J Neurobiol** 1980 Sep;11(5):497–501

Synthesis and degradation of retinal proteins in darkness and during photic stimulation. Ames A 3d, et al. **J Neurochem** 1980 Jul;35(1):143–8

Protein turnover in retina. Ames A 3d, et al. **J Neurochem** 1980 Jul;35(1):131–42

Phosphorylation of adrenal medulla cell proteins in conjunction with stimulation of catecholamine secretion. Amy CM, et al. **J Neurochem** 1981 Mar;36(3):847–54

alpha-Hydroxylation of fatty acids in brain: characterization of heat-labile factor. Singh I, et al. **J Neurochem** 1981 Aug; 37(2):388–91

The distribution of intermediate filament protein (skeletin) in normal and diseased human skeletal muscle--an immunohistochemical and electron-microscopic study.

Thornell LE, et al. **J Neurol Sci** 1980 Aug;47(2):153–70

Effect of a synthetic antimicrobial agent on the rates of synthesis and degradation of liver and skeletal muscle proteins in growing rats. Bajjalieh NL, et al. **J Nutr** 1981 Mar;111(3):563–7

Comparative amino acid and protein metabolism in obese and non-obese Zucker rats. Dunn MA, et al. **J Nutr** 1980 Sep;110(9):1865–79

Factors determining the preservation of protein status during dietary protein deprivation. Moldawer LL, et al. **J Nutr** 1981 Jul;111(7):1287–96

Differential regulation of lipase and colipase in the rat pancreas by dietary fat and proteins. Ouagued M, et al. **J Nutr** 1980 Nov;110(11):2302–9

Linear and nonlinear models for measuring protein nutritional quality. Phillips RD. **J Nutr** 1981 Jun;111(6):1058–66

Protein and fat metabolism in rats during repletion with total parenteral nutrition (TPN). Stein TP, et al. **J Nutr** 1981 Jan;111(1):154–65

Relation between protein contents of diets and biological values in germ-free rats. Yamanaka M, et al. **J Nutr Sci Vitaminol (Tokyo)** 1980;26(3):323–6

Trypanosoma cruzi development is independent of protein digestion in the gut of Rhodnius prolixus. Garcia ES, et al. **J Parasitol** 1980 Dec;66(6):1052–3

Liver protein synthesis and catabolism in mirex-pretreated rats with enlarging livers. Robinson KM, et al. **J Pharmacol Exp Ther** 1980 Oct;215(1):82–5

Protein degradation during preimplantation development of the mouse. Merz EA, et al. **J Reprod Fertil** 1981 Mar; 61(2):415–8

Distribution of proteins labelled during meiotic maturation in rabbit and pig eggs at fertilization. Motlik J, et al. **J Reprod Fertil** 1980 Mar;58(2):415–9

Protein and free amino acid content in preimplantation mouse embryos and in blastocysts under various culture conditions. Sellens MH, et al. **J Reprod Fertil** 1981 Mar; 61(2):307–15

Determination of free and loosely protein-bound formaldehyde in the tissues of pigs fed formalin-treated skim milk as a protein supplement. Florence E, et al. **J Sci Food Agric** 1981 Mar;32(3):288–92

Hormonal modulation of protein degradation in Y-1 adrenal cells. Morel Y, et al. **J Steroid Biochem** 1980 Jan;12:273–7

Specific protein phosphorylation during cyclic AMP-mediated morphological reversion of transformed cells. Bloom GS, et al. **J Supramol Struct** 1980;14(2):241–54

Structure and DNA-protein interactions of replication origins. Abstracts. **J Supramol Struct Cell Biochem** 1981 Mar 20;Suppl 5:319–51

The influence of tumor-bearing on protein metabolism in the rat. Norton JA, et al. **J Surg Res** 1981 May;30(5):456–62

Pseudo-oligomer formation between related soluble and membrane-bound proteins. Implications on the attachment of proteins to receptors and membranes and the evolution of transport proteins. Gräsbeck R, et al. **J Theor Biol** 1980 Jun 7;84(3):505–11

Protein conversion to glucose: an evaluation of the quantitative aspects. Wolman SL, et al. **JPEN** 1980 Sep–Oct;4(5):487–9

Alterations of cytoplasmic proteins in rat hepatomas during the administration of chemical carcinogen. Takami H, et al. **Keio J Med** 1980 Apr;29(1):9–17

Protein losses during peritoneal dialysis. Blumenkrantz MJ, et al. **Kidney Int** 1981 Apr;19(4):593–602

Proteinuria induced by sodium maleate in rats: effects on ultrastructure and protein handling in renal proximal tubule. Christensen EI, et al. **Kidney Int** 1980 Jun; 17(6):771–87

Mechanisms of protein turnover in cultured cells. Amenta JS, et al. **Life Sci** 1981 Mar 16;28(11):1195–208 (74 ref.)

On the role of cross-linking of cellular proteins in aging. Nagy I, et al. **Mech Ageing Dev** 1980 Sep–Oct; 14(1–2):245–51

Total body protein turnover and growth in children: is it a futile cycle? Pencharz PB, et al. **Med Hypotheses** 1981 Feb;7(2):155–60

Effects of exercise on protein and amino acid metabolism. Lemon PW, et al. **Med Sci Sports Exerc** 1981;13(3):141–9

Effect of experimental hyperthyroidism on protein turnover in skeletal and cardiac muscle. Carter WJ, et al. **Metabolism** 1980 Oct;29(10):910–5

Transport of protein across lymphatic endothelium in the rat kidney. Yang VV, et al. **Microvasc Res** 1981 Jan; 21(1):75–91

Production and secretion of Leishmania braziliensis proteins. Hernandez AG, et al. **Mol Biochem Parasitol** 1980 Jun; 1(3):143–9

Properties and regulation of the GTPase activities of elongation factors Tu and G, and of initiation factor 2. Parmeggiani A, et al. **Mol Cell Biochem** 1981 Mar 27; 35(3):129–58 (157 ref.)

Dibutyryl cyclic AMP-induced phosphorylation of specific proteins in adenohypophysial cells. Brattin WJ Jr, et al. **Mol Cell Endocrinol** 1981 Jul;23(1):77–90

Binding of an inhibin-like protein from bull seminal plasma to ovine pituitary membranes. Sairam MR, et al. **Mol Cell Endocrinol** 1981 May;22(2):251–64

Effects of lysosomotropic monoamines, diamines, amino alcohols, and other amino compounds on protein degradation and protein synthesis in isolated rat hepatocytes. Seglen PO, et al. **Mol Pharmacol** 1980 Nov; 18(3):468–75

Enhancement of hepatic microsome-mediated bacterial mutagenesis by the rat liver soluble protein fraction. Saccone GT, et al. **Mutat Res** 1981 Feb;88(2):135–45

Changing proteins on the surface of a parasitic nematode. Philipp M, et al. **Nature** 1980 Oct 9;287(5782):538–40

Reappraisal of protein losses in patients undergoing continuous ambulatory peritoneal dialysis. Katirtzoglou A, et al. **Nephron** 1980;26(5):230–3

Fate of axonally transported taurine and proteins in the developing rabbit visual system following optic nerve section. Sturman JA, et al. **Neurochem Res** 1980 Oct; 5(10):1127–35

Joseph disease and Huntington disease: protein patterns in fibroblasts and brain. Rosenberg RN, et al. **Neurology (NY)** 1981 Aug;31(8):1003–14

Effects of dopaminergic and adrenergic blockade on amphetamine-induced extravasation of protein into the brain of normotensive and spontaneously hypertensive rats. Sankar R, et al. **Neuropharmacology** 1981 Jul;20(7):667–73

Cross-linking of Met-tRNAf to eIF-2 beta and to the ribosomal proteins S3a and S6 within the eukaryotic inhibition complex, eIF-2 .GMPPCP.Met-tRNAf.small ribosomal subunit. Westermann P, et al. **Nucleic Acids Res** 1981 May 25;9(10):2387–96

The alpha and gamma subunits of initiation factor eIF-2 can be cross-linked to 18S ribosomal RNA within the quaternary initiation complex, eIF-2.Met-tRNAf.GDPCP.small ribosomal subunit. Westermann P, et al. **Nucleic Acids Res** 1980 Jul 25; 8(14):3065–71

Inhibition of renal accumulation of lysozyme (basic low molecular weight protein) by basic proteins and other basic substances. Cojocel C, et al. **Pfluegers Arch** 1981 Jun; 390(3):211–5

Alcohol, liver injury and protein metabolism. Lieber CS. **Pharmacol Biochem Behav** 1980;13 Suppl 1:17–30 (154 ref.)

Inhibition of protein degradation in regenerating rat liver by ethanol treatment. Pösö H. **Pharmacol Biochem Behav** 1980;13 Suppl 1:83–8

Effect of L-fucose on brain protein metabolism and retention of a learned behavior in rats. Wetzel W, et al. **Pharmacol Biochem Behav** 1980 Dec;13(6):765–71

Effect of a high fat intake on protein utilization during ontogenetic development. Krajčovičová M, et al. **Physiol Bohemoslov** 1981;30(2):105–12

Polyamine-peptide conjugates: proposed functions. Rennert OM, et al. **Physiol Chem Phys** 1980;12(5):441–50

Transglutaminase-mediated covalent attachment of polyamines to proteins: mechanisms and potential physiological significance. Williams-Ashman HG, et al. **Physiol Chem Phys** 1980;12(5):457–72 (75 ref.)

'In situ' immune complex nephritis and basic proteins. Vogt A, et al. **Proc Eur Dial Transplant Assoc** 1980;17:613–20

Detection of phosphotyrosine-containing 34,000-dalton protein in the framework of cells transformed with Rous sarcoma virus. Cheng YS, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2388–92

Water structure-dependent charge transport in proteins. Gascoyne PR, et al. **Proc Natl Acad Sci USA** 1981 Jan; 78(1):261–5

Modification of microtubule steady-state dynamics by phosphorylation of the microtubule-associated proteins. Jameson L, et al. **Proc Natl Acad Sci USA** 1981 Jun; 78(6):3413–7

Specific binding of eukaryotic initiation factor 2 to satellite tobacco necrosis virus RNA at a 5'-terminal sequence comprising the ribosome binding site. Kaempfer R, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1542–6

Identification of antigenically related polypeptides at centrioles and basal bodies. Lin W, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2373–7

DNA-protein interactions in the Drosophila melanogaster mitochondrial genome as deduced from trimethylpsoralen crosslinking patterns. Potter DA, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4118–22

Calcium lability of cytoplasmic microtubules and its modulation by microtubule-associated proteins. Schliwa M, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):1037–41

Mode of action of the heme-controlled translational inhibitor: relationship of eukaryotic initiation factor 2-stimulating protein to translation restoring factor. Siekierka J, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):220–3

Heat shock proteins are methylated in avian and mammalian cells. Wang C, et al. **Proc Natl Acad Sci USA** 1981 Jun; 78(6):3531–5

Microvascular protein efflux: interaction of histamine and H1 receptors. Kozlowski T, et al. **Proc Soc Exp Biol Med** 1981 Feb;166(2):263–70

Relation between structure and function of alpha/beta-proteins. Brändeén CI. **Q Rev Biophys** 1980 Aug;13(3):317–38 (56 ref.)

The cellular processing of lysosomal enzymes and related proteins. Strawser LD, et al. **Rev Physiol Biochem Pharmacol** 1980;87:169–210 (271 ref.)

Filtration as the main mechanism of increased protein extravasation in liver cirrhosis. Henriksen JH, et al. **Scand J Clin Lab Invest** 1980 Apr;40(2):121–8

Filtration as the main transport mechanism of protein exchange between plasma and the peritoneal cavity in hepatic cirrhosis. Henriksen JH, et al. **Scand J Clin Lab Invest** 1980 Oct;40(6):503–13

Light chain polymerism in normal individuals in patients with severe proteinuria and in normals with inhibited tubular protein reabsorption by lysine. Sølling K. **Scand J Clin Lab Invest** 1980 Apr;40(2):129–34

Protein metabolism in surgical patients. Stein TP, et al. **Surg Clin North Am** 1981 Jun;61(3):519–27

Energy sources, stores, and hormonal controls. Wolfe BM, et al. **Surg Clin North Am** 1981 Jun;61(3):509–18

Effect of cytotoxic agents on protein kinetics in patients with metastatic cancer. Herrmann VM, et al. **Surgery** 1981 Aug; 90(2):381–7

Interactions of hepatotoxic agents with proteins and subcellular structures. Faulstich H. **Toxicology** 1980; 18(3):205–11

Inhibitory effects of vinblastine on protein degradation. Marzella L, et al. **Virchows Arch [Cell Pathol]** 1980; 34(2):111–22

Identification of a normal vertebrate cell protein related to the p21 src of Harvey murine sarcoma virus. Langbeheim H, et al. **Virology** 1980 Oct 30;106(2):292–300

Effect of calorie restriction and protein deficiency on protein metabolism in rats. Moustafa A el-H, et al. **Z Ernaehrungswiss** 1980 Sep;19(3):166–72

Initiation of protein synthesis in yeast: binding of Met-tRNAi. Kreutzfeldt C. **Z Naturforsch [C]** 1981 Jan–Feb;36(1–2):142–8

Growth of rhizobia in protein hydrolysates. Gulati SL. **Zentralbl Bakteriol [Naturwiss]** 1980;135(4):296–301

Buffalo endometrial protein pattern during the follicular and luteal phases. Kumar D, et al. **Zentralbl Veterinaermed [A]** 1980 Jun;27(4):346–8

[Energy metabolism and proteolysis in traumatized and septic man (author's transl)] Guan ZX. **Sheng Li Ko Hsueh Chin Chan** 1980 Apr;11(4):368–70 **(Chi)**

[Protein content in lung lavage specimens from rats of different provenience following administration of silica dust (author's transl)] Havránková J, et al. **Bratisl Lek Listy** 1981;75(6):669–76 (Eng. Abstr.) **(Cze)**

[Tri-iodothyronine bond to human prostate gland cytosol proteins (author's transl)] Felt V. **Cas Lek Cesk** 1980 Oct; 119(43–44):1165–6 (Eng. Abstr.) **(Cze)**

[Comparison between hypo- and hyperglucidic diets on protein sparing in major visceral surgery (author's transl)] Caillard B, et al. **Anesth Analg (Paris)** 1981;38(1–2):49–53 (Eng. Abstr.) **(Fre)**

[Proteins, nucleic acids and acid hydrolases in the chick embryo tail bud] Lanot R. **C R Soc Biol (Paris)** 1980; 174(1):11–5 (Eng. Abstr.) **(Fre)**

[Fistulation technic for the digestive tract of swine for the examination of protein metabolism] Hennig U, et al. **Arch Exp Veterinaermed** 1980;34(3):325–31 (Eng. Abstr.) **(Ger)**

[The influence of various feedstuffs containing fat and protein on the digestibility of crude nutrients in young calves] Bedö S. **Arch Tierernaehr** 1980 Jun;30(6):557–71 (Eng. Abstr.) **(Ger)**

[Absorption and distribution of cytoplasmic organ lysates (conjunctisan A eye drops) following intraconjunctival application (author's transl)] Seifert J, et al. **Klin Monatsbl Augenheilkd** 1979 Dec;175(6):795–8 (Eng. Abstr.) **(Ger)**

[Therapy of aminoacid and protein metabolism disturbances in liver disease (author's transl)] Gerok W. **Leber Magen Darm** 1981 Apr;11(2):63–72 (34 ref.) (Eng. Abstr.) **(Ger)**

[Biochemical regulation by proteolysis] Rüdiger H. **Med Welt** 1980 Dec 5;31(49):1784–7 **(Ger)**

[Protein-sparing effect of various types of peripheral parenteral nutrition] Löhlein D. **Z Ernaehrungswiss** 1981 Jun;20(2):81–95 (Eng. Abstr.) **(Ger)**

[Effect on the crude protein content as well as the relative crude protein content in carcasses of rats treated with three growth promoters] Hillemeir H, et al. **Z Tierphysiol Tierernaeher Futtermittelkd** 1980;44(2):69–81 (Eng. Abstr.) **(Ger)**

[Binding of sulfobromophthalein and indocyanine green with cytoplasmic proteins in rat and human liver (author's transl)] Yamashiro Y. **Nippon Shokakibyo Gakkai Zasshi** 1980 Dec;77(12):1905–14 (Eng. Abstr.) **(Jpn)**

[Transfer of proteins across membranes (author's transl)] Tagawa K. **Seikagaku** 1980;52(3):141–57 (191 ref.) **(Jpn)**

[Non-enzymatic glucosylation of proteins. A review] Daae LN. **Tidsskr Nor Laegeforen** 1980 Apr 30;100(12):682–3 (Eng. Abstr.) **(Nor)**

[Disulphide bonds in the structure and function of proteins (author's transl)] Zak Z. **Postepy Biochem** 1980; 26(3):313–28 (85 ref.) **(Pol)**

[Changes in human endometrial cell protein makeup during the developmental process] Mal'tsev AV, et al. **Akush Ginekol (Mosk)** 1981 Jan;(1):40–2 **(Rus)**

[Protein from beef heart mitochondria inducing the potassium channel conductivity of bilayer lipid membrane] Mironova GD, et al. **Biofizika** 1981 May–Jun;26(3):451–7 (Eng. Abstr.) **(Rus)**

[Bimolecular protein–protein interactions in microcapsules] Aisina RB, et al. **Biokhimiia** 1980 Nov;45(11):1949–59 (Eng. Abstr.) **(Rus)**

[Metabolism of 14C-soluble proteins from silkworm tissues during silk formation] Klunova SM, et al. **Biokhimiia** 1980 Nov;45(11):2044–52 (Eng. Abstr.) **(Rus)**

[Effect of hypokinesia on nucleic acid and protein metabolism

in the lymphoid organs of rats] Komolova GS. **Biull Eksp Biol Med** 1980 Nov;90(11):548–50 (Eng. Abstr.) **(Rus)**

[Sharp differences in the stability of DNA–protein interactions of resting and proliferating cells] S'iakste NI, et al. **Dokl Akad Nauk SSSR** 1981 Mar–Apr;257(1):237–41 **(Rus)**

[Effect of serotonin on transcapillary exchange and circulatory homeostasis of proteins] Ainson KhKh, et al. **Fiziol Zh SSSR** 1981 Jan;67(1):148–52 (Eng. Abstr.) **(Rus)**

[Phenylalanine level in the serum of heterozygotes for phenylketonuria under intensified protein catabolism] Bliumina MG. **Genetika (Moskva)** 1981;17(5):910–4 (Eng. Abstr.) **(Rus)**

[Protein metabolism in the mucosa of the small intestine in chronic enterocolitis] Shamov IA, et al. **Klin Med (Mosk)** 1981 May;59(5):59–60 **(Rus)**

[Isotope effects on electron tunneling reactions in biological systems conformational mobility of proteins] Shaitan KV, et al. **Mol Biol (Mosk)** 1981 Mar–Apr;15(2):368–86 (Eng. Abstr.) **(Rus)**

[Acidopeptic aggression characteristics of peptic ulcer patients] Masevich TsG, et al. **Sov Med** 1980;(9):7–10 (Eng. Abstr.) **(Rus)**

[Protein content in rat hepatocytes of varying degrees of ploidy during the period of postnatal development] Shalakhmetova TM, et al. **Tsitologiia** 1981 Jun;23(6):674–81 (Eng. Abstr.) **(Rus)**

[Surface proteins of normal and transformed epithelial liver cells] Troianovskiĭ SM, et al. **Tsitologiia** 1981 May; 23(5):545–50 (Eng. Abstr.) **(Rus)**

[Calcium transport and role of 3',5'–AMP–dependent phosphorylation in its relation] Kurskiĭ MD. **Ukr Biokhim Zh** 1981 Mar–Apr;53(2):71–86 (67 ref.) (Eng. Abstr.) **(Rus)**

[Effect of the protease inhibitor contrical on oxidative phosphorylation and proteolysis in kidney under thermal ischemia] Petrun' NM, et al. **Ukr Biokhim Zh** 1981 May–Jun;53(3):84–90 (Eng. Abstr.) **(Rus)**

[Bioenergetic aspects of the study of protein amino acid composition] Ivanov VN. **Usp Sovrem Biol** 1981; 91(2):147–53 (30 ref.) **(Rus)**

[Protein absorption disorder in cardiac insufficiency] Beloborodova EI. **Vrach Delo** 1980 Jul;(7):22–6 (Eng. Abstr.) **(Rus)**

[Specific proteins and culture media proteins found in trophozoites of E. histolytica obtained by axenic cultivation] García–Tamayo F, et al. **Arch Invest Med (Mex)** 1980;11(1 Suppl):159–62 **(Spa)**

PHARMACODYNAMICS

Febrile and plasma iron responses of rabbits injected with endogenous pyrogen from malnourished patients. Hoffman–Goetz L, et al. **Am J Clin Nutr** 1981 Jun; 34(6):1109–16

Stimulation of amniotic fluid cell growth by cartilage growth factor. Golbus MS, et al. **Am J Med Genet** 1980;6(2):107–11

Specific FSH suppression in male rat by porcine follicular fluid. Lorenzen JR, et al. **Am J Physiol** 1981 Feb; 240(2):E209–15

Modulation of FSH action by inhibin. Vijayalakshmi S, et al. **Arch Androl** 1980 Nov;5(3):231–5

Inhibitors and stimulants of prostaglandin cyclo–oxygenase in stomach extracts. Saeed SA, et al. **Biochem Soc Trans** 1981 Feb;9(1):92–3

Kinetic studies of beef heart mitochondrial adenosine triphosphatase: interaction of the inhibitor protein and adenosine triphosphate analogues. Krull KW, et al. **Biochemistry** 1981 Mar 17;20(6):1592–8

Enhanced activity of brain lipase in the presence of adrenocorticotrophic hormone. Comparison with a colipase effect. Arnaud J, et al. **Biochim Biophys Acta** 1981 Feb 23;663(2):401–7

Variable sensitivity of prepubertal male rats to inhibin–like activity of bull seminal plasma and to testosterone propionate. Peek JC, et al. **Biol Reprod** 1981 Apr; 24(3):475–82

Crotalocytin: characterization of the timber rattlesnake platelet activating protein. Schmaier AH, et al. **Blood** 1980 Dec;56(6):1020–8

Artificial rearing of pigs. 10. Effect of replacing dried skim–milk by a single–cell protein (Pruteen) on performance and digestion of protein. Newport MJ, et al. **Br J Nutr** 1980 Sep;44(2):161–70

Helper factor(s) augment in vitro induction of tumor–specific immunity. Burton RC, et al. **Cell Immunol** 1981 Mar 1; 58(2):225–37

Studies on the role of lymphocyte–activating factor (Interleukin 1) in antigen–induced lymph node lymphocyte proliferation. Mizel SB, et al. **Cell Immunol** 1980 Sep 1; 54(2):382–9

Generation of human peripheral blood stable E–rosette–forming T cells by interleukin 1. Ben–Zvi A, et al. **Clin Immunol Immunopathol** 1981 Jun;19(3):330–7

Human osteosarcoma–derived soluble bone morphogenetic protein. Bauer FC, et al. **Clin Orthop** 1981 Jan–Feb; (154):291–5

Evidence for a hypothalamic site of action of inhibin to suppress FSH release. Lumpkin M, et al. **Endocrinology** 1981 Mar;108(3):1101–4

The actions of porcine follicular fluid and estradiol on periovulatory secretion of gonadotropic hormones in rats. Rush ME, et al. **Endocrinology** 1981 Jun;108(6):2316–23

Spurious protein activators of Bordetella pertussis adenylate cyclase. Goldhammer AR, et al. **Eur J Biochem** 1981 Apr; 115(3):605–9

Effect of taurodeoxycholate, colipase and temperature on the interfacial inactivation of porcine pancreatic lipase. Granon S, et al. **Eur J Biochem** 1980 Oct;111(1):117–24

Cartilage–derived factor (CDF). II. Somatomedin–like action on cultured chondrocytes. Kato Y, et al. **Exp Cell Res** 1981 Apr;132(2):339–47

Behavioral fever induced in guinea–pigs by intrapreoptic pyrogen. Blatteis CM, et al. **Experientia** 1980 Sep 15; 36(9):1086–8

Inhibition of hypothalamic GnRH synthesis by inhibin. Moodbidri SB, et al. **Experientia** 1981 May 15;37(5):525–6

In vivo effect of inhibin on FSH uptake by rat testis. Vanage GR, et al. **Experientia** 1981 Apr 15;37(4):433–4

Reversal of heavy metal–directed inhibition of RNA synthesis in isolated mouse liver nuclei. Hayashi Y, et al. **FEBS Lett** 1981 Jan 26;123(2):265–8

Selective loss of elastase inhibitory activity of alpha 1–proteinase inhibitor upon chemical modification of its tyrosyl residues. Feste A, et al. **J Biol Chem** 1981 Jun 25; 256(12):6374–80

A protein activator for the enzymic hydrolysis of GM2 ganglioside. Li SC, et al. **J Biol Chem** 1981 Jun 25; 256(12):6234–40

Protein synthesis in rabbit reticulocytes. Co–eIF–2A reverses mRNA inhibition of ternary complex (Met–tRNAf.eIF–2.GTP) formation by eIF–2. Roy R, et al. **J Biol Chem** 1981 May 25;256(10):4719–22

Effect of tau on the vinblastine–induced aggregation of tubulin. Ludueña RF, et al. **J Cell Biol** 1981 Jun;89(3):680–3

In vitro inhibition of endometrial cancer growth by a neonatal rat testicular secretory product. Rosenwaks Z, et al. **J Clin Endocrinol Metab** 1981 Apr;52(4):817–9

Time–related secretion of gonadotrophins after a single injection of steroid–free bovine follicular fluid in prepubertal and adult female rats. Hermans WP, et al. **J Endocrinol** 1981 Jul;90(1):69–76

Synergism between bovine seminal plasma extract and testosterone propionate in suppressing serum concentrations of gonadotrophins in acutely castrated rats: a role for inhibin. Peek JC, et al. **J Endocrinol** 1980 Aug; 86(2):349–55

Effect of interleukin 1 on human thymocytes and purified human T cells. Maizel AL, et al. **J Exp Med** 1981 Feb 1;153(2):470–5

Antigen–specific helper factors present in the supernatant of concanavalin A–induced spleen cell cultures. Kilburn DG, et al. **J Immunol** 1981 Aug;127(2):702–5

Effects of detergents, proteins, and lipids on 2':3'–cyclic–nucleotide 3'–phosphodiesterase activity. Clapshaw PA, et al. **J Neurochem** 1980 Jul;35(1):164–9

Neutrophil release after injections of endotoxin or leukocytic endogenous mediator into rats. Kampschmidt RF, et al. **J Reticuloendothel Soc** 1980 Aug;28(2):191–201

Inhibition of cell proliferation and protease activity by cartilage factors and heparin. Hatcher VB, et al. **J Supramol Struct** 1980;14(1):33–46

SJL tumor: a neoplasm involving macrophages. Ford RJ, et al. **Lab Invest** 1981 Aug;45(2):111–9

Protein enhanced inactivation of viral DNA by UV radiation. Larcom LL, et al. **Photochem Photobiol** 1981 Feb; 33(2):197–202

T–Cell lymphoma model for the analysis of interleukin 1–mediated T–cell activation. Gillis S, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):1133–7

Induction of proliferation and differentiation of neoplastic B cells by anti–immunoglobulin and T–cell factors. Isakson PC, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2507–11

Interleukin 2 is mitogenic for nu/nu and nu/+ murine spleen cells. Lipsick JS, et al. **Proc Natl Acad Sci USA** 1981 Apr; 78(4):2398–402

Stimulation of rheumatoid synovial cell collagenase and prostaglandin production by partially purified lymphocyte–activating factor (interleukin 1). Mizel SB, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2474–7

Ultrastructural changes in gastric ulcers after bicitropeptide and cimetidine treatment. Theron JJ, et al. **S Afr Med J** 1980 Oct 18;58(16):634–8

Kinetics of hemolysis induced by equinatoxin, a cytolytic toxin from the sea anemone Actinia equina. Effect of some ions and pH. Maček P, et al. **Toxicon** 1981;19(2):233–40

Crossreactive cytotoxic T–cell line expanded by T–cell growth factor. Dubey DP, et al. **Transplant Proc** 1981 Mar; 13(1 Pt 2):1153–6

Transplantation of ethibloc–occluded pancreas in pigs. Wayand W, et al. **Transplant Proc** 1980 Dec;12(4 Suppl 2):135–7

[Effect of the addition of hog pancreatic colipase on the permeability to glucose and the phase transition of phosphatidyl choline liposomes] Sari H, et al. **Biochimie** 1981;63(5):389–95 (Eng. Abstr.) **(Fre)**

[Effect of synthetic adjuvants on the biological activity of spleen proteins] Kartasheva AL, et al. **Radiobiologiia** 1981 Mar–Apr;21(2):217–22 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The role of 'Catabolin' in arthritic damage. Dingle JT. **Agents Actions [Suppl]** 1980;7:79–80

Effect of acute pancreatitis on pulmonary transvascular fluid and protein exchange. Lee BC, et al. **Am Rev Respir Dis** 1981 Jun;123(6):618–21

Male ad female inhibin. Hafez ES. **Arch Androl** 1980 Sep; 5(2):131–58 (113 ref.)

Specificity of synexin–induced chromaffin granule aggregation. Dabrow M, et al. **Biochem Biophys Res Commun** 1980 Oct 16;96(3):1164–71

Modulation of reconstituted cholesterol 7 alpha–hydroxylase activity by protein fractions from rat liver cytosol. Danielsson H, et al. **Biochem Biophys Res Commun** 1980 Dec 31;97(4):1459–66

The histidine residues in pig and horse colipases. Granon S, et al. **Biochem Biophys Res Commun** 1981 Mar 16; 99(1):114–9

Inactivation of 3–hydroxy–3–methylglutaryl CoA reductase by Fs+ + and a cytosolic protein. Ramasarma T, et al. **Biochem Biophys Res Commun** 1981 May 15;100(1):170–6

Identification of catabolin, a protein fro synovium which induces degradation of cartilage in organ culture. Saklatvala J, et al. **Biochem Biophys Res Commun** 1980 Oct 16;96(3):1225–31

Steroid–like anti–inflammatory effect of superoxide dismutase in serotonin–, histamine– and kinin–induced edemata of mice: existence of vascular permeability regulating protein(s). Oyanagui Y. **Biochem Pharmacol** 1981 Jul 1; 30(13):1791–8

A MAP–2–stimulated protein kinase activity associated with neurofilaments. Runge MS, et al. **Biochemistry** 1981 Jan 6;20(1):175–80

Taxol assembles tubulin in the absence of exogenous guanosine 5'–triphosphate or microtubule–associated proteins. Schiff PB, et al. **Biochemistry** 1981 May 26; 20(11):3247–52

Isolation and properties of a mitochondrial protein that converts succinate dehydrogenase into succinate–ubiquinone oxidoreductase. Yu CA, et al. **Biochemistry** 1980 Jul 22;19(15):3579–85

Interaction of proteins of epididymal origin with spermatozoa. Kohane AC, et al. **Biol Reprod** 1980 Nov; 23(4):737–42

Increased postovulatory plasma follicle stimulating hormone levels in the luteinized unruptured follicle syndrome: a role for inhibin? Koninckx PR, et al. **Br J Obstet Gynaecol** 1981 May;88(5):525–9

Symposium on acquired pathology of protein structure and function. **Clin Biochem** 1980 Oct;13(5):187–235

Assay of ganglioside GM2–N–acetyl–beta–D–galactosaminidase activity in human fibroblasts employing the natural activator protein––diagnosis of variant forms of GM2 gangliosidosis. Erzberger A, et al. **Clin Chim Acta** 1980 Dec 22; 108(3):361–8

The effects of protein extraction on the structure and filtration properties of renal basement membranes. Robinson GB, et al. **Eur J Biochem** 1980 Oct;111(2):485–90

Microtubule–associated–protein MAP1 is not implicated in the polymerization of microtubules. Villasante A, et al. **Eur J Biochem** 1980 Dec;112(3):611–6

Chromosome condensing ability of mitotic proteins diminished by the substitution of phenylalanine with parafluorophenylalanine. Sunkara PS, et al. **Eur J Cell Biol** 1981 Feb;23(2):312–6

Influence of external diffusible factors on myogenesis of the cells of the line L6. Delain D, et al. **Exp Cell Res** 1981 Jan;131(1):217–24

Cartilage–derived factor (CDF) I. Stimulation of proteoglycan synthesis in rat and rabbit costal chondrocytes in culture. Kato Y, et al. **Exp Cell Res** 1980 Nov;130(1):73–81

Microbicidal cationic proteins in rabbit alveolar macrophages: a potential host defense mechanism. Patterson–Delafield J, et al. **Infect Immun** 1980 Oct; 30(1):180–92

The pineal gland––a survey of its antigonadotropic substances and their actions. Vaughn MK. **Int Rev Physiol** 1981; 24:41–95 (287 ref.)

Adrenoceptor control of lung fluid and protein exchange. Hakim TS, et al. **J Appl Physiol** 1981 Jul;51(1):68–72

Cytosolic modulators of activities of microsomal enzyme of cholesterol biosynthesis. Role of a cytosolic protein with properties similar to Z–protein (fatty acid–binding protein). Billheimer JT, et al. **J Biol Chem** 1980 Sep 10; 255(17):8128–35

Role of synexin in membrane fusion. Enhancement of calcium–dependent fusion of phospholipid vesicles. Hong K, et al. **J Biol Chem** 1981 Apr 25;256(8):3641–4

Protein–facilitated intermembrane transfer of squalene. Demonstration by density gradient centrifugation. Kojima Y, et al. **J Biol Chem** 1981 Jul 25;256(14):7235–9

Characteristics of magnesium–adenosine triphosphate–dependent inactivators of 3–hydroxy–3–methylglutaryl coenzyme A reductase. Ness GC, et al. **J Biol Chem** 1980 Oct 10;255(19):9013–6

A microtubule–associated protein specific to differentiated neuroblastoma cells. Olmsted JB, et al. **J Biol Chem** 1981 Apr 10;256(7):3507–11

Developmental appearance of the vitamin K–dependent protein of bone during calcification. Analysis of mineralizing tissues in human, calf, and rat. Price PA, et al. **J Biol Chem** 1981 Apr 25;256(8):3781–4

Secretory protein decondensation as a distinct,

Ca2+-mediated event during the final steps of exocytosis in Paramecium cells. Bilinski M, et al. **J Cell Biol** 1981 Jan;88(1):179–88

Regulation of microvillus structure: calcium-dependent solation and cross-linking of actin filaments in the microvilli of intestinal epithelial cells. Mooseker MS, et al. **J Cell Biol** 1980 Dec;87(3 Pt 1):809–22

Influence of peritubular protein on solute absorption in the rabbit proximal tubule. A specific effect on NaCl transport. Berry CA, et al. **J Clin Invest** 1981 Aug;68(2):506–16

Responsiveness of the pituitary gland to androgens and of the tests to gonadotrophins following damage to spermatogenesis in rats. Main SJ, et al. **J Endocrinol** 1980 Dec;87(3):445–54

Negative feedback of secretion of follicle-stimulating hormone by the pituitary gland of developing male rats. Sheth AR, et al. **J Endocrinol** 1980 Dec;87(3):401–7

Possible involvement of inhibin in the interrelationship between numbers of antral follicles and peripheral FSH concentrations in female rats. Welschen R, et al. **J Reprod Fertil** 1980 Nov;60(2):485–93

A theoretical consideration of fundamental biological phenomena on cell-specific mitosis-inhibiting protein excretion hypothesis. Onda H. **J Theor Biol** 1980 Aug 21; 85(4):771–87

Association of cellular 56,000- and 32,000-molecular-weight protein with BK virus and polyoma virus t-antigens. Rundell K, et al. **J Virol** 1981 Mar;37(3):1090–3

Role of intracellular proteins in the regulation of calcium action and transmitter release during exocytosis. Pollard HB, et al. **Monogr Neural Sci** 1980;7:106–16

A protein called immaturin controlling sexual immaturity in Paramecium. Haga N, et al. **Nature** 1981 Jan 15; 289(5794):177–9

The emergence of man: information from protein systems. Jope EM. **Philos Trans R Soc Lond [Biol]** 1981 May 8; 292(1057):121–31 (64 ref.)

T cell-dependent activation of resting B cells: requirement for both nonspecific unrestricted and antigen-specific Ia-restricted soluble factors. Anderson J, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2497–501

Electron tunneling process and the segment mobility of macromolecules. Chernavskii DS, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7218–21

Molecular evolution of biologically active polypeptides. Acher R. **Proc R Soc Lond [Biol]** 1980 Oct 29; 210(1178):21–43

Natriuretic hormone linked to hypertension [news] Marx JL. **Science** 1981 Jun 12;212(4500):1255–7

The role of collagen in cell adhesion. Klebe RJ, et al. **Suppl Thromb Haemostas** 1978;63:363–78

Effects of pulmonary vascular recruitment on gamma scintigraphy and pulmonary capillary protein leak. Sugerman HJ, et al. **Surgery** 1981 Aug;90(2):388–95

The evolutionary origin of toxic proteins. Ivanov OC. **Toxicon** 1981;19(1):171–8

SV40-53K antigen: a possible role for 53K in normal cells. Milner J, et al. **Virology** 1981 Jul 30;112(2):785–8

[Inhibin – a new ovarian hormone] Presl J. **Cesk Gynekol** 1981 Mar;46(2):132–3 **(Cze)**

[Origin and sites of action of inhibin (author's transl)] Demoulin A, et al. **Ann Endocrinol (Paris)** 1980; 41(4):291–302 **(Fre)**

[Plasma lipoprotein levels in relation to dietary habits] Seu A, et al. **Boll Soc Ital Biol Sper** 1980 Oct 15;56(19):1945–50 (Eng. Abstr.) **(Ita)**

[Phosphorylated proteins as physiological effectors (author's transl)] Uno I. **Seikagaku** 1980;52(2):67–83 (131 ref.) **(Jpn)**

[Role of arginine residues in the biological function of peptides and proteins (author's transl)] Farbiszewski R, et al. **Postepy Biochem** 1980;26(3):291–311 (96 ref.) **(Pol)**

[Role of nucleic acids and proteins of the gastric mucosa in the secretory process] Svistun TI, et al. **Fiziol Zh** 1981 Jan-Feb;27(1):101–7 (68 ref.) **(Rus)**

[Results and prospects in the study of peptide and protein hormones] Pankov IuA. **Vestn Akad Med Nauk SSSR** 1980; (7):61–71 (37 ref.) (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Free radical initiation in proteins and amino acids by ionizing and ultraviolet radiations and lipid oxidation--Part 22: ultraviolet radiation and photolysis. Schaich KM. **CRC Crit Rev Food Sci Nutr** 1980;13(2):131–59

Free radical initiation in proteins and amino acids by ionizing and ultraviolet radiations and lipid oxidation--Part I: ionizing radiation. Schaich KM. **CRC Crit Rev Food Sci Nutr** 1980;13(2):89–129 (306 ref.)

Free radical initiation in proteins and amino acids by ionizing and ultraviolet radiations and lipid oxidation--part III: free radical transfer from oxidizing lipids. Schaich KM. **CRC Crit Rev Food Sci Nutr** 1980;13(3):189–244 (362 ref.)

Proteins crosslinked to messenger RNA by irradiating polyribosomes with ultraviolet light. Greenberg JR. **Nucleic Acids Res** 1980 Dec 11;8(23):5685–701

SECRETION

Possible existence of a long-loop feedback system between FSH and inhibin in female rats. DePaolo LV, et al. **Am J Physiol** 1981 May;240(5):E544–9

Secretion of alpha 1-proteinase inhibitor by cultured rat alveolar macrophages. White R, et al. **Am Rev Respir Dis** 1981 Apr;123(4 Pt 1):447–9

Inhibition of secretion of proteins and triacylglycerol from isolated rat hepatocytes mediated by benzimidazole carbamate antimicrotubule agents. Birkett CR, et al. **Biochem Pharmacol** 1981 Jun 15;30(12):1629–33

Output of protein and enzymes in rat bile. Godfrey PP, et al. **Biochem Soc Trans** 1981 Feb;9(1):156

Lipid A induces cells, uniquely present in bone marrow, to secrete proteins other than immunoglobulins. Gollapudi SV, et al. **Eur J Biochem** 1980;108(1):233–7

The Xenopus oocyte as a surrogate secretory system. The specificity of protein export. Lane CD, et al. **Eur J Biochem** 1980 Oct;111(1):225–35

Male mouse submaxillary gland secretes highly toxic proteins. Hiramatsu M, et al. **Experientia** 1980 Aug 15;36(8):940–2

A receptor for single segments of secretory proteins in rough endoplasmic reticulum membranes. Prehn S, et al. **FEBS Lett** 1981 Jan 12;123(1):79–84

Secreted proteins in the medium of microinjected Xenopus oocytes are degraded by oocyte proteases. Soreq H, et al. **FEBS Lett** 1981 Jun 15;128(2):305–10

Autonomic control of lacrimal protein secretion. Bromberg BB. **Invest Ophthalmol Vis Sci** 1981 Jan;20(1):110–6

Identification and characterization of a membrane component essential for the translocation of nascent proteins across the membrane of the endoplasmic reticulum. Meyer DI, et al. **J Cell Biol** 1980 NOV;87(2 Pt 1):503–8

Stimulus secretion coupling: role of cyclic GMP and calcium in the regulation of secretion from rat exocrine pancreas. Rochette-Egly C, et al. **J Cell Physiol** 1980 Nov; 105(2):301–11

Radiolabelled uterine proteins during early pregnancy and pseudopregnancy in mice after unilateral ovariectomy and superovulation. Fishel SB. **J Reprod Fertil** 1980 Jul; 59(2):473–8

Pathways to secretion. Newmark P. **Nature** 1979 Oct 25; 281(5733):629–30

Purification of a membrane-associated protein complex required for protein translocation across the endoplasmic reticulum. Walter P, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7112–6

Protein secretion by the pancreas. Dumont AE. **Science** 1980 Sep 26;209(4464):1553–4

[Simultaneous increase in the aromatization of testosterone into estrogens and secretion of inhibin by Sertoli cells in culture] Franchimont P, et al. **C R Soc Biol (Paris)** 1980; 174(5):893–7 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Bicitropeptide and cimetidine in the treatment of duodenal ulcers. A double-blind, double-dummy endoscopically controlled trial. Moshal MG, et al. **S Afr Med J** 1980 Oct 18;58(16):631–3

Bicitropeptide and cimetidine in the treatment of duodenal ulcers [letter] van Rensburg W. **S Afr Med J** 1981 Feb 14;59(7):210

Angiogenesis inhibitors link many diseases [news] Maugh TH. **Science** 1981 Jun 19;212(4501):1374–5

[Conservative management of senile cataract with conjunctisan A eye drops] Fuchs J. **Klin Monatsbl Augenheilkd** 1979 Dec;175(6):799–805 (Eng. Abstr.) **(Ger)**

[Effect of stimulation therapy with panodine on the phagocytosis index] Modzelewska I, et al. **Pediatr Pol** 1980 Jul;55(7):833–9 (Eng. Abstr.) **(Pol)**

TOXICITY

A pyrogen derived from human white cells which is active in mice. Gordon AH, et al. **Br J Exp Pathol** 1980 Oct; 61(5):534–9

The acetylation of the amino groups of Laticauda semifasciata III, a sea snake venom component. Kim HS, et al. **J Biochem (Tokyo)** 1980 Sep;88(3):889–93

[Toxicity of burned skin high molecular weight protein according to the results of biological experiments in vivo and in vitro] Movshev BE, et al. **Biull Eksp Biol Med** 1980 Oct;90(10):422–5 (Eng. Abstr.) **(Rus)**

PROTEINS, BACTERIAL see **BACTERIAL PROTEINS**

PROTEINS, RIBOSOMAL see **RIBOSOMAL PROTEINS**

PROTEINURIA

see related

MYOGLOBINURIA

The results of analyte enhancement and use of supplied urine protein standard on the CAP Urine Chemistry Survey Program. Glenn GC. **Am J Clin Pathol** 1980 Oct;74(4 Suppl):531–4

Urinary protein measurement by the Coomassie Blue dye-binding method adapted to the ABA-100 Bichromatic Analyzer [letter] Joern WA, et al. **Clin Chem** 1981 Jul; 27(7):1305

Effect of protein on titrimetry of bicarbonate, titratable acid, and ammonium in urine. Litkowski LJ, et al. **Clin Chem** 1979 Mar;25(3):362–5

Symposium on experimental and clinical aspects of proteinuria, Giessen, March 22–23, 1980. **Contrib Nephrol** 1981;24:1–166

Urinary excretion of alanine aminopeptidase and total proteinuria in experimental diabetes mellitus before and after islet transplantation. Bretzel RG, et al. **Contrib Nephrol** 1981;24:153–64

Renal protein handling in normal, hypertensive and diabetic man. Mogensen CE, et al. **Contrib Nephrol** 1981;24:139–52

Experimental and clinical aspects of proteinuria. Introduction. Weise M. **Contrib Nephrol** 1981;24:VI–IX

Steroidogenic characteristics of a new aldosterone-stimulating factor (ASF) isolated from normal human urine. Saito I, et al. **Hypertension** 1981 May-Jun; 3(3):300–5

[Physiologic proteinuria in labor] Svarc V, et al. **Cesk Gynekol** 1981 Mar;46(2):117–8 **(Cze)**

BLOOD

[Plasma renin and proteinuria in renovascular hypertension in the rat] Pauletto P, et al. **Minerva Nefrol** 1980 Jul-Sep; 27(3):439–46 (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

Increased urinary protein excretion after intravenous injection of furosemide in man. Ylitalo P, et al. **Acta Med Scand** 1980;208(4):279–83

Proteinuria after selective nephroangiography in man. Comparison of three contrast media. Kråkenes J, et al. **Acta Radiol [Diagn] (Stockh)** 1980;21(3):401–6

Retinol-binding protein and beta 2-microglobulin in urine of cadmium-fed rhesus monkeys. Nomiyama K, et al. **Arch Environ Contam Toxicol** 1981;10(3):297–304

Evaluation of renal dysfunction induced by cadmium in man by determination of enzymes and specific proteins in urine. Bernard A. **Arch Toxicol [Suppl]** 1980;(4):223–32

Drug-induced proteinuria. Matthes KJ. **Contrib Nephrol** 1981;24:109–14

Proteinuria produced by urographic contrast media. Golman K, et al. **Invest Radiol** 1980 Nov-Dec;15(6 Suppl):S61–5

Nafcillin, pseudoproteinuria, and hypokalemic alkalosis. Andreoli SP, et al. **J Pediatr** 1980 Nov;97(5):841–2

Proteinuria in D-penicillamine-treated rheumatoid arthritis. Crawhall JC. **J Rheumatol [Suppl]** 1981 Jan-Feb;7:161–3

The relationship between D-penicillamine — induced proteinuria and prior gold nephropathy. Billingsley LM, et al. **Johns Hopkins Med J** 1981 Feb;148(2):64–7

Proteinuria in the Fischer rat by feeding 2-aminoanthraquinone. Gothoskar SV, et al. **Med Biol** 1980 Dec;58(6):337–40

Effect of captopril on pre-existing and aminonucleoside-induced proteinuria in spontaneously hypertensive rats. Chiu PJ, et al. **Res Commun Chem Pathol Pharmacol** 1981 Mar; 31(3):419–33

Tubuloproteinuria in cancer chemotherapy. Fleming JJ, et al. **Ric Clin Lab** 1980 Jan-Mar;10(1):135–41

[Effect of the time of administration of theophylline on the excretion of water, electrolytes and proteins in the rat] Cambar J, et al. **J Urol Nephrol (Paris)** 1979 Dec; 85(12):859–62 **(Fre)**

[Evaluation of nephrotoxic effect od ampicillin, methicillin and carbenicillin in treated children] Jabłońska-Ulbrych A, et al. **Pediatr Pol** 1980 Apr;55(4):457–62 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Urinary findings and renal function in hypertensive and normotensive women. Sigurdsson JA, et al. **Acta Med Scand [Suppl]** 1981;646:51–3

Quantitative relationship between glomerular foot process width and proteinuria in glomerulonephritis. Seefeldt T, et al. **Lab Invest** 1981 Jun;44(6):541–6

DIAGNOSIS

Haematuria: glomerular or non-glomerular? Urinary protein fractions in monosymptomatic haematuria. Miltényi M, et al. **Acta Paediatr Acad Sci Hung** 1981;22(1–2):71–6

Clinical significance of estimation of the selectivity of proteinuria. Chen MF, et al. **Chin Med J [Engl]** 1981 Jan; 94(1):56–62

Simultaneous studies of serum and urinary proteins for evaluation and diagnosis of glomerular damages in proteinuric patients. Chuang CY, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1980 Dec;13(4):376–85

Urinary protein markers of tubulointerstitial nephritis. Zager RA. **Invest Urol** 1980 Nov;18(3):197–202

Urinary proteins as biological markers: bladder cancer diagnosis versus urinary tract infection. O'Brien P, et al. **J Urol** 1980 Dec;124(6):802–3

False-positive test for protein using dipsticks: contamination with chlorhexidine antiseptic [letter] Rudensky B. **JAMA** 1981 Sep 4;246(10):1089

Isolated proteinuria in asymptomatic patients. Robinson RR. **Kidney Int** 1980 Sep;18(3):395–406

Postural (orthostatic) proteinuria: no causes for concern [editorial] Glassock RJ. **N Engl J Med** 1981 Sep 10; 305(11):639–41

Prognosis in postural (orthostatic) proteinuria: forty to fifty-year follow-up of six patients after diagnosis by Thomas Addis. Rytand DA, et al. **N Engl J Med** 1981 Sep 10;305(11):618–21

The prognosis of idiopathic nephrotic syndrome: a comparative study between the index of selectivity of proteinuria and the findings in renal biopsies. Schwarz R, et al. **Paediatr Paedol** 1980;15(2):131–6

Renal dysfunction. 2. Proteinuria. Ward PC. **Postgrad Med** 1981 Jun;69(6):91–9

[Electrophoresis of urinary proteins in chronic renal diseases] Matoušovic K, et al. **Vnitr Lek** 1981 May;27(5):475–80 (Eng. Abstr.) **(Cze)**

[Proteinuria after kidney transplantation] Veselá-Petráčková E, et al. **Vnitr Lek** 1981 Jan;27(1):28–36 (Eng. Abstr.) **(Cze)**

[Determination of proteinuria in children: changes in results according to the methods used (author's transl)] Zawislak R, et al. **Arch Fr Pediatr** 1981 Mar;38(3):171–5 (Eng. Abstr.) **(Fre)**

[Diagnosis of kidney diseases uring urinary protein analysis based on molecular weight] Lison AE, et al. **Med Welt** 1980 Apr 25;31(17):627–8 **(Ger)**

DIET THERAPY

Dietary enrichment with the polyunsaturated fatty acid eicosapentaenoic acid prevents proteinuria and prolongs survival in NZB x NZW F1 mice. Prickett JD, et al. **J Clin Invest** 1981 Aug;68(2):556–9

DRUG THERAPY

Effect of dipyridamole on proteinuria of nephrotic syndrome [letter] Okada S, et al. **Lancet** 1981 Mar 28;1(8222):719–20

ENZYMOLOGY

Urinary excretion of beta-hexosaminidase in different forms of proteinuria. Hultberg B. **Clin Chim Acta** 1980 Dec 8; 108(2):195–9

ETIOLOGY

Urinary excretion of albumin and total protein in normal and streptozotocin diabetic rats. Rasch R, et al. **Acta Endocrinol (Copenh)** 1980 Nov;95(3):376–81

On the renal tubular damage in hereditary tyrosinemia and on the formation of succinylacetoacetate and succinylacetone. Fällström SP, et al. **Acta Paediatr Scand** 1981;70(3):315–20

Tubular proteinuria after perinatal hypoxia. Miltényi M, et al. **Acta Paediatr Scand** 1981;70(3):399–403

Determinants of the glomerular filtration of proteins. Deen WM, et al. **Am J Physiol** 1981 Aug;241(2):F162–70

Proteinuria in rheumatoid arthritis--drug-induced or amyloid? Bourke BE, et al. **Ann Rheum Dis** 1981 Jun; 40(3):240–4

Proteinuria and nephrotic syndrome induced by renin in patients with renal artery stenosis. Kumar A, et al. **Arch Intern Med** 1980 Dec;140(12):1631–4

Urinary protein profiles in patients with urothelial bladder tumours. Hemmingsen L, et al. **Br J Urol** 1981 Aug; 53(4):324–9

Proteins in the urine associated with Duchenne muscular dystrophy and other neuromuscular diseases. Frearson N, et al. **Clin Sci** 1981 Aug;61(2):141–9

Characteristics of protein excretion in glomerular and tubular disease. Alt JM, et al. **Contrib Nephrol** 1981;24:115–21

Proteinuria in nonrenal infectious diseases. Ehrich JH, et al. **Contrib Nephrol** 1981;24:122–33

Proteinuria in relation to toxaemia of pregnancy. Lison AE, et al. **Contrib Nephrol** 1981;25:128–31

Tubular proteinuria following jejuno-ileal bypass surgery. Hey H, et al. **Int J Obes** 1981;5(2):155–61

Effects of prostaglandin inhibitors on the onset of proteinuria and stroke in stroke-prone spontaneously hypertensive rats. Nagaoka A, et al. **Jpn J Pharmacol** 1981 Feb;31(1):125–7

Development of retinopathy and proteinuria in relation to plasma-glucose concentrations in Pima Indians. Pettitt DJ, et al. **Lancet** 1980 Nov 15;2(8203):1050–2

Proteinuria in long term streptozotocin diabetes in rats. Bauman JW Jr. **Life Sci** 1980 Dec 1;27(22):2121–4

Proteinuria in glomerulonephritis. Troccoli R, et al. **Quad Sclavo Diagn** 1980 Sep;16(3):290–3

Proteinuria and the nephrotic syndrome in homozygous sickle cell anaemia. Nicholson GD, et al. **West Indian Med J** 1980 Dec;29(4):239–46

Proteinuria and the nephrotic syndrome in homozygous sickle cell anaemia. Nicholson GD, et al. **West Indian Med J** 1980 Dec;29(4):239–46

[Diabetic proteinuria. Statistical study (author's transl)] Glandier Y, et al. **Sem Hop Paris** 1980 Nov 18–25; 56(43–44):1833–6 (Eng. Abstr.) **(Fre)**

[Findings on proteinuria in selected diabetic patients. Relation to microangiopathy and its prognostic significance] Scaroina F, et al. **Minerva Med** 1981 Mar 10;72(9):561–8 (Eng. Abstr.) **(Ita)**

[Acute glomerulonephritis in children: long-term prognosis] Martínez J, et al. **Bol Med Hosp Infant Mex** 1981 Mar–Apr; 38(2):251–8 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Fulminant meningococcemia in a child with hereditary deficiency of the seventh component of complement and proteinuria. Loirat C, et al. **Acta Paediatr Scand** 1980 Jul; 69(4):553–7

Long-term outcome and clinical significance of orthostatic proteinuria. Buzio C, et al. **Ric Clin Lab** 1980 Jan–Mar; 10(1):157–62

HISTORY

Ingemar Berggård 1931–1978. Laurent TC. **Scand J Clin Lab Invest** 1980;40 Suppl 154:1–2

IMMUNOLOGY

Dog and cat allergens: urinary proteins or dander proteins? Hoffman DR. **Ann Allergy** 1980 Oct;45(4):205–6

Renal handling and pathophysiology of Bence Jones proteins. Clyne DH, et al. **Contrib Nephrol** 1981;24:78–87

Factor B and C3b inactivator clearance in patients with proteinuria. Iitaka K. **Nippon Jinzo Gakkai Shi** 1980 Jun; 22(6):655–63

Light chain polymerism in normal individuals in patients with severe proteinuria and in normals with inhibited tubular protein reabsorption by lysine. Sølling K. **Scand J Clin Lab Invest** 1980 Apr;40(2):129–34

[HIA antigens (A,B and DR) in renovascular complications of pregnancy: preliminary results] Simon P, et al. **J Urol Nephrol (Paris)** 1979 Dec;85(12):827–31 **(Fre)**

[Immunologic studies with the lymphocyte transformation test on the side effects of D-penicillamine therapy in Wilson's disease] Storch W, et al. **Z Gesamte Inn Med** 1980 Jul 1;35(13):567–70 (Eng. Abstr.) **(Ger)**

[Plasma immunoglobulins. Repercussions of urinary loss in glomerulonephritis] Barceló P, et al. **Rev Clin Esp** 1981 Mar 15;160(5):323–6 (Eng. Abstr.) **(Spa)**

METABOLISM

Amino acid utilization and urine protein excretion in children treated with succinylated Acinetobacter glutaminase-asparaginase. Kien CL, et al. **Cancer Res** 1981 Jun;41(6):2056–62

Furosemide disposition in normal and proteinuric rats: urinary drug-protein binding as a determinant of drug excretion. Green TP, et al. **J Pharmacol Exp Ther** 1981 Jul;218(1):122–7

Mercury accumulation in kidney lysosomes or proteinuric rats. Madsen KM. **Kidney Int** 1980 Oct;18(4):445–53

Acquired isolated factor X deficiency associated with systemic amyloidosis. Case report and review of literature. Girmann G, et al. **Klin Wochenschr** 1980 Sep 1; 58(17):859–62

The usefulness of acute phase proteins in predicting the selectivity of proteinuria. Lubega J. **Ric Clin Lab** 1980 Jan–Mar;10(1):107–11

Comparison, by sodium dodecyl sulfate-polyacrylamide gel electrophoresis, of urinary proteins excreted by workers exposed to cadmium, mercury or lead. Bernard A, et al. **Toxicol Lett** 1980 Mar;5(3–4):219–22

[Thyroxine (T4) turnover and transport in kidney diseases with mild and marked proteinuria] Snarska J. **Pol Arch Med Wewn** 1980 Jul;64(1):35–43 (Eng. Abstr.) **(Pol)**

[Serum and urine zinc values in nephropathies expressed as nephrotic syndrome or nephrotic-range proteinuria] Temes-Montes XL, et al. **Rev Clin Esp** 1980 Nov 15; 159(3):159–61 (Eng. Abstr.) **(Spa)**

OCCURRENCE

[Diabetic proteinuria. Statistical study (author's transl)] Glandier Y, et al. **Pathol Biol (Paris)** 1980 Feb;28(2):113–6 (Eng. Abstr.) **(Fre)**

[Proteinuria in samples from young and old persons in the population] Mimica M, et al. **Acta Med Iugosl** 1981; 35(3):165–72 (Eng. Abstr.) **(Scr)**

PATHOLOGY

Glomerular permeability: ultrastructural quantitative studies relating proteinuria to pathologic features in murine lupus nephritis. Cavallo T, et al. **Am J Pathol** 1980 Oct; 101(1):93–100

Proteinuria induced by sodium maleate in rats: effects on ultrastructure and protein handling in renal proximal tubule. Christensen EI, et al. **Kidney Int** 1980 Jun; 17(6):771–87

Quantitative relationship between glomerular foot process width and proteinuria in glomerulonephritis. Seefeldt T, et al. **Lab Invest** 1981 Jun;44(6):541–6

PHYSIOPATHOLOGY

Low molecular weight proteinuria. Hall CL, et al. **Annu Rev Med** 1979;30:199–211 (64 ref.)

Glomerular alterations and proteinuria in the 'two-kidney' Goldblatt hypertensive rats. Szokol M, et al. **Artery** 1980; 8(4):404–9

The glomerular sieve and the mechanisms of proteinuria. Ryan GB. **Aust NZ J Med** 1981 Apr;11(2):197–206 (55 ref.)

Chlorpropamide-alcohol flushing and proteinuria in non-insulin-dependent diabetics. Barnett AH, et al. **Br Med J [Clin Res]** 1981 Feb 14;282(6263):522–3

The proteinuria of diabetic nephropathy. Jones RH, et al. **Clin Chim Acta** 1980 Dec 22;108(3):375–83

Aetiology and effects of proteinuria in pregnancy. Kelly AM, et al. **Contrib Nephrol** 1981;24:134–8

Micropuncture studies of the mechanisms of normal and pathologic albuminuria. Oken DE, et al. **Contrib Nephrol** 1981;24:1–7

Isolated proteinuria. Robinson RR. **Contrib Nephrol** 1981; 24:53–62

Beta 2-microglobulin and other proteins as parameter for tubular function. Weise M, et al. **Contrib Nephrol** 1981; 24:88–98

Clinical applications of selectivity of proteinuria. White RH. **Contrib Nephrol** 1981;24:63–71

On the mechanism of angiotensin-induced proteinuria. I. Studies in aminonucleoside nephrotic rats and in saralasin blockade. Bauman JW Jr. **Nephron** 1981;27(1):47–50

Renal function in rats with unilateral proteinuria produced by renal perfusion with aminonucleoside. Chandra M, et al. **Pediatr Res** 1981 Apr;15(4 Pt 1):340–4

[Effect of diabetes control and arterial blood pressure normalization on diurnal proteinuria in diabetic nephropathy] Janeczko D, et al. **Pol Arch Med Wewn** 1980 Sep;64(3):213–9 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

[Persistent tubular Nephrogram in a newborn (author's transl)] Baráibar Castelló R, et al. **An Esp Pediatr** 1980 Jun;13(6):522–8 (Eng. Abstr.) **(Spa)**

URINE

Proteinuria and diabetic control in insulin-dependent diabetes mellitus. Viberti GC, et al. **Acta Endocrinol [Suppl] (Copenh)** 1981;97(242):59–60

Prospective evaluation of routine admission urinalyses. Hermansen MC, et al. **Am J Dis Child** 1981 Feb; 135(2):126–30

Automatic assay of urinary protein using Coomassie Brilliant Blue G-250. Sano K, et al. **Anal Biochem** 1981 May 1; 113(1):197–201

Isolation and partial characterization of a low molecular weight trypsin inhibitor from human urine. Fex G, et al. **Biochim Biophys Acta** 1981 Feb 27;667(2):303–8

Determination of urine and cerebrospinal fluid protein with the American Monitor KDA. Scime MJ. **Clin Biochem** 1980 Aug;13(4):144–5

Rapid sodium dodecyl sulfat/polyacrylamide gel electrophoresis of urinary proteins. Cachera C, et al. **Clin Chem** 1980 Oct;26(11):1588–90

Nafcillin may cause a subtle pseudoproteinuria [letter] Glick MR, et al. **Clin Chem** 1981 Mar;27(3):506–7

Normal urinary protein composition in the female Wistar rat and its relationship to the proteinuria induced by intraperitoneal bovine albumin. Lawrence GM, et al. **Clin Sci** 1981 Jun;60(6):693–702

Glomerular filtration of macromolecules: normal mechanisms and the pathogenesis of proteinuria. Rennke HG, et al. **Contrib Nephrol** 1981;24:30–41

Urinary excretion and renal clearance of specific plasma proteins in diabetes of short and long duration. Aronoff SL, et al. **Diabetes** 1981 Aug;30(8):656–63

Correlation of total cholesterol and protein in urine in patients with the nephrotic syndrome. Jüngst D, et al. **Klin Wochenschr** 1980 Nov 3;58(21):1215–6

Tubular proteinuria in myeloma. Ballocchi S, et al. **Ric Clin Lab** 1980 Jan–Mar;10(1):149–56

Characterisation of diabetic proteinuria. Myer R, et al. **Ric Clin Lab** 1980 Jan–Mar;10(1):143–8

Gel filtration of urine: a method to detect nephrotoxicity in rats. Dierickx PJ, et al. **Toxicol Lett** 1981 Mar; 7(6):399–403

[An investigation of urinary protein excretion with sodium dodecyl sulfate polyacrylamide gel electrophoresis (author's transl)] Chen MF. **Chung Hua Nei Ko Tsa Chih** 1979;18(5):326–9 **(Chi)**

[Quantitative determination of total urinary protein utilizing the principle of Coomassie Brilliant Blue G250 binding to protein (author's transl)] Thomas L, et al. **J Clin Chem Clin Biochem** 1981 Apr;19(4):203–8 (Eng. Abstr.) **(Ger)**

[Usage of the gel filtration method for the determination of urinary proteins (author's transl)] Marsili G, et al. **Quad Sclavo Diagn** 1979 Sep;15(3):809–15 (Eng. Abstr.) **(Ita)**

[A quantitative determination of protein in urine. An evaluation of the Esbach method] Oian P, et al. **Tidsskr Nor Laegeforen** 1981 Feb;101(6):402–3 (Eng. Abstr.) **(Nor)**

VETERINARY

Urinary protein excretion and immunopathologic findings in dogs with glomerular disease. DiBartola SP, et al. **J Am Vet Med Assoc** 1980 Jul 1;177(1):73–7

Proteinuria in rats in relation to age-dependent renal changes. Alt JM, et al. **Lab Anim** 1980 Apr;14(2):95–101

PROTEOCHONDROITIN SULFATES see under **PROTEOGLYCANS**

PROTEOGLYCANS

The link proteins of cartilage proteoglycan aggregates: structure and function. Baker JR, et al. **Ala J Med Sci** 1981 Jan;18(1):46–51

Effect of proteoglycans (Pg) and glycosaminoglycans (GAG) on prostacyclin (PGI2) and PGI2-formation of rat arteries. Klein K, et al. **Artery** 1980;8(1):37–42

Structural analysis of chick-embryo cartilage proteoglycan

by selective degradation with chondroitin lyases (chondroitinases) and endo-beta-D-galactosidase (keratanase). Oike Y, et al. **Biochem J** 1980 Oct 1; 191(1):193-207

Chemical and immunological characterization of proteoglycans of embryonic chick calvaria. Sugahara K, et al. **Dev Biol** 1981 Jul 15;85(1):180-9

Characterization of chondroitin sulfate-rich proteoglycans from bovine corneal stroma. Axelsson I, et al. **Exp Eye Res** 1980 Jul;31(1):57-66

Studies on the characterization of the linkage-region between polysaccharide chain and core protein in bovine corneal proteokeratan sulfate. Keller R, et al. **Hoppe Seylers Z Physiol Chem** 1981 Mar;362(3):327-36

Vessel proteoglycans and thrombogenesis. Wight TN. **Prog Hemost Thromb** 1980;5:1-39

Ultrastructure of hydrated proteoglycans using a pulsed plasma source. Panessa BJ, et al. **Ultramicroscopy** 1981; 6(2):139-48

[Proteoglycans and their changes in disease] Ivaska K, et al. **Duodecim** 1980;96(22):1518-31 **(Fin)**

[Effect of 2 methods of demineralization on the on the preservation of glycoproteins and proteoglycans in the intertubular and peritubular dentin in the horse] Goldberg M, et al. **J Biol Buccale** 1980 Dec;8(4):315-30 (Eng. Abstr.) **(Fre)**

ANALYSIS

Electron microscopy of cartilage proteoglycans. Hascall GK. **Ala J Med Sci** 1980 Jul-Oct;17(3-4):278-83

Structural changes related to malignancy in proteoglycans from cartilage neoplasms. Rosenberg LC, et al. **Ala J Med Sci** 1980 Jul-Oct;17(3-4):283-92

Proteoglycans in the microvascular. II. Histochemical localization in proliferating capillaries of the rabbit cornea. Ausprunk DH, et al. **Am J Pathol** 1981 Jun;103(3):367-75

Proteoglycans in the microvasculature. I. Histochemical localization in microvessels of the rabbit eye. Ausprunk DH, et al. **Am J Pathol** 1981 Jun;103(3):353-66

Characterization of fragments produced by clostripain digestion of proteoglycans from the Swarm rat chondrosarcoma. Caputo CB, et al. **Arch Biochem Biophys** 1980 Oct 1;204(1):220-33

An enzyme-linked immunoassay for the cartilage proteoglycan. Rennard SI, et al. **Arch Biochem Biophys** 1981 Apr 1;207(2):399-406

Pericellular proteoglycan concentrations in early degenerative arthritis. Mitchell N, et al. **Arthritis Rheum** 1981 Jul;24(7):958-64

Fluorescent antibody localization of Microciona prolifera aggregation factor and its baseplate component. Kuhns WJ, et al. **Eur J Cell Biol** 1980 Dec;23(1):73-9

Structural data concerning the link proteins from bovine nasal cartilage proteolycan complex. Périn JP, et al. **FEBS Lett** 1980 Oct 6;119(2):333-6

The use of brominated toluidine blue O in X-ray microanalysis for proteoglycan. Mitchell N, et al. **Histochemistry** 1980;68(3):245-51

Immunochemical localization of collagen types and proteoglycan in pig intervertebral discs. Beard HK, et al. **Immunology** 1980 Oct;41(2):491-501

Isolation and characterization of proteodermatansulfate from rat skin. Miyamoto I, et al. **J Biochem (Tokyo)** 1980 Dec; 88(6):1793-803

Proteoglycans from bovine nasal cartilage. Immunochemical studies of link protein. Poole AR, et al. **J Biol Chem** 1980 Oct 10;255(19):9295-305

13C nuclear magnetic resonance suggests a flexible proteoglycan core protein. Torchia DA, et al. **J Biol Chem** 1981 Jul 25;256(14):7129-38

Effect of the retinoic acid analog Ro 11-1430 on proteoglycans of swarm rat chondrosarcoma. Oegema TR Jr, et al. **JNCI** 1981 Jul;67(1):99-106

Isolation of a heparan sulfate-containing proteoglycan from basement membrane. Hassell JR, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4494-8

[Structure of the cell wall polysaccharide in the food protein yeast Candida spec. H. IV. Structure of the alkali labile oligosaccharide in the mannan-protein-phosphate complex] Grimmecke HD, et al. **Z Allg Mikrobiol** 1981; 21(3):211-8 (Eng. Abstr.) **(Ger)**

[Structure of the cell wall polysaccharide in the food protein yeast Candida spec H. III. Characterization of different phosphate bonds in the mannan-protein-phosphate complex] Grimmecke HD, et al. **Z Allg Mikrobiol** 1981; 21(3):201-10 (Eng. Abstr.) **(Ger)**

[Distribution of proteoglycans in the sclera] Marchini M, et al. **Boll Soc Ital Biol Sper** 1980 Dec 30;56(24):2564-8 (Eng. Abstr.) **(Ita)**

BIOSYNTHESIS

The effect of insulin-like growth factor (IGF) and of human serum on steps in proteoglycan synthesis. Silbergeld A, et al. **Acta Endocrinol (Copenh)** 1981 Aug;97(4):503-7

Effect of extracellular glycosaminoglycans on the synthesis of collagen and proteoglycans by granulation tissue cells. A study with freshly isolated experimental granulation tissue cells of rat. Ivaska K. **Acta Physiol Scand [Suppl]** 1981;494:1-53

Synthesis of cartilage proteoglycans. Schwartz NB. **Ala J Med Sci** 1981 Jan;18(1):41-5

The role of epithelial collagen and proteoglycan in the initiation of osteogenesis by avian neural crest cells. Bradamante Z, et al. **Anat Rec** 1980 Jul;197(3):305-15

Proteoglycan aggregate synthesis in normal and chronically hydrocortisone-suppressed rabbit articular cartilage. Oegema TR Jr, et al. **Arch Biochem Biophys** 1981 Feb; 206(2):277-84

Antigen-induced and zymosan-induced arthritis in mice: studies on in vivo cartilage proteoglycan synthesis and chondrocyte death. van den Berg WB, et al. **Br J Exp Pathol** 1981 Jun;62(3):308-16

Abnormalities in the biosynthesis of cartilage and bone proteoglycans in experimental diabetes. Weiss RE, et al. **Diabetes** 1981 Aug;30(8):670-7

Selective activation of diaphyseal chondrocytes by parathyroid hormone, calcitonin and N6,O2-dibutyryl adenosine 3',5'-cyclic monophosphoric acid in proteoglycan synthesis of chick embryonic femur cultivated in vitro. Kawashima K, et al. **Endocrinol Jpn** 1980 Jun;27(3):357-61

Cartilage-derived factor (CDF) I. Stimulation of proteoglycan synthesis in rat and rabbit costal chondrocytes in culture. Kato Y, et al. **Exp Cell Res** 1980 Nov;130(1):73-81

Cartilage-derived factor (CDF). II. Somatomedin-like action on cultured chondrocytes. Kato Y, et al. **Exp Cell Res** 1981 Apr;132(2):339-47

The inhibition by retinoic acid of the biosynthesis of proteoglycans in corneal cell cultures. Dahl IM, et al. **Exp Eye Res** 1980 Oct;31(4):443-50

Biosynthesis of proteoglycans and hyaluronate in rabbit corneal fibroblast cultures. Variation with age of the cell line and effect of foetal calf serum. Dahl IM. **Exp Eye Res** 1981 Apr;32(4):419-33

Biosynthesis of proteoglycans and hyaluronate in human fibroblast cultures established from normal and pathological corneas. Dahl IM. **Exp Eye Res** 1981 Apr;32(4):435-43

Age-related changes in the incorporation of [35S]sulfate into two proteoglycan populations from human cartilage. Triphaus GF, et al. **Hoppe Seylers Z Physiol Chem** 1980 Dec;361(12):1773-9

Proteoglycan synthesis by rat lung cells cultured in vitro. Ehrlich KC. **J Biol Chem** 1981 Jan 10;256(1):73-80

Biosynthesis of chondroitin sulfate. Proteoglycans at the microsomal site of glycosaminoglycan formation. Faltynek CR, et al. **J Biol Chem** 1981 Jul 25;256(14):7203-6

Polydispersity of proteoglycans synthesized by chondrocytes from the Swarm rat chondrosarcoma. Fellini SA, et al. **J Biol Chem** 1981 Aug 10;256(15):7883-9

Changes in the sulfated proteoglycans synthesized by 'aging' chondrocytes. II. Organ-cultured vertebral columns. Fellini SA, et al. **J Biol Chem** 1981 Jan 25;256(2):1038-43

Identification of core protein, an intermediate in proteoglycan biosynthesis in cultured chondrocytes from the Swarm rat chondrosarcoma. Kimura JH, et al. **J Biol Chem** 1981 Aug 10;256(15):7890-7

The effect of cycloheximide on synthesis of proteoglycans by cultured chondrocytes from the Swarm rat chondrosarcoma. Kimura JH, et al. **J Biol Chem** 1981 May 10;256(9):4368-76

Polydispersity of rat mast cell heparin. Implications for proteoglycan assembly. Metcalfe DD, et al. **J Biol Chem** 1980 Dec 25;255(24):11753-8

Changes in the sulfated proteoglycans synthesized by 'aging' chondrocytes. I. Dispersed cultured chondrocytes and in vivo cartilages. Pacifici M, et al. **J Biol Chem** 1981 Jan 25;256(2):1029-37

Physical and immunochemical characterization of proteoglycans synthesized during chondrogenesis in the chick embryo. Royal PD, et al. **J Biol Chem** 1980 Oct 25;255(20):9870-8

Effects of insulin and multiplication-stimulating activity on proteoglycan biosynthesis in chondrocytes from the Swarm rat chondrosarcoma. Stevens RL, et al. **J Biol Chem** 1981 Feb 25;256(4):2045-52

BLOOD

The C1q inhibitor in serum is a chondroitin 4-sulfate proteoglycan. Silvestri L, et al. **J Biol Chem** 1981 Jul 25; 256(14):7383-7

DEFICIENCY

Absence of proteoglycan core protein in cartilage from the cmd/cmd (cartilage matrix deficiency) mouse. Kimata K, et al. **J Biol Chem** 1981 Jul 10;256(13):6961-8

Macular corneal dystrophy: failure to synthesize a mature keratan sulfate proteoglycan. Hassell JR, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3705-9

IMMUNOLOGY

Antigenic determinants of a plant proteoglycan, the Gladiolus style arabinogalactan-protein. Gleeson PA, et al. **Biochem J** 1980 Nov 1;191(2):437-47

Immunological methods in the study of chondroitin sulfate proteoglycans. Dorfman A, et al. **Curr Top Dev Biol** 1980; 14(Pt 2):169-98 (104 ref.)

Chondroitin 6-sulfate oligosaccharides as immunological determinants of chick proteoglycans. Jenkins RB, et al. **J Biol Chem** 1981 Aug 25;256(16):8279-82

Immunologic studies of bovine aortic and cartilage proteoglycans. Mangkornkanok-Mark M, et al. **J Histochem Cytochem** 1981 Apr;29(4):547-52

Clonal antibodies for core protein of chondroitin sulfate proteoglycan. Dorfman A, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):3971-3

Experimental arthritis produced by proteoglycan antigens in rabbits. Glant T, et al. **Scand J Rheumatol** 1980;9(4):271-9

[Experimental study of immunochemotherapy of brain tumors--experimental brain tumor model and immunochemotherapy by a combination of PS-K and ACNU (author's transl)] Kaneko S, et al. **Neurol Med Chir (Tokyo)** 1980 Oct;20(10):997-1005 (Eng. Abstr.) **(Jpn)**

[Immunological effects of protein-bound polysaccharide, PSK, in the patients with retinoblastoma--changes of T cell and B cell subpopulation of the lymphocytes (author's transl)] Kojima T, et al. **Nippon Ganka Gakkai Zasshi** 1981 May 10;85(5):403-9 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Proteoglycan analysis by high-performance liquid chromatography. Schwartz ER, et al. **Anal Biochem** 1981 Mar 15;112(1):170-5

Proteoglycans from normal and degenerate cartilage of the adult human tibial plateau. Santer V, et al. **Arthritis Rheum** 1981 May;24(5):691-700

Phosphate ester groups in proteoglycans from bovine nasal cartilage. Peters C, et al. **Biochim Biophys Acta** 1981 Mar 18;673(3):270-8

Characterization of a proteoglycan of high electrophoretic mobility. Stanescu V, et al. **Biochim Biophys Acta** 1981 Feb 18;673(1):101-13

Studies on extractable and resistant proteoglycans from metaphyseal and cortical bone and cartilage. Campo RD. **Calcif Tissue Int** 1981;33(2):89-99

Isolation and preliminary characterization of proteoglycans dissociatively extracted from human aorta. Salisbury BG, et al. **J Biol Chem** 1981 Aug 10;256(15):8050-7

Isolation and characterization of the proteoglycans and collagens synthesized by cells in culture. Hassell JR, et al. **Vision Res** 1981;21(1):49-53

[Purification of human cartilaginous proteoglycans and technical aspects of the radioimmunoassay] Gysen P, et al. **C R Soc Biol (Paris)** 1980;174(5):867-77 (Eng. Abstr.) **(Fre)**

METABOLISM

Factors modulating the interaction of LDL with an arterial lipoprotein complexing proteoglycan: the effect of HDL. Camejo G, et al. **Acta Med Scand [Suppl]** 1980;642:159-64

Biosynthesis, secretion, and aggregation of proteoglycans by rat chondrosarcoma chondrocytes. Hascall VC Jr, et al. **Ala J Med Sci** 1981 Jan;18(1):29-35

Identification of a basement membrane proteoglycan in exfoliation material. Harnisch JP, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 215(4):273-8

An improved assay for proteases and polysaccharidases employing a cartilage proteoglycan substrate entrapped in polyacrylamide particles. Nagase H, et al. **Anal Biochem** 1980 Sep 15;107(2):385-92

Maturation-related changes in proteoglycans of fetal articular cartilage. Thonar EJ, et al. **Arch Biochem Biophys** 1981 May;208(2):535-47

Proteoglycan synthesis and secretion by bovine aortic tissue in organ culture. Vijayagopal P, et al. **Artery** 1980; 6(6):458-70

Experimental intervertebral disc degeneration: morphologic and proteoglycan changes over time. Lipson SJ, et al. **Arthritis Rheum** 1981 Jan;24(1):12-21

Effects of some nonsteroidal antiinflammatory drugs on proteoglycan metabolism and organization in canine articular cartilage. Palmoski MJ, et al. **Arthritis Rheum** 1980 Sep;23(9):1010-20

Contribution to the mode of action of glycosaminoglycan-polysulphate (GAGPS) upon human osteoarthrotic cartilage. Biochemical study of the collagen and proteoglycan turnover. Adam M, et al. **Arzneimittelforsch** 1980;30(10):1730-2

Link protein and a hyaluronic acid-binding region as components of aorta proteoglycan. Gardell S, et al. **Biochem Biophys Res Commun** 1980 Aug 29;95(4):1823-31

The site of cartilage matrix degradation. Dingle JT, et al. **Biochem J** 1980 Aug 15;190(2):431-8

Incorporation of l-[3H]fucose and d-[3H]glucosamine into cell-surface-associated glycoconjugates in epidermis of cultured pig skin slices. King IA, et al. **Biochem J** 1980 Jul 15;190(1):65-77

The extraction of a neutral metalloproteinase from the involuting rat uterus, and its action on cartilage proteoglycan. Sellers A, et al. **Biochem J** 1980 Sep 1; 189(3):521-31

The influence of fluoride administration on the structure of proteoglycans in the developing rat incisor. Smalley JW, et al. **Biochem J** 1980 Aug 15;190(2):263-72

Effects of anti-inflammatory drugs on proteoglycan degradation as studied in rabbit articular cartilage in organ culture. Comper WD, et al. **Biochem Pharmacol** 1981 Mar 1;30(5):459-68

Biochemical changes in intervertebral disc degeneration. Lyons G, et al. **Biochim Biophys Acta** 1981 Apr 3; 673(4):443-53

Effect of dibutyryl cyclic AMP on the sulphation of proteoglycans by chondrocytes. Speight G, et al. **Biochim Biophys Acta** 1981 Jan 7;672(1):89–97

Changes in the distribution of type IV collagen, laminin, proteoglycan, and fibronectin during mouse tooth development. Thesleff I, et al. **Dev Biol** 1981 Jan 15; 81(1):182–92

Cell-surface heparan sulfate. Mechanisms of proteoglycan-cell association. Kjellén L, et al. **J Biol Chem** 1980 Nov 10;255(21):10407–13

Characterization of a hyaluronic acid-dermatan sulfate proteoglycan complex from dedifferentiated human chondrocyte cultures. Oegema TR Jr, et al. **J Biol Chem** 1981 Jan 25;256(2):1015–22

Interaction of serum lipoproteins and a proteoglycan from bovine aorta. Vijayagopal P, et al. **J Biol Chem** 1981 Aug 10;256(15):8234–41

Extracellular matrix formation by chondrocytes in monolayer culture. Dessau W, et al. **J Cell Biol** 1981 Jul;90(1):78–83

Divergent effects of long acting cyclic nucleotides and lysine vasopressin on the release of matrix sulfated proteoglycans into the medium of fetal rat chondrocytes in monolayer culture. Miller RP, et al. **J Cell Physiol** 1980 Sep; 104(3):391–401

Effects of cortisol on cell proliferation and proteoglycan synthesis and degradation in cartilage zones of the calf costochondral growth plate in vitro with and without rat plasma somatomedin activity. Hill DJ. **J Endocrinol** 1981 Mar;88(3):425–35

Ultrastructural cytochemistry and radioautography of complex carbohydrates in secretory granules of epiphyseal chondrocytes. Takagi M, et al. **Lab Invest** 1981 Feb; 44(2):116–26

Delayed formation of proteoglycan aggregate structures in human articular cartilage disease states. Oegema TR Jr. **Nature** 1980 Dec 11;288(5791):583–5

1980 Volvo award in basic science. Proteoglycans in experimental intervertebral disc degeneration. Lipson SJ, et al. **Spine** 1981 May-Jun;6(3):194–210

Proteoglycan clearance in rat femoral cartilage exposed to 6 aTa. Persliden B, et al. **Undersea Biomed Res** 1980 Sep; 7(3):241–5

[The effect of Arteparon and Rumalon on the metabolism of collagen and of proteoglycans of articular cartilage (author's transl)] Musilová J, et al. **Cas Lek Cesk** 1980 Sep 26;119(39):1051–4 (Eng. Abstr.) **(Cze)**

[Infrared spectra of cartilage proteoglycans] Bychkov SM, et al. **Biull Eksp Biol Med** 1980 Nov;90(11):561–3 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Influence of proteoglycans (PG) and glycosaminoglycans (GAG) on ADP-, collagen- and thrombin-induced platelet aggregation. Klein K, et al. **Artery** 1980;8(5):410–5

Effects of laminin, proteoglycan and type IV collagen, components of basement membranes, on platelet aggregation. Tryggvason K, et al. **Biochem Biophys Res Commun** 1981 May 15;100(1):233–9

Characterization of proteoglycans synthesized by rat chondrosarcoma chondrocytes treated with multiplication-stimulating activity and insulin. Stevens RL, et al. **J Biol Chem** 1981 Feb 25;256(4):2053–8

Combined effect of prostaglandins and an aortic proteoglycan on platelet aggregation and plasma clotting. Ts'ao C, et al. **Prostaglandins Med** 1979 Sep;3(3):159–66

Anticoagulant and antilipemic activities of a heparin proteoglycan from bovine intestinal mucosa. Seethanathan P, et al. **Thromb Res** 1980 Jul 1–15;19(1–2):95–102

PHYSIOLOGY

Factors mediating cell--cell recognition and adhesion. Galaptins, a recently discovered class of bridging molecules. Harrison FL, et al. **FEBS Lett** 1980 Dec 29; 122(2):157–65 (67 ref.)

Inhibition of tubulinyl-tyrosine carboxypeptidase by brain soluble RNA and proteoglycan. Argaraña CE, et al. **J Biol Chem** 1981 Jan 25;256(2):827–30

The influence of proteoglycans on the macromolecular structure of collagen. Kühn K, et al. **Suppl Thromb Haemostas** 1978;63:123–6

Platelet interaction with cartilage — the role of proteoglycans in vitro and in vivo. Zucker-Franklin D, et al. **Suppl Thromb Haemostas** 1978;63:321–36

RADIATION EFFECTS

Imaging unstained proteoglycan aggregates by soft x-ray contact microscopy. Panessa BJ, et al. **Ultramicroscopy** 1980;5(3):267–74

SECRETION

Cell association of complexes of chymase, heparin proteoglycan, and protein after degranulation by rat mast cells. Schwartz LB, et al. **J Immunol** 1981 Jun; 126(6):2071–8

THERAPEUTIC USE

A histological study on immune reaction of advanced uterine cervical carcinoma with regard to the effect of a low-dose irradiation and PS-K. Tsukahara Y, et al. **Acta Obstet Gynaecol Jpn** 1981 Feb;33(2):279–84

PROTEOLIPIDS

see related **LIPOPROTEINS**

Proteolipids. Schlesinger MJ. **Annu Rev Biochem** 1981; 50:193–206 (67 ref.)

Similar effect of proteolipid apoproteins from human myelin (lipophilin) and bovine white matter on the lipid phase transition. Boggs JM, et al. **Biochim Biophys Acta** 1980 Sep 2;601(1):134–51

Phosphorus nuclear magnetic resonance study of membrane structure. Interactions of lipids with protein, polypeptide, and cholesterol. Rajan S, et al. **J Biol Chem** 1981 Feb 10; 256(3):1160–6

Erythrosomes: large proteoliposomes derived from crosslinked human erythrocyte cytoskeletons and exogenous lipid. Cuppoletti J, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):2786–90

ANALYSIS

Raman spectroscopic study of the interactions of dimyristoyl- and 1-palmitoyl-2-oleoylphosphatidylcholine liposomes with myelin proteolipid apoprotein. Lavialle F, et al. **Biochemistry** 1980 Dec 23;19(26):6044–50

Nature of the cysteinyl residues in lipophilin from human myelin. Cockle SA, et al. **J Biol Chem** 1980 Oct 10; 255(19):9182–8

Immunocytochemical localization and identification of the major surfactant protein in adult rat lung. Williams MC, et al. **J Histochem Cytochem** 1981 Feb;29(2):291–305

ANTAGONISTS & INHIBITORS

Magnesium inhibition of apatite nucleation by proteolipid. Ennever J, et al. **J Dent Res** 1981 Apr;60(4):838–41

BIOSYNTHESIS

Synthesis of a dicyclohexylcarbodiimide-binding proteolipid by isolated pea chloroplasts. Doherty A, et al. **Eur J Biochem** 1980;108(1):131–6

IMMUNOLOGY

Proteolipid protein antiserum does not affect CNS myelin in rat spinal cord culture. Mithen F, et al. **Brain Res** 1980 Sep 22;197(2):477–83

ISOLATION & PURIFICATION

Isolation of phospholamban and a second proteolipid component from canine cardiac sarcoplasmic reticulum. Collins JH, et al. **Biochem Biophys Res Commun** 1981 Apr 15;99(3):796–803

Isolation and characterization of (Na,K)-ATPase proteolipid. Reeves AS, et al. **Biochem Biophys Res Commun** 1980 Aug 29;95(4):1591–8

Purification and characterization of the proteolipid of rabbit sarcoplasmic reticulum. Ohnoki S, et al. **Biochim Biophys Acta** 1980 Nov 20;626(1):170–8

Isolation and characterization of proteolipids from sarcoplasmic reticulum. Knowles A, et al. **J Membr Biol** 1980 Aug 7;55(3):233–9

Myelin lipophilin-induced demyelinating disease of the central nervous system. Hashim GA, et al. **Neurochem Res** 1980 Oct;5(10):1137–45

METABOLISM

Phosphatidylcholine accessibility in single bilayer vesicles prepared from rat liver microsomal lipids containing proteolipids. de Oliveira Filgueiras OM, et al. **Biochem Biophys Res Commun** 1981 May 29;100(2):800–6

Hexane-solubilised reaction centre proteolipid complexes of Rhodopseudomonas sphaeroides. Kendall-Tobias MW, et al. **Biochim Biophys Acta** 1981 May 13;635(3):585–601

Structural analysis of the isolated chloroplast coupling factor and the N,N'-dicyclohexylcarbodiimide binding proteolipid. Mullet JE, et al. **Biochim Biophys Acta** 1981 Mar 20;642(1):149–57

Binding of the chloroplast coupling factor CF to lipid vesicles. Dijkmans H, et al. **Can J Biochem** 1981 Jan; 59(1):16–21

The proteolipid subunit of the chloroplast adenosine triphosphatase complex. Reconstitution and demonstration of proton-conductive properties. Sigrist-Nelson K, et al. **J Biol Chem** 1980 Nov 25;255(22):10638–43

Transmembrane orientation of lipophilin in phosphatidylcholine vesicles. Wood DD, et al. **Neurochem Res** 1980 Jul;5(7):745–55

PHYSIOLOGY

Comparison of calcification between Bacterionema matruchotii and Actinomyces naeslundii. Howell RE, et al. **J Dent Res** 1980 Nov;59(11):1999–2005

PROTEOLYTIC ENZYMES see **PEPTIDE HYDROLASES**

PROTESTANTISM see **CHRISTIANITY**

PROTEUS

CLASSIFICATION

Proticine typing of serologically defined Proteus strains. Csiszár K, et al. **Acta Microbiol Acad Sci Hung** 1981; 28(1):111–8

Unusual groups of Morganella ('Proteus') morganii isolated from clinical specimens: lysine-positive and ornithine-negative biogroups. Hickman FW, et al. **J Clin Microbiol** 1980 Jul;12(1):88–94

[Serotyping of bacteria of the genus Providencia using the indirect hemagglutination test and the indirect hemagglutination inhibition test] Levina LA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 May;(5):100–3 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Differences among Providencia species in their in vitro susceptibilities to five antibiotics. Penner JL, et al. **Antimicrob Agents Chemother** 1980 Dec;18(6):868–71

Reappraisal of the significance of multiply resistant urinary isolates of Proteus rettgeri. Toni M, et al. **J Antimicrob Chemother** 1980 Jul;6(4):527–34

Antibiotic resistance in Providencia stuartii isolated in hospitals. McHale PJ, et al. **J Clin Microbiol** 1981 Jun; 13(6):1099–104

[Epidemiological studies of increasing appearances of Proteus inconstans (Providencia stuartii) infections (author's transl)] Kopf PO, et al. **Immun Infekt** 1980;8(3):96–100 (Eng. Abstr.) **(Ger)**

[The antibacterial efficacy of cefaclor against bacteria resistant to ampicillin, tetracycline and co-trimoxazole (author's transl)] Machka K. **Infection** 1979;7(6):536–9 (Eng. Abstr.) **(Ger)**

[The role of amikacin in conditions requiring chemotherapy with aminoglycoside antibiotics] Mazzei T, et al. **G Ital Chemioter** 1979 Jan-Dec;26(1–2):397–406 **(Ita)**

[A survey of Italian hospitals on the frequency of the resistance of bacterial strains (author's transl)] Scardellato U, et al. **Quad Sclavo Diagn** 1979 Jun;15 Suppl 1:386–94 (Eng. Abstr.) **(Ita)**

ENZYMOLOGY

Purification and biochemical properties of beta-lactamase produced by Proteus rettgeri. Matsuura M, et al. **Antimicrob Agents Chemother** 1980 Nov;18(5):687–90

The effect of acetohydroxamic acid on the induction of bacterial ureases. Rosenstein I, et al. **Invest Urol** 1980 Sep; 18(2):112–4

Transferable urease activity in Providencia stuartii. Grant RB, et al. **J Clin Microbiol** 1981 Mar;13(3):561–5

Purification and some properties of beta-lactamases from Proteus rettgeri and Proteus inconstans. Ohya S, et al. **Microbiol Immunol** 1980;24(9):815–24

Cloning and expression of the Pst I restriction-modification system in Escherichia coli. Walder RY, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1503–7

[Method of determining bacterial tryptophandesaminase (L-amino acid oxidase)] Sivolodskii EP. **Lab Delo** 1981; (3):180–1 (Eng. Abstr.) **(Rus)**

GENETICS

Genetic recombination between Proteus mirabilis and Providencia alcalifaciens. Coetzee JN, et al. **J Gen Microbiol** 1980 Sep;120(1):57–66

IMMUNOLOGY

[Immunologic mechanisms of specific hyposensitization in allergic diseases of an infectious nature. III. Immunologic processes in hyposensitization with microbial allergens] Berezhnaia NM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Dec;(12):78–83 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Observations on microbial contamination in the SMA 12/60 [letter] Lipton SD, et al. **Clin Chem** 1979 Mar;25(3):489–90

A rapid and simple method for distinguishing colonies of proteus from those of Salmonella and Shigella. Senior BW. **J Med Microbiol** 1981 Feb;14(1):151–2

METABOLISM

Spurious hydrogen sulfide production by Providencia and Escherichia coli species. Treleaven BE, et al. **J Clin Microbiol** 1980 Jun;11(6):750–2

PATHOGENICITY

The ureases of Proteus strains in relation to virulence for the urinary tract. Senior BW, et al. **J Med Microbiol** 1980 Nov;13(4):507–12

ULTRASTRUCTURE

Hemagglutinins and fimbriae of Providencia spp. Old DC, et al. **J Bacteriol** 1981 Apr;146(1):404–8

Mobilization of the Proteus morganii chromosome by R plasmids. Beck Y, et al. **J Gen Microbiol** 1980 Jun; 118(2):539–42

PROTEUS INFECTIONS

Placental abscess as a cause of fever of unknown origin. Levy DL. **Am J Obstet Gynecol** 1981 Jun 1;140(3):338–9

COMPLICATIONS

Proteus mirabilis meningitis and cerebral abscess in the newborn period. Smith ML, et al. **Arch Dis Child** 1980 Apr;55(4):308–10

Prevention of infected urinary stones in rats by urease inhibitor: a new hydroxamic acid derivative. Takeuchi H, et al. **Invest Urol** 1980 Sep;18(2):102–5

[Self-amputation of the gallbladder in acute cholecystitis caused by mixed (aerobic and anaerobic) flora] Deredzhian A, et al. **Khirurgiia (Sofiia)** 1981;34(2):198–200 **(Bul)**

DIAGNOSIS

[Perinatal infections by rare microbes. 1. Proteus] Handrick W, et al. **Paediatr Grenzgeb** 1980;19(5):293–8 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Comparative activities of cefotiam and cefazolin against urinary tract infections with Proteus mirabilis in mice. Iwahi T, et al. **Antimicrob Agents Chemother** 1980 Aug; 18(2):257–63

Hydroxyurea in the management of chronic urea-splitting urinary infections. Carmignani G, et al. **Br J Urol** 1980 Aug;52(4):316–20

Lethal effect of polymyxin B sulfate in experimental Proteus rettgeri infection in mice. Bannatyne RM, et al. **Can J Microbiol** 1980 Feb;26(2):254–6

[Effect of rifampicin in combination with acridines on the course of experimental bacterial infections] Lukach IG, et al. **Mikrobiol Zh** 1980 Nov–Dec;42(6):727–31 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[Subcutaneous abscess following long time continuous epidural anaesthesia (author's transl)] Knitza R. **Anaesthesist** 1981 Apr;30(4):198–9 (Eng. Abstr.) **(Ger)**

[Chronic iatrogenic arthritis of the temporomandibular joint] Stoelinga PJ, et al. **Fortschr Kiefer Gesichtschir** 1980; 25:104–6 **(Ger)**

[Refractory Proteus meningitis in a child with a subdural epidermoid cyst] Weizman Z, et al. **Harefuah** 1980 Mar 16;98(6):254–6 (Eng. Abstr.) **(Heb)**

IMMUNOLOGY

O antigens of Proteus mirabilis and Proteus vulgaris strains isolated from patients with bacteremia. Larsson P. **J Clin Microbiol** 1980 Oct;12(4):490–2

MICROBIOLOGY

Antibiotic resistance in Providencia stuartii isolated in hospitals. McHale PJ, et al. **J Clin Microbiol** 1981 Jun; 13(6):1099–104

[Epidemiological studies of increasing appearances of Proteus inconstans (Providencia stuartii) infections (author's transl)] Kopf PO, et al. **Immun Infekt** 1980;8(3):96–100 (Eng. Abstr.) **(Ger)**

[Use of the edema test of the extremities in white mice for studying purulent Proteus infection] Aksenova EV. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Nov;(11):93–7 (Eng. Abstr.) **(Rus)**

OCCURRENCE

An outbreak of Providencia stuartii urinary tract infections. Patients with condom catheters are a reservoir of the bacteria. Fierer J, et al. **JAMA** 1981 Apr 17;245(15):1553–5

PREVENTION & CONTROL

[Protective properties of antigenic complexes of Proteus] Kreinin LS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jan;(1):60–4 (Eng. Abstr.) **(Rus)**

SURGERY

The role of arthroscopy in the treatment of septic arthritis. Jarrett MP, et al. **Arthritis Rheum** 1981 May;24(5):737–9

THERAPY

[Treatment of septic states in surgery] Dubitskiĭ AE, et al. **Klin Khir** 1981 Jan;(1):53 **(Rus)**

TRANSMISSION

Three episodes of nosocomial urinary tract infections caused by one O-serotype of Providencia stuartii. Penner JL, et al. **J Urol** 1981 May;125(5):668–71

VETERINARY

Experimental induction of Proteus mirabilis cystitis in the pony and evaluation of therapy with trimethoprim-sulfadiazine. Divers TJ, et al. **Am J Vet Res** 1981 Jul;42(7):1203–5

PROTEUS MIRABILIS

Electron microscopic aspects concerning the adsorption of Proteus mirabilis phage '22' on Proteus mirabilis is bacterial strain. Petrovici A, et al. **Arch Roum Pathol Exp Microbiol** 1980 Apr–Jun; 39(2):179–84

ANALYSIS

Characterization of a new murein-associated lipoprotein in the outer membrane of Proteus mirabilis. Gmeiner J. **Arch Microbiol** 1981 Jan;128(3):299–302

Structure of the peptidoglycan-associated lipoprotein (PAL) of the Proteus mirabilis outer membrane. I. Isolation and characterization of fatty acid-containing peptides from PAL. Mizuno T. **J Biochem (Tokyo)** 1981 Apr;89(4):1051–8

Structure of the peptidoglycan-associated lipoprotein (PAL) of the Proteus mirabilis outer membrane. II. Sequence of the amino-terminal part of the peptidoglycan-associated lipoprotein. Mizuno T. **J Biochem (Tokyo)** 1981 Apr; 89(4):1059–66

A novel peptidoglycan-associated lipoprotein (PAL) found in the outer membrane of Proteus mirabilis and other Gram-negative bacteria. Mizuno T. **J Biochem (Tokyo)** 1981 Apr;89(4):1039–49

Phosphate localization in carbohydrates – a study on enterobacterial lipopolysaccharides. Feige U, et al. **Zentralbl Bakteriol [A]** 1981 Aug;249(3):382–91

CLASSIFICATION

Typing of Proteus mirabilis by bacteriocin production and sensitivity as a possible epidemiological marker. Kusek JW, et al. **J Clin Microbiol** 1980 Jul;12(1):112–20

Separate O-grouping schemes for serotyping clinical isolates of Proteus vulgaris and Proteus mirabilis. Penner JL, et al. **J Clin Microbiol** 1980 Sep;12(3):304–9

DRUG EFFECTS

Single-disk diffusion testing (Kirby-Bauer) of susceptibility of Proteus mirabilis to chloramphenicol: significance of the intermediate category. Furtado GL, et al. **J Clin Microbiol** 1980 Oct;12(4):550–3

Cooperation of benzylpenicillin and cefoxitin in bacterial growth inhibition. Martin HH, et al. **Philos Trans R Soc Lond [Biol]** 1980 May 16; 289(1036):365–7

GENETICS

Naturally occurring plasmids exhibiting incompatibility with members of incompatibility groups I and P. Grant AJ, et al. **J Bacteriol** 1980 Nov;144(2):758–65

Expression of the lactose transposon Tn951 in Escherichia coli, Proteus and Pseudomonas. Baumberg S, et al. **J Gen Microbiol** 1980 Jul;119(1):257–62

Genetic recombination between Proteus mirabilis and Providencia alcalifaciens. Coetzee JN, et al. **J Gen Microbiol** 1980 Sep;120(1):57–66

GROWTH & DEVELOPMENT

Immunofluorescent evidence of Proteus mirabilis swarm cell formation on sterilized rat feces. Stahl ML, et al. **Appl Environ Microbiol** 1981 Mar;41(3):801–6

Effects of moisture content on long-term survival and regrowth of bacteria in wastewater sludge. Yeager JG, et al. **Appl Environ Microbiol** 1981 May;41(5):1117–22

IMMUNOLOGY

Comparison of quantitative and qualitative antibody-producing cell responses to lipopolysaccharide in cell walls of the bacterial form and in membranes of the protoplast L-form of Proteus mirabilis. Karch H, et al. **Infect Immun** 1980 Nov;30(2):349–52

Antibody-producing cell responses to an isolated outer membrane protein and to complexes of this antigen with lipopolysaccharide or with vesicles of phospholipids from Proteus mirabilis. Karch H, et al. **Infect Immun** 1981 Mar; 31(3):862–7

O antigens of Proteus mirabilis and Proteus vulgaris strains isolated from patients with bacteremia. Larsson P. **J Clin Microbiol** 1980 Oct;12(4):490–2

[Protective effect of coli-proteus vaccine in an experimental animal model] Bělohlávek S, et al. **Cesk Farm** 1980 May; 29(3–4):95–9 (Eng. Abstr.) **(Cze)**

[Immunological studies on pyelonephritis -- in vitro phagocytosis of Proteus mirabilis by rat peritoneal macrophages (author's transl)] Hirano M. **Nippon Hinyokika Gakkai Zasshi** 1980 Dec;71(12):1500–14 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Murein biosynthesis and O-acetylation of N-acetylmuramic acid during the cell-division cycle of Proteus mirabilis. Gmeiner J, et al. **Eur J Biochem** 1981 Jun;117(1):171–7

[Researches on some biochemical and serological properties and on the sensitivity to antibiotics of L-forms of 'Proteus' (author's transl)] Barbuti S, et al. **Ann Sclavo** 1979 Jul–Aug; 21(4):456–67 (Eng. Abstr.) **(Ita)**

ULTRASTRUCTURE

Membranes of the protoplast L-form of Proteus mirabilis. Kroll HP, et al. **Arch Microbiol** 1980 Oct;127(3):223–9

PROTEUS VULGARIS

ANALYSIS

The sequence of the ribosomal 16S RNA from Proteus vulgaris. Sequence comparison with E. coli 16S RNA and its use in secondary model building. Carbon P, et al. **Nucleic Acids Res** 1981 May 25;9(10):2325–33

CLASSIFICATION

Separate O-grouping schemes for serotyping clinical isolates of Proteus vulgaris and Proteus mirabilis. Penner JL, et al. **J Clin Microbiol** 1980 Sep;12(3):304–9

ENZYMOLOGY

Purification and some properties of a cephalosporinase from Proteus vulgaris. Matsubara N, et al. **Antimicrob Agents Chemother** 1981 Jan;19(1):185–7

Regulation of hydrogenase activity in enterobacteria. Krasna AI. **J Bacteriol** 1980 Dec;144(3):1094–7

IMMUNOLOGY

O antigens of Proteus mirabilis and Proteus vulgaris strains isolated from patients with bacteremia. Larsson P. **J Clin Microbiol** 1980 Oct;12(4):490–2

METABOLISM

Sulfur isotope fractionation by Proteus vulgaris and Salmonella heidelberg during the reduction of thiosulfate. McCready RG, et al. **Can J Microbiol** 1980 Oct; 26(10):1173–7

PATHOGENICITY

The ureases of Proteus strains in relation to virulence for the urinary tract. Senior BW, et al. **J Med Microbiol** 1980 Nov;13(4):507–12

PHYSIOLOGY

[Interaction between Bifidobacterium bifidum, Proteus vulgaris, and Klebsiella pneumoniae 204 in the gastrointestinal tract of gnotobiotic chicks] Timoshko MA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Mar; (3):58–61 (Eng. Abstr.) **(Rus)**

PROTHIONAMIDE see under **ISONICOTINIC ACIDS**

PROTHROMBIN

Approaches to the study of prothrombin conformation and activation in biological fluids. Furie BC, et al. **Ann NY Acad Sci** 1981;370:389–97 (35 ref.)

Interaction of prothrombin and its fragments with monolayers containing phosphatidylserine. 2. Electrochemical determination of lipid layer perturbation by interacting prothrombin and its fragments. Lecompte MF, et al. **Biochemistry** 1980 Jul 22;19(15):3439–46

Interaction of prothrombin and its fragments with monolayers containing phosphatidylserine. 1. Binding of prothrombin and its fragment I to phosphatidylserine-containing monolayers. Lecompte MF, et al. **Biochemistry** 1980 Jul 22;19(15):3434–9

Calcium and prothrombin-induced lateral phase separation in membranes. Mayer LD, et al. **Biochemistry** 1981 Apr 28;20(9):2457–63

Metal ion interactions with bovine prothrombin and prothrombin fragment 1. Stoichiometry of binding, protein self-association, and conformational change induced by a variety of metal ions. Nelsestuen GL, et al. **Biochemistry** 1981 Jan 20;20(2):351–8

Calorimetric evaluation of the existence of separate domains in bovine prothrombin. Ploplis VA, et al. **Biochemistry** 1981 Jan 6;20(1):15–21

Tryptophan exposure in various conformational isomers of bovine prothrombin fragment 1. An acrylamide quenching study. Marsh HC, et al. **Biochim Biophys Acta** 1981 Jan 30;667(1):35–43

In vitro prothrombin synthesis from a purified precursor protein. III. Preparation of an acid-soluble substrate for vitamin K-dependent carboxylase by limited proteolysis of bovine descarboxyprothrombin. Soute BA, et al. **Biochim Biophys Acta** 1981 Aug 5;676(1):101–7

Crystallization and preliminary X-ray data of proteins derived from prothrombin. Kung WH, et al. **J Biol Chem** 1980 Nov 10;255(21):10523–5

Europium(III) binding to bovine prothrombin residues 1–39 and to bovine prothrombin fragment 1. Marsh HC, et al. **J Biol Chem** 1981 Aug 10;256(15):7863–70

Human prothrombin fragments F1 (alpha beta) and F2: preparation and characterization of structural and biological properties. Aronson DL, et al. **Thromb Res** 1980 Oct 15;20(2):239–53

Effect of a humoral factor on plasma prothrombin and vitamin K-dependent liver carboxylase levels in the rat. Shah DV, et al. **Thromb Res** 1980 Jul 1–15;19(1–2):111–8

ADVERSE EFFECTS

Hazards of prothrombin-complex concentrates in treatment of hemophilia [letter] Abildgaard CF. **N Engl J Med** 1981 Mar 12;304(11):670–1

Inhibitor to factor IX following activated prothrombin-complex concentrate treatment [letter] Panicucci F, et al. **Thromb Haemost** 1981 Feb 23;45(1):96

ANALOGS & DERIVATIVES

In vitro prothrombin synthesis from a purified precursor protein. III. Preparation of an acid-soluble substrate for vitamin K-dependent carboxylase by limited proteolysis of bovine descarboxyprothrombin. Soute BA, et al. **Biochim Biophys Acta** 1981 Aug 5;676(1):101–7

[Sensitivity of several commercial thromboplastins to non-carboxylated clotting factors II and X (author's transl)] Averdunk R, et al. **J Clin Chem Clin Biochem** 1981 Feb; 19(2):89–97 (Eng. Abstr.) **(Ger)**

ANALYSIS

Delirium tremens: some clinico-chemical features. A study of alanine-aminotransferase, alcaline phosphatase, prothrombine and enolase. Hemmingsen R, et al. **Acta Psychiatr Scand** 1980 Nov;62(5):503–10

Radioimmunoassays for human prothrombin fragments: development and implementation. Walz DA, et al. **Ann NY Acad Sci** 1981;370:398–413

An immunological study of prothrombin in liver cirrhosis. Girolami A, et al. **Blut** 1980 Jul;41(1):61–6

Factor II (prothrombin) levels in cord blood: correlation of coagulant activity with immunoreactive protein. Corrigan JJ Jr, et al. **J Pediatr** 1980 Dec;97(6):979–83

Factor II (prothrombin) coagulant activity in immunoreactive protein: detection of vitamin K deficiency and liver disease in patients with cystic fibrosis. Corrigan JJ Jr, et al. **J Pediatr** 1981 Aug;99(2):254–7

[Clinical evaluation of prothrombin assay using chromogenic peptide substrates (author's transl)] Akiyama Y, et al. **Rinsho Byori** 1980 Nov;28(11):1131–5 **(Jpn)**

BIOSYNTHESIS

Dicoumarol-induced prothrombins. Malhotra OP. **Ann NY Acad Sci** 1981;370:426–37

Inhibition by warfarin enantiomers of prothrombin synthesis, protein carboxylation, and the regeneration of vitamin K from vitamin K epoxide. Bell RG, et al. **Biochem Pharmacol** 1981 Jul 15;30(14):1953–8

Acquired vitamin K-dependent carboxylation deficiency in liver disease. Blanchard RA, et al. **N Engl J Med** 1981 Jul 30;305(5):242–8

Production of prothrombin fragment 1–44 with acutin and some effects on thrombin generation. Teng CM, et al. **Thromb Res** 1980 Oct 15;20(2):271–9

[Components of the prothrombin molecule during development of avitaminosis K] Sharaev PN. **Biull Eksp Biol Med** 1981 Mar;91(3):329–30 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Bovine prothrombin fragment 1, segment 1–10. Synthesis and immunological investigation. Ten Kortenaar PB, et al. **Int J Pept Protein Res** 1980 Nov;16(5):440–9

Synthesis of peptide analogues of prothrombin precursor sequence 5–9. Substrate specificity of vitamin K dependent carboxylase. Rich DH, et al. **J Med Chem** 1981 Jun; 24(6):706–11

GENETICS

The congenital variants of the prothrombin complex factors. Girolami A. **Acta Haematol (Basel)** 1980;63(6):339–41

Characterization of a variant of human prothrombin: prothrombin Madrid. Guillin MC, et al. **Ann NY Acad Sci** 1981;370:414–25

Cloning and analysis of a cDNA coding for bovine prothrombin. MacGillivray RT, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5153–7

HISTORY

The hemostasis paradigm in 1934 and in 1980. Jaques LB. **Ann NY Acad Sci** 1981;370:1–4

IMMUNOLOGY

Factor II antigen in liver disease and warfarin-induced vitamin K deficiency: correlation with coagulant activity using Echis venom. Corrigan JJ Jr, et al. **Am J Hematol** 1980;8(3):249–55

Immunological characterization of rat liver prothrombin precursors. Carlisle TL, et al. **Thromb Res** 1980 May 1–15; 18(3–4):405–16

ISOLATION & PURIFICATION

The synthesis of sulfated dextran beads for isolation of human plasma coagulation factors II, IX, and X. Miletich JP, et al. **Anal Biochem** 1980 Jul 1;105(2):304–10

Preparation of bovine prethrombin 2: use of Acutin and activation with prothrombinase or Ecarin. Seegers WH, et al. **Thromb Res** 1980 Jul 1–15;19(1–2):11–20

METABOLISM

Calcium ion-protein interactions in prothrombin activation. Brenckle GM, et al. **Ann NY Acad Sci** 1981;370:366–77 (43 ref.)

Degradation of normal and dicoumarol-induced prothrombins with thrombin. Malhotra OP. **Ann NY Acad Sci** 1981;370:438–52

Antithrombin III versus prothrombin in liver cirrhosis. Aurousseau MH, et al. **Haemostasis** 1981;10(2):104–7

The interaction of bovine prothrombin fragment 1 with metal ions. An immunological approach to kinetic and equilibrium studies. Madar DA, et al. **J Biol Chem** 1980 Sep 25;255(18):8599–605

Chemically modified bovine prothrombin as a substrate in studies of activation kinetics and fluorescence changes during thrombin formation. Silverberg SA. **J Biol Chem** 1980 Sep 25;255(18):8550–9

Relationship between platelet secretion and prothrombin cleavage in native whole blood. Rybak ME, et al. **J Clin Invest** 1981 Aug;68(2):405–12

Prothrombin activation by a metalloprotease from Staphylococcus aureus. Wegrzynowicz Z, et al. **J Clin Microbiol** 1980 Aug;12(2):138–9

Effects of four bisphenolic antioxidants on prothrombin levels of rat plasma. Takahashi O, et al. **Toxicol Lett** 1981 Mar; 7(6):405–8

INfluence of Pseudomonas aeruginosa proteases on prothrombin, plasminogen and fibrinogen. Pulverer G, et al. **Zentralbl Bakteriol [A]** 1980;248(1):99–109

PHARMACODYNAMICS

Calcium ion-protein interactions in prothrombin activation. Brenckle GM, et al. **Ann NY Acad Sci** 1981;370:366–77 (43 ref.)

Nonenzymic control of prothrombin activation. Miller KD. **Ann NY Acad Sci** 1981;370:336–47

Three aspects of prothrombin activation related to protein M, ecarin, acutin, meizothrombin 1 and prethrombin 2. Seegers WH, et al. **Ann NY Acad Sci** 1981;370:453–67

The thrombogenicity of prothrombin complex concentrates: III. The relationship of in vivo thrombogenicity to the nature of the starting plasma. Giles AR, et al. **Thromb Res** 1981 Feb 1;21(3):255–63

[Sensitivity of several commercial thromboplastins to non-carboxylated clotting factors II and X (author's transl)] Averdunk R, et al. **J Clin Chem Clin Biochem** 1981 Feb; 19(2):89–97 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Mathematical model of the activation of prothrombin by factor Xa and factory Vt. Liniger W, et al. **Bull Math Biol** 1980;42(6):861–70

[Physiological activation of prothrombin] Durán Suárez JR, et al. **Med Clin (Barc)** 1980 Sep 25;75(5):215–9 **(Spa)**

THERAPEUTIC USE

Anti-inhibitor Coagulant Complex (Autoplex) for treatment of factor VIII inhibitors in hemophilia. Abildgaard CF, et al. **Blood** 1980 Dec;56(6):978–84

A survey of the effectiveness of prothrombin complex concentrates in controlling hemorrhage in patients with hemophilia and anti-Factor VIII antibodies. Blatt PM, et al. **Thromb Haemost** 1980 Aug 29;44(1):39–42

Increased fibrinopeptide A after prothrombin complex concentrates. Viganó S, et al. **Thromb Haemost** 1980 Oct 31;44(2):72–5

[Importance of PPSB fraction in the treatment of hemophilia A with antibodies against factor VIII] Hrubišková K. **Folia Haematol (Leipz)** 1980;107(4):672–82 (Eng. Abstr.) **(Ger)**

PROTHROMBIN TIME

Misinterpretation of prothrombin time in warfarin anticoagulation [letter] Palmer RN, et al. **Ann Intern Med** 1981 Sep;95(3):393–4

Lack of effect of fortified wine ingested during fasting and anticoagulant therapy. O'Reilly RA. **Arch Intern Med** 1981 Mar;141(4):458–9

Evaluation of automatic and semiautomatic coagulation assay instruments. Drewinko B, et al. **Clin Lab Haematol** 1980; 2(3):215–26

Antithrombin III contribution to cholestasis differential diagnosis: its correlation with one stage prothrombin time and factor V. Monasterio J, et al. **Clin Lab Haematol** 1980; 2(3):185–90

Renal ultrastructure in cortical necrosis following Russell's viper envenomation. Date A, et al. **J Trop Med Hyg** 1981 Feb;84(1):3–8

Predictability of the warfarin maintenance dosage based on the initial response. McGhee JR, et al. **JAOA** 1981 Jan; 80(5):335–9

Synthetic heparin analogue and prothrombin time [letter] Kakkar VV, et al. **Lancet** 1981 May 23;1(8230):1167

Prolongation of prothrombin time with cimetidine [letter] Devanesen S. **Med J Aust** 1981 May 16;1(10):537

Comparison of thromboplastins used for oral anticoagulant control. Exner T, et al. **Pathology** 1980 Oct;12(4):559–66

Prothrombin times: an evaluation of four thromboplastins and four machines. Starr H, et al. **Pathology** 1980 Oct; 12(4):567–74

National quality control screenings of coagulation analysis in Norway. Brynildsrud EC, et al. **Scand J Haematol** 1980; 25(Suppl 37):158–9

Thromboplastin reference preparations. Denson KW. **Scand J Haematol** 1980;25(Suppl 37):9–20

Critical appraisal, clinical usefulness, and implementation of the thromboplastin concept of prothrombin-time standardization. Loeliger EA, et al. **Scand J Haematol** 1980; 25(Suppl 37):34–48 (50 ref.)

The use of reference plasmas in the control of oral anticoagulant therapy. Miale JB. **Scand J Haematol** 1980; 25(Suppl 37):21–33

Quality control of prothrombin time determinations in the Netherlands. van Dijk-Wierda CA, et al. **Scand J Haematol** 1980;25(Suppl 37):153–5

[Determination of the prothrombin time and of the activated cephalin time wit semi-automatic Electra 600 apparatus (author's transl)] Cazalet C, et al. **Ann Biol Clin (Paris)** 1981;39(2):85–8 (Eng. Abstr.) **(Fre)**

[Study of present possibilities of interlaboratory standardisation of the prothrombin time (author's transl)] Revenant MC, et al. **Ann Biol Clin (Paris)** 1980;38(3):161–7 (Eng. Abstr.) **(Fre)**

[Sensitivity of several commercial thromboplastins to non-carboxylated clotting factors II and X (author's transl)] Averdunk R, et al. **J Clin Chem Clin Biochem** 1981 Feb; 19(2):89–97 (Eng. Abstr.) **(Ger)**

METHODS

Tentative protocol for the evaluation of coagulometers, based on one-stage prothrombin time. Shinton NK, et al. **Clin Lab Haematol** 1981;3(1):71–6

VETERINARY

Transport of plasma for prothrombin time testing in monitoring warfarin therapy in the horse. Wagner AE. **J Am Vet Med Assoc** 1981 Feb 1;178(3):306

PROTOCATECHUATE-3,4-DIOXYGENASE see under **OXYGENASES**

PROTOCHLOROPHYLLIDE see under **CHLOROPHYLL**

PROTOCOLLAGEN see **PROCOLLAGEN**

PROTOCOLLAGEN PROLYL HYDROXYLASE see **PROLINE HYDROXYLASE**

PROTOHEME see **HEME**

PROTONS

paH gradients in isoelectric focusing experiments at subzero temperatures. Perrella M, et al. **Anal Biochem** 1980 Jun; 105(1):126–32

Quantum chemical studies of proton transport through biomembranes. Scheiner S. **Ann NY Acad Sci** 1981; 367:493–509

Proton movements across the membranes of sarcoplasmic reticulum during the uptake of calcium ions. Madeira VM. **Arch Biochem Biophys** 1980 Apr 1;200(2):319–25

A periplasmic location for methanol dehydrogenase from Paracoccus denitrificans: implications for proton pumping by cytochrome aa3. Alefounder PR, et al. **Biochem Biophys Res Commun** 1981 Feb 12;98(3):778–84

2H2O effect on the electron and proton flow in isolated chloroplasts. An indication for lateral heterogeneity of membrane pH. de Kouchkovsky Y, et al. **Biochem Biophys Res Commun** 1981 Mar 16;99(1):205–12

Bound cytochrome C as proton donor and acceptor during enzymic oxidoreduction. Green DE, et al. **Biochem Biophys Res Commun** 1981 Feb 12;98(3):635–41

Protonic and cationic changes during cyclical cation transport driven by electron transfer. Green DE, et al. **Biochem Biophys Res Commun** 1981 Mar 16;99(1):127–33

Proton translocation in hydrogen bonds with large proton polarizability formed between a Schiff base and phenols. Rastogi PP, et al. **Biochem Biophys Res Commun** 1981 Apr 15;99(3):804–12

Inhibition of adenosine triphosphatase, 5-hydroxytryptamine transport and proton-translocation activities of resealed chromaffin-granule 'ghosts'. Apps DK, et al. **Biochem J** 1980 Aug 15;190(2):273–82

Hydrogen--deuterium exchange kinetics of the amide protons of oxytocin studied by nuclear magnetic resonance. Krauss EM, et al. **Biochemistry** 1981 Feb 17;20(4):671–9

Transport of protons and hydrochloric acid through lipid bilayer membranes. Gutknecht J, et al. **Biochim Biophys Acta** 1981 Feb 20;641(1):183–8

Proton involvement with the light-induced hindrance of spin label motion in the lumen of spinach thylakoids. Nesbitt DM, et al. **Biochim Biophys Acta** 1980 Dec 3;593(2):353–61

Factors governing substrate-induced generation and extrusion of protons in the yeast Saccharomyces cerevisiae. Sigler K, et al. **Biochim Biophys Acta** 1981 May 20; 643(3):572–82

Processes involved in the creation of buffering capacity and in substrate-induced proton extrusion in the yeast Saccharomyces cerevisiae. Sigler K, et al. **Biochim Biophys Acta** 1981 May 20;643(3):583–92

Proton T1 study of coverage parameter changes in tissues

from tumor-bearing mice. Peemoeller H, et al. **Biophys J** 1979 Jan;25(1):203–8

Intrinsic electric fields and proton diffusion in immobilized protein membranes. Effects of electrolytes and buffers. Zabusky NJ, et al. **Biophys J** 1979 Jan;25(1):1–15

Interrelationships among platelet responses: studies on the burst in proton liberation, lactate production, and oxygen uptake during platelet aggregation and Ca2+ secretion. Akkerman JW, et al. **Blood** 1981 May;57(5):956–66

Effects of dose fractionation after irradiation with neutrons produced by 600 MeV protons. Bianchi M, et al. **Br J Radiol** 1981 Jun;54(642):532–4

Induction of micronuclei by irradiation with neutrons produced from 600 MeV protons. Diehl-Marshall I, et al. **Br J Radiol** 1981 Jun;54(642):530–2

Temperature relationships of proton spin-lattice relaxation time T1 in biological tissues. Lewa CJ, et al. **Bull Cancer (Paris)** 1980;67(5):525–30

The residual protonmotive force in mitochondria after an oxygen pulse. Heinz E, et al. **Eur J Biochem** 1981 Mar 16;115(1):107–13

The electrochemical proton gradient generated by the fumarate-reductase system in Escherichia coli and its bioenergetic implications. Hellingwerf KJ, et al. **Eur J Biochem** 1981 Jan;113(2):369–74

The uncoupler-binding protein in the proton-pumping ATPase from beef-heart mitochondria. Berden JA, et al. **FEBS Lett** 1981 Apr 20;126(2):211–4

The isolated F0 of Escherichia coli aTP-synthase is reconstitutively active in H+-conduction and ATP-dependent energy-transduction. Friedl P, et al. **FEBS Lett** 1981 Jun 15;128(2):261–4

Electric-field induced pK-changes in bacteriorhodopsin. Tsuji K, et al. **FEBS Lett** 1981 Jun 15;128(2):265–8

The protonation of the 5-thymyl radical in single crystals of thymine derivatives: e.s.r. and INDO evidence. Flossmann W, et al. **Int J Radiat Biol** 1979 Dec; 36(6):577–86

Relative biological effectiveness of a high energy modulated proton beam using a spontaneous murine tumor in vivo. Urano M, et al. **Int J Radiat Oncol Biol Phys** 1980 Sep; 6(9):1187–93

Oriented growth of Blastocladiella emersonii in gradients of ionophores and inhibitors. Harold RL, et al. **J Bacteriol** 1980 Dec;144(3):1159–67

Nuclear magnetic resonance study of muscle water protons in muscular dystrophy of chickens. Chang DC, et al. **J Cell Physiol** 1981 Apr;107(1):139–45

Extracellular proton release by stimulated neutrophils. van Zwieten R, et al. **J Clin Invest** 1981 Jul;68(1):310–3

Effect of quinidine on Na, H+, and water transport by the turtle and toad bladders. Arruda JA, et al. **J Membr Biol** 1980 Jul 15;55(2):141–7

Coupling between H+ transport and anaerobic glycolysis in turtle urinary bladder: effect of inhibitors of H+ ATPase. Steinmetz PR, et al. **J Membr Biol** 1981 Mar 15; 59(1):27–34

Proton turnover at mitochondrial coupling sites. Lappin SA, et al. **J Theor Biol** 1980 May 21;84(2):181–4

Molecular mechanisms of general anaesthesia [editorial] **Lancet** 1981 Aug 29;2(8244):455–6

Magnetic resonance imaging of proton properties [editorial] **Lancet** 1981 Jan 10;1(8211):83–4

Proton beam irradiation. An alternative to enucleation for intraocular melanomas. Gragoudas ES, et al. **Ophthalmology (Rochester)** 1980 Jun;87(6):571–81

Neutron beams from protons on beryllium. Bewley DK, et al. **Phys Med Biol** 1980 Sep;25(5):887–92

Stopping powers of a tissue-equivalent gas for 40--200 keV protons. Fukuda A. **Phys Med Biol** 1980 Sep;25(5):877–86

Comparison of NMR water proton T1 relaxation times of rabbit tissues at 24 MHz and 2.5 MHz [letter] Ling CR, et al. **Phys Med Biol** 1980 Jul;25(4):748–51

The energy dependence of W in argon/methane gas for 300 keV to 1.8 Me V protons. Nuton DH, et al. **Phys Med Biol** 1981 Mar;26(2):245–51

A model for biological oscillations. Chay TR. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2204–7

A critique of the chemosmotic model of energy coupling. Green DE. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2240–3

Energy deposition by proton beams of up to 31 MeV in microscopic volumes. Bettega D, et al. **Radiat Environ Biophys** 1981;19(2):79–89

Chromosome aberrations induced by protons up to 31 MeV in cultured human cells. Bettega D, et al. **Radiat Environ Biophys** 1981;19(2):91–100

Effects of 6 MeV proton on dry seeds of chloris distichophylla. Tano S, et al. **Radioisotopes** 1980 Dec; 29(12):599–601

First step in vision: proton transfer or isomerization? Dupuis P, et al. **Rev Can Biol** 1980 Dec;39(4):247–58 (66 ref.)

Future prospects of radiation therapy with protons. Munzenrider JE, et al. **Semin Oncol** 1981 Mar;8(1):110–24 (44 ref.)

Coupling between H+ transport and anaerobic glycolysis in turtle bladder. Vanadate sensitivity of H+ pump. Steinmetz PR, et al. **Trans Assoc Am Physicians** 1980; 93:289–94

A1'P-dependent proton transport into vesicles of microsomal membranes of Zea mays coleoptiles. Hager A, et al. **Z Naturforsch [C]** 1980 Sep–Oct;35(9–10):783–93

[Radiobiological characteristics for the medical proton beam with an energy of 1000 mev (author's transl)] Konnov BA, et al. **Radiobiol Radiother (Berl)** 1981;22(2):225–32 (Eng. Abstr.) **(Ger)**

[Ubiquinone reduction, proton absorption and the formation of a transmembrane electric potential differential induced by a series of light bursts in the chromatophores of Rhodopseudomonas sphaeroides] Verkhovskiĭ MI, et al. **Biol Nauki** 1980;(8):35–7 **(Rus)**

[Proton receptor in a nerve cell membrane] Kryshtal' OA, et al. **Dokl Akad Nauk SSSR** 1980;255(6):1494–6 **(Rus)**

[Proton receptor, a possible mechanism of pain sensitivity] Kryshtal' OA, et al. **Dokl Akad Nauk SSSR** 1981; 258(3):763–5 **(Rus)**

[Chemical protection of the body against irradiation with high-energy protons] Vorob'ev EI, et al. **Kosm Biol Aviakosm Med** 1981 Jan–Feb;15(1):3–9 (53 ref.) (Eng. Abstr.) **(Rus)**

[Use of narrow proton beams for treating eye tumors] Kubynina NA, et al. **Med Radiol (Mosk)** 1980 Oct; 25(10):73–6 (39 ref.) **(Rus)**

[Proton irradiation of esophageal cancer] Ruderman Kondrat'eva AP, et al. **Med Radiol (Mosk)** 1981 Jun; 26(6):20–5 (Eng. Abstr.) **(Rus)**

[Proton therapy, a new type of radiation treatment of hypothalamo-hypophyseal diseases] Marova EI, et al. **Sov Med** 1980;(11):64–9 **(Rus)**

PROTOPLASTS

Isolation of protoplasts from Aspergillus nidulans conidiospores. Bos CJ, et al. **Can J Microbiol** 1981 Apr; 27(4):400–7

Production of protoplasts in different yeasts by mutanase. Stephen ER, et al. **Can J Microbiol** 1981 May;27(5):550–3

Plasmid transfer and genetic recombination by protoplast fusion in staphylococci. Götz F, et al. **J Bacteriol** 1981 Jan;145(1):74–81

Protoplasts from yeast and mycelial forms of Candida albicans. Torres-Bauzá LJ, et al. **J Gen Microbiol** 1980 Aug;119(Pt 2):341–9

Polyethyleneglycol-induced transformation of Bacillus subtilis protoplasts by bacterial chromosomal DNA. Lévi-Meyrueis C, et al. **MGG** 1980;179(3):589–94

Protoplasts from Aspergillus nidulans. van den Broek WJ, et al. **Microbios** 1979;26(104):115–28

[Formation of stable diploid bacteria by fusion of protoplasts of Bacillus subtilis and the effect of rec- mutations on the fusion products formed] Lévi-Meyrueis C, et al. **C R Acad Sci [D] (Paris)** 1980 Jul 7;291(1):67–70 (Eng. Abstr.) **(Fre)**

[Protoplast fusion--a new method of obtaining recombinant strains] Azizbekian RR. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Dec;(12):3–9 (41 ref.) **(Rus)**

DRUG EFFECTS

The effect of calcium on protoplast release from species of Aspergillus. Thomas KR, et al. **Microbios** 1980; 28(112):69–80

METABOLISM

Compartmentation and export of 14CO2 fixation products in mesophyll protoplasts from the C4-plant Digitaria sanguinalis. Hallberg M, et al. **Arch Biochem Biophys** 1981 Apr 15;208(1):121–30

An investigation into the feasibility of using yeast protoplasts to study the ion transport properties of the plasma membrane. Theuvenet AP, et al. **Biochim Biophys Acta** 1980 July;599(2):587–95

Role of vesicles on the transport and secretion of exocellular enzymes by yeast. Herrero P, et al. **Cell Mol Biol** 1980; 26(5):485–92

Biparental products of bacterial protoplast fusion showing unequal parental chromosome expression. Hotchkiss RD, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3553–7

MICROBIOLOGY

The mechanism of entry of viruses into plant protoplasts. Watts JW, et al. **Ciba Found Symp** 1980 May 13–15; 80:56–71 (24 ref.)

PHYSIOLOGY

The stress-strain relation of the plasma membrane of isolated plant protoplasts. Wolfe J, et al. **Biochim Biophys Acta** 1981 May 20;643(3):663–8

Fusion of Avena sativa mesophyll cell protoplasts by electrical breakdown. Zimmermann U, et al. **Biochim Biophys Acta** 1981 Feb 20;641(1):160–5

Growth of Streptococcus mutans protoplasts is not inhibited by penicillin. Parks LC, et al. **J Bacteriol** 1980 Sep; 143(3):1491–7

ULTRASTRUCTURE

Polyethylene glycol induced membrane fusion in yeast protoplasts. Svoboda A. **Acta Histochem [Suppl] (Jena)** 1981;23:211–7

Metabolite levels during induction in the chloroplast and extrachloroplast compartments of spinach protoplasts. Stitt M, et al. **Biochim Biophys Acta** 1980 Nov 5;593(1):85–102

Morphological changes during conversion of Clostridium saccharoperbutylacetonicum to protoplasts by sucrose-induced autolysis. Ogata S, et al. **Microbiol Immunol** 1980;24(5):393–400

[Isolation of yeast protoplasts using various preparations of the hepato-pancreatic juice of Helix pomatia] Diatewa M, et al. **Biochimie** 1981 Jan;63(1):67–9 (Eng. Abstr.) **(Fre)**

PROTOPORPHYRINS see under **PORPHYRINS**

PROTOTHECA

DRUG EFFECTS

[In vitro action of ketoconazole on Prototheca and Fissuricella filamenta] Mendes MJ, et al. **Rev Inst Med Trop Sao Paulo** 1980 Nov–Dec;22(6):306–9 (Eng. Abstr.) **(Por)**

[Preliminary investigation of the in vitro inhibitory effect of antibiotics on algae of the genus Prototheca] Casal M, et al. **Mycopathologia** 1981 Jul 10;75(1):45–9 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Phagocytosis and algicidal activity of human polymorphonuclear neutrophils against Prototheca wickerhamii. Phair JP, et al. **J Infect Dis** 1981 Jul; 144(1):72–7

ISOLATION & PURIFICATION

[Importance of the detection of representatives of the genus Prototheca in human material (author's transl)] Pfister W, et al. **Mykosen** 1980 Sep;23(9):535–7 (Eng. Abstr.) **(Ger)**

PATHOGENICITY

Experimental protothecosis in labortory animals. de Camargo ZP, et al. **Sabouraudia** 1980 Sep;18(3):237–40

PHYSIOLOGY

First case of human protothecosis in Canada: laboratory aspects. Kapica L. **Mycopathologia** 1981 Jan 30;73(1):43–8

PROTOZOA

The Application of the Recombinant DNA Technology to Protozoology Report of a Workshop, Swope Center, Marine Biological Laboratory Woods Hole, Massachusetts 27–30 April 1980. **Am J Trop Med Hyg** 1980 Sep;29(5 Suppl):1021–128

Introductory remarks. Delappe IP. **Am J Trop Med Hyg** 1980 Sep;29(5 Suppl):1023–4

Why a reference collection of living protozoa? Daggett PM, et al. **J Protozool** 1980 Nov;27(4):507–8

[Laveran's work in protozoology and its impact] Brumpt L. **Bull Acad Natl Med (Paris)** 1980 Jan;164(1):88–93 **(Fre)**

ANALYSIS

[The presence of Protozoa in the oral cavity in relation to diseases and operations in the maxillofacial region] Reczyk J, et al. **Czas Stomatol** 1980 Mar;33(3):237–44 (Eng. Abstr.) **(Pol)**

CLASSIFICATION

Myxobolus microcystus sp. N. (Protozoa: Myxosporida) from the gills of Micropterus salmoides (Lacépède 1802) in southern Illinois. Price RL, et al. **J Parasitol** 1980 Dec; 66(6):1019–21

Method for coding data on protozoan strains for computers. Daggett PM, et al. **J Protozool** 1980 Nov;27(4):353–61

Gastrointestinal parasites of the eastern cottontail (Sylvilagus floridanus) in central Pennsylvania. Wiggins JP, et al. **J Wildl Dis** 1980 Oct;16(4):541–4

CYTOLOGY

Sulfation of a cell surface glycoprotein correlates with the developmental program during embryogenesis of Volvox carteri. Wenzl S, et al. **Proc Natl Acad Sci USA** 1981 Jun; 78(6):3716–20

DRUG EFFECTS

Mechanisms of selective toxicity of metronidazole and other nitroimidazole drugs. Edwards DI. **Br J Vener Dis** 1980 Oct;56(5):285–90 (48 ref.)

ENZYMOLOGY

Characterization of enzymes of ammonia metabolism in protozoa from rumen of buffalo bulls. Singh A, et al. **Zentralbl Veterinaermed [A]** 1980 Jul;27(5):364–71

[Proteolytic activity of 4 protozoan species] Sukhareva-Nemakova NN, et al. **Biol Nauki** 1981; (4):99–103 **(Rus)**

GENETICS

All gene-sized DNA molecules in four species of hypotrichs have the same terminal sequence and an unusual 3' terminus. Klobutcher LA, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):3015–9

GROWTH & DEVELOPMENT

Sequestration of holotrich protozoa in the reticulo-rumen of cattle. Abe M, et al. **Appl Environ Microbiol** 1981 Mar; 41(3):758-65

A simple method for plating and cloning ciliates and other protozoa. Soldo AT, et al. **J Protozool** 1980 Aug; 27(3):328-31

Simple focus assay for Encephalitozoon cuniculi. Pye D, et al. **Lab Anim** 1979 Jul;13(3):193-5

Development of Hepatozoon erhardovae Krampitz, 1964 (Protozoa: Haemogregarinidae) in experimental mammalian and arthropod hosts. II. Sexual development in fleas and sporozoite indices in xenodiagnosis. Krampitz HE. **Trans R Soc Trop Med Hyg** 1981;75(1):155-7

IMMUNOLOGY

The prevalence of Encephalitozoon antibodies in dogs and an evaluation of the indirect fluorescent antibody test. Stewart CG, et al. **J S Afr Vet Assoc** 1979 Sep;50(3):169-72

Simple diagnostic test for antibodies to Encephalitozoon cuniculi based on enzyme immunoassay. Cox JC, et al. **Lab Anim** 1981 Jan;15(1):41-3

India-ink immunoreaction for encephalitozoonosis: phototechnique. Kellett BS, et al. **Lab Anim** 1979 Jul; 13(3):197-8

ISOLATION & PURIFICATION

Diagnostic clinical parasitology: II. Identification of the intestinal protozoa. Garcia LS, et al. **Am J Med Technol** 1980 Nov;46(11):821-36

Cryptosporidium: evidence for a single-species genus. Tzipori S, et al. **Infect Immun** 1980 Dec;30(3):884-6

Comparison of clinical results for the use of ethyl acetate and diethyl ether in the formalin-ether sedimentation technique performed on polyvinyl alcohol-preserved specimens. Garcia LS, et al. **J Clin Microbiol** 1981 Apr; 13(4):709-13

Comparison of formalin-ethyl ether sedimentation, formalin-ethyl acetate sedimentation, and zinc sulfate flotation techniques for detection of intestinal parasites. Truant AL, et al. **J Clin Microbiol** 1981 May;13(5):882-4

Comparison of techniques used for isolation of spores of Pleistophora ovariae (Microsporida). Leida MN, et al. **J Parasitol** 1980 Dec;66(6):1066-7

Studies on the parasite fauna of juvenile Atlantic salmon, Salmo salar L., cultured in fresh water in eastern Scotland. Wootten R, et al. **Z Parasitenkd** 1980;63(3):221-31

[Parasites of Austrian birds of prey (Falconiformes)] Kutzer E, et al. **Angew Parasitol** 1980 Nov;21(4):183-205 (Eng. Abstr.) **(Ger)**

[The applicability of parasites for group separations in the rat-tail fish Macrourus rupestris] Szuks H. **Angew Parasitol** 1980 Nov;21(4):211-4 (Eng. Abstr.) **(Ger)**

[Protozoological analysis of 10 swimming pools in the Federal District and the state of Morelos, Mexico] Coronado-Gutiérrez R, et al. **Rev Latinoam Microbiol** 1980 Jul-Sep;22(3):157-60 (Eng. Abstr.) **(Spa)**

METABOLISM

Possible functions of calmodulin in protozoa. Satir BH, et al. **Ann NY Acad Sci** 1980;356:83-91

Regulation of the synthesis of ribulose-1,5-bisphosphate carboxylase and its subunits in the flagellate Chlorogonium elongatum. I. The effect of light and acetate on the synthesis and the degradation of the enzyme. Boege F, et al. **Eur J Biochem** 1981 Jan;113(3):581-6

Protozoa as tools for nutrition research. Hutner SH, et al. **Nutr Rev** 1980 Nov;38(11):361-4

PHYSIOLOGY

Cell biological analysis of parasite-host cell interactions. I. Phagocytosis and endoparasitism, a review. Linnemans WA. **Acta Leiden** 1979;47:1-21 (98 ref.)

Relative effects of bacterial and protozoan predators on survival of Escherichia coli in estuarine water samples. McCambridge J, et al. **Appl Environ Microbiol** 1980 Nov; 40(5):907-11

Circadian rhythms in unicellular organisms. Mergenhagen D. **Curr Top Microbiol Immunol** 1980;90:123-47 (69 ref.)

Microtubules and the propagation of bending waves by the archigregarine, Selenidium fallax. Mellor JS, et al. **J Exp Biol** 1980 Aug;87:149-61

Protist Biogeography. Bamforth SS. **J Protozool** 1981 Feb; 28(1):2-9 (63 ref.)

'Pseudochemotaxis' by micro-organisms in an attractant gradient. Lapidus IR. **J Theor Biol** 1980 Sep 7;86(1):91-103

Cellular nucleotide measurements and applications in microbial ecology. Karl DM. **Microbiol Rev** 1980 Dec; 44(4):739-96 (341 ref.)

Microbial competition. Fredrickson AG, et al. **Science** 1981 Aug 28;213(4511):972-9

ULTRASTRUCTURE

Investigation of membrane complexes of myelin and gregarine pellicle by freeze-drying and freeze-etching methods. Komissarchik YaYu, et al. **Acta Histochem [Suppl] (Jena)** 1981;23:275-83

Studies on the motility of the foraminifera. I. Ultrastructure of the reticulopodial network of Allogromia laticollaris (Arnold). Travis JL, et al. **J Cell Biol** 1981 Jul;90(1):211-21

Structural basis of motility in the microtubular axostyle: implications for cytoplasmic microtubule structure and function. Woodrum DT, et al. **J Cell Biol** 1980 NOV;87(2 Pt 1):404-14

PROTOZOAN INFECTIONS

COMPLICATIONS

Oral manifestations of tropical infectious diseases of Central and South America. Part I: Protozoan and helminthic infections. Zislis T, et al. **Milit Med** 1980 Aug;145(8):525-8

Hemorrhagic fevers, with special reference to recent outbreaks in southern Africa. Gear JH. **Rev Infect Dis** 1979 Jul-Aug;1(4):571-91 (46 ref.)

DIAGNOSIS

The Bueno-Parrish method (BPM) for diagnosis of intestinal protozoa. Bueno H, et al. **Am J Proctol Gastroenterol Colon Rectal Surg** 1981 Mar; 32(3):6, 28

Ciliated endocervical cells: a cyclic 'pseudo-protozoal infestation' of the endocervix. Husami N, et al. **Fertil Steril** 1981 Jul;36(1):116-8

The use of the Kohn chlorazol black fixative-stain in an intestinal parasite survey in rural Costa Rica. Bullock WL. **J Parasitol** 1980 Oct;66(5):811-3

Development of Hepatozoon erhardovae Krampitz, 1964 (Protozoa: Haemogregarinidae) in experimental mammalian and arthropod hosts. II. Sexual development in fleas and sporozoite indices in xenodiagnosis. Krampitz HE. **Trans R Soc Trop Med Hyg** 1981;75(1):155-7

[Various questions on microscopic detection of intestinal protozoan infections] Ockert G. **Z Gesamte Hyg** 1980; 26(10):726-9 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Intestinal parasitic infections. Botero D. **Antibiot Chemother** 1981;30:1-19

Content, synthesis, and function of polyamines in trypanosomatids: relationship to chemotherapy. Bacchi CJ. **J Protozool** 1981 Feb;28(1):20-7 (76 ref.)

The chemotherapy of protozoal infections: whither? Steck EA. **J Protozool** 1981 Feb;28(1):30-5 (106 ref.)

The chemotherapy of protozoal infections of man. Steck EA. **J Protozool** 1981 Feb;28(1):10-6 (100 ref.)

IMMUNOLOGY

Chemotherapy and the immune response in protozoal infections. Hanson WL. **J Protozool** 1981 Feb;28(1):27-30 (107 ref.)

OCCURRENCE

The prevalence of intestinal parasites in Puerto Rican farm workers in western Massachusetts. Ortiz JS. **Am J Public Health** 1980 Oct;70(10):1103-5

Protozoal infection in human beings in India. A critical review of the literature. Chand M. **Ann Sclavo** 1980 Mar-Apr;22(2):125-35 (77 ref.)

Intestinal parasitism in migrant farm labour populations in irrigation schemes in the Awash Valley, Ethiopia, and in major labour source areas. Kloos H, et al. **Ethiop Med J** 1980 Apr;18(2):53-62

Intestinal parasitic infections in black scholars in northern KwaZulu. Schutte CH, et al. **S Afr Med J** 1981 Jul 25; 60(4):137-41

Intestinal parasites of man in Bukidnon, Philippines, with emphasis on schistosomiasis. Carney WP, et al. **Southeast Asian J Trop Med Public Health** 1981 Mar; 12(1):24-9

Intestinal parasites of man in Oriental Mindoro, Philippines, with emphasis on schistosomiasis. Carney WP, et al. **Southeast Asian J Trop Med Public Health** 1981 Mar; 12(1):12-8

Intestinal parasites of man in Northern Bohol, Philippines, with emphasis on schistosomiasis. Carney WP, et al. **Southeast Asian J Trop Med Public Health** 1980 Dec; 11(4):473-9

[Contribution to the knowledge of intestinal protozoa infestation in the hospital population of Barcelona (author's transl)] Portús M, et al. **Med Clin (Barc)** 1981 Mar 10; 76(5):203-5 (Eng. Abstr.) **(Spa)**

PARASITOLOGY

The ultrastructure of Encephalitozoon cuniculi growing in renal tubules of rabbits. Hamilton RC, et al. **Z Parasitenkd** 1981;64(3):271-8

PATHOLOGY

Nosematosis of the cornea. Case report, including electron microscopic studies. Pinnolis M, et al. **Arch Ophthalmol** 1981 Jun;99(6):1044-7

TRANSMISSION

Sexual transmission of enteric protozoa and helminths in a venereal-disease-clinic population. Phillips SC, et al. **N Engl J Med** 1981 Sep 10;305(11):603-6

VETERINARY

Tick-borne diseases. Purnell RE. **Br Vet J** 1981 Mar-Apr; 137(2):221-40

Tissue reaction to Glugea plecoglossi infection in its natural host, Plecoglussus altivelis. Dyková I, et al. **Folia Parasitol (Praha)** 1980;27(3):213-6

Disseminated hexamitiasis in Siamese fighting fish. Ferguson HW, et al. **J Am Vet Med Assoc** 1980 Nov 1;177(9):854-7

Bovine trichomoniasis: diagnosis and treatment. Kimsey PB, et al. **J Am Vet Med Assoc** 1980 Oct 1;177(7):616-9

Chilodonelliasis. Leibovitz L. **J Am Vet Med Assoc** 1980 Aug 1;177(3):222-3

Haemoproteus meleagridis Levine 1961: redescription and developmental morphology of the gametocytes in turkeys. Greiner EC, et al. **J Farasitol** 1980 Aug;66(4):652-8

Seasonal prevalence of hematozoa in Willow Ptarmigan (Lagopus lagopus) from northwestern British Columbia. Mahrt JL. **J Parasitol** 1981 Apr;67(2):277-8

The chemotherapy of protozoal infections of veterinary importance. Joyner LP. **J Protozool** 1981 Feb;28(1):17-9 (32 ref.)

Canine encephalitozoonosis in South Africa. Botha WS, et al. **J S Afr Vet Assoc** 1979 Jun;50(2):135-44

Canine encephalitozoonosis in kennels and the isolation of Encephalitozoon in tissue culture. Stewart CG, et al. **J S Afr Vet Assoc** 1979 Sep;50(3):165-8

The prevalence of Encephalitozoon antibodies in dogs and an evaluation of the indirect fluorescent antibody test. Stewart CG, et al. **J S Afr Vet Assoc** 1979 Sep;50(3):169-72

Hematozoa of mallard ducks (Anas platyrhynchos) of the Pacific Flyway, Washington. Clark GW. **J Wildl Dis** 1980 Oct;16(4):529-31

Epizootiology and histopathology of Chloromyxum trijugum (Myxospora: Myxosporida) in centrarchid fishes from Iowa. Mitchell LG, et al. **J Wildl Dis** 1980 Apr;16(2):233-6

Hematozoa of wood ducks (Aix spons) in the Atlantic flyway. Thul JE, et al. **J Wildl Dis** 1980 Jul;16(3):383-90

In vivo and in vitro studies on the host specificity of Trypanoplasma salmositica. Wehnert SD, et al. **J Wildl Dis** 1980 Apr;16(2):183-7

Simple diagnostic test for antibodies to Encephalitozoon cuniculi based on enzyme immunoassay. Cox JC, et al. **Lab Anim** 1981 Jan;15(1):41-3

The course of infection of Encephalitozoon cuniculi in immunodeficient and immunocompetent mice. Gannon J. **Lab Anim** 1980 Jul;14(3):189-92

A survey of Encephalitozoon cuniculi in laboratory animal colonies in the United Kingdom. Gannon J. **Lab Anim** 1980 Apr;14(2):91-4

Ultrastructural features of spironucleosis (hexamitiasis) in x-irradiated rat small intestine. Gruber HE, et al. **Lab Anim** 1979 Jul;13(3):199-202

India-ink immunoreaction for encephalitozoonosis: phototechnique. Kellett BS, et al. **Lab Anim** 1979 Jul; 13(3):197-8

Lack of effect of Spironucleus (Hexamita) muris on the immune response to tetanus toxoid in the rat. Mullink JW, et al. **Lab Anim** 1980 Apr;14(2):127-8

Transmission of Spironucleus and Giardia spp. and some nonpathogenic intestinal protozoa from infested hamsters to mice. Sebesteny A. **Lab Anim** 1979 Jul;13(3):189-91

Diagnosis of encephalitozoonosis: a simple method for collection of rabbit blood. Waller T, et al. **Lab Anim** 1979 Jul;13(3):207-8

Rapid detection by counterimmunoelectrophoresis of antigens and antibodies in the sera of chickens infected with Leucocytozoon caulleryi. Fujisaki K, et al. **Natl Inst Anim Health Q (Tokyo)** 1980 Fall;20(3):96-100

A fatal case of hepatocystosis in an imported monkey (Macaca fascicularis). Narama I, et al. **Nippon Juigaku Zasshi** 1980 Aug;42(4):453-7

Coccidia (Protozoa: Sporozoasida) of cats and dogs. IV. Identity and prevalence in dogs. McKenna PB, et al. **NZ Vet J** 1980 Jul;28(7):128-30

Coccidia (Protozoa:Sporozoasida) of cats and dogs. I. Identity and prevalence in cats. McKenna PB, et al. **NZ Vet J** 1980 May;28(5):86-8

Infections with blood parasites in the small British rodents Apodemus sylvaticus, Clethrionomys glareolus and Microtus agrestis. Healing TD. **Parasitology** 1981 Aug; 83(Pt 1):179-89

A serological survey of Encephalitozoon cuniculi infection in the wild rabbit in England and Scotland. Cox JC, et al. **Res Vet Sci** 1980 May;28(3):396

Incidence of protozoan blood parasites in livestock in northern Nigeria. Osiyemi TI, et al. **Trop Anim Health Prod** 1980 May;12(2):115

Fecal transmission of calf cryptosporidia between calves and pigs. Moon HW, et al. **Vet Pathol** 1981 Mar;18(2):248-55

Papillary epicardial mesotheliomas associated with encephalitozoonosis in blue foxes. Nordstoga K, et al. **Vet Pathol** 1981 Jul;18(4):564-6

Protozoan threat to fish industry [letter] Dalton PJ. **Vet Rec** 1980 Sep 27;107(13):316

Enteritis caused by Cryptosporidium in calves. Anderson BC, et al. **VM SAC** 1981 Jun;76(6):865-8

[Intestinal parasitic helminths and protozoa of dogs in Belgium. II. special case of Eucoccidia] Cotteleer C, et al. **Schweiz Arch Tierheilkd** 1980 Sep;122(9):519-26 (Eng. Abstr.) **(Ger)**

PROTRIPTYLINE see under

DIBENZOCYCLOHEPTENES

PROVENTRICULUS

ANALYSIS

Characterization of an avian gastric (proventricular) peptide having sequence homology with the porcine gastrin-releasing peptide and the amphibian peptides bombesin and alytesin. McDonald TJ, et al. **FEBS Lett** 1980 Dec 15;122(1):45-8

ENZYMOLOGY

Histochemical localization of carbonic anhydrase in fowl proventriculus. Palatroni P, et al. **Experientia** 1980 Jun 15; 36(6):678-9

PATHOLOGY

A proventricular adenoma in a Brazilian teal (Amazonetta brasiliensis). Baker JR. **Vet Rec** 1980 Jul 19;107(3):63-4

SECRETION

[Effect of histamine and antihistaminics on pH of effluent from proventriculus of anesthetized chickens (author's transl)] Park JH, et al. **Nippon Juigaku Zasshi** 1980 Oct; 42(5):573-80 (Eng. Abstr.) **(Jpn)**

PROVERBS see **APHORISMS AND PROVERBS**

PROVIDENCIA see under **PROTEUS**

PROVOCATION TESTS, BRONCHIAL see **BRONCHIAL PROVOCATION TESTS**

PROVOCATION TESTS, NASAL see **NASAL PROVOCATION TESTS**

PROXEMICS see under **SPATIAL BEHAVIOR**

PROXIMAL RENAL TUBULAR DYSFUNCTION see **FANCONI SYNDROME**

PROZAMINE see **PROMETHAZINE**

PRURIGO

CLASSIFICATION

Prurigo: a clinical review. Jorizzo JL, et al. **J Am Acad Dermatol** 1981 Jun;4(6):723-8 (31 ref.)

DIAGNOSIS

Prurigo of late pregnancy. Cooper AJ, et al. **Australas J Dermatol** 1980 Aug;21(2):79-84

DRUG THERAPY

Three cases of prurigo pigmentosa. Yamasaki R, et al. **J Dermatol (Tokyo)** 1981 Apr;8(2):125-32

ETIOLOGY

Prurigo nodularis. A possible relationship to atopy. Miyachi Y, et al. **J Dermatol (Tokyo)** 1980 Aug;7(4):281-3

[Challenging diets in prurigo, urticaria and eczema] Rudzki E. **Przegl Dermatol** 1980;67(6):743-6 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Actinic prurigo. Scheen SR 3d, et al. **J Am Acad Dermatol** 1981 Aug;5(2):183-90

IMMUNOLOGY

[Bronchial hypersensitivity in prurigo] Korzeniowska-Zuk E, et al. **Przegl Dermatol** 1980 Sep-Oct;67(5):563-8 (Eng. Abstr.) **(Pol)**

METABOLISM

In vivo measurements of iron, copper and zinc in the skin of prurigo nodularis patients treated with thalidomide. Sheskin J, et al. **Dermatologica** 1981;162(2):86-90

THERAPY

[Results of treatment of prurigo at the Kołobrzeg health resort in the light of clinical and laboratory studies. I. Immunoglobulin level before and after sanatorium treatment] Bowszyc J, et al. **Przegl Dermatol** 1980 Jul-Aug; 67(4):499-504 (Eng. Abstr.) **(Pol)**

[Results of balneoclimatic treatment of various allergic skin diseases at Swinoujście health resort] Szyroki L, et al. **Przegl Dermatol** 1980;67(6):783-8 (Eng. Abstr.) **(Pol)**

PRURITUS

BLOOD

Changes in serum bile acid concentrations during normal pregnancy, in patients with intrahepatic cholestasis of pregnancy and in pregnant women with itching. Heikkinen J, et al. **Br J Obstet Gynaecol** 1981 Mar;88(3):240-5

CHEMICALLY INDUCED

Studies on pruritogenic and histamine-releasing effects of some putative peptide neurotransmitters. Fjellner B, et al. **Acta Derm Venereol (Stockh)** 1981;61(3):245-50

Itch following photochemotherapy for psoriasis. Rogers S, et al. **Acta Derm Venereol (Stockh)** 1981;61(2):178-80

Itching as a side-effect of epidural morphine [letter] Duffy BL. **Anaesthesia** 1981 Jan;36(1):67

Is itching after caudal epidural morphine dose related? [letter] Hirlekar G. **Anaesthesia** 1981 Jan;36(1):68

Butorphanol-induced pruritus antagonized by naloxone [letter] Bernstein JE, et al. **J Am Acad Dermatol** 1981 Aug; 5(2):227-8

Pruritus associated with niacinamide [letter] Bures FA. **J Am Acad Dermatol** 1980 Nov;3(5):530-1

Itch [letter] Baker H. **Lancet** 1980 Oct 18;2(8199):863

Chloroquine pharmacokinetics in tissues of pyrogen treated rats and implications for chloroquine related pruritus. Osifo NG. **Res Commun Chem Pathol Pharmacol** 1980 Dec; 30(3):419-30

Use and misuse of 4-aminoquinoline antimalarials in tropical Africa and re-examination of itch reaction to these drugs. Olatunde A, et al. **Trop Doct** 1981 Jul;11(3):97-101

[Pruritus induced by cimetidine (letter)] Taillandier J, et al. **Nouv Presse Med** 1981 Jan 31;10(4):258 **(Fre)**

COMPLICATIONS

Benign recurrent cholestasis. van Berge Henegouwen GP, et al. **Acta Gastroenterol Belg** 1979 Sep-Oct;42(9-10):363-8

Chronic pruritic dermatitis in asthmatic monkeys: a subhuman primate analogue of atopic dermatitis? Patterson R, et al. **Int Arch Allergy Appl Immunol** 1981;64(3):332-7

Pruritic urticarial papules and plaques of pregnancy. Ahmed AR, et al. **J Am Acad Dermatol** 1981 Jun;4(6):679-81

DIAGNOSIS

Assessing complaints about itching eyes. Schmidt MB, et al. **Occup Health Saf** 1980 Nov-Dec;49(10):42-4, 49

DRUG THERAPY

Relief of idiopathic generalized pruritus in dialysis patients treated with activated oral charcoal. Pederson JA, et al. **Ann Intern Med** 1980 Sep;93(3):446-8

Naloxone modulates the perception of itch in man [letter] Summerfield JA. **Br J Clin Pharmacol** 1980 Aug; 10(2):180-3

Pruritus of polycythaemia vera: a place for pizotifen? Fitzsimons EJ, et al. **Br Med J [Clin Res]** 1981 Jul 25; 283(6286):277

A contraindication for the use of charcoal in uremic patients [letter] Fusaro RM. **J Am Acad Dermatol** 1981 Aug;5(2):219

Winter itch, dry skin. Papa CM. **J Med Soc NJ** 1980 Nov; 77(12):817-9

UVA light for relief of uraemic pruritus [letter] Hindson C, et al. **Lancet** 1981 Jan 24;1(8213):215

[Pruritus in Hodgkin's disease responding to cimetidine] Stäubli M, et al. **Schweiz Med Wochenschr** 1981 May 16; 111(20):723-4 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Pruritus in cholestasis: no direct causative role for bile acid retention. Freedman MR, et al. **Am J Med** 1981 May; 70(5):1011-6

Pruritus as a sign of systemic disease. Report of metastatic small cell carcinoma. Beeaff DE. **Ariz Med** 1980 Dec; 37(12):831-3

Uraemic pruritus [editorial] **Br Med J** 1980 Oct 18; 281(6247):1025

Bath-time itch [editorial] **Br Med J [Clin Res]** 1981 Jun 20; 282(6281):1995-6

Aquagenic pruritus. Greaves MW, et al. **Br Med J [Clin Res]** 1981 Jun 20;282(6281):2008-10

Diagnosis and management of hypochondriacal psychosis [letter] Krass ME. **Can Med Assoc J** 1981 Apr 15; 124(8):968-9

The pruritic dermatoses. Nardacci AW. **Compr Ther** 1981 Jan;7(1):50-6

Skin and mucous membrane problems from 'no carbon required' paper. Menné T, et al. **Contact Dermatitis** 1981 Mar;7(2):72-6

Pruritus and xerosis in patients with chronic renal failure. Nielsen T, et al. **Dan Med Bull** 1980 Dec 6;27(6):269-71

Entamoeba histolytica: a possible cause of pruritus. Ganor S. **Int J Dermatol** 1981 May;20(4):261

Dialysis pruritus: effect of cimetidine. Aubia J, et al. **J Dial** 1980;4(4):141-5

Paroxysmal itching in multiple sclerosis: a report of three cases. Yamamoto M, et al. **J Neurol Neurosurg Psychiatry** 1981 Jan;44(1):19-22

The possible role of fungal sensitization in the pathogenesis of generalized essential pruritus. Alteras I, et al. **Mykosen** 1981 Feb;24(2):107-10

Pruritus: identifying and treating the causes. Flaxman BA. **Postgrad Med** 1981 May;69(5):177-81, 184, 186 passim

[Itching--etiology and treatment] Zachariae H. **Nord Med** 1981 Jan;96(1):18-20 **(Dan)**

[Pruritus in terminal renal insufficiency (author's transl)] Fiegel P. **MMW** 1981 Jul 31;123(31):1203-4 **(Ger)**

[Phenomenology of scratching] Herrmann WP. **MMW** 1981 Jun 12;123(24):995-6 **(Ger)**

[Pruritus in the region of the female genitalia] Kaiser E. **MMW** 1981 Jul 31;123(31):1205-6 **(Ger)**

[Pruritus in diabetics (author's transl)] Knick B. **MMW** 1981 Jul 31;123(31):1197-9 (Eng. Abstr.) **(Ger)**

[The nonallergic urticaria syndrome (author's transl)] Schröpl F. **MMW** 1981 Jun 12;123(24):1007-12 (Eng. Abstr.) **(Ger)**

[Itching] Schröpl F. **MMW** 1981 Jun 12;123(24):985-6 **(Ger)**

[Case of depressive syndrome masked by pruritus] Kopel A, et al. **Przegl Dermatol** 1980 Sep-Oct;67(5):631-3 (Eng. Abstr.) **(Pol)**

OCCURRENCE

Pruritic papules of pregnancy [letter] Rahbari H. **JAMA** 1980 Sep 26;244(13):1434

PARASITOLOGY

[Pruritus as a leading symptom in parasitoses] Meinhof W. **MMW** 1981 Jul 31;123(31):1200-2 **(Ger)**

PATHOLOGY

Pruritic urticarial papules and plaques of pregnancy. Schwartz RA, et al. **Cutis** 1981 Apr;27(4):425-6, 432

PHYSIOPATHOLOGY

Lack of effect of the antihistamine drug clemastine on the potentiation of itch by prostaglandin E1. Boss M, et al. **Arch Dermatol** 1981 Apr;117(4):208-9

The measurement of itch with sensitive limb movement meters. Summerfield JA, et al. **Br J Dermatol** 1980 Sep; 103(3):275-81

Itch [editorial] **Lancet** 1980 Sep 13;2(8194):568-9

[Physiology and pathophysiology of pruritus (author's transl)] Stüttgen G. **MMW** 1981 Jun 12;123(24):987-91 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Organ loss, grieving and itching. Elberlik K. **Am J Psychother** 1980 Oct;34(4):523-33

Controlled neuropsychological investigation of patients with neurotic excoriations. Nielsen H, et al. **Psychother Psychosom** 1980;34(1):52-61

[The pruritus of endogenous eczema patients (author's transl)] Bosse K, et al. **MMW** 1981 Jun 12;123(24):1013-6 (Eng. Abstr.) **(Ger)**

[Scratching. Methodical approach and objectivation of situations intensifying symptoms in endogenous eczema] Hünecke P, et al. **MMW** 1981 Jun 12;123(24):992-4 **(Ger)**

[The problem patient in dermatological practice. Psychomatic aspects (author's transl)] Maass G. **MMW** 1981 Jun 12;123(24):1001-4 (Eng. Abstr.) **(Ger)**

[Pruritus as a psychic phenomenon (author's transl)] Rechenberger I. **MMW** 1981 Jun 12;123(24):1005-6 (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

Ultraviolet phototherapy for uraemic pruritus [letter] Simpson NB, et al. **Lancet** 1981 Apr 4;1(8223):781

THERAPY

Plasma exchange to control sweats and pruritus in malignant disease. Shaw D, et al. **Br Med J** 1980 Nov 29; 281(6253):1459

Plasma exchange to control sweats and pruritus in malignant disease [letter] Hamblin TJ. **Br Med J [Clin Res]** 1981 Jan 24;282(6260):319

Pruritus: identifying and treating the causes. Flaxman BA. **Postgrad Med** 1981 May;69(5):177-81, 184, 186 passim

[Symptomatic therapy of pruritus (author's transl)] Aulepp H. **MMW** 1981 Jun 12;123(24):997-1000 (Eng. Abstr.) **(Ger)**

TRANSMISSION

Pruritic urticarial papules and plaques of pregnancy. Involvement in mother and infant. Uhlin SR. **Arch Dermatol** 1981 Apr;117(4):238-9

VETERINARY

Canine pruritus: an approach to diagnosis. Stage II. Infestations and infections. Thoday KL. **J Small Anim Pract** 1980 Aug;21(8):449-58

Canine pruritus: an approach to diagnosis. Stages III and IV. Allergy and idiopathy. Thoday KL. **J Small Anim Pract** 1980 Sep;21(9):483-93

Canine pruritus: an approach to diagnosis. Stage I. Preliminary investigation. Thoday KL. **J Small Anim Pract** 1980 Jul;21(7):399-408

Alternative to corticosteroids in the management of pruritus in dogs. Van Stee EW. **VM SAC** 1981 Mar;76(3):331-3

PRURITUS ANI

DRUG THERAPY

A cream cleanser for anal hygiene in the treatment of pruritus ani [letter] Goldman L. **Arch Dermatol** 1980 Dec;

116(12):1346

[Value of Daktacort in the treatment of anal pruritus] Copé R, et al. **Med Chir Dig** 1980;9(5):441–4 **(Fre)**

ETIOLOGY

The importance of pain, pruritus and soiling as symptoms of haemorrhoids and their response to haemorrhoidectomy or rubber band ligation. Murie JA, et al. **Br J Surg** 1981 Apr;68(4):247–9

PREVENTION & CONTROL

Pruritus ani: its toilet [letter] Mossop RT. **Cent Afr J Med** 1981 Feb;27(2):34–5

THERAPY

Pruritus ani. A symptom of fecal contamination. Kocsard E. **Cutis** 1981 May;27(5):518

PRURITUS VULVAE

DIAGNOSIS

Clinical aspects, vaginal discharge, vaginitis and pruritus vulvae. Fisher AM. **Clin Obstet Gynaecol** 1981 Apr; 8(1):241–6

ETIOLOGY

Pruritis vulvae. Goolamali SK. **Clin Obstet Gynaecol** 1981 Apr;8(1):227–40

[Chronic vulvar pruritus caused by terminal-fibre neuroma episiotomy scar (author's transl)] Cramer HJ, et al. **Zentralbl Gynaekol** 1980;102(24):1437–43 (Eng. Abstr.) **(Ger)**

PRUSSIAN BLUE REACTION see under **HISTOCYTOCHEMISTRY**

PSEUDARTHROSIS

[Pathogenesis of the pseudarthroses: diagnosis and therapy (author's transl)] Rehn J, et al. **Unfallheilkunde** 1981 Jan; 84(1):1–13 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

[Tibial infectious pseudarthrosis. Treatment and results. Clinical study of 25 cases] Ahlers J, et al. **Zentralbl Chir** 1981;106(1):31–7 (Eng. Abstr.) **(Ger)**

[Carpal tunnel syndrome in pseudarthrosis of the os capitatum] Miehle D. **Zentralbl Chir** 1980;105(17):1158–61 **(Ger)**

[Infected pseudoarthroses of the tibia shaft. A collective study] Weise K, et al. **Zentralbl Chir** 1980;105(7):439–47 (Eng. Abstr.) **(Ger)**

CONGENITAL

Congenital pseudarthrosis of the clavicle. Quinlan WR, et al. **Acta Orthop Scand** 1980 Jun;51(3):489–92

Congenital 'pseudarthroses' of the tibia: treatment with pulsing electromagnetic fields. Bassett CA, et al. **Clin Orthop** 1981 Jan–Feb;(154):136–48

The differential diagnosis of congenital pseudarthrosis of the tibia. Campanacci M, et al. **Int Orthop** 1981;4(4):283–8

Congenital pseudarthrosis of the tibia. Morrissy RT, et al. **J Bone Joint Surg [Br]** 1981;63-B(3):367–75

Congenital pseudarthrosis of the tibia: treatment with vascularized autogenous fibular grafts. A preliminary report. Weiland AJ, et al. **Johns Hopkins Med J** 1980 Sep; 147(3):89–95

[Congenital pseudarthrosis of the clavicle. Apropos of 7 cases] Kohler R, et al. **Chir Pediatr** 1980;21(3):201–7 (Eng. Abstr.) **(Fre)**

[Orthopedic therapy in crus varum congenitum and congenital lower leg pseudarthrosis] Krieghoff R. **Beitr Orthop Traumatol** 1981 Mar;28(3):170–4 (Eng. Abstr.) **(Ger)**

[Congenital non-union of the clavicle (author's transl)] Brunner C, et al. **Paediatr Padol** 1981;16(2):137–41 (Eng. Abstr.) **(Ger)**

[Congenital pseudarthrosis of the clavicle: roentgenographic appearance and discussion of the aetiological and pathogenetical theories [author's transl] Colavita N, et al. **Radiol Med (Torino)** 1980 Dec;66(12):923–6 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

[A case report: pseudarthrosis of the os lunato-triquetrum?] Scharizer E. **Handchirurgie** 1979;11(3–4):233–8 (Eng. Abstr.) **(Ger)**

[Pseudoarthrosis of the metatarsal bones in children (author's transl)] Horský I, et al. **Acta Chir Orthop Traumatol Cech** 1980 Dec;47(6):545–7 (Eng. Abstr.) **(Slo)**

ETIOLOGY

Pseudoarthrosis in ankylosing spondylitis. Pastershank SP, et al. **J Can Assoc Radiol** 1980 Dec;31(4):234–5

[Non-union of fractures after osteomyelitis (author's transl)] Pinon P, et al. **Rev Chir Orthop** 1981;67(1):35–46 (Eng. Abstr.) **(Fre)**

[Influence of the treatment of fractures on the development of pseudoarthroses of the humerus shaft (author's transl)] Hermichen HG, et al. **Aktuel Traumatol** 1980 Jun; 10(3):137–42 (Eng. Abstr.) **(Ger)**

[Comment on E.G. Metz's article; 'Pathologic hypermobility in the head joint region: a case of os odontoideum' (letter)] Böhler J. **Beitr Orthop Traumatol** 1981 Mar;28(3):175–7 **(Ger)**

[Fractures and pseudarthroses of the dens axis] Böhler J. **Hefte Unfallheilkd** 1980;(149):97–114 (55 ref.) **(Ger)**

[Delays and non-union after forearm fractures (author's transl)] Finkbeiner GF. **Unfallheilkunde** 1980 Jul; 83(7):353–9 (Eng. Abstr.) **(Ger)**

PATHOLOGY

[Connective tissue in non-union and pseudarthrosis of long bones. Part II: cavity of false joints in dogs (author's transl)] Rohe K, et al. **Z Orthop** 1980 Dec;118(6):950–7 (Eng. Abstr.) **(Ger)**

[Connective tissue in non-union and pseudarthrosis of long bones. Part III: comparative examination of human false joints (author's transl)] Rohe K, et al. **Z Orthop** 1980 Dec; 118(6):958–67 (Eng. Abstr.) **(Ger)**

[Connective tissue in non-union and pseudarthrosis of long bones. Part I: Capsule of false joints in dogs (author's transl)] Rohe K, et al. **Z Orthop** 1980 Dec;118(6):937–49 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

[Vascularization of experimental 'loose' pseudarthroses] Giul'nazarova SV, et al. **Ortop Travmatol Protez** 1980 Dec; (12):22–6 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Pseudarthrosis at the first sternocostal synchondrosis. Brower AC, et al. **AJR** 1980 Dec;135(6):1276–7

The detection of spinal pseudarthrosis in ankylosing spondylitis. Park WM, et al. **Br J Radiol** 1981 Jun; 54(642):467–72

[X-ray manifestations of the degenerative and dystrophic process in pseudarthroses of the extremities] Novikov VP. **Vestn Rentgenol Radiol** 1980 Nov–Dec;(6):47–52 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Focal spinal abnormalities on bone scans in ankylosing spondylitis: a clue to the presence of fracture or pseudarthrosis. Resnick D, et al. **Clin Nucl Med** 1981 May; 6(5).213–7

SURGERY

A new intramedullary compression device for fractures and pseudarthroses of the long bones. A preliminary report. Derweduwen J. **Acta Orthop Belg** 1979;45(6):659–65

The treatment of infected pseudarthrosis. Borroni M, et al. **Ital J Orthop Traumatol** 1978 Dec;4(3):315–33

Osteosynthesis with Rush's double nail by the 'Eiffel Tower' method in pseudarthrosis impacted in good position and retarded union. Zinghi GF, et al. **Ital J Orthop Traumatol** 1980 Apr;6(1):85–95

Treatment of tibial osteomyelitic defects and infected pseudarthroses by the Huntington fibular transference operation. Agiza AR. **J Bone Joint Surg [Am]** 1981 Jun; 63A(5):814–9

[A new treatment for congenital tibial pseudoarthrosis---free fibula graft with microvascular anastomosis: a preliminary report of 12 cases (author's transl)] Cheng ZW. **Chung Hua Wai Ko Tsa Chih** 1979;17(3):147–50 **(Chi)**

[The surgical treatment of pseudoarthroses and congenital curvatures of the leg. Review of the literature on the basis of 7 personal cases (author's transl)] Lerat JL, et al. **Chir Pediatr** 1980;21(1):77–88 (23 ref.) (Eng. Abstr.) **(Fre)**

[Results of compression-distraction osteosynthesis using W. Kalnbers' apparatus in the management of pseudarthroses of the tibia] Kalnbers W, et al. **Beitr Orthop Traumatol** 1980 Dec;27(12):694–7 (Eng. Abstr.) **(Ger)**

[Results of screw fixation of the scaphoid pseudarthrosis] Spier W, et al. **Handchirurgie** 1979;11(3–4):227–32 (Eng. Abstr.) **(Ger)**

[Treatment of pseudarthroses with the minifixateur externe] Asche G, et al. **Hefte Unfallheilkd** 1980;(141):270–8 **(Ger)**

[Pseudarthroses of the middle hand and fingers] Narr H. **Hefte Unfallheilkd** 1980;(141):189–90 **(Ger)**

[Pseudarthroses of the finger and middle hand bones] Schwarz N, et al. **Hefte Unfallheilkd** 1980;(141):180–8 **(Ger)**

[Cortico-cancellous grafts in infected defect-pseudarthrosis] Plank E, et al. **Helv Chir Acta** 1980 Jun;47(1–2):171–5 (Eng. Abstr.) **(Ger)**

[Partial replacement of the scaphoid bone with a silicone rubber prosthesis in a necrotic fragment] Feldmeier C, et al. **MMW** 1981 Jul 3;123(27):1117–8 **(Ger)**

[Composite graft of bone and skin in treating a large defect of bone and skin of the lower leg (author's transl)] Galle P, et al. **Unfallchirurgie** 1981;7(3):166–8 **(Ger)**

[Treatment of infected long defect-pseudarthrosis of the tibia (author's transl)] Hagemann H, et al. **Unfallheilkunde** 1981 Jun;84(6):240–5 (Eng. Abstr.) **(Ger)**

[Fibula-pro-tibia surgery in the treatment of infected pseudarthrosis of the tibia] Paul D, et al. **Zentralbl Chir** 1981;106(4):248–54 **(Ger)**

[Our experience in the treatment of septic pseudarthrosis. Recent advances and technical details] Bonacina P, et al. **Chir Ital** 1980 Aug;32(4 Suppl):156–61 (Eng. Abstr.) **(Ita)**

[Therapeutic management of fracture-induced osteitis] Denischi A, et al. **Rev Chir [Chir]** 1981 May–Jun; 30(3):199–205 (Eng. Abstr.) **(Rum)**

[Deficiencies in the metal osteosynthesis of the long bones] Rozhinskiĭ MM, et al. **Khirurgiia (Mosk)** 1981 Jun;(6):79–80 **(Rus)**

[Closed osteosynthesis in ununited fractures and pseudarthroses of the internal malleolus] Edinak AN. **Ortop Travmatol Protez** 1980 Oct;(10):60–1 **(Rus)**

[Remote results of reconstructive surgery of invalids with the sequelae of crural bone fractures] Iaremenko DA, et al. **Ortop Travmatol Protez** 1980 Dec;(12):38–41 (Eng. Abstr.) **(Rus)**

[Method of surgical treatment of femur neck pseudarthroses] Segizbaev AU, et al. **Ortop Travmatol Protez** 1980 Aug; (8):66–7 **(Rus)**

[Reconstructive operations in pseudarthroses of the femur neck] Stamatin SI, et al. **Ortop Travmatol Protez** 1980 Aug; (8):21–4 **(Rus)**

[Pseudarthroses of the clavicle in children and adolescents and their treatment] Veselovskiĭ IuA. **Ortop Travmatol Protez** 1980 Oct;(10):44–5 **(Rus)**

[Treatment of patellar pseudarthroses] Gaĭdukov VM. **Vestn Khir** 1981 Feb;126(2):103–4 **(Rus)**

[Osteosynthesis with metal compression plates in fresh and ununited fractures, pseudarthroses and bone defects of the forearm] Gol'dman BL, et al. **Vestn Khir** 1981;126(5):113–7 (Eng. Abstr.) **(Rus)**

THERAPY

Bilateral pseudarthrosis of the clavicles. Hargan B, et al. **Injury** 1981 Jan;12(4):316–8

The biological aspect, on the treatment (without compression) of the infected diaphyseal pseudoarthrosis. Chaves D. **Nippon Seikeigeka Gakkai Zasshi** 1980 Sep; 54(9):1024–5

[Suppurative pseudarthrosis treated by closed, irrigated corticospongious grafts. New technique derived from Papineau's procedure (author's transl)] Kipfer M. **Nouv Presse Med** 1980 Mar 12;9(17):1235–8 (Eng. Abstr.) **(Fre)**

[Acceleration of repair of non-unions by electromagnetic fields (author's transl)] Sedel L, et al. **Rev Chir Orthop** 1981;67(1):11–23 (Eng. Abstr.) **(Fre)**

[Galvanic current. Its use in the consolidation of fractures] de Carvalho AM, et al. **AMB** 1980 Jul;26(7):226–8 (Eng. Abstr.) **(Por)**

[Biomechanical principles of Ilizarov's treatment of rigid pseudarthroses of the coxa and crus with angular displacement of the fragments] Desiatnik EG, et al. **Ortop Travmatol Protez** 1981;(5):8–13 (Eng. Abstr.) **(Rus)**

[Effect of a permanent magnetic field on the course of the postoperative period and consolidation of ununited fractures and pseudarthroses of the long tubular bones] Savel'ev VN, et al. **Ortop Travmatol Protez** 1980 Aug; (8):5–7 (Eng. Abstr.) **(Rus)**

VETERINARY

[Nearthrosis, pseudarthrosis and 'delayed union' (author's transl)] Boom J, et al. **Tijdschr Diergeneeskd** 1981 Feb 1; 106(3):128–35 **(Dut)**

PSEUDO-HURLER POLYDYSTROPHY see **MUCOLIPIDOSIS**

PSEUDOCHOLINESTERASE see under **CHOLINESTERASES**

PSEUDOCYESIS see **PSEUDOPREGNANCY**

PSEUDODEMENTIA see **FACTITIOUS DISORDERS**

PSEUDOEPHEDRINE see **EPHEDRINE**

PSEUDOGLOBULINS see **SERUM GLOBULINS**

PSEUDOGOUT see **CHONDROCALCINOSIS**

PSEUDOHERMAPHRODITISM

Male pseudohermaphroditism. Migeon CJ. **Ann Endocrinol (Paris)** 1980;41(4):311–43 (104 ref.)

[Male pseudohermaphroditism. State and present problems (author's transl)] Jambart S, et al. **Sem Hop Paris** 1981 Apr 8–15;57(13–14):717–24 (Eng. Abstr.) **(Fre)**

BLOOD

[2 cases of female pseudohermaphroditism (infant adrenogenital syndrome)] Rolandi E, et al. **Arch Sci Med (Torino)** 1980 Jan–Mar;137(1):161–8 (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

Danazol may cause female pseudohermaphroditism. Duck SC, et al. **Fertil Steril** 1981 Feb;35(2):230–1

COMPLICATIONS

Female pseudohermaphroditism and associated anomalies. Lubinsky MS. **Am J Med Genet** 1980;6(2):123–36 (64 ref.)

Female pseudohermaphroditism in conjoined twins. Case report. Lawson GW. **Br J Obstet Gynaecol** 1980 Dec; 87(12):1166–8

The influence of neonatal orchiopexy upon the testis in persistent Müllerian duct syndrome. Melman A, et al. **J Urol** 1981 Jun;125(6):856–8

[Smith–Lemli–Opitz syndrome with male pseudohermaphroditism. A case report with endocrinological study (author's transl)] Retbi JM, et al. **Ann Pediatr (Paris)** 1981 Jan;28(1):55–8 (Eng. Abstr.) **(Fre)**

[Germ cell tumour and pseudohermaphroditism. Histological and cytogenetic study (author's transl)] Lefebvre P, et al. **Sem Hop Paris** 1980 Sept 8–15;56(29–32):1271–5 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

XY gonadal dysgenesis in three siblings. Phansey SA, et al. **Am J Obstet Gynecol** 1980 Sep 15;138(2):133–8

ENZYMOLOGY

Male pseudohermaphroditism with 17 alpha-hydroxylase deficiency [letter] Scott JS. **Br J Obstet Gynaecol** 1981 Jun;88(6):688

[A case of 17 alpha-hydroxylase deficiency with male pseudohermaphroditism (author's transl)] Taura K, et al. **Nippon Naibunpi Gakkai Zasshi** 1980 Jun 20;56(6):843–54 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Pseudo-hermaphrodisme féminin. Etiologie et physiopathologie. Rappaport R, et al. **Ann Endocrinol (Paris)** 1980;41(4):345–53

Male pseudohermaphroditism secondary to an abnormality in Leydig cell differentiation. Schwartz M, et al. **J Clin Endocrinol Metab** 1981 Jul;53(1):123–7

Gonadoblastoma in dysgenetic testis causing male pseudohermaphroditism in newborn. Hung W, et al. **Urology** 1981 Jun;17(6):584–7

[Cardiovascular complications in a case of male pseudohermaphroditism caused by 17-alpha-hydroxylase deficiency] Lo Cicero G, et al. **Ann Ostet Ginecol Med Perinat** 1980 May–Jun; 101(3):209–16 (Eng. Abstr.) **(Ita)**

FAMILIAL & GENETIC

Immunogenetics of sex determination of the polled goat. Shalev A, et al. **Cytogenet Cell Genet** 1980;28(3):195–202

Aniridia, male pseudohermaphroditism, gonadoblastoma, mental retardation, and del 11p13. Turleau C, et al. **Hum Genet** 1981;57(3):300–6

[Male pseudohermaphroditism in 2 siblings] Karkowski M. **Pediatr Pol** 1981;56(4):443–5 **(Pol)**

IMMUNOLOGY

H-Y antigen negative patients with testicular tissue and 46,XY karyotype. Haseltine FP, et al. **Hum Genet** 1981; 57(3):265–8

METABOLISM

Male pseudohermaphroditism with 17 alpha-hydroxylase deficiency. A case report. Abad L, et al. **Br J Obstet Gynaecol** 1980 Dec;87(12):1162–5

PHYSIOPATHOLOGY

The clinical and endocrine evaluation of a pubertal boy with incomplete male pseudohermaphroditism type 1. Viinikka L, et al. **Ann Clin Res** 1981 Feb;13(1):34–8

Testicular function in prepubertal male pseudohermaphroditism. Campo S, et al. **Clin Endocrinol (Oxf)** 1981 Jan;14(1):11–22

[Human sex skin fibroblast cultures : a useful tool for diagnosis of male pseudohermaphroditism due to target organ unresponsiveness to androgens (author's transl)] Sultan C, et al. **Ann Endocrinol (Paris)** 1980;41(4):305–10 (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

Post-pubertal female psychosexual orientation in incomplete male pseudohermaphroditism type 2 (5 alpha-reductase deficiency). Cantú JM, et al. **Acta Endocrinol (Copenh)** 1980 Jun;94(2):273–9

SURGERY

Clitoridectomia cum neoplastica labiorum minorum et plastica vestibuli vaginae. Hořejší J, et al. **Acta Chir Plast (Prague)** 1981;23(1):18–26

Surgical treatment of intersex. Altwein JE. **Monogr Paediatr** 1981;12:62–79

[Reparative surgery for female pseudohermaphroditism. Apropos of a case] Fiquet JM, et al. **J Urol (Paris)** 1980; 86(7):572–4 **(Fre)**

[Sex reversal in a case of male pseudohermaphroditism (Reifenstein syndrome)] Lodovici O, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1980 Oct;35(5):243–6 (Eng. Abstr.) **(Por)**

VETERINARY

A pseudohermaphrodite XY/XO mosaic Pseudomys australis (Rodentia: Muroidae). Breed WG, et al. **J Mammal** 1980 Aug;61(3):537–9

Phenotypic intersex (female pseudohermaphroditism) in a dachshund dog. Weaver AD, et al. **Vet Rec** 1979 Sep 8; 105(10):230–2

PSEUDOHYPOPARATHYROIDISM

BLOOD

Prolactin and calcitonin responses to parathyroid hormone infusion in hypoparathyroid, pseudohypoparathyroid, and normal subjects. Brickman AS, et al. **J Clin Endocrinol Metab** 1981 Sep;53(3):661–4

Deficient activity of receptor-cyclase coupling protein in platelets of patients with pseudohypoparathyroidism. Farfel Z, et al. **J Clin Endocrinol Metab** 1980 Nov;51(5):1202–4

Deficient prolactin response to parathyroid hormone in hypocalcemic and normocalcemic pseudohypoparathyroidism. Kruse K, et al. **J Clin Endocrinol Metab** 1981 Jun;52(6):1099–105

Altered dopaminergic modulation of prolactin and aldosterone secretion in pseudohypoparathyroidism. Sowers JR, et al. **J Clin Endocrinol Metab** 1981 May; 52(5):914–8

Demonstration of a lack of change in serum 1 alpha,25-dihydroxyvitamin D in response to parathyroid extract in pseudohypoparathyroidism. Lambert PW, et al. **J Clin Invest** 1980 Oct;66(4):782–91

[Physiopathological aspects of the parathyroid hormone and calcitonin in childhood] Tanas R, et al. **Minerva Pediatr** 1979 Dec 15;31(23):1669–76 (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

Cardiac failure in pseudohypoparathyroidism [letter] Miano A, et al. **Helv Paediatr Acta** 1981;36(2):191–2

COMPLICATIONS

Pseudotumor cerebri in pseudohypoparathyroidism. Asplund J. **Acta Med Scand** 1980;208(4):331–2

Transient neonatal hyperparathyroidism secondary to maternal pseudohypoparathyroidism. Glass EJ, et al. **Arch Dis Child** 1981 Jul;56(7):565–8

Secondary hyperparathyroidism with 1,25-dihydroxyvitamin D deficiency and pseudohypoparathyroidism in childhood: relationship between plasma 1,25-dihydroxyvitamin D and parathyroid hormone levels and urinary cyclic AMP response to exogenous PTH. Seino Y, et al. **Eur J Pediatr** 1981 Feb;135(3):267–71

Nature and frequency of dental changes in idiopathic hypoparathyroidism and pseudohypoparathyroidism. Jensen SB, et al. **Scand J Dent Res** 1981 Feb;89(1):26–37

[Pseudohypoparathyroidism associated with hypokalemia. A case report] Pokahr A, et al. **Med Welt** 1980 Jul 4; 31(27):1033–7 **(Ger)**

[A case of pseudohypoparathyroidism associated with remarkable intracranial calcification (author's transl)] Arisaka O, et al. **Horumon To Rinsho** 1981 Feb;29(2):151–4 **(Jpn)**

DIAGNOSIS

Pseudohypoparathyroidism presenting with rickets. Wilson JD, et al. **J Clin Endocrinol Metab** 1980 Nov;51(5):1184–9

Parathyroid hormone, phosphate and the kidney. Kleerekoper M, et al. **Prog Biochem Pharmacol** 1980; 17:190–8

[Pseudohypoparathyroidism. Recent diagnostic aspects] Illum F, et al. **Ugeskr Laeger** 1980 Sep 29;142(40):2606–10 (Eng. Abstr.) **(Dan)**

[Pseudohypoparathyroidism. Receptor on human lymphocytes (author's transl)] Ishida M, et al. **Horumon To Rinsho** 1981 Feb;29(2):165–7 **(Jpn)**

DRUG THERAPY

[Kidney and osseous responsiveness to PTH in a case of pseudohypoparathyroidism (author's transl)] Quesada JM, et al. **An Esp Pediatr** 1981 Mar;14(3):183–8 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Familial pseudohypoparathyroidism without somatic anomalies. Winter JS, et al. **Can Med Assoc J** 1980 Jul 5;123(1):26–31

Familial pseudohypoparathyroidism presenting in adult life. Hamilton DV. **J R Soc Med** 1980 Oct;73(10):724–6

Pseudohypoparathyroidism: inheritance of deficient receptor-cyclase coupling activity. Farfel Z, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):3098–102

METABOLISM

Effect of parathyroid hormone on 1,25-dihydroxyvitamin D formation in type I pseudohypoparathyroidism. Aksnes L, et al. **J Clin Endocrinol Metab** 1980 Dec;51(6):1223–6

Fibroblast defect in pseudohypoparathyroidism, type I: reduced activity of receptor-cyclase coupling protein. Bourne HR, et al. **J Clin Endocrinol Metab** 1981 Sep; 53(3):636–40

[1,25-dihydroxyvitamin D3 synthesis in pseudohypoparathyroidism (author's transl)] Yamaoka K, et al. **Horumon To Rinsho** 1981 Feb;29(2):155–8 (24 ref.) **(Jpn)**

[Calcium absorption in the digestive tract and calcium-phosphate metabolism in pseudohypoparathyroidism] Sawicki A, et al. **Pol Arch Med Wewn** 1980 May;63(5):449–56 (Eng. Abstr.) **(Pol)**

OCCURRENCE

['Hormone receptor diseases' in Japan: A nation-wide survey for testicular feminization syndrome, pseudohypoparathyroidism, nephrogenic diabetes insipidus, Bartter's syndrome and congenital adrenocortical unresponsiveness to ACTH (author's trans)] Imura H, et al. **Nippon Naibunpi Gakkai Zasshi** 1980 Aug 20; 56(8):1031–49 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Lack of response of 1,25-dihydroxycholecalciferol to exogenous parathyroid hormone in a patient with treated pseudohypoparathyroidism. Braun JJ, et al. **Clin Endocrinol (Oxf)** 1981 Apr;14(4):403–7

Multiple abnormalities of anterior pituitary hormone secretion in association with pseudohypoparathyroidism. Shapiro MS, et al. **J Clin Endocrinol Metab** 1980 Sep; 51(3):483–7

Parathyroid hormone and the kidney in pseudohypoparathyroidism. Avioli LV. **Prog Biochem Pharmacol** 1980;17:199–203

[A case of pseudohypoparathyroidism (author's transl)] Yasuda T, et al. **Horumon To Rinsho** 1981 Feb;29(2):207–10 **(Jpn)**

RADIOGRAPHY

Pseudohypoparathyroidism presenting as renal osteodystrophy. Hall FM, et al. **Skeletal Radiol** 1981; 6(1):43–6

PSEUDOISOCYANINE see under **QUINOLINES**

PSEUDOMONADACEAE

ANALYSIS

Recent studies on The chlorobium chlorophylls (bacteriochlorophylls-C). Smith KM, et al. **Int J Biochem** 1980;12(5–6):695–700

CLASSIFICATION

Variable enzymological patterning in tyrosine biosynthesis as a means of determining natural relatedness among the Pseudomonadaceae. Byng GS, et al. **J Bacteriol** 1980 Oct; 144(1):247–57

Comparative allostery of 3-deoxy-D-arabino-heptulosonate 7-phosphate synthetase as an indicator of taxonomic relatedness in pseudomonad genera. Whitaker RJ, et al. **J Bacteriol** 1981 Feb;145(2):752–9

ENZYMOLOGY

D-fructose dehydrogenase of Gluconobacter industrius: purification, characterization, and application to enzymatic microdetermination of D-fructose. Ameyama M, et al. **J Bacteriol** 1981 Feb;145(2):814–23

Diverse enzymological patterns of phenylalanine biosynthesis in pseudomonads are conserved in parallel with deoxyribonucleic acid homology groupings. Whitaker RJ, et al. **J Bacteriol** 1981 Aug;147(2):526–34

GENETICS

Isolation of mutants of Caulobacter crescentus deficient in ATP-dependent deoxyribonuclease activity. Markiewicz Z, et al. **Acta Microbiol Pol** 1980;29(2):145–50

GROWTH & DEVELOPMENT

Growth characteristics af low Na+ concentration and the stability of the Na+ requirement of a marine bacterium. Gow JA, et al. **Can J Microbiol** 1981 Mar;27(3):350–7

Effect of growth at low Na+ concentrations on the capacity of a marine bacterium to establish ion gradients and transport alpha-aminoisobutyric acid. Gow JA, et al. **Can J Microbiol** 1981 Mar;27(3):358–63

ISOLATION & PURIFICATION

Gluconobacters from honey bees. Lambert B, et al. **Antonie Van Leeuwenhoek** 1981;47(2):147–57

METABOLISM

Nutritional requirements and biochemical activities of

pineapple pink disease bacterial strains from Hawaii. Cho JJ, et al. **Antonie Van Leeuwenhoek** 1980;46(2):191–204

Level of methionine synthase activity and interconversion of methylcobalamin and adenosylcobalamin in a facultative methylotroph, Protaminobacter ruber. Sato K, et al. **J Nutr Sci Vitaminol (Tokyo)** 1980;26(6):557–69

[Study of the pathways regulating the biosynthesis of Gluconobacter oxydans levansucrase] Elisashvili VI. **Mikrobiologiia** 1981 Jan–Feb;50(1):96–101 (Eng. Abstr.) **(Rus)**

PSEUDOMONAS

Synergistic interaction in vitro with use of three antibiotics simultaneously against Pseudomonas maltophilia. Yu VL, et al. **J Infect Dis** 1980 Oct;142(4):602–7

Semiconservative synthesis of single-stranded RNA by bacteriophage phi 6 RNA polymerase. Van Etten JL, et al. **J Virol** 1980 Feb;33(2):769–73

Tumor-necrotizing serum production by administration of BCG + Pseudomonas: its application in treatment of fibrosarcoma in mice. Kiger N, et al. **Recent Results Cancer Res** 1980;75:220–5

ANALYSIS

Fatty acid composition of the lipids of Pseudomonas mildenbergii. Presence of a fatty acid containing two conjugated double bonds. Roussel J, et al. **Biochim Biophys Acta** 1980 Sep 8;619(3):689–92

Unique aspects of the cell surface polysaccharide of Pseudomonas phaseolicola as demonstrated by bacteriophage specificity. Anderson AJ. **Can J Microbiol** 1980 Dec;26(12):1422–7

Multiparameter appraoch to the 'fingerprinting' of fluorescent Pseudomonads. Shelly DC, et al. **Clin Chem** 1980 Sep;26(10):1419–24

ESR studies on the membrane properties of a moderately halophilic bacterium. II. Effect of extreme growth conditions on liposome properties. Hara H, et al. **J Biochem (Tokyo)** 1980 Nov;88(5):1275–82

ESR studies on the membrane properties of a moderately halophilic bacterium. I. Physical properties of lipid bilayers in whole cells. Hyono A, et al. **J Biochem (Tokyo)** 1980 Nov;88(5):1267–74

Characterization and comparison of the DNAs of the three closely related bacteriophages gd, ge and gf with the genome DNA of the hydrogen-oxidizing host strain Pseudomonas pseudoflava GA3. Auling G, et al. **J Gen Virol** 1980 Jul;49(1):51–9

[Ir spectra of the carbohydrate-containing substances isolated from Pseudomanas syringae cell membrane] Varbanets LD, et al. **Mikrobiol Zh** 1980 Jul–Aug;42(4):411–4 **(Rus)**

CLASSIFICATION

Inability of the API-20E system to speciate the fluorescent group of pseudomonads. Woolfrey BF, et al. **Am J Clin Pathol** 1981 Feb;75(2):211–3

Effect of different growth conditions on the discrimination of three bacteria by pyrolysis gas–liquid chromatography. Gutteridge CS, et al. **Appl Environ Microbiol** 1980 Sep; 40(3):462–5

Pyrolysis gas chromatography of Pseudomonas and Acinetobacter species. French GL, et al. **J Appl Bacteriol** 1980 Dec;49(3):505–16

Cultural and biochemical characteristics of clinical isolates of unusual colistin-resistant pseudomonads. Oberhofer TR. **J Clin Microbiol** 1980 Aug;12(2):156–60

A study of the Va-1 group of pseudomonads and its relationship to Pseudomonas pickettii. Pickett MJ, et al. **J Gen Microbiol** 1980 Oct;120(Pt 2):439–46

Discrimination of micro-organisms using direct probe mass spectrometry. Puckey DJ, et al. **J Gen Microbiol** 1980 Jun; 118(2):535–8

Lipid composition and chemotaxonomy of Pseudomonas putrefaciens (Alteromonas putrefaciens). Wilkinson SG, et al. **J Gen Microbiol** 1980 Jun;118(2):329–41

Comparison of four methods for identification of gram-negative non-fermenters: organisms less commonly encountered in clinical specimens. Appelbaum PC, et al. **Med Microbiol Immunol (Berl)** 1981;169(3):163–8

[Phenotype characteristics of 100 strains of Pseudomonas cepacia. Proposition of a biovars classification (author's transl)] Richard C, et al. **Ann Biol Clin (Paris)** 1981; 39(1):9–15 (Eng. Abstr.) **(Fre)**

[Adansonian classification and identification of psychrotrophic 'Pseudomonas' from raw milk held at low temperature (author's transl)] Richard J. **Ann Microbiol (Paris)** 1981 Mar–Apr;132(2):171–82 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Anti-Pseudomonas activity in bronchial secretions of patients receiving amikacin or tobramycin as a continuous infusion. Mombelli G, et al. **Antimicrob Agents Chemother** 1981 Jan; 19(1):72–5

Comparison of in vitro activities of eight beta-lactamase-stable cephalosporins against beta-lactamase-producing gram-negative bacilli. Verbist L. **Antimicrob Agents Chemother** 1981 Mar;19(3):407–13

Effects of certain cadmium species on pure and litter populations of microorganisms. Lighthart B. **Antonie Van Leeuwenhoek** 1980;46(2):161–7

Bacterial effect of hydrogen peroxide on urinary tract pathogens. Schaeffer AJ, et al. **Appl Environ Microbiol** 1980 Aug;40(2):337–40

Degradative plasmid TOL provided singlet oxygen resistance for Pseudomonas strains. Yano K, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1245–50

The influence of temperature on the growth inhibitory effect of carbon dioxide on Pseudomonas fragi and Bacillus cereus. Enfors SO, et al. **Can J Microbiol** 1981 Jan; 27(1):15–9

Electron microscope study of the effect of benzalkonium, chlorhexidine and polymyxin on Pseudomonas cepacia. Richards RM, et al. **Microbios** 1981;29(115):23–31

Evaluation of netilmicin susceptibility discs using bacteria with known aminoglycoside resistance patterns: correlation of in vitro and in vivo test results. Waitz JA, et al. **Scand J Infect Dis [Suppl]** 1980;Suppl 23:62–72

Influence of D,L-ureidosuccinic acid dihydrazide on some biological properties of Pseudomonas pseudomallei and of Salmonella typhimurium. Veljanov D, et al. **Zentralbl Bakteriol [A]** 1980 Jun;247(1):64–70

[Bacteriological studies in vitro on cefsulodin, a new cephalosporin active against Pseudomonas (author's transl)] Grimm H. **Arzneimittelforsch** 1980;30(9):1478–80 (Eng. Abstr.) **(Ger)**

[In vitro activity of fosfomycin] Ceruti T, et al. **Arch Sci Med (Torino)** 1980 Apr–Jun;137(2):221–4 (Eng. Abstr.) **(Ita)**

[The role of amikacin in conditions requiring chemotherapy with aminoglycoside antibiotics] Mazzei T, et al. **G Ital Chemioter** 1979 Jan–Dec;26(1–2):397–406 **(Ita)**

[Non-fermentative gram-negative bacilli: their distribution to clinical materials and antibiotic susceptibility (author's transl)] Akalin HE, et al. **Mikrobiyol Bul** 1980 Jan; 14(1):21–6 (Eng. Abstr.) **(Tur)**

ENZYMOLOGY

Purification and properties of a new beta-lactamase from Pseudomonas cepacia. Hirai K, et al. **Antimicrob Agents Chemother** 1980 Mar;17(3):355–8

False-negative oxidase reaction as a result of medium acidification. Havelaar AH, et al. **Antonie Van Leeuwenhoek** 1980;46(4):301–12

Purification and characterization of polyethylene glycol dehydrogenase involved in the bacterial metabolism of polyethylene glycol. Kawai F, et al. **Appl Environ Microbiol** 1980 Oct;40(4):701–5

Inhibition of catechol 2,3-dioxygenase from Pseudomonas putida by 3-chlorocatechol. Klečka GM, et al. **Appl Environ Microbiol** 1981 May;41(5):1159–65

The conformation of catalytically functional Schiff's bases: the pyruvate--lysine ketimine of 2-keto-3-deoxygluconate-6-phosphate aldolase of Pseudomonas putida. Meloche HP, et al. **Arch Biochem Biophys** 1980 Sep;203(2):702–6

Irreversible active-site-directed inhibition of delta 5-3-ketosteroid isomerase by steroidal 17-beta-oxiranes. Evidence for two modes of binding in steroid-enzyme complexes. Bevins CL, et al. **Biochem Biophys Res Commun** 1980 Aug 14;95(3):1131–7

Antibodies to Pseudomonas testosteroni 3-oxosteroid delta 4-delta 5-isomerase. Ferrez M, et al. **Biochem Biophys Res Commun** 1980 Aug 14;95(3):1238–44

Isolation of two lipoamide dehydrogenases from Pseudomonas putida grown on valine. Sokatch JR. **Biochem Biophys Res Commun** 1981 Jun 16;100(3):1071–6

Synthesis of D-cysteine from 3-chloro-D-alanine and hydrogen sulfide by 3-chloro-D-alanine hydrogen chloride-lyase (deaminating) of Pseudomonas putida. Yamada H, et al. **Biochem Biophys Res Commun** 1981 Jun 16;100(3):1104–10

Further studies on the substrate specificity and inhibition of the stereospecific CS2 secondary alkylsulphohydrolase of Comamonas terrigena. Barrett CH, et al. **Biochem J** 1980 Nov 1;191(2):467–73

The interaction between methanol dehydrogenase and the autoreducible cytochromes c of the facultative methylotroph Pseudomonas AM1. O'Keeffe DT, et al. **Biochem J** 1980 Aug 15;190(2):481–4

The two cytochromes c in the facultative methylotroph Pseudomonas am1. O'Keeffe DT, et al. **Biochem J** 1980 Nov 15;192(2):411–9

Carbon-13 nuclear magnetic resonance studies of mandelate metabolism in whole bacterial cells and in isolated, in vivo cross-linked enzyme complexes. Halpin RA, et al. **Biochemistry** 1981 Mar 17;20(6):1525–33

8 alpha-(O-Tyrosyl)flavin adenine dinucleotide, the prosthetic group of bacterial p-cresol methylhydroxylase. McIntire W, et al. **Biochemistry** 1981 May 26; 20(11):3068–75

Substrate-mediated inactivation of urocanase from Pseudomonas putida. Evidence for an essential sulfhydryl group. Matherly LH, et al. **Biochemistry** 1980 Dec 9; 19(25):5814–8

Studies on cyclopropane fatty acid synthesis. Effect of carbon source and oxygen tension on cyclopropane fatty acid synthetase activity in Pseudomonas denitrificans. Jacques NA, et al. **Biochim Biophys Acta** 1980 Sep 8;619(3):453–70

Mechanism of salicylate hydroxylase-catalyzed decarboxylation. Suzuki K, et al. **Biochim Biophys Acta** 1981 Feb 13;657(2):530–4

Purification and some properties of halophilic protease produced by a moderately halophilic marine Pseudomonas sp. Duong Van Qua, et al. **Can J Microbiol** 1981 May; 27(5):505–10

Regulation of primary alkylsulfatase induction in Pseudomonas C12B: concentration-dependent stimulation-inhibition by exogenous UTP and sodium acetate and inhibition by 1-hexanol. Fitzgerald JW, et al. **Can J Microbiol** 1980 Nov;26(11):1348–55

Preparation from keratin sulfate of substrates for the measurement of 2-acetamido-2-deoxy-D-glucose 6-sulfate sulfatase and (1 goes to 3)-N-acetyl-beta-D-glucosaminidase. Toma S, et al. **Carbohydr Res** 1981 Jan 15;88(1):93–105

Neocarratetraose 4-O-monosulphate beta-hydrolase from Pseudomonas carrageenovora. McLean MW, et al. **Eur J Biochem** 1981 Jan;113(3):447–56

Enzymological aspects of caffeine demethylation and formaldehyde oxidation by Pseudomonas putida C1. Hohnloser W, et al. **Hoppe Seylers Z Physiol Chem** 1980 Dec;361(12):1763–6

Deacetylation of PS-5, a new beta-lactam compound. II. Separation and purification of L- and D-amino acid acylases from Pseudomonas sp. 1158. Kubo K, et al. **J Antibiot (Tokyo)** 1980 Jun;33(6):550–5

Deacetylation of PS-5, a new beta-lactam compound. III. Enzymological characterization of L-amino acid acylase and D-amino acid acylase from Pseudomonas sp. 1158. Kubo K, et al. **J Antibiot (Tokyo)** 1980 Jun;33(6):556–65

Arylsulfatase from Pseudomonas sp. strain C12B: purification to homogeneity, immunological analysis, and physical properties. George JR, et al. **J Bacteriol** 1981 Mar; 145(3):1428–31

Stimulation of bacterial arylsulfatase activity by arylamines: evidence for substrate activation. George JR, et al. **J Bacteriol** 1981 Jul;147(1):69–74

Glutamine synthetase of pseudomonads: some biochemical and physicochemical properties. Meyer JM, et al. **J Bacteriol** 1981 May;146(2):705–12

Naphthalene metabolism by pseudomonads: purification and properties of 1,2-dihydroxynaphthalene oxygenase. Patel TR, et al. **J Bacteriol** 1980 Aug;143(2):668–73

Cyclic adenosine 3',5'-monophosphate levels in Pseudomonas putida and Pseudomonas aeruginosa during induction and carbon catabolite repression of histidase synthesis. Phillips AT, et al. **J Bacteriol** 1981 Mar;145(3):1286–92

Role of nucleases in the isolation of plasmid deoxyribonucleic acid from Pseudomonas cepacia 4G9. Williams JA, et al. **J Bacteriol** 1980 Aug;143(2):1057–9

Methylamine dehydrogenases of Methylomonas J and Pseudomonas AM1. Hybridization of light and heavy subunits and some properties of an isolated hybrid enzyme. Matsumoto T, et al. **J Biochem (Tokyo)** 1980 Oct; 88(4):1097–102

Cadmium, chromium, and manganese replacement for iron in iron-superoxide dismutase from Pseudomonas ovalis. Yamakura F, et al. **J Biochem (Tokyo)** 1980 Jul;88(1):191–6

Determination of the position of monooxygenation in the formation of catechol catalyzed by salicylate hydroxylase. Hamzah RY, et al. **J Biol Chem** 1981 Jun 25;256(12):6392–4

Half-of-the-sites reactivity in the malate thiokinase reaction. Hersh LB, et al. **J Biol Chem** 1981 Feb 25;256(4):1732–7

Enzymatic modification of tryptophan residues by tryptophan side chain oxidase I and II from Pseudomonas. Ito S, et al. **J Biol Chem** 1981 Aug 10;256(15):7834–43

Kinetic investigations on a flavoprotein oxygenase, 2-methyl-3-hydroxypyridine-5-carboxylic acid oxygenase. Kishore GM, et al. **J Biol Chem** 1981 May 10; 256(9):4228–33

Metabolism of L-beta-lysine by a Pseudomonas. Purification and properties of a deacetylase-thiolesterase utilizing 4-acetamidobutyryl CoA and related compounds. Ohsugi M, et al. **J Biol Chem** 1981 Jul 25;256(14):7642–51

Linkage of an acetylenic secosteroid suicide substrate to the active site of delta 5-3-ketosteroid isomerase. Isolation and characterization of a tetrapeptide. Penning TM, et al. **J Biol Chem** 1981 Jul 10;256(13):6851–8

Irreversible inactivation of delta 5-3-ketosteroid isomerase of Pseudomonas testosteroni by acetylenic suicide substrates. Mechanism of formation and properties of the steroid-enzyme adduct. Penning TM, et al. **J Biol Chem** 1981 Jul 10;256(13):6842–50

Purification and properties of NADH-ferredoxinTOL reductase. A component of toluene dioxygenase from Pseudomonas putida. Subramanian V, et al. **J Biol Chem** 1981 Mar 25;256(6):2723–30

Reconstitution of iron-sulfur cluster of NADH-cytochrome c reductase, a component of benzoate 1,2-dioxygenase system from Pseudomonas arvilla C-1. Yamaguchi M, et al. **J Biol Chem** 1981 Jul 10;256(13):6783–7

Evolutionarily homologous alpha 2 beta 2 oligomeric structures in beta-ketoadipate succinyl-CoA transferases from Acinetobacter calcoaceticus and Pseudomonas putida. Yeh WK, et al. **J Biol Chem** 1981 Feb 25;256(4):1565–9

Regulation of phospho-2-keto-3-deoxy-heptonate aldolase (DAHP synthase) and anthranilate synthase of Pseudomonas aureofaciens. Salcher O, et al. **J Gen Microbiol** 1980 Dec;121(Pt. 2):473–6

Membrane-bound dehydrogenases of Pseudomonas testosteroni. Watanabe M, et al. **J Steroid Biochem** 1980 Jul;13(7):821–7

Regulation of NAD+- and NADP+-linked isocitrate

dehydrogenase in the obligate methylotrophic bacterium Pseudomonas W6. Hofmann KH, et al.
Z Allg Mikrobiol 1980;20(6):399–404
[Purification and crystallization of a superoxide dismutase from Pseudomonas putida] Grunow M, et al.
Acta Biol Med Ger 1979;38(11–12):1643–6 **(Ger)**
[The role of formate dehydrogenase in serine pathway bacteria] Babel W, et al. **Z Allg Mikrobiol** 1980;20(3):167–75 **(Ger)**
[Glutamin(asparagin)ase from Pseudomonas aurantiaca BKMB–548] Lebedeva ZI, et al. **Biokhimiia** 1981 Jan; 46(1):85–91 (Eng. Abstr.) **(Rus)**
[Purification and properties of glucose–6–phosphate and 6–phosphogluconate dehydrogenases from Pseudomonas oleovorans] Sokolov AP, et al. **Biokhimiia** 1980 Aug; 45(8):1371–8 (Eng. Abstr.) **(Rus)**
[Method of selecting cholesterol esterase–producer microorganisms] Kiprianova EA, et al. **Mikrobiol Zh** 1980 Sep–Oct;42(5):658–60 (Eng. Abstr.) **(Rus)**

GENETICS

Biochemical genetics of tryptophan synthesis in Pseudomonas acidovorans. Buvinger WE, et al. **J Bacteriol** 1981 Jul; 147(1):62–8
Plasmid specifying total degradation of 3–chlorobenzoate by a modified ortho pathway. Chatterjee DK, et al.
J Bacteriol 1981 May;146(2):639–46
Involvement of plasmid deoxyribonucleic acid in indoleacetic acid synthesis in Pseudomonas savastanoi. Comai L, et al.
J Bacteriol 1980 Aug;143(2):950–7
Homologous structural genes and similar induction patterns in Azotobacter spp. and Pseudomonas spp. Durham DR, et al. **J Bacteriol** 1980 Aug;143(2):834–40
Isolation and characterization of spontaneously occurring TOL plasmid mutants of Pseudomonas putida HS1. Kunz DA, et al. **J Bacteriol** 1981 Jun;146(3):952–64
Physical and functional mapping of RP4–TOL plasmid recombinants: analysis of insertion and deletion mutants. Nakazawa T, et al. **J Bacteriol** 1980 Oct;144(1):222–31
pKJ1, a naturally occurring conjugative plasmid coding for toluene degradation and resistance to streptomycin and sulfonamides. Yano K, et al. **J Bacteriol** 1980 Aug; 143(2):552–60
Expression of the lactose transposon Tn951 in Escherichia coli, Proteus and Pseudomonas. Baumberg S, et al.
J Gen Microbiol 1980 Jul;119(1):257–62
[Plasmid characteristics of naphthalene and salicylate biodegradation in Pseudomonas putida] Zakharian RA, et al. **Mikrobiologiia** 1980 Nov–Dec;49(6):931–5 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Effect of various sources of organic carbon and high nitrite and nitrate concentrations on the selection of denitrifying bacteria. I. Stationary cultures. Błaszczyk M, et al.
Acta Microbiol Pol 1980;29(4):397–406
Effect of high concentrations of carbon dioxide on growth rate of Pseudomonas fragi, Bacillus cereus and Streptococcus cremoris. Enfors SO, et al.
J Appl Bacteriol 1980 Jun;48(3):409–16
Lectin, a possible basis for symbiosis between bacteria and sponges. Müller WE, et al. **J Bacteriol** 1981 Jan; 145(1):548–58
Bacterial fouling of a hospital closed–loop cooling system by Pseudomonas sp. du Moulin GC, et al.
J Clin Microbiol 1981 Jun;13(6):1060–5
Effect of sodium arsenate on microbial growth in a chemostat. Shariatpanahi M, et al.
J Environ Sci Health [B] 1981;16(3):283–91
[Regulation of Pseudomonas carboxydoflava growth and development by specific endogenous factors] El'–Registan GI, et al. **Mikrobiologiia** 1980 Jul–Aug;49(4):561–5 (Eng. Abstr.) **(Rus)**
[Development of hydrogen bacteria on hard surfaces] Kriukov VR. **Mikrobiologiia** 1981 Mar–Apr;50(2):299–304 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunological nonidentity of Pseudomonas paucimobilis with Pseudomonas aeruginosa and Pseudomonas cepacia. Smalley DL, et al. **J Clin Microbiol** 1980 Sep;12(3):439–41
Combination therapy for advanced malignant melanoma with BCNU, pseudomonas vaccine, and heparin. Snyder RD, et al. **J Surg Oncol** 1981;16(1):87–92
Controlled trial of Pseudomonas immunoglobulin and vaccine in burn patients. Jones RJ, et al. **Lancet** 1980 Dec 13;2(8207):1263–5
[Serological activity of the carbohydrate–containing substances in Pseudomonas syringae 8414] Varbanets LD, et al. **Mikrobiol Zh** 1980 Sep–Oct;42(5):651–3 **(Rus)**
[Antigenic structure of Pseudomonas pseudomallei] Piven' NN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Apr; (4):78–82 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Studies on the microbiological purity of Sterinol. Zaleski SJ, et al. **Acta Microbiol Pol** 1981;30(1):41–8
Long–term Pseudomonas colonization in spinal cord injury patients. Montgomerie JZ, et al. **Am J Epidemiol** 1980 Oct; 112(4):508–17
Pseudomonas denitrificans meningitis. Fischer RA, et al.
J Clin Microbiol 1981 May;13(5):1004–6
Pseudomonas pickettii bacteremia. Fujita S, et al.
J Clin Microbiol 1981 Apr;13(4):781–2
Hospital microbial environment: need for continual surveillance. Levey JM, et al. **Med J Aust** 1981 May 30; 1(11):590–2
[Isolation and study of a bacteriophage of Pseudomonas testosteroni] Talon D, et al. **C R Soc Biol (Paris)** 1980; 174(6):1072–6 (Eng. Abstr.) **(Fre)**
[On the occurrence of staphylococci and pseudomonas in swimming–pool water (author's transl)] Jentsch F, et al. **Zentralbl Bakteriol [B]** 1980;170(5–6):469–78 (Eng. Abstr.) **(Ger)**
[Bacteriology of urinary infections in paraplegics (author's transl)] Magnanelli P, et al. **Ann Sclavo** 1979 Jul–Aug; 21(4):475–82 (Eng. Abstr.) **(Ita)**
[Isolation and analysis of phage–resistant Pseudomonas putida mutants using new bacteriophages] Krylov VN, et al.
Genetika (Moskva) 1981;17(2):239–45 (Eng. Abstr.) **(Rus)**
[Pseudomonas atrofaciens, the main causative agent of spring wheat rot in the Ukrainian forest steppe] Min'ko ND, et al. **Mikrobiol Zh** 1980 Jul–Aug;42(4):415–9 **(Rus)**
[Hydrogen bacteria in gnotobionts] Moskalik RS, et al.
Mikrobiol Zh 1980 Nov–Dec;42(6):773–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Pseudomonas bacterial electrode for determination of L–histidine. Walters RR, et al. **Anal Chem** 1980 Sep; 52(11):1680–4
(1–14C) acetate assimilation by obligate methylotrophs, Pseudomonas methanica and Methylosinus trichosporium. Patel RN, et al. **Antonie Van Leeuwenhoek** 1979; 45(3):499–511
Multiple mechanisms of cytochrome P450–catalyzed substrate hydroxylations. Heimbrook DC, et al.
Biochem Biophys Res Commun 1981 Mar 31;99(2):530–5
The methanogenic biodegradation of catechol by a microbial consortium: evidence for the production of phenol through cis–benzenediol. Balba MT, et al. **Biochem Soc Trans** 1980 Aug;8(4):452–3
Electron paramagnetic resonance detectable states of cytochrome P–450cam. Lipscomb JD. **Biochemistry** 1980 Jul 22;19(15):3590–9
5–[(Hydroxymethyl)–O–pyrophosphoryl]uracil, an intermediate in the biosynthesis of alpha–putrescinylthymine in deoxyribonucleic acid of bacteriophage phi W–14. Maltman KL, et al.
Biochemistry 1981 Jun 9;20(12):3586–91
D–glucose and D–gluconate transport in vesicles from Pseudomonas putida. Al–Jobore A, et al.
Can J Biochem 1980 Dec;58(12):1397–404
Anaerobic co–oxidation of acetate and glucose by citrobacter intermedius and a species of Pseudomonas. Brosseau JD, et al. **Can J Microbiol** 1980 Dec;26(12):1503–5
Comparative immunochemical studies of cytochrome P–450CAM of Pseudomonas putida and of cytochrome P–450SCC of bovine adrenocortical mitochondria. Dus KM, et al. **Eur J Biochem** 1980 Oct;111(2):307–14
Structure and synthesis of a lipid–containing bacteriophage. Amphiphilic properties of protein IV of bacteriophage PM2. Satake H, et al. **Eur J Biochem** 1981 Mar;114(3):623–8
Hydrolysis of selected organophosphorus insecticides by two bacteria isolated from flood soil. Adhya TK, et al.
J Appl Bacteriol 1981 Feb;50(1):167–72
Assimilatory sulfur metabolism in marine microorganisms: characteristics and regulation of sulfate transport in Pseudomonas halodurans and Alteromonas luteo–violaceus. Cuhel RL, et al. **J Bacteriol** 1981 Aug;147(2):340–9
Bacterial degradation of 3,4,5–trimethoxycinnamic acid with production of methanol. Donnelly MI, et al. **J Bacteriol** 1981 Aug;147(2):471–6
Degradation of 4–chlorophenylacetic acid by a Pseudomonas species. Klages U, et al. **J Bacteriol** 1981 Apr;146(1):64–8
Catabolism of pseudocumene and 3–ethyltoluene by Pseudomonas putida (arvilla) mt–2: evidence for new functions of the TOL (pWWO) plasmid. Kunz DA, et al.
J Bacteriol 1981 Apr;146(1):179–91
Inhibition, but not uncoupling, of respiratory energy coupling of three bacterial species by nitrite. Rake JB, et al.
J Bacteriol 1980 Dec;144(3):975–82
p–Cymene pathway in Pseudomonas putida: selective enrichment of defective mutants by using halogenated substrate analogs. Wigmore GJ, et al. **J Bacteriol** 1980 Aug; 143(2):816–24
Selective enrichment of Pseudomonas spp. defective in catabolism after exposure to halogenated substrates. Wigmore GJ, et al. **J Bacteriol** 1981 Jun;146(3):920–7
Hydroxyamino acid utilization and alpha–ketobutyrate toxicity in Pseudomonas cepacia. Wong HC, et al.
J Bacteriol 1980 Oct;144(1):441–3
15N tracer studies on the role of NO in denitrification. Garber EA, et al. **J Biol Chem** 1981 Jun 10;256(11):5459–65
The kinetics of reduction of cytochrome P–450cam by reduced putidaredoxin. Hintz MJ, et al. **J Biol Chem** 1981 Jul 10;256(13):6721–8
Biological distribution and physiological role of the beta–ketoadipate transport system. Ondrako JM, et al.
J Gen Microbiol 1980 Sep;120(1):199–209
Metabolism of tryptophan by Pseudomonas aureofaciens and its relationship to pyrrolnitrin biosynthesis. Salcher O, et al. **J Gen Microbiol** 1980 Dec;121(Pt. 2):465–71
Isolation and characterization of a mutant of Pseudomonas aureofaciens ATCC 15926 with an increased capacity for synthesis of pyrrolnitrin. Salcher O, et al.
J Gen Microbiol 1980 Jun;118(2):509–13
Sulfazecin and isosulfazecin, novel beta–lactam antibiotics of bacterial origin. Imada A, et al. **Nature** 1981 Feb 12; 289(5798):590–1
Construction of haloaromatics utilising bacteria. Reineke W, et al. **Nature** 1979 Feb 1;277(5695):385–6
[Production of enterotoxins by different enteropathogenic bacteria with the aid of the rabbit ligated ileum test] Zeller H, et al. **Arch Inst Pasteur Madagascar** 1980;47(1):49–63 **(Fre)**
[Capacity of bacteria of the genus Pseudomonas for cholesterol ester hydrolysis] Smirnov VV, et al.
Mikrobiol Zh 1980 Sep–Oct;42(5):566–70 (Eng. Abstr.) **(Rus)**
[Arsenic oxidation by the heterotrophic bacteria Pseudomonas putida and Alcaligenes eutrophus] Abdrashitova SA, et al. **Mikrobiologiia** 1981 Jan–Feb; 50(1):41–5 (Eng. Abstr.) **(Rus)**
[Autotrophic arsenic oxidation by a Pseudomonas arsenitoxidans culture] Ilialetdinov AN, et al.
Mikrobiologiia 1981 Mar–Apr;50(2):197–204 (Eng. Abstr.) **(Rus)**
[Microbiological transformation of pyridine] Shevchenko AG, et al. **Mikrobiologiia** 1980 Nov–Dec;49(6):867–9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Control of microorganisms in the rhizosphere of wheat by inoculation of seeds with Pseudomonas putida and by foliar application of urea. Vraný J, et al.
Folia Microbiol (Praha) 1981;26(1):45–51
The effect of cultural procedures on the attachment to chicken breast meat. Notermans S, et al.
J Appl Bacteriol 1980 Oct;49(2):273–9
Communication processes and thermal death time in marine and soil Pseudomonas strains. Boffi V, et al.
Nuovi Ann Ig Microbiol 1979 Nov–Dec;30(6):439–47
[Infectivity of the DNA of PM–2 phage] Bobkova AF, et al. **Vopr Virusol** 1980 Jan–Feb;(1):93–5 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

[Ultrastructural organizational characteristics of the hydrogen thermophilic bacterium, Pseudomonas thermophila] Kostrikina NA, et al. **Mikrobiologiia** 1981 Mar–Apr;50(2):268–71 (Eng. Abstr.) **(Rus)**

PSEUDOMONAS AERUGINOSA

Receptor–mediated internalization of Pseudomonas toxin by mouse fibroblasts. FitzGerald D, et al. **Cell** 1980 Oct; 21(3):867–73
Production and properties of heat–stable extracellular hemolysin from Pseudomonas aeruginosa. Johnson MK, et al. **Infect Immun** 1980 Sep;29(3):1028–33
Antiphagocytic effect of Pseudomonas aeruginosa exopolysaccharide [letter] Ruhen RW, et al.
J Clin Pathol 1980 Dec;33(12):1221–2
Role of fibronectin in the prevention of adherence of Pseudomonas aeruginosa to buccal cells. Woods DE, et al. **J Infect Dis** 1981 Jun;143(6):784–90
Influence of various agents on adsorption capacity of kaolin for Pseudomonas aeruginosa toxin. Said SA, et al.
J Pharm Sci 1980 Oct;69(10):1238–9
Hypoferremic activities of endotoxic preparations of Pseudomonas aeruginosa. Hirata M, et al.
Jpn J Exp Med 1980 Apr;50(2):141–3
Complement activating property of the protein–rich endotoxin (OEP) of Pseudomonas aeruginosa. II. Complement activating property of the lipopolysaccharide portion and the inhibition by polymyxin B. Inada K.
Jpn J Exp Med 1980 Apr;50(2):107–15
Nosocomial spread of gentamicin–tobramycin resistance in hospital strains of Pseudomonas aeruginosa and Enterobacter sp. origin, development and transfer of R plasmids from pseudomonas to enterobacter. Antolová T, et al. **Zentralbl Bakteriol [A]** 1980;248(3):368–73

ANALYSIS

A new mitogenic D–galactosephilic lectin isolated from seeds of the coral–tree Erythrina corallodendron. Comparison with Glycine max (soybean) and Pseudomonas aeruginosa lectins. Gilboa–Garber N, et al. **Can J Biochem** 1981 May; 59(5):315–20
Partial characterization of Pseudomonas phage 2 receptor. Castillo FJ. **Can J Microbiol** 1980 Aug;26(8):1015–7
Pseudomonas aeruginosa outer membrane: peptidoglycan–associated proteins. Hancock RE, et al.
J Bacteriol 1981 Jan;145(1):628–31
[Possibility of detecting pyocyanine in Pseudomonas aeruginosa cells] Gusev MV, et al. **Mikrobiologiia** 1980 Jul–Aug;49(4):555–60 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Phage and serologic typing of pseudomonas aeruginosa isolated in animals. Meitert E, et al.
Arch Roum Pathol Exp Microbiol 1980 Oct–Dec;

39(4):287–99

Change in the 'O' serotype of Pseudomonas aeruginosa after lysogenisation with bacteriophages. Madhubala, et al. **Indian J Med Res** 1981 May;73:686–91

Identification of Pseudomonas aeruginosa by pyocyanin production on Tech agar. Reyes EA, et al. **J Clin Microbiol** 1981 Mar;13(3):456–8

A comparison of flagellar typing and phage typing as means of subdividing the O groups of Pseudomonas aeruginosa. Pitt TL. **J Med Microbiol** 1981 Aug;14(3):261–70

Distribution of Pseudomonas aeruginosa serotypes in Israel. Wellisch G, et al. **Microbiol Immunol** 1980;24(3):233–35

Phagovar determination of Pseudomonas aeruginosa and a comparison of the results with mitomycin C induced pyocin production. Sticht-Groh V. **Zentralbl Bakteriol [A]** 1981; 249(2):225–34

Distribution of Pseudomonas aeruginosa serotypes in bacteriologic specimens and their aminoglycoside resistance. Ullmann U, et al. **Zentralbl Bakteriol [A]** 1980; 247(2):241–7

[Typing of Pseudomonas aeruginosa from the feces of healthy and sick children. Methodological comparison between pyocin-typing, lyso-typing and serotyping] Breunung M. **Paediatr Grenzgeb** 1981;20(1–2):113–8 (Eng. Abstr.) **(Ger)**

[O-antigen determination and identification of Pseudomonas aeruginosa (author's transl)] Ansorg R. **Zentralbl Bakteriol [A]** 1980 Mar;246(2):197–203 (Eng. Abstr.) **(Ger)**

[Serological typing of strains fo Pseudomonas aeruginosa. I. Clinical and epidemiological considerations] Berti P, et al. **Ann Sclavo** 1980 Jul–Aug;22(4):698–708 **(Ita)**

[Experience in the preparation of polyvalent agglutinating sera to Pseudomonas aeruginosa] Smirnova NE, et al. **Lab Delo** 1980;(11):680–1 (Eng. Abstr.) **(Rus)**

[Pyocin production by bacillus pyocyaneus and sensitivity of strains of different origin to them] Kurnosova LM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Jul;(7):8–13 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Influence of mucoid coating on clearance of Pseudomonas aeruginosa from lungs. Blackwood LL, et al. **Infect Immun** 1981 May;32(2):443–8

DRUG EFFECTS

Studies on the mechanism of resistance of Pseudomonas aeruginosa to neomycin. II. Correlation between neomycin resistance and hemoprotein concentration. Obojska K, et al. **Acta Microbiol Pol** 1981;30(2):123–31

Performance of a commercial microdilution minimal inhibitory concentration procedure for aminoglycoside susceptibility testing of Pseudomonas aeruginosa. Etowski DC, et al. **Am J Clin Pathol** 1981 Jun;75(6):830–3

Comparison of minimum inhibitory concentration values determined by three antimicrobic dilution methods for Pseudomonas aeruginosa. Woolfrey BF, et al. **Am J Clin Pathol** 1981 Jan;75(1):39–44

An analysis of error rates for disc agar-diffusion testing of Pseudomonas aeruginosa versus aminoglycosides. Woolfrey BF, et al. **Am J Clin Pathol** 1981 Apr; 75(4):559–64

Determination of antimicrobial susceptibility of Pseudomonas aeruginosa by disk diffusion and microdilution methods. Cox HU, et al. **Am J Vet Res** 1980 Jun;41(6):906–9

Resistance of Pseudomonas aeruginosa to modern eye-banking technique. Graul EE Jr, et al. **Ann Ophthalmol** 1980 Apr;12(4):429–32

Effect of ionized calcium and soluble magnesium on the predictability of the performance of Mueller-Hinton agar susceptibility testing of Pseudomonas aeruginosa with gentamicin. Casillas E, et al. **Antimicrob Agents Chemother** 1981 Jun;19(6):987–92

Microdilution aminoglycoside susceptibility testing of Pseudomonas aeruginosa and Escherichia coli with a cation-supplemented inoculum. Cherne JE, et al. **Antimicrob Agents Chemother** 1980 Jul;18(1):210–1

Influence of inoculum size on activity of cefoperazone, cefotaxime, moxalactam, piperacillin, and N-formimidoyl thienamycin (MK0787) against Pseudomonas aeruginosa. Corrado ML, et al. **Antimicrob Agents Chemother** 1980 Dec;18(6):893–6

Heterogeneity of antibiotic resistance in mucoid isolates of Pseudomonas aeruginosa obtained from cystic fibrosis patients: role of outer membrane proteins. Irvin RT, et al. **Antimicrob Agents Chemother** 1981 Jun;19(6):1056–63

In vitro activity of N-formimidoyl thienamycin (MK0787) against resistant strains of Pseudomonas aeruginosa, Staphylococcus epidermidis, Serratia marcescens, and Enterococcus spp. Livingston WK, et al. **Antimicrob Agents Chemother** 1981 Jan;19(1):114–6

Activity of cefotaxime-aminoglycoside combinations against aminoglycoside-resistant Pseudomonas. Murray PR. **Antimicrob Agents Chemother** 1980 Mar;17(3):474–6

Minimum inhibitory and bactericidal concentrations of 44 antimicrobial agents against three standard control strains in broth with and without human serum. Reimer LG, et al. **Antimicrob Agents Chemother** 1981 Jun;19(6):1050–5

Comparative bactericidal effects of azlocillin and ticarcillin against Pseudomonas aeruginosa. White AR, et al. **Antimicrob Agents Chemother** 1980 Jul;18(1):182–9

UK31214, a new aminoglycoside and derivative of kanamycin B. Wise R, et al. **Antimicrob Agents Chemother** 1980 Mar;17(3):298–301

Penetration of beta-lactam antibiotics into their target enzymes in Pseudomonas aeruginosa: comparison of a highly sensitive mutant with its parent strain. Zimmermann W. **Antimicrob Agents Chemother** 1980 Jul;18(1):94–100

Transient loss of plasmid-mediated mercuric ion resistance after stress in Pseudomonas aeruginosa. Calcott PH. **Appl Environ Microbiol** 1981 Jun;41(6):1348–54

In vitro investigations on the action fosfomycin alone and in combination with other antibiotics on Pseudomonas aeruginosa and Serratia marcescens. Ullmann U, et al. **Arzneimittelforsch** 1980;30(8):1247–9

Cefoxitin: synergism with aminoglycosides in vitro. Une T, et al. **Arzneimittelforsch** 1981;31(5):761–4

Enhanced killing of Pseudomonas aeruginosa by human polymorphonuclear leukocytes in presence of subinhibitory concentrations of carbenicillin and ticarcillin. Petit JC, et al. **Biomedicine** 1981 Feb;34(1):29–33

Comparison of mezlocillin, piperacillin, Bay k 4999 with carbenicillin and ticarcillin against enterobacteriaceae and Pseudomonas aeruginosa. Sobel JD, et al. **Infection** 1980; 8(3):121–2

Chemotherapy with cefotaxime: how to avoid selection of Pseudomonas aeruginosa [letter] Bauernfeind A, et al. **J Antimicrob Chemother** 1980 Sep;6(5):671–2

The activity of gentamicin and N-formimidoyl thienamycin (MK 0787) on Pseudomonas aeruginosa at pH 7.4 and 7.0. Corrado ML, et al. **J Antimicrob Chemother** 1981 Jun; 7(6):677–80

A long-term study of gentamicin-resistant Pseudomonas aeruginosa in a general hospital. Duncan IB, et al. **J Antimicrob Chemother** 1981 Feb;7(2):147–55

Strain variation in the response of Pseudomonas aeruginosa to carbenicillin. Greenwood D, et al. **J Antimicrob Chemother** 1980 Sep;6(5):672–4

Synergy between cefotaxime, cefsulodin, azlocillin, mezlocillin and aminoglycosides against carbenicillin resistant or sensitive Pseudomonas aeruginosa. Perea EJ, et al. **J Antimicrob Chemother** 1980 Jul;6(4):471–7

Comparative susceptibility of Pseudomonas aeruginosa to four cephalosporins [letter] Van Klingeren B, et al. **J Antimicrob Chemother** 1980 Sep;6(5):674–6

A note on the anti-Pseudomonas activity of cephalosporins with chlorhexidine. Barnham M, et al. **J Appl Bacteriol** 1980 Oct;49(2):345–51

Inhibition of growth and uptake processes in bacteria by some chemical food preservatives. Eklund T. **J Appl Bacteriol** 1980 Jun;48(3):423–32

Outer membrane protein H1 of Pseudomonas aeruginosa: involvement in adaptive and mutational resistance to ethylenediaminetetraacetate, polymyxin B, and gentamicin. Nicas TI, et al. **J Bacteriol** 1980 Aug;143(2):872–8

Gentamicin and amikacin disk susceptibility tests with Pseudomonas aeruginosa: definition of minimal inhibitory concentration correlates for susceptible and resistant categories. Barry AL, et al. **J Clin Microbiol** 1981 May; 13(5):1000–3

Alternative quality control parameters for Autobac susceptibility testing disks: use of agar diffusion zone size results. Boshard R, et al. **J Clin Microbiol** 1981 May; 13(5):814–7

Combination effect with some aminoglycoside antibiotics. Jedličková Z, et al. **J Hyg Epidemiol Microbiol Immunol** 1981;25(2):204–6

Antimicrobial activity of street heroin. Tuazon CU, et al. **J Infect Dis** 1980 Dec;142(6):944

Studies on the effect of plant seed extracts on different isolates of Pseudomonas aeruginosa. Chatterjee PC, et al. **Jpn J Exp Med** 1980 Aug;50(4):263–5

A comparative study of the lethal effect of metabisulphite on the viability of three bacterial species in bone meal and gelatin. Abalaka JA, et al. **Microbios** 1980;27(108):79–88

Effect of irgasan on bacterial growth and its adsorption into the cell wall. Meincke BE, et al. **Microbios** 1980; 28(113–114):133–47

Electron-microscope study of the effect of chlorhexidine on Pseudomonas aeruginosa. Richards RM, et al. **Microbios** 1979;26(104):85–93

The action of some beta-lactam antibiotics on the penicillin-binding proteins of Gram-negative bacteria. Curtis NA, et al. **Philos Trans R Soc Lond [Biol]** 1980 May 16;289(1036):368–70

Transmissible drug resistance in human and animal trains of Enterobacteriaceae and Pseudomonas aeruginosa. Adetosoye AI. **Res Vet Sci** 1980 Nov;29(3):342–5

In vitro comparison of gentamicin and netilmicin including a regression line for netilmicin. Bang J, et al. **Scand J Infect Dis [Suppl]** 1980;Suppl 23:34–8

The in vitro activity of netilmicin against 357 clinical isolates of Enterobacteriaceae, Pseudomonas aeruginosa and Staphylococcus aureus. Digranes A, et al. **Scand J Infect Dis [Suppl]** 1980;Suppl 23:30–3

[Sensitivity of Pseudomonas aeruginosa strains isolated from frozen bull seminal fluid to antibiotics, sulfamides and furazolidone] Kuradzhiiski N. **Vet Med Nauki** 1980; 17(9–10):3–8 (Eng. Abstr.) **(Bul)**

[Determination of microbicidal effect of selected disinfection remedies against various strains of Pseudomonas aeruginosa isolated from clinical material (author's transl)] Melicherčíková V. **Cesk Epidemiol Mikrobiol Imunol** 1981 Mar;30(2):105–12 (Eng. Abstr.) **(Cze)**

[Influence of supplementary tyrosine or phenylalanine on bacterial growth and pigmentation of 'Pseudomonas aeruginosa' (author's transl)] Labeyrie S, et al. **Ann Microbiol (Paris)** 1981 Jan–Feb;132A(1):31–40 (Eng. Abstr.) **(Fre)**

[Kinetics of bactericidial function of cefotaxim against Pseudomonas aeruginosa alone and in combination with tobramycin] Shah PM, et al. **Med Welt** 1980 Aug 29; 31(35):1244–5 **(Ger)**

[Serological typing of strains of Pseudomonas aeruginosa. II. Correlations between the O-serotype and sensitivity to 3 aminoglycosides (tobramycin, gentamicin and sisomicin)] Berti P, et al. **Ann Sclavo** 1980 Jul–Aug;22(4):709–16 **(Ita)**

[Comparison of manual agar-diffusion (Bauer) technique and 'Abac' semiautomatic device for the determination of 'in vitro' bacterial sensitivity to antibiotics (author's transl)] Pagano A, et al. **Ann Sclavo** 1979 Nov–Dec;21(6):790–9 (Eng. Abstr.) **(Ita)**

[Comparative study of the activity of several disinfectants against bacterial strains isolated in a hospital environment and of laboratory origin] Finzi G, et al. **Arch Sci Med (Torino)** 1980 Oct–Dec;137(4):749–62 (Eng. Abstr.) **(Ita)**

[In-vitro antibiotic resistance of hospital and non-hospital strains of Pseudomonas aeruginosa] Ceddia T, et al. **Boll Soc Ital Biol Sper** 1979 Mar 30;55(6):529–33 (Eng. Abstr.) **(Ita)**

[In vitro antimicrobial activity of pipemidic acid on strains isolated from urine cultures of hospitalized and nonhospitalized subjects] Ceddia T, et al. **Boll Soc Ital Biol Sper** 1980 Aug 30;56(16):1629–32 (Eng. Abstr.) **(Ita)**

[Clinical applications of sisomicin and netilmicin. Previous and current state of microbiological results] Altucci P, et al. **G Ital Chemioter** 1979 Jan–Dec;26(1–2):41–56 **(Ita)**

[Antibacterial activity of sodium cefuroxim as compared to cephalosporin] Borrata S, et al. **G Ital Chemioter** 1979 Jan–Dec;26(1–2):385–6 **(Ita)**

[Observations on antibiotic sensitivity of 'Pseudomonas aeruginosa' strains isolated in pediatric wards (author's transl)] D'Antonio D, et al. **Quad Sclavo Diagn** 1979 Jun; 15 Suppl 1:700–3 (Eng. Abstr.) **(Ita)**

[Susceptibility of Pseudomonas aeruginosa recently isolated from clinical specimens to various antimicrobial agents and changes of susceptibility to carbenicillin, gentamicin and amikacin (author's transl)] Kosakai N, et al. **Jpn J Antibiot** 1980 Jun;33(6):668–74 (Eng. Abstr.) **(Jpn)**

[Experimental studies on administration method of chemotherapeutic agents. 16. Effect of polymyxin B against Pseudomonas aeruginosa (author's transl)] Obana Y, et al. **Jpn J Antibiot** 1980 May;33(5):636–40 (Eng. Abstr.) **(Jpn)**

[Studies of bacterial flora in newborn infants delivered in the Gdansk and Elblag districts, conducted periodically over a year. II. Sensitivity of Staphylococcus aureus, Klebsiella and Pseudomonas aeruginosa to antibiotics and biseptol] Krynski S, et al. **Ginekol Pol** 1980 Aug; 51(8):699–703 (Eng. Abstr.) **(Pol)**

[Effect of nonspecific immunity factors of blood serum on the action of various antibiotics] Jakoniuk P, et al. **Med Dosw Mikrobiol** 1980;32(3):213–9 (Eng. Abstr.) **(Pol)**

[Microbial resistance to various disinfectants. I. Phenol and aldehyde preparations] Janowska J, et al. **Rocz Panstw Zakl Hig** 1980;31(5):533–40 (Eng. Abstr.) **(Pol)**

[Control of Pseudomonas aeruginosa with solutions of chemical disinfectants] Krzywicka H, et al. **Rocz Panstw Zakl Hig** 1980;31(3):287–92 (Eng. Abstr.) **(Pol)**

[Changes in microorganism sensitivity to antibiotics as affected by divalent metal ions] Chaikovskaia SM, et al. **Antibiotiki** 1981 Feb;26(2):97–101 (Eng. Abstr.) **(Rus)**

[Antibiotic behavior of Ps. aeruginosa strains isolated from various types of clinical material] Savitskaia KI, et al. **Antibiotiki** 1981 Mar;26(3):99–105 (Eng. Abstr.) **(Rus)**

[Mechanism of action of boric acid on the causative agent of blue pus infection] Chernobrovyi NP, et al. **Klin Khir** 1981 Jan;(1):22–4 (Eng. Abstr.) **(Rus)**

[Pseudomonas aeruginosa sensitivity to boric acid, carbenicillin and deposul and their potential use in treating Pseudomonas aeruginosa infection] Litovchenko PP, et al. **Mikrobiol Zh** 1981 May–Jun;43(3):369–72 (Eng. Abstr.) **(Rus)**

[KMnO4-induced change in the chemiluminescence of Pseudomonas aeruginosa cells after their preliminary interaction with pyocyanine] Gusev MV, et al. **Mikrobiologiia** 1980 Nov–Dec;49(6):911–8 (Eng. Abstr.) **(Rus)**

[Suppression of pigment formation in Pseudomonas aeruginosa by boric acid solutions] Litovchenko PP, et al. **Vestn Khir** 1981 Jun;126(6):67–70 **(Rus)**

[The study of the origin and development of R plasmid resistance to gentamycin (author's transl)] Antolová T, et al. **Cesk Epidemiol Mikrobiol Imunol** 1981 Apr;30(3):139–47 (Eng. Abstr.) **(Slo)**

ENZYMOLOGY

Extracellular neuraminidase production by a strain of

Pseudomonas aeruginosa isolated from cystic fibrosis. Leprat R, et al. **Ann Microbiol (Paris)** 1980 Nov-Dec; 131B(3):209–22

The catalytic mechanism of Pseudomonas cytochrome c peroxidase. Rönnberg M, et al. **Arch Biochem Biophys** 1981 Mar;207(1):197–204

Studies on bacterial pyruvate kinase: properties of the enzyme from Pseudomonas aeruginosa and Thermus thermophilus. Eyzaguirre J. **Arch Biol Med Exp (Santiago)** 1979 Dec; 12(5):605–10

Nitrogen control in Pseudomonas aeruginosa: a role for glutamine in the regulations of the synthesis of nadp-dependent glutamate dehydrogenase, urease and histidase. Janssen DB, et al. **Arch Microbiol** 1981 Feb; 128(4):398–402

Heat stabilization dependence on redox state of cytochrome cd1 oxidase from Pseudomonas aeruginosa. Mitra S, et al. **Biochem Biophys Res Commun** 1981 Jan 15;98(1):140–6

Identification of nitric oxide and nitrous oxide as products of nitrite reduction by Pseudomonas cytochrome oxidase (nitrate reductase). Wharton DC, et al. **Biochem Biophys Res Commun** 1980 Nov 17;97(1):236–42

Electron paramagnetic resonance studies on Pseudomonas nitrosyl nitrite reductase. Evidence for multiple species in the electron paramagnetic resonance spectra of nitrosyl haemoproteins. Johnson MK, et al. **Biochem J** 1980 Aug 1;189(2):285–94

DL-alpha-(Difluoromethyl)arginine: a potent enzyme-activated irreversible inhibitor of bacterial decarboxylases. Kallio A, et al. **Biochemistry** 1981 May 26;20(11):3163–8

Location of the heme groups in cytochrome cd1 oxidase from Pseudomonas aeruginosa. Mitra S, et al. **Biochemistry** 1980 Jul 8;19(14):3200–3

Regulatory properties of the pyruvate dehydrogenase complex of Pseudomonas aeruginosa. Ghosh R, et al. **Biochim Biophys Acta** 1981 Apr 14;658(2):232–7

Peptidase activity in the inner membrane of Pseudomonas aeruginosa. Haas MW, et al. **Biochim Biophys Acta** 1981 Apr 22;643(1):256–60

Resonance Raman spectra of Pseudomonas cytochrome c peroxidase. Rönnberg M, et al. **Biochim Biophys Acta** 1980 Nov 20;626(1):23–30

Taurine catabolism. II. biochemical and genetic evidence for sulfoacetaldehyde sulfo-lyase involvement. Shimamoto G, et al. **Biochim Biophys Acta** 1980 Sep 17;632(1):121–30

Glutaraldehyde reactions with alkaline phosphatase of Pseudomonas aeruginosa. Day DF, et al. **Can J Microbiol** 1981 May;27(5):531–5

Purification and characterization of exocellular proteases produced by a clinical isolate and a laboratory strain of Pseudomonas aeruginosa. Jensen SE, et al. **Can J Microbiol** 1980 Jan;26(1):77–86

Demonstration of a cell-associated, inactive precursor of an exocellular protease prcduced by Pseudomonas aeruginosa. Jensen SE, et al. **Can J Microbiol** 1980 Jan;26(1):87–93

The formation of the primary compound from hydrogen peroxide and Pseudomonas cytochrome c peroxidase. Araiso T, et al. **FEBS Lett** 1980 Aug 25;118(1):99–102

Proteolytic cleavage of exotoxin A from Pseudomonas aeruginosa: formation of an ADP-ribosyltransferase active fragment by the action of Pseudomonas elastase. Sanai Y, et al. **FEBS Lett** 1980 Oct 20;120(1):131–4

Preliminary report on beta-lactamase isoenzymes of clinical isolates of Pseudomonas aeruginosa and carbenicillin-resistance. Saoji AM, et al. **Indian J Med Res** 1981 Apr;73:503–9

Properties of three carbenicillin-hydrolysing beta-lactamases (CARB) from Pseudomonas aeruginosa: identification of a new enzyme. Labia R, et al. **J Antimicrob Chemother** 1981 Jan;7(1):49–56

Combinations of clavulanic acid and other beta-lactam antibiotics against strains of Pseudomonas aeruginosa, Serratia marcescens and other bacteria. Rogers DT, et al. **J Appl Bacteriol** 1980 Aug;49(1):111–8

Growth of Pseudomonas aeruginosa mutants lacking glutamate synthase activity. Brown PR, et al. **J Bacteriol** 1981 Jul;147(1):193–7

Nutritional factors controlling exocellular protease production by Pseudomonas aeruginosa. Jensen SE, et al. **J Bacteriol** 1980 Nov;144(2):844–7

Regulation of enzyme synthesis in the arginine deiminase pathway of Pseudomonas aeruginosa. Mercenier A, et al. **J Bacteriol** 1980 Oct;144(1):159–63

Glutamine synthetase of pseudomonads: some biochemical and physicochemical properties. Meyer JM, et al. **J Bacteriol** 1981 May;146(2):705–12

Cyclic adenosine 3',5'-monophosphate levels in Pseudomonas putida and Pseudomonas aeruginosa during induction and carbon catabolite repression of histidase synthesis. Phillips AT, et al. **J Bacteriol** 1981 Mar;145(3):1286–92

Lytic enzyme produced by Pseudomonas aeruginosa concomitantly with bacteriophage PS17. Purification, characterization, and comparison with PR1-lysozyme. Sawada H, et al. **J Biochem (Tokyo)** 1981 Jan;89(1):275–84

Proton magnetic resonance relaxation in Pseudomonas aeruginosa cytochrome oxidase solutions. Blatt Y, et al. **J Biol Chem** 1981 Mar 10;256(5):2197–301

EPR study of heme x NO complexes of ascorbic acid-reduced Pseudomonas cytochrome oxidase and corresponding model complexes. Muhoberac BB, et al. **J Biol Chem** 1980 Sep 25;255(18):8437–42

The reaction between reduced azurin and oxidized cytochrome c peroxidase from Pseudomonas aeruginosa. Ronnberg M, et al. **J Biol Chem** 1981 Mar 10;256(5):2471–4

Preliminary crystallographic study of protocatechuate 3,4-dioxygenase from Pseudomonas aeruginosa. Satyshur KA, et al. **J Biol Chem** 1980 Nov 10;255(21):10015–6

Production of alkaline protease by Pseudomonas aeruginosa. Cryz SJ, et al. **J Clin Microbiol** 1980 Jul;12(1):131–3

Pseudomonas aeruginosa enzyme profiling: predictor of potential invasiveness and use as an epidemiological tool. Janda JM, et al. **J Clin Microbiol** 1981 Jul;14(1):55–60

Correlation of proteolytic activity of Pseudomonas aeruginosa with site of isolation. Janda JM, et al. **J Clin Microbiol** 1980 Oct;12(4):626–8

The pyruvate dehydrogenase complex of Pseudomonas aeruginosa PAO Purification, properties and characterization of mutants. Jeyaseelan K, et al. **J Gen Microbiol** 1980 Oct;120(Pt 2):393–402

The assimilatory and dissimilatory nitrate reductases of Pseudomonas aeruginosa are encoded by different genes. Sias SR, et al. **J Gen Microbiol** 1980 May;118(Pt 1):229–34

The characterization and magnetic properties of the azide and imidazole derivatives of Pseudomonas nitrite reductase. Walsh TA, et al. **J Inorg Biochem** 1981 Feb;14(1):1–14

Studies on heme d1 extracted from Pseudomonas aeruginosa nitrite reductase. Walsh TA, et al. **J Inorg Biochem** 1981 Feb;14(1):15–31

The effect of extracellular proteases from gran-negative bacteria on the interaction of von Willebrand factor with human platelets. Cooper HA, et al. **J Lab Clin Med** 1981 Mar;97(3):379–89

Acetylcholinesterase from rat red cells and cholinesterase of Pseudomonas aeruginosa: different types of inhibition by atropine. Domenech CE, et al. **Mol Cell Biochem** 1981 Jan 28;34(2):95–9

Origins of metabolic diversity: substitution of homologous sequences into genes for enzymes with different catalytic activities. Yeh WK, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5365–9

INfluence of Pseudomonas aeruginosa proteases on prothrombin, plasminogen and fibrinogen. Pulverer G, et al. **Zentralbl Bakteriol [A]** 1980;248(1):99–109

[Extracellular toxins of Pseudomonas aeruginosa. II. Effect of two proteases on human immunoglobulins IgG, IgA and secretory IgA (author's transl)] Döring G, et al. **Zentralbl Bakteriol [A]** 1981 Mar;249(1):89–98 (Eng. Abstr.) **(Ger)**

[Extracellular toxins of Pseudomonas aeruginosa. I. Purification and characterization of two exoproteases (author's transl)] Obernesser HJ, et al. **Zentralbl Bakteriol [A]** 1981 Mar;249(1):76–88 (Eng. Abstr.) **(Ger)**

[Determination of the lecithinase activity of Pseudomonas aeruginosa] Rozhavin MA, et al. **Lab Delo** 1980;(11):681–2 (Eng. Abstr.) **(Rus)**

GENETICS

Relationship between R and FP plasmids in Pseudomonas aeruginosa. Royle PL, et al. **Antimicrob Agents Chemother** 1980 Mar;17(3):293–7

Mobilization of chromosomal determinants for the polar pili of Pseudomonas aeruginosa PAO by FP plasmids. Bradley DE. **Can J Microbiol** 1980 Feb;26(2):155–60

Direct repetition of a 1.2 Md DNA sequence is involved in site-specific recombination by the P1 plasmid R68. Leemans J, et al. **Gene** 1980 Sep;10(4):319–28

R68.45, a plasmid with chromosome mobilizing ability (Cma) carries a tandem duplication. Riess G, et al. **Genet Res** 1980 Aug;36(1):99–109

New prime plasmids from Pseudomonas aeruginosa. Royle PL, et al. **Genet Res** 1981 Jun;37(3):265–74

Genetic mapping of chromosomal determinants for the production of the exopolysaccharide alginate in a Pseudomonas aeruginosa cystic fibrosis isolate. Ohman DE, et al. **Infect Immun** 1981 Jul;33(1):142–8

Isolation of an antibiotic multiresistance plasmid from Pseudomonas aeruginosa. Michel-Briand Y, et al. **J Antimicrob Chemother** 1981 Apr;7(4):371–8

Structural instability of IncP-1 plasmids in Pseudomonas aeruginosa PAT involves interaction with plasmid pVS1. Godfrey AJ, et al. **J Bacteriol** 1980 Nov;144(2):622–9

Naturally occurring plasmids exhibiting incompatibility with members of incompatibility groups I and P. Grant AJ, et al. **J Bacteriol** 1980 Nov;144(2):758–65

Isolation and genetic characterization of toxin-deficient mutants of Pseudomonas aeruginosa PAO. Gray GL, et al. **J Bacteriol** 1981 Aug;147(2):275–81

A Pseudomonas aeruginosa mutant non-derepressible for orthophosphate-regulated proteins. Gray GL, et al. **J Bacteriol** 1981 Aug;147(2):675–8

Tn2001, a transposon encoding chloramphenicol resistance in Pseudomonas aeruginosa. Iyobe S, et al. **J Bacteriol** 1981 Apr;146(1):141–8

Ordering tryptophan synthase genes of Pseudomonas aeruginosa by cloning in Escherichia coli. Manch JN, et al. **J Bacteriol** 1981 Apr;146(1):102–7

Genetic circularity of the Pseudomonas aeruginosa PAO chromosome. Royle PL, et al. **J Bacteriol** 1981 Jan; 145(1):145–55

Versatile cloning vector for Pseudomonas aeruginosa. Wood DO, et al. **J Bacteriol** 1981 Mar;145(3):1448–51

Alginate synthesis in mucoid Pseudomonas aeruginosa: a chromosomal locus involved in control. Fyfe JA, et al. **J Gen Microbiol** 1980 Aug;119(Pt 2):443–50

Isolation and properties of pyruvate dehydrogenase complex mutants of Pseudomonas aeruginosa PAO. Jeyaseelan K, et al. **J Gen Microbiol** 1980 Oct;120(Pt 2):385–92

A mutant of Pseudomonas aeruginosa deficient in an ATP-dependent deoxyribonuclease. Lehrbach PR, et al. **J Gen Microbiol** 1980 Oct;120(Pt 2):377–84

Distribution among incompatibility groups of plasmids that confer UV mutability and UV resistance. Pinney RJ. **Mutat Res** 1980 Aug;72(1):155–9

Complementation analysis in Pseudomonas aeruginosa of the transfer genes of the wide host range R plasmid R18. Stokes HW, et al. **Plasmid** 1981 Mar;5(2):202–12

Isolation and characterization of a Pseudomonas aeruginosa mutant producing a nontoxic, immunologically crossreactive toxin A protein. Cryz SJ Jr, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7199–203

Transduction of amikacin, gentamicin and tobramycin resistance in Pseudomonas aeruginosa. Knothe H, et al. **Zentralbl Bakteriol [A]** 1980 Mar;246(3):373–8

[Determination of the nature of resistance to streptomycin and mercury salts of Pseudomonas aeruginosa strain primarily sensitive to other antibiotics] Najer A. **Med Dosw Mikrobiol** 1980;32(1):39–42 (Eng. Abstr.) **(Pol)**

[Characteristics of the resistance of Pseudomonas aeruginosa plasmids] Anisimova LA, et al. **Antibiotiki** 1981 Jun; 26(6):450–6 (Eng. Abstr.) **(Rus)**

[Pseudomonas aeruginosa bacteriophages with DNA structure similar to the DNA structure of Mu1 phage. II. Evidence for similarity between D3112, B3, and B39 bacteriophages: analysis of DNA splits by restriction endonucleases, isolation of D3112 and B3 recombinant phages] Krylov VN, et al. **Genetika (Moskva)** 1980; 16(6):975–84 (Eng. Abstr.) **(Rus)**

[Temperature-sensitive mutant of bacteriophage D3 and its use for the purpose of demonstrating the location of prophage in Pseudomonas aeruginosa cells] Galeeva NL, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Jun;(6):33–7 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Effects of hyperbaric oxygen on the growth and properties of Pseudomonas aeruginosa. Kenward MA, et al. **Microbios** 1980;28(111):47–60

IMMUNOLOGY

An antigen common to a wide range of bacteria. I. The isolation of a 'common antigen' from Pseudomonas aeruginosa. Sompolinsky D, et al. **Acta Pathol Microbiol Scand [B]** 1980 Jun;88B(3):143–9

An antigen common to a wide range of bacteria. 2. A biochemical study of a 'common antigen' from Pseudomonas aeruginosa. Sompolinsky D, et al. **Acta Pathol Microbiol Scand [B]** 1980 Oct;88B(5):253–60

Antibody response in patients with Pseudomonas aeruginosa infection to a 'common antigen' from P. aeruginosa analysed by means of quantitative immunoelectrophoretic methods. Høiby N, et al. **Acta Pathol Microbiol Scand [C]** 1980 Jun;88C(3):149–54

Pseudomonas pneumonia of mink: pathogenesis, vaccination, and serologic studies. Long GG, et al. **Am J Vet Res** 1980 Oct;41(10):1720–5

Changes in lymphocyte reactivity to Pseudomonas aeruginosa in hospitalized patients with cystic fibrosis. Sorensen RU, et al. **Am Rev Respir Dis** 1981 Jan; 123(1):37–41

Phagocytosis and intracellular killing of mucoid and nonmucoid Pseudomonas aeruginosa strains isolated from wounds of burned patients. Gościniak G, et al. **Arch Immunol Ther Exp (Warsz)** 1980;28(4):619–23

31P nuclear magnetic resonance spectroscopy of lipopolysaccharides from Pseudomonas aeruginosa. Horton D, et al. **Biochim Biophys Acta** 1981 Feb 6;640(3):727–33

Effect of active and passive immunization on the development of experimental Pseudomonas aeruginosa pyelonephritis in mice. Petit JC, et al. **Can J Microbiol** 1981 Jan;27(1):93–7

Lymphocyte responses of human neonates to bacterial antigens. Rubin HR, et al. **Cell Immunol** 1981 Jan 15; 57(2):307–15

The influence of non-specific vaccines on serum calcium after bone fracture. Gawlicka B. **Folia Biol (Krakow)** 1980; 28(2):151–62

Different serum requirements for opsonization of two serologically identical strains of Pseudomonas aeruginosa. Ogle CK, et al. **Immunol Commun** 1980;9(7):677–91

Serotype-nonspecific protection induced by ribonucleic acid isolated from the ribosomal vaccine of Pseudomonas aeruginosa. Gonggrijp R, et al. **Infect Immun** 1981 Jul; 33(1):178–85

Evidence for the presence of lipopolysaccharide in a ribonuclease-sensitive ribosomal vaccine of Pseudomonas aeruginosa. Gonggrijp R, et al. **Infect Immun** 1981 Mar; 31(3):896–905

Specific Pseudomonas immunoglobulin E antibodies in sera of patients with cystic fibrosis. Shen J, et al. **Infect Immun** 1981 May;32(2):967–8

Preparation and characterization of detoxified lipopolysaccharide-protein conjugates. Seid RC Jr, et al.

J Biol Chem 1981 Jul 25;256(14):7305–10

Detection of Pseudomonas aeruginosa antigenemia in granulocytopenic rabbits by radioimmunoassay. Kohler RB, et al. **J Clin Microbiol** 1980 Jul;12(1):39–43

Immunological nonidentity of Pseudomonas paucimobilis with Pseudomonas aeruginosa and Pseudomonas cepacia. Smalley DL, et al. **J Clin Microbiol** 1980 Sep;12(3):439–41

Immunological study of antisera to to artificial O-antigen of Pseudomonas aeruginosa. Edvabnaya LS, et al. **J Hyg Epidemiol Microbiol Immunol** 1981;25(2):163–8

Correlation of the biologic responses of C3H/HEJ mice to endotoxin with the chemical and structural properties of the lipopolysaccharides from Pseudomonas aeruginosa and Escherichia coli. Pier GB, et al. **J Immunol** 1981 Jul; 127(1):184–91

Use of Pseudomonas aeruginosa lipopolysaccharide immunoadsorbents to prepare high potency, mono-specific antibodies. Fick RB Jr, et al. **J Immunol Methods** 1980; 38(1–2):103–16

Mechanism for pulmonary protection by lipopolysaccharide pseudomonas vaccine. Pennington JE, et al. **J Infect Dis** 1980 Aug;142(2):191–8

Preparation of agglutinating antisera specific for the flagellar antigens of Pseudomonas aeruginosa. Pitt TL. **J Med Microbiol** 1981 Aug;14(3):251–60

Mouse footpad infection by Pseudomonas aeruginosa: evidence for delayed hypersensitivity to specific bacterial antigen. Garzelli C, et al. **Med Microbiol Immunol (Berl)** 1980;168(2):111–8

Influence of cystic fibrosis plasma on lymphocyte responses to Pseudomonas aeruginosa in vitro. Sorensen RU, et al. **Pediatr Res** 1981 Jan;15(1):14–8

Neutrophil-mediated lung localization of bacteria: a mechanism for pulmonary injury. Lanser ME, et al. **Surgery** 1981 Sep;90(3):473–81

Comparison of the effects of a multi-component vaccine and a formalin-killed cell vaccine on protection against enzootic of hemorrhagic pneumonia due to Pseudomonas aeruginosa in mink. Abe C, et al. **Zentralbl Bakteriol** [A] 1981 Aug;249(3):413–7

Mouse-protection experience with monovalent Pseudomonas aeruginosa vaccine. Sourek J, et al. **Zentralbl Bakteriol** [A] 1980 Mar;246(3):353–62

[Prevelance of antibodies ot OEP, exotoxin A, and exoenzymes of Pseudomonas aeruginosa in man (author's transl)] Shinozaki T, et al. **Kansenshogaku Zasshi** 1981 Jan; 55(1):32–40 (Eng. Abstr.) **(Jpn)**

[Immunogenic properties of a polyvalent vaccine against Pseudomonas aeruginosa] Serafińska D, et al. **Pol Tyg Lek** 1980 Jul 7;35(27):1013–5 (Eng. Abstr.) **(Pol)**

[Studies on natural immunity. II. Phagocytosis and intracellular destruction of Pseudomonas aeruginosa by guinea pig leukocytes in vitro] Ladosz J, et al. **Przegl Epidemiol** 1980;34(3):295–301 (Eng. Abstr.) **(Pol)**

[Our experience with the treatment of burns with sheep serum against Pseudomonas aeruginosa] Orłowski T, et al. **Wiad Lek** 1980 Nov 1;33(21):1697–701 (Eng. Abstr.) **(Pol)**

[Clinical use of a Soviet polyvalent corpuscular pyocyanic vaccine for the prevention of Pseudomonas aeruginosa infection in thermal burn victims] Gerasimova LI, et al. **Khirurgiia (Mosk)** 1980 Nov;(11):36–41 (Eng. Abstr.) **(Rus)**

[Dynamics of humoral antibody formation against the O-antigen of Pseudomonas aeruginosa in suppurative diseases] Zarubina EK, et al. **Khirurgiia (Mosk)** 1980 Nov; (11):47–52 (Eng. Abstr.) **(Rus)**

[Development of immunological preparations and their use for preventing and treating pyocyanic infection in burn patients] Kolker II, et al. **Probl Gematol Pereliv Krovi** 1981 Jan;26(1):29–33 (Eng. Abstr.) **(Rus)**

[Immunochemical analysis of water-soluble antigen complexes isolated from typing strains of Pseudomonas aeruginosa of different O-serogroups] Chekan LV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Dec;(12):49–54 (Eng. Abstr.) **(Rus)**

[Protective properties of antigenic preparations of Pseudomonas aeruginosa] Grishina IA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Jun;(6):63–7 (Eng. Abstr.) **(Rus)**

[Production of a hyperimmune antitoxic donor plasma against Pseudomonas aeruginosa] Krokhina MA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Sep;(9):78–83 (Eng. Abstr.) **(Rus)**

[Cell-free pseudomonas vaccine. I. Enzyme properties and virulence of strains of P. aeruginosa; protective activity of their water-soluble antigens] Stanislavskiĭ ES, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Aug;(8):66–72 (Eng. Abstr.) **(Rus)**

[Immunochemical analysis and protective properties of components of Pseudomonas aeruginosa mucus with different molecular weights] Zaĭdner IG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Apr;(4):92–7 (Eng. Abstr.) **(Rus)**

[Effect of the protective properties of antisera and immunoglobulin to antigens of Pseudomonas aeruginosa slime] Zaĭdner IG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Oct;(10):52–7 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

The mucociliary activity of the respiratory tract. I. Inhibitory effects of products of Pseudomonas aeruginosa on rabbit trachea in vitro. Reimer A, et al. **Acta Otolaryngol (Stockh)** 1980 Nov–Dec;90(5–6):462–9

New selective agent for isolation of Pseudomonas aeruginosa. Marold LM, et al. **Appl Environ Microbiol** 1981 Apr; 41(4):977–80

Persistence of Pseudomonas aeruginosa in chlorinated swimming pools. Seyfried PL, et al. **Can J Microbiol** 1980 Mar;26(3):350–5

Isolation of two types of Pseudomonas aeruginosa mutants highly sensitive to a specific group of beta-lactam antibiotics and with defect in penicillin-binding proteins. Noguchi H, et al. **J Antibiot (Tokyo)** 1980 Dec; 33(12):1521–6

Isolation of oxidase-negative Pseudomonas aeruginosa from urine culture. McCleskey FK, et al. **J Clin Microbiol** 1980 Oct;12(4):624–5

Lytic manifestations in the bacterial strains of Pseudomonas aeruginosa (bacteriophages bacteriocines, autoplaques). Pillich J, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 1979; 23(4):462–7

Pseudomonas aeruginosa in rabbit fur. Schoenbaum M. **Lab Anim** 1981 Jan;15(1):5

Elimination of pseudomonas from burned bone [letter] Groves AR, et al. **Lancet** 1981 Mar 21;1(8221):676

[Slime from a mucoid strain of Pseudomonas aeruginosa in mucoviscidosis and other respiratory diseases (author's transl)] Marty N, et al. **Ann Pediatr (Paris)** 1981 Apr; 28(4):261–5 (Eng. Abstr.) **(Fre)**

['Pseudomonas aeruginosa' in the hospital of Avellino, and the presence of colonies in the obstetric, pediatric and neonatal wards. A microbiological and epidemiological study (author's transl)] Guarino A, et al. **Quad Sclavo Diagn** 1979 Jun;15 Suppl 1:704–21 (Eng. Abstr.) **(Ita)**

[Analytical examination of bacteria in a neonatal intensive care unit (author's transl)] Yoshioka M, et al. **Kansenshogaku Zasshi** 1980 Dec;54(12):789–97 (Eng. Abstr.) **(Jpn)**

[Results of the studies of bacterial flora in newborn infants, conducted periodically during in the obstetrical departments of the Gdansk and Elblag districts. I. Carrier state of Staphylococcus, Klebsiella and Pseudomonas aeruginosa] Kryński S, et al. **Ginekol Pol** 1980 Jul; 51(7):619–22 (Eng. Abstr.) **(Pol)**

[Pseudomonas aeruginosa in the vascular surgery department] Cybulski Z, et al. **Przegl Epidemiol** 1980;34(3):277–84 (Eng. Abstr.) **(Pol)**

[Selective ethonium and penicillin medium for growing Pseudomonas aeruginosa] Tydel'skaia IL, et al. **Lab Delo** 1980;(9):549–50 (Eng. Abstr.) **(Rus)**

[Morphologic, cultural, and biochemical properties of cultures of Pseudomonas aeruginosa isolated from patients, animals, and the environment] Litovchenko PP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 May;(5):78–84 (Eng. Abstr.) **(Rus)**

[Serotypes of Pseudomonas aeruginosa isolated from the hospital environment (author's transl)] Cakir N, et al. **Mikrobiyol Bul** 1980 Jan;14(1):13–20 (Eng. Abstr.) **(Tur)**

[Serotypes of Pseudomonas aeruginosa strains isolated from human sources in Diyarbakir (author's transl)] Yumul C. **Mikrobiyol Bul** 1980 Jan;14(1):9–12 (Eng. Abstr.) **(Tur)**

[Pyocine types of Pseudomonas aeruginosa strains isolated from patients in Diyarbakir (author's transl)] Yumul C. **Mikrobiyol Bul** 1980 Apr;14(2):109–15 (Eng. Abstr.) **(Tur)**

METABOLISM

Aminoglycoside-resistant mutants of Pseudomonas aeruginosa deficient in cytochrome d, nitrite reductase, and aerobic transport. Bryan LE, et al. **Antimicrob Agents Chemother** 1981 Jun;19(6):958–64

Clinical isolate of Pseudomonas aeruginosa that degrades salicylate by the ortho pathway. Ohta S, et al. **Appl Environ Microbiol** 1981 Jan;41(1):312–4

Microbial transformations of 7,2-dimethylbenz[a]anthracene. Wu J, et al. **Appl Environ Microbiol** 1981 Mar;41(3):843–5

Coliphage T7 receptors are present in Pseudomonas aeruginosa rough lipopolysaccharides. Jarrell KF, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1185–90

The anaerobic dissimilation of benzoate by Pseudomonas aeruginosa coupled with Desulfovibrio vulgaris, with sulphate as terminal electron acceptor. Balba MT, et al. **Biochem Soc Trans** 1980 Oct;8(5):624–5

Taurine catabolism. III. Evidence for the participation of the glyoxylate cycle. Shimamoto G, et al. **Biochim Biophys Acta** 1980 Oct 15;632(3):399–407

Degradation of DDT and its analogs by Pseudomonas aeruginosa 640x. Golovleva LA, et al. **Biol Bull Acad Sci USSR** 1980 Mar–Apr;7(2):143–51

Influence of high hydrostatic pressure on the formation of keto and amino acids by a barotolerant strain of Pseudomonas aeruginosa. Red'kina TV, et al. **Biol Bull Acad Sci USSR** 1979 Sep–Oct;6(5):666–70

The role of extracellular products of Pseudomonas aeruginosa in the pathogenesis of infection; an experimental study employing intraperitoneal diffusion chambers. Al-Ssum RM, et al. **Br J Exp Pathol** 1980 Dec;61(6):551–9

Chloramphenicol-resistant variants of Pseudomonas aeruginosa defective in amino acid transport. Irvin JE, et al. **Can J Biochem** 1980 Oct;58(10):1165–71

Effects of lipids, fatty acids, and other detergents on bacterial utilization of hexadecane. Breuil C, et al. **Can J Microbiol** 1980 Feb;26(2):223–31

Receptor-mediated internalization of Pseudomonas toxin by mouse fibroblasts. FitzGerald D, et al. **Cell** 1980 Oct; 21(3):867–73

Electrochemical reduction of dioxygen using a terminal oxidase. Hill HA, et al. **FEBS Lett** 1981 Apr 20; 126(2):282–4

Proteolytic cleavage of exotoxin A from Pseudomonas aeruginosa: formation of an ADP-ribosyltransferase active fragment by the action of Pseudomonas elastase. Sanai Y, et al. **FEBS Lett** 1980 Oct 20;120(1):131–4

Effect of glucose on induction of L-hydroxyproline dissimilatory pathway enzymes in Pseudomonas aeruginosa PAQ in presence of absence of ammonium sulphate. Manoharan TH. **Indian J Exp Biol** 1980 Jul;18(7):748–50

Effect of environment on sensitivity of Neisseria gonorrhoeae to Pseudomonas aeruginosa bacteriocins. Stein DC, et al. **Infect Immun** 1980 Aug;29(2):507–11

Penicillin-binding proteins of Pseudomonas aeruginosa. Comparison of two strains differing in their resistance to beta-lactam antibiotics. Curtis NA, et al. **J Antimicrob Chemother** 1981 Feb;7(2):127–36

Purification and properties of an S-type pyocin, pyocin AP41. Sano Y, et al. **J Bacteriol** 1981 May;146(2):733–9

Biosynthesis of membrane proteins of Pseudomonas aeruginosa: effects of various antibiotics. Yasumura M, et al. **J Bacteriol** 1981 Jan;145(1):417–21

Function of ubiquinone in the electron transport system of Pseudomonas aeruginosa grown aerobically. Matsushita K, et al. **J Biochem (Tokyo)** 1980 Sep;88(3):757–64

Headspace analysis of volatile metabolites of Pseudomonas aeruginosa and related species by gas chromatography-mass spectrometry. Labows JN, et al. **J Clin Microbiol** 1980 Oct;12(4):521–6

Degradation of carboxin (Vitavax) and oxycarboxin (Plantvax) by Pseudomonas aeruginosa isolated from soil. Balasubramanya RH, et al. **J Environ Sci Health [B]** 1980; 15(5):485–505

Role of L-threonine deaminase and L-threonine 3-dehydrogenase in the utilization of L-threonine by Pseudomonas aeruginosa. Lam VM, et al. **J Gen Microbiol** 1980 Apr;117(2):539–42

The penetration of antibiotics through sodium alginate and through the exopolysaccharide of a mucoid strain of Pseudomonas aeruginosa. Slack MP, et al. **Lancet** 1981 Sep 5;2(8245):502–3

Oxidative phosphorylation coupled with nitrate respiration. IV. Replacement of soluble fraction from Escherichia coli, Pseudomonas aeruginosa and Mycobacterium avium. Ota A. **Microbios** 1980;27(109 110):133–44

[Melanin-synthesizing cultures of Pseudomonas aeruginosa isolated in Kiev] Rozhavin MA, et al. **Mikrobiol Zh** 1980 Nov–Dec;42(6):779–81 (Eng. Abstr.) **(Rus)**

[Pyocyanin reactions with Pseudomonas aeruginosa cells and their fragments] Gusev MV, et al. **Mikrobiologiia** 1980 Sep–Oct;49(5):677–81 (Eng. Abstr.) **(Rus)**

[Effect of sulfur, copper, and iron deficiency on the development of cyanide resistant respiration and the cytochrome composition of Pseudomonas aeruginosa] Trutko SM, et al. **Mikrobiologiia** 1980 Sep–Oct; 49(5):657–63 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Isolation & identification of Pseudomonas aeruginosa pathogenic to insect larvae. Som NC, et al. **Indian J Exp Biol** 1980 Jun;18(6):590–3

Slime glycolipoproteins and the pathogenicity of various strains of Pseudomonas aeruginosa in experimental infection. Dimitracopoulos G, et al. **Infect Immun** 1980 Nov;30(2):402–8

Burn sepsis: bacterial interference with Pseudomonas aeruginosa. Levenson SM, et al. **J Trauma** 1981 May; 21(5):364–71

Roles of exoenzymes and exotoxin in the pathogenicity of Pseudomonas aeruginosa and the development of a new vaccine. Homma JY. **Jpn J Exp Med** 1980 Jun;50(3):149–65 (68 ref.)

[Aspects of Pseudomonas aeruginosa opportunism] Falcone G, et al. **G Batteriol Virol Immunol** 1979 Jan–Jun; 72(1–6):62–71 (45 ref.) **(Ita)**

[CLearance of Pseudomonas aeruginosa from the lungs in experimental burn trauma] Matveeva EA, et al. **Arkh Patol** 1981;43(6):59–64 (Eng. Abstr.) **(Rus)**

[Pathogenicity factors of melanin-forming strains of Pseudomonas aeruginosa] Tydel'skaia IL, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 May;(5):73–6 (Eng. Abstr.) **(Rus)**

[Pseudomonas aeruginosa exotoxin A and its role in the pathogenesis of pyocyaneus infection] Vertiev IuV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Feb;(2):13–9 (42 ref.) **(Rus)**

PHYSIOLOGY

A function of Pseudomonas aeruginosa PAO polar pili: twitching motility. Bradley DE. **Can J Microbiol** 1980 Feb; 26(2):146–54

Motility and chemotaxis of three strains of Pseudomonas aeruginosa used for virulence studies. Craven RC, et al. **Can J Microbiol** 1981 Apr;27(4):458–60

Role of pili in adherence of Pseudomonas aeruginosa to mammalian buccal epithelial cells. Woods DE, et al. **Infect Immun** 1980 Sep;29(3):1146–51

Physiological diversity in clinical isolates of Pseudomonas aeruginosa. Stewart DJ, et al. **J Med Microbiol** 1981 Feb; 14(1):153–7

Isolation and characterization of a bacteriophage specific for the lipopolysaccharide of rough derivatives of Pseudomonas aeruginosa strain PAO. Jarrell KF, et al. **J Virol** 1981 May;38(2):529–38

[A study on microbiological characteristics and sensitivity to antibiotics of 108 'Pseudomonas aeruginosa' strains collected during hospital infections (author's transl)] De Vito DD. **Ann Sclavo** 1979 Jul–Aug;21(4):425–34 (Eng. Abstr.) **(Ita)**

RADIATION EFFECTS

Resistance of selected strains of Pseudomonas aeruginosa to low-intensity ultraviolet radiation. Abshire RL, et al. **Appl Environ Microbiol** 1981 Jun;41(6):1419–23

ULTRASTRUCTURE

Morphological expressions of antibiotic synergism against Pseudomonas aeruginosa as observed by scanning electron microscopy. Waisbren SJ, et al. **Antimicrob Agents Chemother** 1980 Dec;18(6):969–75

Cefotaxime: binding affinity to penicillin-binding proteins and morphological changes of Escherichia coli and Pseudomonas aeruginosa. Masuyoshi S, et al. **Arznei:aittelforsch** 1981;31(7):1070–2

Isolation and characterization of multiflagellate mutants of Pseudomonas aeruginosa. Suzuki T, et al. **J Bacteriol** 1980 Sep;143(3):1471–9

Morphology of sulfur granules produced by Pseudomonas aeruginosa in cows. Kubo M, et al. **Natl Inst Anim Health Q (Tokyo)** 1981 Spring;21(1):26–31

Conformational transitions in Pf3 and their implications for the structure and assembly of filamentous bacterial viruses. Thomas GJ Jr, et al. **Proc Natl Acad Sci USA** 1981 May; 78(5):2962–6

[Isolation, depolymerization and repolymerization of flagella of Pseudomonas aeruginosa (author's transl)] Ansorg R, et al. **Zentralbl Bakteriol [A]** 1980 Mar;246(3):363–72 (Eng. Abstr.) **(Ger)**

PSEUDOMONAS FLUORESCENS

DRUG EFFECTS

Toxicity of benzoquinone and hydroquinone in short-term bacterial bioassays. Trevors JT, et al. **Bull Environ Contam Toxicol** 1980 Oct;25(4):672–5

A rapid toxicity test using Pseudomonas fluorescens. Trevors JT, et al. **Bull Environ Contam Toxicol** 1981 Apr; 26(4):433–9

How does Pseudomonas fluorescens, the producing organism of the antibiotic pseudomonic acid A, avoid suicide? Hughes J, et al. **FEBS Lett** 1980 Dec 29;122(2):322–4

Water relations of glucose-catabolizing enzymes in Pseudomonas fluorescens. Prior BA, et al. **J Appl Bacteriol** 1980 Apr;48(2):211–22

ENZYMOLOGY

D-Malate dehydrogenase from Pseudomonas fluorescens UK-1. Lähdesmäki M, et al. **Acta Chem Scand [B]** 1980; 34(6):423–7

Effect of 2,4,6-trinitrobenzenesulfonic acid and pyridoxal 5'-phosphate on pantoate dehydrogenase from Pseudomonas fluorescens UK-1. Mäntsälä P. **Acta Chem Scand [B]** 1980;34(5):385–6

Comparison of D-malate and beta, beta-dimethylmalate dehydrogenases from Pseudomonas fluorescens UK-1. Lähdesmäki M, et al. **Biochim Biophys Acta** 1980 Jun 13; 613(2):266–74

Evidence for the importance of cysteine and arginine residues in Pseudomonas fluorescens UK-1 pantoate dehydrogenase. Myöhänen T, et al. **Biochim Biophys Acta** 1980 Aug 7;614(2):266–73

Inducible catalase in Pseudomonas fluorescens. Rodriguez-Bravo S, et al. **Biochimie** 1981 Jun;63(6):535–40

Primary and tertiary structure studies of p-hydroxybenzoate hydroxylase from Pseudomonas fluorescens. Isolation and alignment of the CNBr peptides; interactions of the protein with flavin adenine dinucleotide. Hofsteenge J, et al. **Eur J Biochem** 1980 Dec;113(1):141–50

The amino-acid sequence of the three smallest CNBr peptides from p-hydroxybenzoate hydroxylase from Pseudomonas fluorescens. Vereijken JM, et al. **Eur J Biochem** 1980 Dec; 113(1):151–7

Fluorimetric assay of the activity of extracellular lipases of Pseudomonas fluorescens and Serratia marcescens. Roy RN. **J Appl Bacteriol** 1980 Oct;49(2):265–71

Glutamine synthetase of pseudomonads: some biochemical and physicochemical properties. Meyer JM, et al. **J Bacteriol** 1981 May;146(2):705–12

[Structural organization of the bacterial nucleoid using endonucleolysis] Kharchenko EP, et al. **Biokhimiia** 1980 Oct;45(10):1850–8 (Eng. Abstr.) **(Rus)**

[Localization of metabolites which are regulators of extracellular protease synthesis in Pseudomonas fluorescens bacteria] Vilu RO, et al. **Mikrobiologiia** 1980 Sep–Oct; 49(5):708–14 (Eng. Abstr.) **(Rus)**

GENETICS

Evolution in Pseudomonas fluorescens. Champion AB, et al. **J Gen Microbiol** 1980 Oct;120(Pt 2):485–511

ISOLATION & PURIFICATION

Pelvic inflammatory disease due to Pseudomonas fluorescens in patient wearing an intrauterine device [letter] Foulon W, et al. **Lancet** 1981 Aug 15;2(8242):358–9

METABOLISM

Assimilatory nitrate uptake in Pseudomonas fluorescens studied using nitrogen-13. Betlach MR, et al. **Arch Microbiol** 1981 Apr;129(2):135–40

[Pseudomonas fluorescens, a producer of antibiotic substances] Kiprianova EA, et al. **Antibiotiki** 1981 Feb; 26(2):135–43 (57 ref.) **(Rus)**

PHYSIOLOGY

[Resting state in Pseudomonas fluorescens induced by a prolonged water deficit] Shevtsova II, et al. **Mikrobiologiia** 1980 Nov–Dec;49(6):888–92 (Eng. Abstr.) **(Rus)**

PSEUDOMONAS INFECTIONS

Malignant external otitis with multiple cranial nerve involvement. Damiani JM, et al. **Am J Otol** 1979 Oct; 1(2):115–20

Pseudomonas putrefaciens and group A beta-hemolytic streptococcus septicemia. Eschete ML, et al. **Arch Intern Med** 1980 Nov;140(11):1533–4

The gram-negative bacillary pneumonias. Lerner AM. **DM** 1980 Nov;27(2):1–56 (78 ref.)

Experimental Pseudomonas keratitis in the rabbit: bacteriologic, clinical, and microscopic observations. Van Horn DL, et al. **Invest Ophthalmol Vis Sci** 1981 Feb; 20(2):213–21

Gangrene of the genitalia in children with pseudomonas sepsis. Rabinowitz R, et al. **J Urol** 1980 Sep;124(3):431–2

Outbreak of plaster-associated Pseudomonas infection [letter] Houang ET, et al. **Lancet** 1981 Mar 28;1(8222):728–9

Malignant external otitis due to Pseudomonas aeruginosa in childhood. Sherman P, et al. **Pediatrics** 1980 Nov; 66(5):782–3

[Late complication following glaucoma surgery] Breebaart AC. **Ned Tijdschr Geneeskd** 1980 Oct 25;124(43):1809–11 **(Dut)**

[Pseudomonas endocarditis on aortic valve prosthesis. Successful treatment by association of tobramycin-rifampicin-colistin and two reinterventions. Follow-up of 5 years (author's transl)] Dor V, et al. **Ann Chir** 1981;35(3):163–5 (Eng. Abstr.) **(Fre)**

[Necrotizing otitis in diabetics: apropos of a case] Chamayou P, et al. **J Fr Otorhinolaryngol** 1981 Jun;30(6):407–12 **(Fre)**

[A rare complication of aplastic anemia due to Lindane intoxication] Schimmel M, et al. **Harefuah** 1980 Apr 15; 98(8):355–6 (Eng. Abstr.) **(Heb)**

BLOOD

Bacteremia: host-specific lung clearance and pulmonary failure. Crocker SH, et al. **J Trauma** 1981 Mar;21(3):215–20

COMPLICATIONS

Palatopharyngeal and lower extremity soft tissue loss in an infant secondary to Pseudomonas gangrenous cellulitis. Schuster DI. **Ann Plast Surg** 1981 Feb;6(2):138–41

Septic arthritis of the sternomanubrial joint due to Pseudomonas pseudomallei. Borgmeier PJ, et al. **Arthritis Rheum** 1980 Sep;23(9):1057–9

Positive immediate skin tests in cystic fibrosis: a possible role for Pseudomonas infection. Clarke CW, et al. **Br J Dis Chest** 1981 Jan;75(1):15–21

Experimental osteomyelitis due to Staphylococcus aureus or Pseudomonas aeruginosa: a radiographic-pathological correlative analysis. Norden CW, et al. **Br J Exp Pathol** 1980 Aug;61(4):451–60

Pseudomonas ophthalmia neonatorum: a cause of blindness. Cole GF, et al. **Br Med J** 1980 Aug 9;281(6237):440–1

Pseudomonas aeruginosa endocarditis in a child with tetralogy of Fallot. Faden H, et al. **Clin Pediatr (Phila)** 1981 Feb;20(2):144

Malignant external otitis: now a medical problem. Giordano JA, et al. **Diabetes Care** 1980 Sep–Oct;3(5):611–4

Epidemiology of pseudomonas infection in burn ward. Sengupta SR, et al. **Indian J Pathol Microbiol** 1980 Oct; 23(4):241–5

Role of adherence in the pathogenesis of Pseudomonas aeruginosa lung infection in cystic fibrosis patients. Woods DE, et al. **Infect Immun** 1980 Dec;30(3):694–9

Pneumonia and septicemia due to Pseudomonas cepacia in a patient with cystic fibrosis. Rosenstein BJ, et al. **Johns Hopkins Med J** 1980 Nov;147(5):188–9

Pyopneumothorax as a complication of Pseudomonas aeruginosa bronchopneumonia: a case report. Schwarz KO, et al. **Mt Sinai J Med (NY)** 1981 Mar–Apr;48(2):146–8

Massive scleral necrosis from a pseudomonas infection following scleral buckling and pars plana vitrectomy surgery. Zinn KM, et al. **Mt Sinai J Med (NY)** 1980 Nov–Dec;47(6):618–21

Unilateral pulmonary oedema and Pseudomonas pneumonia. Uppington J, et al. **Postgrad Med J** 1980 Sep;56(659):677–8

Malignant external otitis in a nondiabetic adult. Sutherland GE. **South Med J** 1981 Apr;74(4):516

[Self-amputation of the gallbladder in acute cholecystitis caused by mixed (aerobic and anaerobic) flora] Deredzhian A, et al. **Khirurgiia (Sofiia)** 1981;34(2):198–200 **(Bul)**

[Pseudomonas aeruginosa meningitis in a 4-month-old girl, cured with antibiotic and autovaccine therapy] Sangiorgi A, et al. **Minerva Pediatr** 1981 Jan 31;33(2):67–71 (Eng. Abstr.) **(Ita)**

[Pulmonary edema associated with Pseudomonas neonatal sepsis (author's transl)] Krauel J, et al. **An Esp Pediatr** 1980 Nov;13(11):965–70 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Malignant external otitis of childhood. Horn KL, et al. **Am J Otol** 1981 Apr;2(4):402–4

Pseudobacteremia attributed to contamination of povidone-iodine with Pseudomonas cepacia. Berkelman RL, et al. **Ann Intern Med** 1981 Jul;95(1):32–6

Pseudomonas chromonychia. Chapel TA, et al. **Cutis** 1981 Jun;27(6):601–2

Rapid detection of Gram-negative bacteriuria by Limulus amoebocyte lysate assay. Nachum R, et al. **J Clin Microbiol** 1981 Jan;13(1):158–62

Outbreak of pseudomonas paucimobilis in an intensive care facility. Crane LR, et al. **JAMA** 1981 Aug 28;246(9):985–7

Pseudomonas osteomyelitis of patella. Mund DJ, et al. **NY State J Med** 1981 Feb;81(2):213–4

[Serological typing of strains fo Pseudomonas aeruginosa. I. Clinical and epidemiological considerations] Berti P, et al. **Ann Sclavo** 1980 Jul–Aug;22(4):698–708 **(Ita)**

[Diagnosis and treatment of interintestinal abscesses] Kamiński P, et al. **Pol Przegl Chir** 1980 JUN;52(6):499–505 (Eng. Abstr.) **(Pol)**

[Tumor-like osteomyelitis simulating fibrous dysplasia of bone] Górecki A, et al. **Wiad Lek** 1981;34(7):611–4 (Eng. Abstr.) **(Pol)**

[Hospital Pseudomonas pyocyanea infection and its early diagnosis] Kamaev MF, et al. **Vestn Khir** 1981 Apr; 126(4):81–5 **(Rus)**

DRUG THERAPY

Clinical trial of piperacillin with acquisition of resistance by Pseudomonas and clinical relapse. Simon GL, et al. **Antimicrob Agents Chemother** 1980 Jul;18(1):167–70

Gentamicin and tobramycin compared in the treatment of mucoid pseudomonas lung infections in cystic fibrosis. Martin AJ, et al. **Arch Dis Child** 1980 Aug;55(8):604–7

Amikacin treatment of Pseudomonas-caused corneal ulcer. Hansen KD, et al. **Arch Ophthalmol** 1980 Nov; 98(11):1991–2

Route of antibiotic administration in bacterial keratitis. Leibowitz HM, et al. **Arch Ophthalmol** 1981 Aug; 99(8):1420–3

Sulfadiazine silver-resistant Pseudomonas in Burns. New topical agents. Modak SM, et al. **Arch Surg** 1981 Jul; 116(7):854–7

Pseudomonas septicaemia [letter] Hopkin DA. **Br Med J** 1980 Jul 5;281(6232):62

Azlocillin. **Drug Ther Bull** 1981 Aug 14;19(17):65–6

High dosage tobramycin treatment of children with cystic fibrosis. Bacteriological effect and clinical ototoxicity. Thomsen J, et al. **Int J Pediatr Otorhinolaryngol** 1979 Jul; 1(1):33–40

The use of aminoglycosides in a regional burn unit. Eve MD, et al. **J Antimicrob Chemother** 1981 Jul;8 Suppl A:11–5

Antibiotics of choice in suspected serious sepsis. Levin S. **J Antimicrob Chemother** 1981 Jul;8 Suppl A:133–42

New cephalosporins and related compounds. Shannon KP. **J Antimicrob Chemother** 1980 Jul;6(4):430–3

Antipseudomonal activity of beta-lactam antibiotics [letter] Sleigh JD, et al. **J Antimicrob Chemother** 1981 Apr; 7(4):446–8

Sisomicin: an aminoglycoside antibiotic that is highly effective against Pseudomonas. Sanders WE Jr, et al. **J Int Med Res** 1981;9(3):168–76

Ticarcillin therapy of risk patients with infections due to Pseudomonas aeruginosa. Welter J, et al. **J Int Med Res** 1981;9(1):44–51

Clinical approach to the choice of antimicrobial therapy, case 19: gram-negative bacillary meningitis. Melo JC, et al. **J Ky Med Assoc** 1980 Aug;78(8):455–9

A double-blind controlled trial of anti-Pseudomonas chemotherapy of acute respiratory exacerbations in patients with cystic fibrosis. Hyatt AC, et al. **J Pediatr** 1981 Aug; 99(2):307–14

Zinc tape treatment of burns infected by Pseudomonas aeruginosa: an experimental study on guinea pigs. Hallmans G, et al. **Scand J Plast Reconstr Surg** 1980;14(3):221–7

Experimental infection in rabbits evoked by Pseudomonas aeruginosa, Proteus mirabilis, Escherichia coli and Klebsiella pneumoniae treated with gentamicin, amikacin and sisomicin. Jeljaszewicz J, et al. **Zentralbl Bakteriol [A]** 1980 Aug;247(3):347–52

[Preliminary observation on respiratory infection of Pseudomonas aeruginosa treated with ultrasonic aerosol inhalation of polymyxin B (author's transl)] Li XW. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1980 Feb;3(2):79–80 **(Chi)**

[Cefotaxime in septicaemia and severe infections due to multiresistant Gram-negative bacilli (author's transl)] Dureux JB, et al. **Nouv Presse Med** 1981 Feb 26;10(8):601–6 (Eng. Abstr.) **(Fre)**

[The influence of cortisone in treatment of pseudomonas aeruginosa keratitis in rabbit eyes] Behrens-Baumann W, et al. **Klin Monatsbl Augenheilkd** 1981 Mar;178(3):200–2 (Eng. Abstr.) **(Ger)**

[Treatment of Pseudomonas aeruginosa keratitis with tobramycin and gentamicin: animal experiments (author's transl)] Behrens-Baumann W, et al. **Klin Monatsbl Augenheilkd** 1981 Mar;178(3):197–9 (Eng. Abstr.) **(Ger)**

[Piperacillin, a new penicillin] **Med Welt** 1981 Apr 17; 32(16):Suppl 121–3 **(Ger)**

[Value of orbicin iv infusions in severe surgical infections. Serum level and clinical effect] Moorthi K, et al. **Med Welt** 1980 Aug 22;31(34):1209–10 **(Ger)**

[In vitro activity of a new cephalosporin--cefoperazone--against Enterobacteriaceae and Pseudomonas aeruginosa] Modde H. **Schweiz Med Wochenschr** 1981 Mar 7;111(10):356–8 (Eng. Abstr.) **(Ger)**

[Our experience with amikacin. Preliminary observations] Paradisi F, et al. **G Ital Chemioter** 1979 Jan–Dec; 26(1–2):57–62 **(Ita)**

[Combination of antibiotics and sodium nucleinate in the therapy of an experimental mixed infection due to pyogenic bacteria] Bogdanova LF, et al. **Antibiotiki** 1980 Dec; 25(12):921–4 (Eng. Abstr.) **(Rus)**

[Pseudomonas aeruginosa sensitivity to boric acid, carbenicillin and deposul and their potential use in treating Pseudomonas aeruginosa infection] Litovchenko PP, et al. **Mikrobiol Zh** 1981 May–Jun;43(3):369–72 (Eng. Abstr.) **(Rus)**

[Antibiotic treatment of complicated forms of acute suppurative destructive pneumonia in children] Sergeev VM, et al. **Sov Med** 1980;(12):22–6 (Eng. Abstr.) **(Rus)**

[Treatment with intravenous nalidixic acid in infections with gram negative microorganisms] Maqueda Sánchez S, et al. **Rev Clin Esp** 1980 Dec 15;159(5):345–8 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

[Urinary lysozyme activity in acute urinary tract infections in children] Ziobro J, et al. **Pediatr Pol** 1980 Jun; 55(6):739–42 (Eng. Abstr.) **(Pol)**

ETIOLOGY

A case of total keratomalacia due to soft contact lens wearing. Kroll P, et al. **Ann Ophthalmol** 1980 Dec;12(12):1374–6

Adherence of Pseudomonas aeruginosa to the injured cornea: a step in the pathogenesis of corneal infections. Ramphal R, et al. **Ann Ophthalmol** 1981 Apr;13(4):421–5

Hydrotherapy: an outbreak of Pseudomonas aeruginosa wound infections related to Hubbard tank treatments. McGuckin MB, et al. **Arch Phys Med Rehabil** 1981 Jun; 62(6):283–5

Experimental Pseudomonas aeruginosa pneumonia. Meitert E, et al. **Arch Roum Pathol Exp Microbiol** 1979 Apr–Jun; 38(2):167–72

The role of extracellular products of Pseudomonas aeruginosa in the pathogenesis of infection; an experimental study employing intraperitoneal diffusion chambers. Al-Ssum RM, et al. **Br J Exp Pathol** 1980 Dec;61(6):551–9

Pseudomonas endophthalmitis associated with scleral necrosis. Tarr KH, et al. **Br J Ophthalmol** 1980 Sep; 64(9):676–9

Pseudomonas fluorescens cross-infection due to contaminated humidifier water. Redding PJ, et al. **Br Med J** 1980 Jul 26;281(6235):275

Pseudomonas osteomyelitis following puncture wounds of the foot in children. Das De S, et al. **Injury** 1981 Jan; 12(4):334–9

Pseudomonas denitrificans meningitis. Fischer RA, et al. **J Clin Microbiol** 1981 May;13(5):1004–6

Pseudomonas pickettii bacteremia. Fujita S, et al. **J Clin Microbiol** 1981 Apr;13(4):781–2

Pseudomonas paucimobilis bacteremia. Southern PM Jr, et al. **J Clin Microbiol** 1981 Jun;13(6):1070–3

Evidence for the role of toxin A in the pathogenesis of infection with Pseudomonas aeruginosa in humans. Cross AS, et al. **J Infect Dis** 1980 Oct;142(4):538–46

Corneal infections in mice with toxin A and elastase mutants of Pseudomonas aeruginosa. Ohman DE, et al. **J Infect Dis** 1980 Oct;142(4):547–55

The role of exotoxins in the pathogenesis of Pseudomonas aeruginosa infections. Young LS. **J Infect Dis** 1980 Oct; 142(4):626–30

Pelvic inflammatory disease due to Pseudomonas fluorescens in patient wearing an intrauterine device [letter] Foulon W, et al. **Lancet** 1981 Aug 15;2(8242):358–9

Severe corneal infection in a contact lens wearer [letter] Sjöstrand J, et al. **Lancet** 1981 Jan 17;1(8212):149–50

Pseudobacteremia caused by povidone-iodine solution contaminated with Pseudomonas cepacia. Craven DE, et al. **N Engl J Med** 1981 Sep 10;305(11):621–3

Endoscopic retrograde cholangio-pancreatography: related nosocomial infections. Schousboe M, et al. **NZ Med J** 1980 Oct 8;92(669):275–7

Follicular dermatitis outbreak caused by Pseudomonas aeruginosa associated with a motel's indoor swimming pool. Hopkins RS, et al. **Public Health Rep** 1981 May–Jun; 96(3):246–9

[The hidden source; hospital infection caused by endoscopes contaminated with Pseudomonas aeruginosa used in gastroenterology] Ansink-Schipper MC, et al. **Ned Tijdschr Geneeskd** 1981 Jun 13;125(24):956–9 (Eng. Abstr.) **(Dut)**

[Ophthalmia neonatorum from contaminated water] Salminen L, et al. **Duodecim** 1980;96(14):964–7 (Eng. Abstr.) **(Fin)**

[Neonatal pseudomonas aeruginosa sepsis. Unusual complications of a disease] Korányi G, et al. **Orv Hetil** 1980 Nov 30;121(48):2923–7 **(Hun)**

[Epidemiological aspects of necrotizing enterocolitis in newborn infants] Klinowska W, et al. **Pediatr Pol** 1981 Feb; 56(2):121–5 (Eng. Abstr.) **(Pol)**

[Mass poisoning with stew contaminated with Pseudomonas aeruginosa] Rokoszewska J, et al. **Rocz Panstw Zakl Hig** 1980;31(3):253–6 (Eng. Abstr.) **(Pol)**

[Septic endocarditis due to Gram-negative nonfermenting flora after open-heart operations] Konstantinov BA, et al. **Khirurgiia (Mosk)** 1981 May;(5):88–92 **(Rus)**

IMMUNOLOGY

Impairment of cellular immunity in patients with malignant external otitis. Yust I, et al. **Acta Otolaryngol (Stockh)** 1980 Nov-Dec;90(5–6):398–403

Antibody response in patients with Pseudomonas aeruginosa infection to a 'common antigen' from P. aeruginosa analysed by means of quantitative immunoelectrophoretic methods. Høiby N, et al. **Acta Pathol Microbiol Scand [C]** 1980 Jun;88C(3):149–54

Slime glycolipoproteins and the pathogenicity of various strains of Pseudomonas aeruginosa in experimental infection. Dimitracopoulos G, et al. **Infect Immun** 1980 Nov;30(2):402–8

Serotype-nonspecific protection induced by ribonucleic acid isolated from the ribosomal vaccine of Pseudomonas aeruginosa. Gonggrijp R, et al. **Infect Immun** 1981 Jul; 33(1):178–85

Protection against experimental Pseudomonas aeruginosa infection in mice by active immunization with exotoxin A toxoids. Pavlovskis OR, et al. **Infect Immun** 1981 May; 32(2):681–9

Specific Pseudomonas immunoglobulin E antibodies in sera of patients with cystic fibrosis. Shen J, et al. **Infect Immun** 1981 May;32(2):967–8

Detection of Pseudomonas aeruginosa antigenemia in granulocytopenic rabbits by radioimmunoassay. Kohler RB, et al. **J Clin Microbiol** 1980 Jul;12(1):39–43

Mouse footpad infection by Pseudomonas aeruginosa: evidence for delayed hypersensitivity to specific bacterial antigen. Garzelli C, et al. **Med Microbiol Immunol (Berl)** 1980;168(2):111–8

Isolation of a factor from cancer ascitic fluid increasing susceptibility of mice to Pseudomonas infection. Umenai T, et al. **Proc Soc Exp Biol Med** 1980 Dec;165(3):398–403

Phytohaemagglutinin stimulation of lymphocytes in infections due to Pseudomonas aeruginosa. Petrás G, et al. **Zentralbl Bakteriol [A]** 1980;248(3):374–83

[Studies on the increased susceptibility to infections in streptozotocin-induced diabetic mice. Altered resistance against Listeria monocytogenes and Pseudomonas aeruginosa infection (author's transl)] Kitahara Y. **Fukuoka Igaku Zasshi** 1980 Jun;71(6):289–301 (Eng. Abstr.) **(Jpn)**

[Nitroblue tetrazolium test in generalized bacterial infections in newborn infants] Ogińska Z. **Pol Tyg Lek** 1980 Apr 28; 35(17):623–5 (Eng. Abstr.) **(Pol)**

[Dynamics of humoral antibody formation against the O-antigen of Pseudomonas aeruginosa in suppurative diseases] Zarubina EK, et al. **Khirurgiia (Mosk)** 1980 Nov; (11):47–52 (Eng. Abstr.) **(Rus)**

[Indicators of humoral immunity and allergy in Pseudomonas infection with septicemia] Zarubina EK, et al. **Sov Med** 1980;(12):46–50 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Community-acquired bacteremic Pseudomonas pneumonia in a health adult. Hoogwerf BJ, et al. **Am Rev Respir Dis** 1981 Jan;123(1):132–4

Influence of mucoid coating on clearance of Pseudomonas aeruginosa from lungs. Blackwood LL, et al. **Infect Immun** 1981 May;32(2):443–8

Pseudomonas aeruginosa enzyme profiling: predictor of potential invasiveness and use as an epidemiological tool. Janda JM, et al. **J Clin Microbiol** 1981 Jul;14(1):55–60

[Slime from a mucoid strain of Pseudomonas aeruginosa in mucoviscidosis and other respiratory diseases (author's transl)] Marty N, et al. **Ann Pediatr (Paris)** 1981 Apr; 28(4):261–5 (Eng. Abstr.) **(Fre)**

[A study on microbiological characteristics and sensitivity to antibiotics of 108 'Pseudomonas aeruginosa' strains collected during hospital infections (author's transl)] De Vito DD. **Ann Sclavo** 1979 Jul–Aug;21(4):425–34 (Eng. Abstr.) **(Ita)**

[Observations on antibiotic sensitivity of 'Pseudomonas aeruginosa' strains isolated in pediatric wards (author's transl)] D'Antonio D, et al. **Quad Sclavo Diagn** 1979 Jun; 15 Suppl 1:700–3 (Eng. Abstr.) **(Ita)**

[Clinical and bacteriological study on Pseudomonas cepacia infection. II. Meningitis due to Pseudomonas cepacia (author's transl)] Igari J, et al. **Kansenshogaku Zasshi** 1980 Jul;54(7):331–7 (Eng. Abstr.) **(Jpn)**

[Clinical and bacteriological aspects of 7 patients with meningitis due to Pseudomonas aeruginosa (author's transl)] Igari J, et al. **Kansenshogaku Zasshi** 1981 Jan;55(1):41–6 (Eng. Abstr.) **(Jpn)**

[Pseudomonas aeruginosa in the vascular surgery department] Cybulski Z, et al. **Przegl Epidemiol** 1980;34(3):277–84 (Eng. Abstr.) **(Pol)**

[CLearance of Pseudomonas aeruginosa from the lungs in experimental burn trauma] Matveeva EA, et al. **Arkh Patol** 1981;43(6):59–64 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Epidemiology of Pseudomonas aeruginosa infection in patients treated at a cystic fibrosis centre. Høiby N, et al. **Acta Pathol Microbiol Scand [B]** 1980 Jun;88B(3):125–31

An outbreak of otitis externa in competitive swimmers due to Pseudomonas aeruginosa. Reid TM, et al. **J Hyg (Lond)** 1981 Jun;86(3):357–62

['Pseudomonas aeruginosa' in the hospital of Avellino, and the presence of colonies in the obstetric, pediatric and neonatal wards. A microbiological and epidemiological study (author's transl)] Guarino A, et al. **Quad Sclavo Diagn** 1979 Jun;15 Suppl 1:704–21 (Eng. Abstr.) **(Ita)**

['Pseudomonas aeruginosa' in the hospital of Avellino, and the presence of colonies in the obstetric, pediatric and neonatal wards. A microbiological study of the environment and of hygienic and prophylactic measures (author's transl)] Guarino A, et al. **Quad Sclavo Diagn** 1979 Jun;15 Suppl 1:722–35 (Eng. Abstr.) **(Ita)**

[Still current aspects of primary pulmonary suppurations] Unteanu G. **Rev Ig [Pneumoftiziol]** 1981 Jan–Mar; 30(1):21–6 (Eng. Abstr.) **(Rum)**

PATHOLOGY

Pseudomonas aeruginosa scleritis. Codère F, et al. **Am J Ophthalmol** 1981 Jun;91(6):706–10

Histopathology of Pseudomonas osteomyelitis of the temporal bone starting as malignant external otitis. Nadol JB Jr. **Am J Otolaryngol** 1980 Nov;1(5):359–71

Pseudomonas pneumonia of mink: pathogenesis, vaccination, and serologic studies. Long GG, et al. **Am J Vet Res** 1980 Oct;41(10):1720–5

Ultrastructural observations in an alcoholic patient with post-surgical pseudomonas infection. Coppola A, et al. **Ann Clin Lab Sci** 1981 Mar–Apr;11(2):152–7

PHYSIOPATHOLOGY

Influence of opsonic fibronectin deficiency on lung fluid balance during bacterial sepsis. Niehaus GD, et al. **J Appl Physiol** 1980 Oct;49(4):693–9

PREVENTION & CONTROL

Topical and systemic antimicrobial agents in burns. Ollstein RN, et al. **Ann Plast Surg** 1980 Nov;5(5):386–92

Bacteriological and histopathological estimation of Aerodin efficacy administered by respiratory way to mice and guinea pigs experimentally infected. Popescu C, et al. **Arch Roum Pathol Exp Microbiol** 1979 Apr–Jun; 38(2):155–66

Effect of active and passive immunization on the development of experimental Pseudomonas aeruginosa pyelonephritis in mice. Petit JC, et al. **Can J Microbiol** 1981 Jan;27(1):93–7

Polyvalent antisera to Pseudomonas ribosomal vaccines: protection of mice against clinically isolated strains. Lieberman MM, et al. **Infect Immun** 1980 Aug;29(2):489–93

Burn sepsis: bacterial interference with Pseudomonas aeruginosa. Levenson SM, et al. **J Trauma** 1981 May; 21(5):364–71

Controlled trial of Pseudomonas immunoglobulin and vaccine in burn patients. Jones RJ, et al. **Lancet** 1980 Dec 13;2(8207):1263–5

Mouse-protection experience with monovalent Pseudomonas aeruginosa vaccine. Sourek J, et al. **Zentralbl Bakteriol [A]** 1980 Mar;246(3):353–62

[Immunogenic properties of a polyvalent vaccine against Pseudomonas aeruginosa] Serafińska D, et al. **Pol Tyg Lek** 1980 Jul 7;35(27):1013–5 (Eng. Abstr.) **(Pol)**

[Clinical use of a Soviet polyvalent corpuscular pyocyanic vaccine for the prevention of Pseudomonas aeruginosa infection in thermal burn victims] Gerasimova LI, et al. **Khirurgiia (Mosk)** 1980 Nov;(11):36–41 (Eng. Abstr.) **(Rus)**

[Development of immunological preparations and their use for preventing and treating pyocyanic infection in burn patients] Kolker II, et al. **Probl Gematol Pereliv Krovi** 1981 Jan;26(1):29–33 (Eng. Abstr.) **(Rus)**

[Protective properties of antigenic preparations of Pseudomonas aeruginosa] Grishina IA, et al.

Zh Mikrobiol Epidemiol Immunobiol 1980 Jun;(6):63–7 (Eng. Abstr.) **(Rus)**

[Cell-free pseudomonas vaccine. I. Enzyme properties and virulence of strains of P. aeruginosa; protective activity of their water-soluble antigens] Stanislavskil ES, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Aug;(8):66–72 (Eng. Abstr.) **(Rus)**

[Effect of the protective properties of antisera and immunoglobulin to antigens of Pseudomonas aeruginosa slime] Zaidner IG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Oct;(10):52–7 (Eng. Abstr.) **(Rus)**

SURGERY

Pseudomonas corneal ulcer treated by full-thickness graft in a lamellar bed. Moretti JF. **Ann Ophthalmol** 1981 Feb; 13(2):233–4

[Keratoplasty in the overall treatment of Pseudomonas aeruginosa infection of the cornea] Gudkova LS, et al. **Oftalmol Zh** 1980;35(7):445–6 **(Rus)**

THERAPY

Pseudomonas immunoglobulin and vaccine in burn patients [letter] Bose B. **Lancet** 1981 Feb 21;1(8217):435

Cystic fibrosis: the welcome problems of success/Part 1. Guidoitti TL, et al. **Md State Med J** 1981 Mar;30(3):68, 71–3

[The use of soft contact lens in corneal infection by Pseudomonas aeruginosa (author's transl)] Szymankiewiczowa S, et al. **Klin Oczna** 1980 Sep; 82(9):467–8 (Eng. Abstr.) **(Pol)**

[Our experience with the treatment of burns with sheep serum against Pseudomonas aeruginosa] Orłowski T, et al. **Wiad Lek** 1980 Nov 1;33(21):1697–701 (Eng. Abstr.) **(Pol)**

[Treatment of septico-pyemic lung abscesses] Lukomskil GI, et al. **Grudn Khir** 1981 Mar–Apr;(2):40–3 (Eng. Abstr.) **(Rus)**

[Suppurative-destructive lobitis] Mustafin GD. **Klin Med (Mosk)** 1981 Jan;59(1):70–3 (Eng. Abstr.) **(Rus)**

TRANSMISSION

Pseudomonas cross-infection due to contaminated humidifier water [letter] Goodison RR. **Br Med J** 1980 Nov 8; 281(6250):1288

Gentamicin-resistant Pseudomonas aeruginosa infection from mattresses in a burns unit. Fujita K, et al. **Br Med J [Clin Res]** 1981 Jul 18;283(6285):219–20

Carriage of Pseudomonas aeruginosa by laboratory animals. Srivastava L, et al. **Indian J Pathol Microbiol** 1980 Jul; 23(3):181–4

VETERINARY

Otitis externa in dog due to 'Pseudomonas aeruginosa': an experimental study. Sinha BK, et al. **Ann Sclavo** 1980 May–Jun;22(3):370–3

Inner ear disease characterized by rolling in C3H mice. Kohn DF, et al. **J Am Vet Med Assoc** 1980 Nov 1;177(9):815–7

Tetracycline for oral treatment of canine urinary tract infection caused by Pseudomonas aeruginosa. Ling GV, et al. **J Am Vet Med Assoc** 1981 Sep 15;179(6):578–9

Release of angiotensin converting enzyme by the lung after Pseudomonas bacteremia in sheep. Gorin AB, et al. **J Clin Invest** 1981 Jul;68(1):163–70

Pseudomonas aeruginosa in rabbit fur. Schoenbaum M. **Lab Anim** 1981 Jan;15(1):5

Morphology of sulfur granules produced by Pseudomonas aeruginosa in cows. Kubo M, et al. **Natl Inst Anim Health Q (Tokyo)** 1981 Spring;21(1):26–31

An outbreak of mastitis in a dairy herd due to Pseudomonas aeruginosa contamination of dry-cow therapy at manufacture. Nicholls TJ, et al. **Vet Rec** 1981 Jan 31; 108(5):93–6

Comparison of the effects of a multi-component vaccine and a formalin-killed cell vaccine on protection against enzootic of hemorrhagic pneumonia due to Pseudomonas aeruginosa in mink. Abe C, et al. **Zentralbl Bakteriol [A]** 1981 Aug;249(3):413–7

PSEUDONEUROTIC SCHIZOPHRENIA see **SCHIZOTYPAL PERSONALITY DISORDER**

PSEUDOPODIA

PHYSIOLOGY

Pseudopods and synapses: the amoeboid theories of neuronal mobility and the early formulation of the synapse concept, 1894–1900. Black SE. **Bull Hist Med** 1981 Spring; 55(1):34–58

Effect of colcemid on the distribution of pseudopodial activity in fibroblasts. Microtubule-independent stabilization of cell surface. Ivanova OY, et al. **Exp Cell Res** 1980 Aug;128(2):457–61

Ingestion of latex beads by filopodia of adherent mouse peritoneal macrophages. A scanning electron microscopical and reflection contrast microscopical study. Koerten HK, et al. **Exp Cell Res** 1980 Aug;128(2):470–5

ULTRASTRUCTURE

Basal cell pseudopodia in cervical intraepithelial neoplasia; progressive reduction of number with severity: a morphometric quantification. Twiggs LB, et al. **Am J Obstet Gynecol** 1981 Mar 15;139(6):640–4

Hormone-induced filopodium formation and movement of pigment, carotenoid droplets, into newly formed filopodia. Lo SJ, et al. **Cell Tissue Res** 1980;210(3):371–82

Specializations in filopodial membranes at points of attachment to the substrate. Robinson JM, et al. **J Cell Biol** 1980 Dec;87(3 Pt 1):562–8

Studies on the motility of the foraminifera. I. Ultrastructure of the reticulopodial network of Allogromia laticollaris (Arnold). Travis JL, et al. **J Cell Biol** 1981 Jul;90(1):211–21

PSEUDOPOLYARTHRITIS, RHIZOMELIC see **POLYMYALGIA RHEUMATICA**

PSEUDOPREGNANCY

An investigation into the origin of the pro-oestrus/oestrus change in pituitary responsiveness to LRH of the pseudopregnant rat. Schuiling GA, et al. **Acta Endocrinol (Copenh)** 1981 Mar;96(3):301–8

Ovum transport in pregnant, pseudopregnant, and cyclic rats and its relationship to estradiol and progesterone blood levels. Forcelledo ML, et al. **Biol Reprod** 1981 May; 24(4):760–5

Relationship between progesterone and prolactin surges in aged and young pseudopregnant rats. Gilman DP, et al. **Biol Reprod** 1981 May;24(4):839–45

Endogenous rhythms of luteal and adrenal cholesterol ester hydrolase and serum PRL, LH and progesterone in mature pseudopregnant rats. Klemcke HG, et al. **Biol Reprod** 1980 Jun;22(5):1022–8

Effects of bromocriptine and PRL on luteal and adrenal cholesterol ester hydrolase and serum progesterone concentrations in mature pseudopregnant rats. Klemcke HG, et al. **Biol Reprod** 1980 Jun;22(5):1029–39

Changes in the size, distribution and steroid content of rabbit ovarian follicles during early pseudopregnancy. Osteen KG, et al. **Biol Reprod** 1980 Jun;22(5):1040–6

Prolactin in maintenance of the corpus luteum of early pseudopregnancy in the golden hamster. Harris KH, et al. **J Endocrinol** 1981 Aug;90(2):145–50

Radiolabelled uterine proteins during early pregnancy and pseudopregnancy in mice after unilateral ovariectomy and superovulation. Fishel SB. **J Reprod Fertil** 1980 Jul; 59(2):473–8

Assessment of the luteolytic potency of various prostaglandins in the pseudopregnant rabbit. Kehl SJ, et al. **J Reprod Fertil** 1981 May;62(1):117–22

Steroid concentrations in rabbit oviducal fluid during oestrus and pseudopregnancy. Richardson LL, et al. **J Reprod Fertil** 1981 Jul;62(2):427–31

Pituitary function during pseudopregnancy and lactation in the rat. Taya K, et al. **J Reprod Fertil** 1981 May;62(1):93–8

BLOOD

Comparison of serum progesterone, 20 alpha-dihydroprogesterone, and estradiol-17 beta in pregnant and pseudopregnant rabbits: evidence for postimplantation recognition of pregnancy. Browning JY, et al. **Biol Reprod** 1980 Dec;23(5):1014–9

Age-related temporal changes of levels of circulating progesterone in repeatedly pseudopregnant rats. Fayein NA, et al. **Biol Reprod** 1980 Oct;23(3):616–20

Changes in plasma progestin, prolactin, LH and FSH at luteal activation with phenobarbital anesthesia in the rat. Kaneko S. **Endocrinol Jpn** 1980 Aug;27(4):431–8

DIAGNOSIS

Pseudocyesis and sonography. Guzinski GM, et al. **Am J Obstet Gynecol** 1980 Sep 15;138(2):230–2

Pseudogestational sac in ectopic pregnancy: sonographic and pathologic correlation. Spirt BA, et al. **JCU** 1981 Jul–Aug; 9(6):338–40

DRUG EFFECTS

Delayed pseudopregnancy in the mouse. Milligan SR, et al. **J Reprod Fertil** 1980 Sep;60(1):49–51

ENZYMOLOGY

Tyrosine hydroxylase activity in the median eminence area of the pseudopregnant rat during surges of prolactin secretion. Voogt JL, et al. **Proc Soc Exp Biol Med** 1981 Feb;166(2):277–81

METABOLISM

Prostaglandin F2 alpha metabolites in plasma and urine during pseudopregnancy in the rabbit. Satoh K, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 1):748–54

Maintenance of receptors for luteinizing hormone by ovine placental lactogen in pseudopregnant rats. Chan JS, et al. **Biol Reprod** 1980 Aug;23(1):60–3

Uterine prostaglandin F2 alpha content and 20 alpha-hydroxysteroid dehydrogenase activity of individual ovarian compartments during pseudopregnancy in the rat. Doebler JA, et al. **Biol Reprod** 1981 May;24(4):871–8

Differential patterns of gonadotropin responses to ovarian steroids and to LH-releasing hormone between constant-estrous and pseudopregnant states in aging rats. Lu JK, et al. **Biol Reprod** 1980 Sep;23(2):345–51

Estrogen receptor in deciduoma cells separated by velocity sedimentation. Moulton BC, et al. **Endocrinology** 1981 Feb; 108(2):484–8

Source and regulation of testosterone secretion in pregnant and pseudopregnant rats. Sridaran R, et al. **Endocrinology** 1981 Mar;108(3):855–61

Protein anabolism in endometrium and myometrium during the growth of induced deciduoma in rats. Tarachand U, et al. **Experientia** 1980 Oct 15;36(10):1154–6

Cessation of progesterone secretion by LH-RH in hypophysectomized pregnant and hypophysectomized, prolactin injected pseudopregnant rats. Macdonald GJ, et al. **Int J Fertil** 1980;25(3):198–202

Immunocytochemical localization of receptor-bound human chorionic gonadotropin in pseudopregnant rat ovaries. Kinnunen R, et al. **J Histochem Cytochem** 1981 Jan; 29(1):9–16

[In vivo and in vitro incorporation of 3H-thymidine in the uterus of the rabbit during pseudopregnancy] Meyer JM. **C R Acad Sci [D] (Paris)** 1980 Sep 29;291(4):421–3 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Critical time period for the vagino-cervical stimulus to induce pseudopregnancy in the dioestrous rat. Soares MJ, et al. **Aust J Biol Sci** 1980 Dec;33(6):709–12

An ovarian role in prolonging and terminating the two surges of prolactin in pseudopregnant rats. Gorospe WC, et al. **Endocrinology** 1981 Apr;108(4):1293–8

Interruption of pseudopregnancy by rostral periventricular preoptic lesions in the female rat. Watanabe H, et al. **Endokrinologie** 1980 May;76(2):181–4

PSYCHOLOGY

[Diagnosis of Alvarez's syndrome] Petlitskil SI, et al. **Klin Med (Mosk)** 1981 May;59(5):95–6 **(Rus)**

PSEUDOPSYCHOPATHIC SCHIZOPHRENIA see **SCHIZOTYPAL PERSONALITY DISORDER**

PSEUDOPSYCHOSIS see **FACTITIOUS DISORDERS**

PSEUDORABIES

[Aujeszky's disease and its problems] Akkermans JP. **Tijdschrift Voor Diergeneeskd** 1981 Mar 15;106(6):332–7 **(Dut)**

BLOOD

[Hematological studies of pigs vaccinated against Aujeszky's disease] Dobrev V, et al. **Vet Med Nauki** 1980;17(5):80–5 (Eng. Abstr.) **(Bul)**

DIAGNOSIS

Research and diagnostic techniques used in chronic pseudorabies virus infections of swine. Smith PC. **Proc Annu Meet US Anim Health Assoc** 1979;(83):432–43

[Certain properties of the Aujeszky live vaccine 'Dessau' with special reference to laboratory diagnostic aspects] Lüpcke W. **Arch Exp Veterinaermed** 1980;34(1):79–86 (Eng. Abstr.) **(Ger)**

[Immunohistologic antigen demonstration and virus isolation in cell cultures in Aujeszky disease] Neumann W, et al. **Berl Munch Tieraerztl Wochenschr** 1981 Apr;94(7):128–30 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Effect of N, N'-bis(methylisatin-beta-thiosemicarbazone)-2-methylpip against virus-induced encephalitis in mice). Zgórniak-Nowosielska I, et al. **Acta Virol (Praha)** 1980 Dec;24(6):439–44

IMMUNOLOGY

Detection of pseudorabies virus antibodies: time of appearance by two serotests. Haffer K, et al. **Am J Vet Res** 1980 Aug;41(8):1317–8

[Direct solid-phase radioimmunoassay for the detection of Aujeszky's disease antibodies (author's transl)] Döller G, et al. **Zentralbl Bakteriol [A]** 1980 Jun;247(1):1–7 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Correlation between the pathogenicity of field strains of Aujeszky's disease virus and their ability to cause cell fusion — syncytia formation — in cell cultures. Bitsch V. **Acta Vet Scand** 1980;21(4):708–10

Isolation of pseudorabies virus from trigeminal ganglia of a latently infected sow. Gutekunst DE, et al. **Am J Vet Res** 1980 Aug;41(8):1315–6

Multiplication and distribution of Aujeszky's disease (pseudorabies) virus in vaccinated and non-vaccinated pigs after intranasal infection. Wittmann G, et al. **Arch Virol** 1980;66(3):227–40

Latency in pseudorabies vaccinated pigs. Crandell RA, et al. **Proc Annu Meet US Anim Health Assoc** 1979;(83):444–7

OCCURRENCE

[Serological studies on the prevalence of neutralizing antibodies against pseudorabies virus in pigs in Hessen (author's transl)] Bee HA, et al. **DTW** 1981 May 5; 88(5):168–9 (Eng. Abstr.) **(Ger)**

[Review of the occurrence of Aujeszky's disease virus in the Rhineland in special reference to the years 1976–1979 (author's transl)] Rothschuh L. **DTW** 1980 Aug 5; 87(8):304–6 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Studies on the pathogenesis of pseudorabies in domestic cats following oral inoculation. Hagemoser WA, et al. **Can J Comp Med** 1980 Apr;44(2):192–202

Placental lesions caused by pseudorabies virus in pregnant sows. Hsu FS, et al. **J Am Vet Med Assoc** 1980 Oct 1; 177(7):636–41

[Aujeszky's disease in South American coatis (Nasua nasua)] Eskens U, et al. **Berl Munch Tieraerztl Wochenschr** 1981; 94(6):105–8 (Eng. Abstr.) **(Ger)**

[Membrane-bound intranuclear inclusion bodies and their occurrence in Aujeszky's disease] Sapaev EA, et al. **Tsitol Genet** 1980 May–Jun;14(3):23–30 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Vaccination of dogs against pseudorabies (Aujeszky's disease), using an inactivated-virus vaccine. Pensaert MB, et al. **Am J Vet Res** 1980 Dec;41(12):2016–9

Test and removal procedures vs vaccination for control and eradication of pseudorabies in Missouri. Thawley DG, et al. **Proc Annu Meet US Anim Health Assoc** 1979; (83):448–63

Aujeszky's disease: need to press for eradication [editorial] **Vet Rec** 1980 Jul 12;107(2):27

[Vaccination in Aujeszky's disease on enzootic fattening farms] Motovski A, et al. **Vet Med Nauki** 1980;17(4):23–9 (Eng. Abstr.) **(Bul)**

[Plans for using vaccination in Aujeszky's disease] Motovski A, et al. **Vet Med Nauki** 1980;17(3):45–55 (Eng. Abstr.) **(Bul)**

[Trial of vaccination against Aujeszky's disease] Motovski A, et al. **Vet Med Nauki** 1980;17(5):32–7 (Eng. Abstr.) **(Bul)**

[The effect of vaccination on the intrauterine transmission of Aujeszky's disease virus in sows] Smíd B, et al. **Vet Med (Praha)** 1981 Mar;26(3):155–63 (Eng. Abstr.) **(Cze)**

[Comparison of 2 inactivated vaccines against Aujeszky's disease in pigs] Smíd B, et al. **Vet Med (Praha)** 1981; 26(6):337–43 (Eng. Abstr.) **(Cze)**

[Vaccination of 'non-swine' against Aujeszky's disease] Akkermans JP. **Tijdschr Diergeneeskd** 1980 Dec 15; 105(24):1084–5 **(Dut)**

[Recent studies on Aujesky's dissease in pigs and cattle (author's transl)] de Leeuw PW, et al. **Tijdschr Diergeneeskd** 1980 Sep 1;105(17):689–94 (Eng. Abstr.) **(Dut)**

[Studies on the resistance of fattening pigs following inoculation with various vaccines at an age of four to nine weeks (author's transl)] Tielen MJ, et al. **Tijdschr Diergeneeskd** 1980 Oct 1;105(19):827–34 (Eng. Abstr.) **(Dut)**

[Aujeszky disease in pigs: practicability of an ELISA for detection of serum antibodies (author's transl)] Forschner E, et al. **DTW** 1981 Apr 5;88(4):134–9 (Eng. Abstr.) **(Ger)**

[Immunization of cattle against Aujeszky's disease with inactivated adjuvant vaccine] Zuffa A, et al. **Vet Med (Praha)** 1981;26(5):257–70 (Eng. Abstr.) **(Slo)**

TRANSMISSION

Possible role of wild mammals in transmission of pseudorabies to swine. Kirkpatrick CM, et al. **J Wildl Dis** 1980 Oct; 16(4):601–14

VETERINARY

Antibody response of pigs to inactivated monovalent and bivalent vaccines for porcine parvovirus and pseudorabies virus. Mengeling WL, et al. **Am J Vet Res** 1980 Oct; 41(10):1569–71

PSEUDORABIES VIRUS

Enzymatic activity, ultrastructure and function in ganglia infected with a neurotropic virus. Dolivo M, et al. **Prog Brain Res** 1979;51:51–7

DRUG EFFECTS

[Comparative study of the antiviral activity of pancreatic and microbial RNAse] Alekseeva II, et al. **Antibiotiki** 1981 Jul;26(7):527–32 (Eng. Abstr.) **(Rus)**

GENETICS

The characteristics of the cell-free translation of mRNA from cells infected with the herpes virus pseudorabies virus. McGrath BM, et al. **J Gen Virol** 1980 Aug;49(2):323–32

GROWTH & DEVELOPMENT

New model cell systems (PK and XTC-2) for studying acute and persistent infections with herpes simplex and pseudorabies viruses. Szántó J, et al. **Acta Virol (Praha)** 1980 Jun;24(4):244–51

Multiplication and distribution of Aujeszky's disease (pseudorabies) virus in vaccinated and non-vaccinated pigs after intranasal infection. Wittmann G, et al. **Arch Virol** 1980;66(3):227–40

IMMUNOLOGY

Detection of pseudorabies virus antibodies: time of appearance by two serotests. Haffer K, et al. **Am J Vet Res** 1980 Aug;41(8):1317–8

Antibody response of pigs to inactivated monovalent and bivalent vaccines for porcine parvovirus and pseudorabies virus. Mengeling WL, et al. **Am J Vet Res** 1980 Oct; 41(10):1569–71

Vaccination of dogs against pseudorabies (Aujeszky's disease), using an inactivated-virus vaccine. Pensaert MB, et al. **Am J Vet Res** 1980 Dec;41(12):2016–9

A survey of antibodies to Aujeszky's disease virus in pigs. Durham PJ, et al. **NZ Vet J** 1980 Sep;28(9):179–80

Latency in pseudorabies vaccinated pigs. Crandell RA, et al. **Proc Annu Meet US Anim Health Assoc** 1979;(83):444–7

A simple and rapid immunoperoxidase test for the detection of virus antigens in tissue culture. Chasey D. **Vet Rec** 1980 Jun 14;106(24):506–7

[Hematological studies of pigs vaccinated against Aujeszky's disease] Dobrev V, et al. **Vet Med Nauki** 1980;17(5):80–5 (Eng. Abstr.) **(Bul)**

[Plans for using vaccination in Aujeszky's disease] Motovski A, et al. **Vet Med Nauki** 1980;17(3):45–55 (Eng. Abstr.) **(Bul)**

[Trial of vaccination against Aujeszky's disease] Motovski A, et al. **Vet Med Nauki** 1980;17(5):32–7 (Eng. Abstr.) **(Bul)**

[The effect of vaccination on the intrauterine transmission of Aujeszky's disease virus in sows] Smíd B, et al. **Vet Med (Praha)** 1981 Mar;26(3):155–63 (Eng. Abstr.) **(Cze)**

[Comparison of 2 inactivated vaccines against Aujeszky's disease in pigs] Smíd B, et al. **Vet Med (Praha)** 1981; 26(6):337–43 (Eng. Abstr.) **(Cze)**

[Vaccination of 'non-swine' against Aujeszky's disease] Akkermans JP. **Tijdschr Diergeneeskd** 1980 Dec 15; 105(24):1084–5 **(Dut)**

[Studies on the resistance of fattening pigs following inoculation with various vaccines at an age of four to nine weeks (author's transl)] Tielen MJ, et al. **Tijdschr Diergeneeskd** 1980 Oct 1;105(19):827–34 (Eng. Abstr.) **(Dut)**

[Certain properties of the Aujeszky live vaccine 'Dessau' with special reference to laboratory diagnostic aspects] Lüpcke W. **Arch Exp Veterinaermed** 1980;34(1):79–86 (Eng. Abstr.) **(Ger)**

[Immunohistologic antigen demonstration and virus isolation in cell cultures in Aujeszky disease] Neumann W, et al. **Berl Munch Tieraerztl Wochenschr** 1981 Apr;94(7):128–30 (Eng. Abstr.) **(Ger)**

[Serological studies on the prevalence of neutralizing antibodies against pseudorabies virus in pigs in Hessen (author's transl)] Bee HA, et al. **DTW** 1981 May 5; 88(5):168–9 (Eng. Abstr.) **(Ger)**

[Aujeszky disease in pigs: practicability of an ELISA for detection of serum antibodies (author's transl)] Forschner E, et al. **DTW** 1981 Apr 5;88(4):134–9 (Eng. Abstr.) **(Ger)**

[Direct solid-phase radioimmunoassay for the detection of Aujeszky's disease antibodies (author's transl)] Döller G, et al. **Zentralbl Bakteriol [A]** 1980 Jun;247(1):1–7 (Eng. Abstr.) **(Ger)**

[Immunization of cattle against Aujeszky's disease with inactivated adjuvant vaccine] Zuffa A, et al. **Vet Med (Praha)** 1981;26(5):257–70 (Eng. Abstr.) **(Slo)**

ISOLATION & PURIFICATION

Correlation between the pathogenicity of field strains of Aujeszky's disease virus and their ability to cause cell fusion -- syncytia formation -- in cell cultures. Bitsch V. **Acta Vet Scand** 1980;21(4):708–10

Isolation of pseudorabies virus from trigeminal ganglia of a latently infected sow. Gutekunst DE, et al. **Am J Vet Res** 1980 Aug;41(8):1315–6

Spontaneous shedding of pseudorabies virus from a clinically recovered postparturient sow. Davies EB, et al. **J Am Vet Med Assoc** 1980 Jun 15;176(12):1345–7

Placental lesions caused by pseudorabies virus in pregnant sows. Hsu FS, et al. **J Am Vet Med Assoc** 1980 Oct 1; 177(7):636–41

Survival of Aujeszky's disease virus in frozen pig meat. Durham PJ, et al. **Res Vet Sci** 1980 Mar;28(2):256–8

Aujeszky's disease virus in meat [letter] Heard TW. **Vet Rec** 1980 Aug 9;107(6):139

[Review of the occurrence of Aujeszky's disease virus in the Rhineland in special reference to the years 1976–1979 (author's transl)] Rothschuh L. **DTW** 1980 Aug 5; 87(8):304–6 (Eng. Abstr.) **(Ger)**

PSEUDOSCLEROSIS see **HEPATOLENTICULAR DEGENERATION**

PSEUDOTUBERCULOSIS see **SARCOIDOSIS**

PSEUDOTUMOR CEREBRI

Benign intracranial hypertension in pregnancy. Gupta HL, et al. **J Indian Med Assoc** 1980 Sep 1;75(5):93–4

CEREBROSPINAL FLUID

Benign intracranial hypertension and disorders of CSF absorption. Janny P, et al. **Surg Neurol** 1981 Mar; 15(3):168–74

Cerebrospinal fluid hypersecretion in pseudotumor cerebri. Donaldson JO. **Trans Am Neurol Assoc** 1979;104:196–8

[Acid-base equilibrium of the cerebrospinal fluid in increased intracranial pressure] Mrówka R. **Psychiatr Neurol Med Psychol (Leipz)** 1980 May; 32(5):281–9 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Tetracycline and benign intracranial hypertension [letter] **Br Med J [Clin Res]** 1981 Apr 11;282(6271):1240

Tetracycline and benign intracranial hypertension [letter] Pearson MG, et al. **Br. Med J [Clin Res]** 1981 Feb 14; 282(6263):568–9

Tetracycline and benign intracranial hypertension: report of five cases. Walters BN, et al. **Br Med J [Clin Res]** 1981 Jan 3;282(6257):19–20

Benign intracranial hypertension associated with the use of depo-provera (depot medroxyprogesterone): a case report. Bahemuka M. **East Afr Med J** 1981 Feb;58(2):140–1

Acute intracranial hypertension syndrome due to ketamine in a patient with delayed radionecrosis simulating an expansive process. Fontana M, et al. **J Neurosurg Sci** 1980 Apr-Jun;24(2):93–8

[Can tetracycline lead to a benign rise in intracranial pressure? (editorial)] Steiglеder GK. **Z Hautkr** 1981 Jul 1;56(13):839 **(Ger)**

[Fontanelle bombée : the possible consequence of sulphenazone therapy (letter)] Soriani S, et al. **Minerva Pediatr** 1981 May 31;33(10):495 **(Ita)**

COMPLICATIONS

Pseudotumor cerebri in pseudohypoparathyroidism. Asplund J. **Acta Med Scand** 1980;208(4):331–2

Bilateral juxtapapillary subretinal neovascularization associated with pseudotumor cerebri. Morse PH, et al. **Am J Ophthalmol** 1981 Mar;91(3):312–7

Trochlear nerve palsy as a false localizing sign. Halpern JI, et al. **Ann Ophthalmol** 1981 Jan;13(1):53–6

An unusual presentation of pseudotumor cerebri. Snyder DA, et al. **Ann Ophthalmol** 1979 Dec;11(12):1823–7

A case of benign intracranial hypertension in pregnancy. Shekleton P, et al. **Br J Obstet Gynaecol** 1980 Apr; 87(4):345–7

Transient oculomotor paralysis in pseudotumor cerebri. McCammon A, et al. **Neurology (NY)** 1981 Feb;31(2):182–4

[Benign intracranial hypertension in childhood following mastoiditis (author's transl)] Zeumer H, et al. **Klin Padiatr** 1981 Jul;193(4):325–7 (Eng. Abstr.) **(Ger)**

[Complete cerebral ischemia in rabbits as a result of acute intracranial hypertension] Pluta R, et al. **Neuropatol Pol** 1980 Jul-Sep;18(3):365–84 (Eng. Abstr.) **(Pol)**

[Intracranial pressure and the eye] Mihail S, et al. **Rev Chir [Oftalmol]** 1981 Jan-Mar;25(1):7–10 (Eng. Abstr.) **(Rum)**

DIAGNOSIS

Pseudotumor cerebri: clinical profile and visual outcome in 63 patients. Rush JA. **Mayo Clin Proc** 1980 Sep;55(9):541–6

Benign intracranial hypertension without papilledema: role of 24-hour cerebrospinal fluid pressure monitoring in diagnosis and management. Spence JD, et al. **Neurosurgery** 1980 Oct;7(4):326–36

Intracranial hypertension [letter] **Surg Neurol** 1980 Aug; 14(2):136

[Benign intracranial hypertension in intensive care unit (author's transl)] Danel V, et al. **Anesth Analg (Paris)** 1981; 38(3–4):163–4 (Eng. Abstr.) **(Fre)**

[Benign intracranial hypertension in infants and children. Comments on 33 cases (author's transl)] Bouygues D, et al. **Ann Pediatr (Paris)** 1980 May;27(5):286–90 (Eng. Abstr.) **(Fre)**

[Benign intracranial hypertension: definition and etiopathology. Apropos of 5 cases] El Khamlichi A, et al. **Maroc Med** 1980 Mar;2(1):73–8 (Eng. Abstr.) **(Fre)**

[Benign intracranial hypertension in infancy and childhood. Comment upon 33 cases (author's transl)] Bouygues D, et al. **Sem Hop Paris** 1981 Mar 18–25;57(11–12):562–6 (Eng. Abstr.) **(Fre)**

[Problem of so-called pseudotumor cerebri] Heidrich R, et al. **Zentralbl Neurochir** 1980;41(3):193–200 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Non-operative management of pseudotumor cerebri caused by lateral sinus thrombosis. Morantz RA, et al. **J Kans Med Soc** 1980 Oct;81(10):465–6

[Intravenous treatment of intracranial hypertension and cerebral edema with stabilized solutions of glycerol-sodium ascorbate] Cantore GP, et al. **Boll Chim Farm** 1981 Jan;

120(1):32–42 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Benign intracranial hypertension and Cushing's disease. Newman PK, et al. **Br Med J** 1980 Jul 12;281(6233):113

Hypertensive encephalopathy as a complication of femoral lengthening. Miller A, et al. Can **Med Assoc J** 1981 Feb 1;124(3):296–7

Pseudotumor cerebri due to intracranial arteriovenous malformation. van den Bergh R, et al. **Clin Neurol Neurosurg** 1980;82(2):119–25

The pathogenesis of pseudotumor cerebri--a mathematical analysis. Aisenberg RM, et al. **J Neurol Sci** 1980 OCT; 48(1):51–60

Hypothesis: the pathogenesis of pseudotumor cerebri. Rottenberg DA, et al. **Med Hypotheses** 1980 Sep;6(9):913–8 (35 ref.)

Pathogenesis of pseudotumor cerebri syndromes. Donaldson JO. **Neurology (NY)** 1981 Jul;31(7):877–80

[Regressive pseudotumoural encephalopathy and hyperthyroidism. One case (author's transl)] Zannetti A, et al. **Rev Otoneuroophtalmol** 1980 Mar–Apr;52(2):153–7 (Eng. Abstr.) **(Fre)**

[Intracranial hypertension. Pathogenesis, symptomatology and treatment (author's transl)] Richard KE. **Nervenarzt** 1980 Jul;51(7):392–405 **(Ger)**

[A case of benign intracranial hypertension due to iron deficiency anemia, which accompanied with central diabetes insipidus (author's transl)] Takagi N, et al. **Horumon To Rinsho** 1980 Oct;28(10):1183–90 **(Jpn)**

METABOLISM

Pseudotumor cerebri in an obese woman with Turner syndrome. Donaldson JO, et al. **Neurology (NY)** 1981 Jun; 31(6):758–60

NURSING

Intracranial hypertension: implications of research for nursing care. Mitchell PH. **J Neurosurg Nurs** 1980 Sep;12(3):145–54

PATHOLOGY

[Clinical and pathological studies on orbital pseudotumors (author's transl)] Cheng JC. **Chung Hua Yen Ko Tsa Chih** 1979;15(1):11–5 **(Chi)**

PHYSIOPATHOLOGY

[Physiopathology of intracranial hypertension] Brotchi J. **Rev Med Liege** 1980 Jun 1;35(11):441–53 **(Fre)**

[Chronic headache and pseudotumor cerebri] Benini A, et al. **Med Monatsschr Pharm** 1979 Aug;2(8):228–30 **(Ger)**

SURGERY

Intracranial pressure following optic nerve decompression for benign intracranial hypertension. Case report. Kaye AH, et al. **J Neurosurg** 1981 Sep;55(3):453–6

THERAPY

The treatment of raised intracranial pressure following aneurysm surgery. Fearnside MR, et al. **J Neurol Neurosurg Psychiatry** 1980 Nov;43(11):957–61

PSEUDOXANTHOMA ELASTICUM

Anesthetic considerations in pseudoxanthoma elasticum. Krechel SL, et al. **Anesth Analg (Cleve)** 1981 May; 60(5):344–7

COMPLICATIONS

Pseudoxanthoma elasticum and polyposis coli: a novel co-mutation. O'Holleran M, et al. **Arch Surg** 1981 Apr; 116(4):476–7

Restrictive cardiomyopathy in pseudoxanthoma elasticum. Navarro-Lopez F, et al. **Chest** 1980 Jul;78(1):113–5

Pseudoxanthoma elasticum: treatment of gastrointestinal hemorrhage by arterial embolization and observations on autosomal dominant inheritance. Cunningham JR, et al. **Johns Hopkins Med J** 1980 Oct;147(4):168–73

Angioid Streaks. Carr RE, et al. **Ophthalmology (Rochester)** 1980 Mar;87(3):263–5

Pseudoxanthoma elasticum with cardiac involvement. A case report and review of the literature. Przybojewski JZ, et al. **S Afr Med J** 1981 Feb 21;59(8):268–75 (47 ref.)

[Pseudoxanthoma elasticum and pregnancy] Barrière H, et al. **Ann Dermatol Venereol** 1980 Aug-Sep;107(8–9):817–9 **(Fre)**

[Pseudoxanthoma elasticum and acneiform lesions] Heid E, et al. **Ann Dermatol Venereol** 1980 Jun;107(6):569–71 **(Fre)**

[Association of tumoral calcinosis and pseudoxanthoma elasticum. Apropos of a case] Kaplan G, et al. **Rev Rhum Mal Osteoartic** 1980 Nov;47(11):657–60 **(Fre)**

[A case of pseudoxanthoma elasticum associated with familial hypercholesterolemia (author's transl)] Magosaki N, et al. **Nippon Naika Gakkai Zasshi** 1981 Mar;70(3):417–22 **(Jpn)**

FAMILIAL & GENETIC

[Two cases of pseudoxanthoma elasticum with massive gastric hemorrhage among the siblings (author's transl)] Yamaguchi M, et al. **Nippon Shokakibyo Gakkai Zasshi** 1980 Aug;77(8):1266–70 **(Jpn)**

PATHOLOGY

Pulmonary calcification and elastic tissue damage in pseudoxanthoma elasticum. Jackson A, et al. **Histopathology** 1980 Nov;4(6):607–11

The mucocutaneous marker of pseudoxanthoma elasticum. Goette DK, et al. **Oral Surg** 1981 Jan;51(1):68–72

[Case presentations] Laugier P, et al. **Dermatologica** 1980; 161(6):397–404 **(Fre)**

[Autosomal recessive type 2 pseudoxanthoma elasticum (Pope) – electron microscopic observations of a case (author's transl)] Mera S, et al. **Nippon Hifuka Gakkai Zasshi** 1980;90(12):1143–55 **(Jpn)**

[Darier's pseudoxanthoma elasticum] Stepanova LI, et al. **Vestn Dermatol Venerol** 1980 Sep;(9):48–50 (Eng. Abstr.) **(Rus)**

[Periumbilical perforating pseudoxanthoma elasticum] Fdez. Redondo V, et al. **Actas Dermosifiliogr** 1980 May–Jun; 71(5–6):197–200 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Pseudoxanthoma elasticum with internal carotid artery aneurysm. Munyer TP, et al. **AJR** 1981 May;136(5):1023–4

Pulmonary opacities in pseudoxanthoma elasticum: report of two cases. Mamtora H, et al. **Br J Radiol** 1981 Jan; 54(637):65–7

PSILOCYBINE

ADVERSE EFFECTS

Psilocybin intoxication [letter] Dewhurst K. **Br J Psychiatry** 1980 Sep;137:303–4

ANALOGS & DERIVATIVES

Dissociations between the effects of hallucinogenic drugs on behavior and raphe unit activity in freely moving cats. Trulson ME, et al. **Brain Res** 1981 Jun 29;215(1–2):275–93

Quantitative analysis of psilocybin and psilocin in psilocybe baeocystis (Singer and Smith) by high-performance liquid chromatography and by thin-layer chromatography. Beug MW, et al. **J Chromatogr** 1981 Mar 27;207(3):379–85

Analysis of psilocybin and psilocin in mushroom extracts by reversed-phase high performance liquid chromatography. Thomson BM. **J Forensic Sci** 1980 Oct;25(4):779–85

Comparison of solution conformational preferences for the hallucinogens bufotenin and psilocin using 360-MHz proton NMR spectroscopy. Migliaccio GP, et al. **J Med Chem** 1981 Feb;24(2):206–9

ANALYSIS

Quantitative analysis of psilocybin and psilocin in psilocybe baeocystis (Singer and Smith) by high-performance liquid chromatography and by thin-layer chromatography. Beug MW, et al. **J Chromatogr** 1981 Mar 27;207(3):379–85

Analysis of psilocybin and psilocin in mushroom extracts by reversed-phase high performance liquid chromatography. Thomson BM. **J Forensic Sci** 1980 Oct;25(4):779–85

[Hallucinogenic effect of 2 mushrooms of the genus Psilocybe from Czechoslovakia] Auert G, et al. **Z Aerztl Fortbild (Jena)** 1980 Sep 1;74(17):833–5 **(Ger)**

POISONING

[Psilocybine poisoning resulting from eating mushrooms] Stienstra R, et al. **Ned Tijdschr Geneeskd** 1981 May 23; 125(21):833–5 (Eng. Abstr.) **(Dut)**

PSITTACINES

Inactivated vaccine for parrot herpesvirus infections (Pacheco's disease). Hitchner SB, et al. **Am J Vet Res** 1980 Aug;41(8):1280–2

The treatment of scaly face and scaly leg in budgerigars [letter] Mason K. **Aust Vet J** 1980 Aug;56(8):400

Intranasal caseous fibrinous plug causing upper respiratory distress in two African grey parrots (Psittacus erithacus). Burr EW. **Avian Dis** 1981 Apr–Jun;25(2):542–4

A viral disease of fledgling budgerigars. Davis RB, et al. **Avian Dis** 1981 Jan–Mar;25(1):179–83

A new viral respiratory infection in parakeets. Helfer DH, et al. **Avian Dis** 1980 Jul–Sep;24(3):781–3

Fatal hepatic trematodiasis in cockatoos due to Platynosomum proxillicens. Kazacos KR, et al. **Avian Dis** 1980 Jul–Sep;24(3):788–93

Psittacine tuberculosis. Britt JO Jr, et al. **Cornell Vet** 1980 Jul;70(3):218–25

Forward and backward auditory masking in the parakeet (Melopsittacus undulatus). Dooling RJ, et al. **Hear Res** 1980 Dec;3(4):279–84

Metastasizing rhabdomyosarcoma in a budgerigar. Raphael BL, et al. **J Am Vet Med Assoc** 1980 Nov 1;177(9):925–6

Glioblastoma multiforme in a budgerigar. Raphael BL, et al. **J Am Vet Med Assoc** 1980 Nov 1;177(9):923–5

Coligranuloma and psittacosis in an Amazon parrot. Raphael BL, et al. **J Am Vet Med Assoc** 1980 Nov 1;177(9):927–9

Isolation of an Influenza A virus from the budgerigar, Melopsittacus undulatus. Imada T, et al. **Natl Inst Anim Health Q (Tokyo)** 1980 Spring;20(1):30–1

Yersinia enterocolitica in budgerigars [letter] Giles N, et al. **Vet Rec** 1980 Oct 11;107(15):362–3

Lead poisoning in a parakeet. Giddings RF. **VM SAC** 1980 Jun;75(6):1015–6

Abdominal tumor affecting flight. Pollock S, et al. **VM SAC** 1981 Apr;76(4):545–7

Surgical removal of uropygial gland tumor in budgerigars. Wise RD. **VM SAC** 1980 Oct;75(10):1601–4

[Investigations on the sensitivity of the detection of chlortetracycline (CTC) in blood and medicated feed within the official prophylaxis and therapy of psittacosis, using the Bacillus cereus-inhibition-test in agar-plates (author's transl)] Lüthgen W, et al. **DTW** 1981 May 5; 88(5):175–81 (Eng. Abstr.) **(Ger)**

METABOLISM

In vitro studies of sodium transport across the lower intestine of a desert parrot. Skadhauge E, et al. **Am J Physiol** 1980 Sep;239(3):R285–90

MICROBIOLOGY

Salmonellosis in a young child: unusual vector and atypical clinical course. Stadler HE. **J Indiana State Med Assoc** 1980 Mar;73(3):168

Drug resistance and R plasmids in Escherichia coli strains isolated from imported pet birds. Nakamura M, et al. **Microbiol Immunol** 1980;24(12):1131–8

Exotic Newcastle disease in 2 Amazon parrots. Rosskopf WJ, et al. **Mod Vet Pract** 1981 Sep;62(9):707–8

Isolation of Newcastle disease virus from imported parrots (Katakoë sulpurea). Hirai K, et al. **Nippon Juigaku Zasshi** 1980 Jun;42(3):381–5

Isolation of Newcastle disease virus from a parrot (Psittacus erithracus) in Nigeria. Onunkwo O, et al. **Vet Rec** 1980 Aug 23;107(8):179

[Demonstration of a herpesvirus in Amazon parrots (Amazona aestiva and A. ochrocephala)] Kaleta EF, et al. **Zentralbl Veterinaermed [B]** 1980;27(5):405–11 (Eng. Abstr.) **(Ger)**

PARASITOLOGY

Intestinal parasitism in budgerigars. Panigrahy B, et al. **J Am Vet Med Assoc** 1981 Sep 15;179(6):573–4

[Parahaemoproteus desseri n. sp.; gametogony and schizogony in the natural host: Psittacula roseata from Thailand, experimental sporogony in Culicoides nubeculosus (author's transl)] Miltgen F, et al. **Ann Parasitol Hum Comp** 1981;56(02):123–30 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Angiotensin-induced drinking in parrots. Kobayashi H. **Gen Comp Endocrinol** 1981 Mar;43(3):399–401

PSITTACOSIS see **ORNITHOSIS**

PSITTACOSIS-LYMPHOGRANULOMA GROUP see **CHLAMYDIA**

PSORALENS

Psoralen photochemistry. Hearst JE. **Annu Rev Biophys Bioeng** 1981;10:69–86 (51 ref.)

Alkaline gel electrophoresis of deoxyribonucleic acid photoreacted with trimethylpsoralen: rapid and sensitive detection of interstrand cross-links. Cech TR. **Biochemistry** 1981 Mar 17;20(6):1431–7

Kinetics of formation of deoxyribonucleic acid cross-links by 4'-(aminomethyl)-4,5',8-trimethylpsoralen. Johnston BH, et al. **Biochemistry** 1981 Feb 17;20(4):735–8

Interstrand DNA crosslinking by 4,5'8-trimethylpsoralen plus monochromatic ultraviolet light. Studies by alkaline elution in mouse L1210 leukemia cells. Cohen LF, et al. **Biochim Biophys Acta** 1980 Nov 14;610(1):56–63

Psoralen photochemistry and nucleic acid structure. Hearst JE. **J Invest Dermatol** 1981 Jul;77(1):39–44

Chemical reaction of DNA with cross-linking agents: influences of base permutation on chemical reactivity. Huang HH. **J Theor Biol** 1980 Dec 7;87(3):585–96

Structure and topology of 16S ribosomal RNA. An analysis of the pattern of psoralen crosslinking. Cantor CR, et al. **Nucleic Acids Res** 1980 Apr 25;8(8):1855–72

[Remarks on the ultraviolet dosimetry of puva irradiation units using photoelements or photocells (author's transl)] Barth J, et al. **Dermatol Monatsschr** 1980 Apr;166(4):241–3 **(Ger)**

ADMINISTRATION & DOSAGE

Phototoxicity of topical trioxsalen. Väätäinen N. **Acta Derm Venereol (Stockh)** 1980;60(4):327–31

Penetration of trioxsalen into skin from trioxsalen baths. Väätäinen N, et al. **Arch Dermatol Res** 1981;270(2):157–8

The combination of oral and topical psoralen with UVA. Lobel E, et al. **Australas J Dermatol** 1980 Dec;21(3):162–8

[Effectiveness of psoriazin ointment, compared with other methods, in the treatment of psoriasis] Broniarczyk-Dyta G, et al. **Przegl Dermatol** 1981 Jan–Feb;68(1):89–94 (Eng. Abstr.) **(Pol)**

[Psoriazin ointment in the treatment of psoriasis of the scalp

(preliminary results] Jakubowicz K, et al. **Przegl Dermatol** 1981 Jan-Feb;68(1):95-9 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Potential ocular complications of psoralen-UV-A therapy. Lerman S. **Derm Beruf Umwelt** 1980;28(1):5-7 (40 ref.)

Inhibition of delayed hypersensitivity reaction in skin (DNCB test) by 8-methoxypsoralen photochemotherapy. Possible basis for pseudo-promoting action in skin carcinogenesis? Strauss GH, et al. **Lancet** 1980 Sep 13;2(8194):556-9

[Lichen planus with photosensitization following pyritinol and PUVA therapy] Dupré A, et al. **Ann Dermatol Venereol** 1980 Jun;107(6):557-9 **(Fre)**

[Destruction of peripheral lymphocytes by 8-MOP and UVA] Meffert H, et al. **Dermatol Monatsschr** 1980 Apr; 166(4):244-6 **(Ger)**

[PUVA therapy and its possible undesirable side-effects] Pürschel W, et al. **Z Hautkr** 1980 Jun 15;55(12):839-46 **(Ger)**

[Standard method for detection of phototoxic properties of chemical substances (preliminary results)] Wolska H, et al. **Przegl Dermatol** 1980 Jul-Aug;67(4):439-44 (Eng. Abstr.) **(Pol)**

ANALYSIS

Natural toxicants in human foods: psoralens in raw and cooked parsnip root. Ivie GW, et al. **Science** 1981 Aug 21;213(4510):909-10

BLOOD

Determination of trioxsalen in human plasma in the picogram range by glass capillary gas chromatography mass spectrometry. Taskinen J, et al. **Biomed Mass Spectrom** 1980 Nov;7(11-12):556-9

Serum levels of trimethylpsoralen after oral administration. Stolk L, et al. **Br J Dermatol** 1981 Apr;104(4):443-5

CHEMICAL SYNTHESIS

New monofunctional reagents for DNA as possible agents for the photochemotherapy of psoriasis: derivatives of 4,5'-dimethylangelicin. Dall'Acqua F, et al. **J Med Chem** 1981 Feb;24(2):178-84

Preparation and antitumour property of certain coumarins and psoralens. Loutfy MA. **Pharmazie** 1981;36(2):166

ISOLATION & PURIFICATION

[Studies on constituents of Angelicae dahuricae Radix. I. On a new furocoumarin derivative (author's transl)] Fujiwara H, et al. **Yakugaku Zasshi** 1980 Dec;100(12):1258-61 (Eng. Abstr.) **(Jpn)**

METABOLISM

Diethylaminoalkyloxycoumarin and -furocoumarin derivatives. Antonello C, et al. **Farmaco [Sci]** 1979 Feb; 34(2):139-55

Photoaddition of trimethylpsoralen as a probe for the intracellular organization of Escherchia coli DNA. Hallick LM, et al. **Nucleic Acids Res** 1980 Feb 11;8(3):611-22

PHARMACODYNAMICS

Effect of UV-B erythema of psoralen, trimethylpsoralen, and 8 methoxypsoralen. Coupez L, et al. **Acta Derm Venereol (Stockh)** 1980;60(5):456-9

Nature of radiation and chemically induced lesions and role or cellular mechanism in cell survival and mutagenesis. II. Joshi VP, et al. **Adv Biol Med Phys** 1980;17:115-28

The effect of some chemicals (MMS, NQNO, furocoumarins, PMA) on endogenous C-type viruses induction from a murine non-producing cell line. Babudri N, et al. **Ann Sclavo** 1980 May-Jun;22(3):345-54

Effects of (hydroxymethyl)trimethylpsoralen on structure and function of bacteriophage MS2 ribonucleic acid. Karathanasis SK, et al. **Biochemistry** 1981 Jun 9; 20(12):3579-85

DNA repair in human cells containing photoadducts of 8-methoxypsoralen or angelicin. Kaye J, et al. **Cancer Res** 1980 Mar;40(3):696-702

Mutagenicity of cross-links and monoadducts of furocoumarins (psoralen and angelicin) induced by 360-nm radiation in excision-repair-defective and radiation-insensitive strains of Saccharomyces cerevisiae. Grant EL, et al. **Environ Mutagen** 1979;1(1):55-63

Photoreactive water-soluble derivatives of psoralen. Marciani Magno S, et al. **Farmaco [Sci]** 1981 Jan; 36(1):13-22

The effects of three PSO genes on induced mutagenesis : a novel class of mutationally defective yeast. Cassier C, et al. **Genetics** 1980 Dec;96(4):841-57

Isolation and characterization of pso mutants sensitive to photo-addition of psoralen derivatives in Saccharomyces cerevisiae. Henriques JA, et al. **Genetics** 1980 Jun; 95(2):273-88

Induction of prophage & absence of mutation induction by psoralen plus near UV light exposure in Haemophilus influenzae. George M, et al. **Indian J Exp Biol** 1980 Jun; 18(6):580-2

Psoralen inactivation of influenza and herpes simplex viruses and of virus-infected cells. Redfield DC, et al. **Infect Immun** 1981 Jun;32(3):1216-26

Inhibition of induced ornithine decarboxylase activity in Chinese hamster cells by gamma radiation, far ultraviolet light and psoralen plus near-ultraviolet light: a comparative study. Ben-Hur E, et al. **Int J Radiat Biol** 1981 May; 39(5):527-35

Elastic tissue changes in skin following PUVA therapy. Zelickson AS, et al. **J Am Acad Dermatol** 1980 Aug; 3(2):186-92

Inactivation of transforming Bacillus subtilis deoxyribonucleic acid by monoadducts of 4,5',8-trimethylpsoralen. te Riele HP, et al. **J Bacteriol** 1981 Feb;145(2):832-9

Proliferative response patterns of human fibroblasts after photoinjury with 4,5',8-trimethylpsoralen. Cohen SR, et al. **J Invest Dermatol** 1981 Jan;76(1):10-4

Cell cycle analysis of cultured mammalian cells after exposure to 4,5',8-trimethylpsoralen and long-wave ultraviolet light. Cohen SR, et al. **J Invest Dermatol** 1981 May;76(5):409-13

The effect of trimethylpsoralen--crosslinks on entry of donor DNA in transformation and transfection of Bacillus subtilis. Venema G, et al. **MGG** 1980;179(1):1-11

Mutagenicity of psoralen epoxides. Ivie GW, et al. **Mutat Res** 1980 Sep;79(1):73-7

Mutagenicity in Salmonella typhimurium of some angelicin derivatives proposed as new monofunctional agents for the photochemotherapy of psoriasis. Venturini S, et al. **Mutat Res** 1981 Jan;88(1):17-22

Sensitivity of DNA repair-deficient strains of Escherichia coli K-12 to various furocoumarins and near-ultraviolet radiation. Grossweiner LI, et al. **Photochem Photobiol** 1981 Mar;33(3):317-23

Dark membrane lysis and photosensitization by 3-carbethoxypsoralen. Muller-Runkel R, et al. **Photochem Photobiol** 1981 Mar;33(3):399-402

Cross-linking of viral RNA by 4'-aminomethyl-4,5',8-trimethylpsoralen in HeLa cells infected with encephalomyocarditis virus and the tsG114 mutant of vesicular stomatitis virus. Nilsen TW, et al. **Virology** 1981 Feb;109(1):82-93

Interaction of psoralen derivatives with the RNA genome of Rous sarcoma virus. Swanstrom R, et al. **Virology** 1981 Sep;113(2):613-22

[Rad-equivalences for mono-and bifunctional furocoumarins (author's transl)] Averbeck D. **Bull Cancer (Paris)** 1980; 67(3):245-54 (Eng. Abstr.) **(Fre)**

[Absence of interstrand cross-links in DNA treated wtih 3-carbethoxypsoralen and 365 nm irradiation] Magaña-Schwencke N, et al. **C R Acad Sci [D] (Paris)** 1980 Sep 15;291(2):207-10 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Protective effect of trimethylpsoralen against UV-B erythema. Agache PG, et al. **Arch Dermatol Res** 1980; 268(1):85-9

Scheduled DNA-synthesis after SUP and oral PUVA-treatment of psoriasis. Pullmann H, et al. **Arch Dermatol Res** 1980;268(1):105-7

Sunscreens, photocarcinogenesis, melanogenesis, and psoralens [editorial] **Br Med J [Clin Res]** 1981 Aug 1; 283(6287):335-6

Trioxsalen baths plus UV-A in the treatment of lichen planus and urticaria pigmentosa. Väätäinen N, et al. **Clin Exp Dermatol** 1981 Mar;6(2):133-8

Treatment of polymorphous light eruption with Trisoralen and natural sunlight. Jillson OF. **Cutis** 1981 Jun;27(6):592, 598

Oral methoxsalen photochemotherapy of psoriasis and mycosis fungoides. Parrish JA, et al. **Int J Dermatol** 1980 Sep;19(7):379-86 (111 ref.)

Polymorphous light eruption [letter] Birt AR. **J Am Acad Dermatol** 1981 May;4(5):610-1

Effect of PUVA treatment on the locomotion of polymorphonuclear leukocytes and mononuclear cells in psoriasis. Silny W, et al. **J Invest Dermatol** 1980 Aug; 75(2):187-8

Psoralen photochemistry. Parsons BJ. **Photochem Photobiol** 1980 Dec;32(6):813-21 (99 ref.)

[Oral 8-methoxypsoralen-UVA (PUVA) therapy in psoriasis: comparison of 3 treatment protocols] Hofmann C, et al. **Hautarzt** 1980 Jun;31(6):315-23 (Eng. Abstr.) **(Ger)**

TOXICITY

Structure-activity relationship in the toxicity of some naturally occurring coumarins-chalepin, imperatorin and oxypeucedanine. Emerole G, et al. **Toxicology** 1981; 20(1):71-80

[Mutagenic and carcinogenic potency of furocoumarins. Experimental basis for risk assessment] Schimmer O. **Pharm Unserer Zeit** 1981 Jan;10(1):18-28 **(Ger)**

[Mutagenic effect of combined exposure to 8-methoxypsoralen or angelicin and long-wave ultraviolet light in uvs-strains of Aspergillus nidulans] Muronets EM, et al. **Genetika (Moskva)** 1980;16(7):1168-75 (Eng. Abstr.) **(Rus)**

PSORIASIS

Spontaneous disappearance of psoriasis as presenting feature of oat-cell carcinoma of lung. Lennard TW, et al. **Br Med J** 1980 Nov 29;281(6253):1460-1

Psoriasis [clinical conference] **West J Med** 1980 Sep; 133(3):226-32

BLOOD

Blood hyperviscosity in psoriasis. Wolf R, et al. **Acta Derm Venereol (Stockh)** 1981;61(2):153-4

Blood and serum group systems in psoriasis. Turowska B, et al. **Acta Med Pol** 1980;21(2):165-72

Salvage pathway in erythrocytes of patients with psoriasis. Partsch G, et al. **Adv Exp Med Biol** 1980;122A:167-71

Testosterone serum levels in male psoriatics. Schwarz W, et al. **Arch Dermatol Res** 1981;270(3):377-9

Cyclic AMP is decreased in mononuclear leukocytes from psoriasis patients. Geerdink JP, et al. **Br J Dermatol** 1980 Jul;103(1):107-8

Polymorphonuclear leukocyte chemotaxis in psoriasis: enhancement by self-activated serum. Kawohl G, et al. **Br J Dermatol** 1980 Nov;103(5):527-33

Increased chemotactic activity of neutrophil leukocytes in psoriasis. Michaëlsson G. **Br J Dermatol** 1980 Oct; 103(4):351-6

Plasma 8-methoxypsoralen concentrations in photochemotherapy of psoriasis. Stevenson IH, et al. **Br J Dermatol** 1981 Jan;104(1):47-51

Gas chromatographic-mass spectrometric identification of isosaccharino-1,4-lactone in human serum and urine. Niwa T, et al. **Clin Chem** 1980 Oct;26(11):1554-61

Increased superoxide generation by normal granulocytes incubated in sera from patients with psoriasis. Sedgwick JB, et al. **J Invest Dermatol** 1981 Mar;76(3):158-63

Glucose and insulin in psoriasis: the role of obesity and diabetic genetic history. Fratino P, et al. **Panminerva Med** 1979 Oct-Dec;21(4):167-72

[Penetration kinetics of dehydroepiandrosterone through the erythrocyte membrane (author's transl)] Morsches B, et al. **Arch Dermatol Res** 1981;270(1):49-55 **(Ger)**

[Relationship between psoriasis and human growth hormone (author's transl)] Weber G, et al. **MMW** 1980 Nov 21; 122(47):1690-4 (Eng. Abstr.) **(Ger)**

[Plasma levels of Zn, Cu and Ni in healthy controls and in psoriatic patients. Possible correlations with vitamins (author's transl)] Donadini A, et al. **Acta Vitaminol Enzymol** 1980;2(1-2):9-16 (Eng. Abstr.) **(Ita)**

[Zinc level in psoriasis depending on the extent of skin changes] Wąsik F, et al. **Przegl Dermatol** 1980 May-Jun; 67(3):333-6 (Eng. Abstr.) **(Pol)**

[Immune complexes and various indicators of the kallikrein-kinin system in psoriasis] Voloshin RN, et al. **Vestn Dermatol Venerol** 1981 Mar;(3):25-7 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Chloroquine and psoriasis [letter] Olsen TG. **Ann Intern Med** 1981 Apr;94(4 pt 1):546-7

Exacerbation of psoriasis during clonidine therapy [letter] Wilkin J. **Arch Dermatol** 1981 Jan;117(1):4

Lithium and psoriasis. **Drug Ther Bull** 1981 Aug 14;19(17):68

[Heparin-calcium and psoriasis vulgaris (letter)] Bauer J. **Dtsch Med Wochenschr** 1981 Mar 6;106(10):318 **(Ger)**

COMPLICATIONS

Granulomatous secondary syphilis coinciding with PUVA treatment in a patient with psoriasis: an apparent failure of PUVA therapy. Neumann HA, et al. **Acta Derm Venereol (Stockh)** 1981;61(1):82-5

Arthritis in psoriasis. Green L, et al. **Ann Rheum Dis** 1981 Aug;40(4):366-9

Beau's lines. An association with pustular psoriasis and telogen effluvium. Burkhart CG. **Arch Dermatol** 1980 Oct; 116(10):1190-1

Psoriatic arthritis treated with oral zinc sulphate. Clemmensen OJ, et al. **Br J Dermatol** 1980 Oct; 103(4):411-5

Peripheral corneal melting syndrome in association with psoriasis: a report of two cases. Boss JM, et al. **Br Med J [Clin Res]** 1981 Feb 21;282(6264):609-10

Proximal row carpectomy: an unusual indication. Blair WF, et al. **Clin Orthop** 1980 Nov-Dec;(153):223-5

Effect of antimalarial drugs on psoriasis. Kuflik EG. **Cutis** 1980 Aug;26(2):153-5

Psoriasis with tinea corporis. Lee SC, et al. **Cutis** 1980 Aug; 26(2):158-60

Psoriatic arthritis among Ugandan Africans. Kanyerezi BR. **East Afr Med J** 1980 Dec;57(12):855-60

Two siblings with cleidocranial dysplasia associated with atresia ani and psoriasis-like lesions: a new syndrome? Fukuda K, et al. **Eur J Pediatr** 1981 Mar;136(1):109-11

Darier's disease and psoriasis vulgaris. Premalatha S, et al. **Int J Dermatol** 1981 Jan-Feb;20(1):52-3

Lymphocyte kinetics in pustular psoriasis. Sauder DN, et al. **J Am Acad Dermatol** 1981 Apr;4(4):458-60

Psoriatic arthritis. Condit JM. **Minn Med** 1980 Nov; 63(11):787

Arthropathy and sacro-iliitis in severe psoriasis. Møller P, et al. **Scand J Rheumatol** 1980;9(2):113-7

[Arthritis of sacroiliac joints in psoriatics (author's transl)] Sváb V, et al. **Cesk Dermatol** 1980 Oct;55(5):318-22 (Eng. Abstr.) **(Cze)**

[Kaposi's sarcoma during local and general steroid therapy for psoriasis (author's transl)] Meynadier J, et al.

Dermatologica 1981;162(5):417–23 (Eng. Abstr.) **(Fre)**
[Pelvi-rachidian involvement in psoriasis] Kchir MM, et al. **Tunis Med** 1981 Jan–Feb;59(1):844–6 (Eng. Abstr.) **(Fre)**
[Glucose and insulin in psoriasis. Role of obesity and genetic considerations in diabetes] Fratino P, et al. **Minerva Med** 1980 Nov 10;71(44):3265 **(Ita)**
[A case of psoriasis with uveitis (author's transl)] Hirai S, et al. **Nippon Hifuka Gakkai Zasshi** 1980;90(7):605–9 **(Jpn)**
[Various aspects of the treatment of psoriatic arthropathy] Badokin VV. **Vopr Revm** 1980 Oct–Dec;(4):18–21 (Eng. Abstr.) **(Rus)**
[The spinal column in psoriatic arthritis and in psoriasis without arthritis (author's transl)] Zbojanová M, et al. **Bratisl Lek Listy** 1981;75(5):567–76 (Eng. Abstr.) **(Slo)**

DIAGNOSIS

Psoriasis in dermatology practice. Nurse DS. **Australas J Dermatol** 1981 Apr;22(1):18–20
Secondary syphilis with framboesiform facial lesions: a case report. Beck MH, et al. **Br J Vener Dis** 1981 Apr; 57(2):103–5
Psoriatic arthritis relative to the foot. Canter KG, et al. **J Am Podiatry Assoc** 1980 Aug;70(8):437–41
[Dermatoglyphic tests in psoriatics and members of their families (author's transl)] Novotný F, et al. **Cesk Dermatol** 1981 Feb;56(1):25–9 (Eng. Abstr.) **(Cze)**
[Dermatology: squamae] Journet M. **Union Med Can** 1981 Feb;110(2):152–3 **(Fre)**
[Psoriatic arthritis imitating Köhler—II, disease (author's transl)] Bársony I, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1980; 23(4):270–2 **(Hun)**
[Inflammatory linear verrucose epidermal nevus—ILVEN (author's transl)] Janicka D, et al. **Przegl Dermatol** 1980 Sep–Oct;67(5):635–9 (Eng. Abstr.) **(Pol)**
[Apropos the article by Kalamkarian, Trofimova, Voloshin and Akimov, 'Pustular Psoriasis, Herpetiform Impetigo and Hallopeau's acrodermatitis'] Ashmarin Iula. **Vestn Dermatol Venerol** 1981 Feb;(2):39–40 **(Rus)**

DRUG THERAPY

Clinical trial of a potent non-halogenated topical steroid, Budesonide. Agrup G, et al. **Acta Derm Venereol (Stockh)** 1981;61(2):180–2
5-S-Cysteinyldopa and dopa in serum during treatment with 8-methoxypsoralen and UVA light. Hansson C, et al. **Acta Derm Venereol (Stockh)** 1981;61(3):251–5
Quantitative studies on the reactions of psoriatic epidermis to treatment. McMinn RM, et al. **Acta Derm Venereol (Stockh)** 1980;60(6):491–4
Itch following photochemotherapy for psoriasis. Rogers S, et al. **Acta Derm Venereol (Stockh)** 1981;61(2):178–80
Is the use of Ro 10–9359 (Tigason) in children justified? van der Rhee HJ, et al. **Acta Derm Venereol (Stockh)** 1980; 60(3):274–5
Therapeutic trials with oral colchicine in psoriasis. Wahba A, et al. **Acta Derm Venereol (Stockh)** 1980;60(6):515–20
Normal function of the thyroid gland in PUVA-treated psoriatics. Weismann K, et al. **Acta Derm Venereol (Stockh)** 1980;60(5):432–4
Photochemotherapy in psoriasis and other skin diseases. Adrian RM. **Am Fam Physician** 1981 May;23(5):95–100
Photochemotherapy of psoriasis with methoxsalen and longwave ultraviolet light (PUVA). Bond CA, et al. **Am J Hosp Pharm** 1981 Jul;38(7):990–5 (67 ref.)
Of mice and psoriatics [news] Schiffrin MJ. **Ann Allergy** 1980 Oct;45(4):266–7
Gold in psoriatic arthopathy. Richter MB, et al. **Ann Rheum Dis** 1980 Jun;39(3):279–80
Treatment of palmoplantar psoriasis with topical methoxsalen plus long-wave ultraviolet light. Abel EA, et al. **Arch Dermatol** 1980 Nov;116(11):1257–61
Mechanism of chemotherapeutic drug action in mouse vaginal epithelium. Hartman ME, et al. **Arch Dermatol** 1981 Jul;117(7):399–403
Treatment of psoriasis with daunorubicin and cytarabine [letter] Kohn D, et al. **Arch Dermatol** 1980 Oct; 116(10):1101–2
Effect of therapy on keratin polypeptide profiles of psoriatic epidermis. LeVine MJ, et al. **Arch Dermatol** 1980 Sep; 116(9):1028–30
Topical drug effects on normal and proliferating epidermal cell models. Lowe NJ, et al. **Arch Dermatol** 1981 Jul; 117(7):394–8
Response of psoriatic nails to oral photochemotherapy. Marx JL, et al. **Arch Dermatol** 1980 Sep;116(9):1023–24
A clinical screening program for topical chemotherapeutic drugs in psoriasis. Weinstein GD, et al. **Arch Dermatol** 1981 Jul;117(7):388–93
Autoradiographic and planimetric analyses of the inflammatory infiltrate in psoriatic lesions under PUVA-therapy. Landthaler M, et al. **Arch Dermatol Res** 1980;269(1):31–7
Psoriasis and human growth hormone: aetiology and therapy. Weber G, et al. **Arch Dermatol Res** 1981;270(3):361–5
Fever caused by hydroxyurea. Bauman JL, et al. **Arch Intern Med** 1981 Feb;141(2):260–1
Halogenation and topical corticosteroids: a comparison between the 17-butyrate esters of hydrocortisone and clobetasone in ointment bases. Allenby CF, et al. **Br J Dermatol** 1981 Feb;104(2):179–83
Six-month controlled study of effect of desoximetasone and betamethasone 17-valerate on the pituitary-adrenal axis. Cornell RC, et al. **Br J Dermatol** 1981 Jul;105(1):91–5
Razoxane in the treatment of psoriasis [letter] Hill GW, et al. **Br J Dermatol** 1980 Nov;103(5):583–5
A clinical evaluation of the effects of an aromatic retinoid (Tigason), combination of retinoid and PUVA, and PUVA alone in severe psoriasis. Lauharanta J, et al. **Br J Dermatol** 1981 Mar;104(3):325–32
Low-dose PUVA maintenance in psoriasis following Ingram therapy. van de Kerkhof PC, et al. **Br J Dermatol** 1981 Jun;104(6):681–4
Dithrocream in psoriasis. Wilson PD, et al. **Br J Dermatol** 1980 Jul;103(1):105–6
Psoriasis and its treatment. Champion RH. **Br Med J [Clin Res]** 1981 Jan 31;282(6261):343–6 (58 ref.)
Relapse rate and long-term management of plaque psoriasis after treatment with photochemotherapy and dithranol. Vella Briffa D, et al. **Br Med J [Clin Res]** 1981 Mar 21; 282(6268):937–40
The importance of patient selection for photochemotherapy in psoriasis. DesGroseilliers JP, et al. **Can Med Assoc J** 1981 Apr 15;124(8):1016–8
Ambulatory Goeckerman treatment of psoriasis: experience with 200 patients. DesGroseilliers JP, et al. **Can Med Assoc J** 1981 Apr 15;124(8):1018–20
Determination of 8-methoxypsoralen in suction-blister fluid and serum by liquid chromatography. Herfst MJ, et al. **Clin Chem** 1980 Dec;26(13):1825–8
Efficacy of a betamethasone dipropionate topical glycol preparation in the management of severe psoriasis. Leer JA Jr. **Clin Ther** 1980;3(3):156–67
Severe psoriasis and tolmetin sodium therapy. Nuwer DC. **Cutis** 1980 Sep;26(3):303
Methotrexate therapy of psoriasis. Effect and side effects with particular reference to hepatic changes. A survey. Nyfors A. **Dan Med Bull** 1980 Apr;27(2):74–96 (187 ref.)
Treatment of psoriasis by oral PUVA therapy combined with aromatic retinoid (Ro 10–9359; Tigason). Grupper C, et al. **Dermatologica** 1981;162(5):404–13
Oral methoxsalen photochemotherapy of psoriasis and mycosis fungoides. Parrish JA, et al. **Int J Dermatol** 1980 Sep;19(7):379–86 (111 ref.)
Photochemotherapy of psoriasis: risk:benefit ratios. Bickers DR. **J Am Acad Dermatol** 1981 Jan;4(1):90–3
Treatment of psoriasis with methotrexate and folinic acid [letter] Burkhart CG. **J Am Acad Dermatol** 1980 Aug; 3(2):207–8
Psoriasis: current advances in etiology and treatment. Cram DL. **J Am Acad Dermatol** 1981 Jan;4(1):1–14 (93 ref.)
Long-term modified Goeckerman regimen for psoriasis using an ultraviolet B light source in the home. Jordan WP Jr, et al. **J Am Acad Dermatol** 1981 May;4(5):584–91
Advances in the use of anthralin. Seville RH. **J Am Acad Dermatol** 1981 Sep;5(3):319–21
Cutaneous pathobiology mediated by chemotherapy. Franchimont C, et al. **J Cutan Pathol** 1980 Dec;7(6):387–93
The effects of increased penetration of betamethasone dipropionate in a propylene glycol base (Diprolene) for psoriasis. Kansky A. **J Int Med Res** 1981;9(2):128–31
A double-blind trial of budesonide ointment and betamethasone-17-valerate ointment in psoriasis. Schmidt H, et al. **J Int Med Res** 1981;9(3):236–8
Effect of PUVA treatment on the locomotion of polymorphonuclear leukocytes and mononuclear cells in psoriasis. Silny W, et al. **J Invest Dermatol** 1980 Aug; 75(2):187–8
Photochemotherapy (PUVA therapy) for psoriasis. Gruber GG. **J Ky Med Assoc** 1981 Jan;79(1):25–6
New monofunctional reagents for DNA as possible agents for the photochemotherapy of psoriasis: derivatives of 4,5'-dimethylangelicin. Dall'Acqua F, et al. **J Med Chem** 1981 Feb;24(2):178–84
Photochemotherapy in psoriasis: a review. Briffa DV, et al. **J R Soc Med** 1979 Jun;72(6):440–6 (94 ref.)
Effect of methoxsalen photochemotherapy on cost of treatment for psoriasis. An example of technological assessment. Stern RS, et al. **JAMA** 1981 May 15; 245(19):1913–8
Response of psoriasis to N-phosphonacetyl-L-aspartate [letter] Earhart RH, et al. **Lancet** 1981 Jun 6;1(8232):1257–8
Vindesine for psoriasis? [letter] Hardi R, et al. **Lancet** 1981 Apr 4;1(8223):773
Oral 8-methoxypsoralen photochemotherapy of psoriasis. The European PUVA study: a cooperative study among 18 European centres. Henseler T, et al. **Lancet** 1981 Apr 18;1(8225):853–7
Photochemotherapy for psoriasis [letter] Marks JM, et al. **Lancet** 1981 Jul 18;2(8238):141
Ocular side effects of psoriasis therapy [letter] Lerman S. **N Engl J Med** 1980 Oct 16;303(16):941–2
Use of glucocorticosteroids in psoriasis. Cornell RC, et al. **Pharmacol Ther** 1980;11(3):497–508 (37 ref.)
Photochemotherapy treatment for psoriasis. Shurr DG, et al. **Phys Ther** 1981 Jan;61(1):33–6
A new multipurpose drug from China [news] Maugh TH 2d. **Science** 1981 Sep 11;213(4513):1239
Photochemotherapy (PUVA) of psoriasis in Singapore a preliminary study. Hai C, et al. **Singapore Med J** 1980 Aug; 21(4):627–33
Photochemotherapy and the eye: photoprotective factors. Glew WB, et al. **Trans Am Ophthalmol Soc** 1980;78:243–54
[Prospects for psoriatic patients treated with methotrexate (author's transl)] Jandová E. **Cesk Dermatol** 1981 Feb; 56(1):30–3 (Eng. Abstr.) **(Cze)**
[Combined oral retinoid and PUVA therapy in the treatment of psoriasis and psoriatic arthropathy (author's transl)] Thivolet J, et al. **Ann Dermatol Venereol** 1981;108(2):131–7 (Eng. Abstr.) **(Fre)**
[Controlled double blind study on the effectiveness and adverse effects of acemetacin and indomethacin in the treatment of psoriatic arthritis] Lonauer G, et al. **Arzneimittelforsch** 1980;30(8A):1440–4 (Eng. Abstr.) **(Ger)**
[Psoriasis, skin cancer and PUVA (letter)] **Derm Beruf Umwelt** 1981;29(2):46–7 **(Ger)**
[Therapy of psoriasis by means of hematoporphyrin derivative and light (author's transl)] Diezel W, et al. **Dermatol Monatsschr** 1980 Dec;166(12):793–7 (Eng. Abstr.) **(Ger)**
[PUVA therapy: decrease of the 8-methoxypsoralen level following local administration] Meffert H, et al. **Dermatol Monatsschr** 1980 Aug;166(8):566–7 **(Ger)**
[Photochemotherapy of psoriasis using 8-MOP and UVA. Results of interval treatment. Clinical experiences from 6 dermatology hospitals] Metz D, et al. **Dermatol Monatsschr** 1980 Jun;166(6):415–7 (Eng. Abstr.) **(Ger)**
[Investigation of local therapy following urea pretreatment. First results (author's transl)] Taube KM, et al. **Dermatol Monatsschr** 1981 Feb;167(2):85–90 (Eng. Abstr.) **(Ger)**
[Retinoid therapy and phototherapy of psoriasis (author's transl)] Schauder S. **Dermatologica** 1981;162(4):236–42 (Eng. Abstr.) **(Ger)**
[A very promising treatment method in psoriasis. Short-term anthralin therapy] Kunze J, et al. **Fortschr Med** 1981 May 28;99(20):761–4 (Eng. Abstr.) **(Ger)**
[Interval treatment with local corticosteroids and bases] Schmid P. **Fortschr Med** 1981 Jul 23;99(27–28):1102–4 (Eng. Abstr.) **(Ger)**
[Oral 8-methoxypsoralen-UVA (PUVA) therapy in psoriasis: comparison of 3 treatment protocols] Hofmann C, et al. **Hautarzt** 1980 Jun;31(6):315–23 (Eng. Abstr.) **(Ger)**
[New aspects and developments in antipsoriasis retinoid therapy] Orfanos CE, et al. **Hautarzt** 1981 Jun;32(6):275–80 (Eng. Abstr.) **(Ger)**
[The treatment of psoriasis-arthritis with cyclosporin A, a new immunosuppressive agent] Müller W, et al. **Schweiz Med Wochenschr** 1981 Mar 21;111(12):408–13 (Eng. Abstr.) **(Ger)**
[1st experience in hungary with PUVA therapy in psoriasis] Török L, et al. **Orv Hetil** 1980 Sep 14;121(37):2259–61 **(Hun)**
[Effects of topically used prostaglandins E1, E2, F2 alpha on psoriatic lesions (author's transl)] Katayama H, et al. **Nippon Hifuka Gakkai Zasshi** 1980 Oct;90(11):1031–4 **(Jpn)**
[Studies on the PUVA (psoralen plus UVA) therapy of psoriasis. 1. Clinical evaluation of long-term treatment (author's transl)] Kumakiri M, et al. **Nippon Hifuka Gakkai Zasshi** 1980 Oct;90(11):995–1001 **(Jpn)**
[Effectiveness of psoriazin ointment, compared with other methods, in the treatment of psoriasis] Broniarczyk-Dyta G, et al. **Przegl Dermatol** 1981 Jan–Feb;68(1):89–94 (Eng. Abstr.) **(Pol)**
[Oral administration of aromatic retinoids in the treatment of psoriasis] Jakubowicz K, et al. **Przegl Dermatol** 1980 May–Jun;67(3):369–75 **(Pol)**
[Psoriazin ointment in the treatment of psoriasis of the scalp (preliminary results] Jakubowicz K, et al. **Przegl Dermatol** 1981 Jan–Feb;68(1):95–9 (Eng. Abstr.) **(Pol)**
[Clinical, histological, ultrastructural and biochemical studies on the effectiveness of hydroxyurea in the treatment of psoriasis] Szarmach H, et al. **Przegl Dermatol** 1981 Jan–Feb; 68(1):71–8 (Eng. Abstr.) **(Pol)**
[Psoriasis treatment by a photochemotherapy (PUVA) method] Babaian RS, et al. **Vestn Dermatol Venerol** 1980 Oct;(10):4–7 (7 ref.) (Eng. Abstr.) **(Rus)**
[Preliminary communication on the treatment of psoriasis with anapsos] Mercadal Peyri O, et al. **Actas Dermosifiliogr** 1981 Jan–Feb;72(1–2):65–8 **(Spa)**
[Multiple clear cell acanthoma in a patient with psoriasis. Treatment with 5-fluorouracil] García Almagro D, et al. **Med Cutan Iber Lat Am** 1979;7(4–6):109–13 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Cyclic GMP metabolism in psoriasis: increased activity of soluble epidermal cyclic GMP phosphodiesterase and its modulation by calcium. Cantieri JS, et al. **Br J Dermatol** 1981 Mar;104(3):301–5
Decreased epidermal aryl hydrocarbon hydroxylase and localized pustular psoriasis. Shuster S, et al. **Br J Dermatol** 1980 Jul;103(1):23–6
Aryl hydrocarbon hydroxylase activity in psoriasis [letter] Shuster S, et al. **Br J Dermatol** 1981 Mar;104(3):352–3
Generalised tissue abnormality of aryl hydrocarbon hydroxylase in psoriasis. Chapman PH, et al. **Br Med J** 1980 Nov 15;281(6251):1315–6
Gamma glutamyl transpeptidase activity in the psoriatic skin.

Hajini GH, et al. **Indian J Med Res** 1980 May;71:798–800
Adenosine deaminase activity in peripheral lymphocytes of psoriasis and Sézary's syndrome: possible significance in T-lymphocyte dysfunction. Iizuka H, et al. **J Dermatol (Tokyo)** 1980 Jun;7(3):165–9
[Comparative study of normal and psoriatic skin using a micromethod for detection of enzymatic activity] Garidelli de Quincenet G, et al. **Ann Dermatol Venereol** 1980; 107(12):1163–70 (Eng. Abstr.) **(Fre)**
[Plasma lysosome enzyme activity in psoriasis during photochemotherapy] Frolov EP, et al. **Vestn Dermatol Venerol** 1981 Mar;(3):4–8 (Eng. Abstr.) **(Rus)**

ETIOLOGY

On the aetiology of psoriasis. Mier PD, et al. **Br J Dermatol** 1980 Oct;103(4):457–60
Psoriasis: is it transplacentally induced? Schmahl W. **Med Hypotheses** 1980 Sep;6(9):907–11
Effect of topical applications of heavy suspensions of killed Malassezia ovalis on rabbit skin. Rosenberg EW, et al. **Mycopathologia** 1980 Nov 28;72(3):147–54
[Correlation of growth hormone and aetiology of psoriasis] Weber G, et al. **Arch Dermatol Res** 1981;270(2):129–40 (Eng. Abstr.) **(Ger)**
[A morphologic contribution to the pathogenesis of psoriatic arthritis (author's transl)] Rohe K, et al. **Z Orthop** 1980; 118(3):300–10 (Eng. Abstr.) **(Ger)**
[Abnormal function of lymphocytes and polymorphonuclear leukocytes as a reflection of systemic immunologic disorders in the etiology of psoriasis] Gliński W. **Przegl Dermatol** 1980;67(6):831–4 **(Pol)**
[Pathogenetic aspects of psoriasis] Dovzhanskiĭ SI. **Vestn Dermatol Venerol** 1980 Oct;(10):23–6 (32 ref.) (Eng. Abstr.) **(Rus)**
[Combination of herpetiform dermatitis and psoriasis in a stomach cancer patient] Koliadenko VG, et al. **Vestn Dermatol Venerol** 1980 Nov;(11):58–60 (Eng. Abstr.) **(Rus)**
[Pathogenetic problems of psoriasis] Mashkilleĭson AL, et al. **Voen Med Zh** 1980 Sep;(9):66–7 **(Rus)**

FAMILIAL & GENETIC

Immunogenetic aspects of psoriasis in the light of population and family studies. Turowski G, et al. **Acta Med Pol** 1980; 21(3):269–76
Mode of inheritance in psoriasis [letter] Burch PR, et al. **Arch Dermatol** 1981 May;117(5):251–2
Sister chromatid exchange and chromosome aberration rates in a group of psoriatics before and after a course of PUVA treatment. Faed MJ, et al. **Br J Dermatol** 1980 Sep; 103(3):295–9
Genetic factors in psoriasis. Mordovtsev VN, et al. **Int J Dermatol** 1981 Mar;20(2):99–101 (31 ref.)
Histocompatibility studies in psoriasis vulgaris: family studies. Espinoza LB, et al. **J Rheumatol** 1980 Jul–Aug;7(4):445–52
Unstable mutations in psoriasis [letter] van de Kerkhof PC. **Lancet** 1981 Jan 17;1(8212):152
[Genetic studies in psoriasis] Mordovtsev VN, et al. **Sov Med** 1981;(2):81–5 (52 ref.) **(Rus)**

IMMUNOLOGY

Antideoxyribonuclease B titers in psoriasis. Quimby SR, et al. **Acta Derm Venereol (Stockh)** 1980;60(6):485–90
Antireticulin antibodies in psoriasis. Siri A, et al. **Acta Derm Venereol (Stockh)** 1980;60(4):348–51
Immunoglobulin-bearing cells in the liver biopsies from patients with psoriasis. Veien NK, et al. **Acta Derm Venereol (Stockh)** 1980;60(6):524–6
Circulating immune complexes, serum immunoglobulins, and acute phase proteins in psoriasis and psoriatic arthritis. Laurent MR, et al. **Ann Rheum Dis** 1981 Feb;40(1):66–9
A further study on the mechanism of deposition of plasma protein in psoriasis scales. Beutner EH, et al. **Arch Dermatol Res** 1981;270(2):217–21
Immunopathology of psoriasis. Cormane RH. **Arch Dermatol Res** 1981;270(2):201–15 (53 ref.)
Migration-stimulating effect of psoriatic scales on polymorphonuclear leukocytes. Lidén S, et al. **Arch Dermatol Res** 1980;269(1):93–8
HLA antigens in psoriasis. Turowski G, et al. **Arch Immunol Ther Exp (Warsz)** 1980;28(1):119–26
Immunologic studies and treatment of psoriasis with human transfer factor. **Chin Med J [Engl]** 1981 Jan;94(1):41–4
Interaction of immune and connective tissue cells. Korn JH. **Int J Dermatol** 1980 Nov;19(9):487–95 (143 ref.)
Normal numbers of phenotypic helper, suppressor, and total T cell populations in psoriasis vulgaris: quantitation by monoclonal antibodies. DePietro WP, et al. **J Am Acad Dermatol** 1981 Sep;5(3):304–7
Histocompatibility alloantigens in psoriasis and psoriatic arthritis. Evidence for the influence of multiple genes in the major histocompatibility complex. Murray C, et al. **J Clin Invest** 1980 Oct;66(4):670–5
Deposits of immunoglobulin and complement in psoriatic lesions. Ullman S, et al. **J Cutan Pathol** 1980 Aug;7(4):271–5
The etiology of psoriasis. Guin JD. **J Indiana State Med Assoc** 1980 May;73(5):299
Neutrophil leukocyte migration in psoriasis vulgaris. Breathnach SM, et al. **J Invest Dermatol** 1981 Apr; 76(4):271–4
T lymphocyte defect in psoriasis [letter] Glinski W, et al. **J Invest Dermatol** 1980 Aug;75(2):202–3
Normal and psoriatic human skin grafts on 'nude' mice: morphological and immunochemical studies. Haftek M, et al. **J Invest Dermatol** 1981 Jan;76(1):48–52
Suppressor function of peripheral blood mononuclear cells in patients with psoriasis vulgaris. Hunyadi J, et al. **J Invest Dermatol** 1980 Sep;75(3):217–8
Analysis of immunological responses in psoriatic lesions: (1) immunopathological studies on psoriatic lesions. Kaneko F, et al. **J Invest Dermatol** 1980 Nov;75(5):436–9
Immunological abnormalities in psoriatic arthropathy. Sany J, et al. **J Rheumatol** 1980 Jul–Aug;7(4):438–44
Atypical psoriasis following epoxy resin sensitization. Rycroft RJ. **J Soc Occup Med** 1980 Oct;30(4):132–4
Laboratory findings in patients with psoriasis, with special reference to immunological parameters, associations with arthropathy and sacro-iliitis. Vinje O, et al. **Scand J Rheumatol** 1980;9(2):97–105
[HLA-DRw typing in 40 patients with psoriasis] Raffoux C, et al. **C R Soc Biol (Paris)** 1980;174(1):28–32 (Eng. Abstr.) **(Fre)**
[Humoral abnormalities during psoriasis] Quaranta JF, et al. **Rev Med Interne** 1980;1(1):53–9 (Eng. Abstr.) **(Fre)**
[HLA complexes and psoriatic rheumatism] Cazalis P, et al. **Rev Rhum Mal Osteoartic** 1980 Oct;47(10):529–34 (Eng. Abstr.) **(Fre)**
[Disorders of immune regulation in psoriasis] Lubach D, et al. **Fortschr Med** 1980 Sep 18;98(35):1343–7 (79 ref.) (Eng. Abstr.) **(Ger)**
[Immunohistological and immunoserological studies on psoriasis] Gushiken H. **Nippon Hifuka Gakkai Zasshi** 1981 Mar;91(4):487–95 **(Jpn)**
[Immunological studies in psoriasis. T- and B-lymphocyte count] Rubisz-Brzezińska J, et al. **Pol Tyg Lek** 1980 Apr 28;35(17):605–7 (Eng. Abstr.) **(Pol)**
[Immunofluorescence studies on the earliest psoriatic changes – spontaneous pre-pinpoint papules] Jabłońska S, et al. **Przegl Dermatol** 1980;67(6):709–13 (Eng. Abstr.) **(Pol)**
[Immunological reactivity of patients with simple psoriasis. I. Delayed hypersensitivity to phytohemagglutinin] Kapińska-Mrówka M, et al. **Przegl Dermatol** 1980; 67(6):715–21 (Eng. Abstr.) **(Pol)**
[Immunological reactivity in simple psoriasis. III. Relative rosette-forming activity of T-lymphocytes and their Ta:Tt proportions in the clinical course and in relation to HL-A antigen expression] Turowski G, et al. **Przegl Dermatol** 1981 Jan-Feb;68(1):1–7 (Eng. Abstr.) **(Pol)**
[Immunological reactivity of patients with simple psoriasis. II. T-lymphocyte markers in TE rosette tests] Turowski G, et al. **Przegl Dermatol** 1980;67(6):723–8 (Eng. Abstr.) **(Pol)**
[Immunological reactivity in simple psoriasis. IV. Metabolic activity of the neutrophils in the spontaneous and stimulated nitroblue tetrazolium reduction test] Turowski G, et al. **Przegl Dermatol** 1981 Jan-Feb;68(1):9–16 (Eng. Abstr.) **(Pol)**
[Circulating immune complexes in psoriasis] Swierczyńska Z, et al. **Reumatologia** 1980;18(4):361–6 (Eng. Abstr.) **(Pol)**
[Indices of cellular and humoral immunity in hemosorption in patients with disseminated psoriasis] Evseev NG, et al. **Vestn Dermatol Venerol** 1980 Aug;(8):9–12 (Eng. Abstr.) **(Rus)**
[Clinical immunological studies in psoriasis] Liapon AO. **Vestn Dermatol Venerol** 1980 Nov;(11):8–14 (Eng. Abstr.) **(Rus)**
[Skin bactericidal functional dynamics in psoriasis depending on the state of natural body resistance] Rasskazov NI. **Vestn Dermatol Venerol** 1980 Oct;(10):9–12 (10 ref.) (Eng. Abstr.) **(Rus)**
[Effect of treatment on the immunological indices in psoriasis] Shaposhnikov OK, et al. **Voen Med Zh** 1981 Jan;(1):37–9 **(Rus)**
[Gel filtration of psoriatic synovial fluid] Santamaría A, et al. **Rev Esp Reum Enferm Osteoartic** 1980;23(2):87–90 **(Spa)**

METABOLISM

Retinoids in human epidermis. Vahlquist A. **Ann NY Acad Sci** 1981 Feb 27;359:366
A further study on the mechanism of deposition of plasma protein in psoriasis scale. Kimura S, et al. **Arch Dermatol Res** 1980;268(1):79–84
Lipid synthesis from the liver in patients with psoriasis. Mingrone G, et al. **Arch Dermatol Res** 1980;268(3):271–6
Scheduled DNA-synthesis after SUP and oral PUVA-treatment of psoriasis. Pullmann H, et al. **Arch Dermatol Res** 1980;268(1):105–7
Flow cytometry as a tool for the study of cell kinetics in skin 2. Cell kinetic data in psoriasis. Bauer FW, et al. **Br J Dermatol** 1981 Mar;104(3):271–6
Incorporation of D-(3H)glucosamine into normal and psoriatic epidermal glycoconjugates. King IA, et al. **Br J Dermatol** 1981 Apr;104(4):429–36
Distribution of glycoproteins containing fucose in normal and psoriatic keratinocytes. Mann PR, et al. **Br J Dermatol** 1980 Jun;102(6):649–57
Studies on the plasma membrane of normal and psoriatic keratinocytes. 3. Uptake of labelled sugars and their incorporation into glycoconjugates. Roelfzema H, et al. **Br J Dermatol** 1981 Jun;104(6):635–40
Antipyrine clearance in psoriasis. Chapman PH, et al. **Br Med J [Clin Res]** 1981 Jan 3;282(6257):20–1
The localization of cyclic nucleotides in the human epidermis: an immunohistochemical study. Mizumoto T, et al. **Curr Probl Dermatol** 1980;10:67–81
Cytochemical studies of nuclear DNA and RNA in normal and abnormal keratinizing tissues. Suzuki H, et al. **Curr Probl Dermatol** 1980;10:127–40
Phospholipid involvement in psoriatic epidermis. Ansidei V, et al. **Ital J Biochem** 1981 Jan-Feb;30(1):40–5
Identification of some abnormal metabolites in psoriatic nail using gas chromatography—mass spectrometry. Maeda K, et al. **J Chromatogr** 1980 Dec 12;221(2):199–204
Epidermal cyclic GMP is increased in psoriasis lesions. Adachi K, et al. **J Invest Dermatol** 1981 Jan;76(1):19–20
Comparative studies of keratins isolated from psoriasis and atopic dermatitis. Thaler M, et al. **J Invest Dermatol** 1980 Aug;75(2):156–8
Cyclic nucleotides, prostaglandins and polyamines in psoriasis. Marcelo CL, et al. **Pharmacol Ther [B]** 1980; 9(3):297–310 (113 ref.)
[Polyamines in psoriasis] Grosshans E, et al. **Ann Dermatol Venereol** 1980 May;107(5):377–87 (Eng. Abstr.) **(Fre)**
[Prostaglandin biosynthesis in psoriatic epidermis (author's transl)] Michel B, et al. **Ann Dermatol Venereol** 1980; 107(10):889–93 (40 ref.) (Eng. Abstr.) **(Fre)**
[Phenylalanine-tyrosine metabolism in psoriasis vulgaris. Search on a genetic basic defect (author's transl)] Knapp A, et al. **Dermatol Monatsschr** 1980 Jul;166(7):470–7 (Eng. Abstr.) **(Ger)**
[Oxidation reduction processes in skin with psoriasis] Golovchenko DIA. **Ukr Biokhim Zh** 1980 Sep-Oct; 52(5):604–6 (Eng. Abstr.) **(Rus)**
[Various changes in purine metabolism in psoriasis] Aleksandrova LA, et al. **Vestn Dermatol Venerol** 1981 Mar; (3):27–30 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

The effect of short-term occlusion on the cutaneous flora in atopic dermatitis and psoriasis. Rajka G, et al. **Acta Derm Venereol (Stockh)** 1981;61(2):150–3
[Bacterial and fungal flora of the skin in healthy subjects and psoriasis patients] Seneczko F, et al. **Przegl Dermatol** 1980;67(6):799–804 **(Pol)**

OCCURRENCE

Psoriasis in hospital population. Adam BA. **Med J Malaysia** 1980 Jun;34(4):370–4
[Psoriasis in Senegal] Strobel M, et al. **Dakar Med** 1981; 26(1):18–25 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Psoriasis on scar — an experimental study. Vukas A, et al. **Acta Med Iugosl** 1980;34(5):355–61
On the evolution, maturation, and regression of lesions of psoriasis [letter] Pinkus H, et al. **Am J Dermatopathol** 1980 Fall;2(3):287–8
Subtle clues to diagnosis from biopsies of nails. Histologic differential diagnosis of onychomycosis and psoriasis of the nail unit from cornified cells of the nail bed alone. Scher RK, et al. **Am J Dermatopathol** 1980 Fall;2(3):255–6
Annular pustular psoriasis. Adler DJ, et al. **Arch Dermatol** 1981 May;117(5):313–4
Pathologic S-phase in the cells of eccrine sweat glands and of hair follicles in psoriasis. Galosi A, et al. **Arch Dermatol Res** 1980;268(3):257–60
The kinetics of metaphase arrest in human psoriatic epidermis: an examination of optimal experimental conditions for determining the birth rate. Ralfs I, et al. **Br J Dermatol** 1981 Mar;104(3):231–42
Follicular psoriasis. Stankler L, et al. **Br J Dermatol** 1981 Feb;104(2):153–6
Ultrastructural evidence suggesting an immunomodulatory activity of oral retinoid. Its effect on dermal components in psoriasis. Tsambaos D, et al. **Br J Dermatol** 1981 Jan; 104(1):37–45
The structure of filaments of normal and psoriatic horny cells. Matoltsy AG, et al. **Curr Probl Dermatol** 1980;10:365–77
DNA synthesis in cultured epidermal cells from psoriatic and normal skin. Katayama H, et al. **J Dermatol (Tokyo)** 1981 Apr;8(2):113–6
Normal and psoriatic keratinocytes and fibroblasts compared in culture. Baden HP, et al. **J Invest Dermatol** 1981 Jan; 76(1):53–5
[Case presentations] Laugier P, et al. **Dermatologica** 1980; 161(6):397–404 **(Fre)**
[Granulofilamentous intranuclear bodies detected by ultrastructural studies in lichen planus and psoriasis] Rózsa G. **Morphol Igazsagugyi Orv Sz** 1981 Jul;21(3):193–9 (Eng. Abstr.) **(Hun)**
[Case of psoriasis with involvement of the temporomandibular joints] Carboni GP, et al. **Minerva Stomatol** 1981 Mar-Apr;30(2):113–20 (Eng. Abstr.) **(Ita)**
[Effects of indomethacin on psoriasis (author's transl)] Katayama H, et al. **Nippon Hifuka Gakkai Zasshi** 1980 Oct; 90(11):1027–30 **(Jpn)**
[Studies on the PUVA (psoralen plus UVA) therapy of psoriasis. II. Histological findings of the treated skin (author's transl)] Kumakiri M, et al.

Nippon Hifuka Gakkai Zasshi 1980 Oct;90(11):1003–8 **(Jpn)**

[Histochemical studies of the unchanged skin in patients with psoriasis] Chowaniec O, et al. **Przegl Dermatol** 1980 Jul–Aug;67(4):427–32 (Eng. Abstr.) **(Pol)**

[Studies on the histogenesis of psoriasis] Chowaniec O. **Przegl Dermatol** 1980 Sep–Oct;67(5):659–61 **(Pol)**

[Liver oligobiopsy in psoriasis] Ruszczak Z, et al. **Przegl Dermatol** 1980 Jul–Aug;67(4):417–20 (Eng. Abstr.) **(Pol)**

[Modifying effect of the blood serum of patients with psoriasis on the inhibitory activity of epidermal chalones] Dosychev EA, et al. **Vestn Dermatol Venerol** 1981 Mar; (3):18–20 (Eng. Abstr.) **(Rus)**

[Combination of psoriasis and bronchial asthma] Rudyk BI. **Vestn Dermatol Venerol** 1980 Sep;(9):53–4 **(Rus)**

[Disorders of keratinization processes in psoriasis detected by electron microscopy] Tsvetkova GM, et al. **Vestn Dermatol Venerol** 1980 Dec;(12):4–11 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Psoriasis: an epidermal disease or a systemic condition. Wahba A. **Int J Dermatol** 1981 Mar;20(2):108–9

[Diurnal rhythm of sweat secretion in healthy persons and in patients with psoriasis and ichthyosis] Biernat A. **Przegl Dermatol** 1980 May–Jun;67(3):337–42 (Eng. Abstr.) **(Pol)**

[Liver function tests in psoriasis] Ruszczak Z, et al. **Przegl Dermatol** 1980 Jul–Aug;67(4):413–6 (Eng. Abstr.) **(Pol)**

[Characteristics of the clinical course of combined lupus erythematosus and psoriasis] Belostotskaia ES, et al. **Vestn Dermatol Venerol** 1980 Oct;(10):38–40 (11 ref.) (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Life events and psychological distress in dermatologic disorders: psoriasis, chronic urticaria and fungal infections. Fava GA, et al. **Br J Med Psychol** 1980 Sep;53(3):277–82

Dealing with the disadvantaged: psoriasis. Henley LA. **Br Med J [Clin Res]** 1981 Jun 6;282(6279):1851–2

RADIOGRAPHY

[X-ray diagnosis of psoriatic arthritis (an analysis of 9 cases) (author's transl)] Yan SC. **Chung Hua Fang She Hsueh Tsa Chih** 1979;13(3):184–5 **(Chi)**

[Photochemotherapy of psoriasis using 8-MOP and UVA. Results of interval treatment. Clinical experiences from 6 dermatology hospitals] Metz D, et al. **Dermatol Monatsschr** 1980 Jun;166(6):415–7 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

[Bone scintigraphy in psoriasis (author's transl)] Hahn K, et al. **Nuklearmedizin** 1980 Aug;19(4):178–86 (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

Lentigo maligna melanoma in a treated psoriatic plaque. Proctor MS, et al. **Arch Dermatol** 1981 Mar;117(3):149–50

Effect of grenz rays on psoriasis treated with local cortcosteroids. Brodersen I, et al. **Dermatologica** 1981; 162(5):327–9

Influence of UVA on the erythematogenic and therapeutic effects of UVB irradiation in psoriasis; photoaugmentation effects. Boer J, et al. **J Invest Dermatol** 1981 Jan;76(1):56–8

[Selected ultraviolet phototherapy (SUP) of psoriasis vulgaris using fluorescent bulbs. I. Results of a therapeutical trial (author's transl)] Meffert H, et al. **Dermatol Monatsschr** 1981 Apr;167(4):210–6 (Eng. Abstr.) **(Ger)**

THERAPY

Dialysis treatment of psoriasis [editorial] Anderson PC. **Arch Dermatol** 1981 Feb;117(2):67–8

Failure of oral gastrointestinal dialysis as therapy for psoriasis. Bamford JT, et al. **Arch Dermatol** 1981 May; 117(5):276–7

Dialysis therapy for psoriasis. Report of three cases and review of the literature. Halevy S, et al. **Arch Dermatol** 1981 Feb;117(2):69–72

Skin cancer in patients with psoriasis treated with coal tar. A 25-year follow-up study. Pittelkow MR, et al. **Arch Dermatol** 1981 Aug;117(8):465–8

Oral administration of human dialyzable transfer factor in a patient with psoriasis [letter] Schwartz RA, et al. **Arch Dermatol** 1981 Jan;117(1):3–4

Transfer factor therapy in psoriasis. Ruzicka T, et al. **Arch Dermatol Res** 1980;268(3):319–20

Therapy of psoriasis: comparison of photochemotherapy and several variants of phototherapy. van Weelden H, et al. **Br J Dermatol** 1980 Jul;103(1):1–9

UV-B phototherapy of psoriasis. Boer J, et al. **Dermatologica** 1980;161(4):250–8

The cardiovascular stress of photochemotherapy (PUVA). Ciafone RA, et al. **J Am Acad Dermatol** 1980 Nov; 3(5):499–505

Effect of local hyperthermia on two cases of psoriasis vulgaris. Urabe H, et al. **J Dermatol (Tokyo)** 1980 Jun; 7(3):221–3

The activity of polymorphonuclear leukocyte neutral proteinases and their inhibitors in patients with psoriasis treated with a continuous peritoneal dialysis. Glinski W, et al. **J Invest Dermatol** 1980 Dec;75(6):481–7

Preliminary report: modified Goeckerman therapy for hospitalized patients: ambulatory day care center and improved quantitative dosimetry. Harber LC, et al. **J Invest Dermatol** 1981 Jul;77(1):162–6

Action spectrum for phototherapy of psoriasis. Parrish JA, et al. **J Invest Dermatol** 1981 May;76(5):359–62

Leukocyte counts and arterial blood gases in nonrenal psoriatic patients treated with extracorporeal devices: Preliminary report. Chang K, et al. **Proc Clin Dial Transplant Forum** 1979;9:133–5

Biofeedback and psychotherapeutic treatment of psoriasis: a brief report. Hughes HH, et al. **Psychol Rep** 1981 Feb; 48(1):99–102

[Experience of psoriasis treatment with Goeckerman's method (author's transl)] Koudelková V, et al. **Cesk Dermatol** 1981 Apr;56(2):115–8 (Eng. Abstr.) **(Cze)**

[Autovaccination in the treatment of psoriasis (author's transl)] Sevcová M, et al. **Cesk Dermatol** 1981 Apr; 56(2):100–4 (Eng. Abstr.) **(Cze)**

[Experience with newer psoriasis therapies (author's transl)] Schuppli R. **Dermatologica** 1980;161(6):372–7 (Eng. Abstr.) **(Ger)**

[Improvement of psoriasis by haemodialysis (author's transl)] Sprenger-Klasen I, et al. **Dtsch Med Wochenschr** 1980 Jun 27;105(26):925–8 (Eng. Abstr.) **(Ger)**

[Peritoneal dialysis therapy in psoriasis] Göring HD, et al. **Hautarzt** 1981 Apr;32(4):173–8 (Eng. Abstr.) **(Ger)**

[Acupuncture treatment in psoriasis] Goldschmitt D, et al. **Med Welt** 1981 Jan 30;32(5):158–9 **(Ger)**

[What value do modern procedures have in the treatment of psoriasis?] Nasemann T, et al. **Med Welt** 1981 Jan 30; 32(5):145–6 **(Ger)**

[Comparison of conventional external methods of therapy in psoriasis vulgaris] Köstler E, et al. **Z Aerztl Fortbild (Jena)** 1980 Apr 15;74(8):367–9 **(Ger)**

[Dialysis in psoriasis (author's transl)] Hanicki Z, et al. **Przegl Lek** 1981;38(3):359–63 (Eng. Abstr.) **(Pol)**

URINE

[Free and bound 8-methoxypsoralen levels in 24-hour urine of psoriasis patients] Washüttl J, et al. **Dermatol Monatsschr** 1980 Aug;166(8):564–5 **(Ger)**

VETERINARY

Psoriasiform dermatosis in a rhesus monkey. Lowe NJ, et al. **J Invest Dermatol** 1981 Feb;76(2):141–3

PSYCHEDELIC AGENTS see **HALLUCINOGENS**

PSYCHIATRIC AIDES

PSYCHOLOGY

Ward 3A revisited. Stannard-Friel D. **Psychiatry** 1981 May; 44(2):150–60

STANDARDS

Factors related to the successful performance of psychiatric aides. Melick ME, et al. **Hosp Community Psychiatry** 1981 Jun;32(6):401–4

PSYCHIATRIC DEPARTMENT, HOSPITAL

Psychosocial climate of a psychiatric ward: differential perceptions of nursing personnel and other professionals. Friedman S, et al. **Am J Community Psychol** 1980 Oct; 8(5):613–5

Observations on the behaviour of patients in a state mental hospital and a general hospital psychiatric unit: a comparative study. Poole AD, et al. **Behav Res Ther** 1981; 19(2):125–34

Admission of old people to psychiatric units [letter] **Br Med J** 1980 Nov 1;281(6249):1214

Adolescents in a general hospital psychiatric unit. Elliott K, et al. **Can J Psychiatry** 1980 Nov;25(7):545–52

Treatment of the elderly on a general hospital psychiatric short-stay unit. Schwarz CJ, et al. **Can J Psychiatry** 1980 Dec;25(8):633–7

The effect of visiting on psychiatric patients in a general hospital. Bernstein RA, et al. **Community Ment Health J** 1980 Fall;16(3):235–40

Medical and surgical consultations to a general hospital psychiatric unit. Bernstein RA, et al. **Gen Hosp Psychiatry** 1980 Dec;2(4):267–70

The 'least restrictive environment': from rhetoric to practice. Leeman CP. **Gen Hosp Psychiatry** 1980 Sep;2(3):229–32

Admissions to a South African general hospital psychiatric unit. Levin A, et al. **Gen Hosp Psychiatry** 1981 Jun; 3(2):165–70

Psychotherapy consultation in an inpatient setting. Bernstein SB. **Hosp Community Psychiatry** 1980 Dec;31(12):829–34

Length of stay for patients in one city's hospitals with psychiatric units. Heiman EM, et al. **Hosp Community Psychiatry** 1980 Sep;31(9):632–4

Staff smoking on the ward: iatrogenic addiction, iatrogenic cancer. Lewis TH. **Hosp Community Psychiatry** 1981 Jul; 32(7):502–3

The story of 'Dear John' and Washington's Sibley Hospital. Lebensohn ZM. **Hospitals** 1981 May 1;55(9):86

Recreation areas and skylights bring outdoors into psychiatric unit. McLaughlin HP, et al. **Hospitals** 1981 Feb 16; 55(4):145–6, 148, 171

Patient reaction to psychiatric hospitalization. Mink SH, et al. **Minn Med** 1980 Sep;63(9):667–75

The developmental phases of the nurse/resident relationship on an in-patient psychiatric unit. Feldman R, et al. **Perspect Psychiatr Care** 1981 Jan–Feb;19(1):31–9

Ward 3A revisited. Stannard-Friel D. **Psychiatry** 1981 May; 44(2):150–60

[Emergency psychiatric work in an acute psychiatric admission department] Strøm PF. **Ugeskr Laeger** 1980 Jun 9;142(24):1585–8 (Eng. Abstr.) **(Dan)**

[The flow of information between the psychiatric clinic and ambulatory facilities] Otto K, et al. **Z Aerztl Fortbild (Jena)** 1979 Dec 15;73(24):1179–84 **(Ger)**

[What kind of ward atmosphere is therapeutic for psychotic and non-psychotic patients? Necessity of differentiated treatment milieus] Friis S. **Tidsskr Nor Laegeforen** 1981 May;101(14):848–52 **(Nor)**

[Educational function of the psychiatric service for interdepartmental liaison and consultation] Vázquez Barquero JL. **Actas Luso Esp Neurol Psiquiatr** 1980 Sep–Oct;8(5):383–92 (Eng. Abstr.) **(Spa)**

ECONOMICS

A comparison of two different services treating schizophrenia: a cost-benefit approach. Jones R, et al. **Psychol Med** 1980 Aug;10(3):493–505

LEGISLATION & JURISPRUDENCE

Multimillion-dollar verdict in malpractice case in Connecticut: a complex trial record. Curran WJ. **Conn Med** 1980 Nov;44(11):729–30

ORGANIZATION & ADMINISTRATION

The inpatient psychiatric unit as a system. Chase S, et al. **Behav Sci** 1981 Jul;26(3):197–205

Decision making in an interdisciplinary team. Chase S, et al. **Behav Sci** 1981 Jul;26(3):206–15

Planning for crisis on a psychiatric research ward: a task analysis. Kosten TR, et al. **Compr Psychiatry** 1981 May–Jun;22(3):306–11

The effects of geographic relocations on a general hospital's psychiatric units. Flaherty JA, et al. **Hosp Community Psychiatry** 1980 Dec;31(12):819–21

The mixed medical-psychiatric unit: an alternative approach to inpatient psychiatric care. Markoff RA, et al. **Hosp Community Psychiatry** 1981 Aug;32(8):561–4

Psychiatric care: a new role for hospitals? Keill SL. **Hospitals** 1980 Oct 1;54(19):67–70

Planning can ease provision of inpatient mental health services. Pinkert MS. **Hospitals** 1981 May 1;55(9):85–8

Hospital treatment of elderly neuropsychiatric patients. I. Initial clinical and administrative experience with a new teaching ward. Ford CV, et al. **J Am Geriatr Soc** 1980 Oct;28(10):446–50

A comprehensive adolescent treatment program: an inpatient, interdisciplinary approach. Buchanan DM, et al. **J Psychiatr Nurs** 1980 Jul;18(7):42–5

Interface of psychiatric clinical specialists in a community hospital setting. Samter J, et al. **J Psychiatr Nurs** 1981 Jan; 19(1):20–9

Study on the use of the seclusion room. Redmond FC. **QRB** 1980 Aug;6(8):20–3

[Changes in the psychiatric department] Lotz M, et al. **Ugeskr Laeger** 1980 Jun 9;142(24):1581–5 (Eng. Abstr.) **(Dan)**

[Role of a district university psychiatric department in compliance with the law of 30 June 1838 (editorial)] Bourguignon A, et al. **Ann Med Interne (Paris)** 1980; 131(6):327–8 **(Fre)**

[Assistance in the psychiatric department of a general hospital] Giner Ubago J, et al. **Ann Med Psychol (Paris)** 1980 Jun;138(6):686–92 **(Fre)**

[Effect of the open-door system in general hospitals on knowledge in psychiatry] Marchais P. **Ann Med Psychol (Paris)** 1980 Jun;138(6):663–8 **(Fre)**

[Experience in caring for adolescents (author's transl)] Basquin M, et al. **Neuropsychiatr Enfance Adolesc** 1980 Oct–Nov;28(10–11):487–9 (Eng. Abstr.) **(Fre)**

[Psychiatry in a country hospital in Freudenstadt, close to the patients' domicile. A critical preliminary review after three years (author's transl)] Gruner W. **Psychiatr Prax** 1981 Feb;8(1):34–7 (Eng. Abstr.) **(Ger)**

[Tasks and organization of ambulatory psychiatric care] Kreyssig M. **Z Aerztl Fortbild (Jena)** 1980 Apr 15; 74(8):345–50 **(Ger)**

[Acute psychiatry and milieu therapy – can they be connected?] Dahl AA. **Tidsskr Nor Laegeforen** 1981 May; 101(14):859–62 **(Nor)**

[The treatment organization: therapeutic or antitherapeutic community? Some organizational aspects on environmental therapy of ego-weak patients] Larsen E. **Tidsskr Nor Laegeforen** 1981 May;101(14):843–848 (Eng. Abstr.) **(Nor)**

[Comparison of psychiatric clinics: psychiatric departments can be opened but administrations will thwart their development (news)] Dencker SJ, et al. **Lakartidningen** 1980 Jul 23;77(30–31):2570–2 **(Swe)**

TRENDS

General hospital psychiatry: overview from a sociological perspective. Bachrach LL. **Am J Psychiatry** 1981 Jul; 138(7):879–87 (98 ref.)

General hospital psychiatry U.S.A.: retrospect and prospect. Lebensohn ZM. **Compr Psychiatry** 1980 Nov–Dec; 21(6):500–9

Hospital psychiatric services begin a changing of the guard. Friedman E. **Hospitals** 1981 May 1;55(9):52–5

The Department of Psychiatry, University of Nebraska Medical Center. Eaton MT. **Nebr Med J** 1981 Mar; 66(3):60–1

[Development of the psychiatric consultation at the general hospital] Charbonnier JF, et al. **Ann Med Psychol (Paris)** 1980 Jun;138(6):657–62 **(Fre)**

[Psychological diseases and their management––reappraisal of our present status] Hirota I. **Seishin Shinkeigaku Zasshi** 1980;82(10):599–625 **(Jpn)**

UTILIZATION

Social and clinical correlates of the 'new' long–stay. Babiker IE. **Acta Psychiatr Scand** 1980 Apr;61(4):365–75

Hospital and outpatient care for psychotic patients during the last three decades. Subsequent hospital and outpatient treatment of psychotic patients hospitalized for the first time in 1949––50, 1959––60 or 1969––70. Salokangas RK. **Acta Psychiatr Scand** 1980 July;62(1):47–62

A psychiatric unit serving an international community. Barnes FF. **Hosp Community Psychiatry** 1980 Nov; 31(11):756–8

Utility of psychiatric unit in a teaching general hospital a study of in–patient psychiatric referrals. Shukla GD, et al. **J Assoc Physicians India** 1980 Oct;28(10):337–41

The distance factor in the use of psychiatric facilities. Haworth A. **Med J Zambia** 1980 Dec–1981 Jan;15(1):6–9

Two years' referrals to a regional adolescent unit: some implications for psychiatric services. Steinberg D, et al. **Soc Sci Med [E]** 1981 May;15E(2):113–22

[Hospitalisation profile in a psychiatric service within a general hospital (author's transl)] Corten P. **Acta Psychiatr Belg** 1979 Nov–Dec;79(6):647–72 (Eng. Abstr.) **(Fre)**

[Contradictions of a psychiatric unit] Richard–Mercier A, et al. **Ann Med Psychol (Paris)** 1980 May;138(5):517–28 **(Fre)**

PSYCHIATRIC NURSING

Ward atmosphere and psychiatric nurses' job satisfaction. Dorr D, et al. **Am J Community Psychol** 1980 Aug; 8(4):455–61

Professional action through positive thinking: a case in point. Offer PA. **Am J Nurs** 1980 Aug;80(8):1454–5

Psychogeriatric dependency rating scales (PGDRS): a method of assessment for use by nurses. Wilkinson IM, et al. **Br J Psychiatry** 1980 Dec;137:558–65

Community psychiatric nursing––a literature review. Griffith JH, et al. **Int J Nurs Stud** 1980;17(3):197–210

Social work and community psychiatric nursing––a review. Hunter P. **Int J Nurs Stud** 1980;17(2):131–9

Study priorities identified by nurses in mental health settings. Ventura MR, et al. **Int J Nurs Stud** 1981;18(1):41–6

A comparative study of the psychiatric nurse's attitudes toward mental patients. Ayuso Gutierrez JL, et al. **Int J Rehabil Res** 1980;3(4):558

Making use of unsolicited research data. Cormack DF. **J Adv Nurs** 1981 Jan;6(1):41–9

Psychiatric liaison nurse for neurosurgery: an innovative approach to management of chronic pain. Jones P. **J Neurosurg Nurs** 1978 Dec;10(4):160–5

Assertion therapy: the nurse and the psychiatric patient in an acute, short–term hospital setting. Bowman C, et al. **J Psychiatr Nurs** 1981 Jun;19(6):7–21

Quality assurance: focus on environmental perceptions of psychiatric patients and nursing staff. Miller TW, et al. **J Psychiatr Nurs** 1980 Dec;18(12):9–14

Interface of psychiatric clinical specialists in a community hospital setting. Samter J, et al. **J Psychiatr Nurs** 1981 Jan; 19(1):20–9

No–suicide contract for nurses. Twiname BG. **J Psychiatr Nurs** 1981 Jul;19(7):11–2

The developmental phases of the nurse/resident relationship on an in–patient psychiatric unit. Feldman R, et al. **Perspect Psychiatr Care** 1981 Jan–Feb;19(1):31–9

Mutual withdrawal... or Gwen Tudor revisited. Slavinsky AT, et al. **Perspect Psychiatr Care** 1980 Sep–Oct; 18(5):194–203

Street attire vs nurses' uniforms: a brief questionnaire. Sterling FE, et al. **Psychol Rep** 1980 Aug;47(1):181–2

The role of the nurse on a consultation–liaison team. Stickney SK, et al. **Psychosomatics** 1981 Mar;22(3):224–35

EDUCATION

Prison––a learning experience. Bridges MJ. **Am J Nurs** 1981 Apr;81(4):744–5

New student in psych. Stacklum MM. **Am J Nurs** 1981 Apr; 81(4):762

Nursing students and a mental health consultation program. Lambert CE, et al. **J Psychiatr Nurs** 1981 Mar;19(3):29–35

Human sexuality growth groups. Silbert DT. **J Psychiatr Nurs** 1981 Feb;19(2):31–4

Concentrating on the process of learning while teaching clearly defined communication skills. Johnson MH, et al. **JNE** 1981 Mar;20(3):3–14

An innovative placement in mental health for baccalaureate nursing students. Scheffer B. **JNE** 1981 Apr;20(4):33–9

Videotape as an evaluation tool. Richards A, et al. **Nurs Outlook** 1981 Jan;29(1):35–8

Negotiating group process experiences. Wilson MF. **Nurs Outlook** 1980 Jun;28(6):360–4

A model for advanced nursing preparation in chronic psychiatric care. Krauss JB, et al. **Perspect Psychiatr Care** 1981 Jan–Feb;19(1):11–20

Should there be a national organization of directors of graduate programs in psychiatric mental health nursing? Miller JC. **Perspect Psychiatr Care** 1980 May–Jun; 18(3):118, 138

Should there be a national organization of graduate programs in psychiatric mental health nursing? Poulsen S. **Perspect Psychiatr Care** 1980 May–Jun;18(3):119, 138–9

[Care of confined mental patients. Analysis of a training experience for attendants at a psychiatric hospital] Minzoni MA. **Bol Of Sanit Panam** 1980 Mar;88(3):242–51 (Eng. Abstr.) **(Por)**

HISTORY

A case for community psychiatric nurses. Dawe AM. **J Adv Nurs** 1980 Sep;5(5):485–90

Development of care for the mentally ill. Keeffe D. **Physiotherapy** 1980 Dec;66(12):407–8

METHODS

Defining the role and function of the psychiatric nurse as a member of the team. Benfer BA. **Perspect Psychiatr Care** 1980 Jul–Aug;18(4):166–77

Therapeutic tasks: strategies for change. Goldberg C. **Perspect Psychiatr Care** 1980 Jul–Aug;18(4):156–62

ORGANIZATION & ADMINISTRATION

Kardex forms for psychiatric nursing. Holden M, et al. **J Psychiatr Nurs** 1981 May;19(5):29–31

Should the clinical nurse specialist be free of administrative responsibility? Beeber LS, et al. **Perspect Psychiatr Care** 1980 Nov–Dec;18(6):250–1, 267–9

Learned helplessness: a phenomenon observed among the nursing staff of 'city hospital'. Malcomson K. **Perspect Psychiatr Care** 1980 Nov–Dec;18(6):252–5

A consultation analysis of learned helplessness at 'city hospital'. Wilson HS, et al. **Perspect Psychiatr Care** 1980 Nov–Dec;18(6):256–60

STANDARDS

A judgment on standards. Cushing M. **Am J Nurs** 1981 Apr; 81(4):797–8

Overseas nurses––effective therapeutic agents? Shanley E. **J Adv Nurs** 1980 Sep;5(5):539–3

The psychiatric nurse––accountable? to whom? for what? Peplau HE. **Perspect Psychiatr Care** 1980 May–Jun; 18(3):128–34

PSYCHIATRIC SOCIAL WORK see **SOCIAL WORK, PSYCHIATRIC**

PSYCHIATRIC STATUS RATING SCALES

The WHO Depression Scale. Relationship to the Newcastle Scales. Bech P, et al. **Acta Psychiatr Scand** 1980 Aug; 62(2):140–53

The Hamilton depression scale. Evaluation of objectivity using logistic models. Bech P, et al. **Acta Psychiatr Scand** 1981 Mar;63(3):290–9

Premenstrual tension syndrome: the development of research diagnostic criteria and new rating scales. Steiner M, et al. **Acta Psychiatr Scand** 1980 Aug;62(2):177–90

An orientation scale for geriatric patients. Berg S, et al. **Age Ageing** 1980 Nov;9(4):215–9

The use of the AML scale with a headstart population: normative and validation studies. Carberry AT, et al. **Am J Community Psychol** 1980 Jun;8(3):353–63

Use of the AML scale to identify adjustment problems in fourth–, fifth–, and sixth–grade children. Dorr D, et al. **Am J Community Psychol** 1980 Jun;8(3):341–52

Concurrent validity of the adaptive behavior scale as assessed by the Vineland Social Maturity Scale. Roszkowski MJ. **Am J Ment Defic** 1980 Jul;85(1):86–9

The adaptive behavior scale: a study of criterion validity. Spreat S. **Am J Ment Defic** 1980 Jul;85(1):61–8

Use of a self–report symptom scale to detect depression in a community sample. Myers JK, et al. **Am J Psychiatry** 1980 Sep;137(9):1081–4

Hamilton Depression Rating Scale. Extracted from Regular and Change Versions of the Schedule for Affective Disorders and Schizophrenia. Endicott J, et al. **Arch Gen Psychiatry** 1981 Jan;38(1):98–103

The Psychiatric Status Schedule for epidemiological research. Methodological considerations. Spitzer RL, et al. **Arch Gen Psychiatry** 1980 Oct;37(10):1193–7

Life event reports by psychiatric patients, nonpatients, and their partners. Yager J, et al. **Arch Gen Psychiatry** 1981 Mar;38(3):343–7

Psychopathology and language behavior in schizophrenics. Angermeyer MC, et al. **Arch Psychiatr Nervenkr** 1980; 228(2):151–60

The reliability of a Survey Psychiatric Assessment Schedule for the elderly. Bond J, et al. **Br J Psychiatry** 1980 Aug; 137:148–62

Psychogeriatric dependency rating scales (PGDRS): a method of assessment for use by nurses. Wilkinson IM, et al. **Br J Psychiatry** 1980 Dec;137:558–65

Psychopathic State Inventory (PSI): development of a short test for measuring psychopathic states. Haertzen CA, et al. **Int J Addict** 1980;15(1):137–46

Revision and validation of the TWWA Scales. Lin TT. **Int J Addict** 1980;15(5):757–64

Scaling the stressfulness of gynecological complaints. Patterson V, et al. **Int J Psychiatry Med** 1980–81; 10(4):315–25

Assessment techniques for childhood depression: a critical appraisal. Kazdin AE. **J Am Acad Child Psychiatry** 1981 Spring;20(2):358–75 (53 ref.)

Development of a geriatric behavioral self–assessment scale. Yesavage JA, et al. **J Am Geriatr Soc** 1981 Jun;29(6):285–8

Correlational structure of a new self–rating scale for psychiatric patients. Overall JE. **J Clin Psychol** 1980 Jul; 36(3):616–24

Validation of a screening battery for psychogeriatric assessment. Cresswell DL, et al. **J Gerontol** 1981 Jul; 36(4):435–40

Depression, physical health and somatic complaints in the elderly: a study of the Zung Self–Rating Depression Scale. Steuer J, et al. **J Gerontol** 1980 Sep;35(5):683–8

Validation of the General Practitioner Clinical Research Group 11–item depression scale. Gringras M. **J Int Med Res** 1980;8 Suppl 3:45–8

The use of a structured diagnostic interview for routine psychiatric evaluations. Helzer JE. **J Nerv Ment Dis** 1981 Jan;169(1):45–9

Children's symptom and social functioning self–report scales. Comparison of mothers' and children's reports. Weissman MM, et al. **J Nerv Ment Dis** 1980 Dec;168(12):736–40

A validation study of forms A and B of the Whitaker Index of Schizophrenic Thinking. Evans RG, et al. **J Pers Assess** 1980 Aug;44(4):416–9

Psychometric properties of adaptive behavior scales: guidelines for producers and consumers. Berk RA. **Ment Retard** 1980 Feb;18(1):47–9

Mild, moderate, severe––the statistical analysis of short ordinal scales. Elton RA, et al. **Neuropharmacology** 1980 Dec;19(12):1239

A self–rating scale for depression designed to be sensitive to change. Tiplady B. **Neuropharmacology** 1980 Dec; 19(12):1211–2

Measuring adjustment in chronically ill clients in community mental health care. An assessment of the Psychological Mental Health Index. Ulin PR. **Nurs Res** 1981 Jul–Aug; 30(4):229–35

The principal dimensions of manifest depression: II. A comparison of factor–analytic studies on depressive symptomatology. Pull CB, et al. **Prog Neuropsychopharmacol** 1980;4(4–5):435–41

The Case Record Rating Scale: a method for rating symptom and social function data from case records. Strauss JS, et al. **Psychiatry Res** 1981 Jun;4(3):333–45

The nature of missing data in a psychiatric data inventory. Galdi J, et al. **Psychopharmacol Bull** 1981 Apr;17(2):66–71

A cognitive impairment scale applicable to verbal samples and its possible use in clinical trials in patients with dementia [proceedings] Gottschalk LA, et al. **Psychopharmacol Bull** 1980 Oct;16(4):25–7

[CPRS – new psychopathological scale of Scandinavian and English authors (author's transl)] Balon R, et al. **Cesk Psychiatr** 1980;76(6):405–20 (Eng. Abstr.) **(Cze)**

[The application of Spitzer's Mental Status Schedule in a sample of patients with dysthymic disorders] Rasore E, et al. **Minerva Psichiatr** 1980 Oct–Dec;21(4):395–403 (Eng. Abstr.) **(Ita)**

[A proposal for a more precise modification of the Plutchik scale for geriatric evaluation (author's transl)] Haubrich–Kochelt M. **Psychiatr Pol** 1981 Jan–Feb; 15(1):59–63 (Eng. Abstr.) **(Pol)**

PSYCHIATRY

Psychiatry in Kenya: yesterday, today and tomorrow.. An overview. Ndetei DM. **Acta Psychiatr Scand** 1980 Sep; 62(3):201–11

Are books and readers facing extinction? [editorial] Andreasen NC. **Am J Psychiatry** 1980 Sep;137(9):1079–80

The patient care crisis in community mental health centers: a need for more psychiatric involvement. Berlin RM, et al. **Am J Psychiatry** 1981 Apr;138(4):450–4

Intrapsychic structural effects of psychiatric research [letter] Braff DL. **Am J Psychiatry** 1980 Sep;137(9):1129–30

The medical student's choice of psychiatry as a career: a survey of one graduating class. Crowder MK, et al. **Am J Psychiatry** 1981 Apr;138(4):505–8

Apartheid and psychiatry [letter] Frankel FH.

Am J Psychiatry 1980 Sep;137(9):1128
Psychiatrists' life and work patterns: a statewide comparison of women and men. Goldstein MZ, et al. **Am J Psychiatry** 1981 Jul;138(7):919–24
Clinical and cost benefits of liaison psychiatry. Levitan SJ, et al. **Am J Psychiatry** 1981 Jun;138(6):790–3
Dilemmas in the evaluation and management of religious cultists. Maleson FG. **Am J Psychiatry** 1981 Jul; 138(7):925–9
The initial encounter: what to do first? Margulies A, et al. **Am J Psychiatry** 1981 Apr;138(4):421–8
Psychiatrists and eclecticism [letter] Mode A. **Am J Psychiatry** 1981 Feb;138(2):257–8
Differences between psychologists ant psychiatrists in the use of DSM–III. Morey LC. **Am J Psychiatry** 1980 Sep; 137(9):1123–4
Medicaid records and the psychiatric private sector. Perlman BB, et al. **Am J Psychiatry** 1980 Dec;137(12):1586–8
The role of psychiatrists in the medical school admissions process. Talbott JA, et al. **Am J Psychiatry** 1981 Feb; 138(2):221–4
The psychiatrist's perspective: two images of the patient. Leibow D. **Ann NY Acad Sci** 1981;368:123–7
The feasibility of using a Canadian examination for the certification of Australasian candidates in psychiatry. Skakun EN, et al. **Annu Conf Res Med Educ** 1980;(19):21–6
Compliance with psychiatric consultant's recommendations [letter] Kramer BA, et al. **Arch Gen Psychiatry** 1980 Sep; 37(9):1082–3
An interdisciplinary comparison of consultation outcomes. Psychiatry vs cardiology. Popkin MK, et al. **Arch Gen Psychiatry** 1981 Jul;38(7):821–5
The historical context of Franz Kallmann and psychiatric genetics. Gershon ES. **Arch Psychiatr Nervenkr** 1981; 229(4):273–6
The great equation is wrong. Baume P. **Aust NZ J Psychiatry** 1980 Sep;14(3):175–8
The political misuse of Soviet psychiatry: Honolulu and beyond. Bloch S. **Aust NZ J Psychiatry** 1980 Jun; 14(2):109–14
Neurology and psychiatry in South Africa. Bennett AE. **Biol Psychiatry** 1980 Apr;15(2):353–9
Racism in African psychiatry [editorial] Wortis J. **Biol Psychiatry** 1980 Apr;15(2):181–2
Psychiatrists against war [editorial] Wortis J. **Biol Psychiatry** 1981 Apr;16(4):315–7
Anthropology and psychiatry––an alternative approach. Littlewood R. **Br J Med Psychol** 1980 Sep;53(3):213–25
Causes and logic in epidemiological psychiatry 4. Further comments on the vulnerability model. Brown GW, et al. **Br J Psychiatry** 1980 Dec;137:584–5
Causes and logic in epidemiological psychiatry. 3. Causal modeling with contingency tables. Cooke DJ. **Br J Psychiatry** 1980 Dec;137:582–4
Causes and logic in epidemiological psychiatry. 1. The notion of causality. Harré R. **Br J Psychiatry** 1980 Dec;137:578–9
Causes and logic in epidemiological psychiatry. 2. Causal models and logical inference. Tennant N, et al. **Br J Psychiatry** 1980 Dec;137:579–82
Psychiatric research in medical prespective. Shepherd M. **Br Med J [Clin Res]** 1981 Mar 21;282(6268):961–3
Confidentiality and automated health data systems. The position of the Canadian Psychiatric Association. Lipscomb CF. **Can J Psychiatry** 1980 Nov;25(7):595–7
To be or not to be a psychiatric chief resident. Factors in selection. Lowy FH, et al. **Can J Psychiatry** 1980 Mar; 25(2):121–7
The Canadian Medical Association Code of Ethics annotated for psychiatrists. The position of the Canadian Psychiatric Association. Mellor C. **Can J Psychiatry** 1980 Aug; 25(5):432–8
Consultation–liaison psychiatry in a chronic care hospital: the consultation function. Wasylenki D, et al. **Can J Psychiatry** 1981 Mar;26(2):96–100
Some conceptual problems in biological psychiatry. Rifkin A. **Compr Psychiatry** 1980 Sep–Oct;21(5):346–51
Women psychiatrists in Connecticut. Martin KH, et al. **Conn Med** 1981 Jul;45(7):437–9
Liaison psychiatry as therapy. Greenhill MH. **Curr Psychiatr Ther** 1980;19:123–8
Continuity of care. A patient–centered model. Bernstein SB, et al. **Gen Hosp Psychiatry** 1981 Mar;3(1):59–63
A review of systems approaches to consultation–liaison psychiatry. The need for synthesis. Mohl PC. **Gen Hosp Psychiatry** 1981 Jun;3(2):103–10
Psychiatric role conflicts in the neighborhood health setting. Morrison AP. **Gen Hosp Psychiatry** 1981 Mar;3(1):52–8
Psychiatric consultation–liaison service: patients, requests, and functions. Ries RK, et al. **Gen Hosp Psychiatry** 1980 Sep;2(3):204–12
Psychiatrists, confidentiality, & insurance claims. Rosner BL. **Hastings Cent Rep** 1980 Dec;10(6):5–7
The medical model and psychiatry's tasks. Adler DA. **Hosp Community Psychiatry** 1981 Jun;32(6):387–92
Psychiatry in the political arena. Armstrong B. **Hosp Community Psychiatry** 1980 Sep;31(9):606–9
The mental health lobby and how it grew. With emphasis on psychiatry's role, as viewed by psychiatrists, politicians, lobbyists, and other notables. Armstrong B. **Hosp Community Psychiatry** 1980 Sep;31(9):599–605
Withholding of information by psychiatric inpatients. Sacks MH, et al. **Hosp Community Psychiatry** 1981 Jun; 32(6):424–5
A study of the causes of conflict between psychiatrists and psychologists. Schindler FE, et al. **Hosp Community Psychiatry** 1981 Apr;32(4):263–6
Symposium: dialectics in the discourse of law and psychiatry. University of Wisconsin, Madison, May 23–24, 1980. **Int J Law Psychiatry** 1980;3(3):211–347
Law and psychiatry as political symbolism. Edelman M. **Int J Law Psychiatry** 1980;3(3):235–44
Law, psychiatry and the reproduction of capitalist ideology: a critical view. Langman L. **Int J Law Psychiatry** 1980; 3(3):245–56
Agent and patient in psychiatry. Toulmin S. **Int J Law Psychiatry** 1980;3(3):267–78
The dialectics of rationality: the historicity of norms in psychiatry and the law. Wartofsky MW. **Int J Law Psychiatry** 1980;3(3):279–93
Psychiatry and the political question. Weisstub DN. **Int J Law Psychiatry** 1980;3(3):219–33
Some research and policy implications of 'dialectics in the discourse of law and psychiatry'. Wexler DB. **Int J Law Psychiatry** 1980;3(3):343–7
Validation of a scale for measuring attitudes toward psychiatry in medicine. Klos DM, et al. **Int J Psychiatry Med** 1981–82;11(2):161–72
The liaison psychiatrist in kidney transplantation. Knight JA. **Int J Psychiatry Med** 1980–81;10(3):221–33
Psychiatric referral and medical history of outpatients in a general hospital. Zitman FG, et al. **Int J Psychiatry Med** 1980–81;10(4):347–54
Patients' rights raises questions for psychology, psychiatry and law. Ziegenfuss JT Jr. **Int J Soc Psychiatry** 1981; 27(1):37–42
Women psychiatrists triumph at American Psychiatric Association. Braude M. **J Am Med Wom Assoc** 1981 Jan; 36(1):19–20
Patient characteristics and clinician attitudes influencing the prescribing of benzodiazepines. Heiman EM, et al. **J Clin Psychiatry** 1981 Feb;42(2):71–3
Post–traumatic psychiatric manifestations and neuropsychiatrists [editorial] Pitts FN Jr. **J Clin Psychiatry** 1981 Mar;42(3):93
A prospective study of 60 consecutive psychiatric consultations in a family medicine clinic. Katon W, et al. **J Fam Pract** 1981 Jul;13(1):47–56
Terrorism––what can the psychiatrist do? Daly LN. **J Forensic Sci** 1981 Jan;26(1):116–22
Psychiatrists––physician first, specialists second. St. Clair HR. **J Ky Med Assoc** 1981 May;79(5):275–9
The Four Horsemen of amateur psychiatry, class of '46 [interview by William H. McDonald] Brown CL. **J Med Assoc State Ala** 1980 Nov;50(5):8–10, 15
Bio–technology in neuropsychiatry. Pond DA. **J Med Eng Technol** 1980 Sep;4(5):223–4
Requesting previous psychiatric records. Do they come and are they worth obtaining? Mitchell JE, et al. **J Nerv Ment Dis** 1981 Jun;169(6):364–6
Psychiatry and Medicine: 1980. Allen JR. **J Okla State Med Assoc** 1981 Feb;74(2):35–42
Psychiatry and general practice: results of a survey of Avon general practitioners. Whitfield MJ, et al. **J R Coll Gen Pract** 1980 Nov;30(220):682–6
Concept of disease in psychiatry [letter] Hemmings G. **J R Soc Med** 1980 Feb;73(2):154
Psychiatric research [editorial] Rawnsley K. **J R Soc Med** 1980 Nov;73(11):768–9
The concept of disease in psychiatry. Wing JK. **J R Soc Med** 1979 May;72(5):316–21
Concept of disease in psychiatry [letter] Wing JK. **J R Soc Med** 1980 Jan;73(1):77
'Overdose––will psychiatrist please see? [editorial] **Lancet** 1981 Jan 24;1(8213):195–6
Management of patients after self–poisoning [letter] Gardner R. **Lancet** 1981 Mar 28;1(8222):725
Access to psychiatric case–records [letter] Keddie KM. **Lancet** 1980 Nov 22;2(8204):1143
'Overdose–will psychiatrist please see?' [letter] Lear TE. **Lancet** 1981 Feb 21;1(8217):435
Anatoly Koryagin [letter] Low–Beer GA. **Lancet** 1981 Jun 27;1(8235):1426
Abuse of psychiatry for political purposes [letter] Wynn A. **Lancet** 1981 Feb 14;1(8216):382
In defence of psychiatrists. Ellard J. **Med J Aust** 1980 Dec 27;2(13):699–701
Psychologists and psychiatrists [letter] Wiltshire EB. **Med J Aust** 1981 Apr 4;1(7):380
'Hands on' computer tabulation of a cumulative case register. Grad de Alarcon J, et al. **Methods Inf Med** 1981 Apr; 20(2):67–75
Psychiatrists seek colleagues' aid in maintaining privacy of records. Sargent DA. **Mich Med** 1981 Jun;80(17):302
Psychiatrists, state hospitals, and civil rights. Many SE. **NY State J Med** 1980 Nov;80(12):1873–7
The psychiatrist and the chronic pain patient: 172 anecdotes. Large RG. **Pain** 1980 Oct;9(2):253–63
Psychiatry and the occult. Edwards JG, et al. **Practitioner** 1981 Jan;225(1351):83–8
National health insurance aspects of the psychiatric scene in Great Britain. Roth M. **Psychiatr Q** 1981 Spring; 53(1):3–20
The role of the consultant in the case conference: some neglected aspects. Selzer MA. **Psychiatry** 1981 Feb; 44(1):60–8
Psychoanalysis and academic psychiatry––bridges. Wallerstein RS. **Psychoanal Study Child** 1980;35:419–48
Neuropsychopharmacology research in psychiatry at Yale University. Bowers M Jr, et al. **Psychopharmacol Bull** 1981 Apr;17(2):17–39
Evaluation of a training program in using the research diagnostic criteria [proceedings] Rifkin A, et al. **Psychopharmacol Bull** 1981 Jan;17(1):135–6
Daytime effects of L–tryptophan [proceedings] Spinweber CL. **Psychopharmacol Bull** 1981 Jan;17(1):81–2
Managing alcoholic medical patients: the psychiatrist's role. Alexopoulos GS, et al. **Psychosomatics** 1981 Jul; 22(7):598–605
Patients at risk on a cardiac rehabilitation unit: implications for a liaison model. Daggett LR. **Psychosomatics** 1980 Dec; 21(12):1007, 1010–4
'Closing the gap between medicine and psychiatry'––revisited. Dorfman W. **Psychosomatics** 1981 Feb;22(2):143, 146–50
Improving the effectiveness of psychiatric consultation. Popkin MK, et al. **Psychosomatics** 1981 Jul;22(7):559–63
Expectation of death: case reports with implications for medical and psychiatric care. Jensen GD. **Psychother Psychosom** 1980;33(4):198–204
Phenomenological access to the consciousness in psychiatry, I. Between the empirical and the transcendental. Callieri B. **Riv Biol** 1980;73(2):179–90 **(Eng, Ita)**
Planning for a schizophrenia research program: a prototype. Grinker RR Sr. **Schizophr Bull** 1981;7(1):181–95
PA and MD––some parallels with clinical psychology and psychiatry. Stein HF, et al. **Soc Sci Med** 1981 Feb; 15E(1):83–93
Psychiatrists' preferred patients. Pressley LC. **South Med J** 1980 Nov;73(11):1467–9
[Diagnostic approach in outpatient and institutional psychiatric care (author's transl)] Janík A. **Cesk Psychiatr** 1981 Apr;77(2):90–4 (Eng. Abstr.) **(Cze)**
[Psychiatric practice] Nielsen J. **Ugeskr Laeger** 1980 Jun 30; 142(27):1771–8 (Eng. Abstr.) **(Dan)**
[Psychiatry–a science or a handicraft?] Reisby N. **Ugeskr Laeger** 1980 Aug 11;142(33):2150–5 **(Dan)**
[Société Médico–Psychologique. Membership list] **Ann Med Psychol (Paris)** 1981;139(1):29–62 **(Fre)**
[The liaison psychiatrist in the general hospital] Alby JM, et al. **Ann Med Psychol (Paris)** 1980 Jun;138(6):754–63 **(Fre)**
[Toward a defensive practice of psychiatry] Bourgeois M, et al. **Ann Med Psychol (Paris)** 1980 May;138(5):566–74 **(Fre)**
[Defensive psychiatry and repressive psychiatry] Bourgeois M, et al. **Ann Med Psychol (Paris)** 1980;138(8):954–66 **(Fre)**
[The contribution of psychiatry to the problem of beliefs] Fusswerk–Fursay J. **Ann Med Psychol (Paris)** 1980 Dec; 138(10):1246–53 (Eng. Abstr.) **(Fre)**
[Recent developments of psychiatric policy in Spain] Lopez–Ibor Alino JJ. **Ann Med Psychol (Paris)** 1980 Jun; 138(6):716–21 **(Fre)**
[Normality, normativity and marginality] Mialet JP. **Ann Med Psychol (Paris)** 1980 Nov;138(9):1079–93 (Eng. Abstr.) **(Fre)**
[Contradictions of a psychiatric unit] Richard–Mercier A, et al. **Ann Med Psychol (Paris)** 1980 May;138(5):517–28 **(Fre)**
[The rights of mental patients. The physician's viewpoint] Schneider PB. **Rev Med Suisse Romande** 1980 Aug; 100(8):693–700 **(Fre)**
[Ethical aspects and culture of psychiatry in Africa] Diop B, et al. **Soc Sci Med [Med Anthropol]** 1979 Sep;13 B(3):183–90 (Eng. Abstr.) **(Fre)**
[Psychiatry, a medical specialty] Fontaine JG. **Union Med Can** 1980 May;109(5):751–5 (Eng. Abstr.) **(Fre)**
[Medical ethics problems in psychiatry] Kind H. **Bull Schweiz Akad Med Wiss** 1980 Nov;36(4–6):367–71 (Eng. Abstr.) **(Ger)**
[Psychiatry and ethics (author's transl)] Bron B. **Fortschr Neurol Psychiatr** 1981 Jun;49(6):246–56 (Eng. Abstr.) **(Ger)**
[Continuing Education Course of the Swiss Society for Psychiatry. Biological aspects of psychiatry. Closing remarks] Angst J. **Schweiz Arch Neurol Neurochir Psychiatr** 1979; 125(2):315–8 **(Ger)**
[Suicide from the viewpoint of the clinical psychiatrist] Böhme K. **ZFA (Stuttgart)** 1980 Mar;56(8):524–8 **(Ger)**
[Defamation of psychiatry hurts psychiatric patients] Heinrich K. **ZFA (Stuttgart)** 1980 Sep 30;56(27):1738–9 **(Ger)**
[Analysis on the medical psychology of Campailla and Rosati (author's transl)] Disertori B, et al. **Ann Osp Maria Vittoria Torino** 1979 Jan–Jun;22(1–6):92–8 **(Ita)**
[Psychological and psychiatric problems in heart surgery patients. 2 comparison studies] Borsetti G, et al. **Minerva Psichiatr** 1979 Jan–Mar;20(1):37–42 **(Ita)**
[Notes for ethological studies in the field of psychiatry] Longoni R. **Minerva Psichiatr** 1981 Apr–Jun;22(2):57–61 **(Ita)**
[Proceedings of the 76th Congress of the Japanese Society of Psychiatric and Neurology. Abstracts]

Seishin Shinkeigaku Zasshi 1980;82(9):507–82 **(Jpn)**
[Biological psychiatry. Report of the Continuing Education Course of the Swiss Society for Psychiatry in Zurich, May 10–11, 1979] **Schweiz Arch Neurol Neurochir Psychiatr** 1979;125(2):187–318 **(Mul)**
[Relations between physicians and psychologists working in psychiatric institutions] Bilikiewicz A, et al. **Psychiatr Pol** 1980 Sep–Oct;14(5):527–32 (Eng. Abstr.) **(Pol)**
[Dr. Magorzata Dominik (1941–1979)] Drozdowski P, et al. **Psychiatr Pol** 1980 Sep–Oct;14(5):549–54 **(Pol)**
[Polish psychiatric literature in 1979] Gasińska M. **Psychiatr Pol** 1981 Jan–Feb;15(1):99–111 **(Pol)**
[On the eve of the 26th Party Congress] **Zh Nevropatol Psikhiatr** 1981;81(2):1–6 **(Rus)**
[Definition of the concept of 'neurosis'] Ibor JL. **Zh Nevropatol Psikhiatr** 1981;81(3):450–4 **(Rus)**
[Refining the definition of dissimulation] Kondrat'ev FV, et al. **Zh Nevropatol Psikhiatr** 1980;80(8):1208–11 (Eng. Abstr.) **(Rus)**
[The psychiatrist and contemporary man] Ballbé R. **Actas Luso Esp Neurol Psiquiatr** 1981 Mar–Apr;9(2):89–102 **(Spa)**
[Psychiatric significance of holistic medicine: a psychosomatic (and psychotherapeutic) department. II. The 3-way flow: clinician–teacher–researcher] Lobo A, et al. **Actas Luso Esp Neurol Psiquiatr** 1980 Nov–Dec; 8(6):443–70 (Eng. Abstr.) **(Spa)**
[Dedication of the Library and Department of Computerized Axial Tomography at the Institute of Psychiatric Research] López Ibor JJ. **Actas Luso Esp Neurol Psiquiatr** 1981 Jan–Feb;9(1):3–8 **(Spa)**
[Consultation psychiatry – multifaceted and developing] **Lakartidningen** 1980 Sep 3;77(36):2985–3003 **(Swe)**

ECONOMICS

Psychiatry and psychotherapy: financial implications [letter] O'Brien JV. **Can J Psychiatry** 1980 Nov;25(7):609–10
Private psychiatric participation in Medicaid. Practitioner ebb and flow. Schwartz AH, et al. **NY State J Med** 1981 Jan;81(1):42–4

EDUCATION

Putting psychic studies to the test [letter] **Am J Psychiatry** 1981 Mar;138(3):395–7
Priorities in psychiatric residency training. Bowden CL, et al. **Am J Psychiatry** 1980 Oct;137(10):1243–6
Psychiatric residents' attitudes toward teaching. Callen KE, et al. **Am J Psychiatry** 1980 Sep;137(9):1104–6
Training in brief therapy: a survey of psychiatric residency programs. Clarkin JF, et al. **Am J Psychiatry** 1980 Aug; 137(8):978–9
The internship year in psychiatry: a status report. Crowder MK, et al. **Am J Psychiatry** 1981 Jul;138(7):964–6
Should psychic studies be included in psychiatric education? An opinion survey. Dean SR, et al. **Am J Psychiatry** 1980 Oct;137(10):1247–9
Impact of the outpatient clerkship on medical students. Eagle PF, et al. **Am J Psychiatry** 1980 Dec;137(12):1599–602
Personality, interests, and emotional disturbance in psychiatric residents. Garfinkel PE, et al. **Am J Psychiatry** 1981 Jan;138(1):51–5
The psychiatry internship and the development of professional identity. Gilmore MM, et al. **Am J Psychiatry** 1980 Oct;137(10):1206–10
From supervisee to supervisor: an unexplored aspect of the psychiatrist's education. Granet RB, et al. **Am J Psychiatry** 1980 Nov;137(11):1443–6
Family therapy training for psychiatric residents. Harbin HT. **Am J Psychiatry** 1980 Dec;137(12):1595–8
Sex and the boards. Jacobs MH, et al. **Am J Psychiatry** 1980 Oct;137(10):1226–8
Presidential address: Today's teachers and tomorrow's psychiatrists. Langsley DG. **Am J Psychiatry** 1981 Aug; 138(8):1013–6
The omnipresence of culture [letter] Moffic HS. **Am J Psychiatry** 1980 Dec;137(12):1628–9
Psychoanalytic concepts and inpatient settings [letter] Moldawsky R. **Am J Psychiatry** 1980 Nov;137(11):1473–4
The fate of the clinical interview: an observational study. Muslin HL, et al. **Am J Psychiatry** 1981 Jun;138(6):822–5
On learning psychotherapy. Nemiah JC. **Am J Psychiatry** 1981 Feb;138(2):216–7
Interpersonal factors in the psychiatry clerkship: new findings. Orleans CS, et al. **Am J Psychiatry** 1980 Sep; 137(9):1101–3
The value of the internship in psychiatric training [letter] Parry BL. **Am J Psychiatry** 1980 Dec;137(12):1622
Learning dynamic psychotherapy in psychiatric training. Shulman L. **Am J Psychiatry** 1981 Feb;138(2):167–71
Testing psychiatric knowledge with in-house examinations. Strauss GD, et al. **Am J Psychiatry** 1981 May;138(5):636–41
Career choice and psychiatry [letter] Voineskos G. **Am J Psychiatry** 1980 Dec;137(12):1624–5
Accuracy of DSM-III diagnoses following a training program. Webb LJ, et al. **Am J Psychiatry** 1981 Mar; 138(3):376–8
Teaching about transference: a videotape introduction. Corradi RB, et al. **Am J Psychother** 1980 Oct;34(4):564–71
Supervision and self-esteem in psychiatric teaching. Muslin H, et al. **Am J Psychother** 1980 Oct;34(4):545–55
Clinical judgement and clinical training: a psychiatrist's response [editorial] Watson JP. **Br J Med Psychol** 1980 Sep;53(3):198–9
Introducing a course in psychiatry within the environment of a psychiatric hospital. Chynoweth R, et al. **Br J Psychiatry** 1980 Aug;137:163–9
Overseas trainees in psychiatry [editorial] Leff J. **Br J Psychiatry** 1980 Sep;137:288–9
Teaching of psychiatric ethics [letter] Thompson IE. **Br J Psychiatry** 1980 Sep;137:302
Is psychiatric training improving? Brook P. **Br Med J** 1980 Sep 20;281(6243):787–8
General professional training in psychiatry in the South-west Thames Region. Stead JS, et al. **Br Med J** 1980 Oct 11; 281(6246):979–81
Psychological testing and the psychiatric resident. Smith WH, et al. **Bull Menninger Clin** 1980 Nov;44(6):647–52
The teaching of formulation. Facts and deficiencies. Ben-Aron M, et al. **Can J Psychiatry** 1980 Mar;25(2):163–6
Continuing medical education: viewpoints of Canadian psychiatric residents. Ivey J, et al. **Can J Psychiatry** 1981 Mar;26(2):105–7
Psychiatry clerkship: a review of the concept. Links PS. **Can J Psychiatry** 1981 Apr;26(3):145–50 (36 ref.)
Intellectuality and emotionality in psychiatric residents. Paris J. **Can J Psychiatry** 1981 Apr;26(3):159–61
The resident and the borderline in-patient: a supervisor's perspective. Sadavoy J, et al. **Can J Psychiatry** 1981 Apr; 26(3):155–8
The completion of training in psychiatry: a transitional phase. Smith V. **Can J Psychiatry** 1981 Mar;26(2):101–4
Gender issues in psychiatric supervision. Scher M. **Compr Psychiatry** 1981 Mar–Apr;22(2):179–83
Role satisfaction among psychiatric residents. Skodol AE, et al. **Compr Psychiatry** 1981 Mar–Apr;22(2):174–8
Family therapy training in selected general psychiatry residency programs. Sugarman S. **Fam Process** 1981 Jun; 20(2):147–54
Training outcome in liaison psychiatry. Literature review and methodological proposals. Cohen-Cole SA. **Gen Hosp Psychiatry** 1980 Dec;2(4):282–8 (41 ref.)
The medication seminar and primary care education. Gallagher RM 3d, et al. **Gen Hosp Psychiatry** 1981 Mar; 3(1):16–23
Psychiatry clerkship success: skills and styles. Goodstein RK. **Gen Hosp Psychiatry** 1980 Sep;2(3):213–8
A resident's rotation in consultation psychiatry. A maturational experience. Granet RB, et al. **Gen Hosp Psychiatry** 1980 Dec;2(4):306–9
When psychiatric residents treat medical students. Passage through idealization and overidentification. Kay J. **Gen Hosp Psychiatry** 1981 Jun;3(2):89–94
Adaptation of residents to consultation-liaison psychiatry. II. Working with the nonpsychiatric staff. Perry S, et al. **Gen Hosp Psychiatry** 1981 Jun;3(2):149–56
Adaptation of residents to consultation-liaison psychiatry. I. Working with the physically ill. Perry S, et al. **Gen Hosp Psychiatry** 1981 Jun;3(2):141–7
Supervision in liaison and consultation psychiatry. Solomon S, et al. **Gen Hosp Psychiatry** 1980 Dec;2(4):294–9
A liaison fellowship on a hemodialysis unit. A self-funded position. Strain JJ, et al. **Gen Hosp Psychiatry** 1981 Mar; 3(1):10–5
Ethics rounds: a model for teaching ethics in the psychiatric setting. Appelbaum PS, et al. **Hosp Community Psychiatry** 1981 Aug;32(8):555–60
Advantages of providing mental retardation training to first-year residents. Mansheim P. **Hosp Community Psychiatry** 1981 May;32(5):347–8
Training psychiatric residents in chronic care. White HS, et al. **Hosp Community Psychiatry** 1981 May;32(5):339–43
Experiences in teaching psychodynamic orientation. Shamasundar C. **Int J Soc Psychiatry** 1981 Summer; 27(2):124–8
The use of the countertransference in psychotherapy supervision. Hunt W. **J Am Acad Psychoanal** 1981 Jul; 9(3):361–73
The Oral Board Examination: a call for its demise. Gardos G. **J Clin Psychiatry** 1980 Dec;41(12 Pt 1):422–4
The Oral Board Examination: the real bottom line. St. Clair HR. **J Clin Psychiatry** 1980 Dec;41(12 Pt 1):425–6
Comparative evaluation of a revised clerkship in basic clinical psychiatry. Bleier HR, et al. **J Med Educ** 1981 Feb; 56(2):145–7
Psychiatric residency training directors' attitudes toward the National Resident Matching Program. Crowder MK, et al. **J Med Educ** 1981 Mar;56(3):194–5
The black autobiography as a teaching tool in psychiatry. Griffith EE. **J Med Educ** 1981 May;56(5):404–8
The independent psychiatry project: a model exercise in student learning. Kay J. **J Med Educ** 1981 Apr;56(4):347–51
Evaluating a clinical psychiatry course using process and outcome measures. Larson DB, et al. **J Med Educ** 1980 Dec;55(12):1006–12
Clinical teaching of care for terminally ill in a psychiatry clerkship. Nelson WA. **J Med Educ** 1980 Jul;55(7):610–5
A psychiatry rotation in Alaska as preparation for an academic career. Reifler B, et al. **J Med Educ** 1980 Oct; 55(10):880–2
Teaching ethics in the psychiatry clerkship. Salladay SA. **J Med Educ** 1981 Mar;56(3):204–6
An experience with patient role-playing in psychiatric education. Siris SG, et al. **J Med Educ** 1980 Sep;55(9):797–9
Motivating the student in the psychiatry clerkship. Spiegel DA. **J Med Educ** 1981 Jul;56(7):593–600
A distant man: an examiner for the American Board of Psychiatry and Neurology. Lett CR. **J Natl Med Assoc** 1981 Aug;73(8):763–6, 770
Experience desirable for the general practice trainee occupying a senior house officer post in psychiatry. Liaison Committee of the Royal College of Psychiatrists and the Royal College of General Practitioners. **J R Coll Gen Pract** 1980 Oct;30(219):625–7
Postgraduate psychiatric training. The Royal College of Psychiatrists survey of consultants in general psychiatry appointments in 1975–1978. Brook CP. **Med Educ** 1981 Sep; 15(5):335–9
An appraisal of methods of evaluating training in psychiatry. Hunt DD, et al. **Med Educ** 1981 Sep;15(5):332–4
Performance correlates in a postgraduate psychiatric examination. Mellsop G. **Med Educ** 1981 May;15(3):167–70
An alternative model for the psychiatric clerkship. Yano B, et al. **Med Educ** 1981 Mar;15(2):116–21
Psychological medicine in the under-graduate medical curriculum. Deva MP. **Med J Malaysia** 1980 Mar; 34(3):285–8
The teaching of clinical skills at a postgraduate hospital. Creed F, et al. **Psychol Med** 1981 May;11(2):391–9
The biopsychosocial model in education: discussion. Eaton JS Jr. **Psychosom Med** 1980;42(1 Suppl):131–3
The biopsychosocial model in education: discussion. Lawrence R. **Psychosom Med** 1980;42(1 Suppl):137–9
On the teaching of psychiatry to medical students: does it have to get worse before it gets better? Romano J. **Psychosom Med** 1980;42(1 Suppl):103–11
The biopsychosocial model in education: discussion. Sadler HH. **Psychosom Med** 1980;42(1 Suppl):134–6
An interpersonal model for teaching psychiatry to medical students. Waring EM. **Psychosomatics** 1980 Dec; 21(12):998–9, 1003–5
[Research courses in psychiatry] Rosenberg R, et al. **Ugeskr Laeger** 1980 Aug 11;142(33):2160–2 (Eng. Abstr.) **(Dan)**
[Teaching of medical psychology and psychiatry to medical students of Laval University in Quebec (author's transl)] Cazejust T. **Neuropsychiatr Enfance Adolesc** 1980 Jun; 28(6):265–70 **(Fre)**
[Physician training in handling psychological, psychosomatic, and mental health problems] Volterra V. **Minerva Psichiatr** 1979 Jan–Mar;20(1):1–2 **(Ita)**
[Postgraduate education in psychiatry] Gøtestam KG. **Tidsskr Nor Laegeforen** 1980 Sept 20;100(26):1559–60 (Eng. Abstr.) **(Nor)**
[Training therapy for psychiatry residents (author's transl)] D'Andrea FF. **AMB** 1980 Jan;26(1):17–8 (Eng. Abstr.) **(Por)**
[Proposal of a model for the evaluation of priorities in drawing up the medical curriculum in the area of medical psychology and psychiatry] Rodrigues CR, et al. **Educ Med Salud** 1980;14(4):371–84 (Eng. Abstr.) **(Por)**
[Certain methodologic problems in teaching general psychopathology in a medical school psychiatry course] Noshchenko GV. **Zh Nevropatol Psikhiatr** 1980; 80(9):1403–6 **(Rus)**
[Organization of advanced psychiatric training in Russia] Shereshevskii AM. **Zh Nevropatol Psikhiatr** 1980; 80(8):1230–4 **(Rus)**
[Training of psychiatrists in the Department of Psychiatry of the Central Institute for Advanced Medical Education] Tiganov AS. **Zh Nevropatol Psikhiatr** 1980;80(12):1863–4 **(Rus)**
[Educational function of the psychiatric service for interdepartmental liaison and consultation] Vázquez Barquero JL. **Actas Luso Esp Neurol Psiquiatr** 1980 Sep–Oct;8(5):383–92 (Eng. Abstr.) **(Spa)**

HISTORY

A visit to Dr. Jung. Smythies JR. **Ala J Med Sci** 1981 Jan; 18(1):93–4
Holistic-medical foundations of American psychiatry: a bicentennial. Lipowski ZJ. **Am J Psychiatry** 1981 Jul; 138(7):888–95
Sir John Charles Bucknill 1817–1897: our founder. Langley GE. **Br J Psychiatry** 1980 Aug;137:105–10
The historical background of psychiatry in Lebanon. Katchadourian H. **Bull Hist Med** 1980 Winter;54(4):544–53
Briquet's concept of hysteria: an historical perspective. Mai FM, et al. **Can J Psychiatry** 1981 Feb;26(1):57–63
History and present status of modern psychiatry in China. Xia ZY, et al. **Chin Med J [Engl]** 1981 May;94(5):277–82
'Roy R. Grinker, Sr.' Some biographical notes. Weinberg J. **J Am Acad Psychoanal** 1980 Jul;8(3):441–9
Pavlov and psychiatry. Dews PB. **J Hist Behav Sci** 1981 Apr;17(2):246–50
Freud's confrontation with the telic mind. Rychlak JF. **J Hist Behav Sci** 1981 Apr;17(2):176–83
The founding of the Archives of Neurology and Psychiatry; or, what was wrong with the Journal of Nervous and Mental Disease? Burnham JC. **J Hist Med Allied Sci** 1981 Jul;36(3):310–24
A psychiatric perspective of medical history. Menninger WW. **J Okla State Med Assoc** 1980 Nov;73(11):386–90
Henry Mills Hurd: the first superintendent of the Johns Hopkins Hospital and the first professor of psychiatry.

Harvey AM. **Johns Hopkins Med J** 1981 Mar;148(3):135–48
Rural psychiatry on the nineteenth-century frontier: the career of Jacob Bowers. Wells LA. **Perspect Biol Med** 1981 Winter;24(2):270–83
The social structure of the medical model of madness and the physician's role. Fernandez G. **Psychiatry** 1981 Aug; 44(3):241–52
Michel Foucault: the anti-history of psychiatry. Sedgwick P. **Psychol Med** 1981 May;11(2):235–48
John Carswell: a pioneer in Scottish psychiatry. Sclare AB. **Scott Med J** 1981 Jul;26(3):265–70
Development of the South Dakota Psychiatric Association. Bean DW, et al. **SD J Med** 1981 May;34(5):53–5
Twentieth century psychiatry—living history in the life of Kenneth E. Appel, M.D. 1896—1979. Blain D. **Trans Stud Coll Physicians Phila** 1980 Jun;2(2):144–54
[First four head physicians of the Prague Mental Institution I. Jan Theobald Held, M. D. (author's transl)] Dobíšek K. **Cesk Psychiatr** 1980 Aug;76(4):270–5 (Eng. Abstr.) **(Cze)**
[Jules Cotard and his syndrome a 100 years later] Bourgeois M. **Ann Med Psychol (Paris)** 1980 Dec;138(10):1165–80 **(Fre)**
[Towards the end of Kraepelin era?] Marchais P. **Ann Med Psychol (Paris)** 1980 Nov;138(9):1061–78 (Eng. Abstr.) **(Fre)**
[Psychiatry and psychosomatics in Arabic medicine] Moussaoui D, et al. **Ann Med Psychol (Paris)** 1980; 138(8):967–74 **(Fre)**
[Nosology and physiopathology in psychiatry—current aspects of Kraepelin's views on pathology] Heimann H. **Confin Psychiatr** 1980;23(4):262–74 (Eng. Abstr.) **(Ger)**
[Origin and development of suicide prevention in German-language psychiatry (author's transl)] Kulessa C, et al. **Fortschr Neurol Psychiatr** 1980 Dec;48(12):629–42 (Eng. Abstr.) **(Ger)**
[Goals and means of psychiatric research (Emil Kraepelin)] Hippius H. **MMW** 1981 May 8;123(19):770–1 **(Ger)**
[The Münchner Klinik and Psychiatric Diagnosis (author's transl)] von Cranach M. **MMW** 1981 May 8;123(19):777–80 (Eng. Abstr.) **(Ger)**
[The schizo-affective borderland and the 19th century concept of primary and secondary psychic disturbances (author's transl)] Janzarik W. **Nervenarzt** 1980 May; 51(5):272–9 **(Ger)**
[Continuing Education Course of the Swiss Society for Psychiatry. Biological aspects of psychiatry. Introduction] Miéville C. **Schweiz Arch Neurol Neurochir Psychiatr** 1979; 125(2):187–91 (Eng. Abstr.) **(Ger, Fre)**
[Psychiatry under fascism: the outcome of historical analysis] Späte HF, et al. **Z Gesamte Hyg** 1980;26(8):553–60 (29 ref.) (Eng. Abstr.) **(Ger)**
[The psychodynamic illness concept in the romantic era – test case for the use of Kuhn's paradigm concept in human knowledge] Trenckmann U, et al. **Z Psychol** 1980; 188(3):331–9 (Eng. Abstr.) **(Ger)**
[The problem of psychiatry as an independent specialty in Hungary] Füredi J, et al. **Orv Hetil** 1980 May 11; 121(19):1115–20 **(Hun)**
[Antoni Kępinski — founder of axiological psychiatry] Jakubik A. **Psychiatr Pol** 1980 Jul-Aug;14(4):403–7 **(Pol)**
[A distinguished psychiatrist at the confluence of music and medicine: Dr. Ştefan S. Braşcu (1895–1965)] Sărmăşanu-Cortez ML, et al. **Rev Med Interna [Neurol Psihiatr]** 1980 Apr-Jun; 24(2):143–8 **(Rum)**
[Dr. Hermann Simon, the Gütersloh system and the active treatment of mental disease] Sărmăşanu-Cortez ML, et al. **Rev Med Interna [Neurol Psihiatr]** 1980 Oct-Dec; 25(4):295–302 **(Rum)**
[80th anniversary of the 'Zhurnal Nevropatologii i Psikhiatrii im. S. S. Korsakov'] **Zh Nevropatol Psikhiatr** 1981;81(1):3–5 **(Rus)**
[A page from the history of the 1st Conference of the Russian Union of Psychiatrists and Neuropathologists] Dionesov SM. **Zh Nevropatol Psikhiatr** 1981;(5):744–5 (Eng. Abstr.) **(Rus)**
[Important dates in the history of psychiatry for 1981] Rokhlin LL, et al. **Zh Nevropatol Psikhiatr** 1981; 81(1):122–7 **(Rus)**
[The psychiatric ideas of Jose Ramón Elguero, M.D., physician at the 'Casa de Locos' (the House of Mads) in Santiago, 1862) (author's transl)] Costa-Casaretto C. **Rev Med Chil** 1980 Jun;108(6):559–67 (Eng. Abstr.) **(Spa)**
[Psychiatric care in Chile during the last quarter of the nineteenth century (author's transl)] Costa-Casaretto C. **Rev Med Chil** 1980 Jul;108(7):657–65 (Eng. Abstr.) **(Spa)**
[Neuropsychiatric teaching at the University of Chile, 1891–1906 (author's transl)] Costa-Casaretto C. **Rev Med Chil** 1980 Sep;108(9):855–62 (Eng. Abstr.) **(Spa)**
[Carlos Sazie M.D.: the first professor of neurology and the second one of psychiatry at the University of Chile (1881–1889) (author's transl)] Costa-Casaretto C. **Rev Med Chil** 1980 Aug;108(8):749–56 (Eng. Abstr.) **(Spa)**

MANPOWER

Documenting a shortage of psychiatrists: the repair shop model. Knesper DJ. **Am J Psychiatry** 1980 Nov; 137(11):1439–42
Psychiatry for the underdeveloped or underdeveloped psychiatry? D'Arrigo Busnello E. **Bull Pan Am Health Organ** 1980;14(3):224–8
Medical students' interest in and attitudes toward psychiatry. Ghadirian AM, et al. **J Med Educ** 1981 Apr;56(4):361–2
A political analysis of Minnesota psychiatrists and their methods of reimbursement. Beecher L. **Minn Med** 1981 Jun;64(6):347–51
Psychiatric recruitment: why they like us, but don't join us. Nielsen AC 3d. **Psychosomatics** 1981 Apr;22(4):343, 347–8

METHODS

Liaison psychiatry on a burn unit. Billowitz A, et al. **Gen Hosp Psychiatry** 1980 Dec;2(4):300–5
Symposium: Whither psychiatry in general practice? The Balint group approach. Balint E. **J R Soc Med** 1979 Jun; 72(6):469–71
Symposium: Whither psychiatry in general practice? An aspect of the use of the psychodynamic model. Brook A. **J R Soc Med** 1979 Jun;72(6):467–9
Symposium: Whither psychiatry in general practice? The opinion of a family doctor. Watts CA. **J R Soc Med** 1979 Jun;72(6):465–7
Recent developments concerning the AMDP System. AMDP Congress 1980. Baumann U, et al. **Pharmacopsychiatria** 1981 Mar;14(2):74–6
The ethics of human experimentation in psychiatry: toward a more informed consensus. Howell T, et al. **Psychiatry** 1981 May;44(2):113–32
[Psychiatric experience in and outside the hospital at the Fatebenefratelli Hospital in Milan] De Maio D, et al. **Ann Med Psychol (Paris)** 1980 Jun;138(6):693–700 **(Fre)**
[Nomothetic and idiographic methodology in psychiatry (author's transl)] Blankenburg W. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 128(1):13–20 **(Ger)**

STANDARDS

The oral psychiatry boards and the 'floating standard' [letter] Burch EA Jr. **Am J Psychiatry** 1981 Jan;138(1):122–3
Productivity of mental health professionals in a prepaid health plan. Craig TJ, et al. **Am J Psychiatry** 1981 Apr; 138(4):498–501
Questioning the board certification process [letter] Garrick ML. **Am J Psychiatry** 1980 Dec;137(12):1627
Examination success and opinions on American Board of Psychiatry and Neurology certification. Quick SK, et al. **Am J Psychiatry** 1981 Mar;138(3):340–4
The quandary of medical responsibility [letter] Wade L. **Am J Psychiatry** 1981 Jan;138(1):126
The legal restraints on psychiatric care. Feldman WS. **Leg Med** 1980;.221–7
The judge, the adversary posture, the rhetoric of generalization. Gutheil TG. **Man Med** 1980;5(2):92–6

TRENDS

Response to the presidential address. Freedman DX. **Am J Psychiatry** 1981 Aug;138(8):1017–20
Response to the presidential address. Langsley DG. **Am J Psychiatry** 1980 Aug;137(8):892–4
Changing patterns of psychiatry specialty certification in the English-speaking countries. Langsley DG. **Am J Psychiatry** 1981 Apr;138(4):493–7
Presidential address: Conceptual ambiguity and morality in modern psychiatry. Stone AA. **Am J Psychiatry** 1980 Aug; 137(8):887–91
An analysis of the movement to private psychiatric practice. Knesper DJ, et al. **Arch Gen Psychiatry** 1981 Aug; 38(8):943–9
Presidential address: Psychiatry, science and the seduction of Emma Bovary. James B. **Aust NZ J Psychiatry** 1980 Jun;14(2):101–7
Which science for psychiatry? The challenge of the behavioural therapies. Pilowsky I. **Aust NZ J Psychiatry** 1981 Mar;15(1):23–6
The future of psychiatry in America. Wintrob RM. **Aust NZ J Psychiatry** 1980 Sep;14(3):193–8
Past, present, and future. Wortis J. **Biol Psychiatry** 1980 Oct; 15(5):653–6
Philosophical problems in psychology and psychiatry. Bebbington PE. **Br J Med Psychol** 1981 Jun;54(Pt 2):93–8
Canadian psychiatry of the 80's: gateway or goal. Lipinski E. **Can J Psychiatry** 1981 Feb;26(1):3–12
Psychiatric serialism. Abroms GM. **Compr Psychiatry** 1981 Jul-Aug;22(4):372–8
Modifications in the psychopathologic definition of schizophrenia—alterations during the last two decades: expectations for the future. Berner P. **Compr Psychiatry** 1980 Nov-Dec;21(6):475–82
The history of recent developments in psychiatry. Freyhan FA. **Compr Psychiatry** 1980 Nov-Dec;21(6):402–10
Is psychiatry approaching a steady state? Lehmann HE. **Compr Psychiatry** 1980 Nov-Dec;21(6):444–9
Growth and inflation in psychiatry. van Praag HM. **Compr Psychiatry** 1981 Jan-Feb;22(1):114–23
Psychiatry and the American Psychiatric Association: past and future. Masserman JH. **Curr Psychiatr Ther** 1980; 19:3–25
Psychiatry in Egypt to-day (a personal view). Part II: Practice and theory. Rakhawy Y. **Egypt J Psychiatry** 1979 Apr;2(1):19–26
How appropriate is a 'medical model' in psychiatric practice? Claghorn JL, et al. **J Clin Psychiatry** 1980 Dec;41(12 Pt 2):3–5
Contempo '81. Psychiatry. Glass RM, et al. **JAMA** 1981 Jun 5;245(21):2218–20
The future of psychiatry in science and society. Blakemore C. **Psychol Med** 1981 Feb;11(1):27–37
Implications of a biopsychosocial model for research in psychiatry. Reiser MF. **Psychosom Med** 1980;42(1 Suppl):141–51
Hospital psychiatry: review and survey. Quattlebaum JT. **South Med J** 1980 Dec;73(12):1625–9
[CAre for mental health in the year 2000 (author's transl)] Janik A. **Cesk Psychiatr** 1981 Feb;77(1):5–10 (Eng. Abstr.) **(Cze)**
[Psychiatrist, it is later than you think] Houillon MP, et al. **Ann Med Psychol (Paris)** 1980 Jun;138(6):708–16 **(Fre)**
[Technical assistance in psychiatry in Senegal (author's transl)] Auguin R. **Med Trop (Mars)** 1981 May-Jun; 41(3):265–71 (Eng. Abstr.) **(Fre)**
[Psychiatry on the move] Bergener M. **MMW** 1980 Dec 12; 122(50):1797–8 **(Ger)**
[Psychiatry in the '80s] Bergener M. **MMW** 1980 Dec 19; 122(51–52):1839–42 **(Ger)**
[Orthodoxy and schism in psychiatry (author's transl)] Dietrich H. **MMW** 1981 May 8;123(19):775–6 (Eng. Abstr.) **(Ger)**
[Neuropsychiatry today (author's transl)] Scheid W. **MMW** 1981 Jun 19;123(25):1043–8 (Eng. Abstr.) **(Ger)**
[Realistic and unrealistic goals in psychiatry] Bleuler M. **Psychiatr Clin (Basel)** 1980;13(3–4):131–8 (Eng. Abstr.) **(Ger)**
[Some practical aspects of the 'new Italian psychiatry' demonstrated with Trieste as an example (author's transl)] Mann M. **Psychiatr Prax** 1981 May;8(2):76–81 (Eng. Abstr.) **(Ger)**
[Antipsychiatry] Glatzel J. **Ther Ggw** 1981 Feb;120(2):109–26 **(Ger)**
[Biological psychiatry] Lipcsey A. **Orv Hetil** 1980 Aug 17; 121(33):1990–2 **(Hun)**
[Sexology in Hungary and some psychiatric problems] Szilárd J, et al. **Orv Hetil** 1980 May 18;121(20):1225–6 **(Hun)**
[Psychiatry of the underdeveloped or underdeveloped psychiatry?] Busnello ED. **Bol Of Sanit Panam** 1980 Oct; 89(4):322–7 (Eng. Abstr.) **(Por)**
[The fall of the gods: psychiatry in crisis] Rey-Pías JM. **Rev Med Univ Navarra** 1979 Sep;23(3):71–6 **(Spa)**

PSYCHIATRY, COMMUNITY see **COMMUNITY PSYCHIATRY**

PSYCHIATRY, GERIATRIC see **GERIATRIC PSYCHIATRY**

PSYCHIATRY, MILITARY see **MILITARY PSYCHIATRY**

PSYCHIC ENERGIZERS see **ANTIDEPRESSIVE AGENTS**

PSYCHICAL RESEARCH see **PARAPSYCHOLOGY**

PSYCHOACOUSTICS

Frequency analysis in normal and hearing-impaired listeners. Jesteadt W. **Ann Otol Rhinol Laryngol [Suppl]** 1980 Sep-Oct;89(5 Pt 2 Suppl 74):88–95
A psychoacoustical study on time resolution of brief intensity changes in dichotic hearing. von Wedel H. **Arch Otorhinolaryngol** 1981;232(2):123–30
Heterophonic auditory adaptation to critical and noncritical bandwidths. Cole-Glass EB, et al. **Audiology** 1981 May-Jun;20(3):212–8
Binaural interactions in the short-latency evoked potentials of neonates. Hosford-Dunn H, et al. **Audiology** 1981; 20(5):394–408
Effects of infrasound on the rota-rod treadmill performance of rats. Yamamura K, et al. **Eur J Applied Physiol** 1980; 45(1):81–6
Interaural attenuation in the cat, measured with single fibre data. Caird D, et al. **Hear Res** 1980 Dec;3(4):257–63
Responses of primary auditory fibers to combined noise and tonal stimuli. Geisler CD, et al. **Hear Res** 1980 Dec; 3(4):317–34
Encoding of alternating acoustical signals in the medial geniculate body of guinea pigs. Schreiner C. **Hear Res** 1980 Dec;3(4):265–78
Masking of short probe sounds by tone bursts with a sweeping frequency. Smoorenburg GF, et al. **Hear Res** 1980 Dec;3(4):301–16
The time resolution of changes in short duration signal changes-psychoacoustical and electrophysiological studies. von Wedel H, et al. **Hear Res** 1980 Jun;2(3–4):387–95
Shifts in phonetic identification with changes in signal presentation level. Dorman MF, et al. **J Acoust Soc Am** 1981 May;69(5):1439–40
Aural distortion product fl + fh: growth rate and phase characteristics at different frequencies. Erdreich J. **J Acoust Soc Am** 1980 Aug;68(2):440–5
Interaural correlation discrimination: i. bandwidth and level dependence. Gabriel KJ, et al. **J Acoust Soc Am** 1981 May;

69(5):1394–401
Discrimination of the 'tempo of frequency change' cue. Godfrey JJ, et al. **J Acoust Soc Am** 1981 May;69(5):1446–8
Psychophysical tuning curves independent of signal level. Green DM, et al. **J Acoust Soc Am** 1981 Jun;69(6):1758–62
Hybrid adaptive procedure for estimation of psychometric functions. Hall JL. **J Acoust Soc Am** 1981 Jun;69(6):1763–9
Some observations on the lateralization of complex waveforms. Henning GB. **J Acoust Soc Am** 1980 Aug; 68(2):446–54
Pitch of unequal-amplitude dichotic two-tone harmonic complexes. Houtsma AJ. **J Acoust Soc Am** 1981 Jun; 69(6):1778–85
Two-tone unmasking in the forward-masking procedure: suppression or perceptual cueing? Lutfi RA, et al. **J Acoust Soc Am** 1980 Aug;68(2):700–2
Mechanism and frequency distribution of two-tone suppression in forward masking. Moore BC. **J Acoust Soc Am** 1980 Sep;68(3):814–24
Off-frequency listening: effects on psychoacoustical tuning curves obtained in simultaneous and forward masking. O'Loughlin BJ, et al. **J Acoust Soc Am** 1981 Apr; 69(4):1119–25
Level dependence of psychophysical frequency resolution and auditory filter shape. Pick GF. **J Acoust Soc Am** 1980 Oct;68(4):1085–95
Two-tone masking in normal hearing listeners. Rabinowitz WM, et al. **J Acoust Soc Am** 1980 Oct;68(4):1096–106
Poststimulatory pitch shifts for pure tones. Rakowski A, et al. **J Acoust Soc Am** 1980 Aug;68(2):467–74
Psychophysical measurements relating suppression and combination tones. Shannon RV, et al. **J Acoust Soc Am** 1980 Sep;68(3):825–9
Two procedures for estimating internal noise. Spiegel MF, et al. **J Acoust Soc Am** 1981 Jul;70(1):69–73
Thresholds for tones in maskers of various bandwidths and for signals of various bandwidths as a function of signal frequency. Spiegel MF. **J Acoust Soc Am** 1981 Mar; 69(3):791–5
Perceptual dimension of openness in vowels. Traunmüller H. **J Acoust Soc Am** 1981 May;69(5):1465–75
Detection of long interaural delays for broadband noise. Warren RM, et al. **J Acoust Soc Am** 1981 May;69(5):1510–4
Forward masking by sinusoidal and noise maskers. Weber DL, et al. **J Acoust Soc Am** 1981 May;69(5):1402–9
Masker interaction in pure-tone forward masking. Widin GP, et al. **J Acoust Soc Am** 1980 Aug;68(2):475–9
Formulae for calculating the psychoacoustical excitation level of aural difference tones measured by the cancellation method. Zwicker E. **J Acoust Soc Am** 1981 May; 69(5):1410–3
Psychophysics and neurophysiology of temporal factors in hearing by the goldfish: amplitude modulation detection. Fay RR. **J Neurophysiol** 1980 Aug;44(2):312–32
Psychophysical scaling of distorted speech. Barry SJ, et al. **J Speech Hear Res** 1981 Mar;24(1):44–7
Rapid reproduction of vowel-vowel sequences: evidence for a fast and direct acoustic-motoric linkage in speech. Porter RJ Jr, et al. **J Speech Hear Res** 1980 Sep;23(3):593–602
Perception of vowels and consonant-vowels of varying duration in language impaired children. Frumkin B, et al. **Neuropsychologia** 1980;18(4–5):443–54
Iso-spectrum level masking contours and frequency selectivity in humans. Zerlin S. **Otolaryngol Head Neck Surg** 1980 Nov-Dec;88(6):796

PSYCHOACTIVE AGENTS see **PSYCHOTROPIC DRUGS**

PSYCHOANALYSIS

Psychoanalysis as a human science. Will D. **Br J Med Psychol** 1980 Sep;53(3):201–11
Psychoanalysis, psychotherapy, and health services [letter] Mason HA. **Br Med J** 1980 Jan 26;280(6209):248–9
On the generational cycle. An address. Erikson EH. **Int J Psychoanal** 1980;61(Pt 2):213–23
Summary and concluding remarks: 31st International Psychoanalytic Congress. Furst SS. **Int J Psychoanal** 1980; 61(Pt 2):225–36
Special issue on psychoanalysis and the social sciences, Part I. **J Am Acad Psychoanal** 1981 Apr;9(2):167–318
How psychoanalysis is a science--and how it is not. Breger L. **J Am Acad Psychoanal** 1981 Apr;9(2):261–75
On the relevance of the social sciences to psychoanalysis [editorial] Brooks CE. **J Am Acad Psychoanal** 1981 Apr; 9(2):167–70
The identity of the psychoanalyst [editorial] Cantor MB. **J Am Acad Psychoanal** 1980 Jul;8(3):307–9
Health benefits and psychoanalysis [letter] Blomfield OH. **Med J Aust** 1981 Apr 18;1(8):431–2
Is psychoanalysis alive and well at 85? A rejoinder. Conn JH. **Pavlov J Biol Sci** 1980 Jul-Sep;15(3):131–4
Clinical psychoanalytic knowledge-an epistemological inquiry. Brody EB, et al. **Perspect Biol Med** 1980 Autumn; 24(1):143–59
On 'action language' in psychoanalysis. Calogeras RC, et al. **Psychoanal Q** 1980;49(4):663–96
An examination of some recent criticisms of psychoanalytic 'metapsychology'. Ellman SJ, et al. **Psychoanal Q** 1980; 49(4):631–62
Extra-analytic contacts: theoretical and clinical considerations. Strean HS. **Psychoanal Q** 1981;50(2):238–59
Psychoanalysis and academic psychiatry--bridges. Wallerstein RS. **Psychoanal Study Child** 1980;35:419–48
[Misadventures of modern psychotherapy (author's transl)] Szafran AW. **Acta Psychiatr Belg** 1979 Nov-Dec; 79(6):601–13 (Eng. Abstr.) **(Fre)**
[Language, object relations and neurosis (author's transl)] Goeppert S, et al. **Psychother Psychosom Med Psychol** 1981 Jan;31(1):1–9 (Eng. Abstr.) **(Ger)**
[Critical considerations on psychoanalysis, in relation to its possible introduction in the National Health Service] Massone A. **Minerva Med** 1980 Nov 30;71(48):3537–46 (Eng. Abstr.) **(Ita)**
[Physician-patient relations. Problems of general application and specific technic] Rossi R, et al. **Minerva Psichiatr** 1979 Jan-Mar;20(1):3–15 **(Ita)**

EDUCATION

[Participant observation of early childhood in psychoanalytic training.] Kohler-Weisker A. **Psyche (Stuttg)** 1980 Jul; 34(7):625–51 (Eng. Abstr.) **(Ger)**
[Psychoanalysis and dramaturgic training] Bregant L. **Z Psychosom Med Psychoanal** 1980 Oct-Dec;26(4):357–63 (Eng. Abstr.) **(Ger)**
[Psychoanalytic process between the Scylla of 'condensation' and the Charybdis of 'systematic acoustic deficit.' Introduction to a research project] Meyer AE. **Z Psychosom Med Psychoanal** 1981 Apr-Jun;27(2):103–16 (Eng. Abstr.) **(Ger)**

HISTORY

More on the case of Anna O. [letter] Pappenheim E. **Am J Psychiatry** 1980 Dec;137(12):1625–6
'The open-air closet'. Glenn J. **Am J Psychoanal** 1980 Summer;40(2):165–8
An addendum to 'The Advantages of Freud's Technique As Shown in His Analysis of the Rat Man'. Lipton SD. **Int J Psychoanal** 1979;60(Pt 2):215–6
Peter Blos' modern psychoanalytic interpretation of adolescence. Muuss RE. **J Adolesc** 1980 Sep;3(3):229–52
Freud and the prostitute: male stereotypes of female sexuality in fin-de-siècle Vienna. Gilman SL. **J Am Acad Psychoanal** 1981 Jul;9(3):337–60
Acceptance speech on the occasion of receiving the Frieda Fromm-Reichmann Award. Szalita AB. **J Am Acad Psychoanal** 1981 Jan;9(1):11–6
Selfobject disorders and psychoanalytic theory: a historical perspective. Basch MF. **J Am Psychoanal Assoc** 1981; 29(2):337–51
The British object relations theorists: Balint, Winnicott, Fairbairn, Guntrip. Sutherland JD. **J Am Psychoanal Assoc** 1980;28(4):829–60
From psychotherapy to psychoanalysis: Frederik van Eeden and Albert Willem van Renterghem. Bulhof IN. **J Hist Behav Sci** 1981 Apr;17(2):209–21
War, revolution, and psychoanalysis: Freudian thought begins to grapple with social reality. Hoffman LE. **J Hist Behav Sci** 1981 Apr;17(2):251–69
Freud, Theodor Lipps, and 'scientific psychology'. Kanzer M. **Psychoanal Q** 1981;50(3):393–410
Coping with cancer: Freud's experiences. Golub S. **Psychoanal Rev** 1981 Summer;68(2):191–200
A historical sketch of the use and disuse of reconstruction. Greenacre P. **Psychoanal Study Child** 1980;35:35–40
Analytical psychology: Carl Jung and his circle. Rogers FB. **Trans Stud Coll Physicians Phila** 1980 Dec;2(4):284–8
[Ernst L. Kirchner - psychoanalytic perspectives of the psychoeconomy of his creative achievements] Reiter A. **Confin Psychiatr** 1980;23(2):118–28 (Eng. Abstr.) **(Ger)**
[Elements of self-analysis in the 'Studies in Hysteria'. Explanation of the origins of psychoanalytic technics] Schott HG. **Gesnerus** 1980;37(3–4):235–56 (Eng. Abstr.) **(Ger)**
[3 early psychological articles by Sigmund Freud] **Psyche (Stuttg)** 1981 May;35(5):456–88 **(Ger)**
[Freud's earliest theories and the Helmholtz School (1944)] Bernfeld S. **Psyche (Stuttg)** 1981 May;35(5):435–55 **(Ger)**
[Psychoanalysis in ethnology. A report on the literature] Boyer LB. **Psyche (Stuttg)** 1980 Aug;34(8):694–715 (Eng. Abstr.) **(Ger)**
[Siegfried Bernfeld: historian of psychoanalysis and Freud biographer] Grubrich-Simitis I. **Psyche (Stuttg)** 1981 May; 35(5):397–34 **(Ger)**
[Bibliography of the writings of Jacques Lacan] Heinrichs HJ. **Psyche (Stuttg)** 1980 Oct;34(10):958–73 **(Ger)**
[An interesting mistake by S. Freud] Lebzeltern G. **Z Klin Psychol Psychother** 1980;28(1):14–20 (Eng. Abstr.) **(Ger)**
[Tribute to Dr. Erich Fromm] **Gac Med Mex** 1980 Oct; 116(10):431–45 **(Spa)**

METHODS

Child psychiatry perspectives. Child development research and child analysis. Lewis M. **J Am Acad Child Psychiatry** 1981 Winter;20(1):189–99
From discovery to validation: a basic challenge to psychoanalysis. Kaplan AH. **J Am Psychoanal Assoc** 1981; 29(1):3–26
Regression: some general considerations. Loewald HW. **Psychoanal Q** 1981;50(1):22–43

TRENDS

Whither psychoanalysis? [editorial] Becker BJ. **Am J Psychoanal** 1980 Winter;40(4):291–2
[Psychoanalysis in Brazil] Chrysóstomo de Sousa J, et al. **Psyche (Stuttg)** 1980 Sep;34(9):812–24 (Eng. Abstr.) **(Ger)**
[psychoanalysis in Germany - a career in the state system? Views from the far side of the Rhine] Lohmann HM. **Psyche (Stuttg)** 1980 Oct;34(10):945–57 **(Ger)**
['Psichiatria democrazia' and psychoanalysis. The social setting and its significance for psychotherapeutic dialogue] Metzger HG. **Psyche (Stuttg)** 1980 Sep;34(9):825–47 (Eng. Abstr.) **(Ger)**

PSYCHOANALYTIC INTERPRETATION

'The open-air closet'. Glenn J. **Am J Psychoanal** 1980 Summer;40(2):165–8
Inferring object relations from human figure drawings. Kissen M. **Bull Menninger Clin** 1981 Jan;45(1):43–54
Star Wars: the modern developmental fairy tale. McDermott JF Jr, et al. **Bull Menninger Clin** 1980 Jul;44(4):381–90
The Guyana incident: some psychoanalytic considerations. Zee HJ. **Bull Menninger Clin** 1980 Jul;44(4):345–63
The characteristics of tension-provoking composition and lines--as represented in Munch's paintings. Halbreich U, et al. **Confin Psychiatr** 1980;23(3):187–92
Proust and perversion: some clinical and theoretical considerations. Halberstadt-Freud HC. **Int J Psychoanal** 1980;61(3):403–10
Visual communication in the psychoanalytic situation. Kanzer M. **Int J Psychoanal** 1980;61(Pt 2):249–58
Formulating interpretations in clinical psychoanalysis. Klauber J. **Int J Psychoanal** 1980;61(Pt 2):195–201
Formulating interpretations in clinical psychoanalysis. Ornstein PH, et al. **Int J Psychoanal** 1980;61(Pt 2):203–11
Complementarity between the styles of the patient's material and the interpretation. Liberman D. **Int J Psychoanal Psychother** 1980–81;8:125–36
Peter Blos' modern psychoanalytic interpretation of adolescence. Muuss RE. **J Adolesc** 1980 Sep;3(3):229–52
Religious symbols in dreams of analytical patients. Hall JA. **J Am Acad Psychoanal** 1981 Apr;9(2):237–49
Psychoanalysis, shamanism and cultural phenomena. Johnson CL. **J Am Acad Psychoanal** 1981 Apr;9(2):311–8
Interpretation of affect and affective interpretation. Mohacsy I, et al. **J Am Acad Psychoanal** 1980 Oct;8(4):615–31
The nature of literary psychology. Edel L. **J Am Psychoanal Assoc** 1981;29(2):447–67
Dreams and dreamers. Conn JH. **Md State Med J** 1981 Mar; 30(3):64–6
An ego/self theory of substance dependence: a contemporary psychoanalytic perspective. Khantzian EJ. **Natl Inst Drug Abuse Res Monogr Ser** 1980 Mar;(30):29–33
Holiday depression, both fact and fiction. Himmelhoch JM. **Postgrad Med** 1980 Dec;68(6):185–90
A note on the phallic significance of spitting. Gomberg HL. **Psychoanal Q** 1981;50(1):90–5
On the significance of the face. Eigen M. **Psychoanal Rev** 1980 Winter;67(4):427–41
Heart symbolism: the heart-breast and heart-penis equations. Reichbart R. **Psychoanal Rev** 1981 Spring;68(1):75–104
Conflict resolution in Hesse's fiction. Schneiderman L. **Psychoanal Rev** 1981 Summer;68(2):265–77
Children's dreams reconsidered. Ablon SL, et al. **Psychoanal Study Child** 1980;35:179–217
Adolescent love and self-analysis as contributors to Flaubert's creativity. Baudry FD. **Psychoanal Study Child** 1980;35:377–416
[The psychology of the series hero] Wiesler B. **Prax Kinderpsychol Kinderpsychiatr** 1980 Jul;29(5):175–82 (Eng. Abstr.) **(Ger)**
[De Sade: the body and the murder of reality] Chasseguet-Smirgel J. **Psyche (Stuttg)** 1981 Mar; 35(3):237–52 (Eng. Abstr.) **(Ger)**
[The Oedipal-masked pre-Oedipal love or Feydeau's professional misunderstanding] Cremerius J. **Psyche (Stuttg)** 1981 Mar;35(3):253–67 (Eng. Abstr.) **(Ger)**
['Mimi presents a bouquet to Madame Grenouillet'. A psychoanalytic study of the path taken by the 4-year-old Paul Klee's fantasy in a childhood drawing] Eckstaedt A. **Psyche (Stuttg)** 1980 Dec;34(12):1123–44 **(Ger)**
['The Hunter Gracchus': Kafka's secret] Mecke G. **Psyche (Stuttg)** 1981 Mar;35(3):209–36 (Eng. Abstr.) **(Ger)**
[Sartre's Flaubert] Mitzman A. **Psyche (Stuttg)** 1981 Mar; 35(3):268–98 (Eng. Abstr.) **(Ger)**
[The reality of fiction. Literature and psychoanalysis] Obermeit W. **Psyche (Stuttg)** 1981 Mar;35(3):193–208 (Eng. Abstr.) **(Ger)**
['Free Greenland from pack ice'. The Zurich unrest in 1980] Parin P. **Psyche (Stuttg)** 1980 Nov;34(11):1056–65 **(Ger)**
[Psychotherapeutic consequences of structural psychopathology; structural understanding and being understood (author's transl)] Krebs W, et al. **Psychother Psychosom Med Psychol** 1980 Sep;30(5):227–31 (Eng. Abstr.) **(Ger)**
[The Holocaust and the cultural psychology of Sigmund Freud] Seifert W. **Z Klin Psychol Psychother** 1980;

28(4):292–301 (Eng. Abstr.) (Ger)
[Hallucination, delusions and madness in Sophocles' 'Oedipus Rex'] Tellenbach H. **Z Klin Psychol Psychother** 1980; 28(4):337–49 (Eng. Abstr.) (Ger)
[Psychoanalysis and dramaturgic training] Bregant L. **Z Psychosom Med Psychoanal** 1980 Oct–Dec;26(4):357–63 (Eng. Abstr.) (Ger)
[Physician–patient relations. Problems of general application and specific technic] Rossi R, et al. **Minerva Psichiatr** 1979 Jan–Mar;20(1):3–15 (Ita)

PSYCHOANALYTIC THEORY

Modifications in the traditional psychoanalytic theory of female adolescent development. Blos P.
Adolesc Psychiatry 1980;8:8–24
Normal female and male adolescent psychological development: an overview of theory and research. Blotcky MJ, et al. **Adolesc Psychiatry** 1980;8:184–99
Recent contributions to the theory of female adolescent psychological development. Weissman S, et al.
Adolesc Psychiatry 1980;8:214–30
The primal scene: a study of prevalence. Rosenfeld AA, et al. **Am J Psychiatry** 1980 Nov;137(11):1426–8
A note on soft and hard qualities. Eigen M.
Am J Psychoanal 1980 Fall;40(3):267–71
Kairos: a Jungian view of time. Hainline RL.
Am J Psychoanal 1980 Winter;40(4):325–31
On cognition, affects, and Horney theory. Rubins JL.
Am J Psychoanal 1980 Fall;40(3):195–212
The power dilemma of women. Turkel AR.
Am J Psychoanal 1980 Winter;40(4):301–11
New frontiers in Horney theory of self-realization. Wassell BB. **Am J Psychoanal** 1980 Winter;40(4):333–46
Theories of narcissism and trauma. Cohen JA.
Am J Psychother 1981 Jan;35(1):93–100
The oral, obsessive, and hysterical personality syndromes. A study of hereditary and environmental factors by means of the twin method. Torgersen S. **Arch Gen Psychiatry** 1980 Nov;37(11):1272–7
Freud's penis–baby equation: exploratory tests of a controversial theory. Greenberg RP, et al.
Br J Med Psychol 1980 Dec;53(4):333–42
The role of the talionic impulse in the development of mortality. Masterson JF. **Bull Menninger Clin** 1980 Sep; 44(5):482–97
Studies on hysteria–Frau Emmy von N. Meissner WW.
Bull Menninger Clin 1981 Jan;45(1):1–19
Toward integrating psyche and soma: psychoanalysis and neurobiology. Flannery J, et al. **Can J Psychiatry** 1981 Feb; 26(1):15–23
The therapist's self–disclosure in individual psychotherapy: research and psychoanalytic therory. Rosie JS.
Can J Psychiatry 1980 Oct;25(6):469–72
Psychic structure, psychic illness and psychotherapy in Plato and Freud. Arvanitakis KI. **Confin Psychiatr** 1980; 23(3):164–72
Toward a theory of adaptation of analytic group psychotherapy. Buirski P. **Int J Group Psychother** 1980 Oct;30(4):447–59
Psychoanalytic theory and family systems theory: a complementary view. Rhodes SL.
Int J Group Psychother 1981 Jan;31(1):25–42
The adaptive point of view in psychoanalytic metapsychology. Summers F. **Int J Law Psychiatry** 1980; 3(3):257–65
Clinical practice, theory and their relationship in regard to female sexuality. Chiland C. **Int J Psychoanal** 1980; 61(3):359–65
Structural consequences of psychic trauma: a new look at 'Beyond the Pleasure Principle'. Cohen J.
Int J Psychoanal 1980;61(3):421–32
The analysis of a male patient by a female analyst: the problem of the negative Oedipal transference. Karme L. **Int J Psychoanal** 1979;60(Pt 2):253–61
Further exploration of the schizophrenic regression to the undifferentiated state. A study of the 'assessment of the unconscious'. Katan M. **Int J Psychoanal** 1979;60(Pt 2):145–75
The problem of internalization and structure formation. Meissner WW. **Int J Psychoanal** 1980;61(Pt 2):237–48
Current controversy in object relations theory as outgrowth of a schism between Klein and Fairbairn. Robbins M.
Int J Psychoanal 1980;61(Pt 4):477–92
Oedipal conflicts in narcissistic personality disorders. Rothstein A. **Int J Psychoanal** 1979;60(Pt 2):189–99
Effects of family constellation and dynamics on the form of the Oedipus complex. Werman DS. **Int J Psychoanal** 1980;61(Pt 4):505–12
Preoedipal determinants of a beating fantasy. Galenson E. **Int J Psychoanal Psychother** 1980–81;8:649–52
Moral narcissism. Green A. **Int J Psychoanal Psychother** 1980–81;8:243–69
The significance of Kleinian contributions to psychoanalysis II. Freudian and Kleinian conceptions of early mental development. Grotstein J. **Int J Psychoanal Psychother** 1980–81;8:393–428
The significance of Kleinian contributions to psychoanalysis I. Kleinian instinct theory. Grotstein J.
Int J Psychoanal Psychother 1980–81;8:375–92
The role of primal scene and masochism in asthma. Karol C. **Int J Psychoanal Psychother** 1980–81;8:577–92
Infancy, aloneness, and madness. Khan MM.
Int J Psychoanal Psychother 1980–81;8:271–2
Role of psychoanalytic merging fantasies in systematic desensitization: a rigorous methodological examination. Condon TJ, et al. **J Abnorm Psychol** 1980 Jun;89(3):437–43
Stranger reaction versus stranger anxiety. Bird HR.
J Am Acad Psychoanal 1980 Oct;8(4):555–63
Theoretical and clinical considerations of affects in psychoanalysis. Part I. Classical theories of affect. Drellich MG. **J Am Acad Psychoanal** 1981 Jul;9(3):399–414
Poetry, medicine and metaphysics. Kaplan A.
J Am Acad Psychoanal 1981 Jan;9(1):101–28
The origins of affect—normal and pathological. Kestenbaum CJ. **J Am Acad Psychoanal** 1980 Oct;8(4):497–520
Core processes in the organization of emotions. Knapp PH.
J Am Acad Psychoanal 1981 Jul;9(3):415–34
Early developmental roots of anxiety. Schecter DE.
J Am Acad Psychoanal 1980 Oct;8(4):539–54
Traditional psychoanalytic characterology reexamined in the light of constitutional and cognitive differences between the sexes. Stone MH. **J Am Acad Psychoanal** 1980 Jul; 8(3):381–401
Technical consequences of object relations theory.
J Am Psychoanal Assoc 1980;28(3):623–36
The bipolar self. **J Am Psychoanal Assoc** 1981;29(1):143–59
Why people talk to themselves. Andresen JJ.
J Am Psychoanal Assoc 1980;28(3):499–517
The revenge motive in the primal scene. Arlow JA.
J Am Psychoanal Assoc 1980;28(3):519–41
Selfobject disorders and psychoanalytic theory: a historical perspective. Basch MF. **J Am Psychoanal Assoc** 1981; 29(2):337–51
Notes on the concepts of selfobject and preoedipal object. Coen SJ. **J Am Psychoanal Assoc** 1981;29(2):395–411
A study of the psychoanalytic theory of anxiety, III: A preliminary formulation of the anxiety response. Compton A. **J Am Psychoanal Assoc** 1980;28(4):739–73
Reconstruction: its nature and therapeutic value. Greenacre P. **J Am Psychoanal Assoc** 1981;29(1):27–46
Time and the dream. Hartocollis P.
J Am Psychoanal Assoc 1980;28(4):861–77
Freud's 'analytic pact': the standard therapeutic alliance. Kanzer M. **J Am Psychoanal Assoc** 1981;29(1):69–87
A clinical report of penis envy: its multiple meanings and defensive function. Karme L. **J Am Psychoanal Assoc** 1981; 29(2):427–46
The survivor syndrome: further observations and dimensions. Niederland WG. **J Am Psychoanal Assoc** 1981;29(2):413–25
The bipolar self in the psychoanalytic treatment process: clinical–theoretical considerations. Ornstein PH.
J Am Psychoanal Assoc 1981;29(2):353–75
The lost source in Freud's 'Comment on anti–semitism': Mark Twain. Richmond MB. **J Am Psychoanal Assoc** 1980; 28(3):563–74
The bipolar self: discussion of alternative perspectives. Wallerstein RS. **J Am Psychoanal Assoc** 1981;29(2):377–94
Emerging consciousness. Lambert K. **J Anal Psychol** 1981 Jan;26(1):1–17
Jungian personality correlates of cerebral hemispheric preference. Prifitera A. **J Anal Psychol** 1981 Apr; 26(2):151–62
Depth psychology, death and the hermeneutic of empathy. Hogenson GB. **J Med Philos** 1981 Feb;6(1):67–89
Sibling incest aversion as an index of oedipal conflict. Arndt WB Jr, et al. **J Pers Assess** 1981 Feb;45(1):52–8
Oral imagery and autonomic arousal in social isolation. Masling J, et al. **J Pers Soc Psychol** 1981 Feb;40(2):395–400
Is psychoanalysis alive and well at 85? A rejoinder. Conn JH. **Pavlov J Biol Sci** 1980 Jul–Sep;15(3):131–4
Psychoanalytic contributions to the generation of creativity in children. Gottschalk LA. **Psychiatry** 1981 Aug; 44(3):210–29
Cross–cultural perspectives on penis envy. Nathan SG.
Psychiatry 1981 Feb;44(1):39–44
Psychic conflict and the concept of defense. Abend SM.
Psychoanal Q 1981;50(1):67–76
Transitional objects: idealization of a phenomenon. Brody S. **Psychoanal Q** 1980;49(4):561–605
On the psychoanalytic theory of instinctual drives. IV: Instinctual drives and the ego–id–superego model. Compton A. **Psychoanal Q** 1981;50(3):363–92
On the psychoanalytic theory of instinctual drives. III: The complications of libido and narcissism. Compton A.
Psychoanal Q 1981;50(3):345–62
On the psychoanalytic theory of instinctual drives. I: The beginnings of Freud's drive theory. Compton A.
Psychoanal Q 1981;50(2):190–218
On the psychoanalytic theory of instinctual drives. II: The sexual drives and the ego drives. Compton A.
Psychoanal Q 1981;50(2):219–37
The oedipal conflicts of the analyst. Grunberger B.
Psychoanal Q 1980;49(4):606–30
A note on narcissism. Meissner WW. **Psychoanal Q** 1981; 50(1):77–89
On the quest for the origins of conflict. Shapiro T.
Psychoanal Q 1981;50(1):1–21
The self and the ego. Spruiell V. **Psychoanal Q** 1981; 50(3):319–44
Freudian siblings. Bank S, et al. **Psychoanal Rev** 1980 Winter; 67(4):493–504
Interpretation as devotion: Freud's relation to rabbinic hermeneutics. Handelman S. **Psychoanal Rev** 1981 Summer; 68(2):201–8
Picturing the Freudian unconscious. Levin DM.
Psychoanal Rev 1981 Summer;68(2):255–63
Heinz Kohut and the classical psychoanalytic tradition: an analysis in terms of levels of explanation. Patton MJ, et al. **Psychoanal Rev** 1980 Fall;67(3):365–88
Symposium: Emanuel Peterfreund on information and systems theory. Reppen J, et al. **Psychoanal Rev** 1981 Summer;68(2):159–90
Consciousness of self and painful self–consciousness. Amsterdam BK, et al. **Psychoanal Study Child** 1980; 35:67–83
The family and the psychoanalytic process in children. Anthony EJ. **Psychoanal Study Child** 1980;35:3–34
The development of the self: a psychoanalytic perspective. Stechler G, et al. **Psychoanal Study Child** 1980;35:85–105
Internalization in psychoanalysis. Meissner WW.
Psychol Issues 1981;13(2):1–278
The power of form. A psychoanalytic approach to aesthetic form. Rose GJ. **Psychol Issues** 1980;(49):1–234
The borderline syndrome and affective disorders: a comment on the Wolf–man. Abrahamson D. **Schizophr Bull** 1980; 6(4):549–51
[Marital difficulties, divorce and infantile psychopathology (author's transl)] Amar M, et al.
Neuropsychiatr Enfance Adolesc 1979 Sep;27(9):417–22 (Eng. Abstr.) (Fre)
[An attempt to reconcile systems theory with group psychoanalytic theory within the context of their application in family therapy (author's transl)] Litovsky de Eiguer D. **Neuropsychiatr Enfance Adolesc** 1980 Sep; 28(9):375–81 (Eng. Abstr.) (Fre)
[Anthropology of sexually deviant behavior. Polarizing structures] Holzbach E. **Confin Psychiatr** 1980;23(3):133–45 (Eng. Abstr.) (Ger)
[Psychoanalytic research on psychopathology and its significance for pedagogy] Köhle K. **Confin Psychiatr** 1980; 23(2):65–73 (Eng. Abstr.) (Ger)
[Psychoanalytic concepts of psychosomatic symptom–formation (author's transl)] von Rad M.
Nervenarzt 1980 Sep;51(9):512–8 (Ger)
[Psychoanalytic psychology of the latency period] Reimer C, et al. **Prax Kinderpsychol Kinderpsychiatr** 1981 Mar; 30(2):33–8 (Eng. Abstr.) (Ger)
[Speculation on the ethnological observations] Bateson G. **Psyche (Stuttg)** 1980 Aug;34(8):716–31 (Ger)
[Freud's earliest theories and the Helmholtz School (1944)] Bernfeld S. **Psyche (Stuttg)** 1981 May;35(5):435–55 (Ger)
[The dialectic of Freud's concept of consciousness] Bianchi R. **Psyche (Stuttg)** 1980 Nov;34(11):977–96 (Eng. Abstr.) (Ger)
[The Oedipal–masked pre–Oedipal love or Feydeau's professional misunderstanding] Cremerius J.
Psyche (Stuttg) 1981 Mar;35(3):253–67 (Eng. Abstr.) (Ger)
['Mimi presents a bouquet to Madame Grenouillet'. A psychoanalytic study of the path taken by the 4–year–old Paul Klee's fantasy in a childhood drawing] Eckstaedt A. **Psyche (Stuttg)** 1980 Dec;34(12):1123–44 (Ger)
[Siegfried Bernfeld: historian of psychoanalysis and Freud biographer] Grubrich–Simitis I. **Psyche (Stuttg)** 1981 May; 35(5):397–34 (Ger)
[Lorenzer and/or Lacan. The subject between spirit and letter] Heim R. **Psyche (Stuttg)** 1980 Oct;34(10):910–44 (Eng. Abstr.) (Ger)
[Computers and the technologization of inner life] Johnson FG. **Psyche (Stuttg)** 1980 Sep;34(9):790–811 (Eng. Abstr.) (Ger)
[The relationship between psychoanalysis and pedagogy] Körner J. **Psyche (Stuttg)** 1980 Sep;34(9):769–89 (Eng. Abstr.) (Ger)
[Freud – a structuralist?] Lang H. **Psyche (Stuttg)** 1980 Oct; 34(10):865–84 (Eng. Abstr.) (Ger)
[Determinism in psychoanalysis] Lutzi J. **Psyche (Stuttg)** 1980 Nov;34(11):1022–55 (Eng. Abstr.) (Ger)
[The writings of the soul. Introduction to psychoanalysis according to Jacques Lacan] Ruhs A. **Psyche (Stuttg)** 1980 Oct;34(10):885–909 (Eng. Abstr.) (Ger)
['The interpretation of dreams' and 'infantile cerebral palsy.' Reflections on Freud's theory development] Schott HG. **Psyche (Stuttg)** 1981 Feb;35(2):97–110 (Eng. Abstr.) (Ger)
[Psychological grammar. Structure of the psychoanalytic theory] Stadler P. **Psyche (Stuttg)** 1980 Nov; 34(11):997–1021 (Eng. Abstr.) (Ger)
[Psychoanalysis and reality] Wulff E.
Psychiatr Neurol Med Psychol (Leipz) 1981 Feb;33(2):86–92 (Eng. Abstr.) (Ger)
[Psychological and sociological theory of neurosis] Hochenegg L, et al. **Wien Med Wochenschr** 1981 Mar 15; 131(5):119–22 (Ger)
[The Holocaust and the cultural psychology of Sigmund Freud] Seifert W. **Z Klin Psychol Psychother** 1980; 28(4):292–301 (Eng. Abstr.) (Ger)
[Basis disturbances in depressive neuroses and psychosomatic disorders] Ermann M. **Z Psychosom Med Psychoanal** 1980 Oct–Dec;26(4):316–28 (Eng. Abstr.) (Ger)
[Theory and therapy of psychosomatic disorders] von Rad M. **Z Psychosom Med Psychoanal** 1981 Jan–Mar;27(1):1–20 (Eng. Abstr.) (Ger)
[Freudian theories and aviation psychology] Sparvieri F.
Riv Med Aeronaut Spaz 1980 Jan–Jun;43(1–2):81–103 (Eng.

Abstr.) (Ita)

PSYCHOANALYTIC THERAPY

A shift of focus. Eigen M. **Am J Psychoanal** 1980 Winter; 40(4):347–8

Pregnancy in the analyst. McWilliams N. **Am J Psychoanal** 1980 Winter;40(4):367–9

Secrets. Schoicket S. **Am J Psychoanal** 1980 Summer; 40(2):179–82

Gestalt and psychoanalytic therapies: structural analysis and rapprochement. Nielsen AC. **Am J Psychother** 1980 Oct; 34(4):534–44

Behavior therapy versus psychoanalysis. Therapeutic and social implications. Wolpe J. **Am Psychol** 1981 Feb; 36(2):159–64

The split transference in the simultaneous treatment of mother and child. Buirski P, et al. **Bull Menninger Clin** 1980 Nov;44(6):639–46

Psychoanalysis of a severe neurotic learning disturbance in a gifted adolescent boy. Colarusso CA. **Bull Menninger Clin** 1980 Nov;44(6):585–602

The therapist's self–disclosure in individual psychotherapy: research and psychoanalytic therory. Rosie JS. **Can J Psychiatry** 1980 Oct;25(6):469–72

Toward a theory of adaptation of analytic group psychotherapy. Buirski P. **Int J Group Psychother** 1980 Oct;30(4):447–59

On the genesis of narcissistic and phobic character formation in an adult patient: a developmental view. Bergmann MV. **Int J Psychoanal** 1980;61(Pt 4):535–46

The life cycle as indicated by the nature of the transference in the psychoanalysis of adolescents. Blos P. **Int J Psychoanal** 1980;61(Pt 2):145–51

Dimensions of a single word–association in the analyst's reverie. Flannery JG. **Int J Psychoanal** 1979;60(Pt 2):217–23

Visual communication in the psychoanalytic situation. Kanzer M. **Int J Psychoanal** 1980;61(Pt 2):249–58

The life cycle as indicated by the nature of the transference in the psychoanalysis of the middle–aged and elderly. King P. **Int J Psychoanal** 1980;61(Pt 2):153–60

Formulating interpretations in clinical psychoanalysis. Klauber J. **Int J Psychoanal** 1980;61(Pt 2):195–201

Psychoanalysis of multiple personality. Marmer SS. **Int J Psychoanal** 1980;61(Pt 4):439–59

Affects and their non–communication. Modell AH. **Int J Psychoanal** 1980;61(Pt 2):259–67

The life cycle as indicated by the nature of the transference in the psychoanalysis of children. Neubauer PB. **Int J Psychoanal** 1980;61(Pt 2):137–44

Formulating interpretations in clinical psychoanalysis. Ornstein PH, et al. **Int J Psychoanal** 1980;61(Pt 2):203–11

Fear of breakdown: a clinical example. Winnicott C. **Int J Psychoanal** 1980;61(3):351–7

Some comments on the psychoanalytic treatment of patients with physical disabilities. Yorke C. **Int J Psychoanal** 1980; 61(Pt 2):187–93

Presidential address: psychoanalytic therapy in a cultural climate of pessimism. Arieti S. **J Am Acad Psychoanal** 1981 Apr;9(2):171–84

The roots of anxiety, character structure, and psychoanalytic treatment. Horner AJ. **J Am Acad Psychoanal** 1980 Oct; 8(4):565–73

Experiential innovations within the psychoanalytic movement. Oelman R. **J Am Acad Psychoanal** 1981 Jan; 9(1):71–99

Cognitive aspects of affects and other feeling states with clinical applications. Spiegel R. **J Am Acad Psychoanal** 1980 Oct;8(4):591–614

A fresh look at an old phenomenon: hypnosis. DeBetz B. **J Am Med Wom Assoc** 1981 Mar;36(3):109–11

Adult masturbation: clinical perspectives. **J Am Psychoanal Assoc** 1980;28(3):637–52

Empathy: its nature and limitations. Buie DH. **J Am Psychoanal Assoc** 1981;29(2):281–307

The perspective of the self–representation: some clinical implications. Eisnitz AJ. **J Am Psychoanal Assoc** 1981; 29(2):309–36

Some effects of the consultation–referral process on subsequent analytic work. Hurst DM. **J Am Psychoanal Assoc** 1980;28(3):605–21

Psychoanalysis and biography: aspects of a developing affinity. Mack JE. **J Am Psychoanal Assoc** 1980; 28(3):543–62

From insight to change. Rangell L. **J Am Psychoanal Assoc** 1981;29(1):119–41

New psychoanalytic perspectives on the treatment of a homosexual male. Herron WG, et al. **J Homosex** 1980 Summer;5(4):393–403

The oedipal conflicts of the analyst. Grunberger B. **Psychoanal Q** 1980;49(4):606–30

A historical sketch of the use and disuse of reconstruction. Greenacre P. **Psychoanal Study Child** 1980;35:35–40

Countertransference and the psychoanalytic process in children and adolescents. Marcus IM. **Psychoanal Study Child** 1980;35:285–98

Cognition in personality and the treatment process: a psychoanalytic view. Santostefano S. **Psychoanal Study Child** 1980;35:41–66

Internalization in psychoanalysis. Meissner WW. **Psychol Issues** 1981;13(2):1–278

[Oralization and other aspects of the primary function of the hand] Corominas J. **Psychiatr Enfant** 1979;22(2):381–430 (Fre)

[Analytic therapy in the latency period. A) Therapeutic approach to the latency period] Denis P. **Psychiatr Enfant** 1979;22(2):281–334 (Fre)

[Analytic therapy in the latency period. B) Therapy for phobia in girls during the latency period] Diatkine D, et al. **Psychiatr Enfant** 1979;22(2):335–80 (Fre)

[Research and teaching program in psychoanalytic therapy: 2––The supervision process: the 3d party] Montgrain N, et al. **Union Med Can** 1980 Apr;109(4):596–8 (Eng. Abstr.) (Fre)

[Relation of pharmacotherapy, regulation of life situations and analytically–oriented psychotherapy in schizophrenic psychoses under the conditions of an ambulatory psychiatric practice] Schmidt P. **Agressologie** 1980; 21(A):27–9 (Eng. Abstr.) (Ger)

[Psychotherapeutic consequences of structural psychopathology; structural understanding and being understood (author's transl)] Krebs W, et al. **Psychother Psychosom Med Psychol** 1980 Sep;30(5):227–31 (Eng. Abstr.) (Ger)

[Reflections on the integration of treatment courses based on learning theory and dept psychology (author's transl)] Schiffer E, et al. **Psychother Psychosom Med Psychol** 1980 May;30(3):113–20 (Eng. Abstr.) (Ger)

[Critical considerations on psychoanalysis, in relation to its possible introduction in the National Health Service] Massone A. **Minerva Med** 1980 Nov 30;71(48):3537–46 (Eng. Abstr.) (Ita)

[Transference in analytic group therapy. Clinical experiences and theoretical considerations] Conforto C, et al. **Minerva Psichiatr** 1979 Jul–Sep;20(3):191–9 (Eng. Abstr.) (Ita)

ECONOMICS

The extension of credit to patients in psychoanalysis and psychotherapy. Hofling CK, et al. **Bull Menninger Clin** 1980 Jul;44(4):327–44

[The presence of a third party in psychoanalysis. The problem of outside financing] Cremerius J. **Psyche (Stuttg)** 1981 Jan; 35(1):1–41 (Eng. Abstr.) (Ger)

[Psychoanalysis as a part of social health insurance. An attitude picture from the year 1974] Rosenkötter L, et al. **Psyche (Stuttg)** 1981 Jan;35(1):42–8 (Ger)

EDUCATION

Psychoanalytic concepts and inpatient settings [letter] Moldawsky R. **Am J Psychiatry** 1980 Nov;137(11):1473–4

The use of the countertransference in psychotherapy supervision. Hunt W. **J Am Acad Psychoanal** 1981 Jul; 9(3):361–73

METHODS

Opportunities in adolescence to rectify developmental failures. Berlin IN. **Adolesc Psychiatry** 1980;8:231–43

On reconstruction in adolescent analysis. Laufer M. **Adolesc Psychiatry** 1980;8:460–8

Psychoanalytic group therapy in clinic and private practice. Day M. **Am J Psychiatry** 1981 Jan;138(1):64–9

A psychoanalytic approach to a therapeutic impasse with an impulsive adolescent: permission to speak the unspeakable. Hoffer A, et al. **Am J Psychiatry** 1980 Nov; 137(11):1404–9

Principles and practice of conjoint psychoanalytic treatment. Ormont LR. **Am J Psychiatry** 1981 Jan;138(1):69–73

Introduction: three perspectives on psychoanalytic group therapy. Rice CA. **Am J Psychiatry** 1981 Jan;138(1):63–4

The stress of self–realization. Symonds A. **Am J Psychoanal** 1980 Winter;40(4):293–300

Brief psychoanalytic psychotherapy of nonpsychotic depression. Bellak L. **Am J Psychother** 1981 Apr; 35(2):160–72

Nonverbal components of the interpretive process in psychoanalytic psychotherapy. Karpf RJ. **Am J Psychother** 1980 Oct;34(4):477–86

Integrating psychoanalytic and behavior therapy. Apfelbaum B. **Am Psychol** 1981 Jul;36(7):796–7

Misrepresentation of behavior therapy by psychoanalysts. Ellis A. **Am Psychol** 1981 Jul;36(7):798–9

What about the question of integration? A reply to Apfelbaum and to Ellis. Messer SB, et al. **Am Psychol** 1981 Jul;36(7):800–2

Some limits to the integration of psychoanalytic and behavior therapy. Messer SB, et al. **Am Psychol** 1980 Sep; 35(9):818–27

Units of observation and perspectives on the psychoanalytic process. Bachrach H, et al. **Br J Med Psychol** 1981 Mar; 54(Pt 1):25–33

Pregnancy as a transference stimulus. Clarkson SE. **Br J Med Psychol** 1980 Dec;53(4):313–7

Active development of the positive introject in severely disturbed patients. Donnelly C. **Br J Med Psychol** 1980 Dec;53(4):307–12

The sibling and psychotherapy: a review with clinical examples. Holmes J. **Br J Med Psychol** 1980 Dec; 53(4):297–305

Some thoughts concerning the clinical use of children's dreams. Ekstein R. **Bull Menninger Clin** 1981 Mar; 45(2):115–24

The trickster: the use of folklore in psychoanalytic psychotherapy. Hamilton NG. **Bull Menninger Clin** 1980 Jul;44(4):364–80

Transference and countertransference in the analysis of developmental arrests. Stolorow RD, et al. **Bull Menninger Clin** 1981 Jan;45(1):20–8

Contributions to the theory and practice of short–term dynamic psychotherapy. Winokur M, et al. **Bull Menninger Clin** 1981 Mar;45(2):125–42

A case of lyssophobia [letter] Philippopoulos GS. **Can J Psychiatry** 1981 Feb;26(1):81–2

Psychic structure, psychic illness and psychotherapy in Plato and Freud. Arvanitakis KI. **Confin Psychiatr** 1980; 23(3):164–72

Psychopathology of expression and psychoanalysis. The influence of the therapist's analytic orientation on the patient's art product. Jakab I. **Confin Psychiatr** 1980; 23(4):209–22

The frame of reference of group psychotherapy. Pines M. **Int J Group Psychother** 1981 Jul;31(3):275–85

Mirroring in the analysis of an artist. Browne ND. **Int J Psychoanal** 1980;61(Pt 4):493–503

A Theoretical and technical approach to narcissistic disturbance. Kinston W. **Int J Psychoanal** 1980; 61(3):383–94

Origins, elements, and functions of therapeutic empathy. Post SL. **Int J Psychoanal** 1980;61(3):277–93

A verbal group technique for ego–disturbed children: action to words. Blotcky MJ, et al. **Int J Psychoanal Psychother** 1980–81;8:203–32

Postanalytic encounters. Borenstein DB, et al. **Int J Psychoanal Psychother** 1980–81;8:151–64

Developmental perspectives on the bipersonal field. Burland JA. **Int J Psychoanal Psychother** 1980–81;8:35–43

Reply to Dr. Frank;s discussion of 'Introjection and the idealizing transference'. Dorpat TL. **Int J Psychoanal Psychother** 1980–81;8:689–92

Primitive defenses: cognitive aspects and therapeutic handling. Elmhirst SI. **Int J Psychoanal Psychother** 1980–81;8:685–8

The analysis of transference: a critique of Fenichel's Problems of psychoanalytic technique. Gill M. **Int J Psychoanal Psychother** 1980–81;8:45–56

The use of psychoanalytic concepts in crisis intervention. Glick RA, et al. **Int J Psychoanal Psychother** 1980–81; 8:171–88

Self psychology and the distinctiveness of psychotherapy. Goldberg A. **Int J Psychoanal Psychother** 1980–81;8:57–70

Primitive defenses: cognitive aspects and therapeutic handling. Groh LS. **Int J Psychoanal Psychother** 1980–81; 8:661–83

A note on expiation as a defense. Joseph B. **Int J Psychoanal Psychother** 1980–81;8:571–2

Some clinical manifestations of structural defects in a borderline personality. Krohn A. **Int J Psychoanal Psychother** 1980–81;8:337–62

Truth therapy/lie therapy. Langs R. **Int J Psychoanal Psychother** 1980–81;8:3–34

On blame. Lansky MR. **Int J Psychoanal Psychother** 1980–81; 8:429–56

The uncovering of projective identification in the treatment of the borderline adolescent. Levy J, et al. **Int J Psychoanal Psychother** 1980–81;8:137–49

Complementarity between the styles of the patient's material and the interpretation. Liberman D. **Int J Psychoanal Psychother** 1980–81;8:125–36

Clinical application of the concept of a cohesive sense of self. Lichtenberg JD. **Int J Psychoanal Psychother** 1980–81; 8:85–114

Toward a further definition of psychoanalytic psychotherapy. London NJ. **Int J Psychoanal Psychother** 1980–81;8:71–84

Expiation as a defense. Malcolm RR. **Int J Psychoanal Psychother** 1980–81;8:549–70

What did the therapists say? What did the therapists do? Meeks JE. **Int J Psychoanal Psychother** 1980–81;8:233–41

Addiction and paranoid process: psychoanalytic perspectives. Meissner WW. **Int J Psychoanal Psychother** 1980–81; 8:273–310

The psychodynamics of a beating fantasy. Myers WA. **Int J Psychoanal Psychother** 1980–81;8:623–47

Transferences as differential diagnostic tools in psychoanalysis. Orstein A. **Int J Psychoanal Psychother** 1980–81;8:115–23

Interminably a patient. O'Shaughnessy E. **Int J Psychoanal Psychother** 1980–81;8:573–6

Some comments on the treatment of the borderline personality. Petty TA. **Int J Psychoanal Psychother** 1980–81;8:363–74

Some notes on the postanalytic phase. Rangell L. **Int J Psychoanal Psychother** 1980–81;8:165–70

On the creative process and the human capacity to construe. Schlesinger K. **Int J Psychoanal Psychother** 1980–81; 8:483–500

Crisis intervention and psychoanalysis: compatible or antagonistic? Talbott JA. **Int J Psychoanal Psychother** 1980–81;8:189–201

Collusive blaming: a commentary. Wynne LC. **Int J Psychoanal Psychother** 1980–81;8:457–60

Ethnography and psychoanalysis: comparative ways of knowing. Brody EB, et al. **J Am Acad Psychoanal** 1981 Jan;9(1):17–32

Psychoanalytic perspectives on the 'more disturbed' adolescent. **J Am Psychoanal Assoc** 1981;29(1):161–75
Some current and recurrent problems of psychoanalytic technique. Blum HP. **J Am Psychoanal Assoc** 1981; 29(1):47–68
Reconstruction: its nature and therapeutic value. Greenacre P. **J Am Psychoanal Assoc** 1981;29(1):27–46
Analysis of a five-and-a-half-year-old girl: indications for a dyadicphallic phase of development. Greenspan SI. **J Am Psychoanal Assoc** 1980;28(3):575–603
Freud's 'analytic pact': the standard therapeutic alliance. Kanzer M. **J Am Psychoanal Assoc** 1981;29(1):69–87
The bipolar self in the psychoanalytic treatment process: clinical–theoretical considerations. Ornstein PH. **J Am Psychoanal Assoc** 1981;29(2):353–75
Notes on the noninterpretive elements in the psychoanalytic situation and process. Stone L. **J Am Psychoanal Assoc** 1981;29(1):89–118
The bipolar self: discussion of alternative perspectives. Wallerstein RS. **J Am Psychoanal Assoc** 1981;29(2):377–94
Some clinical consequences of introjection: gaslighting. Calef V, et al. **Psychoanal Q** 1981;50(1):44–66
Parallel worlds. Beck M, et al. **Psychoanal Rev** 1981 Summer; 68(2):243–53
The art of listening: a critique of Robert Langs. Lothane Z. **Psychoanal Rev** 1980 Fall;67(3):353–64
Countertransference reevaluated. Panken S. **Psychoanal Rev** 1981 Spring;68(1):23–44
Induced emotional reactions and attitudes in the psychoanalyst as transference in actuality. Roland A. **Psychoanal Rev** 1981 Spring;68(1):45–74
A writing block treated with modern psychoanalytic interventions. Schuman EP. **Psychoanal Rev** 1981 Spring; 68(1):113–34
The use and misuse of empathy in psychoanalysis and psychotherapy. Szalita AB. **Psychoanal Rev** 1981 Spring; 68(1):3–21
The family and the psychoanalytic process in children. Anthony EJ. **Psychoanal Study Child** 1980;35:3–34
Siblings of twins. Bernstein BA. **Psychoanal Study Child** 1980; 35:135–54
Constructive and reconstructive activities in the analysis of a depressed child. Cohen DJ. **Psychoanal Study Child** 1980; 35:237–66
The Cornerstone treatment of a preschool boy from an extremely impoverished environment. Lopez T, et al. **Psychoanal Study Child** 1980;35:341–75
Asceticism in adolescence and anorexia nervosa. Mogul SL. **Psychoanal Study Child** 1980;35:155–75
Negative therapeutic motivation and negative therapeutic alliance. Novick J. **Psychoanal Study Child** 1980;35:299–320
The gender of the analyst: in relation to transference and countertransference manifestations in prelatency children. Tyson P. **Psychoanal Study Child** 1980;35:321–38
Different models of analytic group psychotherapy. A comparative survey. Verhaest S, et al. **Psychother Psychosom** 1980;34(1):1–10
[The drug addict and psychanalytic treatment (author's transl)] Bergeret J. **Neuropsychiatr Enfance Adolesc** 1980 Jul–Aug;28(7–8):303–9 (Eng. Abstr.) **(Fre)**
[Introduction to brief psychotherapy with a psychoanalytic orientation] Gilliéron E, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 128(2):295–305 (Eng. Abstr.) **(Fre)**
[Psychiatric practice as it appears in the Balint group] Guyotat J. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 128(2):251–61 (Eng. Abstr.) **(Fre)**
[Balint groups in institutions] Drees A. **Fortschr Med** 1980 Oct 23;98(40):1554–8 (Eng. Abstr.) **(Ger)**
[Anorexia nervosa] Schütze G. **Fortschr Med** 1981 May 14; 99(18):693–4 **(Ger)**
[Concepts of psychotherapy (I) (author's transl)] Quint H. **MMW** 1980 Dec 12;122(50):1814–8 (Eng. Abstr.) **(Ger)**
[Psychoanalysis – family therapy – systems theory: critical remarks on the theory of change of paradigm] Buchholz MB. **Prax Kinderpsychol Kinderpsychiatr** 1981 Mar; 30(2):48–55 (Eng. Abstr.) **(Ger)**
[Patients from a cultural poverty milieu] Alston TM. **Psyche (Stuttg)** 1981 Apr;35(4):353–68 (Eng. Abstr.) **(Ger)**
[Psychoanalysis and systems theory – a contradiction? A plea for 'psychoanalytic systems theory'] Ciompi L. **Psyche (Stuttg)** 1981 Jan;35(1):66–86 (Eng. Abstr.) **(Ger)**
[The birth of the psychotherapeutic dialogue. From the autistic prologue and monologue to the interpersonal dialogue and pluralogue] Ekstein R, et al. **Psyche (Stuttg)** 1981 Apr;35(4):319–37 (Eng. Abstr.) **(Ger)**
[The relationship between psychoanalysis and pedagogy] Körner J. **Psyche (Stuttg)** 1980 Sep;34(9):769–89 (Eng. Abstr.) **(Ger)**
[Psychoanalytic self-exploratory groups at the university] Kutter P. **Psyche (Stuttg)** 1981 Feb;35(2):157–62 (Eng. Abstr.) **(Ger)**
['Psichiatria democrazia' and psychoanalysis. The social setting and its significance for psychotherapeutic dialogue] Metzger HG. **Psyche (Stuttg)** 1980 Sep;34(9):825–47 (Eng. Abstr.) **(Ger)**
[Psychopathology and psychoanalytic therapy of several borderline patients] Rosenfeld H. **Psyche (Stuttg)** 1981 Apr; 35(4):338–52 **(Ger)**
[Treatment technic for seriously disturbed psychosomatic patients] Schöttler C. **Psyche (Stuttg)** 1981 Feb;35(2):111–41 (Eng. Abstr.) **(Ger)**
[Configurational frequency analysis. XII. Symptom patterns (transitional syndrome)] Krauth J, et al. **Z Klin Psychol Psychother** 1980;28(4):302–15 (Eng. Abstr.) **(Ger)**
[The influence of the therapist variable 'concreteness' on self exploration and psychophysiological activation in clients] Sorgatz H, et al. **Z Klin Psychol Psychother** 1980; 28(4):328–36 (Eng. Abstr.) **(Ger)**
[Verbal behavior and communication experience of psychosomatic patients in the first psychoanalytic interview in connection with the concept of 'pensée opératoire'] Berger F, et al. **Z Psychosom Med Psychoanal** 1981 Jan–Mar;27(1):45–58 (Eng. Abstr.) **(Ger)**
[Multiple sclerosis – a depressive syndrome? Report on the course of psychotherapy] Caliezi JM. **Z Psychosom Med Psychoanal** 1981 Apr–Jun;27(2):168–79 (Eng. Abstr.) **(Ger)**
[Psychoanalytic process between the Scylla of 'condensation' and the Charybdis of 'systematic acoustic deficit.' Introduction to a research project] Meyer AE. **Z Psychosom Med Psychoanal** 1981 Apr–Jun;27(2):103–16 (Eng. Abstr.) **(Ger)**
[Theory and therapy of psychosomatic disorders] von Rad M. **Z Psychosom Med Psychoanal** 1981 Jan–Mar;27(1):1–20 (Eng. Abstr.) **(Ger)**

TRENDS

The 'empty couch' syndrome. Clamar AJ. **Am J Psychoanal** 1980 Winter;40(4):313–7
[Quo usque tandem? Psychoanalytic aspects in the psychiatric clinic] Elhardt S. **MMW** 1981 May 8;123(19):785–8 **(Ger)**

PSYCHODIDAE see **SANDFLIES**

PSYCHODRAMA

see related
ACTING OUT

Family Life Theatre and youth health services. Boria MC, et al. **Am J Public Health** 1981 Feb;71(2):150–4
'Fluoridation?' A role-playing simulation game for use in schools and colleges. Percival F, et al. **Br Dent J** 1980 Sep 2;149(5):149–50
Role-playing in a rape crisis center. Davenport J 3d, et al. **Health Soc Work** 1980 May;5(2):65–8
Advanced social role-taking and cognitive development in gifted adults. Powell PM. **Int J Aging Hum Dev** 1980; 11(3):177–92
The family-oriented clinical simulation: an interdisciplinary tool for professional growth. Shapiro J, et al. **J Allied Health** 1980 Nov;9(4):253–9
Relationship between contrived in vivo and role-play assertive behavior. Gorecki PR, et al. **J Clin Psychol** 1981 Jan;37(1):104–7
Spatial perspective taking and referential communication skills in the elderly: a training study. Zaks PM, et al. **J Gerontol** 1980 Mar;35(2):217–24
An experience with patient role-playing in psychiatric education. Siris SG, et al. **J Med Educ** 1980 Sep;55(9):797–9
Fluid and rigid boundaries of paranoid and nonparanoid schizophrenics on a role-playing task. Johnson D, et al. **J Pers Assess** 1980 Oct;44(5):523–31
Role playing in VD education. Young M. **J Sch Health** 1981 Aug;51(6):412–4
Greek theater and psychodrama theater. Howard S. **Psychoanal Rev** 1980 Winter;67(4):563–5

METHODS

Psychocinema. A creative psychotherapeutic technique. Materazzi MA. **Confin Psychiatr** 1980;23(2):88–92
[Psychodrama and physical work] Seidel U. **Prax Kinderpsychol Kinderpsychiatr** 1981 Jul;30(5):154–9 (Eng. Abstr.) **(Ger)**

PSYCHOGENETICS see **GENETICS, BEHAVIORAL**

PSYCHOGERIATRICS see **GERIATRIC PSYCHIATRY**

PSYCHOLINGUISTICS

see related
LANGUAGE DEVELOPMENT

Psycholinguists and communication [editorial] **Am Ann Deaf** 1980 Aug;125(5):527–8
Language for change. Foley A, et al. **Aust Fam Physician** 1980 Jun;9(6):416–22
The effect of voice and place among aphasic, nonphasic right-damaged, and normal subjects on a metallinguistic task. Perecman E, et al. **Brain Lang** 1981 Mar;12(2):213–23
Profiles of symbol-reading skills in organic patients. Wapner W, et al. **Brain Lang** 1981 Mar;12(2):303–12
Motoric and linguistic variables among children who stutter: a factor analysis. Riley GD, et al. **J Speech Hear Disord** 1980 Nov;45(4):504–13
Syntactic versus semantic performances of agrammatic Broca's aphasics on tests of constituent-element-ordering. Gallaher AJ. **J Speech Hear Res** 1981 Jun;24(2):217–23
Work association of time-altered auditory and visual stimuli in aphasia. Goldfarb R, et al. **J Speech Hear Res** 1981 Jun; 24(2):233–46
An experimental-clinical analysis of grammatical and behavioral distinctions between verbal auxiliary and copula. Hegde MN. **J Speech Hear Res** 1980 Dec;23(4):864–77
[The origin of human language] **MMW** 1980 Nov 7; 122(45):1566 **(Ger)**
[Investigation methods in clinical interview research (author's transl)] Brähler E. **Psychother Psychosom Med Psychol** 1980 Sep;30(5):206–11 (Eng. Abstr.) **(Ger)**
[Personal pronouns as indicators of interpersonal relations in psychoanalytic group therapy (author's transl)] Cierpka M, et al. **Psychother Psychosom Med Psychol** 1980 Sep; 30(5):212–7 (Eng. Abstr.) **(Ger)**

PSYCHOLOGICAL TESTS

Attempts at applying psychophysiological measures for early detection and treatment of mental illness. Astrup C, et al. **Act Nerv Super (Praha)** 1979 Jul;Suppl 2:378–9
Neuropsychological testing during a transient global amnesia episode and its follow-up. Caffarra P, et al. **Acta Neurol Scand** 1981 Jan;63(1):44–50
Electrophysiological and psychological changes induced by steroid hormones in men and women. Becker D, et al. **Acta Psychiatr Belg** 1980 Sep–Oct;80(5):674–97
Reliability of the AMDP-system. A preliminary report on a multicentre exercise on the reliability of psychopathological assessment. Busch H, et al. **Acta Psychiatr Scand** 1980 Oct;62(4):382–92
The DTES – drug taking evaluation scale. A simple scale for the evaluation of drug taking behaviour. Holsten F, et al. **Acta Psychiatr Scand** 1980 Apr;61(4):275–305
Development of a new inventory assessing memories of parental rearing behaviour. Perris C, et al. **Acta Psychiatr Scand** 1980 Apr;61(4):265–74
A validity test of the reasons for smoking scale. Joffe R, et al. **Addict Behav** 1981;6(1):41–5
Investigation of the norms and concurrent validity for the adaptive behavior inventory for children (ABIC). Kazimour KK, et al. **Am J Ment Defic** 1981 Mar; 85(5):512–20
Extrapolated developmental indices for the Bayley Scales of infant development. Naglieri JA. **Am J Ment Defic** 1981 Mar;85(5):548–50
Relationship of the Southern California Sensory Integration Tests, the Southern California Postrotary Nystagmus Test, and clinical observations accompanying them to evaluations in otolaryngology, ophthalmology, and audiology: two descriptive case studies. Royeen CB, et al. **Am J Occup Ther** 1981 Jul;35(7):443–50
Reliability and stability of the orthodontic Patient Cooperation Scale. Slakter MJ, et al. **Am J Orthod** 1980 Nov;78(5):559–63
The unstated problem in a psychological testing referral. Cohen LJ. **Am J Psychiatry** 1980 Oct;137(10):1173–6
Electrode placement and cognitive change with ECT: male and female response. Miller MJ, et al. **Am J Psychiatry** 1981 Mar;138(3):384–6
Carotid artery disease, carotid endarterectomy, and behavior. Kelly MP, et al. **Arch Neurol** 1980 Dec;37(12):743–8
The Vigilance Scale: an analysis of elicited behavioral responses. von Cramon D, et al. **Arch Psychiatr Nervenkr** 1980;229(1):45–52
Efficient screening for brain dysfunction. Mezzich JE, et al. **Biol Psychiatry** 1980 Apr;15(2):333–7
Predictive accuracy and clinical utility of the Grid Test of Schizophrenic Thought Disorder [letter] Waugh MH. **Br J Psychiatry** 1980 Sep;137:300
Choice of candidates for saturated diving in the light of psychophysiological and psychiatric-neurological examinations. Dolmierski R, et al. **Bull Inst Marit Trop Med Gdynia** 1980;31(3–4):157–64
Psychological testing and the psychiatric resident. Smith WH, et al. **Bull Menninger Clin** 1980 Nov;44(6):647–52
Issues in the supervision of diagnostic testing. Smith WH, et al. **Bull Menninger Clin** 1981 Jan;45(1):55–61
Test–retest and home-clinic characteristics of the Bayley Scales of Infant Development in nine- and fifteen-month-old infants. Horner TM. **Child Dev** 1980 Sep; 51(3):751–8
Prevalence of primary T-wave changes in young men and their relationship to psychological and anthropometric data. Atterhög JH, et al. **Clin Cardiol** 1981 Mar;4(2):91–7
Guaranteed stimulus-processing in the evaluation of memory and learning. Fuld PA. **Cortex** 1980 Aug;16(2):255–71
Heavy drinking may speed up aging [news] **Geriatrics** 1980 Sep;35(9):14
Diagnosing schizophrenia: criteria sets and reality. Lipkowitz MH, et al. **Hosp Community Psychiatry** 1981 May; 32(5):344–5
Factor analysis of the Luria–Nebraska Neuropsychological Battery. I. Motor, rhythm, and tactile scales. Golden CJ, et al. **Int J Neurosci** 1980;11(2):91–9
Factor analysis of the Luria–Nebraska neuropsychological battery. II: Visual, receptive, expressive and reading scales. Golden CJ, et al. **Int J Neurosci** 1980;11(3):227–36
Factor analysis of the Luria–Nebraska Neuropsychological Battery III: Writing, arithmetic, memory, left, and right. Golden CJ, et al. **Int J Neurosci** 1980;11(4):309–15
Neuropsychological deficits in early, middle, and late stage Huntington's disease as measured by the Luria–Nebraska

Neuropsychological Battery. Moses JA Jr, et al. **Int J Neurosci** 1981;14(1-2):95-100

Induced anxiety and stroop Color-Word Test performance: hemispheric processing implications. Newman JP. **Int J Neurosci** 1981;12(1):63-6

Mentally retarded children in Mannheim: an epidemiological, clinical and socio-psychological study. Cloerkes G. **Int J Rehabil Res** 1980;3(4):569-70

Behavior observation scale autism (BOS). Freeman BR, et al. **Int J Rehabil Res** 1980;3(2):254-8

The initial standardization of the Adolescent Behavioral Classification Project Instrument. Dreger RM. **J Abnorm Child Psychol** 1980 Sep;8(3):297-322

A comparison of the reliability and validity of the standard MFF and MFF 20 with learning-disabled children. Loper AB, et al. **J Abnorm Child Psychol** 1980 Sep;8(3):377-84

The Hopkins Symptom Checklist (HSCL)--factors derived from the HSCL-90. Lipman RS, et al. **J Affective Disord** 1979 Mar;1(1):9-24

The Learning Preference Inventory. Rezler AG, et al. **J Allied Health** 1981 Feb;10(1):28-34

The role of psychological tests for differential diagnosis in child psychiatry. Gittelman R. **J Am Acad Child Psychiatry** 1980 Summer;19(3):413-38 (93 ref.)

How valid are the subscales of the Multiscore Depression Inventory? Berndt DJ. **J Clin Psychol** 1981 Jul;37(3):564-70

The use of objectively scorable House-Tree-Person indicators to establish child abuse. Blain GH, et al. **J Clin Psychol** 1981 Jul;37(3):667-73

Comparison of test results obtained with two neuropsychological test batteries. Diamant JJ, et al. **J Clin Psychol** 1981 Apr;37(2):355-8

Description and application of an evaluation scheme for assessment from a decision-making perspective. Howe HE Jr. **J Clin Psychol** 1981 Jan;37(1):110-7

Norms for the revised Hebrew version of the Depression Adjective Check List. Lomranz J, et al. **J Clin Psychol** 1981 Apr;37(2):378-9

Differentiation of schizophrenics with and without brain damage using the Whitaker Index of Schizophrenic Thinking. Puente AE, et al. **J Clin Psychol** 1981 Jul; 37(3):464-6

Validation of individual items of the Depression Adjective Check List (Form E) across three populations. Roth AV, et al. **J Clin Psychol** 1981 Apr;37(2):375-8

Using a battery of tests to predict suicide in a long-term hospital: a quantitative analysis. Smith K. **J Clin Psychol** 1981 Jul;37(3):555-63

The test-retest reliability of the McCarthy Screening Test. Umansky W, et al. **J Clin Psychol** 1981 Jul;37(3):650-4

Split-half and test-retest Hand Test reliabilities for pathological samples. Wagner EE, et al. **J Clin Psychol** 1981 Jul;37(3):589-92

Objective clinical rules for interpreting the Luria-Nebraska Neuropsychological Battery: derivation, effectiveness, and validation. Golden CJ, et al. **J Consult Clin Psychol** 1981 Aug;49(4):616-8

Cross-validation of the Luria-Nebraska Neuropsychological Battery for the presence, lateralization, and localization of brain damage. Golden CJ, et al. **J Consult Clin Psychol** 1981 Aug;49(4):491-507

Cross-validation of an abbreviated form of the Halstead Category Test. Golden CJ, et al. **J Consult Clin Psychol** 1981 Aug;49(4):606-7

The utility of the Wisconsin Card Sorting Test in detecting and localizing frontal lobe lesions. Robinson AL, et al. **J Consult Clin Psychol** 1980 Oct;48(5):605-14

Empirical validation of the Marital Satisfaction Inventory: an actuarial approach. Snyder DK, et al. **J Consult Clin Psychol** 1981 Apr;49(2):262-8

Neuropsychological correlates of academic success among elementary school children. Townes BD, et al. **J Consult Clin Psychol** 1980 Dec;48(6):675-84

Utilizing rating instruments for evaluating behavioral characteristics differentiating elderly patients selected for skilled nursing, intermediate, and psychiatric care. Haddad LB. **J Gerontol** 1981 Sep;36(5):583-5

Competence in independently living older adults: assessment and correlates. North AJ, et al. **J Gerontol** 1981 Sep; 36(5):576-82

Adult age differences in visual search as a function of stimulus mapping and processing load. Plude DJ, et al. **J Gerontol** 1981 Sep;36(5):598-604

An interview technique in assessing retarded children. A comparative study of the reliability of the Children's Handicaps, Behaviour and Skills (HBS) Schedule. Bernsen AH. **J Ment Defic Res** 1980 Sep;24(3):167-79

The place of cooperation in the examination of mental disorder. Shakow D. **J Nerv Ment Dis** 1981 Feb; 169(2):127-37

Diagnosing hysterical conversion reactions in children. Maloney MJ. **J Pediatr** 1980 Dec;97(6):1016-20

Mothers' reports of their low birth weight infants' subsequent development on the Minnesota Child Development Inventory. Eisert DC, et al. **J Pediatr Psychol** 1980 Dec; 5(4):353-64

Child psychosocial competence and its measurement. Mondell S, et al. **J Pediatr Psychol** 1981 Jun;6(2):145-54

A Hebrew version of the Depression Adjective Check Lists. Lomranz J, et al. **J Pers Assess** 1981 Aug;45(4):380-4

The Health Opinion Survey translated into Spanish as a measure of stress for Hispanic cultures. Timmreck TC, et al. **J Psychiatr Nurs** 1981 Jan;19(1):9-13

A checklist for life event research. Cleary PJ. **J Psychosom Res** 1980;24(3-4):199-207

Two promising measures of health education program outcomes and asthmatic children. Green KE, et al. **J Sch Health** 1980 Aug;50(6):332-6

Communication attitudes of women who stutter. Silverman EM. **J Speech Hear Disord** 1980 Nov;45(4):533-9

'Indianism' and the 'Richardson Indian Culturalization Test'. Walker RD, et al. **J Stud Alcohol** 1981 Jan;42(1):163-71

A tool to facilitate mother--infant attachment. Reiser SL. **JOGN Nurs** 1981 Jul-Aug;10(4):294-7

Mechanisms of confabulation. Shapiro BE, et al. **Neurology (NY)** 1981 Sep;31(9):1070-6

Identifying academic aptitude in adolescent children by psychological testing and EEG spectral analysis. Grunau RV, et al. **Neuropsychologia** 1981;19(1):79-86

Deficits of higher cortical functioning in two patients with posterior parietal arteriovenous malformations. Use of the standardized Luria-Nebraska Neuropsychological Battery for pre- and postoperative assessment. Conley FK, et al. **Neurosurgery** 1980 Sep;7(3):230-7

Current neuropsychological approaches in assessment, rehabilitation, and clinical research of central nervous system disorders. Majovski LV, et al. **Neurosurgery** 1980 Aug;7(2):182-6

The predictive validity of a simple two item developmental screening test for three year olds. Silva PA. **NZ Med J** 1981 Jan 28;93(676):39-41

Pediatric Examination of Educational Readiness. Conners CK. **Pediatrics** 1980 Sep;66(3):472-3

The Pediatric Examination of Educational Readiness: validation of an extended observation procedure. Levine MD, et al. **Pediatrics** 1980 Sep;66(3):341-9

Test-retest reliability of Developmental Tests of Visual-Motor Association. Battle J. **Percept Mot Skills** 1981 Jun;52(3):716-8

Validating optimal response modes of learning disabled children. Braggio JT, et al. **Percept Mot Skills** 1980 Dec; 51(3 Pt 2):1335-45

the Charlop-Atwell Scale of Motor Coordination: a quick and easy assessment of young children. Charlop M, et al. **Percept Mot Skills** 1980 Jun;50(3 Pt 2):1291-308

Trail Making scores as a prediction of aggressive behaviour in personality-disordered patients. Gudjonsson GH, et al. **Percept Mot Skills** 1981 Apr;51(2):413-4

Age effects on Trail Making Test performance. Kennedy KJ. **Percept Mot Skills** 1981 Apr;51(2):671-5

McCarthy and WISC-R correlations with WRAT achievement scores. Naglieri JA. **Percept Mot Skills** 1980 Oct;51(2):392-4

Preliminary validation of a set of content analysis scales applicable to verbal samples for measuring the magnitude of psychological states in children. Gottschalk LA, et al. **Psychiatry Res** 1979 Jul;1(1):71-82

Measuring social relationships. The Interview Schedule for Social Interaction. Henderson S, et al. **Psychol Med** 1980 Nov;10(4):723-34

Emotional disturbance in multiple sclerosis patients: validity of the General Health Questionnaire (GHQ). Rabins PV, et al. **Psychol Med** 1981 May;11(2):425-7

WHO collaborative study: assessment of depressive disorders. Sartorius N, et al. **Psychol Med** 1980 Nov;10(4):743-9

An exploration of some reliability results for the Multiscore Depression Inventory. Berndt DJ, et al. **Psychol Rep** 1980 Dec;47(3 Pt 1):823-6

Adolescents' anxiety and intolerance of ambiguity scores as predictors of dropping-out of a study. Raphael D, et al. **Psychol Rep** 1981 Feb;48(1):229-30

[Preliminary note on the psychological and mental status of patients with keratoconus] Besançon G, et al. **Bull Soc Ophtalmol Fr** 1980 Apr-May;80(4-5):441-3 **(Fre)**

[Number connection test. Its value in the diagnosis and monitoring of hepatic encephalopathies] Chevrel B. **Med Chir Dig** 1980;9(4):353-6 **(Fre)**

[The psychiatrist's viewpoint. Subjective post-head injury syndrome] Besançon G, et al. **Rev Otoneuroophtalmol** 1980 Oct-Dec;52(5):400-5 (Eng. Abstr.) **(Fre)**

[The three trees test in public schools] Corboz RJ, et al. **Acta Paedopsychiatr (Basel)** 1980 Sep;46(1-2):83-92 (Eng. Abstr.) **(Ger)**

[A comparison of four symptom lists (author's transl)] Baumann U, et al. **Arch Psychiatr Nervenkr** 1980; 229(2):145-63 (Eng. Abstr.) **(Ger)**

[Drug monitoring: psychological methods (author's transl)] Netter P. **Arzneimittelforsch** 1980;30(8):1179-81 (Eng. Abstr.) **(Ger)**

[Marital conflict in genetic diseases. Attempt at a psychological test objectivization in 48 couples given genetic counseling] Rott HD, et al. **Oeff Gesundheitswes** 1981 Feb;43(2):105-9 **(Ger)**

[Results of the Preschool Embedded Figures Test of 5-year-old German kindergarten students] Deegener G. **Prax Kinderpsychol Kinderpsychiatr** 1981 May-Jun; 30(4):144-50 (Eng. Abstr.) **(Ger)**

[Psychometry in gynecological research (author's transl)] Wenderlein JM. **Praxis** 1981 Mar 24;70(13):554-60 (Eng. Abstr.) **(Ger)**

[Psychological aspects relating to artificial donor insemination (ADI) (author's transl)] Graf U, et al. **Zentralbl Gynaekol** 1980;102(14):774-8 (Eng. Abstr.) **(Ger)**

[Psychogeriatric assessment] Rosin AJ. **Harefuah** 1980 Apr 15;98(8):371-3 **(Heb)**

[Findings on attentive capacity using an new attention test] Castriciano N. **Minerva Psichiatr** 1981 Apr-Jun;22(2):69-74 (Eng. Abstr.) **(Ita)**

[Elements of psychological testing in neuropsychiatric diagnosis] Marchesi GF. **Minerva Psichiatr** 1979 Jan-Mar; 20(1):21-30 (Eng. Abstr.) **(Ita)**

[The unacceptable policy of rejecting candidates for flight training on psychological grounds] Sparvieri F. **Riv Med Aeronaut Spaz** 1979 Jul-Dec;42(3-4):314-6 (Eng. Abstr.) **(Ita)**

[Psychological selection in pilot candidates. Prognostic value of the in-flight administration of the Toulouse-Piérron test] Tricarico A. **Riv Med Aeronaut Spaz** 1979 Jul-Dec; 42(3-4):349-65 (Eng. Abstr.) **(Ita)**

[Combined use of psychological and physical loading tests in the diagnosis of ischemic heart disease] Kvantaliani TG, et al. **Kardiologiia** 1981 Jun;21(6):68-71 (Eng. Abstr.) **(Rus)**

[Psychological repercussions of chronic otitis media] Džinić M, et al. **Vojnosanit Pregl** 1981 Mar-Apr;38(2):85-7 **(Scr)**

[Aggressiveness and manic-depressive psychosis. A study using the Mira y López myokinetic test] Moriñigo Domínguez A. **Actas Luso Esp Neurol Psiquiatr** 1981 Mar-Apr;9(2):125-36 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

A psychosocial screening tool for ambulatory health care clients: a pilot study of validity. Andersen M. **Nurs Res** 1980 Nov-Dec;29(6):347-51

METHODS

Psychiatric examination of law enforcement officer candidates over a 10-year period. Shapiro S. **Compr Psychiatry** 1981 May-Jun;22(3):312-9

The measurement of happiness: development of the Memorial University of Newfoundland Scale of Happiness (MUNSH). Kozma A, et al. **J Gerontol** 1980 Nov; 35(6):906-12

Simplified scaling for life change events. Rahe RH, et al. **J Human Stress** 1980 Dec;6(4):22-7

A left-right identification scale for clinical use. Whitehouse D, et al. **JDBP** 1980 Sep;1(3):118-21

[The psychiatric evaluation of recruits (letter)] Tress W. **Nervenarzt** 1980 Nov;51(11):694 **(Ger)**

[Evaluation of recovery from althesin using psychometric tests] Amato MG. **Minerva Anestesiol** 1980 Mar; 46(3):367-70 (Eng. Abstr.) **(Ita)**

STANDARDS

Standardization of the Bayley Motor Scale of infant development in Yucatan, Mexico. Solomons HC. **Dev Med Child Neurol** 1980 Oct;22(5):580-7

Assessment of individual differences among healthy newborns on the Brazelton scale. Kestermann G. **Early Hum Dev** 1981 Feb;5(1):15-27

PSYCHOLOGICAL THEORY

Recent experiments testing an opponent-process theory of acquired motivation. Solomon RL. **Acta Neurobiol Exp (Warsz)** 1980;40(1):271-89

Protection from extinction by a conditioned inhibitor. Soltysik S, et al. **Acta Neurobiol Exp (Warsz)** 1980; 40(1):291-311

Validating theories of intelligence. Butterfield EC, et al. **Adv Child Dev Behav** 1980;15:95-162 (69 ref.)

Towards a social learning theory of hypnosis: I. Hypnotic suggestibility. Smyth LD. **Am J Clin Hypn** 1981 Jan; 23(3):147-68

Symptom prescription and Ericksonian principles of hypnosis and psychotherapy. Zeig JK. **Am J Clin Hypn** 1980 Jul; 23(1):16-22

Determinism and free will: review of the literature. Furlong FW. **Am J Psychiatry** 1981 Apr;138(4):435-9 (28 ref.)

Some philosophical assumptions of intensive psychotherapy. Chessick RD. **Am J Psychother** 1980 Oct;34(4):496-509

New light on the maturing out hypothesis in opioid dependence. Maddux JF, et al. **Bull Narc** 1980;32(1):15-25

Psychiatric serialism. Abroms GM. **Compr Psychiatry** 1981 Jul-Aug;22(4):372-8

Role satisfaction among psychiatric residents. Skodol AE, et al. **Compr Psychiatry** 1981 Mar-Apr;22(2):174-8

Statistical significance versus theoretical clarification: a comment on the Doane-Jacob and Grounds dispute. Blakar RM. **Fam Process** 1980 Sep;19(3):291-4

Interpreting the lack of future concerns among the elderly. Kulys R, et al. **Int J Aging Hum Dev** 1980;11(2):111-26

Developmental models of adult life: myth or reality. Lacy WB, et al. **Int J Aging Hum Dev** 1980;11(2):89-110

Issues relating to the usage and conceptualization of mental health constructs employed by gerontologists. Stones MJ, et al. **Int J Aging Hum Dev** 1980;11(4):269-81

Letter to the editor on the problem of aggression [letter] Rom P. **Int J Soc Psychiatry** 1981;27(1):63-4

The human agenda: peril and survival. Gorney R. **J Am Acad Psychoanal** 1981 Apr;9(2):185-209

Symposium: cognition, behavior therapy and cognitivism. **J Behav Ther Exp Psychiatry** 1981 Mar;12(1):1–90
Comments about cognitive therapy and behavior therapy. Grossberg JM. **J Behav Ther Exp Psychiatry** 1981 Mar; 12(1):25–33 (31 ref.)
Roots and branches of behavioral and cognitive practice. Phillips LW. **J Behav Ther Exp Psychiatry** 1981 Mar; 12(1):5–17 (76 ref.)
Cognitions: help or hindrance? Ullmann LP. **J Behav Ther Exp Psychiatry** 1981 Mar;12(1):19–23
Principles of perceptual organization and spatial distortion: the gestalt illusions. Coren S, et al. **J Exp Psychol [Hum Percept]** 1980 Aug;6(3):404–12
Life satisfaction and activity theory: a multidimensional approach. Hoyt DR, et al. **J Gerontol** 1980 Nov; 35(6):935–41
Adlerian psychology and cognitive-behavior therapy: convergences. Dowd ET, et al. **J Individ Psychol** 1980 Nov;36(2):119–35
The residency as a developmental process. Brent DA. **J Med Educ** 1981 May;56(5):417–22
Hypnotic susceptibility as related to gestalt closure tasks. Crawford HJ. **J Pers Soc Psychol** 1981 Feb;40(2):376–83
Confrontation in individual psychotherapy. Bromley GE. **J Psychiatr Nurs** 1981 May;19(5):15–8
Emotion-attribution theory: establishing roots and exploring future perspectives. Dienstbier RA. **Nebr Symp Motiv** 1978; 26:237–306 (113 ref.)
Script theory: differential magnification of affects. Tomkins SS. **Nebr Symp Motiv** 1978;26:201–36
New perspectives in temperament/personality research: the 'behavioral' model of the Warsaw group. Mangan GL, et al. **Pavlov J Biol Sci** 1980 Oct–Dec;15(4):159–71
Event-related potentials and psychological theory. Donchin E, et al. **Prog Brain Res** 1980;54:697–715
[Theoretical bases of family therapy (author's transl)] Maziade M. **Neuropsychiatr Enfance Adolesc** 1980 Jun; 28(6):253–8 (Eng. Abstr.) **(Fre)**
[The psychodynamic illness concept in the romantic era - test case for the use of Kuhn's paradigm concept in human knowledge] Trenckmann U, et al. **Z Psychol** 1980; 188(3):331–9 (Eng. Abstr.) **(Ger)**
[Sophrology and phenomenology] Avenia F. **Minerva Med** 1981 May 12;72(19):1217–21 **(Ita)**
[The normal conscience state and the sophronic state of conscience] Tombolini M. **Minerva Med** 1981 May 12; 72(19):1223–5 **(Ita)**
[Neologisms. Communication or noncommunication] Fagiani MB. **Minerva Psichiatr** 1980 Jul–Sep;21(3):327–35 (Eng. Abstr.) **(Ita)**
[Somatization and suicide: 2 models of communication] Fagiani MB, et al. **Minerva Psichiatr** 1980 Jul–Sep; 21(3):313–26 (Eng. Abstr.) **(Ita)**

PSYCHOLOGY

The 1979 Division 27 Award for Distinguished Contributions to Community Psychology and Community Mental Health: Emory L. Cowen. Chinsky JM, et al. **Am J Community Psychol** 1980 Jun;8(3):253–8
Interaction of client class and gender in biasing clinical judgement. Settin JM, et al. **Am J Orthopsychiatry** 1981 Jul;51(3):510–20
Consciousness disciplines: immune to scientific investigation? [letter] Kirsten M. **Am J Psychiatry** 1981 Feb;138(2):260–1
Psychologists' reaction to DSM-III [letter] McReynolds WT. **Am J Psychiatry** 1980 Nov;137(11):1468–9
Coming of age legislatively: in 21 steps. Dörken H. **Am Psychol** 1981 Feb;36(2):165–73
Psychological testing and the psychiatric resident. Smith WH, et al. **Bull Menninger Clin** 1980 Nov;44(6):647–52
handedness in engineering and psychology students. Jones B, et al. **Cortex** 1980 Dec;16(4):621–5
A study of the causes of conflict between psychiatrists and psychologists. Schindler FE, et al. **Hosp Community Psychiatry** 1981 Apr;32(4):263–6
Agent and patient in psychiatry. Toulmin S. **Int J Law Psychiatry** 1980;3(3):267–78
Psychologists' practices related to medication. Bascue LO, et al. **J Clin Psychol** 1980 Jul;36(3):821–5
A new observation regarding the manifest content and possible meaning of dreams. Seely S. **Med Hypotheses** 1980 Oct;6(10):1077–82
[Development of the relationship between psychology and odontology] Brulin F, et al. **Orthod Fr** 1980;51:197–202 **(Fre)**
[Life-span-developmental psychology and gerontology (author's transl)] Lehr U. **Aktuel Gerontol** 1980 Jun; 10(6):257–69 (Eng. Abstr.) **(Ger)**
[Medical psychology] Schmidt LR. **Fortschr Med** 1980 Aug 21;98(30–31):1137–8 **(Ger)**
[Toward an effective humanization of science and medical technology (editorial)] Fernandes B. **Acta Med Port** 1980 Jul–Aug;2(4):265–8 **(Por)**
[Joint work experience of a research institute and public health institutions] Kabanov MM, et al. **Sov Med** 1980; (8):100–3 **(Rus)**

EDUCATION

Unintended consequences of requiring a license to help. Danish SJ, et al. **Am Psychol** 1981 Jan;36(1):13–21
The role of psychoeducation in allied health practice and education. Payton OD, et al. **J Allied Health** 1981 May; 10(2):91–100
The participation of a clinical educator in a family medicine training programme. Fergus DM, et al. **NZ Med J** 1980 Aug 13;92(665):112, 114, 116
[Proposal of a model for the evaluation of priorities in drawing up the medical curriculum in the area of medical psychology and psychiatry] Rodrigues CR, et al. **Educ Med Salud** 1980;14(4):371–84 (Eng. Abstr.) **(Por)**
[Notes on instruction in medical psychology at medical faculties (author's transl)] **Cesk Psychiatr** 1981 Feb; 77(1):17–24 (Eng. Abstr.) **(Slo)**
[Results of a questionnaire survey of various physicians with psychological and sociological training are very scarce] Beck-Friis J, et al. **Lakartidningen** 1981 Feb 4;78(6):466–8 **(Swe)**

HISTORY

Family therapy for the historian?—The case of William James. Feinstein HM. **Fam Process** 1981 Mar;20(1):97–107
Pavlov's legacy to behavioral psychology, physiology, and psychiatry: a program about Pavlov. Gifford GE Jr. **J Hist Behav Sci** 1981 Apr;17(2):236–8
Pavlov's influence on psychology in America. Skinner BF. **J Hist Behav Sci** 1981 Apr;17(2):242–5
Freud translated: an historical and bibliographical note. Meynell GG. **J R Soc Med** 1981 Apr;74(4):306–9
From motivational theory to social cognitive development: twenty-five years of the Nebraska Symposium. Benjamin LT Jr, et al. **Nebr Symp Motiv** 1978;26:ix–xix
Freud, Theodor Lipps, and 'scientific psychology'. Kanzer M. **Psychoanal Q** 1981;50(3):393–410
Analytical psychology: Carl Jung and his circle. Rogers FB. **Trans Stud Coll Physicians Phila** 1980 Dec;2(4):284–8
[Psychological strength and tension according to Pierre Janet] Girard R. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 128(1):33–51 (Eng. Abstr.) **(Fre)**
[The psychodynamic illness concept in the romantic era - test case for the use of Kuhn's paradigm concept in human knowledge] Trenckmann U, et al. **Z Psychol** 1980; 188(3):331–9 (Eng. Abstr.) **(Ger)**
[Comments on the history of neuropsychology (author's transl)] Estévez González A. **Arch Neurobiol (Madr)** 1980 Nov–Dec;43(6):401–20 (Eng. Abstr.) **(Spa)**

TRENDS

Psychology and health care in Cuba. Averasturi LG. **Am Psychol** 1980 Dec;35(12):1090–5
Can we have a fruitful cognitive psychology? Jenkins JJ. **Nebr Symp Motiv** 1980;28:211–38

PSYCHOLOGY, APPLIED

Psychology: its relevance to the practice of physiotherapy. Davis H, et al. **Physiotherapy** 1981 Mar 10;67(3):67–9
The role of applied animal psychology in small animal medicine. Vollmer PJ. **VM SAC** 1980 Jun;75(6):966–70
[Comments on Gemelli's theoretical formulation on aviation psychology] Sparvieri F. **Riv Med Aeronaut Spaz** 1979 Jan–Jun;42(1–2):76–84 (Eng. Abstr.) **(Ita)**

PSYCHOLOGY, CLINICAL

Differences between psychologists ant psychiatrists in the use of DSM-III. Morey LC. **Am J Psychiatry** 1980 Sep; 137(9):1123–4
The contribution of clinical psychology to sports medicine. Yaffé M. **Br J Sports Med** 1981 Mar;15(1):60–3
Patients' rights raises questions for psychology, psychiatry and law. Ziegenfuss JT Jr. **Int J Soc Psychiatry** 1981; 27(1):37–42
Clinicians' judgments of female clients' causal attributions. Compas BE, et al. **J Clin Psychol** 1981 Apr;37(2):456–60
The development of a district community psychology service. Wijesinghe B. **J R Coll Gen Pract** 1981 Feb; 31(223):113–5
Psychologists and psychiatrists [letter] Wiltshire EB. **Med J Aust** 1981 Apr 4;1(7):380
On the role of behaviorism in clinical psychology. Tryon WW, et al. **Pavlov J Biol Sci** 1980 Jan–Mar;15(1):12–20
PA and MD—some parallels with clinical psychology and psychiatry. Stein HF, et al. **Soc Sci Med** 1981 Feb; 15E(1):83–93
[Behavior therapy as compromise—sociological aspects in clinical psychology] Gröschke D. **Z Klin Psychol Psychother** 1980;28(4):316–27 (Eng. Abstr.) **(Ger)**
[Relations between physicians and psychologists working in psychiatric institutions] Bilikiewicz A, et al. **Psychiatr Pol** 1980 Sep–Oct;14(5):527–32 (Eng. Abstr.) **(Pol)**
[Psychology and oncology: an integrated endeavor] Forti CM, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1980 Apr; 35(2):45–7 **(Por)**
[On the article by Rubinshtein, 'Role of the psychologist in psychotherapy' (letter)] **Zh Nevropatol Psikhiatr** 1981; 81(3):454–8 **(Rus)**

EDUCATION

Graduate training in clinical psychology: quality and beyond. Russ SW. **Am Psychol** 1980 Aug;35(8):766–7
Issues in the supervision of diagnostic testing. Smith WH, et al. **Bull Menninger Clin** 1981 Jan;45(1):55–61
Family therapy training in clinical psychology programs. Cooper A, et al. **Fam Process** 1981 Jun;20(2):155–66
Survey of professional education in ethics in clinical psychology internship programs. Newmark CS, et al. **J Clin Psychol** 1981 Jul;37(3):681–3
Survey of training programs in clinical neuropsychology. Sheer DE, et al. **J Clin Psychol** 1980 Oct;36(4):1035–40
Graduate training in clinical psychology: a view from the consumer. Walfish S, et al. **J Clin Psychol** 1980 Oct; 36(4):1040–5
[Teaching of medical psychology and psychiatry to medical students of Laval University in Quebec (author's transl)] Cazejust T. **Neuropsychiatr Enfance Adolesc** 1980 Jun; 28(6):265–70 **(Fre)**

METHODS

Clinical psychology: individual methods. Phillips JS, et al. **Anthropol Anz** 1981;32:405–38 (283 ref.)
On the relation of clinical research to clinical practice: current issues, new directions. Barlow DH. **J Consult Clin Psychol** 1981 Apr;49(2):147–55
Single case experimental design and empirical clinical practice. Hayes SC. **J Consult Clin Psychol** 1981 Apr; 49(2):193–211
Drawing valid inferences from case studies. Kazdin AE. **J Consult Clin Psychol** 1981 Apr;49(2):183–92
Empirical clinical psychology: myth or reality? Kiesler DJ. **J Consult Clin Psychol** 1981 Apr;49(2):212–5
Realistic dependent measures for clinical use. Nelson RO. **J Consult Clin Psychol** 1981 Apr;49(2):168–82
Clinical research, practice, and the crisis of confidence. Strupp HH. **J Consult Clin Psychol** 1981 Apr;49(2):216–9
[The field of activity of the hospital psychologist in paediatrics and in general hospitals (author's transl)] Wienhues J. **Oeff Gesundheitswes** 1980 Oct;42(10):756–60 (Eng. Abstr.) **(Ger)**

TRENDS

Clinical psychology: emergent trends and future applications. Hartman LM. **J Clin Psychol** 1981 Apr;37(2):439–45

PSYCHOLOGY, COMPARATIVE

Comparative psychopharmacology. Lagerspetz KY. **Curr Dev Psychopharmcol** 1981;6:1–43 (182 ref.)

PSYCHOLOGY, CRIMINAL see **CRIMINAL PSYCHOLOGY**

PSYCHOLOGY, EDUCATIONAL

Profile of psychological service providers to hearing-impaired students. Spragins AB, et al. **Am Ann Deaf** 1981 Apr;126(2):94–105
Bias in attributions of positive and negative behavior in children by school psychologists, parents, and teachers. Stevens G. **Percept Mot Skills** 1980 Jun;50(3 Pt 2):1283–90

EDUCATION

Psychologically-educational cycle for young teachers at Faculty of Hygiene of Charles University. Jirásek J. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1980;23(5):677–80

METHODS

[Educational psychology goals with the use of diapositives in the educational planning of continuing medical education] Feigenberg JM, et al. **Z Aerzti Fortbild (Jena)** 1980 Oct 1;74(19):917–20 **(Ger)**

TRENDS

[20 years in a school psychological service in the Spandau district of Berlin] Müller M. **Prax Kinderpsychol Kinderpsychiatr** 1980 Aug–Sep; 29(6):231–41 (Eng. Abstr.) **(Ger)**
[Psychological and pedagogical aspects of the organization of teaching in the Tuberculosis Department of the Medical Institute] Repnitskaia ZD, et al. **Probl Tuberk** 1980 Nov; (11):17–21 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY, EXPERIMENTAL

INSTRUMENTATION

Maze-cum-activity cage with automatic recording system for evaluation of circadian incentive drives in rats. Dhume RA, et al. **Indian J Physiol Pharmacol** 1980 Oct–Dec; 24(4):317–21
A precision drinking device for rats tested with water, etonitazene, and ethanol. Beardsley PM, et al. **Pharmacol Biochem Behav** 1981 Jun;14(6):871–6
A drug dispenser to measure individual drinking in rat colonies. Coambs RB, et al. **Pharmacol Biochem Behav** 1980 Oct;13(4):593–5
An automated method for studying stereotyped gnawing. Moss DE, et al. **Psychopharmacology (Berlin)** 1980; 69(3):267–9
[Semi-automatic measurement of the intensity of aggressive

behavior in mice] Kulikov AV, et al. **Zh Vyssh Nerv Deiat** 1980 Jul–Aug;30(4):868–70 **(Rus)**

METHODS

[Review of the procedural methods of studying the competitive behavior of Rattus norvegicus] Pescetto G, et al. **Riv Neurobiol** 1979 Apr–Jun;25(2):111–35 (78 ref.) (Eng. Abstr.) **(Ita)**

STANDARDS

Regulating psychological experimentation with animals in the United Kingdom. Blackman DE. **Psychopharmacol Bull** 1981 Apr;17(2):84–8

Experimental psychology, animal rights, welfare, and ethics. Fox MW. **Psychopharmacol Bull** 1981 Apr;17(2):80–4

TRENDS

Philosophical problems in psychology and psychiatry. Bebbington PE. **Br J Med Psychol** 1981 Jun;54(Pt 2):93–8

PSYCHOLOGY, INDUSTRIAL

[Results of work psychology research to fulfill occupational medicine goals] Bachmann W, et al. **Z Gesamte Hyg** 1980; 26(8):566–72 (56 ref.) (Eng. Abstr.) **(Ger)**

[Gerontohygienic and psychological aspects of employment in old age] Eitner S, et al. **Z Gesamte Hyg** 1981;27(1):85–8 (Eng. Abstr.) **(Ger)**

[Results of an occupational medicine and occupational psychology study of management personnel] Reimer W, et al. **Z Gesamte Hyg** 1981;27(1):20–7 (Eng. Abstr.) **(Ger)**

[Mental hygiene aspects of adolescents' mastering the trade of electrician] Meshkov VM, et al. **Gig Sanit** 1981 Jan; (1):21–5 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY, MILITARY

Function of male youths during military service. A follow-up study of a youth clientèle. Otto U. **Acta Psychiatr Scand [Suppl]** 1980;Suppl 282:1–60

An exploratory study of stress in marital relationships and life style of missile launch officers. Corwin PA. **J Soc Psychol** 1980 Aug;111(Second half):237–42

Peer influence as a possible referral source for substance abuse treatment. Duda FC. **Milit Med** 1980 Dec; 145(12):829–30

What about the Vietnam veteran? Ewalt JR. **Milit Med** 1981 Mar;146(3):165–7

[Psychological aspects of sport in the armed forces sphere] De Carlo M, et al. **Riv Med Aeronaut Spaz** 1979 Jan–Jun; 42(1–2):23–30 (Eng. Abstr.) **(Ita)**

[Establishment of a general theory in the field of aviation psychology] Sparvieri F. **Riv Med Aeronaut Spaz** 1979 Jul–Dec;42(3–4):317–36 (Eng. Abstr.) **(Ita)**

[Psychoprophylactic work among a ship's crew] Kovalev DKh. **Voen Med Zh** 1980 Nov;(11):48–50 **(Rus)**

PSYCHOLOGY, PASTORAL see **PASTORAL CARE**

PSYCHOLOGY, PHYSIOLOGICAL see **PSYCHOPHYSIOLOGY**

PSYCHOLOGY, SCHIZOPHRENIC see **SCHIZOPHRENIC PSYCHOLOGY**

PSYCHOLOGY, SOCIAL

see related
RACE RELATIONS

Overcrowding effects on the hypothalamo-pituitary axis. Shah PG, et al. **Indian J Exp Biol** 1980 Jun;18(6):565–7

Attitudes towards psycho-social factors in medicine: an appraisal of the ATSIM scale. Streit U. **Med Educ** 1980 Jul;14(4):259–66

PSYCHOMETRICS

Psychometric techniques in environmental research. Valciukas JA, et al. **Environ Res** 1980 Apr;21(2):275–97

Hybrid adaptive procedure for estimation of psychometric functions. Hall JL. **J Acoust Soc Am** 1981 Jun;69(6):1763–9

Psychometric properties of adaptive behavior scales: guidelines for producers and consumers. Berk RA. **Ment Retard** 1980 Feb;18(1):47–9

Methodological considerations in using videotape to establish rater reliability. Goldsmith JW. **Nurs Res** 1981 Mar–Apr; 30(2):124–8

Psychometrics in nursing research: construction of an interpersonal conflict scale. Hoskins CN. **Res Nurs Health** 1981 Jun;4(2):243–9

On the psychometric function for contrast detection. Nachmias J. **Vision Res** 1981;21(2):215–23

PSYCHOMOTOR AGITATION

Traumatic head injury: restlessness and agitation as prognosticators of physical and psychologic improvement in patients. Reyes RL, et al. **Arch Phys Med Rehabil** 1981 Jan;62(1):20–3

CHEMICALLY INDUCED

Disturbed behaviour induced by high-dose antipsychotic drugs [letter] Guirguis WR, et al. **Br Med J** 1980 Aug 30;281(6240):617–8

Thyrotropin-releasing hormone and amphetamine produce different patterns of behavioral excitation in rats. Ervin GN, et al. **Eur J Pharmacol** 1981 Jun 10;72(1):35–43

Agitation, disorientation, and hallucinations in patients on cimetidine: a report of three cases and literature review. Yudofsky SC, et al. **Gen Hosp Psychiatry** 1980 Sep; 2(3):233–6

Amitriptyline side effect [letter] Miles SW. **NZ Med J** 1980 Jul 23;92(664):66–7

[Tipepidine poisoning (letter)] Baggio P, et al. **Minerva Pediatr** 1980 Jun 30;32(12):818 **(Ita)**

[Abnormal somato-psychical reaction due to large dose of pentazocine in ICU (author's transl)] Tsukawaki Y, et al. **Masui** 1980 Aug;29(8):811–5 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Hemichorea-hemiballism and lacunar infarction in the basal ganglia. Kase CS, et al. **Neurology (NY)** 1981 Apr; 31(4):452–5

DRUG THERAPY

A controlled double-blind study of haloperidol versus thioridazine in the treatment of restless mentally subnormal patients. Serum levels and clinical effects. Väisänen K, et al. **Acta Psychiatr Belg** 1979 Nov–Dec;79(6):673–85

The use of haloperidol to control agitation/violence during admission to an alcohol detoxification center. Benforado JM, et al. **Curr Alcohol** 1979;7:331–8

Management of akathisia in a severely retarded adolescent male with help of an anticholinergic drug assay [letter] Harris JC, et al. **Lancet** 1981 Aug 22;2(8243):414

Propranolol in organic agitation [letter] Petrie WM, et al. **Lancet** 1981 Feb 7;1(8215):324

[Case report about central effects of physostigmine (author's transl)] Eckstein KL, et al. **Anaesthesist** 1980 Jul; 29(7):376–8 (Eng. Abstr.) **(Ger)**

[Use of sodium oxybutyrate and diazepam for removing the psychomotor excitation in hepatic coma] Mikhailenko AA, et al. **Anesteziol Reanimatol** 1980 Aug;(4):51–3 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Agitation and heat intolerance in hypothyroidism [letter] Corman LC. **Arch Intern Med** 1981 Jun;141(7):959–60

PSYCHOLOGY

Course of depressive mood and psychomotor activation in endogenous depression. Strian F, et al. **Arch Psychiatr Nervenkr** 1979;227(3):193–206

[Patient tolerance of nursing care affected by tiapride. Tolerance of the patient to tiapride in internal medicine] Choteau P. **Lille Med** 1979 Nov 17;Suppl 1:96–8 **(Fre)**

PSYCHOMOTOR DISORDERS

Ataxia with aniridia of Gillespie: a case report. Lechtenberg R, et al. **Neurology (NY)** 1981 Jan;31(1):95–7

CEREBROSPINAL FLUID

Qualitative cytology of cerebrospinal fluid as an indicator of neonatal brain damage and psychomotor outcome. Dalens B, et al. **Acta Paediatr Scand** 1981 Mar;70(2):161–6

COMPLICATIONS

[2 cases of optic nerve hypoplasia (micropapilla)] Spiritus M, et al. **Bull Soc Belge Ophtalmol** 1979 Feb 17;184:91–8 **(Fre)**

[Psychomotor activity and frontolateral bruxism: myofunctional aspects of the therapy] Graber G. **Dtsch Zahnaerztl Z** 1980 Jun;35(6):592–4 (Eng. Abstr.) **(Ger)**

[Gregg's syndrome in an 11-month-old infant] Marczyńska-Robowska M, et al. **Pediatr Pol** 1980; 55(11):1237–41 **(Pol)**

[Secondary malnutrition: impact of genetic, metabolic and neurological involvement] Lacassie Y, et al. **Rev Chil Pediatr** 1980 Jul–Aug;51(4):257–60 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Changes in manifestation of prenatally acquired lesions. Flehmig I. **J Perinat Med** 1981;9 Suppl 1:99–103

[Diagnostic problems in neuromotor retardation and damage] Rigardetto R, et al. **Minerva Pediatr** 1981 Jul 15; 33(13):617–20 **(Ita)**

[Retardation of psychomotor development in children during the first year of life] Zhurba LT, et al. **Zh Nevropatol Psikhiatr** 1980;80(10):1475–9 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Effects of iodine deficiency on mental and psychomotor abilities. Bleichrodt N, et al. **Am J Phys Anthropol** 1980 Jul;53(1):55–67

[Remote psychomotor disturbances following brain injury---pneumoencephalographic and clinical analysis of 42 cases (author's transl)] Li SJ. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1979; 12(4):201–3 **(Chi)**

[Retardation in depressive states : elaboration of a quantitative rating scale (author's transl)] Jouvent R, et al. **Encephale** 1980;6(1):41–58 (Eng. Abstr.) **(Fre)**

[Psychomotor development of neonates with bacterial meningitis (author's transl)] Verstraeten F, et al. **Neuropsychiatr Enfance Adolesc** 1980 Dec;28(12):547–54 (Eng. Abstr.) **(Fre)**

[Psychomotor deficits in the Brazilian student (editorial)] Matarazzo EB. **Rev Hosp Clin Fac Med Sao Paulo** 1980 Dec;35(6):263–4 **(Por)**

FAMILIAL & GENETIC

Anesthesia for a child with Leigh's syndrome. Ward DS. **Anesthesiology** 1981 Jul;55(1):80–1

Extra dicentric 15 pter leads to q21/22 chromosomes in five unrelated patients with a distinct syndrome of progressive psychomotor retardation, seizures, hyper-reactivity and dermatoglyphic abnormalities. Zannotti M, et al. **J Ment Defic Res** 1980 Dec;24 Pt 4:235–42

[A new case of pentasomy X] Schroeter C, et al. **Helv Paediatr Acta** 1980 Jul;35(3):233–41 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Alexander disease: clinical, electrodiagnostic and radiographic studies. Nagao H, et al. **Neuropediatrics** 1981 Feb;12(1):22–32

PHYSIOPATHOLOGY

[Psychomotor disorder: outcome of synkinesia] Berrondo P. **Bull Soc Ophtalmol Fr** 1980 Jun–Jul;80(6–7):561–4 (Eng. Abstr.) **(Fre)**

[Babinski-Froment's 'physiopathic' syndrome] Papalia A, et al. **Riv Neurobiol** 1979 Apr–Jun;25(2):221–32 (Eng. Abstr.) **(Ita)**

PSYCHOLOGY

[Psychopathology of instrumental functions (author's transl)] Lachal C, et al. **Ann Pediatr (Paris)** 1981 Feb;28(2):107–15 (Eng. Abstr.) **(Fre)**

[The clumsy child (author's transl)] Hafen G. **Ther Umsch** 1981 Apr;38(4):308–16 (Eng. Abstr.) **(Ger)**

REHABILITATION

[What is psychomotor therapy? What are psychomotor disorders?] Gerber D, et al. **Ther Umsch** 1981 Apr; 38(4):367–70 (Eng. Abstr.) **(Ger)**

PSYCHONEUROSES see **NEUROTIC DISORDERS**

PSYCHOPATHIC PERSONALITY see **ANTISOCIAL PERSONALITY DISORDER**

PSYCHOPATHOLOGY

[Analysis on the medical psychology of Campailla and Rosati (author's transl)] Disertori B, et al. **Ann Osp Maria Vittoria Torino** 1979 Jan–Jun;22(1–6):92–8 **(Ita)**

HISTORY

Germ theory, hysteria, and Freud's early work in psychopathology. Carter KC. **Med Hist** 1980 Jul; 24(3):259–74

[Phenomenological psychiatry as formulated by Antoni Kępinski] Jakubik A. **Psychiatr Pol** 1980 Jul–Aug; 14(4):395–401 **(Pol)**

METHODS

[Documentation of psychopathological data in psychopharmacotherapy] Kühne GE, et al. **Agressologie** 1980;21(A):1–5 (Eng. Abstr.) **(Ger)**

TRENDS

[Psychopathology as a science] Glatzel J. **Z Klin Psychol Psychother** 1981 Jan;29(1):67–78 **(Ger)**

PSYCHOPHARMACEUTICALS see **PSYCHOTROPIC DRUGS**

PSYCHOPHARMACOLOGY

see related
PSYCHOTROPIC DRUGS

Collegium Internationale Activitatis Nervosae Superioris. 22d annual psychopharmacological meeting. Jesenik, January 1980. **Act Nerv Super (Praha)** 1980;22(3):153–231

Nursing aspects of psychopharmacology. Summerlin J. **Ala J Med Sci** 1980 Apr;17(2):170–2

Comparative psychopharmacology. Lagerspetz KY. **Curr Dev Psychopharmcol** 1981;6:1–43 (182 ref.)

The psychopharmacology of aggression and social behavior. Symposium of the International Society for Research on Aggression. July 12, 1980, Groningen, The Netherlands.

Pharmacol Biochem Behav 1981;14 Suppl 1:1–124

The role of information exchange in psychopharmacology. Vartanian FE. **Prog Neuropsychopharmacol** 1981;5(2):201–3

Research center reports. Current research activities in India. Bagadia VN. **Psychopharmacol Bull** 1981 Apr;17(2):14–6

Neuropsychopharmacology research in psychiatry at Yale University. Bowers M Jr, et al. **Psychopharmacol Bull** 1981 Apr;17(2):17–39

Department of Health and Human Services regulations affecting psychopharmacology research. Reatig N. **Psychopharmacol Bull** 1981 Apr;17(2):56–65

Authors, reviewers, and editors [editorial] Jacobsen E. **Psychopharmacology (Berlin)** 1980;71(2):111–5

On the use of repeated measures designs in psychopharmacology. Vitaliano PP, et al. **Psychopharmacology (Berlin)** 1981;72(3):247–9

[2d Czechoslovakian Symposium of Psychopharmacology. Smolenice, 28–30 September 1977] **Agressologie** 1980; 21(A):1–69 **(Ger)**

IInd Czechoslovakian Symposium of Psychopharmacology, Smolenice, 28th–30th September 1977. **Agressologie** 1979; 20(D):235–318 **(Mul)**

[Neurophysiological aspects of psychopharmacology (a review of the foreign literature)] Paniushkina SV. **Farmakol Toksikol** 1980 Nov–Dec;43(6):736–40 **(Rus)**

INSTRUMENTATION

A simple system for control of the continuous performance test in psychopharmacological research. Aman MC, et al. **Prog Neuropsychopharmacol** 1980;4(6):621–6

METHODS

Electroretinography (ERG) as a tool of investigation in human psychopharmacology. Electroretinographic changes induced by a combination of carbi–dopa and levo–dopa. Fornaro P, et al. **Acta Neurol (Napoli)** 1980 Aug;35(4):293–9

The use of human observers in psychopharmacological research. Poling A, et al. **Pharmacol Biochem Behav** 1980 Aug;13(2):243–6

The Leeds Sleep Evaluation Questionnaire in psychopharmacological investigations – a review. Parrott AC, et al. **Psychopharmacology (Berlin)** 1980;71(2):173–9 (37 ref.)

TRENDS

Basic principles of geriatric psychopharmacology. Granacher RP Jr. **J Ky Med Assoc** 1981 Jul;79(7):411–20

Psychopharmacotherapy: from the 1950s to the 1980s. Pomara N, et al. **Psychosomatics** 1981 Jun;22(6):526–30

PSYCHOPHYSICS

Influence of chemoreception and psychologic state on food selection. Bartoshuk L. **Int J Obes** 1980;4(4):351–5 (8 ref.)

Recent attempts to link psychophysics with neurophysiology in vision research. Campbell FW. **Trans Ophthalmol Soc UK** 1979;99(3):326–32

[Anti–Cartesianism and psychophysical relations] Wiehl R. **Z Klin Psychol Psychother** 1980;28(3):197–208 (Eng. Abstr.) **(Ger)**

PSYCHOPHYSIOLOGIC DISORDERS

Galactorrhea and the factors behind symptom production [letter] Cohen MR. **Am J Psychiatry** 1980 Oct; 137(10):1277–8

Menstrual disturbance: a psychogenic disorder? Carney MW. **Clin Obstet Gynaecol** 1981 Apr;8(1):103–9

Could it be my nerves? A psychiatric viewpoint. Norton K. **Clin Obstet Gynaecol** 1981 Apr;8(1):133–48

Neurologic symptoms in a depressed woman. A medical–psychiatric case conference. Agle D, et al. **Gen Hosp Psychiatry** 1980 Dec;2(4):318–25

Headache from the depths. **Headache** 1980 Sep;20(5):230–4

Sinus headache: a psychophysiological study. Hamilton JG Jr, et al. **Headache** 1980 Sep;20(5):258–60

Conversion headache. Packard RC. **Headache** 1980 Sep; 20(5):266–8

Emotional vulnerability of the antinociceptive system: relevance in psychosomatic headache. Sicuteri F. **Headache** 1981 May;21(3):113–5

Psychosomatic dermatology. Medansky RS, et al. **Int J Dermatol** 1981 Jan–Feb;20(1):42–3

Parental loss antecedent to childhood diabetes mellitus. Leaverton DR, et al. **J Am Acad Child Psychiatry** 1980 Autumn;19(4):678–89

Dermatopsychosomatics: classification, physiology, and therapeutic approaches. Medansky RS, et al. **J Am Acad Dermatol** 1981 Aug;5(2):125–36 (74 ref.)

Life events stress, subjective appraisal and somatization in hypertension: a pilot study. Myers HF, et al. **J Human Stress** 1981 Jun;7(2):17–27

Allergy (a psychosomatic view). Kumar KM. **J Indian Med Assoc** 1980 Jan 1;74(1):16–7

Etiology of neck and back pain. An automatic myoneuralgia? Sarno JE. **J Nerv Ment Dis** 1981 Jan;169(1):55–9

Psychosomatics and the Third World. Lipowski ZJ, et al. **Papua New Guinea Med J** 1980 Mar;23(1):8–16 (36 ref.)

Psychosomatics of accidents. Parker N. **Papua New Guinea Med J** 1980 Mar;23(1):21–5

Psychosomatics of venereal disease: toward a programme for the 1980S. Pataki–Schweizer KJ, et al. **Papua New Guinea Med J** 1980 Mar;23(1):46–50

Psychosomatics of leprosy. Ree GH. **Papua New Guinea Med J** 1980 Mar;23(1):41–5

Themes of interaction in medical students' Rorschach responses as predictors of midlife health or disease. Graves PL, et al. **Psychosom Med** 1981 Jun;43(3):215–25

Life change and gastric cancer. Lehrer S. **Psychosom Med** 1980 Sep;42(5):499–502

Stress and cancer: the state of the art. Part 1. Bahnson CB. **Psychosomatics** 1980 Dec;21(12):975–81 (49 ref.)

The role of psychosocial factors in the pathogenesis of coronary heart disease. Proceedings of a conference held in Maastricht, March 15–17, 1979. **Psychother Psychosom** 1980;34(2–3):73–223

Psychogenic urinary retention. Bird JR. **Psychother Psychosom** 1980;34(1):45–51

The onset of facial pain. A psychological study. Violon A. **Psychother Psychosom** 1980;34(1):11–16

Vulnerability and resilience in climacteric women. Gerdes LC. **S Afr Med J** 1980 Nov 8;58(19):763–6

Psychogenic purpura (autoerythrocyte sensitization). Hanna WT, et al. **South Med J** 1981 May;74(5):538–42

Unreliability of nocturnal penile tumescence recording and MMPI profiles in assessment of impotence. Marshall P, et al. **Urology** 1981 Feb;17(2):136–9

[Acute psychogenic strabismus in psychosomatic disorders (author's transl)] Rodler H, et al. **Klin Monatsbl Augenheilkd** 1980 Feb;176(2):273–5 (Eng. Abstr.) **(Ger)**

[Psychosomatic problems in urology. Experiences of a practising urologist (author's transl)] Günthert EA. **Urologe [A]** 1980 Jul;19(4):232–5 (Eng. Abstr.) **(Ger)**

[Some aspects of hysteria: a clinical study] Brandonisio A, et al. **Acta Neurol [Quad] (Napoli)** 1979;39:24–9 (Eng. Abstr.) **(Ita)**

[Psychosomatic aspects of pathology of the liver and bile ducts. Introduction: From anxiety to the lesion] Messini P. **Clin Ter** 1981 May 31;97(4):349–75 (76 ref.) **(Ita)**

[Etiopathogenetic relevance of psychological factors in essential arterial hypertension. General considerations] Russo P, et al. **Minerva Psichiatr** 1979 Jan–Mar;20(1):65–8 **(Ita)**

[Psychogenic megacolon: report of two cases (author's transl)] Hashimoto S, et al. **Rinsho Hoshasen** 1980 Oct; 25(11):1231–4 (Eng. Abstr.) **(Jpn)**

[Clinical session of the Brazilian Institute of Studies and Research of Gastroenterology (clinical conference)] **Arq Gastroenterol** 1980 Oct–Dec;17(4):232–8 **(Por)**

[Psychosomatic aspects of gastric ulcer] Triandaf I, et al. **Rev Med Chir Soc Med Nat Iasi** 1980 Apr–Jun;84(2):217–9 (Eng. Abstr.) **(Rum)**

[Neurological aspects of cerebral and metabolic–alimentary obesity] Voznesenskaia TG. **Sov Med** 1981;(2):37–41 (Eng. Abstr.) **(Rus)**

[Definition of what is accepted as 'organic' digestive disease and 'functional' digestive disease] León–Barúa R. **Arq Gastroenterol** 1980 Jul–Sep;17(3):161–6 (Eng. Abstr.) **(Spa)**

BLOOD

The psychogenic purpuras: a review of autoerythrocyte sensitization, autosensitization to DNA, 'hysterical' and factitial bleeding, and the religious stigmata. Ratnoff OD. **Semin Hematol** 1980 Jul;17(3):192–213 (129 ref.)

CLASSIFICATION

Headache associated with psychiatric disorders: classification and etiology. Weatherhead AD. **Psychosomatics** 1980 Oct; 21(10):832–3, 839–40

COMPLICATIONS

Institutionalism and 'psychosomatic' diseases. Liberakis EA. **Int J Psychiatry Med** 1980–81;10(4):355–60

Restricted lees screen fields in patients with asthenopia, with and without psychogenic disorders. Smith DR. **Ophthalmology (Rochester)** 1979 Dec;86(12):2126–33

[Cancer: a psychosomatic disease?] Veilleux F, et al. **Union Med Can** 1981 Feb;110(2):159–69 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Somatic complaints — harbinger of depression in primary care. Cadoret RJ, et al. **J Affective Disord** 1980 Mar; 2(1):61–70

Relationship of depression to physical and psychologic complaints in the widowed elderly. Elkowitz EB, et al. **J Am Geriatr Soc** 1980 Nov;28(11):507–10

Psychogenic etiology of a conjugate gaze disorder. London R, et al. **J Am Optom Assoc** 1981 Apr;52(4):355–6

The clinical social science conference in biopsychosocial teaching. Smilkstein G, et al. **J Fam Pract** 1981 Feb; 12(2):347–53

The so–called masked depression. Pöldinger W. **Przegl Lek** 1980;37(7):534–46 **(Eng, Pol)**

Theoretical and technical problems in the measurement of nocturnal penile tumescence for the differential diagnosis of impotence. Wasserman MD, et al. **Psychosom Med** 1980 Nov;42(6):575–85

Classifying psychosomatic disorders in DSM–III [editorial] Looney JG, et al. **Psychosomatics** 1981 Jan;22(1):6–8

Pseudoseizures: recognition and treatment. Massey EW, et al. **Psychosomatics** 1980 Dec;21(12):987–91, 996–7

Why some people become ill. Bock OA. **S Afr Med J** 1980 Nov 8;58(19):775–9

[Depression, somatization, suicide. Part 2: Masked depression, suicide] Hertrich O. **Fortschr Med** 1981 Jul 2;99(25):973–7 **(Ger)**

[Psychosomatic aspects of expert judgement in gastro–intestinal disease (author's transl)] Freyberger H, et al. **Leber Magen Darm** 1980 Jun;10(3):152–3 (Eng. Abstr.) **(Ger)**

[The outpatient clinic and psychosomatic medicine] Klussmann R, et al. **MMW** 1980 Nov 28;122(48):1739–40 **(Ger)**

[Psychosomatic diagnosis: a practical beginning] Apley J. **Paediatr Paedol** 1980;15(2):91–9 **(Ger)**

[The psychic dimension in general medicine (author's transl)] Trenkel A. **Ther Umsch** 1980 Jan;37(1):53–7 (Eng. Abstr.) **(Ger)**

[Neuro–psychiatric aspects of gastrointestinal disease (author's transl)] Reisner H. **Wien Klin Wochenschr** 1981 May 15;93(10):311–4 (Eng. Abstr.) **(Ger)**

[Documentation of psychosomatic and neurotic disorders (experience with the Heidelburg Symptom Diagnosis Register PSM–HD)] Bräutigam W. **Z Psychosom Med Psychoanal** 1980 Oct–Dec;26(4):301–15 (Eng. Abstr.) **(Ger)**

[Psychosomatic parameters in urolithiasis and their relation to sex and type of calculus—study using a modified complaint questionnaire] Schneider HJ, et al. **Z Urol Nephrol** 1980;73(7):523–30 (Eng. Abstr.) **(Ger)**

[Differential diagnosis of diabetes insipidus and psychogenic polydipsia] Saito S, et al. **Nippon Rinsho** 1980 Aug; 38(8):2929–35 **(Jpn)**

[Case of depressive syndrome masked by pruritus] Kopel A, et al. **Przegl Dermatol** 1980 Sep–Oct;67(5):631–3 (Eng. Abstr.) **(Pol)**

[Differentiation of psychogenic cardialgias] Topolianskiĭ VD, et al. **Kardiologiia** 1980 Nov;20(11):107–11 **(Rus)**

DRUG THERAPY

[Clinical study of the action of a new molecule, veralipride, on menopausal psychofunctional disorders (author's transl)] Delanian L. **Sem Hop Paris** 1980 Oct 15;56(37–38):1468–70 (Eng. Abstr.) **(Fre)**

[A new therapeutic approach to menopausal sudden flushes and psychofunctional disorders (author's transl)] Quereux C, et al. **Sem Hop Paris** 1980 Oct 15;56(37–38):1453–9 (Eng. Abstr.) **(Fre)**

[Autonomic disorders in general practice. Possibilities of drug therapy with Baldrisedon] Bettermann AA. **ZFA (Stuttgart)** 1981 Feb 10;57(4):288–94 **(Ger)**

[The association of lexotan + propantheline in the treatment of functional gastrointestinal disorders. Controlled clinical study] Riva D, et al. **Arch Sci Med (Torino)** 1980 Jul–Sep; 137(3):461–6 **(Ita)**

[Clinical research on the use of a new benzodiazepine (pinazepam) in gastrointestinal psychosomatic diseases] Bertoncelli V, et al. **Clin Ter** 1980 Sep 30;94(6):641–58 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Undesirable life events and psychophysiological distress: a problem of operational confounding. Thoits PA. **Am Sociol Rev** 1981 Feb;46(1):97–109

Mental and physical health correlates in an immigrant population. Lasry JC, et al. **Can J Psychiatry** 1980 Aug; 25(5):391–3

What is dermatitis artefacta? Fabisch W. **Int J Dermatol** 1981 Jul–Aug;20(6):427–8

A psychopnysiological hypothesis on the aetiology of duodenal ulceration. Levin A, et al. **Med Hypotheses** 1980 Sep;6(9):987–95

Psychic manifestations in 117 young women of Bucharest after March 4, 1977 earthquake. Costa D, et al. **Neurol Psychiatr (Bucur)** 1981 Jan–Mar;19(1):45–51

Determining compensable workplace stressors. Leavitt SS. **Occup Health Saf** 1980 Sep;49(8):38–46

Psychosomatics of cryptococcosis. Andrew B, et al. **Papua New Guinea Med J** 1980 Mar;23(1):51–3

Psychosomatics of malaria. Houghton DL. **Papua New Guinea Med J** 1980 Mar;23(1):26–33

Psychosomatics of tuberculosis. Wigley SC. **Papua New Guinea Med J** 1980 Mar;23(1):34–40

The role of shock predictability during aversive conditioning in producing psychosomatic digitalis toxicity. Natelson BH, et al. **Psychosom Med** 1981 Jun;43(3):191–7

[Comparative transcultural Tunisian–Moroccan study of masked depressions] Ammar S, et al. **Tunis Med** 1980 Jan–Apr;58(1–2):440–3 (Eng. Abstr.) **(Fre)**

[Ovariectomy should not lead to any psychosomatic catastrophe] Simon M. **Med Klin** 1980 Nov 21;75(24):842–3 (6 ref.) **(Ger)**

[Experiences with psychosomatic patients—problems of etiology, perception and truth] Krauth D. **Z Psychosom Med Psychoanal** 1981 Apr–Jun;27(2):117–32 (Eng. Abstr.) **(Ger)**

[Neurological and psychological aspects of patients suffering from syncope] Cardani A, et al. **Riv Neurobiol** 1979

Oct-Dec;25(4):405-19 (Eng. Abstr.) **(Ita)**

[The fear level in patients with acid--peptic ulcer of stomach and duodenum (author's transl)] Sedlak K. **Przegl Lek** 1980; 37(6):519-21 (Eng. Abstr.) **(Pol)**

[Emotional disorders and psychopathological reactions caused by stressful situations, and their role in the pathogenesis of various allergic diseases] Czubalski K. **Psychiatr Pol** 1980 Nov-Dec;14(6):605-11 (Eng. Abstr.) **(Pol)**

[Clinical and psychodynamic analysis of an unusual case of functional dysuria] Madej A, et al. **Wiad Lek** 1980 Jul 15; 33(14):1167-70 (Eng. Abstr.) **(Pol)**

[Mental disease and anti-psychiatry (author's transl)] Peña y Lillo S. **Rev Med Chil** 1981 Jan;109(1):63-7 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

[Influence of family factors on the epidemiology of appendectomy (author's transl)] Hilpert H. **Nervenarzt** 1980 Jul;51(7):417-22 **(Ger)**

HISTORY

The role of imagination in the disease process: post-Cartesian history. McMahon CE, et al. **J Behav Med** 1980 Jun; 3(2):205-17

IMMUNOLOGY

Presidential address--1980. Psychosomatic and psychoimmunologic research. Ader R. **Psychosom Med** 1980 May;42(3):307-21

NURSING

How to work with a crock. Whitney FW. **Am J Nurs** 1981 Jan;81(1):87-91

OCCURRENCE

Ad lib caffeine consumption, symptoms of caffeinism, and academic performance. Gilliland K, et al. **Am J Psychiatry** 1981 Apr;138(4):512-4

Psychosomatic problems in the People's Republic of China. Krcek-Frank R. **J Psychiatr Nurs** 1980 Dec;18(12):15-8

Social and psychological correlates of menopausal symptoms. Polit DF, et al. **Psychosom Med** 1980 May;42(3):335-45

I11-defined somatic symptoms in a South Indian rural clinic. Some preliminary clinical observations. Keshavan MS, et al. **Trop Geogr Med** 1980 Jun;32(2):163-8

[Functional disorders in adolescence] Mäenpää J, et al. **Duodecim** 1980;96(21):1408-15 (Eng. Abstr.) **(Fin)**

PHYSIOPATHOLOGY

Functional efficiency of the central nervous system and development of psychosomatic disorders. Zikmund V. **Act Nerv Super (Praha)** 1979 Jul;Suppl 2:392-3

[Case of unusually strong sympathetic nervous system reactions caused by fear of surgery for senile cataract] Miłkowski S. **Wiad Lek** 1980 Dec 15;33(24):1999-2002 (Eng. Abstr.) **(Pol)**

[Psychosomatic interrelationships and their clinical significance in patients with cardiac type neurocirculatory dystonia] Volkov VS, et al. **Sov Med** 1980;(11):9-15 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Approaches to altering the type A behavior pattern. Thoresen CE, et al. **Psychosomatics** 1981 Jun;22(6):472-82

[Current medicine, the other side of the coin] Aulbers BJ. **Ned Tijdschr Geneeskd** 1981 Jan 3;125(1):2-4 **(Dut)**

PSYCHOLOGY

Cerebrovisceral aspects of essential hypertension and the effects of a definite stress sensitivity in hypertensives on biochemical and haemodynamic functional mechanisms. Baumann R, et al. **Act Nerv Super (Praha)** 1979 Jul;Suppl 2:398-9

Personality and psychosomatic diseases. Eysenck HJ. **Act Nerv Super (Praha)** 1981 Jun;23(2):112-29 (55 ref.)

Reflection of organism-environment-interaction in cerebro-visceral processes and its modification by means of complex psychotherapy. Katzenstein A, et al. **Act Nerv Super (Praha)** 1979 Jul;Suppl 2:387-9

Reaction formation and over-control in enuresis. Juni S. **Am J Psychoanal** 1980 Fall;40(3):249-57

Psycho-maintenance in asthma: hospitalization rates and financial impact. Dirks JF, et al. **Br J Med Psychol** 1980 Dec;53(4):349-54

Infertility. A psychiatrist's perspective. Berger DM. **Can J Psychiatry** 1980 Nov;25(7):553-9

Toward integrating psyche and soma: psychoanalysis and neurobiology. Flannery J, et al. **Can J Psychiatry** 1981 Feb; 26(1):15-23

Medical histories of abused delinquents. Shanok SS, et al. **Child Psychiatry Hum Dev** 1981 Summer;11(4):222-31

Liaison psychiatry as therapy. Greenhill MH. **Curr Psychiatr Ther** 1980;19:123-8

A sound mind in a sound body: to what extent do they go together before and after psychotherapy? Luborsky L, et al. **Int J Psychiatry Med** 1980-1981;10(2):123-33

Orientation towards freedom in normals, psychotics and psychosomatic patients. Bachar E, et al. **Isr J Psychiatr Relat Sci** 1981;18(1):57-67

Psychotherapy and psychophysiologic disorders: an integrative approach. Mitchell JC. **J Am Coll Health Assoc** 1981 Feb;29(4):195-6

Psychosomatic group therapy with parents of children with intractable asthma. XI: the Goldey family. Part I. Abramson HA, et al. **J Asthma Res** 1979 Oct;17(1):31-47

Psychosomatic group therapy with parents of children with intractable asthma. XII. The Goldey family. Part II. Abramson HA, et al. **J Asthma Res** 1980 Jan;17(2):81-99

Premorbid psychological factors as related to cancer incidence. Fox BH. **J Behav Med** 1978 Mar;1(1):45-133

Psychosomatic aspects of gout. Murray JB. **J Gen Psychol** 1980 Jul;103(First Half):131-8

Interaction between social variables in stress research. Boyce WT. **J Health Soc Behav** 1981 Jun;22(2):194-5

Health consequences of marital-status change among the elderly: a comparison of cross-sectional and longitudinal analyses. Fenwick R, et al. **J Health Soc Behav** 1981 Jun; 22(2):106-16

Research on the health effects of retirement: an uncertain legacy. Minkler M. **J Health Soc Behav** 1981 Jun; 22(2):117-30

On the laterality of psychogenic somatic symptoms. Axelrod S, et al. **J Nerv Ment Dis** 1980 Sep;168(9):517-25

Theme induction of localized somatic tension. Fisher S. **J Nerv Ment Dis** 1980 Dec;168(12):721-31

Life stress, life-styles, depression, and illness in adult women. Stewart AJ, et al. **J Pers Soc Psychol** 1981 Jun;40(6):1063-9

Psychosomatics and pleasure. Proceedings of the twenty-third annual conference of the Society for Psychosomatic Research, London, 19th and 20th November 1979. **J Psychosom Res** 1980;24(5):215-96

Expression of affect and physiological response in psychosomatic patients. Anderson CD. **J Psychosom Res** 1981;25(3):143-9

Subject emotionality and subsequent pylorus ligation-induced or restraint-induced gastric ulcer. Glavin GB, et al. **Pavlov J Biol Sci** 1980 Jul-Sep;15(3):102-5

The parent-child relationship and the development of physical symptoms. Greenberg RP, et al. **Percept Mot Skills** 1980 Aug;51(1):89-90

Type A/B behavior patterns and the reporting of lifetime symptomatology: A = B. Lundberg PK, et al. **Percept Mot Skills** 1981 Apr;51(2):473-4

Relationship between life change and illness in coping versus sensitive persons. Cooley EJ, et al. **Psychol Rep** 1981 Jun; 48(3):711-4

Evidence for a psychological etiology of menstrual disorders: a critical review. Gannon L. **Psychol Rep** 1981 Feb; 48(1):287-94

Psychophysiological aspects of migraine headaches. Murray JB. **Psychol Rep** 1981 Feb;48(1):139-62

Christian Scientists beliefs about the role of suggestion in illness and healing. Nudelman AE. **Psychol Rep** 1980 Oct; 47(2):358

Free association as a biopsychosocial probe. Knapp PH. **Psychosom Med** 1980;42(1 Suppl):197-219

The biopsychosocial model: its future for the internist. Swisher SN. **Psychosom Med** 1980;42(1 Suppl):113-21

The development of an MMPI alexithymia scale. Kleiger JH, et al. **Psychother Psychosom** 1980;34(1):17-24

Traumatic events in dreams of psychosomatic patients. Levitan HL. **Psychother Psychosom** 1980;33(4):226-32

Life events and manifestations of ischemic heart disease. Epidemiological and psychophysiological aspects. Theorell T. **Psychother Psychosom** 1980;34(2-3):135-48 (15 ref.)

[Psychosomatic medicine (author's transl)] Dobiáš J. **Cas Lek Cesk** 1980 Dec 5;119(49):1329-31 (Eng. Abstr.) **(Cze)**

[A psychosomatic attitude toward multiple sclerosis (author's transl)] Hunyadi-Buzás E. **Praxis** 1981 May 5;70(19):866-8 (Eng. Abstr.) **(Fre)**

[Psychosomatics. The soma-psyche relationship] Eggers C. **Acta Paedopsychiatr (Basel)** 1981 May;47(1):5-7 **(Ger)**

[Social consequences of psychic disturbances in the population: a field study on young adults (author's transl)] Binder J, et al. **Arch Psychiatr Nervenkr** 1981;229(4):355-70 (Eng. Abstr.) **(Ger)**

[Depression - somatization - suicide. Part 1: Psychopathological introduction] Hertrich O. **Fortschr Med** 1981 Jun 28;99(23):894-9 **(Ger)**

[Psychogenic deafness - a rare problem in the differential diagnosis of the sudden deafness (author's transl)] Hülse M, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Feb;60(2):53-5 (Eng. Abstr.) **(Ger)**

[Homesickness as a disease factor] Larbig W. **Med Klin** 1981 Jan 16;76(2):36-9 **(Ger)**

[The pruritus of endogenous eczema patients (author's transl)] Bosse K, et al. **MMW** 1981 Jun 12;123(24):1013-6 (Eng. Abstr.) **(Ger)**

[Psychic problems in kidney transplant patients] Broda M, et al. **MMW** 1981 Mar 6;123(10):384-6 **(Ger)**

[The problem patient in dermatological practice. Psychomatic aspects (author's transl)] Maass G. **MMW** 1981 Jun 12;123(24):1001-4 (Eng. Abstr.) **(Ger)**

[Pruritus as a psychic phenomenon (author's transl)] Rechenberger I. **MMW** 1981 Jun 12;123(24):1005-6 (Eng. Abstr.) **(Ger)**

[A note on the problem of alexithymia (author's transl)] Benedetti G. **Nervenarzt** 1980 Sep;51(9):534-41 **(Ger)**

[The general psychosomatic syndrome among industrial workers (author's transl)] Christian P. **Nervenarzt** 1981 Jun; 52(6):321-5 **(Ger)**

[Methodological problems of life event research (author's transl)] Katschnig H. **Nervenarzt** 1980 Jun;51(6):332-43 **(Ger)**

[The role of life events in the pathogenesis of somatic and psychosomatic diseases (author's transl)] Siegrist J. **Nervenarzt** 1980 Jun;51(6):313-20 **(Ger)**

[Psychoanalytic concepts of psychosomatic symptom-formation (author's transl)] von Rad M. **Nervenarzt** 1980 Sep;51(9):512-8 **(Ger)**

[Psychosomatic of acute respiratory-distress from the point of view of family dynamic (author's transl)] Mangold B. **Paediatr Padol** 1981;16(2):243-55 (Eng. Abstr.) **(Ger)**

[The lack of specificity in psychosomatic disorders exemplified by a case of neurodermatitis with a twenty year follow up.] Thomä H. **Psyche (Stuttg)** 1980 Jul; 34(7):589-624 (Eng. Abstr.) **(Ger)**

[Patterns of complaint in a reconvalescent home for mothers and in a psychosomatic hospital (author's transl)] Hermes M, et al. **Rehabilitation (Stuttg)** 1980 Nov;19(4):208-12 (Eng. Abstr.) **(Ger)**

[Effect of repetitive tasks on workers' sense of well-being in the watch industry] Oegerli K. **Soz Praeventivmed** 1980 Dec;25(6):354-8 (Eng. Abstr.) **(Ger)**

[Eating behavior of the gout patient. Psychosomatic reflections on obesity in gout patients] Klussmann R. **Ther Ggw** 1980 Feb;119(2):158-66 **(Ger)**

[Psyche and skin (author's transl)] Cermak T. **Wien Klin Wochenschr** 1980 Sep 26;92(18):641-50 (Eng. Abstr.) **(Ger)**

[The psychosomatic-gynecological outpatients department of the II. Gynecological Clinic of the University of Vienna (author's transl)] Springer-Kremser M. **Wien Med Wochenschr** 1981 May 15;131(9):235-8 (Eng. Abstr.) **(Ger)**

[Personality factors and personality-oriented care of repeatedly ill workers] Gäbler W, et al. **Z Aerztl Fortbild (Jena)** 1981 Jan 15;75(2):81-4 **(Ger)**

[Sample and time invariance of test characteristic values in a symptom list] Stieglitz RD, et al. **Z Exp Angew Psychol** 1980;27(4):631-54 (Eng. Abstr.) **(Ger)**

[Is chronic recurrent urticaria a psychosomatic disease?] Lindemayr H, et al. **Z Hautkr** 1981 Jan 1;56(1):28-40 (Eng. Abstr.) **(Ger)**

[Psychosomatic view of regional enteritis] Gerich L. **Z Klin Psychol Psychother** 1980;28(4):350-69 (Eng. Abstr.) **(Ger)**

[The phenomenology of health and the consequences for the physician] Tellenbach H. **Z Klin Psychol Psychother** 1980; 28(1):57-67 (Eng. Abstr.) **(Ger)**

[Verbal behavior and communication experience of psychosomatic patients in the first psychoanalytic interview in connection with the concept of 'pensée opératoire'] Berger F, et al. **Z Psychosom Med Psychoanal** 1981 Jan-Mar;27(1):45-58 (Eng. Abstr.) **(Ger)**

[Basis disturbances in depressive neuroses and psychosomatic disorders] Ermann M. **Z Psychosom Med Psychoanal** 1980 Oct-Dec;26(4):316-28 (Eng. Abstr.) **(Ger)**

[A psychosomatic theory of allergic sensitization; allergy as a quasi conditioned reaction] Hansen O. **Z Psychosom Med Psychoanal** 1981 Apr-Jun;27(2):143-60 (Eng. Abstr.) **(Ger)**

[Psychogenic polydipsia - suicide as resolution of narcissistic crisis] Klussmann R, et al. **Z Psychosom Med Psychoanal** 1981 Apr-Jun;27(2):161-7 (Eng. Abstr.) **(Ger)**

[Immobilization stress and its significance for psychosomatic medicine] Lamprecht F, et al. **Z Psychosom Med Psychoanal** 1980 Oct-Dec;26(4):329-35 (Eng. Abstr.) **(Ger)**

[The so-called specificity question - the relation between psycho- and somatoneurotic disorders and social factors] Schöneberg HF, et al. **Z Psychosom Med Psychoanal** 1981 Jan-Mar;27(1):21-4 (Eng. Abstr.) **(Ger)**

[Theory and therapy of psychosomatic disorders] von Rad M. **Z Psychosom Med Psychoanal** 1981 Jan-Mar;27(1):1-20 (Eng. Abstr.) **(Ger)**

[Extent of physical and psychic complaints of married couples with sterility (author's transl)] Knorre P. **Zentralbl Gynaekol** 1981;103(11):644-9 **(Ger)**

[Fear from the medical viewpoint] Kuhn H. **ZFA (Stuttgart)** 1981 Mar 20;57(8):584-7 **(Ger)**

[Symbolic expression of psychological disorders in somatic symptoms] Ignácz PL. **Orv Hetil** 1980 Jun 22; 121(25):1517-20 **(Hun)**

[Somatization and suicide: 2 models of communication] Fagiani MB, et al. **Minerva Psichiatr** 1980 Jul-Sep; 21(3):313-26 (Eng. Abstr.) **(Ita)**

[Anxiety and somatic symptoms in neuroses] Fagiani MB, et al. **Minerva Psichiatr** 1980 Jul-Sep;21(3):279-89 (Eng. Abstr.) **(Ita)**

[Effect of psychogenic factors on the course of various diseases treated at an internal disease clinic] Koprianiuk E, et al. **Pol Tyg Lek** 1981 Jan 5;36(1):19-22 (Eng. Abstr.) **(Pol)**

[Relevance of the psychic component in differential diagnosis] Cortesão EL. **Acta Med Port** 1980 Mar-Apr; 2(2):161-7 (Eng. Abstr.) **(Por)**

REHABILITATION

The integration of scientific and traditional healing. A proposed model. Rappaport H, et al. **Am Psychol** 1981 Jul; 36(7):774–81

Development and function of a psychiatric liaison clinic. Kaplan KH. **Psychosomatics** 1981 Jun;22(6):502–12

[Follow-up study methods in psychosomatic patients based on a study of a group of 31 anorexia patients (author's transl)] Deter HC. **Psychother Psychosom Med Psychol** 1981 Mar;31(2):48–52 (Eng. Abstr.) **(Ger)**

[What can we expect from psychotherapy? Present crisis — future development (author's transl)] Moeller ML. **Psychother Psychosom Med Psychol** 1980 Nov;30(6):247–60 (Eng. Abstr.) **(Ger)**

THERAPY

Psychosomatic disorder: a treatment problem more difficult than neurosis? A comparative clinical study of psychosomatic and neurotic patients of the psychiatric policlinic of a general hospital. Salminen JK, et al. **Acta Psychiatr Scand** 1980 July;62(1):1–12

comprehensive therapy of chronic asthma on a psychosomatic unit. Piazza EU. **Adolescence** 1981 Spring; 16(61):139–44

Psychological intervention and reduced medical care utilization: a modest interpretation. Olbrisch ME. **Am Psychol** 1980 Aug;35(8):760–1

On psychological intervention and medical services utilization. Rosen JC, et al. **Am Psychol** 1980 Aug; 35(8):761–2

Non-medical treatments and their outcomes. Part two: Focus on adherents of spiritualism. Finkler K. **Cult Med Psychiatry** 1981 Mar;5(1):65–103

Psychiatric treatment of chronic somitizing patients: a pilot study. Roskin G, et al. **Int J Psychiatry Med** 1980–1981; 10(2):181–8

Fear of breakdown: a clinical example. Winnicott C. **Int J Psychoanal** 1980;61(3):351–7

The physician and the psychosomatic patient. Bressler B. **J Asthma Res** 1979 Oct;17(1):7–11

Biofeedback and relaxation in the treatment of tension headaches: a reply to Belar. Blanchard EB, et al. **J Behav Med** 1980 Sep;3(3):227–32

The clinical social science conference in biopsychosocial teaching. Smilkstein G, et al. **J Fam Pract** 1981 Feb; 12(2):347–53

The treatment of contractures of the hand using self-hypnosis. Spiegel D, et al. **J Hand Surg** 1980 Sep; 5(5):428–32

Recognizing and managing the psychosomatic patient. Vogel BF. **J Iowa Med Soc** 1981 Aug;71(8):331–4

Evaluation of transcutaneous electrical neurostimulation. Richardson RR, et al. **J Psychosom Res** 1980;24(2):79–83

Hypnotherapy in the psychosomatic approach to illness: a review. Wilkinson JB. **J R Soc Med** 1981 Jul;74(7):525–30 (29 ref.)

The biopsychosocial model and primary care. Weiss RJ. **Psychosom Med** 1980;42(1 Suppl):123–30

Psychotherapy for medically ill patients: review and critique of controlled studies. Conte HR, et al. **Psychosomatics** 1981 Apr;22(4):285–90, 297–300, 312, 315 (35 ref.)

Treatment of a psychosomatic ailment in an elderly woman. Garfinkel R. **Psychosomatics** 1980 Dec;21(12):1015–6

Diagnosis and management of persistent psychogenic vomiting. Rosenthal RH, et al. **Psychosomatics** 1980 Sep; 21(9):722–30

Psychosomatic families and the general practitioner. Levenstein S. **S Afr Med J** 1981 Feb 28;59(9):289–91

Considerations in psychosomatic illness. Elbirlik K. **Va Med** 1980 Aug;107(8):561–2

[A draft concept of socio-psychosomatic care and a model of medical psychosomatic inpatient department (author's transl)] Savlik J, et al. **Cas Lek Cesk** 1981 Jul 30; 120(29–30):881–6 (Eng. Abstr.) **(Cze)**

[Treatment of functional colonic diseases and colonic diverticulosis. Comparative effects of bran and Kaologeais using a crossover method] Darnis F, et al. **Med Chir Dig** 1980;9(5):435–7 **(Fre)**

[The physician: the unknown of medical psychology] Schneider PB. **Rev Med Suisse Romande** 1980 Jun; 100(6):545–56 **(Fre)**

[Current medical practice and psychotherapy] Brisset C. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 128(2):271–9 (Eng. Abstr.) **(Fre)**

[The relationship of psychotherapy to medicine and psychiatry] Schneider PB. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 128(2):227–37 (Eng. Abstr.) **(Fre)**

[Balint groups in institutions] Drees A. **Fortschr Med** 1980 Oct 23;98(40):1554–8 (Eng. Abstr.) **(Ger)**

[Therapeutic management of psychosocial and psychosomatic problems of women in menopause] Frick-Bruder V. **Gynaekologe** 1980 Dec;13(4):164–9 **(Ger)**

[Somatic and psychosocial therapy concepts in multiple sclerosis (I)] Busse O, et al. **Med Welt** 1981 Apr 24; 32(17):641–4 contd (0 ref.) **(Ger)**

[Psychotherapy in pediatric practice (in psychosomatic diseases)] Mangold B. **Paediatr Paedol** 1980;15(3):205–11 (Eng. Abstr.) **(Ger)**

[Treatment technic for seriously disturbed psychosomatic patients] Schöttler C. **Psyche (Stuttg)** 1981 Feb;35(2):111–41 (Eng. Abstr.) **(Ger)**

[Controlled examination of an extremely short psychotherapy (15 hours) with guided affective imagery (author's transl)] Wächter HM, et al. **Psychother Psychosom Med Psychol** 1980 Sep; 30(5):193–205 (Eng. Abstr.) **(Ger)**

[The five-step model in positive psychotherapy] Deidenbach H. **ZFA (Stuttgart)** 1981 Apr 20;57(11):806–16 **(Ger)**

[The established general practitioner and the client-centered method] Henning H. **ZFA (Stuttgart)** 1981 May 20; 57(14):1109–11 **(Ger)**

[Autogenic training. Experiences, recommendations, help] Kühling J. **ZFA (Stuttgart)** 1981 Apr 20;57(11):830–8 **(Ger)**

[Positive psychotherapy in medical practice. A new model in the treatment of psychiatric and psychosomatic disorders] Peseschkian N. **ZFA (Stuttgart)** 1981 Apr 20; 57(11):795–805 **(Ger)**

[Significance of psychosocial norms in medical practice. The microtrauma theory] Peseschkian N. **ZFA (Stuttgart)** 1981 Apr 20;57(11):817–29 **(Ger)**

[Psychosomatic treatment of recurrent herpes simplex] Arone di Bertolino R. **Minerva Med** 1981 May 12;72(19):1207–12 (Eng. Abstr.) **(Ita)**

[Experiences in psychosomatic intervention within the hospital framework] Rovera GG, et al. **Minerva Psichiatr** 1981 Jan-Mar;22(1):33–40 (Eng. Abstr.) **(Ita)**

PSYCHOPHYSIOLOGY

Symposium of the Scientific Committee on Applied Psychophysiology and Neurotoxicology [abstracts] **Act Nerv Super (Praha)** 1979 Jul;Suppl 2:426–38

[Continuing Education Course of the Swiss Society for Psychiatry. Biological aspects of psychiatry. Closing remarks] Angst J. **Schweiz Arch Neurol Neurochir Psychiatr** 1979; 125(2):315–8 **(Ger)**

[Biological psychiatry. Report of the Continuing Education Course of the Swiss Society for Psychiatry in Zurich, May 10–11, 1979] **Schweiz Arch Neurol Neurochir Psychiatr** 1979;125(2):187–318 **(Mul)**

[Hormones and the psyche] Pasqualini RQ. **Medicina (B Aires)** 1980 Mar-Apr;40(2):212–5 **(Spa)**

HISTORY

[Continuing Education Course of the Swiss Society for Psychiatry. Biological aspects of psychiatry. Introduction] Miéville C. **Schweiz Arch Neurol Neurochir Psychiatr** 1979; 125(2):187–91 (Eng. Abstr.) **(Ger, Fre)**

[Comments on the history of neuropsychology (author's transl)] Estévez González A. **Arch Neurobiol (Madr)** 1980 Nov-Dec;43(6):401–20 (Eng. Abstr.) **(Spa)**

INSTRUMENTATION

Spontaneous maze ambulation in two mouse strains. Sabolovic D, et al. **Experientia** 1981 Jan 15;37(1):53–4

[Monitoring of motor activity in sleeping subjects. Technical and methodologic aspects] Giannazzo E, et al. **Minerva Psichiatr** 1979 Jul-Sep;20(3):187–9 (Eng. Abstr.) **(Ita)**

[Set of devices for psychophysiological research] Vishniakov AI, et al. **Med Tekh** 1981 Jan-Feb;(1):14–7 (Eng. Abstr.) **(Rus)**

[New device for studying precise motor conditioned reflexes of dogs] Nikitin GI, et al. **Zh Vyssh Nerv Deiat** 1980 Sep-Oct;30(5):1083–6 **(Rus)**

METHODS

Speaking of priorities and reliabilities: a reply to Galler [letter] Carlini EA. **Dev Psychobiol** 1981 May;14(3):293–5

On the theory and measurement of laterality. Eling P. **Neuropsychologia** 1981;19(2):321–4

Repeated measures F tests and psychophysiological research: controlling the number of false positives. Keselman HJ, et al. **Psychophysiology** 1980 Sep;17(5):499–503

[Modified method of training cats using visually controlled signalling] Cherenkova LV, et al. **Zh Vyssh Nerv Deiat** 1980 May-Jun;30(3):615–8 **(Rus)**

[Method of automatic recording of the temporal characteristics of the cerebral electrical self-stimulation response] Zvartau EE, et al. **Zh Vyssh Nerv Deiat** 1980 Jul-Aug;30(4):865–7 **(Rus)**

TRENDS

Behavioral medicine: scope and promise of an emerging field. Brady JP. **Biol Psychiatry** 1981 Apr;16(4):319–32

Yale Conference on Behavioral Medicine: a proposed definition and statement of goals. Schwartz GE, et al. **J Behav Med** 1978 Mar;1(1):3–12

News and developments in behavioral medicine. Weiss SM. **J Behav Med** 1978 Mar;1(1):135–43

[Biological psychiatry] Lipcsey A. **Orv Hetil** 1980 Aug 17; 121(33):1990–2 **(Hun)**

PSYCHOSES see **PSYCHOTIC DISORDERS**

PSYCHOSES, AFFECTIVE see **AFFECTIVE DISORDERS, PSYCHOTIC**

PSYCHOSES, ALCOHOLIC

BLOOD

Haematological changes and state of hydration during delirium tremens and related clinical states. Hemmingsen R, et al. **Acta Psychiatr Scand** 1980 Nov;62(5):511–8

Regional cerebral blood flow during alcohol withdrawal. Berglund M, et al. **Arch Gen Psychiatry** 1981 Mar; 38(3):351–5

CEREBROSPINAL FLUID

Blood-brain barrier selectivity and synaptic turnover during delirium tremens and related clinical states. A study of brain and blood proteins in the cerebrospinal fluid. Jørgensen OS, et al. **Acta Psychiatr Scand** 1980 Apr;61(4):356–64

Cerebrospinal fluid cyclic nucleotides and GABA do not change in alcohol withdrawal. Hawley RJ, et al. **Life Sci** 1981 Jan 19;28(3):295–9

COMPLICATIONS

[Hypokalemia in patients with delirium tremens] Tønnesen E. **Ugeskr Laeger** 1980 Oct 6;142(41):2707–8 (Eng. Abstr.) **(Dan)**

DIAGNOSIS

Alcoholic psychoses in the extreme North area. Korolenko CP, et al. **Bull Inst Marit Trop Med Gdynia** 1980; 31(3-4):215–7

Factor structure of the Michigan Alcoholism Screening Test (MAST) in a psychiatric outpatient population. Zung BJ. **J Clin Psychol** 1980 Oct;36(4):1024–30

Cimetidine toxic reactions masquerading as delirium tremens. Weddington WW JR, et al. **JAMA** 1981 Mar 13; 245(10):1058–9

[Alcohol and nervous system (author's transl)] Reisner H. **Aktuel Gerontol** 1980 Sep;10(9):407–12 (Eng. Abstr.) **(Ger)**

[Alcoholic delirium] Holzbach E. **Med Welt** 1981 Mar 13; 32(11):363–6 **(Ger)**

[Constitutional-somatotopic factors in the clinical picture of alcoholic psychoses and obvious signs of paranoid schizophrenia] Kornetov NA, et al. **Zh Nevropatol Psikhiatr** 1980;80(9):1338–43 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Management of alcohol withdrawal symptoms [letter] **Br Med J [Clin Res]** 1981 Apr 25;282(6273):1398–9

Alcohol withdrawal syndrome: treatment with trazodone. Roccatagliata G, et al. **Int Pharmacopsychiatry** 1980; 15(2):105–10

Physostigmine for treatment of delirium tremens. Powers JS, et al. **J Clin Pharmacol** 1981 Jan;21(1):57–60

Use of injectable lorazepam in alcohol withdrawal. Spencer J. **Med J Aust** 1980 Aug 23;2(4):211–2

Effects of lesion of the locus coeruleus and clonidine treatment on ethanol withdrawal syndrome in rats. Kostowski W, et al. **Pol J Pharmacol Pharm** 1980; 32(5):617–23

Cardiac arrest following chlormethiazole infusion in chronic alcoholics. McInnes GT, et al. **Postgrad Med J** 1980 Oct; 56(660):742–3

[The addiction potential of benzodiazepines. Application of the results of treatment of alcohol withdrawal syndrome] Walters L, et al. **S Afr Med J** 1981 Jan 24;59(4):115–6 (Eng. Abstr.) **(Afr)**

[Magnesium supplementation in the treatment of alcoholics] Op den Velde W, et al. **Ned Tijdschr Geneeskd** 1980 Nov 8;124(45):1914–9 (Eng. Abstr.) **(Dut)**

[Treatment of alcohol withdrawal syndromes with intravenous administration of high dosage diazepam] Gouffier E, et al. **Med Chir Dig** 1980;9(4):361–3 **(Fre)**

[Treatment of delirium tremens by means of intravenous administration of large doses of diazepam (letter)] Gouffier E, et al. **Nouv Presse Med** 1980 Oct 11;9(37):2748 **(Fre)**

[Pharmacotherapy of delirium tremens] Pfolz H. **Agressologie** 1980;21(A):23–5 (Eng. Abstr.) **(Ger)**

[Distraneurin therapy in old age cerebral sclerosis and in alcohol withdrawal syndrome. Possibilities and limitations] Glatt MM. **Fortschr Med** 1980 May 29;98(20):784–6 (Eng. Abstr.) **(Ger)**

[Clinical signs and management of delirium tremens] Athen D, et al. **Internist (Berlin)** 1981 Jan;22(1):43–5 **(Ger)**

[Favorable effect of clonazepam in the treatment of delirium tremens] Chantelau EA, et al. **Med Welt** 1980 Mar 21; 31(12):451–4 **(Ger)**

[Delirium tremens: unsatisfactory treatment results with dehydrobenzperidol (author's transl)] Haas S, et al. **Nervenarzt** 1981 Mar;52(3):181–3 **(Ger)**

[Comparative evaluation of the effectiveness of various methods of treating delirium tremens] Sobcyzk P, et al. **Psychiatr Pol** 1980 Sep-Oct;14(5):481–6 (Eng. Abstr.) **(Pol)**

[Blood lipids and phospholipids of delirium tremens patients in the process of treatment with hemodes] Zinchenko LN, et al. **Zh Nevropatol Psikhiatr** 1981;81(2):89–94 (Eng. Abstr.) **(Rus)**

[Pharmacotherapy of the alcohol withdrawal syndrome (author's transl)] Trucco M. **Rev Med Chil** 1980 Feb; 108(2):139–42 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Delirium tremens: some clinico-chemical features. A study of alanine-aminotransferase, alcaline phosphatase, prothrombine and enolase. Hemmingsen R, et al. **Acta Psychiatr Scand** 1980 Nov;62(5):503-10

Platelet MAO during the alcohol withdrawal syndrome. Alexopoulos GS, et al. **Am J Psychiatry** 1981 Sep; 138(9):1254-5

ETIOLOGY

Stepwise regression analysis of an intensive 1-year study of delirium tremens. Stendig-Lindberg G, et al. **Acta Psychiatr Scand** 1980 Oct;62(4):273-97

FAMILIAL & GENETIC

Evidence of genetic predisposition to alcoholic cirrhosis and psychosis: twin concordances for alcoholism and its biological end points by zygosity among male veterans. Hrubec Z, et al. **Alcoholism (NY)** 1981 Spring;5(2):207-15

[Risk of specific morbidity among the children of alcoholic psychotics. Study of 4,725 probands] De Vanna M, et al. **Minerva Psichiatr** 1979 Jul-Sep;20(3):165-8 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

[Tuberculin sensitivity in various mental disorders] Sisenbaev SK, et al. **Probl Tuberk** 1981 Feb;(2):13-5 (Eng. Abstr.) **(Rus)**

METABOLISM

Magnesium concentrations in blood and cerebrospinal fluid during delirium tremens. Kramp P, et al. **Psychiatry Res** 1979 Oct;1(2):161-71

[Disorders of water-electrolyte balance in delirium tremens] Więznowski J, et al. **Psychiatr Pol** 1980 Jul-Aug; 14(4):413-6 **(Pol)**

OCCURRENCE

Age distribution of patients with delirium tremens in Denmark 1836-1978. Kramp P, et al. **Acta Psychiatr Scand** 1981 Mar;63(3):253-61

[Development of alcoholic diseases and other dependences in the statistics of the Opava Psychiatric Institution (a ten-year retrospective) (author's transl)] Hřebíček S, et al. **Cesk Psychiatr** 1981 Apr;77(2):81-6 (Eng. Abstr.) **(Cze)**

[Several epidemiologic aspects of delirium tremens] Wenzel R, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1980 Oct; 32(10):618-22 (Eng. Abstr.) **(Ger)**

[Clinical pathomorphosis of alcoholic psychoses according to the results of an epidemiologic study] Syreĭshchikov VV. **Zh Nevropatol Psikhiatr** 1981;81(2):78-83 (Eng. Abstr.) **(Rus)**

PATHOLOGY

[Alterations of the psychic equilibrium produced by the abuse of alcohol (author's transl)] Müller C, et al. **Ther Umsch** 1981 May;38(5):463-8 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

The sleep pattern of chronic alcoholics during the alcohol withdrawal period. Kotorii T, et al. **Folia Psychiatr Neurol Jpn** 1980;34(2):89-95

PREVENTION & CONTROL

Tiapridal. Delmeire F. **Acta Psychiatr Belg** 1980 Mar-Apr; 80(2):191-201

[Alcohol withdrawal by tiapride. Respective contribution of the descriptive psychopathology and the quantitative psychopathology (author's transl)] Bobon DP, et al. **Acta Psychiatr Belg** 1980 Mar-Apr;80(2):156-62 (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

Delirium tremens and precipitous behavior. An analysis of two cases. Grumet GW. **Gen Hosp Psychiatry** 1981 Jun; 3(2):135-9

AVLT memory scores as a function of age among general medical, neurologic and alcoholic patients. Query WT, et al. **J Clin Psychol** 1980 Oct;36(4):1009-12

REHABILITATION

Non-drug treatment of alcohol withdrawal. Whitfield CL. **Curr Psychiatr Ther** 1980;19:101-9

THERAPY

Management of alcohol withdrawal symptoms [letter] **Br Med J [Clin Res]** 1981 Mar 7;282(6266):819-20

[Treatment of delirium tremens: results of an integrated pharmaco-psychotherapeutic approach (author's transl)] Anger B, et al. **Nervenarzt** 1980 Aug;51(8):488-92 **(Ger)**

[A catamnestic study of a group of alcoholics for a period of 1 year after discharge from the Trieste Psychiatric Clinic] Poldrugo F, et al. **Minerva Psichiatr** 1980 Oct-Dec; 21(4):381-4 (Eng. Abstr.) **(Ita)**

PSYCHOSES, DRUG see **PSYCHOSES, SUBSTANCE-INDUCED**

PSYCHOSES, ORGANIC see **ORGANIC MENTAL DISORDERS, PSYCHOTIC**

PSYCHOSES, PARANOID see **PARANOID DISORDERS**

PSYCHOSES, PRESENILE see **DEMENTIA, PRESENILE**

PSYCHOSES, SENILE see **DEMENTIA, SENILE**

PSYCHOSES, SUBSTANCE-INDUCED

[Acute psychoses and LSD in adolescents] Braconnier A, et al. **Psychiatr Enfant** 1979;22(2):431-72 **(Fre)**

CHEMICALLY INDUCED

[Hoigné's syndrome] Charvát J. **Cesk Stomatol** 1981 Jan; 81(1):57-61 (Eng. Abstr.) **(Cze)**

DIAGNOSIS

Abuse of antiparkinsonian drugs. Craig DH, et al. **Ann Emerg Med** 1981 Feb;10(2):98-100

LSD 'flashback' as a cause of diagnostic error. Smith JA, et al. **Postgrad Med J** 1980 Jun;56(656):421-2

Anticholinergic psychosis: differential diagnosis and management. Hall RC, et al. **Psychosomatics** 1981 Jul; 22(7):581-3, 587

[Clinical picture of tetraethyl lead poisoning] Jezierska A, et al. **Psychiatr Pol** 1980 Mar-Apr;14(2):133-6 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Cimetidine-induced mental status changes: case report and literature review. Russell WL, et al. **Am J Hosp Pharm** 1980 Dec;37(12):1667-71

Cimetidine-associated toxic psychosis [letter] Evans DL. **Am J Psychiatry** 1981 Sep;138(9):1262

Defining drug-induced supersensitivity [letter] Goetz CG. **Am J Psychiatry** 1980 Aug;137(8):992-3

A political implication of drug-induced supersensitivity [letter] Pitman RK. **Am J Psychiatry** 1980 Aug;137(8):993

A case report of toxic psychosis with low-dose propranolol therapy. Remick RA, et al. **Am J Psychiatry** 1981 Jun; 138(6):850-1

Psychotic reaction caused by proprietary oral diet agents. Schaffer CB, et al. **Am J Psychiatry** 1980 Oct; 137(10):1256-7

Theophylline madness. Wasser WG, et al. **Ann Intern Med** 1981 Aug;95(2):191

Methyl bromide poisoning seen initially as psychosis. Zatuchni J, et al. **Arch Neurol** 1981 Aug;38(8):529-30

Thyroid-induced mania in hypothyroid patients. Josephson AM, et al. **Br J Psychiatry** 1980 Sep;137:222-8

Disturbed behaviour induced by high-dose antipsychotic drugs [letter] Brown S. **Br Med J** 1980 Aug 9;281(6237):453

Miraa (catha edulis) as a cause of psychosis. Dhadphale M, et al. **East Afr Med J** 1981 Feb;58(2):130-5

Toxic psychosis following use of quinacrine. Lindenmayer JP, et al. **J Clin Psychiatry** 1981 Apr;42(4):162-4

Neuroleptic-induced reinnervation sprouting in the central nervous system (a model for the development of tardive dyskinesia and supersensitivity psychosis). Staton RD, et al. **J Clin Psychiatry** 1980 Dec;41(12 Pt 1):427-8

Toxic psychosis after accidental ingestion of dapsone--review and case report. Krishna Murthy K, et al. **Lepr India** 1980 Jul;52(3):443-5

Drugs that cause psychiatric symptoms. **Med Lett Drugs Ther** 1981 Feb 6;23(3):9-12 (43 ref.)

Psychotic reaction in an adult after topical cyclopentolate. Shihab ZM. **Ophthalmologica** 1980;181(3-4):228-30

Chronic phenycyclidine (PCP) abuse: a psychiatric perspective--Part II: Psychosis [proceedings] Fauman BJ, et al. **Psychopharmacol Bull** 1980 Oct;16(4):72-3

Visual hallucinations and psychosis associated with the leaf of the castor oil tree [letter] Hemphill RE. **S Afr Med J** 1981 Jan 24;59(4):96

A case-reference study of neuropsychiatric disorders among workers exposed to solvents in the Danish wood and furniture industry. Olsen J, et al. **Scand J Soc Med [Suppl]** 1980;16:44-9

[Drug-induced dementia (author's transl)] Sternon J. **Rev Med Brux** 1981 Jun;2(6):569-72 (Eng. Abstr.) **(Fre)**

[Cytostatic therapy: neurologic and psychiatric syndromes] Strian F, et al. **Med Klin** 1980 Jun 20;75(13):478-84 (111 ref.) **(Ger)**

[Drug induced psychosis and schizophrenia in youth] Bron B. **Schweiz Arch Neurol Neurochir Psychiatr** 1980; 126(1):179-97 (Eng. Abstr.) **(Ger)**

OCCURRENCE

[Mental disorders among patients of the acute poisoning department] Jezierska A. **Pol Tyg Lek** 1980 Jul 21; 35(29):1095-7 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Stimulant-induced psychosis: an evaluation of animal methods. Segal DS, et al. **Essays Neurochem Neuropharmacol** 1981;5:95-129 (123 ref.)

Phencyclidine revisited [proceedings] Luby ED. **Psychopharmacol Bull** 1980 Oct;16(4):85-6

PSYCHOLOGY

A primate analogue of amphetamine-induced behaviors in humans. Haber S, et al. **Biol Psychiatry** 1981 Feb; 16(2):181-96

The PCP psychosis: prolonged intoxication or drug-precipitated functional illness? Erard R, et al. **J Psychedelic Drugs** 1980 Jul-Dec;12(3-4):235-51

Animal model of psychosis: hallucinatory behaviors in monkeys during the late stage of continuous amphetamine intoxication. Ellison G, et al. **J Psychiatr Res** 1981; 16(1):13-22

Drug induced dementia. Libiger J, et al. **Prog Neuropsychopharmacol** 1980;4(6):561-7

PSYCHOSES, TOXIC see **PSYCHOSES, SUBSTANCE-INDUCED**

PSYCHOSES, TRAUMATIC see **ORGANIC MENTAL DISORDERS, PSYCHOTIC**

PSYCHOSEXUAL DEVELOPMENT

Post-pubertal female psychosexual orientation in incomplete male pseudohermaphroditism type 2 (5 alpha-reductase deficiency). Cantú JM, et al. **Acta Endocrinol (Copenh)** 1980 Jun;94(2):273-9

The changing needs of female adolescents. Ashway JA. **Adolesc Psychiatry** 1980;8:482-98

Narcissistic guardians: developmental aspects of transitional objects, imaginary companions, and career fantasies. Benson RM. **Adolesc Psychiatry** 1980;8:253-64

Opportunities in adolescence to rectify developmental failures. Berlin IN. **Adolesc Psychiatry** 1980;8:231-43

Modifications in the traditional psychoanalytic theory of female adolescent development. Blos P. **Adolesc Psychiatry** 1980;8:8-24

Normal female and male adolescent psychological development: an overview of theory and research. Blotcky MJ, et al. **Adolesc Psychiatry** 1980;8:184-99

The relativity of adolescence: effects of time, place, and persons. Eisenberg L. **Adolesc Psychiatry** 1980;8:25-40

Introduction--vulnerable youth: hope, despair, and renewal. Elson M, et al. **Adolesc Psychiatry** 1980;8:267-9

Adolescent psychopathology and the rapprochement phenomenon. Esman AH. **Adolesc Psychiatry** 1980; 8:320-31

Our anguished youth: baby boom under stress. Hauser PM. **Adolesc Psychiatry** 1980;8:270-80

Discussion--vulnerable youth: hope despair, and renewal. Holzman PS. **Adolesc Psychiatry** 1980;8:309-14

The missing adolescent. Nichtern S. **Adolesc Psychiatry** 1980; 8:54-64

Adolescent developmental issues in marital therapy. Toews J. **Adolesc Psychiatry** 1980;8:244-52

Recent contributions to the theory of female adolescent psychological development. Weissman S, et al. **Adolesc Psychiatry** 1980;8:214-30

Vicissitudes of adolescent development and its relationship to young adulthood. Friend MR. **Can J Psychiatry** 1980 Aug;25(5):377-80

Sexual development, age, and dating: a comparison of biological and social influences upon one set of behaviors. Dornbusch SM, et al. **Child Dev** 1981 Mar;52(1):179-85

Sexual development of children. Bamford FN. **Clin Obstet Gynaecol** 1980 Aug;7(2):193-211 (11 ref.)

Sexual development and body image in the teenager with cancer. Wilbur J. **Front Radiat Ther Oncol** 1979;14:108-14

A verbal group technique for ego-disturbed children: action to words. Blotcky MJ, et al. **Int J Psychoanal Psychother** 1980-81;8:203-32

Preoedipal determinants of a beating fantasy. Galenson E. **Int J Psychoanal Psychother** 1980-81;8:649-52

Development of a child with long-lasting deprivation of oral feeding. Beratis S, et al. **J Am Acad Child Psychiatry** 1981 Winter;20(1):53-64

On the psychology and psychopathology of primal-scene experience. Hoyt MF. **J Am Acad Psychoanal** 1980 Jul; 8(3):311-35

Traditional psychoanalytic characterology reexamined in the light of constitutional and cognitive differences between the sexes. Stone MH. **J Am Acad Psychoanal** 1980 Jul; 8(3):381-401

The preoedipal development of the boy. Galenson E, et al. **J Am Psychoanal Assoc** 1980;28(4):805-26

Analysis of a five-and-a-half-year-old girl: indications for a dyadicphallic phase of development. Greenspan SI. **J Am Psychoanal Assoc** 1980;28(3):575-603

A clinical report of penis envy: its multiple meanings and defensive function. Karme L. **J Am Psychoanal Assoc** 1981; 29(2):427-46

A note on the phallic significance of spitting. Gomberg HL. **Psychoanal Q** 1981;50(1):90-5

Conceptual models and symbol formation during the latency period. Donnellan GJ. **Psychoanal Rev** 1980 Fall; 67(3):291-312 (46 ref.)

The three faces of femininity. Kestenberg JS. **Psychoanal Rev** 1980 Fall;67(3):313-35

Transference and externalization in latency. Furman E. **Psychoanal Study Child** 1980;35:267-84

Asceticism in adolescence and anorexia nervosa. Mogul SL. **Psychoanal Study Child** 1980;35:155-75

The psychosexual histories of adolescent girls and young

women with anorexia nervosa. Beumont PJ, et al. **Psychol Med** 1981 Feb;11(1):131–40

A theory of erotic orientation development. Storms MD. **Psychol Rev** 1981 Jul;88(4):340–53

Prenatal 'female hormone' administration and psychosexual development in human males. Kester P, et al. **Psychoneuroendocrinology** 1980 Dec;5(4):269–85

[Pedophilia] Musaph H. **Ned Tijdschr Geneeskd** 1980 Dec; 124(51):2161–4 **(Dut)**

[Brief psychotherapy for phobic disorders during latency] Flagey D. **Acta Paedopsychiatr (Basel)** 1980 Nov; 46(3):143–51 (Eng. Abstr.) **(Fre)**

[Psychophysiologic aspect of orality in man] Mentré C, et al. **Ann Chir Plast** 1981;26(2):119–20 (Eng. Abstr.) **(Fre)**

[Oralization and other aspects of the primary function of the hand] Corominas J. **Psychiatr Enfant** 1979;22(2):381–430 **(Fre)**

[Analytic therapy in the latency period. A) Therapeutic approach to the latency period] Denis P. **Psychiatr Enfant** 1979;22(2):281–334 **(Fre)**

[Analytic therapy in the latency period. B) Therapy for phobia in girls during the latency period] Diatkine D, et al. **Psychiatr Enfant** 1979;22(2):335–80 **(Fre)**

[Problems and results of an investigation about sexual development and sexual education of blind people (author's transl)] Grassel H, et al. **Aerztl Jugendkd** 1981;72(3):181–8 (Eng. Abstr.) **(Ger)**

[Psychoanalytic psychology of the latency period] Reimer C, et al. **Prax Kinderpsychol Kinderpsychiatr** 1981 Mar; 30(2):33–8 (Eng. Abstr.) **(Ger)**

[Comments on developmental psychology and some reflections on disorders of psychosexual development (author's transl)] Reinelt T. **Wien Klin Wochenschr** 1980 Dec 19;92(24):857–61 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Prenatal sex hormones and the developing brain: effects on psychosexual differentiation and cognitive function. Ehrhardt AA, et al. **Annu Rev Med** 1979;30:417–30 (55 ref.)

PSYCHOSEXUAL DISORDERS

[Sexology in Hungary and some psychiatric problems] Szilárd J, et al. **Orv Hetil** 1980 May 18;121(20):1225–6 **(Hun)**

COMPLICATIONS

Psychopathology in individuals with sexual dysfunction. Derogatis LR, et al. **Am J Psychiatry** 1981 Jun; 138(6):757–63

DIAGNOSIS

An approach to evaluation of sexual problems in the cancer patient. Derogatis LR, et al. **CA** 1981 Jan–Feb;31(1):46–50

[Criteria of relativity of sexual norms] Imieliński K. **Ginekol Pol** 1981 Jan;52(2):205–10 (Eng. Abstr.) **(Pol)**

[Monothematic catathymic delusions in slowly progressive schizophrenia] Dubnitskil LB. **Zh Nevropatol Psikhiatr** 1980;80(8):1179–87 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Effectiveness of maprotiline in neurotic disorders of erection and ejaculation] Baniewicz K. **Psychiatr Pol** 1980 Jul–Aug; 14(4):427–8 **(Pol)**

ETIOLOGY

Sexual problems of women with rheumatoid arthritis. Yoshino S, et al. **Arch Phys Med Rehabil** 1981 Mar; 62(3):122–3

Secondary premature ejaculation due to semen sensitivity. Williams W. **Aust NZ J Psychiatry** 1980 Sep;14(3):217–8

Sexual consequences of male genitourinary cancer: the role of sex prosthetics. Furlow WL. **Front Radiat Ther Oncol** 1979;14:104–7

The stoma patient and his return to society. Kirkpatrick JR. **Front Radiat Ther Oncol** 1979;14:20–5 (39 ref.)

Sexual dysfunction following therapy for cancer of the prostate, testis, and penis. von Eschenbach AC. **Front Radiat Ther Oncol** 1979;14:42–50 (23 ref.)

Schizophrenia and sexual functioning. Verhulst J, et al. **Hosp Community Psychiatry** 1981 Apr;32(4):259–62

Some social and sexual problems experienced by Nigerians with limb amputation. Akesode FA, et al. **Trop Geogr Med** 1981 Mar;33(1):71–4

Sexual dysfunction associated with urinary incontinence. Sutherst J, et al. **Urol Int** 1980;35(6):414–6

[Cerebral dysfunction and disorders of sexual behaviour (author's transl)] Gautier-Smith PC. **Rev Neurol (Paris)** 1980;136(4):311–9 (Eng. Abstr.) **(Fre)**

[Lubrication deficiency--a psychosomatic symptom. Etiology and treatment] Gabelmann J, et al. **Fortschr Med** 1980 Sep 25;98(36):1379–83 **(Ger)**

OCCURRENCE

Ejaculatory incompetence in Chinese men. Lieh-Mak F, et al. **Am J Psychiatry** 1981 May;138(5):685–6

Sexual problems referred to a Scottish psychiatric service. Scott IG, et al. **Scott Med J** 1981 Jan;26(1):45–7

PHYSIOPATHOLOGY

Sex and the aging process. Masters WH, et al. **J Am Geriatr Soc** 1981 Sep;29(9):385–90

PSYCHOLOGY

Symptomatology and psychological aspects of male sexual inadequacy: results of an experimental study. Kockott G, et al. **Arch Sex Behav** 1980 Dec;9(6):457–75

Psychophysiological aspects of male sexual inadequacy: results of an experimental study. Kockott G, et al. **Arch Sex Behav** 1980 Dec;9(6):477–93

Sexual dysfunction and hysteria. Roy A. **Br J Med Psychol** 1981 Jun;54(Pt 2):131–2

Relationship factors and sexual dysfunction. Implications for assessment and treatment. Hartman LM. **Can J Psychiatry** 1980 Nov;25(7):560–3

The role of genital examination in psychosexual medicine. Tunnadine P. **Clin Obstet Gynaecol** 1980 Aug;7(2):283–91

Proust and perversion: some clinical and theoretical considerations. Halberstadt-Freud HC. **Int J Psychoanal** 1980;61(3):403–10

[Family environment and the sexual life of women (author's transl)] Raboch J, et al. **Cesk Psychiatr** 1981 Apr; 77(2):100–4 (Eng. Abstr.) **(Cze)**

[Causes of abnormal sexual behavior (author's transl)] Orthner H. **MMW** 1981 Feb 27;123(9):349–52 (Eng. Abstr.) **(Ger)**

[Comments on developmental psychology and some reflections on disorders of psychosexual development (author's transl)] Reinelt T. **Wien Klin Wochenschr** 1980 Dec 19;92(24):857–61 (Eng. Abstr.) **(Ger)**

REHABILITATION

Form and content in the conjoint treatment of sexual dysfunction: a controlled study. Crowe MJ, et al. **Behav Res Ther** 1981;19(1):47–54

Sexual rehabilitation of the gynecologic cancer patient: an effective counseling model. Capone MA, et al. **Front Radiat Ther Oncol** 1979;14:123–9

A comparison of systematic desensitization and directed masturbation in the treatment of primary orgasmic dysfunction in females. Andersen BL. **J Consult Clin Psychol** 1981 Aug;49(4):568–70

THERAPY

Review of behavioral psychotherapy, II: sexual disorders. Marks IM. **Am J Psychiatry** 1981 Jun;138(6):750–6 (46 ref.)

Sexual medicine. A progress report [editorial] Kaplan HS. **Arch Intern Med** 1980 Dec;140(12):1575–6

Voluntary control of sexual responding in men and women: implications for the etiology and treatment of sexual dysfunctions. Hatch JP. **Biofeedback Self Regul** 1981 Jun; 6(2):191–205

Brief psychosomatic therapy for consummation of marriage. Bramley HM, et al. **Br J Obstet Gynaecol** 1981 Aug; 88(8):819–24

Sex problems in practice. Training and referral. Institute of Psychosexual Medicine, Margaret Pyke Centre, and Brook Advisory Centres. Tunnadine P, et al. **Br Med J[Clin Res]** 1981 May 23;282(6277):1669–72

The clinical management of sexual dysfunction. Duddle M, et al. **Clin Obstet Gynaecol** 1980 Aug;7(2):293–323 (97 ref.)

Short-term treatment in sexual dysfunction: a review. Cooper AJ. **Compr Psychiatry** 1981 Mar–Apr;22(2):206–17 (56 ref.)

[Basics of therapy of sexual disorders in women] Denk Z. **Cesk Gynekol** 1980 Jul;45(6):416–8 **(Cze)**

[Disturbing factors in sex therapy of erectile dysfunctions (author's transl)] Kratochvíl S, et al. **Cesk Psychiatr** 1980 Aug;76(4):250–5 (Eng. Abstr.) **(Cze)**

[Sexuality over sixty (author's transl)] Aresin L. **ZFA (Dresden)** 1980;35(1):55–8 (Eng. Abstr.) **(Ger)**

PSYCHOSEXUAL DYSFUNCTIONS see under **PSYCHOSEXUAL DISORDERS**

PSYCHOSINE see under **SPHINGOSINE**

PSYCHOSIS, BRIEF REACTIVE see **PSYCHOTIC DISORDERS**

PSYCHOSIS, INVOLUTIONAL see **DEPRESSION, INVOLUTIONAL**

PSYCHOSIS, MANIC-DEPRESSIVE see **BIPOLAR DISORDER**

PSYCHOSOCIAL DEPRIVATION

Growing up in appalachia. Reed J. **Child Today** 1981 Jan–Feb;10(1):24–7

Development of a child with long-lasting deprivation of oral feeding. Beratis S, et al. **J Am Acad Child Psychiatry** 1981 Winter;20(1):53–64

NEXUS: a community-based treatment concept for people with long-term psychiatric disabilities. Kroman L, et al. **J Rehabil** 1981 Apr–Jun;47(2):47–51

Psychosocial and environmental approaches to the care of senile dementia patients. Lawton MP. **Proc Annu Meet Am Psychopathol Assoc** 1980;69:265–80

Between worlds: the problems of deafened adults. Luey HS. **Soc Work Health Care** 1980 Spring;5(3):253–65

[Psychosocial consequences of chronic disease in children (after a study on chronic juvenile arthritis)] Mozziconacci P. **Bull Acad Natl Med (Paris)** 1980;164(6):578–81 (Eng. Abstr.) **(Fre)**

[Social deprivation and disability in old age – necessity and possibility for pedagogic interventions] Wieland H, et al. **Z Gerontol** 1980 Nov–Dec;13(6):540–6 (Eng. Abstr.) **(Ger)**

PSYCHOSOMATIC DISORDERS see **PSYCHOPHYSIOLOGIC DISORDERS**

PSYCHOSOMATIC MEDICINE

Psychosomatics and the Third World. Lipowski ZJ, et al. **Papua New Guinea Med J** 1980 Mar;23(1):8–16 (36 ref.)

Psychosomatics and medical education. Pataki-Schweizer KJ. **Papua New Guinea Med J** 1980 Mar;23(1):17–20

Tropical psychosomatics [editorial] Purton-Bradley BG. **Papua New Guinea Med J** 1980 Mar;23(1):1–2

Liaison psychiatry: the extension of a concept. Kimball CP. **Psychosomatics** 1980 Aug;21(8):684–7

Neuroendocrinology: A science for psychosomatic medicine [editorial] Mayfield D. **Psychosomatics** 1980 Dec; 21(12):971–3

[Psychosomatic problems in Czechoslovak medical journals from 1968–1978] Savlík J, et al. **Cas Lek Cesk** 1980 Dec 5;119(49):1331–6 (Eng. Abstr.) **(Cze)**

[Present-day state and perspectives of psychosomatics (author's transl)] Baštecký J, et al. **Cesk Psychiatr** 1980 Aug;76(4):217–23 (Eng. Abstr.) **(Cze)**

[Sophrology and phenomenology] Avenia F. **Minerva Med** 1981 May 12;72(19):1217–21 **(Ita)**

[The concept of corporality in the interpretation of pain in sophrology] Manna A. **Minerva Med** 1981 May 12; 72(19):1227–32 **(Ita)**

[The normal conscience state and the sophronic state of conscience] Tombolini M. **Minerva Med** 1981 May 12; 72(19):1223–5 **(Ita)**

[Psychiatric significance of holistic medicine: a psychosomatic (and psychotherapeutic) department. II. The 3-way flow: clinician-teacher-researcher] Lobo A, et al. **Actas Luso Esp Neurol Psiquiatr** 1980 Nov–Dec; 8(6):443–70 (Eng. Abstr.) **(Spa)**

[Psychic and psychosomatic symptom in pediatrics (author's transl)] Menéndez Osorio F. **An Esp Pediatr** 1980 Dec; 13(12):1091–100 (35 ref.) (Eng. Abstr.) **(Spa)**

EDUCATION

[Medical psychological practice (author's transl)] Dahme B. **MMW** 1981 Mar 6;123(10):377–80 (Eng. Abstr.) **(Ger)**

[Training in medical psychology (author's transl)] Rosemeier HP. **MMW** 1981 Mar 6;123(10):369–74 (Eng. Abstr.) **(Ger)**

[The present situation of medical psychology] Scheer JW, et al. **MMW** 1981 Mar 6;123(10):375–6 **(Ger)**

[On the problems of postgraduate education in gynaecological psychosomatics. (Pilot study with 185 physicians interested in continuing education) (author's transl)] Wenderlein JM. **Psychother Psychosom Med Psychol** 1981 Mar;31(2):58–63 (Eng. Abstr.) **(Ger)**

HISTORY

[Psychiatry and psychosomatics in Arabic medicine] Moussaoui D, et al. **Ann Med Psychol (Paris)** 1980; 138(8):967–74 **(Fre)**

[Avicenna the psychosomatist] Ammar S. **Tunis Med** 1980 Jul–Aug;58(4):552–3 **(Fre)**

[Avicenna and the roots of psychosomatic medicine] Schultheisz E. **Orv Hetil** 1980 Dec 28;121(52):3171–3 **(Hun)**

METHODS

[Cooperation between oncologists and psychosomatic physicians in the treatment of solid tumors] Diehl V, et al. **Verh Dtsch Ges Inn Med** 1980;86:399–406 **(Ger)**

TRENDS

[Research in medical psychology] Beckmann D. **MMW** 1981 Mar 6;123(10):381–3 **(Ger)**

[Turn to psychological medicine. A determination of the position of the medical psychology specialty] Pohlmeier H. **MMW** 1981 Mar 6;123(10):367–8 **(Ger)**

PSYCHOSURGERY

The long-term effects of prefrontal leukotomy. Benson DF, et al. **Arch Neurol** 1981 Mar;38(3):165–9

Frontal leukotomy size and hemispheric asymmetries on computerized tomographic scans of schizophrenics with variable recovery. Northampton Veterans Administration study. Naeser MA, et al. **Arch Neurol** 1981 Jan;38(1):30–7

Psychosurgery of sexually deviant patients: review and analysis of new empirical findings. Schmidt G, et al. **Arch Sex Behav** 1981 Jun;10(3):301–23 (42 ref.)

Psychosurgery: government regulating medicine. Gorman WF. **Ariz Med** 1981 Apr;38(4):275–8

The surgical treatment of intractable childhood and adolescent epilepsy. Whittle IR, et al. **Aust NZ J Surg** 1981 Apr;51(2):190–6

The computerized tomographic appearance of frontal lobotomy. Duncan AW, et al. **Comput Tomogr** 1980 Oct–Dec;4(4):255–60
Surgical treatment of epilepsy—recent cases of topectomy. Tanikawa T, et al. **Folia Psychiatr Neurol Jpn** 1980; 34(3):379–80
Surgery for the mind [editorial] **J Med Ethics** 1980 Sep; 6(3):115–6
Ethical considerations of psychosurgery: the unhappy legacy of the pre–frontal lobotomy. Gostin LO. **J Med Ethics** 1980 Sep;6(3):149–54
Electroencephalographic changes as prognostic indicators after psychosurgery. Evans BM, et al. **J Neurol Neurosurg Psychiatry** 1981 May;44(5):444–7
Psychosurgery supporters sued for malpractice [news] Dickson D. **Nature** 1979 Jan 18;277(5693):164–5
Psychosurgery outcome and CNV asymmetry. Tecce JJ, et al. **Prog Brain Res** 1980;54:700–7
[Current status of psychosurgical treatment of schizophrenia] Nedelcu A. **Rev Med Interna [Neurol Psihiatr]** 1980 Apr–Jun;24(2):127–30 **(Rum)**

ADVERSE EFFECTS

Deficits in short–term auditory memory for verbal material following right temporal removals in humans. Samuels I, et al. **Int J Neurosci** 1980;11(2):101–7
Psychosurgery — why not ban it? Norton A. **J R Soc Med** 1980 Jul;73(7):526–8
Treating the brain by cingulotomy. González ER. **JAMA** 1980 Nov 14;244(19):2141–3, 2146–7

METHODS

Treatment of intractable temporal lobe–limbic epilepsy (complex partial seizures) by temporal lobectomy. Glaser GH. **Ann Neurol** 1980 Nov;8(5):455–9
[Gilles de la Tourette syndrome and psychosurgery] Asam U, et al. **Acta Paedopsychiatr (Basel)** 1981 May;47(1):39–48 (Eng. Abstr.) **(Ger)**

STANDARDS

Is leucotomy ever justified? **Drug Ther Bull** 1980 Jul 18; 18(15):57–8

TRENDS

Psychosurgery: waiting to make a comeback? [news] González ER. **JAMA** 1980 Nov 21;244(20):2245–7, 2250

PSYCHOTHERAPY

A controlled study of 5 years' treatment with psychotherapy in combination with depot neuroleptics in schizophrenia. II. Personality changes measured by ten selected Rorschach variables. Lindberg D. **Acta Psychiatr Scand [Suppl]** 1981; 63 Suppl 289:56–66
Some practical points concerning psychotherapy in the integrated treatment programme during the first 3 months in hospital. Comments on the three detailed descriptions of psychotherapy with schizophrenics. Lindberg D. **Acta Psychiatr Scand [Suppl]** 1981;63 Suppl 289:97–112
Personality changes in chronic schizophrenic patients during five years' treatment with intensive psychotherapy in combination with depot neuroleptics I. Analysis of changes as measured by the Holtzman Inkblot Technique. Lindberg D. **Acta Psychiatr Scand [Suppl]** 1981;63 Suppl 289:27–55
Management of schizophrenia. Long–term clinical studies with special reference to the combination of psychotherapy with depot neuroleptics. Lindberg D. **Acta Psychiatr Scand [Suppl]** 1981;63 Suppl 289:1–26
Body type, personality temperament, and psychotherapeutic treatment of male adolescents. Stewart H. **Adolescence** 1980 Winter;15(60):927–32
Suggestion therapy and clinical hypnosis. Phelps LA. **Am Fam Physician** 1981 Jun;23(6):145–8
Racial attribution effects on clinical judgment: a failure to replicate among white clinicians. Bloch PM, et al. **Am J Community Psychol** 1980 Aug;8(4):485–93
Psychotherapeutic considerations in genetic counseling. Targum SD. **Am J Med Genet** 1981;8(3):281–9
Exploration of countertransference toward the dying. Clarke PJ. **Am J Orthopsychiatry** 1981 Jan;51(1):71–7
Time orientation and ghetto patients. Bell ⅅC. **Am J Psychiatry** 1980 Oct;137(10):1279
Psychotherapy: a laboratory of preventive knowledge [letter] Boszormenyi–Nagy I. **Am J Psychiatry** 1980 Dec; 137(12):1626–7
Perspectives on psychotherapy with the elderly. Cohen GD. **Am J Psychiatry** 1981 Mar;138(3):347–50
Special issues regarding psychotherapy with the deaf. Hoyt MF, et al. **Am J Psychiatry** 1981 Jun;138(6):807–11
Therapeutic alliance scales: development and relationship to psychotherapy outcome. Marziali E, et al. **Am J Psychiatry** 1981 Mar;138(3):361–4
Trust–based therapy and the legacy of obligation [letter] Miller M. **Am J Psychiatry** 1981 Jan;138(1):125–6
Psychotherapy of the affective psychoses. Rush AJ. **Am J Psychoanal** 1980 Summer;40(2):99–121
A psychotherapeutic approach to silent children. Blotcky MJ, et al. **Am J Psychother** 1980 Oct;34(4):487–95
Mastering money issues that complicate treatment: the last taboo. DiBella GA. **Am J Psychother** 1980 Oct; 34(4):510–22
A paradoxical effect of guilt in the psychotherapy of children. Keith CR. **Am J Psychother** 1981 Jan;35(1):16–26
Gestalt and psychoanalytic therapies: structural analysis and rapprochement. Nielsen AC. **Am J Psychother** 1980 Oct; 34(4):534–44
Privacy and confidentiality in psychotherapy. Everstine L, et al. **Am Psychol** 1980 Sep;35(9):828–40
Psychotherapy. A 40–year–appraisal. Garfield SL. **Am Psychol** 1981 Feb;36(2):174–83
Health–habit modification [letter] Hyman A. **Am Psychol** 1981 Feb;36(2):218–9
Mental health practitioners. Old stereotypes and new realities. Blum JD, et al. **Arch Gen Psychiatry** 1980 Nov; 37(11):1247–53
Styles of listening and clinical sensitivity. Cohen NL, et al. **Arch Gen Psychiatry** 1981 Feb;38(2):216–8
Drugs and psychotherapy in acute depression [letter] Mattes J. **Arch Gen Psychiatry** 1981 Jan;38(1):115–6
The use of psychotherapy with in–patients. Whitwell D. **Br J Med Psychol** 1980 Sep;53(3):233–41
Immediate psychological help for self–harmers [letter] White R. **Br J Psychiatry** 1980 Nov;137:494
Psychoanalysis, psychotherapy, and health services [letter] Mason HA. **Br Med J** 1980 Jan 26;280(6209):248–9
Comparison of nicotine chewing–gum and psychological treatments for dependent smokers. Raw M, et al. **Br Med J** 1980 Aug 16;281(6238):481–2
The issue of custody in psychotherapy: its changing therapeutic and legal parameters. Halperin DA. **Bull Am Acad Psychiatry Law** 1980;8(1):62–71
A combined approach to a medical problem. The Canadian back education unit. Robinson GE. **Can J Psychiatry** 1980 Mar;25(2):138–42
Law & Psychiatry. Appelbaum PS. **Hosp Community Psychiatry** 1981 Jan;32(1):14–5
Psychotherapy consultation in an inpatient setting. Bernstein SB. **Hosp Community Psychiatry** 1980 Dec;31(12):829–34
A review of the roles of pet animals in psychotherapy and with the elderly. Brickel CM. **Int J Aging Hum Dev** 1980; 12(2):119–28 (31 ref.)
Psychotherapy for the economically disadvantaged: contributions from the social sciences. Goldensohn SS. **J Am Acad Psychoanal** 1981 Apr;9(2):291–302
Sorrows and joys of the psychotherapist. Kepinski A. **J Am Acad Psychoanal** 1981 Jul;9(3):391–8
Psychotherapy and psychophysiologic disorders: an integrative approach. Mitchell JC. **J Am Coll Health Assoc** 1981 Feb;29(4):195–6
Psychotherapy with deaf college students: perception of process. Roach AM. **J Am Coll Health Assoc** 1980 Dec; 29(3):124–6
Senile dementia: combined pharmacologic and psychologic treatment. Yesavage JA, et al. **J Am Geriatr Soc** 1981 Apr; 29(4):164–71
Helping minority and low–income psychotherapy patients 'Tell It Like It Is'. Acosta FX, et al. **J Biocommun** 1980 Nov;7(3):13–9
Effects of rational–emotive therapy on psychophysiological and reported measures of test anxiety arousal. Barabasz AF, et al. **J Clin Psychol** 1981 Jul;37(3):511–4
Reputation, training, fee, and androgyny: their comparative effects on impressions of therapist credibility. Bloom LJ, et al. **J Clin Psychol** 1981 Jan;37(1):90–5
Client perceptions in an initial interview as a function of therapist sex and expertness. Brischetto CM, et al. **J Clin Psychol** 1981 Jan;37(1):82–7
A multivariate analysis of long–term stay in private practice psychotherapy. Koss MP. **J Clin Psychol** 1980 Oct; 36(4):991–3
Androgyny, Stereotypy and the perception of female therapists. Merluzzi TV, et al. **J Clin Psychol** 1981 Apr; 37(2):280–4
Effect of sex of therapist and client on therapists' attitudes toward assertiveness problems. Mintzer E, et al. **J Clin Psychol** 1980 Jul;36(3):704–8
Dependency and ego–strength as indicators of patients' attendance in psychotherapy. Nacev V. **J Clin Psychol** 1980 Jul;36(3):691–5
Effects of therapists nonverbal communication on rated skill and effectiveness. Sherer M, et al. **J Clin Psychol** 1980 Jul; 36(3):696–700
Speech–rhythm characteristics of client–centered, Gestalt, and rational–emotive therapy interviews. Chen CL. **J Commun Disord** 1981 Jul;14(4):311–20
Religious and Humanistic values: a reply to Ellis and Walls. Bergin AE. **J Consult Clin Psychol** 1980 Oct;48(5):642–5
Psychotherapists' attitudes toward offender clients. Graham SA. **J Consult Clin Psychol** 1980 Dec;48(6):796–7
Psychotherapy and the dying patient. Firestein SK, et al. **J Health Polit Policy Law** 1980 Fall;5(3):400–4
Sex differences in preferences for an ideal therapist. Greenberg RP, et al. **J Pers Assess** 1980 Oct;44(5):474–8
Confrontation in individual psychotherapy. Bromley GE. **J Psychiatr Nurs** 1981 May;19(5):15–8
The evaluation of co–leading a gestalt group. Durald MM, et al. **J Psychiatr Nurs** 1980 Dec;18(12):19–23
Use of territoriality in psychotherapy. Murphy KE. **J Psychiatr Nurs** 1981 Mar;19(3):13–6
Symposium: Exorcism. **J R Soc Med** 1979 Mar;72(3):215–21
Exorcism: concepts and stratagems. Crown S. **J R Soc Med** 1979 Mar;72(3):218–20
Exorcism. Dismiss or make whole? Davis DR. **J R Soc Med** 1979 Mar;72(3):215–8
Theories underlying exorcism: theological and psychic. Moore EG. **J R Soc Med** 1979 Mar;72(3):220–1
Holistic approach to rehabilitation. Andrews HB. **J Rehabil** 1981 Apr–Jun;47(2):28–31
Psychotherapy to Vietnam veterans [letter] Lemere F. **JAMA** 1981 Jul 10;246(2):125
The child's and parents'expectations of psychotherapy. Small AC, et al. **JDBP** 1980 Jun;1(2):74–7
General practitioner as psychotherapist. Andrews G, et al. **Med J Aust** 1980 Dec 13;2(12):655–9
Psychologists and psychiatrists [letter] Wiltshire EB. **Med J Aust** 1981 Apr 4;1(7):380
Training teachers as facilitators of mental health: 'Psychotherapy of the Role'. Osterweil ZO, et al. **Ment Health Soc** 1978;5(5–6):330–8
Dying patients: a challenge to their physicians and consultation psychiatry. Hales RE. **Milit Med** 1980 Oct; 145(10):674–80
Psychotherapy and naltrexone in opioid dependence. Resnick RB, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1980; (34):109–15
Rational–emotive therapy and depression: a clinical case study. Horton AM Jr, et al. **Percept Mot Skills** 1980 Dec; 51(3 Pt 1):853–4
Effects of psychot herapy on REM latency and REM time. Karle W, et al. **Percept Mot Skills** 1980 Aug;51(1):319–24
Starting a private practice of psychotherapy. Geller JC. **Perspect Psychiatr Care** 1980 May–Jun;18(3):106–11
Madness is a surrender of free will; therapy too often encourages it. A libertarian view of psychology and psychiatry. Breggin PR. **Psychiatr Q** 1981 Spring; 53(1):60–8
A death in the life of a therapist and its impact on the therapy. Givelber F, et al. **Psychiatry** 1981 May;44(2):141–9
Evaluating comparative studies of paraprofessional and professional helpers: a reply to Nietzel and Fisher. Durlak JA. **Psychol Bull** 1981 May;89(3):566–9
Effectiveness of professional and paraprofessional helpers: a comment on Durlak. Nietzel MT, et al. **Psychol Bull** 1981 May;89(3):555–65
Self–described reasons for premature termination of psychotherapy by Mexican American, black American, and Anglo–American patients. Acosta FX. **Psychol Rep** 1980 Oct;47(2):435–43
Differentiating therapists from patients. Halliday G. **Psychol Rep** 1980 Oct;47(2):492–4
Sexual contact between psychotherapist and patient: legal remedies. Hays JR. **Psychol Rep** 1980 Dec;47(3 Pt 2):1247–54
Psychotherapy for medically ill patients: review and critique of controlled studies. Conte HR, et al. **Psychosomatics** 1981 Apr;22(4):285–90, 297–300, 312, 315 (35 ref.)
Psychiatrists and elderly patients. Ford CV. **Psychosomatics** 1981 Mar;22(3):190–2
Treatment of a psychosomatic ailment in an elderly woman. Garfinkel R. **Psychosomatics** 1980 Dec;21(12):1015–6
A psychiatric consultation service for hospitalized children. Jellinek MS, et al. **Psychosomatics** 1981 Jan;22(1):29–33
Female bladder problems – a case for psychotherapy? A case report. Landau J, et al. **S Afr Med J** 1981 Jun 27; 59(27):986–7
Effectiveness of psychotherapy [letter] Bordin ES. **Science** 1981 Jul 24;213(4506):394–5
Clinical trial of psychotherapies is under way [news] Kolata GB. **Science** 1981 Apr 24;212(4493):432–3
Paths to psychotherapy in the middle years: a longitudinal study. Gurwitz PM. **Soc Sci Med** 1981 Feb;15E(1):67–76
Factors in the receipt of therapeutic assistance in community care. Segal SP, et al. **Soc Sci Med [Med Psychol Med Sociol]** 1980 Dec; 14A(6):581–7
Chronic pain: a multiaxial approach to psychosocial assessment and intervention. Blazer D. **South Med J** 1981 Feb;74(2):203–7, 214
[Prerequisites for intervention in type A behavior in the prevention of ischemic heart disease] Rosenman RH, et al. **Cas Lek Cesk** 1981 Apr 2;120(13):384–8 **(Cze)**
[Calls on the telephone line 'Hope' in 1977 (author's transl)] Bouchal M, et al. **Cesk Psychiatr** 1980 Oct;76(5):326–30 (Eng. Abstr.) **(Cze)**
[The establishing of the therapeutic relationship with the alcoholic (author's transl)] Poncelet PF, et al. **Acta Psychiatr Belg** 1980 Mar–Apr;80(2):220–6 (Eng. Abstr.) **(Fre)**
[Obesity, a symptom or a disease? Apropos of various cases of female obesity treated in a psychiatric milieu] Fellion MG, et al. **Ann Med Psychol (Paris)** 1980 May; 138(5):609–18 **(Fre)**
[Psychotherapy of the aged] Karasu TB, et al. **Ann Med Psychol (Paris)** 1980 May;138(5):574–80 **(Fre)**
[Humor, creativity and psychotherapy] Szafran AW. **Ann Med Psychol (Paris)** 1981;139(1):11–9 (Eng. Abstr.) **(Fre)**
[The adolescent: psychotherapy and/or education] **Neuropsychiatr Enfance Adolesc** 1980 Oct–Nov; 28(10–11):445–519 **(Fre)**
[Education and psychotherapy in a therapeutic institution for adolescents (author's transl)] Cahn R. **Neuropsychiatr Enfance Adolesc** 1980 Oct–Nov; 28(10–11):467–71 (Eng. Abstr.) **(Fre)**
[Some difficulties encountered in the multidisciplinary

functioning of a domiciliary therapeutic team (author's transl)] Chartier JP. **Neuropsychiatr Enfance Adolesc** 1980 Oct–Nov;28(10–11):447–9 (Eng. Abstr.) **(Fre)**

[The day center for adolescents. Concerning certain behavior and attitudes of the therapeutic team (author's transl)] Cote S, et al. **Neuropsychiatr Enfance Adolesc** 1980 Jun; 28(6):247–52 (Eng. Abstr.) **(Fre)**

[Simultaneous use of psychotherapy based on the analytic and behavioral schools (author's transl)] de Vriendt X, et al. **Neuropsychiatr Enfance Adolesc** 1980 Jun;28(6):243–6 **(Fre)**

[The psychotherapy and taking into care of hospitalized adolescents who have tried to commit suicide (author's transl)] Moron P, et al. **Neuropsychiatr Enfance Adolesc** 1980 Oct–Nov;28(10–11):491–4 (Eng. Abstr.) **(Fre)**

[Psychotherapy in a semi-liberal home (author's transl)] Tomkiewicz S. **Neuropsychiatr Enfance Adolesc** 1980 Oct–Nov;28(10–11):455–9 (Eng. Abstr.) **(Fre)**

[The physician: the unknown of medical psychology] Schneider PB. **Rev Med Suisse Romande** 1980 Jun; 100(6):545–56 **(Fre)**

[Cooperation of pharmacotherapy and psychotherapy: an experimental illustration] Caplová T, et al. **Agressologie** 1980;21(A):37–9 (Eng. Abstr.) **(Ger)**

[Suicide prevention in psychoses and combined pharmacotherapy and psychotherapy] Richter H. **Agressologie** 1980;21(A):41–3 **(Ger)**

[The pattern of human nature and the relevant treatment methods as envisaged by logotherapy after Frankl (author's transl)] Lukas E. **Fortschr Neurol Psychiatr** 1981 Mar; 49(3):113–20 (Eng. Abstr.) **(Ger)**

[Cognitive psychotherapy (author's transl)] Hautzinger M, et al. **Nervenarzt** 1980 Nov;51(11):637–43 **(Ger)**

[Which patients drop out of psychiatric out-patient treatment (author's transl)] Wälti J, et al. **Nervenarzt** 1980; 51(12):712–7 **(Ger)**

[The diagnostic and therapeutic function of initial interviews in a psychotherapy clinic] Hohage R, et al. **Psyche (Stuttg)** 1981 Jun;35(6):544–56 (Eng. Abstr.) **(Ger)**

[Taste and psychotherapy] Fikentscher E, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1980 May; 32(5):309–15 (Eng. Abstr.) **(Ger)**

[Ethical aspects of the therapist-patient relationship in psychotherapy] Thom A. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Feb;33(2):76–80 (Eng. Abstr.) **(Ger)**

['Existential-integrative' psychology and psychotherapy (author's transl)] Bühler KE, et al. **Psychother Psychosom Med Psychol** 1980 May;30(3):121–6 (Eng. Abstr.) **(Ger)**

[The therapeutic contract in transactional analysis and script analysis illustrated by three examples (author's transl)] Kiltz RR. **Psychother Psychosom Med Psychol** 1980 May; 30(3):127–32 (Eng. Abstr.) **(Ger)**

[Dynamics of affective disorders and appropriate treatment in manic-depressive psychoses (author's transl)] Mitterauer B, et al. **Psychother Psychosom Med Psychol** 1981 Jan; 31(1):15–9 (Eng. Abstr.) **(Ger)**

[Psychotherapy in the public arena] Buser M. **Ther Umsch** 1980 Jan;37(1):63–9 (Eng. Abstr.) **(Ger)**

[Recommendations for psychotherapy in general practice (author's transl)] Ernst K. **Ther Umsch** 1980 Jan;37(1):58–62 (Eng. Abstr.) **(Ger)**

[The motivation/motivatibility of functional disorder patients on an internal medical ward towards integrated psychotherapy] Dummer W. **Z Aerztl Fortbild (Jena)** 1980 Sep 1;74(17):794–7 **(Ger)**

[Organization forms of the clinical psychological service in the organization of health services] Hennig H, et al. **Z Aerztl Fortbild (Jena)** 1980 Oct 15;74(20):965–7 **(Ger)**

[What can dermatology expect from psychotherapy? – A plea] Hornstein OP. **Z Hautkr** 1980 Jul 15;55(14):913–27 (Eng. Abstr.) **(Ger)**

[Ejaculatio praecox and active psychotherapy] Tóth M. **Orv Hetil** 1980 Dec 7;121(49):2983–7 **(Hun)**

[Psychotherapeutic intervention in a group of workers in the hemodialysis service of a civil hospital] Bolognini S, et al. **Minerva Psichiatr** 1979 Jul–Sep;20(3):201–7 (Eng. Abstr.) **(Ita)**

[Experience with individual psychotherapy of young psychotic patients in the field of regional psychiatric services] Cabassi F, et al. **Minerva Psichiatr** 1981 Apr–Jun; 22(2):93–8 (Eng. Abstr.) **(Ita)**

[Experiences in psychosomatic intervention within the hospital framework] Rovera GG, et al. **Minerva Psichiatr** 1981 Jan–Mar;22(1):33–40 (Eng. Abstr.) **(Ita)**

[Milieu therapy in combination with psychotherapy in psychoses] Haugsgjerd S. **Tidsskr Nor Laegeforen** 1981 May;101(14):856–8 **(Nor)**

[Effect of psychotherapy on the change in the attitude toward disease after myocardial infarct] Wrze'sniewski K. **Pol Tyg Lek** 1980 Jul 28;35(30):1145–7 (Eng. Abstr.) **(Pol)**

[Training therapy for psychiatry residents (author's transl)] D'Andrea FF. **AMB** 1980 Jan;26(1):17–8 (Eng. Abstr.) **(Por)**

[Peculiar aspects of psychotherapy of children] Milea S, et al. **Rev Med Interna [Neurol Psihiatr]** 1981 Jan–Mar; 26(1):1–13 (13 ref.) (Eng. Abstr.) **(Rum)**

[Effect of psychotherapy on cerebral circulatory dynamics in pregnant women with late toxicosis and a hypertensive syndrome] Mamiev OB, et al. **Akush Ginekol (Mosk)** 1981 Mar;(3):39–41 (Eng. Abstr.) **(Rus)**

[On the article by Rubinshtein, 'Role of the psychologist in psychotherapy' (letter)] **Zh Nevropatol Psikhiatr** 1981; 81(3):454–8 **(Rus)**

[Experience with psychotherapeutic work with schizophrenics in an adolescent psychotherapy department] Drapkin BZ. **Zh Nevropatol Psikhiatr** 1980;80(10):1548–51 (Eng. Abstr.) **(Rus)**

[Relationship between psychotherapy of patients with hysterical neuroses and clinical features and character aspects of the personality] Karavirt KA. **Zh Nevropatol Psikhiatr** 1980;80(11):1706–9 (Eng. Abstr.) **(Rus)**

[Psychiatric contribution to integral medicine: a psychosomatic (psychotherapy) service. I. Empirical and doctrinal background] Lobo A, et al. **Actas Luso Esp Neurol Psiquiatr** 1980 Sep–Oct;8(5):347–58 (Eng. Abstr.) **(Spa)**

[Psychiatric significance of holistic medicine: a psychosomatic (and psychotherapeutic) department. II. The 3-way flow: clinician–teacher–researcher] Lobo A, et al. **Actas Luso Esp Neurol Psiquiatr** 1980 Nov–Dec; 8(6):443–70 (Eng. Abstr.) **(Spa)**

[Nicotine chewing gum and psychological treatment as better than only psychological antidotal treatment] Fagerström KO. **Lakartidningen** 1981 Mar 11;78(11):1082–4 (Eng. Abstr.) **(Swe)**

ADVERSE EFFECTS

[Negative effects of psychotherapy] Göth N, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1980 Sep;32(9):550–6 (Eng. Abstr.) **(Ger)**

ECONOMICS

Psychiatry and psychotherapy: financial implications [letter] O'Brien JV. **Can J Psychiatry** 1980 Nov;25(7):609–10

Cost-effectiveness in psychotherapy. Wolberg LR. **J Am Acad Psychoanal** 1981 Jan;9(1):1–5

Psychotherapy under National Health Insurance: ten years of Canadian experience. Paris J. **Psychiatr Q** 1981 Spring; 53(1):21–5

EDUCATION

On learning psychotherapy. Nemiah JC. **Am J Psychiatry** 1981 Feb;138(2):216–7

Learning dynamic psychotherapy in psychiatric training. Shulman L. **Am J Psychiatry** 1981 Feb;138(2):167–71

Psychotherapy: experience as a medical student. Garner P. **Br Med J [Clin Res]** 1981 Mar 7;282(6266):797–8

Teaching and learning of psychotherapy. Bruch H. **Can J Psychiatry** 1981 Mar;26(2):86–92

Teaching psychotherapy. Learning objectives in individual psychotherapy. Watters WW, et al. **Can J Psychiatry** 1980 Mar;25(2):111–7

Which books are perceived as helpful in the training of psychotherapists? Katz JF, et al. **J Clin Psychol** 1981 Jul; 37(3):505–6

Rogers, Lazarus, and Shostrom in content analysis. O'Dell J, et al. **J Clin Psychol** 1981 Jul;37(3):507–10

Editorial: ethics of mental health training. Redlich F, et al. **J Nerv Ment Dis** 1980 Dec;168(12):709–14

The training of psychotherapists [editorial] Pond DA. **J R Soc Med** 1979 Dec;72(12):883–5

Clinical confidence and self-monitoring behavior. Abston N Jr. **Percept Mot Skills** 1980 Dec;51(3 Pt 1):1021–2

[Educational program. Specialist in psychotherapy] **Psychiatr Neurol Med Psychol (Leipz)** 1981 May; 33(5):297–301 **(Ger)**

[Training of psychotherapists with special reference to the phenomena of transference and countertransference] Hidas G. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Feb; 33(2):81–5 **(Ger)**

[Self-understanding by the psychotherapist and its consequences for training] Höck K. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Feb;33(2):93–7 (Eng. Abstr.) **(Ger)**

[What are the aims of young and elderly participants in psychotherapeutic courses in continuing education and post-graduate training. An empirical study (author's transl)] Lermer S. **Psychother Psychosom Med Psychol** 1980 May;30(3):108–12 (Eng. Abstr.) **(Ger)**

HISTORY

Two jubilees in psychotherapy [editorial] **Br Med J** 1980 Jul 26;281(6235):256–7

From psychotherapy to psychoanalysis: Frederik van Eeden and Albert Willem van Renterghem. Bulhof IN. **J Hist Behav Sci** 1981 Apr;17(2):209–21

A note on the influence of F. M. Alexander on the development of Gestalt therapy. Tengwall R. **J Hist Behav Sci** 1981 Jan;17(1):126–30

[The development of psychotherapy in the 20th century] Boss M. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 128(2):183–96 (Eng. Abstr.) **(Fre)**

MANPOWER

[Comments on outpatient psychiatric-psychotherapeutic treatment by practising neurologist (author's transl)] Hempfling F, et al. **Psychother Psychosom Med Psychol** 1981 May;31(3):91–6 (Eng. Abstr.) **(Ger)**

[Structural peculiarities in public psychotherapeutic care – psychotherapists and their geographical distribution (author's transl)] Wittchen HU, et al. **Psychother Psychosom Med Psychol** 1980 May;30(3):95–107 (Eng. Abstr.) **(Ger)**

METHODS

Reflection of organism–environment–interaction in cerebro–visceral processes and its modification by means of complex psychotherapy. Katzenstein A, et al. **Act Nerv Super (Praha)** 1979 Jul;Suppl 2:387–9

Some reflections on the therapeutic process of body language psychotherapy with adolescents. Demcsák–Kelen I. **Acta Paedopsychiatr (Basel)** 1980 Nov;46(3):153–60

The results of different institutional treatment programs – are they different in different groups of drug abusers? Vaglum P, et al. **Acta Psychiatr Scand [Suppl]** 1980; 62(Suppl 284):21–8

Treatment of the seriously disturbed adolescent. Miller D. **Adolesc Psychiatry** 1980;8:469–81

Symptom prescription techniques: clinical applications using elements of communication. Zeig JK. **Am J Clin Hypn** 1980 Jul;23(1):23–33

Symptom prescription and Ericksonian principles of hypnosis and psychotherapy. Zeig JK. **Am J Clin Hypn** 1980 Jul; 23(1):16–22

Spontaneous peer psychotherapy in a day care setting: a case report. Mehl LE, et al. **Am J Orthopsychiatry** 1981 Apr; 51(2):346–50

Research on the results of psychotherapy: a summary of evidence. Epstein NB, et al. **Am J Psychiatry** 1981 Aug; 138(8):1027

Battered wife syndrome: overview of dynamics and treatment. Goodstein RK, et al. **Am J Psychiatry** 1981 Aug; 138(8):1036–44

The role of humor and folklore themes in psychotherapy. Heuscher JE. **Am J Psychiatry** 1980 Dec;137(12):1546–9

The ethics of psychotherapy. Karasu TB. **Am J Psychiatry** 1980 Dec;137(12):1502–12

Psychiatric consultation in the management of patient ambivalence interfering with the doctor–patient relationship. Kris K. **Am J Psychiatry** 1981 Feb; 138(2):194–7

Assessment of psychotherapy skills: the problem of interrater agreement. Liston EH, et al. **Am J Psychiatry** 1981 Aug; 138(8):1069–74

Treatment of the child pornography patient. Schoettle UC. **Am J Psychiatry** 1980 Sep;137(9):1109–10

Psychotherapy with a blind patient. Adams CE. **Am J Psychother** 1980 Jul;34(3):426–33

Psychotherapy of schizophrenia: new or revised procedures. Arieti S. **Am J Psychother** 1980 Oct;34(4):464–76

Pharmacotherapy as an intervention during the stages of psychotherapy. Beitman BD. **Am J Psychother** 1981 Apr; 35(2):206–14

The squiggle–drawing game in child psychotherapy. Claman L. **Am J Psychother** 1980 Jul;34(3):414–25

Unresponsiveness: the demon artefact of psychotherapy. Greben SE. **Am J Psychother** 1981 Apr;35(2):244–50

Didactic persuasion techniques in cognitive restructuring. Harrell TH, et al. **Am J Psychother** 1981 Jan;35(1):86–92

Patient as assistant therapist in paraverbal therapy with children. Heimlich EP. **Am J Psychother** 1981 Apr; 35(2):262–7

Psychotherapeutic treatment of opiate addiction. Rush AJ, et al. **Am J Psychother** 1981 Jan;35(1):61–75 (45 ref.)

Psychotherapy with the disadvantaged. Shen J, et al. **Am J Psychother** 1981 Apr;35(2):268–75

The impact of the deflated self–image on the prolongation of treatment. Stamm JL. **Am J Psychother** 1981 Apr; 35(2):276–86

Delusions and parasitosis: psychotherapeutic engagement. Torch EM, et al. **Am J Psychother** 1981 Jan;35(1):101–6

Toward the delineation of therapeutic change principles. Goldfried MR. **Am Psychol** 1980 Nov;35(11):991–9

Psychotherapy for opiate addiction: some preliminary results. Woody GE, et al. **Ann NY Acad Sci** 1981;362:91–100

Depressed outpatients treated with cognitive therapy or pharmacotherapy. A one-year follow-up. Kovacs M, et al. **Arch Gen Psychiatry** 1981 Jan;38(1):33–9

Expressive psychotherapy with gender dysphoric patients. Lothstein LM, et al. **Arch Gen Psychiatry** 1981 Aug; 38(8):924–9

Measuring outcome in psychodynamic psychotherapy: Psychodynamic vs symptomatic assessment. Mintz J. **Arch Gen Psychiatry** 1981 May;38(5):503–6

On the process and practice of psychotherapy: some reflections. Power RN. **Br J Med Psychol** 1981 Mar;54(Pt 1):15–23

Abnormal treatment behaviour. Singh B, et al. **Br J Med Psychol** 1981 Mar;54(Pt 1):67–73

The psychotherapy of a subnormal patient. Symington N. **Br J Med Psychol** 1981 Jun;54(Pt 2):187–99

Experimental effects of a cognitive therapy technique in depressed patients. Blackburn IM, et al. **Br J Soc Clin Psychol** 1980 Nov;19(Pt 4):353–63

Referral of patients for psychotherapy. Skynner AC, et al. **Br Med J [Clin Res]** 1981 Jun 13;282(6280):1952–5

The early phase of psychotherapy with antisocial early adolescents. Awad GA. **Can J Psychiatry** 1981 Feb;

26(1):38–42
Psychobiologic resilience, psychotherapy, and the creative process. Flach FF. **Compr Psychiatry** 1980 Nov–Dec; 21(6):510–8
Psychotherapy in socialist East Berlin. Buckman J. **Curr Psychiatr Ther** 1980;19:177–86
Mentoring in the therapeutic relationship. Burton A. **Curr Psychiatr Ther** 1980;19:43–53
Modular treatment of psychiatric patients. Gordon RE, et al. **Curr Psychiatr Ther** 1980;19:129–41
Therapeutic interrelations of patient, physician, hospital and community in the United States. Masserman JH. **Egypt J Psychiatry** 1979 Apr;2(1):63–76
Some irreverent thoughts on paradox. Dell PF. **Fam Process** 1981 Mar;20(1):37–51
Types of paradoxical intervention and indications/contraindications for use in clinical practice. Fisher L, et al. **Fam Process** 1981 Mar;20(1):25–35
In pursuit of sisterhood: adult siblings as a resource for combined individual and family therapy. Kahn MD, et al. **Fam Process** 1981 Mar;20(1):85–95
Family secrets: I. Conceptual and ethical issues in the relational context. II. Ethical and practical considerations in therapeutic management. Karpel MA. **Fam Process** 1980 Sep;19(3):295–306
Severe vomiting in a diabetic woman. Psychological considerations. Berlin RM, et al. **Gen Hosp Psychiatry** 1980 Dec;2(4):313–7
When psychiatric residents treat medical students. Passage through idealization and overidentification. Kay J. **Gen Hosp Psychiatry** 1981 Jun;3(2):89–94
The therapeutic roles of cat mascots with a hospital-based geriatric population: a staff survey. Brickel CM. **Gerontologist** 1979 Aug;19(4):368–72
Use of paradox in the treatment of alcoholism. Shore JJ. **Health Soc Work** 1981 Feb;6(1):11–20
Treatment of chronic patients by therapy aides: a pilot project. Feitel B, et al. **Hosp Community Psychiatry** 1981 Jan;32(1):47–9
Differential therapeutics: a guide to treatment selection. Frances A, et al. **Hosp Community Psychiatry** 1981 Aug; 32(8):537–46
Strategic interventions with involuntary patients. Wathney S, et al. **Hosp Community Psychiatry** 1980 Oct; 31(10):696–701
Effectiveness of urine surveillance as an adjunct to outpatient psychotherapy for drug abusers. Milby JB, et al. **Int J Addict** 1980;15(7):993–1001
Combined individual and group therapy for Vietnam veterans. Brende JO. **Int J Group Psychother** 1981 Jul; 31(3):367–78
A sound mind in a sound body: to what extent do they go together before and after psychotherapy? Luborsky L, et al. **Int J Psychiatry Med** 1980–1981;10(2):123–33
The poorly coping COPD patient: a psychotherapeutic perspective. Post L, et al. **Int J Psychiatry Med** 1981–82; 11(2):173–82
Evaluation and multimodality treatment of a depressed prepubertal girl. Petti TA, et al. **J Am Acad Child Psychiatry** 1980 Autumn;19(4):690–702
The effects of an expectancy state on the fate of applications and psychotherapy in an outpatient setting. Levitt EE, et al. **J Clin Psychiatry** 1981 Jun;42(6):234–37
Interaction of therapeutic attitudes with severity of clinical diagnosis. Jacobs MA, et al. **J Clin Psychol** 1981 Jan; 37(1):75–82
The relationship between therapist-client interpersonal compatibility, sex of therapist, and therapeutic outcome. Malloy TE. **J Clin Psychol** 1981 Apr;37(2):316–22
Therapeugenic factors in psychotherapy: the effect of attitude similarity on therapist credibility and attraction. Trautt GM, et al. **J Clin Psychol** 1980 Jul;36(3):743–7
Clinicians' evaluations of psychodynamic psychotherapy: experimental data on psychological peer review. Cohen LH, et al. **J Consult Clin Psychol** 1981 Aug;49(4):583–9
Psychotherapy and atheistic values: a response to A. E. Bergin's 'Psychotherapy and religious values'. Ellis A. **J Consult Clin Psychol** 1980 Oct;48(5):635–9
A comparison of solicited and nonsolicited female unipolar depressives for treatment outcome research. Hersen M, et al. **J Consult Clin Psychol** 1981 Aug;49(4):611–3
Correlations of male college students' verbal response mode use in psychotherapy with measures of psychological disturbance and psychotherapy outcome. McDaniel SH, et al. **J Consult Clin Psychol** 1981 Aug;49(4):571–82
Psychotherapy with depressed elderly patients: research considerations. Mintz J, et al. **J Consult Clin Psychol** 1981 Aug;49(4):542–8
Values and psychotherapy: a comment on 'Psychotherapy and religious values'. Walls GB. **J Consult Clin Psychol** 1980 Oct;48(5):640–1
Critical dimensions in the choice and maintenance of successful treatments: strength, integrity, and effectiveness. Yeaton WH, et al. **J Consult Clin Psychol** 1981 Apr; 49(2):156–67
Personality as a predictor of psychotherapy and pharmacotherapy outcome for depressed outpatients. Zuckerman DM, et al. **J Consult Clin Psychol** 1980 Dec; 48(6):730–5
Social class and suitability for psychodynamic psychotherapy A causal Model. Fontana AF, et al. **J Nerv Ment Dis** 1980 Nov;168(11):658–65
Psychological treatment of a burned child. Walker LJ, et al. **J Pediatr Psychol** 1980 Dec;5(4):395–404
Psychotherapy with the developmentally disabled adolescent. Brier NM, et al. **JDBP** 1980 Mar;1(1):19–23
Office psychotherapy: methods and indications for referral. Walker JI. **NC Med J** 1981 Jun;42(6):405–6
Self-monitoring and psychotherapy: a comment. Sparacino J. **Percept Mot Skills** 1981 Jun;52(3):974
Motivation and resistance in sex therapy. Gidro-Frank L, et al. **Psychiatr Q** 1980 Fall;52(3):163–74
Stagnation in psychotherapy and the development of active technique. Olds DD. **Psychiatry** 1981 May;44(2):133–40
Psychotherapy and research: an anaclitic depression. The Twenty-third Annual Frieda Fromm-Reichmann Memorial Lecture. Parloff MB. **Psychiatry** 1980 Nov; 43(4):279–93
Self, other, and astrology: esoteric therapy in Sri Lanka. Perinbanayagam RS. **Psychiatry** 1981 Feb;44(1):69–79
Electroencephalographic analysis: a methodology for evaluating psychotherapeutic process. Alpert M, et al. **Psychiatry Res** 1980 Jul;2(3):323–9
Clinical uses of mental imagery: experimental foundations, theoretical misconceptions, and research issues. Strosahl KD, et al. **Psychol Bull** 1981 May;89(3):422–38
Critical review of research on psychotherapy outcome with adolescents: 1967–1977. Tramontana GM. **Psychol Bull** 1980 Sep;88(2):429–50
Effect of therapists self-disclosure on patients' impressions of empathy, competence, and trust in an analogue of a psychotherapeutic interaction. Curtis JM. **Psychol Rep** 1981 Feb;48(1):127–36
Treatment of retarded ejaculation with psychotherapy and meditative relaxation: a case report. Delmonte M, et al. **Psychol Rep** 1980 Aug;47(1):8–10
Biofeedback and psychotherapeutic treatment of psoriasis: a brief report. Hughes HH, et al. **Psychol Rep** 1981 Feb; 48(1):99–102
Psychotherapeutic outcome for children in a community mental health center: psychological, demographic, and treatment predictors. Michelson L. **Psychol Rep** 1981 Feb; 48(1):323–6
Psychotherapeutic drug recommendations based on the Mini-Mult. Siddall JW, et al. **Psychol Rep** 1980 Dec;47(3 Pt 2):1283–8
Recent developments in the psychotherapy of depression. Glass RM. **Psychosomatics** 1981 Feb;22(2):110–3
Treatment of essential hyperhidrosis by psychotherapy. Lerer B, et al. **Psychosomatics** 1981 Jun;22(6):536–8
Management of a borderline patients in a surgical setting. Myint SH, et al. **Psychosomatics** 1981 Jan;22(1):71–2
Psychotherapy of Nazi victims. Dreifuss G. **Psychother Psychosom** 1980;34(1):40–4
Individual psychotherapy of schizophrenia. Benedetti G. **Schizophr Bull** 1980;6(4):633–8
[Psychiatric practice] Nielsen J. **Ugeskr Laeger** 1980 Jun 30; 142(27):1771–8 (Eng. Abstr.) **(Dan)**
[Pedophilia] Musaph H. **Ned Tijdschr Geneeskd** 1980 Dec; 124(51):2161–4 **(Dut)**
[Reframing, a type of paradoxical intervention in alcoholics (author's transl)] Boulanger M, et al. **Acta Psychiatr Belg** 1980 Mar–Apr;80(2):227–35 (Eng. Abstr.) **(Fre)**
[The encounter: creditable or discredited?] Crombez JC. **Can J Psychiatry** 1980 Aug;25(5):381–5 (Eng. Abstr.) **(Fre)**
[What is institutional psychotherapy? (author's transl)] Cordier JB. **Neuropsychiatr Enfance Adolesc** 1980 Oct–Nov;28(10–11):451–4 (Eng. Abstr.) **(Fre)**
[Psychotherapy à la carte (author's transl)] Dabbah C, et al. **Neuropsychiatr Enfance Adolesc** 1980 Oct–Nov; 28(10–11):495–8 (Eng. Abstr.) **(Fre)**
[Consideration of certain psychotherapeutic aspects of the management of heroin addicts in hospital (author's transl)] Dugarin J, et al. **Neuropsychiatr Enfance Adolesc** 1980 Jul–Aug;28(7–8):311–7 (Eng. Abstr.) **(Fre)**
[The treatment of a revolution (author's transl)] Vincent M. **Neuropsychiatr Enfance Adolesc** 1980 Oct–Nov; 28(10–11):473–6 (Eng. Abstr.) **(Fre)**
[Current medical practice and psychotherapy] Brisset C. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 128(2):271–9 (Eng. Abstr.) **(Fre)**
[The relationship of psychotherapy to medicine and psychiatry] Schneider PB. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 128(2):227–37 (Eng. Abstr.) **(Fre)**
[Impotence caused by non-organic causes. Psychological diagnosis and psychotherapeutic treatment methods] Schilling E, et al. **Fortschr Med** 1980 Nov 27; 98(44):1748–51 (Eng. Abstr.) **(Ger)**
[Psychotherapeutic support for critically ill children. Examples of case histories (author's transl)] Henningsen F, et al. **MMW** 1981 Feb 13;123(7):251–4 (Eng. Abstr.) **(Ger)**
[Psychotherapeutic care of dying and critically ill children and their relatives (author's transl)] Henningsen F, et al. **MMW** 1981 Feb 13;123(7):247–50 (21 ref.) (Eng. Abstr.) **(Ger)**
[Psychotherapy concepts (II). Behavior therapy. Discussion therapy. The situation of the practising physician (author's transl)] Quint H. **MMW** 1981 Feb 27;123(9):353–6 (Eng. Abstr.) **(Ger)**
[Non-medicinal treatment in psychogeriatrics (author's transl)] Stindl E, et al. **MMW** 1981 Jan 16;123(3):79–83 (Eng. Abstr.) **(Ger)**
[Treatment of delirium tremens: results of an integrated pharmaco-psychotherapeutic approach (author's transl)] Anger B, et al. **Nervenarzt** 1980 Aug;51(8):488–92 **(Ger)**
[Personality structure and psychotherapy in depressive disorders (author's transl)] Matussek P, et al. **Nervenarzt** 1980 Sep;51(9):542–52 **(Ger)**
[Individual and family therapy of schizophrenic psychoses (author's transl)] Schwarz F. **Nervenarzt** 1980 Nov; 51(11):644–53 **(Ger)**
[Work of mourning--one of the many tasks of in-patient psychotherapy in health resorts (author's transl)] Buchmann KE. **Oeff Gesundheitswes** 1980 Nov; 42(11):859–62 (Eng. Abstr.) **(Ger)**
[Psychotherapy in pediatric practice (in psychosomatic diseases)] Mangold B. **Paediatr Paedol** 1980;15(3):205–11 (Eng. Abstr.) **(Ger)**
[Child therapy or family therapy? Reflections on the question of indication] Baethge G. **Prax Kinderpsychol Kinderpsychiatr** 1981 Jul;30(5):159–65 (Eng. Abstr.) **(Ger)**
[The role of projective technics in therapy-oriented diagnosis] Baumgärtel F. **Prax Kinderpsychol Kinderpsychiatr** 1981 Apr;30(3):77–80 (Eng. Abstr.) **(Ger)**
[Reciprocal action model in therapeutic decision-making from diagnostic information] Leistikow J. **Prax Kinderpsychol Kinderpsychiatr** 1981 May–Jun; 30(4):118–24 (Eng. Abstr.) **(Ger)**
[Changes in the long-term psychosis following psychotherapy] Schindler R. **Psychiatr Clin (Basel)** 1980; 13(3–4):206–16 (Eng. Abstr.) **(Ger)**
[Psychotherapeutic hospitals compared supraregionally (author's transl)] Göllner R, et al. **Psychother Psychosom Med Psychol** 1981 Mar;31(2):42–7 (Eng. Abstr.) **(Ger)**
['Supportive therapy' P rediscovered? -- a plea for adaptive psychotherapies (author's transl)] Heim E. **Psychother Psychosom Med Psychol** 1980 Nov;30(6):261–73 (Eng. Abstr.) **(Ger)**
[Empathic competence (author's transl)] Kutter P. **Psychother Psychosom Med Psychol** 1981 Mar;31(2):37–41 (Eng. Abstr.) **(Ger)**
[Professional situation of inpatients in a psychotherapeutic clinic (author's transl)] Volk W, et al. **Psychother Psychosom Med Psychol** 1980 Nov;30(6):280–5 (Eng. Abstr.) **(Ger)**
[Developments in psychotherapy of schizophrenia] Benedetti G. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 128(2):239–49 (Eng. Abstr.) **(Ger)**
[Proximity and distance in psychotherapy] Pintér E. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 128(2):263–9 (Eng. Abstr.) **(Ger)**
[Cognitive psychotherapy] Hautzinger M. **Ther Ggw** 1981 Jul;120(7):620–32 **(Ger)**
[Psychotherapy in childhood with special reference to psychotherapy of handicapped children] Bauersfeld KH. **Ther Umsch** 1981 Apr;38(4):343–7 (Eng. Abstr.) **(Ger)**
[Therapy of alcoholism on the basis of compartmentalized psychiatric care. Etiopathogenesis, diagnostic systems and prognosis of alcoholism] Grüss U, et al. **Z Aerztl Fortbild (Jena)** 1980;74(2):71–7 **(Ger)**
[Psychotherapy in old age - experiences with individual therapy in geriatric and geronto-psychiatric patients] Bircher M. **Z Gerontol** 1981 Jan–Feb;14(1):48–60 (Eng. Abstr.) **(Ger)**
[Therapy through social workers? The tasks of social therapy in the aged] Radebold H, et al. **Z Gerontol** 1981 Jan–Feb; 14(1):61–8 (Eng. Abstr.) **(Ger)**
[Psychotherapy of neurotic disorders in older adults: a new doorway to life] Wertheimer J, et al. **Z Gerontol** 1981 Jan–Feb;14(1):22–33 (Eng. Abstr.) **(Ger)**
[The contribution of systems theory and 'existential integrative psychotherapy' to the relationship of the concepts 'endogenous', 'exogenous', 'psychogenic', and 'sociogenic' in psychic disorders] Bühler KE, et al. **Z Klin Psychol Psychother** 1980;28(2):155–63 (Eng. Abstr.) **(Ger)**
[The effect of setting variables on the therapeutic process] Leuzinger-Meyer M. **Z Klin Psychol Psychother** 1981 Jan; 29(1):14–27 **(Ger)**
[Clinical-psychological examinations on the diagnosis and therapy of psychic maldevelopment] Helm J, et al. **Z Psychol** 1980;188(2):198–225 (Eng. Abstr.) **(Ger)**
[Belief in reincarnation (the 'ogba nje' phenomenon) and its significance for psychotherapy in Nigeria] Ebigbo PO, et al. **Z Psychosom Med Psychoanal** 1981 Jan–Mar;27(1):84–91 (Eng. Abstr.) **(Ger)**
[Relation between yoga and psychotherapy] Sauermann G. **Z Psychosom Med Psychoanal** 1980 Oct–Dec;26(4):364–78 (Eng. Abstr.) **(Ger)**
[The five-step model in positive psychotherapy] Deidenbach H. **ZFA (Stuttgart)** 1981 Apr 20;57(11):806–16 **(Ger)**
[Significance of psychosocial norms in medical practice. The microtrauma theory] Peseschkian N. **ZFA (Stuttgart)** 1981 Apr 20;57(11):817–29 **(Ger)**
[Positive psychotherapy in medical practice. A new model in the treatment of psychiatric and psychosomatic disorders] Peseschkian N. **ZFA (Stuttgart)** 1981 Apr 20; 57(11):795–805 **(Ger)**
[Psychotherapy by a non-psychiatrist] Salfield DJ.

ZFA (Stuttgart) 1981 Jun 20;57(17):1271–4 (Ger)
[Psychotherapy in the light of communication theory] Di Donato R. **Minerva Med** 1981 May 12;72(19):1189–94 (Eng. Abstr.) (Ita)
[Music psychotherapy of neuroses and neurosislike states in overall sanatorium and health resort treatment] Bondarchik MIa. **Voen Med Zh** 1980 Aug;(8):62–3 (Rus)
[Image therapy as a method of rehabilitation in neuroses and mental disorders] Vol'pert IE. **Zh Nevropatol Psikhiatr** 1981;81(3):402–6 (Eng. Abstr.) (Rus)
[The use of psychodiagnostic methods in the therapy of elective mutism (author's transl)] Peškvá M. **Cesk Psychiatr** 1980 Oct;76(5):299–303 (Eng. Abstr.) (Slo)
[Hypnosis as an adjunct to dental and psychotherapeutic management] Frödin A. **Lakartidningen** 1980 Aug 6; 77(32–33):2681–2 (Swe)

STANDARDS

Therapist conflict and management bias [letter] Trappler B. **Can J Psychiatry** 1981 Mar;26(2):140–1
Standards of patient accommodation in psychiatric hospitals in Ireland. Draper RJ. **Ir Med J** 1980 Mar;73(3):132–5
Some notes on the foundations and scope of intensive design. Chassan JB. **Psychiatry** 1981 Feb;44(1):34–8
[The dialogue with the physician midway between objectivity and emotion] **MMW** 1981 Jan 30;123(5):58–60 (Ger)

TRENDS

Reconsidering some recent trends in psychotherapy [letter] Bittker TE. **Am J Psychiatry** 1980 Nov;137(11):1474
The metaphysical nature of psychotherapy [letter] Burra P. **Am J Psychiatry** 1980 Dec;137(12):1623–4
Reconsidering some recent trends in psychotherapy [letter] Dominiak GM. **Am J Psychiatry** 1980 Nov;137(11):1475
Reconsidering some recent trends in psychotherapy [letter] Hoaken PC. **Am J Psychiatry** 1980 Nov;137(11):1474–5
Reconsidering some recent trends in psychotherapy [letter] Mitchell RA. **Am J Psychiatry** 1980 Nov;137(11):1475
[Misadventures of modern psychotherapy (author's transl)] Szafran AW. **Acta Psychiatr Belg** 1979 Nov–Dec; 79(6):601–13 (Eng. Abstr.) (Fre)
[Change in adolescence: repercussions in the relations between psychotherapy and the institutions (author's transl)] Daymas–Lugassy S. **Neuropsychiatr Enfance Adolesc** 1980 Oct–Nov; 28(10–11):461–5 (Eng. Abstr.) (Fre)
[Psychotherapies: current status and perspectives] Garrone G. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 128(2):197–210 (Eng. Abstr.) (Fre)
[The physician and the offers of the psychomarket] Ehebald U. **MMW** 1981 Jan 16;123(3):77–8 (Ger)
[The psychiatric hospital in the process of changing. Reorganization attempts with special reference to social psychiatric and psychotherapeutic measures] Retterstøl N. **Psychiatr Clin (Basel)** 1980;13(3–4):217–33 (Eng. Abstr.) (Ger)
[Trends in the development of psychotherapy in the USSR] Kabanow MM. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Feb;33(2):105–11 (Eng. Abstr.) (Ger)
[Basic trends in the development of forms of organization of psychotherapeutic care of neurotic patients in the USSR] Karwassarski BD. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Feb; 33(2):98–104 (Eng. Abstr.) (Ger)
[Developmental trends in psychotherapeutic concepts and methods] Katzenstein A. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Feb;33(2):112–7 (Eng. Abstr.) (Ger)
[What can we expect from psychotherapy? Present crisis — future development (author's transl)] Moeller ML. **Psychother Psychosom Med Psychol** 1980 Nov;30(6):247–60 (Eng. Abstr.) (Ger)
[Consequences of psychotherapeutic research in recent years for general practice] Heim E. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 128(2):211–26 (Eng. Abstr.) (Ger)
[General medicine and psychotherapy] Sturm D. **Z Aerztl Fortbild (Jena)** 1980 Aug 1;74(15):710–5 (Ger)

PSYCHOTHERAPY, BRIEF

Depressed outpatients. Results one year after treatment with drugs and/or interpersonal psychotherapy. Weissman MM, et al. **Arch Gen Psychiatry** 1981 Jan;38(1):51–5
Brief psychosomatic therapy for consummation of marriage. Bramley HM, et al. **Br J Obstet Gynaecol** 1981 Aug; 88(8):819–24
The Wizard of Oz. A parable of brief psychotherapy. Magder D. **Can J Psychiatry** 1980 Nov;25(7):564–8
Short-term family therapy and pathological grief resolution with children and adolescents. Rosenthal PA. **Fam Process** 1980 Jun;19(2):151–9
Small-group psychotherapy with patients on a short-stay ward: an opportunity for innovation. Erickson RC. **Hosp Community Psychiatry** 1981 Apr;32(4):269–72
Case report: using attribution theory to limit need for neuroleptic medicine. Kriebel GW Jr, et al. **J Am Coll Health Assoc** 1980 Oct;29(2):67–8
Patients' evaluations of the mental health service at a health sciences campus. Weber DJ, et al. **J Am Coll Health Assoc** 1981 Feb;29(4):193–4
Utilization of medical services after short-term psychiatric therapy in a prepaid health plan setting. Goldberg ID, et al. **Med Care** 1981 Jun;19(6):672–86
Brief psychodynamic psychotherapy: interrater agreement and reliability of individually specified outcomes. Armstrong S, et al. **Psychother Psychosom** 1981;35(1):9–21
Ongoing outcome research on short-term dynamic psychotherapy. Sifneos PE, et al. **Psychother Psychosom** 1980;33(4):233–41
[Experiences of short term psychotherapy for schoolchildren] Willerslev I. **Ugeskr Laeger** 1980 Jun 9;142(24):1588–90 (Eng. Abstr.) (Dan)
[Non-formalized aspects of encounters with adolescents (author's transl)] Fabre N. **Neuropsychiatr Enfance Adolesc** 1980 Oct–Nov; 28(10–11):483–5 (Eng. Abstr.) (Fre)

EDUCATION

Training in brief therapy: a survey of psychiatric residency programs. Clarkin JF, et al. **Am J Psychiatry** 1980 Aug; 137(8):978–9

METHODS

TA in brief psychotherapy with college students. Jensen SM, et al. **Adolescence** 1980 Fall;15(59):683–9
Brief group psychotherapy with chronic hemodialysis patients. Campbell DR, et al. **Am J Psychiatry** 1980 Oct; 137(10):1234–7
A conceptual model for short-term inpatient group psychotherapy. Kibel HD. **Am J Psychiatry** 1981 Jan; 138(1):74–80
Brief psychoanalytic psychotherapy of nonpsychotic depression. Bellak L. **Am J Psychother** 1981 Apr; 35(2):160–72
Do psychotherapy and pharmacotherapy for depression conflict? Empirical evidence from a clinical trial. Rounsaville BJ, et al. **Arch Gen Psychiatry** 1981 Jan; 38(1):24–9
Some measures of goal attainment in focussed integrated active psychotherapy: a study of fifteen cases. Ryle A. **Br J Psychiatry** 1980 Nov;137:475–86
Contributions to the theory and practice of short-term dynamic psychotherapy. Winokur M, et al. **Bull Menninger Clin** 1981 Mar;45(2):125–42
Aikido: a model for brief strategic therapy. Saposnek DT. **Fam Process** 1980 Sep;19(3):227–38
Alternative advice and counsel in psychotherapy. Cross DG, et al. **J Consult Clin Psychol** 1980 Oct;48(5):615–25
Trichotillomania in childhood: a case of successful short-term treatment. Litt CJ. **J Pediatr Psychol** 1980 Mar; 5(1):37–42
A method of brief group psychotherapy. Bird JR. **J R Army Med Corps** 1980 Oct;126(3):120–7
Content of treatment goals and outcome of brief therapy. Greer FL. **Psychol Rep** 1980 Oct;47(2):580–2
Influence of the setting on a psychotherapeutic relationship in analytically oriented brief psychotherapy. Gilliéron E. **Psychother Psychosom** 1981;35(1):44–54
[Brief psychotherapy for phobic disorders during latency] Flagey D. **Acta Paedopsychiatr (Basel)** 1980 Nov; 46(3):143–51 (Eng. Abstr.) (Fre)
[Introduction to brief psychotherapy with a psychoanalytic orientation] Gilliéron E, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 128(2):295–305 (Eng. Abstr.) (Fre)
[Controlled examination of an extremely short psychotherapy (15 hours) with guided affective imagery (author's transl)] Wächter HM, et al. **Psychother Psychosom Med Psychol** 1980 Sep; 30(5):193–205 (Eng. Abstr.) (Ger)
[Psychotherapeutic experience with pregnant patients suffering from vomiting] Voronin IuT. **Akush Ginekol (Mosk)** 1980 Jul;(7):38–9 (Rus)
[Use of written instructions before the operation for preventing postoperative pain] Beliaev DG, et al. **Anesteziol Reanimatol** 1980 Aug;(4):62–3 (Rus)
[Various forms of short-term psychotherapy. Symposium] Andersen K, et al. **Lakartidningen** 1981 Mar 4; 78(10):941–50 (Eng. Abstr.) (Swe)

STANDARDS

The impact of a brief psychological intervention on medical care utilization in an Army health care setting. Longobardi PG. **Med Care** 1981 Jun;19(6):665–71

PSYCHOTHERAPY, GROUP

Comparative effectiveness of behavioral and relationship group treatment in the secondary prevention of school maladjustment. Durlak JA. **Am J Community Psychol** 1980 Jun;8(3):327–39
Late dropouts from group psychotherapy. Stone WN, et al. **Am J Psychother** 1980 Jul;34(3):401–13
Group psychotherapy. Bloch S. **Br J Psychiatry** 1981 Feb; 138:167–8
Perceptions by patients and therapists of therapeutic factors in group psychotherapy. Bloch S, et al. **Br J Psychiatry** 1980 Sep;137:274–8
Group behavioral treatment of agoraphobia: a preliminary report. Linder LH. **Compr Psychiatry** 1981 Mar–Apr; 22(2):226–33
The phenomenon of dependency in group therapy. Rakhavry YT, et al. **Egypt J Psychiatry** 1979 Oct;2(2):205–20
A pilot study of an Alzheimer patients' relatives discussion group. Lazarus LW, et al. **Gerontologist** 1981 Aug; 21(4):353–8
Reminiscence group therapy with psychotic geriatric inpatients. Lesser J, et al. **Gerontologist** 1981 Jun; 21(3):291–6
Parental group therapy in the management of two fatal childhood diseases: a comparison. Kornfeld MS, et al. **Health Soc Work** 1980 Nov;5(4):28–34
Humanizing the hospital experience: report of a group program for medical patients. Lonergan EC. **Health Soc Work** 1980 Nov;5(4):53–63
A lithium clinic in a community mental health center. Ellenberg J, et al. **Hosp Community Psychiatry** 1980 Dec; 31(12):834–6
Small-group psychotherapy with patients on a short-stay ward: an opportunity for innovation. Erickson RC. **Hosp Community Psychiatry** 1981 Apr;32(4):269–72
Enhancing medication compliance in coffee groups. Olarte SW, et al. **Hosp Community Psychiatry** 1981 Jun; 32(6):417–9
Symposium: the unanchored self—clinical vignettes of change in narcissistic and borderline patients in groups. **Int J Group Psychother** 1980 Oct;30(4):387–446
Group therapy with gender identity patients. Althof SE, et al. **Int J Group Psychother** 1980 Oct;30(4):481–9
The research evidence for distributed leadership in therapy groups. Beck AP, et al. **Int J Group Psychother** 1981 Jan; 31(1):43–71
Toward a theory of adaptation of analytic group psychotherapy. Buirski P. **Int J Group Psychother** 1980 Oct;30(4):447–59
Ongoing group treatment with severely disturbed medical outpatients: the group formation process. Coven CR. **Int J Group Psychother** 1981 Jan;31(1):99–116
Psychotherapy groups of insufficient size. Fulkerson CC, et al. **Int J Group Psychother** 1981 Jan;31(1):73–81
The importance of a comprehensive clinical diagnosis for group psychotherapy of borderline and narcissistic patients. Kibel HD. **Int J Group Psychother** 1980 Oct;30(4):427–40
Understanding the development of a homogeneous, identity-impaired group through countertransference phenomena. Roth BE. **Int J Group Psychother** 1980 Oct; 30(4):405–26
The group psychotherapy literature: 1979. Silver RJ, et al. **Int J Group Psychother** 1980 Oct;30(4):491–538 (528 ref.)
Combined group and individual treatment of borderline and narcissistic patients: heterogeneous versus homogeneous groups. Wong N. **Int J Group Psychother** 1980 Oct; 30(4):389–404
Structured group intervention for psychiatric patients with social conflicts: a consideration of psychiatric and legal labeling. Fineberg DE, et al. **Int J Soc Psychiatry** 1980; 26(4):263–71
Effectiveness of two procedures for reducing dental fear: group-administered desensitization and group education and discussion. Gatchel RJ. **J Am Dent Assoc** 1980 Oct; 101(4):634–7
Psychosomatic group therapy with parents of children with intractable asthma. XII. The Goldey family. Part II. Abramson HA, et al. **J Asthma Res** 1980 Jan;17(2):81–99
Psychosomatic group therapy with parents of children with intractable asthma. XI: the Goldey family. Part I. Abramson HA, et al. **J Asthma Res** 1979 Oct;17(1):31–47
Experiences with group psychotherapy in the Egyptian culture. The public hospital setting. Shaalân M, et al. **J Egypt Med Assoc** 1978;61(Suppl 1–2):69–78
Description and evaluation of group psychotherapy with 10 long stay patients. Follow-up after 10 years. Borchgrevink M. **J Oslo City Hosp** 1981 Feb;31(2):21–5
Inpatient group psychotherapy for the elderly. Britnell JC, et al. **J Psychiatr Nurs** 1981 May;19(5):19–24
Preparation of psychiatric inpatients for group therapy. Ernst C, et al. **J Psychiatr Nurs** 1981 Jul;19(7):28–33
Group therapy in a pain management program. Gluck MM. **J Psychiatr Nurs** 1980 Nov;18(11):21–5
Group approaches and army health. Bird JR. **J R Army Med Corps** 1980 Oct;126(3):112–9
Group-based care: does it change problem behaviour? van Weel C. **J R Coll Gen Pract** 1980 Nov;30(220):665–70
Sex therapy in an in-patient and out-patient setting. Kratochvíl S. **J Sex Marital Ther** 1980 Summer;6(2):135–44
Pain control: mastery through group experience. Herman E, et al. **Pain** 1981 Feb;10(1):79–86
[Psychiatry and physiotherapy; from team work to joint treatment] Pot CE, et al. **Ned Tijdschr Geneeskd** 1981 May 9;125(19):749–52 (Eng. Abstr.) (Dut)
[Personal pronouns as indicators of interpersonal relations in psychoanalytic group therapy (author's transl)] Cierpka M, et al. **Psychother Psychosom Med Psychol** 1980 Sep; 30(5):212–7 (Eng. Abstr.) (Ger)
[Experiences with a behavior-therapeutic group program for weight reduction] Hornung R, et al. **Soz Praeventivmed** 1980 Sep;25(4):225–7 (Eng. Abstr.) (Ger)
[Group therapy in patients with myocardial infarct aimed at modification of behavior and attitudes] Brenner H. **ZFA (Stuttgart)** 1981 May 10;57(13):997–1002 (Ger)
[Transference in analytic group therapy. Clinical experiences

and theoretical considerations] Conforto C, et al. **Minerva Psichiatr** 1979 Jul–Sep;20(3):191–9 (Eng. Abstr.) **(Ita)**

[Experience in treating a group of alcoholics: preliminary notes after 6 months of treatment] Poldrugo F, et al. **Minerva Psichiatr** 1980 Oct–Dec;21(4):391–4 (Eng. Abstr.) **(Ita)**

[Married couples in group therapy. Experiences from 14 groups in the years 1960–1978] Albretsen CS. **Tidsskr Nor Laegeforen** 1980 Apr 30;100(12):691–3 (Eng. Abstr.) **(Nor)**

ECONOMICS

Resistances encountered in starting a group therapy program for suicide attempters in varied administrative settings. Hackel J, et al. **Suicide Life Threat Behav** 1981 Summer; 11(2):93–8

EDUCATION

Common mistakes made in group psychotherapy by beginning therapists. Spitz HI, et al. **Am J Psychiatry** 1980 Dec;137(12):1619–21

Training in large group therapy. Goering P, et al. **Can J Psychiatry** 1981 Feb;26(1):53–6

Group psychotherapy training: a quest for standards. Salvendy JT. **Can J Psychiatry** 1980 Aug;25(5):394–402

HISTORY

Group approaches and Army health. Bird JR. **J R Army Med Corps** 1980 Oct;126(3):112–9

METHODS

Adolescent psychodynamics and the therapy group. Brockbank R. **Adolesc Psychiatry** 1980;8:529–38

Pre-therapy training for adolescents in group psychotherapy: contracts, guidelines, and pre-therapy preparation. Corder BF, et al. **Adolescence** 1980 Fall;15(59):699–706

The remediation of role disorders through focused group work. Versluys HP. **Am J Occup Ther** 1980 Sep; 34(9):609–14

Brief group psychotherapy with chronic hemodialysis patients. Campbell DR, et al. **Am J Psychiatry** 1980 Oct; 137(10):1234–7

Psychoanalytic group therapy in clinic and private practice. Day M. **Am J Psychiatry** 1981 Jan;138(1):64–9

A conceptual model for short-term inpatient group psychotherapy. Kibel HD. **Am J Psychiatry** 1981 Jan; 138(1):74–80

Principles and practice of conjoint psychoanalytic treatment. Ormont LR. **Am J Psychiatry** 1981 Jan;138(1):69–73

Introduction: three perspectives on psychoanalytic group therapy. Rice CA. **Am J Psychiatry** 1981 Jan;138(1):63–4

Group therapy in the management of manic–depressive illness. Volkmar FR, et al. **Am J Psychother** 1981 Apr; 35(2):226–34

Therapeutic factors in group psychotherapy. A review. Bloch S, et al. **Arch Gen Psychiatry** 1981 May;38(5):519–26

Group support for patients with metastatic cancer. A randomized outcome study. Spiegel D, et al. **Arch Gen Psychiatry** 1981 May;38(5):527–33

Interpersonal variables in behavioural group therapy. Falloon IR. **Br J Med Psychol** 1981 Jun;54(Pt 2):133–41

Group therapy for seriously disturbed boys in residential treatment. Clifford M, et al. **Child Welfare** 1980 Nov; 59(9):560–5

Psychocinema. A creative psychotherapeutic technique. Materazzi MA. **Confin Psychiatr** 1980;23(2):88–92

Psychosocial aspects of neoplastic disease. III. Group support for the oncology nurse. Silberfarb PM, et al. **Gen Hosp Psychiatry** 1980 Sep;2(3):192–7

A socialization group for clients in a partial hospitalization program. Maynard L, et al. **Hosp Community Psychiatry** 1980 Oct;31(10):705–6

Marathon groups: counseling the imprisoned drug abuser. Page RC. **Int J Addict** 1980;15(5):765–70

Combined individual and group therapy for Vietnam veterans. Brende JO. **Int J Group Psychother** 1981 Jul; 31(3):367–78

Utilizing marathon therapy in a drug and alcohol rehabilitation program. Cohen ES, et al. **Int J Group Psychother** 1981 Jan;31(1):117–23

A study of curative factors in group psychotherapy with adolescents. Corder BF, et al. **Int J Group Psychother** 1981 Jul;31(3):345–54

Uses of the self-run group in a child-guidance setting. Dube BD, et al. **Int J Group Psychother** 1980 Oct;30(4):461–79

Simultaneous semipermeable groups for mothers and their early latency-age boys. Hoffman TE Jr, et al. **Int J Group Psychother** 1981 Jan;31(1):83–98

Inpatient group psychotherapy from a systems perspective: reflections through a glass darkly. Klein RH, et al. **Int J Group Psychother** 1981 Jul;31(3):311–28

Treatment of disturbed children in verbal and experimental group psychotherapy. Lockwood JL. **Int J Group Psychother** 1981 Jul;31(3):355–66

Measurement of group climate. MacKenzie KR. **Int J Group Psychother** 1981 Jul;31(3):287–95

The frame of reference of group psychotherapy. Pines M. **Int J Group Psychother** 1981 Jul;31(3):275–85

Boundary maintenance in inpatient therapy groups. Rice CA, et al. **Int J Group Psychother** 1981 Jul;31(3):297–309

Technical advances in leading a cancer patient group. Ringler KE, et al. **Int J Group Psychother** 1981 Jul;31(3):329–44

Group therapy in the treatment of Vietnam combat veterans. Walker JI, et al. **Int J Group Psychother** 1981 Jul; 31(3):379–89

Treating the untreatables: a group experience with somaticizing borderline patients. Schreter RK. **Int J Psychiatry Med** 1980–81;10(3):205–15

A verbal group technique for ego-disturbed children: action to words. Blotcky MJ, et al. **Int J Psychoanal Psychother** 1980–81;8:203–32

What did the therapists say? What did the therapists do? Meeks JE. **Int J Psychoanal Psychother** 1980–81;8:233–41

The psychotherapeutic value of a more homogeneous group composition. Cabral RJ, et al. **Int J Soc Psychiatry** 1981; 27(1):43–6

The treatment of adolescents and their parents in group settings in a psychiatric hospital. Elizur A, et al. **Int J Soc Psychiatry** 1981 Summer;27(2):83–91

Long term therapeutic effects of a three month intensive growth group. Sulzbacher S, et al. **J Clin Psychiatry** 1981 Apr;42(4):148–53

An approach to the therapeutic evaluation of prison inmates. Feinberg R, et al. **J Psychiatr Nurs** 1981 Jan;19(1):14–6

Couples group treatment of chronic marital dysfunction. Smith DS, et al. **J Psychiatr Nurs** 1980 Nov;18(11):30–6

A method of brief group psychotherapy. Bird JR. **J R Army Med Corps** 1980 Oct;126(3):120–7

A method of brief group psychotherapy. Bird JR. **J R Army Med Corps** 1980 Oct;126(3):120–7

Group psychotherapy in prison. A proper role for the psychiatrist. Rappaport RG. **Med Trial Tech Q** 1981 Winter;28(3):249–71

The effect of an ongoing bereavement group program in support of independent living. Strauss L. **Milit Med** 1980 Dec;145(12):849–50

Existential dialectics in therapeutic groups. Rettig S. **Psychiatr Q** 1981 Spring;53(1):33–52

Behavioral study of two patient groups during psychotherapy. Friedmann CT, et al. **Psychol Rep** 1980 Oct;47(2):575–9

Group therapy with chronic pain patients. Hendler N, et al. **Psychosomatics** 1981 Apr;22(4):333, 337–8, 340

Different models of analytic group psychotherapy. A comparative survey. Verhaest S, et al. **Psychother Psychosom** 1980;34(1):1–10

[Experience with group psychotherapy in the conditions of district and works psychiatric outpatients' care (author's transl)] Krombholz J, et al. **Cesk Psychiatr** 1980; 76(6):399–404 (Eng. Abstr.) **(Cze)**

[On the problems of group psychotherapy of gerontopsychiatric patients (author's transl)] Kunčar K. **Cesk Psychiatr** 1980 Jun;76(3):191–3 (Eng. Abstr.) **(Cze)**

[The 'community meeting' in a therapeutic community (author's transl)] Kindts P, et al. **Acta Psychiatr Belg** 1980 May–Jun;80(3):295–306 (Eng. Abstr.) **(Fre)**

[Systematic approach to temporary group psychotherapy for parents] Deumie L. **Ann Med Psychol (Paris)** 1980; 138(8):1002–12 **(Fre)**

[Psychotherapy of a child accompanied by his mother during a course of treatment in an institution (author's transl)] Bréon S, et al. **Neuropsychiatr Enfance Adolesc** 1980 Sep; 28(9):383–6 (Eng. Abstr.) **(Fre)**

[Psychiatric practice as it appears in the Balint group] Guyotat J. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 128(2):251–61 (Eng. Abstr.) **(Fre)**

[Balint groups in institutions] Drees A. **Fortschr Med** 1980 Oct 23;98(40):1554–8 (Eng. Abstr.) **(Ger)**

[Psychological group treatments of patients with essential hypertension in a general practice--results of a pilot study (author's transl)] Basler HD, et al. **MMW** 1981 Feb 6; 123(6):221–4 (Eng. Abstr.) **(Ger)**

[Institutional-ambulatory group psychotherapy. A longterm treatment model] Rüger U. **Monogr Gesamtgeb Psychiatr (Berlin)** 1981;27:1–138 (Eng. Abstr.) **(Ger)**

[Group therapy with children and adolescents in the clinic and at home] Haar R. **Prax Kinderpsychol Kinderpsychiatr** 1980 Jul;29(5):182–94 (Eng. Abstr.) **(Ger)**

[Autogenic training in the child therapy group. Demonstration of a concept] Lischke-Naumann G, et al. **Prax Kinderpsychol Kinderpsychiatr** 1981 May–Jun; 30(4):109–18 (Eng. Abstr.) **(Ger)**

[Practice in social competence. Experiences in the development and carrying out of a group therapy program for children] Mattejat F, et al. **Prax Kinderpsychol Kinderpsychiatr** 1981 Mar;30(2):62–70 (Eng. Abstr.) **(Ger)**

[Client-centered group therapy in the treatment of anorexia nervosa] Schmitt GM. **Prax Kinderpsychol Kinderpsychiatr** 1980 Oct;29(7):247–51 (Eng. Abstr.) **(Ger)**

[Experiences with structured group therapy in the tea shop of a contact and counseling service for adolescents] Westphal R. **Prax Kinderpsychol Kinderpsychiatr** 1980 Jul; 29(5):194–200 (Eng. Abstr.) **(Ger)**

[Follow-up examination of neurotic patients after dynamic group therapy with the FPI and a change questionnaire] Fischer W, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 May;33(5):275–80 (Eng. Abstr.) **(Ger)**

[Communication training in the system of dynamic group psychotherapy] Göth J, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1980 Aug; 32(8):485–91 (Eng. Abstr.) **(Ger)**

[Changes in the relation between therapist and group in the phases of intended dynamic group psychotherapy] Höck K, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1980 Nov; 32(11):677–85 (Eng. Abstr.) **(Ger)**

[Group therapy with the theme-centered interaction method within the framework of a stationary psychiatric treatment (author's transl)] Hennemann U, et al. **Psychother Psychosom Med Psychol** 1980 Nov;30(6):274–9 (Eng. Abstr.) **(Ger)**

[Group therapy in the psychiatric clinic] Laemmel K. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 128(2):281–93 (Eng. Abstr.) **(Ger)**

[Experiences in implementing a dynamically oriented group therapy in myocardial infarct patients and their spouses] Eichhorn G, et al. **Z Gesamte Inn Med** 1980 Aug 1; 35(15):611–5 (Eng. Abstr.) **(Ger)**

STANDARDS

Social ecology: a method for evaluating groups. Waters JE, et al. **Int J Soc Psychiatry** 1980;26(4):272–9

Feedback of therapeutic skills for quality assessment within ward sessions in psychiatry. Reinhoff O, et al. **Methods Inf Med** 1981 Jan;20(1):23–7

TRENDS

Group psychotherapy today [editorial] Reid FT Jr. **Am J Psychiatry** 1981 Jan;138(1):56–7

PSYCHOTHERAPY, MULTIPLE

Some cotherapy techniques with families. Hannum JW. **Fam Process** 1980 Jun;19(2):161–8

METHODS

Principles and practice of conjoint psychoanalytic treatment. Ormont LR. **Am J Psychiatry** 1981 Jan;138(1):69–73

STANDARDS

The evaluation of co-leading a gestalt group. Durald MM, et al. **J Psychiatr Nurs** 1980 Dec;18(12):19–23

PSYCHOTHERAPY, RATIONAL-EMOTIVE see under **PSYCHOTHERAPY**

PSYCHOTIC DISORDERS

A model of the functional psychoses. Nunn CM. **Acta Psychiatr Scand** 1980 July;62(1):75–84

Schizoaffective disorder and drug-free improvement [letter] Bryant RC. **Arch Gen Psychiatry** 1981 Feb;38(2):231–3

Informed consent: psychotic patients and research. Mills MJ, et al. **Bull Am Acad Psychiatry Law** 1980;8(2):119–32

Interface between psychiatry and the law on the issue of murder. Bell CC. **J Natl Med Assoc** 1980 Nov; 72(11):1093–7

[Antihistamine abuse. Prolonged abuse of diphenhydramine in a patient with psychotic episodes] Skovgaard-Petersen K. **Ugeskr Laeger** 1980 Sep 22;142(39):2556–7 (Eng. Abstr.) **(Dan)**

BLOOD

Changes in osmotic resistance of leucocytes in mental illnesses. Erban L, et al. **Act Nerv Super (Praha)** 1981 Jun; 23(2):102–5

Platelet and erythrocyte membrane lipid and phospholipid patterns in different types of mental patients. Sengupta N, et al. **Biochem Med** 1981 Jun;25(3):267–75

Influence of route of administration on haloperidol plasma levels in psychotic patients. Bianchetti G, et al. **Int J Clin Pharmacol Ther Toxicol** 1980 Jul;18(7):324–7

[Pathological lability of venous fasting blood sugar regulation in psychotic disease] Klempel K, et al. **Psychiatr Clin (Basel)** 1979;12(4):216–32 (Eng. Abstr.) **(Ger)**

[Phenylalanine burden in endogenous psychoses] Uebelhack R, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1980 Oct; 32(10):631–3 **(Ger)**

CEREBROSPINAL FLUID

Cerebrospinal fluid homovanillic acid patterns during neuroleptic treatment. Bowers MB Jr, et al. **Psychiatry Res** 1981 Jun;4(3):285–90

CSF GABA in psychotic disorders. Bowers MB Jr, et al. **Psychopharmacology (Berlin)** 1980;70(3):279–82

CLASSIFICATION

A critical analysis of French psychiatric nosology. Hooton A, et al. **Can J Psychiatry** 1981 Mar;26(2):120–5 **(Eng, Fre)**

[Symptom psychosis - symptomatic psychoses] Werner W. **Lebensversicherungsmedizin** 1981 Jan 1;33(1):3–7 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Diagnosis and management of hypochondriacal psychosis

[letter] Krass ME. **Can Med Assoc J** 1981 Apr 15; 124(8):968–9

The psychosedative effect of chlordesmethyldiazepam on anxiety states in neurotic and psychotic inpatients. Paradiso L, et al. **Clin Ther** 1980;3(3):194–9

Psychosis and cerebellar degeneration. Kutty IN, et al. **J Nerv Ment Dis** 1981 Jun;169(6):390–1

A five year follow-up study of thirty-five hospitalized drug addicts with a high incidence of psychosis. Stang J, et al. **J Oslo City Hosp** 1981 Feb;31(2):17–20

Psychosomatics of cryptococcosis. Andrew B, et al. **Papua New Guinea Med J** 1980 Mar;23(1):51–3

Familial amyotrophic lateral sclerosis, dementia, and psychosis. Burnstein MH. **Psychosomatics** 1981 Feb; 22(2):151, 155–7

[Malignant neoplasms in mental disorders] Náměstek S. **Cesk Zdrav** 1980 Sep;28(8–9):379–87 (Eng. Abstr.) **(Cze)**

[Psychoses in temporal lobe epilepsy] Goll K. **Ugeskr Laeger** 1980 Nov 3;142(45):2965–7 (Eng. Abstr.) **(Dan)**

[Sleep of psychotic children] Ferrey-Hanin D. **Neuropsychiatr Enfance Adolesc** 1980 Apr–May; 28(4–5):216–20 **(Fre)**

[Orientation problems of psychotic deaf and psychotic deaf-blind patients] Coll J, et al. **Rev Laryngol Otol Rhinol (Bord)** 1981 Mar–Apr; 102(3–4):159–62 **(Fre)**

[Mortality in hospitalized psychiatric patients (results from a 5-year study) (author's transl)] Schwalb H, et al. **Fortschr Neurol Psychiatr** 1980 Nov;48(11):616–27 (Eng. Abstr.) **(Ger)**

[Epileptic psychoses] Bertini E, et al. **Riv Neurol** 1980 Jan–Feb;50(1):32–43 (Eng. Abstr.) **(Ita)**

[Psychoses in oligophrenics] Golodets RG, et al. **Zh Nevropatol Psikhiatr** 1981;81(3):378–83 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Psychiatric presentations of hypothyroidism. McGaffee J, et al. **Am Fam Physician** 1981 May;23(5):129–33

Puerperal Psychosis. Phenomena and diagnosis. Brockington IF, et al. **Arch Gen Psychiatry** 1981 Jul;38(7):829–33

A comparison of information sources in the study of psychotic illness. Downing AR, et al. **Br J Psychiatry** 1980 Jul;137:38–44

Epileptic psychosis--diagnostic comparison with process schizophrenia. Perez MM, et al. **Br J Psychiatry** 1980 Sep; 137:245–9

Diagnosis and management of hypochondriacal psychosis [letter] Pollock BG. **Can Med Assoc J** 1980 Oct 18; 123(8):722

A contribution to the course and prognosis of the atypical psychosis. Kimura S, et al. **Folia Psychiatr Neurol Jpn** 1980; 34(4):419–32

38-year-old mother with psychotic symptoms and affective disorder. Frances A. **Hosp Community Psychiatry** 1981 Apr;32(4):243–4

Stimuli triggering violence in psychoses. Pontius AA. **J Forensic Sci** 1981 Jan;26(1):123–8

When a schizoaffective diagnosis has meaning. Himmelhoch JM, et al. **J Nerv Ment Dis** 1981 May;169(5):277–82

Covariance of affective and schizophrenic symptoms in schizoaffective psychosis. Silva JA, et al. **J Nerv Ment Dis** 1980 Sep;168(9):559–61

Diagnosis of psychiatric disorder in the severely and profoundly retarded patient. Reid AH. **J R Soc Med** 1980 Sep;73(9):607–9

Recent advances in the epidemiological study of minor psychiatric disorder [letter] Williams P, et al. **J R Soc Med** 1980 Sep;73(9):679–80

The concept of disease in psychiatry. Wing JK. **J R Soc Med** 1979 May;72(5):316–21

Depressed patients with schizophrenic or paranoid symptoms. Brockington IF, et al. **Psychol Med** 1980 Nov; 10(4):665–75

Delirium or psychosis? Diagnostic use of the sodium amobarbital interview. Santos AB Jr, et al. **Psychosomatics** 1980 Oct;21(10):863–4

Frontal lobe lesions and behavior. Andy OJ, et al. **South Med J** 1981 Aug;74(8):968–72

[Current forms of persistent chronic hallucinatory psychosis] Le Roux A. **Ann Med Psychol (Paris)** 1980 Dec; 138(10):1199–212 (Eng. Abstr.) **(Fre)**

[Differential diagnosis of periodic juvenile psychoses] Berger E. **Acta Paedopsychiatr (Basel)** 1980 Sep;46(1–2):7–19 (Eng. Abstr.) **(Ger)**

[What does the psychiatrist expect as to computerized tomography? (author's transl)] Huber G. **Fortschr Neurol Psychiatr** 1980 Jul;48(7):385–92 (Eng. Abstr.) **(Ger)**

[Diagnosis and treatment of endogenous psychoses (author's transl)] Hesse C. **MMW** 1980 Dec 12;122(50):1803–7 (Eng. Abstr.) **(Ger)**

[The schizo-affective borderland and the 19th century concept of primary and secondary psychic disturbances (author's transl)] Janzarik W. **Nervenarzt** 1980 May; 51(5):272–9 **(Ger)**

[Schizophrenic-depressive-schizoaffective disorders (author's transl)] Scharfetter C. **Praxis** 1981 Feb 3; 70(6):200–5 (Eng. Abstr.) **(Ger)**

[The structured psychopathological determination systems SPES-A and SPES-B] Grünes JU. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Jun;33(6):327–9 **(Ger)**

[What is a psychotic disorder? Definition, psychopathology and systematics] Guth W. **ZFA (Stuttgart)** 1981 Mar 20; 57(8):588–94 **(Ger)**

[Importance of the early diagnosis of relational disorders] Di Cagno L. **Minerva Pediatr** 1981 Jul 15;33(13):609–15 **(Ita)**

[Psychogenically modified schizophrenia and reactive psychosis (differential diagnostic aspect)] Gerasimov SV. **Zh Nevropatol Psikhiatr** 1980;80(9):1343–8 (Eng. Abstr.) **(Rus)**

[Features of the clinical picture and course of schizoaffective psychoses in adolescents] Lichko AE, et al. **Zh Nevropatol Psikhiatr** 1980;80(10):1524–8 (Eng. Abstr.) **(Rus)**

[Certain debatable matters in our understanding of periodic psychoses] Makeev GA. **Zh Nevropatol Psikhiatr** 1980; 80(5):770–4 **(Rus)**

[Concerning a single variety of intermediate or 'mixed' psychoses] Severnyĭ AA. **Zh Nevropatol Psikhiatr** 1980; 80(9):1348–54 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Intramuscular haloperidol decanoate for neuroleptic maintenance therapy. Efficacy, dosage schedule and plasma levels. An open multicenter study. Deberdt R, et al. **Acta Psychiatr Scand** 1980 Oct;62(4):356–63

Abscesses following prolonged intramuscular administration of perphenazine enantate. Starmark JE, et al. **Acta Psychiatr Scand** 1980 Aug;62(2):154–7

Antidepressants: old drugs, new uses. Harris E. **Am J Nurs** 1981 Jul;81(7):1308–9

Antipsychotic medications. Harris E. **Am J Nurs** 1981 Jul; 81(7):1316–23

Reversibility of long-term tardive dyskinesia associated with antiparkinsonian medication: a case report. Good MI. **Am J Psychiatry** 1981 Aug;138(8):1112–3

Clonidine therapy for psychosis and tardive dyskinesia [letter] Lechin F, et al. **Am J Psychiatry** 1981 Mar;138(3):390

Current concepts of lithium therapy. Srinivasan DP, et al. **Br J Hosp Med** 1980 Nov;24(5):466, 468, 470 passim

Rapid parenteral treatment of acute psychosis. Menuck M, et al. **Compr Psychiatry** 1981 Jul–Aug;22(4):351–61 (69 ref.)

Using drug holidays for chronic outpatients. Sharer DR, et al. **Hosp Community Psychiatry** 1981 Jun;32(6):420–1

Clinical evaluation of bromperidol versus haloperidol in psychotic patients. Denijs EL. **Int Pharmacopsychiatry** 1980;15(5):309–17

Lithium combined with neuroleptics in chronic schizophrenic and schizoaffective patients. Carman JS, et al. **J Clin Psychiatry** 1981 Mar;42(3):124–8

Protocols for the use of psychoactive drugs--Part I: Protocol for the treatment of psychosis with antipsychotics. Johnston JA, et al. **J Clin Psychiatry** 1980 Nov;41(11):375–7

The effects of neuroleptic drugs on the social interactions of hospitalized psychotic patients. Rosen AJ, et al. **J Nerv Ment Dis** 1981 Apr;169(4):240–3

Intramuscular thiothixene in acute psychotic states. de Silva FP, et al. **NZ Med J** 1980 Dec 24;92(674):459–61

Nursing care of patients on lithium. Hunn S, et al. **Perspect Psychiatr Care** 1980 Sep–Oct;18(5):214–20

Use of psychotropic drugs in psychiatric conditions; psychiatric problems - recent advances in diagnosis and treatment. Tupin JP. **Proc Annu Meet Med Sect Am Counc Life Insur** 1980; 5:67–85

Concentrations of monoamine metabolites and chlorpromazine in cerebrospinal fluid for prediction of therapeutic response in psychotic patients treated with neuroleptic drugs. Sedvall G. **Prog Biochem Pharmacol** 1980;16:133–40

Classification of endorphins/enkephalins in brain physiology and pathology (based on EEG and clinical study of synthetically-modified methionine-enkephalin). Roubicek J, et al. **Prog Neuropsychopharmacol** 1980;4(4–5):507–18

A symptom profile analysis of antipsychotic drug treatment: nonparametric multidimensional technique. Shalif I, et al. **Psychiatry Res** 1981 Feb;4(1):1–12

Increased serum prolactin levels during phenothiazine and butyrophenone treatment of six postpartum women. Goode DJ, et al. **Psychoneuroendocrinology** 1980 Dec;5(4):345–51

The pharmacological treatment of schizoaffective disorder-depressed: a review of the literature [proceedings] Spiker DG. **Psychopharmacol Bull** 1981 Jan;17(1):75–8

Neuroleptic blood levels and therapeutic effect. Cohen BM, et al. **Psychopharmacology (Berlin)** 1980;70(2):191–3

Chlorprothixene drops in clinical practice. Pazdírek S, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1980;23(4):471–9

[Clinical observations on 123 cases of psychoses treated by traditional Chinese medicine (author's transl)] Liu ZX. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1980 Feb; 13(2):110–3 **(Chi)**

[Periodic psychoses and its treatment of promoting blood circulation and relieving stasis (author's transl)] Zhou K. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1980 Feb; 13(2):114–6 **(Chi)**

[Orientation clinical testing of the preparation Chlorazin in hospitalized psychiatric patients (author's transl)] Kabeš J, et al. **Cesk Psychiatr** 1980 Oct;76(5):320–5 (Eng. Abstr.) **(Cze)**

[Clinical experience with the preparation lithium carbonicum retard in psychiatry (author's transl)] Zapletálek M, et al. **Cesk Psychiatr** 1981 Apr;77(2):110–5 (Eng. Abstr.) **(Cze)**

[Dosage of neuroleptics (author's transl)] Haase HJ. **MMW** 1980 Dec 12;122(50):1808–13 (Eng. Abstr.) **(Ger)**

[Pharmacological treatment of psychiatric emergencies in general practice (author's transl)] Wildbolz A. **Praxis** 1981 Feb 3;70(6):211–4 (Eng. Abstr.) **(Ger)**

[Scopolamine in cholinolytic treatment] Krzyminski S. **Psychiatr Pol** 1980 Nov-Dec;14(6):635–40 **(Pol)**

[Experience in using fenazepam to treat psychotic patients] Nuller IuL, et al. **Zh Nevropatol Psikhiatr** 1980; 80(6):914–20 (Eng. Abstr.) **(Rus)**

[Results of treatment by Moditen Depot in outpatients' wards in the South Moravian Region (author's transl)] Rektor L, et al. **Cesk Psychiatr** 1980;76(6):369–75 (Eng. Abstr.) **(Slo)**

ENZYMOLOGY

Raised monoamine oxidase in acute psychosis? [editorial] Mathew RJ, et al. **Br J Psychiatry** 1980 Sep;137:301–2

Catechol-O-methyltransferase of erythrocytes in patients with endogenous psychoses. Philippu G, et al. **Psychiatry Res** 1981 Apr;4(2):139–46

ETIOLOGY

Surgical treatment of sleep-apnea-associated psychosis. Martin PR, et al. **Can Med Assoc J** 1981 Apr 15; 124(8):978–80

Psychiatric emergencies in endocrine and metabolic disease. Oakeley HF. **Clin Endocrinol Metab** 1980 Nov;9(3):615–24

Acute encephalitis presented with psychotic symptoms in children. Boonyaprakob V, et al. **J Med Assoc Thai** 1981 May;64(5):249–55

Psychosis associated with oral contraceptive-induced chorea. Sale I, et al. **Med J Aust** 1981 Jan 24;1(2):79–80

Psychiatric disturbances associated with systemic lupus erythematosus and pemphigus vulgaris. Nwaefuna A, et al. **Trop Doct** 1981 Jul;11(3):103–5

[Psychoses and meditation] Hansen W. **Ugeskr Laeger** 1980 Dec 29;143(1):20–2 (Eng. Abstr.) **(Dan)**

[Clinical characteristics of psychoses in the early puerperal period] Prorokova VK, et al. **Akush Ginekol (Mosk)** 1980 Jul;(7):40–1 **(Rus)**

[Certain patterns in the effect of premorbid backgrounds on the shape of reactive psychoses] Kudriavtsev IA. **Zh Nevropatol Psikhiatr** 1980;80(9):1364–70 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Family tree gives clues to treating psychoses. Targum SD. **Am Pharm** 1980 Nov;20(11):44–7

The genetic contribution to the functional psychoses. Reveley A, et al. **Br J Hosp Med** 1980 Aug;24(2):166, 169–71

Psychose passionnelle in successive generations. Berry J, et al. **Br J Psychiatry** 1980 Dec;137:574–5

Subdividing the functional psychoses: a family hereditary approach. Scharfetter C. **Psychol Med** 1981 Aug; 11(3):637–40

Genetic nature of schizoaffective disorder [proceedings] Wagener DK. **Psychopharmacol Bull** 1981 Jan;17(1):79–80

The group of schizophrenias, schizoaffective psychoses, and affective disorders. Scharfetter C, et al. **Schizophr Bull** 1980;6(4):586–91

[A heredofamilial study of schizoaffective psychosis (author's transl)] Xia ZY. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1979; 12(1):1–3 **(Chi)**

[Psychoses with early manifestations and psychoses with late manifestations: contribution of genetic analysis] Carlier M, et al. **Psychiatr Enfant** 1979;22(2):473–502 **(Fre)**

[Classification of endogenous psychoses from a genetic viewpoint] Scharfetter C. **Schweiz Arch Neurol Neurochir Psychiatr** 1979; 125(2):301–13 (Eng. Abstr.) **(Ger)**

[Genetics of endogenous psychoses] Zerbin-Rüdin E. **Schweiz Arch Neurol Neurochir Psychiatr** 1979; 125(2):287–99 (Eng. Abstr.) **(Ger)**

HISTORY

Richard Carew on the treatment of a 'franticke person' in medieval Cornwall. Lewis TH. **J Hist Med Allied Sci** 1981 Jan;36(1):64–6

IMMUNOLOGY

Antibodies to Epstein-Barr virus, herpes simplex type 1, cytomegalovirus and measles virus in psychiatric patients. Gotlieb-Stematsky T, et al. **Arch Virol** 1981;67(4):333–9

Endogenous psychoses and T and B lymphocytes. Dvořáková M, et al. **Folia Haematol (Leipz)** 1980; 107(2):221–8

[Histocompatibility antigens (HLA A and B) in early child psychoses (letter)] Goudemand M, et al. **Nouv Presse Med** 1980 Nov 15;9(43):3278 **(Fre)**

[HLA-system in psychiatric research (author's transl)] Gattaz WF, et al. **Fortschr Neurol Psychiatr** 1981 Apr;49(4):145–51 (Eng. Abstr.) **(Ger)**

[Immunologic studies of neuropsychiatric diseases] Semenov SF. **Zh Nevropatol Psikhiatr** 1981;81(4):602–5 (33 ref.) **(Rus)**

[Autoimmune processes in psychoses] Jovičić A, et al. **Med Pregl** 1980;33(3–4):157–60 **(Scr)**

METABOLISM

Clinical processes and central dopaminergic activity in psychotic disorders. Bowers MB Jr, et al. **Commun Psychopharmacol** 1980;4(3):177–83

Monopyrroles in porphyria, psychosis and lead exposure. Moore MR, et al. **Int J Biochem** 1980;12(5–6):827–32

Neurotransmitter receptors–biochemistry and alterations in nueropsychiatric disorders. Olsen RW, et al. **Life Sci** 1980 Sep 8;27(10):801–8 (127 ref.)

Concentrations of chlorpromazine and two of its active metabolites in plasma and cerebrospinal fluid of psychotic patients treated with fixed drug doses. Wode-Helgodt B, et al. **Psychopharmacology (Berlin)** 1981;73(1):55–62

MORTALITY

[Frequency of suicidal acts in psychoses] Lipanov RG. **Zh Nevropatol Psikhiatr** 1980;80(8):1204–8 (Eng. Abstr.) **(Rus)**

NURSING

Nursing care of patients on lithium. Hunn S, et al. **Perspect Psychiatr Care** 1980 Sep–Oct;18(5):214–20

OCCURRENCE

Selected aspects of the epidemiology of psychoses in Croatia, Yugoslavia. IV. Representative sample of Croatia and results of the survey. Lemkau PV, et al. **Am J Epidemiol** 1980 Nov;112(5):661–74

Postpartum and postabortion psychotic reactions. David HP, et al. **Fam Plann Perspect** 1981 Mar–Apr;13(2):88–9,91–2

Potential problems of detecting and treating psychosis in the White House. Potential psychosis in the White House. Gambill J. **Int J Soc Psychiatry** 1980;26(4):255–62

Some social and phenomenological characteristics of psychotic immigrants. Littlewood R, et al. **Psychol Med** 1981 May;11(2):289–302

Acute psychotic reactions in Caribbean-born patients. Littlewood R, et al. **Psychol Med** 1981 May;11(2):303–18

[An epidemiologic survey of the psychoses in Sizhuan Province (author's transl)] Liu XH. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1980; 13(1):7–9 **(Chi)**

[An epidemiologic investigation of psychoses in Laoshan County of Qingdao (author's transl)] Ma SP. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1980; 13(1):22–3 **(Chi)**

[An investigation of psychoses in Hunan Province (author's transl)] Yang DS. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1980; 13(1):15–8 **(Chi)**

[Biological rhythms in psychopathology (biological patterns in psychiatry)] Ivanov FI. **Zh Nevropatol Psikhiatr** 1981; 81(4):589–97 (Eng. Abstr.) **(Rus)**

[Geriatric problems of a psychiatric department in a 10–year interval (author's transl)] Zahradník M, et al. **Cesk Psychiatr** 1980 Aug;76(4):264–9 (Eng. Abstr.) **(Slo)**

PHYSIOPATHOLOGY

Left hand, right hand [letter] Eccleston D, et al. **Br Med J [Clin Res]** 1981 Apr 11;282(6271):1236–7

Childhood psychosis and 24–h rhythms: A behavioral and psychophysiological analysis. Romanczyk RG, et al. **Chronobiologia** 1980 Jan–Mar;7(1):1–14

Epileptic psychosis: its electroencephalographic manifestation and follow–up study. Onuma T, et al. **Folia Psychiatr Neurol Jpn** 1980;34(3):338–9

[Night sleep study in acute and chronic psychosis (author's transl)] Julien R, et al. **Encephale** 1980;6(4):371–80 (Eng. Abstr.) **(Fre)**

[Physiopathology of endogenous psychoses] Tissot R. **Schweiz Arch Neurol Neurochir Psychiatr** 1979; 125(2):253–63 (Eng. Abstr.) **(Fre)**

[Psychophysiology of endogenous psychoses] Heimann H. **Schweiz Arch Neurol Neurochir Psychiatr** 1979; 125(2):231–52 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Side effects in preventive maintenance therapy with neuroleptics with special emphasis on tardive dyskinesia. Logothetis J, et al. **Bibl Psychiatr** 1981;(160):22–9

[Experiences in the establishment and consolidation of a 3–tier network for the prevention and treatment of psychoses in rural districts (author's transl)] **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1979; 12(1):14–6 **(Chi)**

[Unsolved problems in the indications for lithium prophylaxis in affective and schizoaffective disorders] Angst J. **Bibl Psychiatr** 1981;(161):32–44 (Eng. Abstr.) **(Ger)**

[Lithium prophylaxis in schizoaffective psychoses] Lenz G, et al. **Bibl Psychiatr** 1981;(161):45–57 (54 ref.) **(Ger)**

[Comparative characteristics of the preventive properties of short–acting and delayed–action lithium carbonate in endogenous affective psychoses] Panteleeva GP, et al. **Zh Nevropatol Psikhiatr** 1981;81(3):406–12 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Cognitive, affective and psychometric study of personality in schizo–affective and hebephrenic patients. Zöld B, et al. **Act Nerv Super (Praha)** 1979 Jul;Suppl 2:384

Psychogenic psychoses. A retrospective study with special reference to clinical course and prognosis. Andersen J, et al. **Acta Psychiatr Scand** 1980 Oct;62(4):331–42

Twenty–eighth Annual Karen Horney Lecture: Diegophrenia and genius. Wolf A. **Am J Psychoanal** 1980 Fall;40(3):213–26

Schizoaffective disorder: criteria and prevalence [letter] Mattes J. **Arch Gen Psychiatry** 1981 Jul;38(7):843–4

Epileptic Psychosis and the occurring conditions. Sugano K, et al. **Folia Psychiatr Neurol Jpn** 1980;34(3):340–2

Ganser state: a case of hysterical pseudodementia. Steinhart MJ. **Gen Hosp Psychiatry** 1980 Sep;2(3):226–8

Discharged patients who desire to return to the hospital. Kinard EM. **Hosp Community Psychiatry** 1981 Mar; 32(3):194–7

Heterosexual relationships of psychiatric patients established during their treatment. Velek M, et al. **Int J Soc Psychiatry** 1981 Summer;27(2):111–8

Orientation towards freedom in normals, psychotics and psychosomatic patients. Bachar E, et al. **Isr J Psychiatr Relat Sci** 1981;18(1):57–67

A behavior management program to increase social responses in psychogeriatric patients. Nigl AJ, et al. **J Am Geriatr Soc** 1981 Feb;29(2):92–5

The importance of cultural factors in a brief reactive psychosis. Krieger MJ, et al. **J Clin Psychiatry** 1981 Jun; 42(6):248–9

Decision–theoretic approach for WAIS short forms with an inpatient psychiatric population. Robertson DU, et al. **J Consult Clin Psychol** 1980 Oct;48(5):657–8

Response–contingent learning in children at risk. Klein RH, et al. **J Nerv Ment Dis** 1981 Apr;169(4):249–52

Rorschach simulation of mental illness and normality by psychotic and nonpsychotic legal offenders. Seamons DT, et al. **J Pers Assess** 1981 Apr;45(2):130–5

Measuring adjustment in chronically ill clients in community mental health care. An assessment of the Psychological Mental Health Index. Ulin PR. **Nurs Res** 1981 Jul–Aug; 30(4):229–35

Personality assessment by Initial–Letter Word–Association Test. Zivković M. **Percept Mot Skills** 1980 Dec;51(3 Pt 1):691–4

Emotional and psychotic reactions induced by aphasia. Mapelli G, et al. **Psychiatr Clin (Basel)** 1980;13(2):108–18

The Bridgewater 100: an analysis of admissions to a hospital for the criminally insane. Mikkelsen EJ. **Psychiatr Q** 1980 Fall;52(3):190–200

Social networks and mental illness in a peasant society. Westermeyer J, et al. **Schizophr Bull** 1981;7(1):125–34

[Trial of conditions by which one could answer a mathematical study of behavior of psychotics. Apropos of several concrete cases] Schmidt MP, et al. **Ann Med Psychol (Paris)** 1980 Jul–Sep;138(7):862–9 **(Fre)**

[Questioning in child psychosis (author's transl)] Ebtinger R, et al. **Ann Pediatr (Paris)** 1981 Feb;28(2):99–103 (Eng. Abstr.) **(Fre)**

[The family approach in childhood psychosis (author's transl)] Lebovici S. **Neuropsychiatr Enfance Adolesc** 1980 Sep;28(9):361–6 (Eng. Abstr.) **(Fre)**

[Infantile psychotic states and early object relations. Attempt at comparing the concepts of M. Klein and her school to those of M. Mahler in understanding psychoses in children] Espasa FP. **Psychiatr Enfant** 1980;23(2):349–82 **(Fre)**

[Deafness and psychosis] Mottier C. **Rev Laryngol Otol Rhinol (Bord)** 1981 Mar–Apr; 102(3–4):131–42 (Eng. Abstr.) **(Fre)**

[Puerperal psychoses] Jonquière–Wichmann M. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 128(1):105–49 (Eng. Abstr.) **(Fre)**

[Psychoanalytic research on psychopathology and its significance for pedagogy] Köhle K. **Confin Psychiatr** 1980; 23(2):65–73 (Eng. Abstr.) **(Ger)**

[The effect of travel and vacation on patients with so–called endogenous psychoses] Ohashi M, et al. **Oeff Gesundheitswes** 1981 Mar;43(3):128–32 **(Ger)**

[Psychopathologic aspects of the course of idiopathic psychoses] Janzarik W. **Psychiatr Clin (Basel)** 1980; 13(3–4):139–49 (Eng. Abstr.) **(Ger)**

[System analysis and logic mathematical modelling of delusional psychoses] Deretscha VA. **Psychiatr Neurol Med Psychol (Leipz)** 1980 Aug; 32(8):449–54 (Eng. Abstr.) **(Ger)**

[Social roles in symbiotic psychoses] Otto KR, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Mar; 33(3):167–74 (Eng. Abstr.) **(Ger)**

[Postpartum psychoses] Albretsen CS. **Tidsskr Nor Laegeforen** 1980 Apr 30;100(12):676–8 (Eng. Abstr.) **(Nor)**

[Psychopathology of anxiety] Dement'eva NF. **Zh Nevropatol Psikhiatr** 1980;80(12):1856–62 (Eng. Abstr.) **(Rus)**

REHABILITATION

Predicting which patients will be discharged against medical advice: a pilot study. Steinglass P, et al. **Am J Psychiatry** 1980 Nov;137(11):1385–9

Psychosis in a peasant society: social outcomes. Westermeyer J. **Am J Psychiatry** 1980 Nov;137(11):1390–4

Active development of the positive introject in severely disturbed patients. Donnelly C. **Br J Med Psychol** 1980 Dec;53(4):307–12

Course of schizoaffective psychoses: results of a followup study. Angst J, et al. **Schizophr Bull** 1980;6(4):579–85

THERAPY

Hospital and outpatient care for psychotic patients during the last three decades. Subsequent hospital and outpatient treatment of psychotic patients hospitalized for the first time in 1949––50, 1959––60 or 1969––70. Salokangas RK. **Acta Psychiatr Scand** 1980 July;62(1):47–62

Advances in neuropsychiatric treatment [editorial] Smythies JR. **Ala J Med Sci** 1980 Apr;17(2):119

Parent participation in milieu treatment of young psychotic children. Critchley DL, et al. **Am J Orthopsychiatry** 1981 Jan;51(1):149–55

Covert values in the treatment of psychosis. Halleck SL. **Am J Psychother** 1981 Apr;35(2):173–86

A developmental treatment program for the chronic patient. Magaro PA, et al. **Am J Psychother** 1981 Jan;35(1):47–60

Disjunctive arousal changes as a consequence of nondrug clinical intervention. Kay SR. **Biol Psychiatry** 1981 Jan; 16(1):35–46

Auditory brain stem evoked responses in hospitalized patients undergoing drug treatment or ECT. Small JG, et al. **Biol Psychiatry** 1981 Mar;16(3):287–90

The use of psychotherapy with in–patients. Whitwell D. **Br J Med Psychol** 1980 Sep;53(3):233–41

ECT in medication resistant schizoaffective disorder. Ries RK, et al. **Compr Psychiatry** 1981 Mar–Apr;22(2):167–73

The impact of a new state commitment law on psychiatric patient careers. Haupt DN, et al. **Hosp Community Psychiatry** 1980 Nov;31(11):745–51

Short–term inpatient care and readmission rates: the CMHC approach versus the private approach. McNeill DN, et al. **Hosp Community Psychiatry** 1980 Nov;31(11):751–5

A common service for mental and neurological illness. Kappéter I. **Int J Soc Psychiatry** 1980;26(3):208–11

Social factors and mental illness: an analysis of first admissions to a psychiatric hospital. Sethi BB, et al. **Int J Soc Psychiatry** 1980;26(3):200–7

A behavior management program to increase social responses in psychogeriatric patients. Nigl AJ, et al. **J Am Geriatr Soc** 1981 Feb;29(2):92–5

Neuroendocrine measures in psychiatric patients: course and outcome with ECT. Papakostas Y, et al. **Psychiatry Res** 1981 Feb;4(1):55–64

[Experiences in the establishment and consolidation of a 3–tier network for the prevention and treatment of psychoses in rural districts (author's transl)] **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1979; 12(1):14–6 **(Chi)**

[Analysis of 2,858 cases of psychoses treated with ECT (author's transl)] Lou MK. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1980 Feb; 13(2):107–9 **(Chi)**

[Psychiatric problems of the mentally retarded from the aspect of institutional psychiatric care (author's transl)] Vojtík V, et al. **Cesk Psychiatr** 1980 Aug;76(4):234–44 (Eng. Abstr.) **(Cze)**

[Limits of psychiatric hospitalization in early psychoses in young people] Scotto JC, et al. **Ann Med Psychol (Paris)** 1980 Jun;138(6):721–4 **(Fre)**

[Dreaming in the psychotherapy of psychotic children (author's transl)] Grilliat A, et al. **Neuropsychiatr Enfance Adolesc** 1980 Apr–May; 28(4–5):205–10 (Eng. Abstr.) **(Fre)**

[The place of sismotherapy at the Albert Prévost Pavilion] Filotto JF. **Union Med Can** 1981 Jun;110(6):551 (Eng. Abstr.) **(Fre)**

[Relationship between pharmacotherapy and psychotherapy of psychoses] Molcan J, et al. **Agressologie** 1979; 20(D):283–5 (Eng. Abstr.) **(Ger)**

[Suicide prevention in psychoses and combined pharmacotherapy and psychotherapy] Richter H. **Agressologie** 1980;21(A):41–3 **(Ger)**

[Electroconvulsive therapy in endogenous psychoses] Meyendorf R. **MMW** 1981 May 8;123(19):800–2 **(Ger)**

[Changes in the long–term psychosis following psychotherapy] Schindler R. **Psychiatr Clin (Basel)** 1980; 13(3–4):206–16 (Eng. Abstr.) **(Ger)**

[Experience with individual psychotherapy of young psychotic patients in the field of regional psychiatric services] Cabassi F, et al. **Minerva Psichiatr** 1981 Apr–Jun; 22(2):93–8 (Eng. Abstr.) **(Ita)**

[What kind of ward atmosphere is therapeutic for psychotic and non–psychotic patients? Necessity of differentiated treatment milieus] Friis S. **Tidsskr Nor Laegeforen** 1981 May;101(14):848–52 **(Nor)**

[Milieu therapy in combination with psychotherapy in psychoses] Haugsgjerd S. **Tidsskr Nor Laegeforen** 1981 May;101(14):856–8 **(Nor)**

[Intensive therapy of endogenous psychoses] Vovin RIa, et al. **Zh Nevropatol Psikhiatr** 1980;80(6):909–14 (Eng. Abstr.) **(Rus)**

PSYCHOTOMIMETIC AGENTS see **HALLUCINOGENS**

PSYCHOTROPIC DRUGS

see related

PSYCHOPHARMACOLOGY

Collegium Internationale Activitatis Nervosae Superioris. 22d annual psychopharmacological meeting. Jesenik, January 1980. **Act Nerv Super (Praha)** 1980;22(3):153–231

Characteristics of high-frequency consumers of prescription psychoactive drugs. Chambers CD, et al. **Chem Depend** 1980;4(1–2):33–46

The non-medical use of psychoactive substances among secondary school male students in Egypt: an epidemiological study (a brief report). Soveif M, et al. **Egypt J Psychiatry** 1979 Oct;2(2):198–204

Computerized monitoring of psychotropic drug orders: some trends and revelations. Mittel NS, et al. **Hosp Community Psychiatry** 1981 Apr;32(4):277–8

The comparability of drug use rating scales. Weichselbaum HF. **Int J Addict** 1980;15(7):1119–26

Control of addictive drugs in Iceland 1976–-78. Olafsson O, et al. **J Epidemiol Community Health** 1980 Dec;34(4):305–8

Cognition-activating properties of 3-(Aryloxy)pyridines. Butler DE, et al. **J Med Chem** 1981 Mar;24(3):346–50

Psychotropic drug prescribing: a self-audit. Wilks JM. **J R Coll Gen Pract** 1980 Jul;30(216):390–5

Psychoactive medicinal and nonmedicinal drug use among high school students. Roush GC, et al. **Pediatrics** 1980 Nov; 66(5):709–15

Psychopharmacological aspects of antiepileptic treatment. Parnas J, et al. **Prog Neurobiol** 1980;15(2):119–38 (94 ref.)

Communication from the viewpoint of the European Regional Reference Center. Feer H. **Prog Neuropsychopharmacol** 1981;5(2):197–200

Psychotropic drug registration in the Scandinavian countries: the role of clinical trials. Hemminki E, et al. **Soc Sci Med [Med Psychol Med Sociol]** 1980 Dec; 14A(6):547–59

Psychiatrists' opinions of psychotropic drug advertisements. Lion JR, et al. **Soc Sci Med [Med Psychol Med Sociol]** 1979 Jan;13(1):123–5

Assessment of public health and social problems associated with the use of psychotropic drugs. Report of the WHO Expert Committee on Implementation of the Convention on Psychotropic Substances, 1971. **WHO Tech Rep Ser** 1981;(656):1–54

[Drug high] Kensy F. **Ther Ggw** 1980 Aug;119(8):884–90 **(Ger)**

ADMINISTRATION & DOSAGE

Psychotropic drug use in the elderly: an overview. Levenson AJ. **Am Fam Physician** 1981 Aug;24(2):194–9

Prevalence and pattern of drug treatment for behavior and seizure disorders of TMR students. Gadow KD, et al. **Am J Ment Defic** 1981 May;85(6):588–95

Medication group for psychiatric patients. Cohen M, et al. **Am J Nurs** 1981 Feb;81(2):343–5

On drug usage in nursing homes [letter] Kashgarian M. **Am J Public Health** 1980 Nov;70(11):1217–8

The use of psychiatric drugs for decades [editorial] Kennedy F. **Br J Psychiatry** 1980 Oct;137:387–9

Prescribing psychoactive drugs to addicts. Bewley TH. **Br Med J** 1980 Aug 16;281(6238):497–8

Psychotropic drug use and polypharmacy in a general hospital. Salzman C. **Gen Hosp Psychiatry** 1981 Mar; 3(1):1–9

Enhancing medication compliance in coffee groups. Olarte SW, et al. **Hosp Community Psychiatry** 1981 Jun; 32(6):417–9

Drug holiday for the disturbed-retarded epileptics [letter] Tu JB. **J Clin Psychiatry** 1980 Sep;41(9):324

Self-medication of psychiatric patients. Lane DE. **J Psychiatr Nurs** 1981 May;19(5):27–8

Prescribing psychotropic drugs: whose responsibility? Miller RS, et al. **Soc Work Health Care** 1980 Fall;6(1):51–61

[Sultopride in a day hospital] Richou H, et al. **Lille Med** 1979 Nov 17;Suppl 1:56–7 **(Fre)**

[Ambulatory treatment with psychopharmaceuticals] Payk TR. **Med Klin** 1981 Jan 2;76(1):2–10 **(Ger)**

[Use of psychopharmaceuticals in a general hospital] Ravizza L, et al. **Minerva Psichiatr** 1980 Jul–Sep;21(3):223–7 (Eng. Abstr.) **(Ita)**

[Glossalgia treatment with neuroleptics and depressants] Dychko EN. **Stomatologiia (Mosk)** 1981 Jan–Feb;60(1):81 **(Rus)**

[Treatment of therapeutically resistant paranoid schizophrenic patients with Moditen-depot combined with other psychotropic drugs and Leponex] Gamburg AL, et al. **Zh Nevropatol Psikhiatr** 1980;80(8):1211–6 (Eng. Abstr.) **(Rus)**

[Modified variant of simultaneous discontinuation of psychotropic drugs (given in combination with diuretics) as a method of abrupt termination therapy for protracted episodes of schizophrenia] Tsygankov BD. **Zh Nevropatol Psikhiatr** 1980;80(5):754–9 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Effects of psychotropic drugs on intelligence test performance of institutionalized mentally retarded adults. Breuning SE, et al. **Am J Ment Defic** 1981 May;85(6):575–9

Breast feeding and psychotropic agents [letter] Nurnberg HG. **Am J Psychiatry** 1981 Jan;138(1):120–1

Tardive dyskinesia [letter] Abrahamson D. **Br Med J [Clin Res]** 1981 Jun 20;282(6281):2057

Heat stroke related to psychotropic medications and prior history of heat stroke [letter] Caldroney RD. **Chest** 1981 Aug;80(2):244–5

Psychotropic drugs-–neurotoxicity. Zaratzian VL. **Clin Toxicol** 1980;17(2):231–70 (216 ref.)

Prevalence of tardive dyskinesia in an outpatient population. Wojcik JD, et al. **Compr Psychiatry** 1980 Sep–Oct; 21(5):370–80

Psychotherapeutic drugs: important adverse reactions and interactions. Burrows GD, et al. **Drugs** 1980 Dec; 20(6):485–93

Pneumonia and psychotropic drug use in elderly psychiatric patients. Craig TJ, et al. **J Am Geriatr Soc** 1980 Dec; 28(12):550–2

Epileptogenic side effects of psychotropic drugs [letter] Glickman L. **JAMA** 1981 Sep 11;246(11):1195–6

Epileptogenic side effects of psychotropic drugs. Practical recommendations. Itil TM, et al. **JAMA** 1980 Sep 26; 244(13):1460–3

Potential effects of medications at work. Silverman HM. **Occup Health Saf** 1981 Feb;50(2):48–9, 52

[Use of psychopharmaceuticals during pregnancy and lactation] Huttunen M. **Duodecim** 1980;96(2):168–74 **(Fin)**

[Neurological tolerance of lithium-psychotropic drugs association (author's transl)] Braccini T, et al. **Encephale** 1981;7(1):29–43 (Eng. Abstr.) **(Fre)**

[Effect of psychopharmacotherapy on the learning potential and behavior of brain-damaged children and adolescents] Dresske W. **Agressologie** 1980;21(A):45–7 **(Ger)**

[Adverse effects and interactions in therapy with psychopharmaceuticals] Payk TR. **Med Monatsschr Pharm** 1979 Nov;2(11):336–40 **(Ger)**

[Paradoxical reactions and interactions of psychopharmaca in children and adolescents (author's transl)] Remschmidt H. **Monatsschr Kinderheilkd** 1980 Oct;128(10):636–41 (Eng. Abstr.) **(Ger)**

[Controlled clinical evaluation of cicloxilic acid in hepatopathies caused by psychopharmacological agents] Bocci U, et al. **Clin Ter** 1980 May 31;93(4):373–88 (Eng. Abstr.) **(Ita)**

[Silymarin in the prevention of hepatic damage by psychopharmacologic drugs. Experimental premises and clinical evaluations] Carrescia O, et al. **Clin Ter** 1980 Oct 31;95(2):157–64 (Eng. Abstr.) **(Ita)**

[Drug use and its effect on the female genital apparatus] Pesce VS. **Minerva Med** 1980 Sep 19;71(34):2381–8 **(Ita)**

[Multifactorial nature of the pathogenesis of pathological reactions observed following the administration of psychotropic drugs] Roizin L. **Zh Nevropatol Psikhiatr** 1980;80(7):1097–100 (39 ref.) **(Rus)**

[Cardiovascular incidents due to therapy with psychopharmaceutical drugs] Bokun P, et al. **Srp Arh Celok Lek** 1981;108(6):649–55 (Eng. Abstr.) **(Scc)**

[Pharmacodynamic ileus] Ivšić J, et al. **Acta Chir Iugosl** 1980; 27 Suppl 1:351–6 (Eng. Abstr.) **(Scr)**

ANALYSIS

A simple rapid identification of psychotropic drugs by infrared spectrophotometry in emergency-–preliminary description. Pala F, et al. **Resuscitation** 1981 Jun; 9(2):125–31

BLOOD

Comparative in vitro investigations on the dialysability of hypnotic and psychotropic drugs by hemodialysis and controlled sequential ultradiffusion. Balogh A, et al. **Arch Toxicol [Suppl]** 1980;(4):335–7

Drug concentrations in neuropsychiatry. **Ciba Found Symp** 1979;(74):1–266

Clinical significance of monitoring plasma levels of psychotropic drugs. Morselli PL, et al. **Ciba Found Symp** 1979;(74):115–39

CHEMICAL SYNTHESIS

The anticonvulsant and CNS activity of N-butyryl-N-butylurea in mice. Dar MS, et al. **Farmaco [Sci]** 1979 Nov;34(11):936–44

Synthesis of new psychotropic 2-imidazolidinones. Fontanella L, et al. **Farmaco [Sci]** 1981 Jan;36(1):3–12

Thiophene systems. 5. Thieno[3,4-b][1,5]benzoxazepines, thieno[3,4-b][1,5]benzothiazepines, and thieno[3,4-b][1,4]benzodiazepines as potential central nervous system agents. Press JB, et al. **J Med Chem** 1981 Feb;24(2):154–9

Some new 5-substituted benzylidene-1-phenyl-3-(2'-pyridinobutan-4'-yl) thiobarbituric acids as psychopharmacological agents. Srivastava VK, et al. **Pharmazie** 1981 Apr;36(4):252–3

[Derivatives of 2,3,4,5,-tetrahydro-1H-pyrido-(3,2-b)azepine and 2,3,4,5-tetrahydro-1H-pyrido(2,3-b)azepine and their corresponding lactams. II. Synthesis and pharmacologic study of their psychotropic activity] Yanagida AJ, et al. **Farmaco [Sci]** 1979 Jan;34(1):26–35 (Eng. Abstr.) **(Fre)**

CLASSIFICATION

Principles of French pharmaco-clinical classification. Deniker P. **Prog Neuropsychopharmacol** 1980;4(4–5):455–68 (12 ref.)

An objective classification of psychoactive drugs. Fink M. **Prog Neuropsychopharmacol** 1980;4(4–5):495–502

Classification of drugs and patients to achieve maximum therapeutic response. Kline NS. **Prog Neuropsychopharmacol** 1980;4(4–5):491–4

Classification and psychotropic drugs. Shepherd M. **Prog Neuropsychopharmacol** 1980;4(4–5):447–54

[Psychopharmaceuticals in anesthesiology and resuscitation] Carrasco MS, et al. **Rev Esp Anestesiol Reanim** 1980 Mar; 27(2):171–98 (58 ref.) **(Spa)**

METABOLISM

Psychotropic drug metabolism in fetal alcohol syndrome. Rawat AK. **Adv Exp Med Biol** 1980;132:561–8

The monitoring of saliva drug levels: psychiatric applications. El-Guebaly N, et al. **Can J Psychiatry** 1981 Feb;26(1):43–8

Studies on chiral interactions of 1-(2,5-dimethoxy-4-methylphenyl)-2-aminopropane and the corresponding N-hydroxy metabolites with cytochrome P-450. McGraw NP, et al. **J Med Chem** 1981 Mar;24(3):299–304

PHARMACODYNAMICS

Activity of toloxatone and various psychotropic drugs on the electrocorticogram and three limbic structures in the cat. Coston A, et al. **Act Nerv Super (Praha)** 1979 Jul;Suppl 2:331–3

The action of some psychoactive drugs on high frequency electrocorticogram. Mickis A, et al. **Act Nerv Super (Praha)** 1979 Jul;Suppl 2:328–9

Effect of some psychoactive drugs on learning and memory. Roussinov KS, et al. **Act Nerv Super (Praha)** 1979 Jul;Suppl 2:334–5

Pediatric psychopharmacology: current status. Werry JS. **Ann Acad Med Singapore** 1980 Jan;9(1):107–17 (56 ref.)

Receptor adaptations to centrally acting drugs. Creese I, et al. **Annu Rev Pharmacol Toxicol** 1981;21:357–91 (235 ref.)

Antagonistic effects of psycholeptic drugs on stress-induced analgesia. Doi T, et al. **Arch Int Pharmacodyn Ther** 1980 Oct;247(2):264–74

Effects of Ro 11-2465, a new psychotropic agent on the uptake of serotonin by human platelets-–in vitro determination of the IC50. Lenehan T, et al. **Arch Int Pharmacodyn Ther** 1981 Jan;249(1):147–52

Psychomotor function and psychoactive drugs. Hindmarch I. **Br J Clin Pharmacol** 1980 Sep;10(3):189–209 (232 ref.)

Tests of autonomic function in assessing centrally-acting drugs. Turner P. **Br J Clin Pharmacol** 1980 Aug;10(2):93–9

The integrity of the social hierarchy in mice following administration of psychotropic drugs. Poshivalov VP. **Br J Pharmacol** 1980 Nov;70(3):367–73

Postsynaptic pharmacology of psychoactive substances in Aplysia californica. Davies MA. **Brain Res Bull** 1981 Jun; 6(6):495–502

Psychotropic drug induced changes in auditory averaged evoked potentials: results of a double-blind trial using an objective fully automated AEP analysis method. Herrmann WM, et al. **Int J Clin Pharmacol Ther Toxicol** 1981 Feb; 19(2):56–62

Effect of prolonged administration of oral contraceptives and psychotropic drugs on some ovarian adrenocortical functions. Abdel-Aziz MT, et al. **J Egypt Med Assoc** 1978; 61(11–12):703–9

Effects of exogenous stimuli and centrally acting drugs on galvanic skin responses in rats. Hata T, et al. **Jpn J Pharmacol** 1981 Feb;31(1):23–31

Psychoactive drugs and the creative urge [letter] Phillips RH. **Lancet** 1980 Nov 22;2(8204):1143

Rabbit brain metabolism of phenylethylamine and tyramine: drug effects. Mosnaim AD, et al. **Life Sci** 1980 Aug 18; 27(7):557–66

A new method for the evaluation of psychoactive drug activity. Delaunois AL, et al. **Methods Find Exp Clin Pharmacol** 1981 May–Jun; 3(3):141–7

Drugs and taste aversion. Rondeau DB, et al. **Neurosci Biobehav Rev** 1981 Summer;5(2):279–94 (135 ref.)

The effect of d-lysergic acid diethylamide (LSD), 2,5-dimethoxy-4-methylamphetamine (DOM), pentobarbital and methaqualone on punished responding in control and 5,7-dihydroxytryptamine-treated rats. Commissaris RL, et al. **Pharmacol Biochem Behav** 1981 May;14(5):617–23

Effects of psychotropic drugs on FI responding and adjunctive drinking in rats. Kuribara H, et al. **Pharmacol Biochem Behav** 1980 Nov;13(5):657–62

An automated device for screening the effects of psychotropic drugs on aggression and motor activity in mice. Puglisi-Allegra S, et al. **Pharmacol Biochem Behav** 1980 Aug;13(2):287–90

Action of drugs of abuse on brain reward systems. Wise RA. **Pharmacol Biochem Behav** 1980;13 Suppl 1:213–23 (117 ref.)

Psychotropic drugs: evaluation of mutagenic effect. Balbi A, et al. **Pharmacol Res Commun** 1980 May;12(5):423–31

Determination of pharmacodynamics of psychotropic drugs by psychometric analysis. Grünberger J, et al. **Prog Neuropsychopharmacol** 1980;4(4–5):417–34

Antihypoxidotic and nootropic drugs: proof of their encephalotropic and pharmacodynamic properties by quantitative EEG investigations. Saletu B, et al. **Prog Neuropsychopharmacol** 1980;4(4–5):469–89

Pursuing the actions of psychotropic drugs: receptor sites and endogenous cerebral programmes. McIlwain H. **Psychol Med** 1980 Aug;10(3):399–402

The interaction of drugs used in the treatment of psychiatric disorders. Giffen MB. **Tex Med** 1980 Oct;76(10):54–6

[Psychotropic drugs and imprisonment in a psychiatric hospital for political reasons] Drucker H. **Acta Med Leg Soc (Liege)** 1980;30(1):189–210 **(Fre)**

[Psychotropic drugs and imprisonment] Maltaverne S. **Acta Med Leg Soc (Liege)** 1980;30(1):185–8 **(Fre)**

[Effects of psychotropic drugs on testicular and ovarian function and reproduction (author's transl)] Cohen J. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(3):249–58 (Eng. Abstr.) **(Fre)**

[Attempt at a synthesis of the neurophysiological data concerning sulpiride and sultopride] Gekiere F, et al. **Lille Med** 1979 Nov 17;Suppl 1:24–36 **(Fre)**

[Effects of two drugs substituted o-anisamides: sulpiride and sultopride on the sleep awakening cycle (author's transl)] Borenstein P, et al. **Sem Hop Paris** 1980 May 18–25; 56(19–20):967–71 (Eng. Abstr.) **(Fre)**

[Efficacy and pattern-valence of psychoergic drug / A new method of comparing drugs applied to identical patients in randomized order (author's transl)] Lienert GA, et al. **Arzneimittelforsch** 1980;30(8):1302–6 (Eng. Abstr.) **(Ger)**

[The use of electrophysiological techniques to project typical psychotropic drug effects: some examples (author's transl)] Herrmann WM, et al. **EEG EMG** 1981 Mar;12(1):21–32 (Eng. Abstr.) **(Ger)**

[Mechanisms of action of psychotropic drugs] Binder M. **Med Monatsschr Pharm** 1981 Jan;4(1):10–5 **(Ger)**

[Psychopharmaceuticals--a review with pharmacologic and therapeutic perspectives] Pöldinger W. **Med Monatsschr Pharm** 1980 Sep;3(9):266–73 **(Ger)**

[Effect of psychoactive agents on noise perception] Kohnen R, et al. **Z Exp Angew Psychol** 1980;27(3):428–44 (Eng. Abstr.) **(Ger)**

[Effect of some psychotropic drugs on spontaneous electromyographic activity in the stressed rat] Eandi M, et al. **Boll Soc Ital Biol Sper** 1980 Jun 30;56(12):1258–63 (Eng. Abstr.) **(Ita)**

[Action of some psychotropic drugs on the electrmyographic response evoked by stretches of the gastrocnemius muscle of rats submitted to stress] Eandi M, et al. **Boll Soc Ital Biol Sper** 1980 Jun 30;56(12):1252–7 (Eng. Abstr.) **(Ita)**

[Blood serum cobalt-activated acyltransferase in patients treated with psychotropic drugs] Modrzewska R, et al. **Pol Tyg Lek** 1980 Jul 14;35(28):1071–3 (Eng. Abstr.) **(Pol)**

[Effect of psychotropic drugs on cerebral Ca-activated ATPase in vitro] Karelson EI, et al. **Biull Eksp Biol Med** 1981 May;91(5):576–8 (Eng. Abstr.) **(Rus)**

[Pharmacological activity of the optical isomers of sydnocarb] Al'tshuler RA, et al. **Farmakol Toksikol** 1980 Jul-Aug;43(4):345–9 (Eng. Abstr.) **(Rus)**

[Pharmacological properties of sidnocarb analogs] Al'tshuler RA, et al. **Farmakol Toksikol** 1980 Mar-Apr;43(2):153–8 (10 ref.) (Eng. Abstr.) **(Rus)**

[Mechanisms of the action of psychotropic preparations on transport ATPases] Lavretskaia EF, et al. **Farmakol Toksikol** 1980 May-Jun;43(3):292–5 (Eng. Abstr.) **(Rus)**

[Characteristics of the excitation changes in the visual area of the cerebral cortex under psychostimulant action] Machula AI, et al. **Farmakol Toksikol** 1980 Jul-Aug; 43(4):338–41 (Eng. Abstr.) **(Rus)**

[Effect of psychotropic substances and narcotic analgesics on 14C-noradrenaline uptake by rat cerebral cortex synaptosomes] Maĭsov NI, et al. **Farmakol Toksikol** 1980 May-Jun;43(3):302–6 (Eng. Abstr.) **(Rus)**

[Effect of euphorigenic drugs on emotionally-positive brain systems] Zvartau EE, et al. **Zh Vyssh Nerv Deiat** 1981; 31(2):308–14 (Eng. Abstr.) **(Rus)**

POISONING

Sudden death related to the use of psychotropic drugs. Zugibe FT. **Leg Med** 1980;:75–90

[Liver function disorders in exotoxic shock and their treatment] Luzhnikov EA, et al. **Ter Arkh** 1981;53(4):86–91 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Psychopharmacology in the secondary and tertiary prevention of mental illness. Ban TA. **Act Nerv Super (Praha)** 1979 Jul;Suppl 2:403–8

Guidelines for the prescription of psychotropic drugs. **Acta Med Scand** 1981;209(6):437–8

Treatment with psychotropic drugs and age of patients. Vinar O. **Agressologie** 1980;21(A):53–5

Prediction of response to psychotropic medications. Carman JS, et al. **Ala J Med Sci** 1980 Apr;17(2):161–5

Hypnotizability and psychoactive medication. Spiegel D. **Am J Clin Hypn** 1980 Apr;22(4):217–22

Medication use and deaths attributed to asphyxia among psychiatric patients. Craig TJ. **Am J Psychiatry** 1980 Nov; 137(11):1366–73

Pharmacotherapy as an intervention during the stages of psychotherapy. Beitman BD. **Am J Psychother** 1981 Apr; 35(2):206–14

Consultees' concordance with consultants' psychotropic drug recommendations. Related variables. Popkin MK, et al. **Arch Gen Psychiatry** 1980 Sep;37(9):1017–21

Auditory brain stem evoked responses in hospitalized patients undergoing drug treatment or ECT. Small JG, et al. **Biol Psychiatry** 1981 Mar;16(3):287–90

Prescribing psychoactive drugs to addicts [letter] Scurr M. **Br Med J** 1980 Aug 30;281(6240):617

Referring children to an ENT department and prescribing psychotropic drugs to their mothers. Bain DJ, et al. **Br Med J [Clin Res]** 1981 Aug 29;283(6291):585–7

Effect of patient education on medication compliance. Seltzer A, et al. **Can J Psychiatry** 1980 Dec;25(8):638–45

Trends in the prescription of psychotropic drugs (1970–1977) in a state hospital. Craig TJ, et al. **Compr Psychiatry** 1980 Sep-Oct;21(5):336–45

The treatment and etiology of tics and Tourette syndrome. Shapiro AK, et al. **Compr Psychiatry** 1981 Mar-Apr; 22(2):193–205

Progress in psychopharmacology. Post RM, et al. **Curr Psychiatr Ther** 1980;19:69–87

Psychotropic drug use and polypharmacy in a general hospital. Salzman C. **Gen Hosp Psychiatry** 1981 Mar; 3(1):1–9

An assessment program to reduce drug use with the mentally retarded. Fielding LT, et al. **Hosp Community Psychiatry** 1980 Nov;31(11):771–3

Differential therapeutics: a guide to treatment selection. Frances A, et al. **Hosp Community Psychiatry** 1981 Aug; 32(8):537–46

A revised checklist to obtain consent to treatment with medication. Schwarz ED. **Hosp Community Psychiatry** 1980 Nov;31(11):765–7

Psychotropic agents in opiate addiction: a brief review. Ciccone PE, et al. **Int J Addict** 1980 May;15(4):499–513 (39 ref.)

Use of psychotropic drugs for the treatment of chronic severe pains. Kocher R. **Int Rehabil Med** 1979;1(3):116–20

Psychologists' practices related to medication. Bascue LO, et al. **J Clin Psychol** 1980 Jul;36(3):821–5

An analysis of drug decisions in a state psychiatric hospital. Gillis JS, et al. **J Clin Psychol** 1981 Jan;37(1):32–42

Psychotropic drug prescribing in a family medicine residency program. Sandifer MG, et al. **J Fam Pract** 1980 Dec; 11(7):1077–80

Basic principles of geriatric psychopharmacology. Granacher RP Jr. **J Ky Med Assoc** 1981 Jul;79(7):411–20

Drug therapy decisions. A social judgment analysis. Gillis JS, et al. **J Nerv Ment Dis** 1981 Jul;169(7):439–47

Pharmacotherapy for age-related behavioral deficiencies. Wittenborn JR. **J Nerv Ment Dis** 1981 Mar;169(3):139–56 (156 ref.)

Widows and widowers and their medication use: nursing implications. Rosenbaum J. **J Psychiatr Nurs** 1981 Jan; 19(1):17–9

Patients' perceptions of psychotropic drugs. Helman CG. **J R Coll Gen Pract** 1981 Feb;31(223):107–12

Drugs for psychiatric disorders. **Med Lett Drugs Ther** 1980 Sep 19;22(19):77–84

Use of psychotropic drugs in psychiatric conditions; psychiatric problems - recent advances in diagnosis and treatment. Tupin JP. **Proc Annu Meet Med Sect Am Counc Life Insur** 1980; 5:67–85

Preliminary studies on CSF gamma-aminobutyric acid levels in psychiatric patients before and during treatment with different psychotropic drugs. Zimmer R, et al. **Prog Neuropsychopharmacol** 1980;4(6):613–20

A symptom profile analysis of antipsychotic drug treatment: nonparametric multidimensional technique. Shalif I, et al. **Psychiatry Res** 1981 Feb;4(1):1–12

Factors affecting the consumption of psychotropic drugs. Murray J, et al. **Psychol Med** 1981 Aug;11(3):551–60

Psychotherapeutic drug recommendations based on the Mini-Mult. Siddall JW, et al. **Psychol Rep** 1980 Dec;47(3 Pt 2):1283–8

Psychopharmacology in medical practice--the benefits and the risks. Sack RL, et al. **West J Med** 1981 Mar; 134(3):223–33

Psychopharmacology--an area of research to improve mental health care. **WHO Chron** 1980 Dec;34(12):465–9

[Drug consumption in defined daily dose per day of treatment --follow-up technique (author's transl)] Ivančová J, et al. **Cas Lek Cesk** 1980 Aug 22;119(33–34):885–9 (Eng. Abstr.) **(Cze)**

[Colloquium on development of a family of neuroleptics: the benzamides, Saturday, 17 November 1979] **Lille Med** 1979 Nov 17;Suppl 1:1–112 **(Fre)**

[Sultopride and the therapeutic relationship] Darondel A, et al. **Lille Med** 1979 Nov 17;Suppl 1:51–5 **(Fre)**

[Introductory report for the discussion on Barnetil] Renan F, et al. **Lille Med** 1979 Nov 17;Suppl 1:43–50 **(Fre)**

[Somnambulism in children] de Villard R, et al. **Neuropsychiatr Enfance Adolesc** 1980 Apr-May; 28(4–5):222–4 **(Fre)**

[Planning the treatment of depressive states with psychopharmaceuticals] Guensberger E, et al. **Agressologie** 1979;20(D):315–8 (Eng. Abstr.) **(Ger)**

[Documentation of psychopathological data in psychopharmacotherapy] Kühne GE, et al. **Agressologie** 1980;21(A):1–5 (Eng. Abstr.) **(Ger)**

[Psychopharmacology in gerontopsychiatry] Kümpel Q. **Agressologie** 1980;21(A):67–9 (Eng. Abstr.) **(Ger)**

[Strategies of psychopharmacotherapy in the elderly (author's transl)] Jellinger K. **Aktuel Gerontol** 1980 Jul; 10(7):291–304 (Eng. Abstr.) **(Ger)**

[Stereotaxic brain operations in erethitic imbecility (author's transl)] Potthoff PC, et al. **Arch Psychiatr Nervenkr** 1981; 230(2):103–16 (Eng. Abstr.) **(Ger)**

[On the relevance of clinical measurements testing psychogeriatric drugs (author's transl)] Heimann H. **Arzneimittelforsch** 1980;30(8):1189–91 (Eng. Abstr.) **(Ger)**

[Psychotropic drugs: benefits, dangers, misuse (editorial)] Müller H. **Med Klin** 1981 Jan 2;76(1):1 **(Ger)**

[Psychotropic drugs in the treatment of pain] Haase HJ. **Med Monatsschr Pharm** 1979 Mar;2(3):72–5 **(Ger)**

[Psychopharmacotherapy in child psychiatry (author's transl)] Eggers C. **MMW** 1980 Dec 19;122(51–52):1843–8 (Eng. Abstr.) **(Ger)**

[Psychotropic drugs for children (editorial)] Nissen G. **MMW** 1981 Feb 13;123(7):245–6 **(Ger)**

[Concepts of medicinal treatment in psychogeriatrics (author's transl)] Pilger D, et al. **MMW** 1980 Dec 19; 122(51–52):1855–8 (Eng. Abstr.) **(Ger)**

[The use of psychopharmaca in infancy and preschool age results of questioning parents of school beginners (author's transl)] Dittmann RW, et al. **Monatsschr Kinderheilkd** 1981 Jun;129(6):349–53 (Eng. Abstr.) **(Ger)**

[Psychotropic drugs and pregnancy: a review (author's transl)] Thiels C. **Pharmakopsychiatr Neuropsychopharmakol** 1980 Nov; 13(6):301–17 (Eng. Abstr.) **(Ger)**

[Aspects of psychopharmacotherapy in childhood (author's transl)] Felder W. **Praxis** 1981 Apr 21;70(17):752–6 **(Ger)**

[Treatment of depression with psychotropic drugs (author's transl)] Gastpar M. **Praxis** 1981 Feb 3;70(6):215–9 (Eng. Abstr.) **(Ger)**

[Psychopharmacology for the practising physician (author's transl)] Laemmel K. **Praxis** 1981 Feb 3;70(6):192–9 (Eng. Abstr.) **(Ger)**

[Use development of sedatives/hypnotics and psychopharmaceuticals in the DDR with international comparisons using defined daily doses (DDD)] Walther H, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Apr; 33(4):218–29 (Eng. Abstr.) **(Ger)**

[The development of psychopharmacotherapy] Woggon B. **Schweiz Arch Neurol Neurochir Psychiatr** 1979; 125(2):271–85 **(Ger)**

[The state of psychopharmacotherapy in geriatrics 2] Werner V, et al. **Ther Ggw** 1980 Dec;119(12):1436–47 (25 ref.) **(Ger)**

[Position of psychopharmacotherapy in geriatrics. Part 1] Werner V, et al. **Ther Ggw** 1980 Nov;119(11):1299–307 **(Ger)**

[Study model for examination of psychotropic drugs in the medical practice] Laakmann G. **ZFA (Stuttgart)** 1981 Jan 20;57(2):103–11 **(Ger)**

[Use of transformation in ridits for the evaluation of the activity of psychotropic drugs] Rovida S, et al. **Arch E Maragliano Patol Clin** 1979;35:41–6 **(Ita)**

[The effect of various drugs on post-operative pain-producing sensations] Gerardi AU, et al. **Minerva Anestesiol** 1980 May;46(5):531–40 (Eng. Abstr.) **(Ita)**

[Symposium of the Study Group for Neuropsychopharmacology and Pharmacopsychiatry. September 26–29 1979 in Nuremberg] **Arzneimittelforsch** 1980;30(8):1173–244 **(Mul)**

[The current extent of biological therapy of mental disorders. I.] Predescu V, et al. **Rev Med Interna [Neurol Psihiatr]** 1980 Jul-Sep; 25(3):161–83 (00 ref.) **(Rum)**

[Role of psychopharmacotherapy in the treatment of late middle-aged and elderly patients with organic psychotic syndromes] Saarma IuM, et al. **Vestn Akad Med Nauk SSSR** 1980;(12):50–3 (Eng. Abstr.) **(Rus)**

[Pharmacotherapeutic pathomorphosis of schizophrenia] Morkovkin VM, et al. **Zh Nevropatol Psikhiatr** 1980; 80(5):745–8 (Eng. Abstr.) **(Rus)**

[Impressions from the 12th CINP Congress (Collegium Internationale Neuro-Psychopharmacologicum) (author's transl)] Peričić D. **Ljec Vjesn** 1981;102(12):710–14 (Eng. Abstr.) **(Scr)**

[Psychopharmaceuticals in primary care] Lorentzson S, et al. **Lakartidningen** 1980 Aug 27;77(35):2881–3, 2886 **(Swe)**

URINE

Microdetermination of stimulant drugs in urine by high-performance liquid chromatography. Endo M, et al. **J Chromatogr** 1980 Aug 15;196(2):334–6

PSYLLIUM

ADMINISTRATION & DOSAGE

A double-blind comparison of two bulk laxatives on geriatric patients. Götestam KG. **Scand J Soc Med [Suppl]** 1977;

Suppl 14:141–5

ADVERSE EFFECTS

[Occupational asthma from psyllium laxatives] Terho ja Martti Torkko EO. **Duodecim** 1980;96(18):1213–6 (Eng. Abstr.) **(Fin)**

PHARMACODYNAMICS

[Improving the technology of grinding and sieving plantaglucide] Makarenko PM, et al. **Farm Zh** 1980 Jun; (3):77–8 **(Ukr)**

THERAPEUTIC USE

Influence on symptoms and transit-time of Vi-SiblinR in diverticular disease. Ewerth S, et al.
Acta Chir Scand [Suppl] 1980;Suppl 500:49–50

Psyllium therapy in the irritable bowel syndrome. A double-blind trial. Longstreth GF, et al.
Ann Intern Med 1981 Jul;95(1):53–6

PTA DEFICIENCY see **FACTOR XI DEFICIENCY**

PTC see **FACTOR IX**

PTERIDINES

ANALYSIS

Radioimmunoassay for biopterin in body fluids and tissues. Nagatsu T, et al. **Anal Biochem** 1981 Jan 1;110(1):182–9

Lumazine protein from the bioluminescent bacterium Photobacterium phosphoreum. A fluorescence study of the protein-ligand equilibrium. Visser AJ, et al.
Biochemistry 1980 Sep 2;19(18):4366–72

Crystalline pteridines in the stromal pigment cells of the iris of the great horned owl. Oliphant LW. **Cell Tissue Res** 1981;217(2):387–95

Biopterin in human brain and urine from controls and parkinsonian patients: application of a new radioimmunoassay. Nagatsu T, et al. **Clin Chim Acta** 1981 Feb 5;109(3):305–11

Lumazine protein from the bioluminescent bacterium Photobacterium phosphoreum. Purification and characterization. Small ED, et al. **J Biol Chem** 1980 Sep 25;255(18):8804–10

BIOSYNTHESIS

The enzymatic synthesis of sepiapterin by chicken kidney preparations. Tanaka K, et al. **J Biol Chem** 1981 Mar 25; 256(6):2963–72

Biosynthesis of biopterin: adrenergic cyclic adenosine monophosphate-dependent inhibition in the pineal gland. Kapatos G, et al. **Science** 1981 Sep 4;213(4512):1129–31

Biopterin cofactor biosynthesis: independent regulation of GTP cyclohydrolase in adrenal medulla and cortex. Viveros OH, et al. **Science** 1981 Jul 17;213(4505):349–50

BLOOD

The effects of pathological and normal physiological processes on biopterin derivative levels in man. Leeming RJ, et al. **Clin Chim Acta** 1980 Nov 20;108(1):103–11

CEREBROSPINAL FLUID

Aging and CSF hydroxylase cofactor. Williams A, et al. **Neurology (NY)** 1980 Nov;30(11):1244–6

CHEMICAL SYNTHESIS

Folate antagonists. 18. Synthesis and antimalarial effects of N6-(arylmethyl)-N6-methyl-2,4,6-pteridinetriamines and related N6,N6-disubstituted 2,4,6-pteridinetriamines. Elslager EF, et al. **J Med Chem** 1981 Feb;24(2):140–5

DEFICIENCY

Biopterin defect in a normal-appearing child affected by a transient phenylketonuria. Rey F, et al. **Arch Dis Child** 1980 Aug;55(8):637–9

3'-hydroxysepiapterin in patients with dihydrobiopterin deficiency. Niederwieser A, et al. **FEBS Lett** 1980 Sep 8; 118(2):299–302

Inborn errors of molybdenum metabolism: combined deficiencies of sulfite oxidase and xanthine dehydrogenase in a patient lacking the molybdenum cofactor. Johnson JL, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3715–9

ISOLATION & PURIFICATION

A survey of the location, isolation and identification of indoles, pteridines and some unknown active substances in sheep pineals. The possible significance of pteridines for the neuroendocrine control of neoplastic growth. Ebels I. **J Neural Transm** 1980;49(1–2):87–105

METABOLISM

Anaerobic degradation of pteridines and purines by intestinal organisms. Fukushima T, et al. **Appl Environ Microbiol** 1980 Aug;40(2):244–8

Protein-ligand interactions in lumazine protein and in Desulfovibrio flavodoxins from resonance coherent anti-Stokes Raman spectra. Irwin RM, et al.
Biochemistry 1980 Sep 30;19(20):4639–46

Hyperphenylalaninemia due to impaired dihydrobiopterin biosynthesis. Tanaka T, et al. **Eur J Pediatr** 1981 Jul; 136(3):275–80

Neopterin and biopterin levels in patients with atypical forms of phenylketonuria. Nixon JC, et al. **J Neurochem** 1980 Oct;35(4):898–904

The influence of D-amphetamine on rat brain striatal reduced biopterin concentration. Mandell AJ, et al.
J Pharmacol Exp Ther 1980 Jun;213(3):569–74

Pteridine excretion from cells as indicator of cell proliferation. Wachter H, et al. **Naturwissenschaften** 1980 Dec;67(12):610–1

Tetrahydrobiopterin increases in adrenal medulla and cortex: a factor in the regulation of tyrosine hydroxylase. Abou-Donia MM, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):2703–6

Peripherally administered reduced pterins do enter the brain. Kapatos G, et al. **Science** 1981 May 22;212(4497):955–6

PHARMACODYNAMICS

Adenosine antagonism by purines, pteridines and benzopteridines in human fibroblasts. Bruns RF.
Biochem Pharmacol 1981 Feb 15;30(4):325–33

URINE

Screening for biopterin disorders in PKU [letter] O'Brien D. **Pediatrics** 1980 Nov;66(5):813

PTERINS

CEREBROSPINAL FLUID

CFS hydroxylase cofactor levels in some neurological diseases. Williams AC, et al.
J Neurol Neurosurg Psychiatry 1980 Aug;43(8):735–8

METABOLISM

Temperature sensitivity of deep orange: effects on eye pigmentation. Puckett L, et al. **Biochem Genet** 1980 Dec; 18(11–12):1221–8

Peripherally administered reduced pterins do enter the brain. Kapatos G, et al. **Science** 1981 May 22;212(4497):955–6

URINE

Diagnosis of variants of hyperphenylalaninemia by determination of pterins in urine. Dhondt JL, et al.
Clin Chim Acta 1981 Mar 5;110(2–3):205–14

Urinary excretion levels of unconjugated pterins in cancer patients and normal individuals. Stea B, et al.
Clin Chim Acta 1981 Jul 1;113(3):231–42

Excretion of pterins in phenylketonuria and phenylketonuria variants. Niederwieser A, et al. **Helv Paediatr Acta** 1980 Sep;35(4):335–42

Pterin metabolism in normal subjects and hyperphenylalaninaemic patients. Dhondt JL, et al.
J Inherited Metab Dis 1981;4(2):47–8

PTEROYL POLYGLUTAMATE HYDROLASE see under **CARBOXYPEPTIDASES**

PTEROYLGLUTAMIC ACID see **FOLIC ACID**

PTEROYLPOLYGLUTAMIC ACIDS see under **FOLIC ACID**

PTERYGIUM

COMPLICATIONS

[Pterygium inversum unguis and hyperkeratosis punctata of palmar creases] Dupré A, et al. **Dermatologica** 1981; 162(3):209–12 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

[Preliminary report on therapeutic effect of Chinese medicinal herbs eye-clearing powder in treatment of pterygium in 50 eyes of 32 patients (author's transl)] Wang SX. **Chung Hua Yen Ko Tsa Chih** 1979;15(4):287–9 **(Chi)**

[Treatment of pterygium with bleomycin injection (clinical analysis of 150 cases) (author's transl)] Wang XM.
Chung Hua Yen Ko Tsa Chih 1980 Nov;16(4):326–8 **(Chi)**

ETIOLOGY

[Springtime conjunctivitis, pinguecula, pterygium: remarks and reflections on their correlation] Marcakis G.
Bull Soc Ophtalmol Fr 1980 Oct;80(10):847–9 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

Multiple pterygium syndrome. Chen H, et al.
Am J Med Genet 1980;7(2):91–102

Dominantly inherited pterygium colli [letter] Graham JM Jr, et al. **J Pediatr** 1981 Apr;98(4):664–6

PHYSIOPATHOLOGY

Pterygium and basic tear secretion. Biedner B, et al.
Ann Ophthalmol 1979 Aug;11(8):1235–6

RADIOTHERAPY

Radiation damage after pterygium treatment. Tarr KH, et al. **Trans Ophthalmol Soc NZ** 1981;33:139–42

SURGERY

Experience with the avulsion technique in pterygium surgery. Zolli CL. **Ann Ophthalmol** 1979 Oct;11(10):1569–76

Late complications of pterygium treatment. Tarr KH, et al.
Br J Ophthalmol 1980 Jul;64(7):496–505

[Fordyce's disease as a late complication of Denig's plasty] Moráň M, et al. **Cesk Oftalmol** 1980 Jul;36(4):260–3 (Eng. Abstr.) **(Cze)**

[Modification of the operation of intrascleral pterygium implantation (author's transl)] Krwawicz L. **Klin Oczna** 1980 Jul;82(7):375–6 (Eng. Abstr.) **(Pol)**

[Lamellar keratoplasty in the treatment of pterygium (author's transl)] Trzcińska-Dąbrowska Z. **Klin Oczna** 1980 Apr;82(4):227–8 (Eng. Abstr.) **(Pol)**

[Surgery of pterygium. Indications and problem of recurrences (author's transl)] Halás M, et al.
Cesk Oftalmol 1981 Mar;37(2):89–91 (Eng. Abstr.) **(Slo)**

PTERYGOID MUSCLES see under **MASTICATORY MUSCLES**

PTOSIS, EYELID see **BLEPHAROPTOSIS**

PUBERTY

The effect of clomiphene citrate on pubertal gynaecomastia. LeRoith D, et al. **Acta Endocrinol (Copenh)** 1980 Oct; 95(2):177–80

Menarche and voice change as indicators of the pubertal growth spurt. Hägg U, et al. **Acta Odontol Scand** 1980; 38(3):179–86

Skeletal stages of the hand and wrist as indicators of the pubertal growth spurt. Hägg U, et al.
Acta Odontol Scand 1980;38(3):187–200

Serum cholesterol concentration in Greek pupils aged 9–18 years. The effect of puberty. Dacou-Voutetakis C, et al.
Acta Paediatr Scand 1981 Mar;70(2):257–8

Pubertal changes in boys and girls in Newcastle upon Tyne. Billewicz WZ, et al. **Ann Hum Biol** 1981 May-Jun; 8(3):211–9

Effect of puberty on rates of bone growth and mineralisation [letter] Steendijk R. **Arch Dis Child** 1980 Aug;55(8):655–6

Particular aspects of seminiferous tubules at early puberty. Amati S, et al. **Boll Soc Ital Biol Sper** 1980 May 30; 56(10):1083–9

Differences in the lipid constituents of sebum from pre-pubertal and pubertal subjects. Sansone-Bazzano G, et al. **Br J Dermatol** 1980 Aug;103(2):131–7

Ga-67 uptake in unilateral puberal gynecomastia. Tonami N, et al. **Clin Nucl Med** 1980 Sep;5(9):410–1

Pubertal induction of sweat gland activity. Rees J, et al.
Clin Sci 1981 Jun;60(6):689–92

Health problems of adolescents. Daniel WA Jr.
Compr Ther 1980 Dec;6(12):36–45

Recent advances in the endocrinology of puberty. Ojeda SR, et al. **Endocr Rev** 1980 Summer;1(3):228–57 (200 ref.)

Puberty in Laron type dwarfism. Laron Z, et al.
Eur J Pediatr 1980 Jun;134(1):79–83

Maximum aerobic power and body composition during the puberty growth period: similarities and differences between children of two European countries. Rutenfranz J, et al.
Eur J Pediatr 1981 May;136(2):123–33

Excercise ventilation during the growth spurt period: comparison between two European countries. Rutenfranz J, et al. **Eur J Pediatr** 1981 May;136(2):135–42

High IgM levels in women coincide with reproductive phase. Grundbacher FJ. **Experientia** 1980 Dec 15;36(12):1360–1

Body shape in prepubescent children. Campaigne BN, et al.
Growth 1981 Spring;45(1):1–7

Age at first conscious ejaculation: a milestone in male puberty. Laron Z, et al. **Helv Paediatr Acta** 1980 Mar; 35(1):13–20

The metabolic serum clearance of GnRH. Relationship to age, sex and male puberty. Tharandt L, et al.
Horm Metab Res 1981 May;13(5):277–82

Normal testicular volume in school children. Lall KB, et al. **Indian J Pediatr** 1980 Sept-Oct;47(388):389–93

Pubertal changes and their interrelationship in Indian girls. Bhargava SK, et al. **Indian Pediatr** 1980 Aug;17(8):657–65

Testosterone concentrations in spermatic venous blood plasma of prepubertal boys. Santoro S, et al.
Int J Androl 1981 Feb;4(1):82–5

Urinary excretion of immunoreactive luteinizing hormone-releasing hormone-like material in children correlation with pubertal development. Rettig K, et al.
J Clin Endocrinol Metab 1981 Jun;52(6):1150–5

Androgens in pubertal males with Addison's disease. Urban MD, et al. **J Clin Endocrinol Metab** 1980 Oct;51(4):925–9

The effects of exercise on pubertal progression and reproductive function in girls. Warren MP.
J Clin Endocrinol Metab 1980 Nov;51(5):1150–7

Twenty-four hour profile of integrated TSH concentration in puberty. Minuto F, et al. **J Endocrinol Invest** 1981 Jan-Mar;4(1):7–10

Adaptation of prepubertal children to exercise. Yates C, et

al. **J Okla State Med Assoc** 1981 Jun;74(6):173–7 (35 ref.)
Pubertal development in children treated for nephroblastoma. Scott JE. **J Pediatr Surg** 1981 Apr;16(2):122–5
Serum calcium, magnesium, inorganic phosphate and alkaline phosphatase in Ghanaian children at the age of puberty. Fenuku RI, et al. **J Trop Pediatr** 1980 Jun;26(3):85–7
Diet and acne. Michaëlsson G. **Nutr Rev** 1981 Feb; 39(2):104–6 (20 ref.)
Two cases of 48,XXYY: with discussion on the behaviour of prepubertal and postpubertal patients. Garry MB. **NZ Med J** 1980 Jul 23;92(664):49–51
Blood pressure levels related to age and puberal development at adolescence. Virdis R, et al. **Panminerva Med** 1980 Oct–Dec;22(4):223–7
Hormonal changes in puberty. Root AW. **Pediatr Ann** 1980 Oct;9(10):365–75 (9 ref.)
Estimation of GnRH pulse amplitude during pubertal development. Corley KP, et al. **Pediatr Res** 1981 Feb; 15(2):157–62
Increased pituitary sensitivity to luteinizing hormone releasing hormone at puberty: an event of proestrus. Johnson JH, et al. **Proc Soc Exp Biol Med** 1981 Jul; 167(3):434–7
[Radioimmunological studies of girls with menstrual disorders in puberty and adolescence] Süeva G, et al. **Akush Ginekol (Sofiia)** 1980;19(5–6):548–53 **(Bul)**
[Prolactin secretion during sleep at puberty. Preliminary results (author's transl)] Sultan C, et al. **Ann Biol Clin (Paris)** 1980;38(3):157–60 (Eng. Abstr.) **(Fre)**
[Puberty and adult height in congenital virilizing adrenal hyperplasia (author's transl)] Himon F, et al. **Ann Pediatr (Paris)** 1981 Mar;28(3):187–92 (Eng. Abstr.) **(Fre)**
[Secular trend and puberty (author's transl)] Levy A. **Ann Pediatr (Paris)** 1980 Oct;27(8):547–52 (Eng. Abstr.) **(Fre)**
[Persistant pubertal gynecomastia. Biological study (author's transl)] Sultan C, et al. **Ann Pediatr (Paris)** 1980 Feb; 27(2):109–16 **(Fre)**
[The barking cough of puberty] Minnigerode B, et al. **J Fr Otorhinolaryngol** 1981 Jun;30(6):391–3 (Eng. Abstr.) **(Fre)**
[Late diagnosis hyperandrogenism due to adrenal enzyme deficiency (author's transl)] Hazard J, et al. **Sem Hop Paris** 1980 Dec 18–25;56(47–68):1975–8 (Eng. Abstr.) **(Fre)**
[Persistant pubertal gynecomastia. Biological study (author's transl)] Sultan C, et al. **Sem Hop Paris** 1980 Dec 8–15; 56(45–46):1923–30 (Eng. Abstr.) **(Fre)**
[Investigations on the relation of acceleration, mutation, and dysphonia by means of diachronic analysis (author's transl)] Bastian HJ, et al. **Aerztl Jugendkd** 1980;71(3):205–11 (Eng. Abstr.) **(Ger)**
[Reference values for lactate dehydrogenase in the serum during childhood and puberty (author's transl)] van der Sluijs Veer G. **J Clin Chem Clin Biochem** 1980 May; 18(5):305–6 (Eng. Abstr.) **(Ger)**
[Investigations on the genesis of the pubertal growth spurt (author's transl)] Bierich JR. **Monatsschr Kinderheilkd** 1981 Jul;129(7):393–9 (Eng. Abstr.) **(Ger)**
[Endocrinology of the puberty (author's transl)] Knorr D. **Monatsschr Kinderheilkd** 1981 May;129(5):267–70 (Eng. Abstr.) **(Ger)**
[Psychopathological dynamics of suicidal behavior in childhood and puberty] Lange E, et al. **Psychiatr Clin (Basel)** 1980;13(2):96–107 (Eng. Abstr.) **(Ger)**
[Urinary testosterone excretion in boys in relation to other parameters of somatic maturity (a longitudinal study) (author's transl)] Gleispach H, et al. **Wien Klin Wochenschr** 1981 Feb 6;93(3):89–93 (Eng. Abstr.) **(Ger)**
[Hormonal control of puberty] Massobrio M, et al. **Minerva Ginecol** 1981 Feb–Mar;33(2–3):165–73 (70 ref.) (Eng. Abstr.) **(Ita)**
[Endocrinological aspects of puberal gynecomastia] Cicognani A, et al. **Minerva Pediatr** 1981 Jun 15; 33(11):507–14 (Eng. Abstr.) **(Ita)**
[Immunological aspects of pubertal goiter] Kobielowa Z, et al. **Pediatr Pol** 1981 Mar;56(3):295–304 (Eng. Abstr.) **(Pol)**
[Role of the hypothalamo–hypophyseal axis in the process of sex maturation] Koehler B, et al. **Pediatr Pol** 1980; 55(11):1255–9 **(Pol)**
[Sympathetic nervous system activity in neurotic and depressive states in puberty] Szewczyk L, et al. **Pediatr Pol** 1980;55(11):1189–92 (Eng. Abstr.) **(Pol)**
[Development of the genital system of prepubescent girls born highly premature] Serova ES, et al. **Akush Ginekol (Mosk)** 1980 Sep;(9):24–6 (Eng. Abstr.) **(Rus)**
[Puberal development in Cuban adolescents] Jordán Rodríguez J, et al. **Bol Med Hosp Infant Mex** 1980 Jul–Aug;37(4):619–30 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Puberty acceleration by a urinary cue from male mice in feral populations. Massey A, et al. **Biol Reprod** 1981 Apr; 24(3):523–7
Pubertal development in girls with sexual precocity after discontinuation of treatment with cyproterone acetate. Kauli R, et al. **Helv Paediatr Acta** 1980 May;35(2):149–54
[Estrogen induced puberty in girls with surgical and post irradiation castration (author's transl)] Thibaud E, et al. **Ann Pediatr (Paris)** 1980 Feb;27(2):117–21 **(Fre)**

PUBERTY, DELAYED

Delayed puberty in males with chronic renal failure. Ferraris J, et al. **Kidney Int** 1980 Sep;18(3):344–50

BLOOD

Somatomedin A levels in serum from healthy children and from children with growth hormone deficiency or delayed puberty. Hall K, et al. **Acta Endocrinol (Copenh)** 1980 Jun; 94(2):155–65
Decreased LH response to the second of consecutive day luteinizing hormone releasing hormone (LHRH) in fusions among patients with constitutional delay of puberty: a phenomenon of pubertal maturation? Schneider J, et al. **Clin Endocrinol (Oxf)** 1980 May;12(5):467–71
Constitutional delay of growth and adolescence. Lee PA, et al. **Growth** 1980 Jun;44(2):147–51

COMPLICATIONS

Hypernatraemia, diabetes mellitus, hyperprolactinaemia, retarded growth and delayed puberty in a 14 year old girl. Effect of bromocriptine treatment. Christensen NC, et al. **Acta Endocrinol (Copenh)** 1981 Jan;96(1):30–5
Prevention of adult height and bone mineral deficits in delayed male puberty with short stature [letter] Krabbe S, et al. **Arch Dis Child** 1980 Aug;55(8):657

DIAGNOSIS

Diagnosis of gonadotropin deficiency in adolescents: limited usefulness of a standard gonadotropin-releasing hormone test in obese boys. Kelch RP, et al. **J Pediatr** 1980 Nov; 97(5):820–4
Clinical value of adrenal androgen measurement in the diagnosis of delayed puberty. Cohen HN, et al. **Lancet** 1981 Mar 28;1(8222):689–92
Etiology and evaluation of delayed sexual development. Reindollar RH, et al. **Pediatr Clin North Am** 1981 May; 28(2):267–86
[Delayed pubertal development in pediatric practice] Straková M. **Cesk Pediatr** 1981;36(1):24–6 (Eng. Abstr.) **(Cze)**
[Clinical and biological study of 153 cases of sexual infantilism (author's transl)] Petrus M, et al. **Ann Pediatr (Paris)** 1980 Oct;27(8):481–9 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Induction of puberty in boys with delayed adolescence by methandrostenolone. Dickerman Z, et al. **Eur J Pediatr** 1980 Oct;135(1):59–64
Treatment of delayed puberty by intranasal application of gonadotropin-releasing hormone (GnRH). Happ J, et al. **Int J Fertil** 1980;25(3):247–55

ETIOLOGY

Delayed sexual development: a study of 252 patients. Reindollar RH, et al. **Am J Obstet Gynecol** 1981 Jun 15; 140(4):371–80
Delayed pubarche in adolescents with adrenal insufficiency. Hochberg Z. **Clin Pediatr (Phila)** 1980 Dec;19(12):827–8
Delayed sexual development: common causes and basic clinical approach. Reindollar RH, et al. **Pediatr Ann** 1981 May;10(5):30–9
Etiology and evaluation of delayed sexual development. Reindollar RH, et al. **Pediatr Clin North Am** 1981 May; 28(2):267–86
Impaired sexual maturation associated with sleep apnea syndrome during puberty: a case study. Mosko SS, et al. **Sleep** 1980;3(1):13–22
[Delayed puberty] Ambrosini A, et al. **Riv Ital Ginecol** 1977 Sep–Oct;58(5):385–99 (Eng. Abstr.) **(Ita)**
[Puberty in congenital hypothyroidism (author's transl)] David M, et al. **An Esp Pediatr** 1980 Sep;13(9):771–8 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Severe mental deficiency, proportionate dwarfism, and delayed sexual maturation. A distinct inherited syndrome. Cantú JM, et al. **Hum Genet** 1980;56(2):231–4
A 13-year-old girl with karyotype 47, XX, +i (22) (q11). Smith A, et al. **J Med Genet** 1981 Feb;18(1):61–4

METABOLISM

Precocious and delayed puberty. Studies of FSH and LH production and metabolism. Raiti S, et al. **Acta Endocrinol (Copenh)** 1980 Aug;94(4):475–9

PHYSIOPATHOLOGY

[Secretion of GH, prolactin, LH and FSH during sleep in normal children (author's transl)] Sultan C, et al. **Ann Pediatr (Paris)** 1980 Mar;27(3):145–51 **(Fre)**

PUBERTY, PRECOCIOUS

see related
ADRENAL HYPERPLASIA, CONGENITAL

Isosexual precocious puberty in a 9-year-old boy: nodular interstitial cell hyperplasia [letter] Harris F. **J R Soc Med** 1981 Apr;74(4):318

CHEMICALLY INDUCED

[Psychosocial aspects of extremely tall girls with a treatment-induced precocious puberty (author's transl)] Schneemann K, et al. **Arztl Jugendkd** 1981;72(2):100–7 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

[Prader-Labhart-Willi syndrome with precocious puberty. (author's transl)] Walterspiel JN, et al. **Klin Paediatr** 1981 Mar;193(2):120–1 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Effect of cyproterone acetate on adrenocortical function in children with precocious puberty. Savage DC, et al. **Arch Dis Child** 1981 Mar;56(3):218–22
Pubertal development in girls with sexual precocity after discontinuation of treatment with cyproterone acetate. Kauli R, et al. **Helv Paediatr Acta** 1980 May;35(2):149–54
Therapeutic use of pituitary desensitization with a long-acting lhrh agonist: a potential new treatment for idiopathic precocious puberty. Crowley WF Jr, et al. **J Clin Endocrinol Metab** 1981 Feb;52(2):370–2
[Treatment of central precocious puberty with danazol] Colle M, et al. **Pediatrie** 1981 Mar;36(2):103–10 (Eng. Abstr.) **(Fre)**
[A review of 74 cases of precocious puberty treated with cyproterone acetate in Japan (author's transl)] Koshimizu T, et al. **Nippon Naibunpi Gakkai Zasshi** 1981 Jan 20; 57(1):42–63 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Isosexual precocious puberty associated with multilocular arachnoid cysts at the cranial base. Report of a case. Okamoto K, et al. **Acta Neurochir (Wien)** 1981; 57(1–2):87–93
Premature thelarche. Natural history and etiologic investigation. Mills JL, et al. **Am J Dis Child** 1981 Aug; 135(8):743–5
Computed tomography in precocious puberty of central origin. Grosvalet A, et al. **Ann Radiol (Paris)** 1981 Jan; 24(1):32–8 **(Eng, Fre)**
Primary hypothyroidism and ovarian activity evidence for an overlap in the synthesis of pituitary glycoproteins. Case report. Evers JL, et al. **Br J Obstet Gynaecol** 1981 Feb; 88(2):195–202
Anterior optic gliomas with precocious or pseudoprecocious puberty. Iraci G, et al. **Childs Brain** 1980;7(6):314–24
Virilizing hepatoblastoma--significance of alpha-1-fetoprotein and human chorionic gonadotropin as tumor markers in diagnosis and follow-up. Heinrich UE, et al. **Eur J Pediatr** 1981 Feb;135(3):313–7
Precocious puberty in a boy with HcG-producing hepatoma. Case report. Butenandt O, et al. **Helv Paediatr Acta** 1980 May;35(2):155–63
Pubertas praecox in craniopharyngioma. Case report. Cabezudo JM, et al. **J Neurosurg** 1981 Jul;55(1):127–31
Klinefelter syndrome, tumor, and sexual precocity. Chaussain JL, et al. **J Pediatr** 1980 Oct;97(4):607–9
Isosexual precocious puberty in a 9-year-old boy: nodular interstitial cell hyperplasia. Röttger J, et al. **J R Soc Med** 1981 Jan;74(1):66–8
Precocious puberty and hypothalamic hamartoma. Hochman HI, et al. **Pediatrics** 1981 Feb;67(2):236–44
[Precocious puberty due to HCG secreting pinealoma (author's transl)] Rosenberg D. **Ann Pediatr (Paris)** 1980 Mar;27(3):179–84 **(Fre)**
[Klinefelter's syndrome associated with precocious puberty due to tumoral secretion of chorionic gonadotropins] Floret D, et al. **Arch Fr Pediatr** 1981 Feb;38(2):129–32 (Eng. Abstr.) **(Fre)**
[Precocious pseudo-puberty due to HCG-secreting androblastoma of the ovary. One case (author's transl)] Luton JP, et al. **Nouv Presse Med** 1980 Sep 27; 9(35):2539–44 (Eng. Abstr.) **(Fre)**
[Precocious puberty due to HCG secreting pinealoma (author's transl)] Rosenberg D. **Sem Hop Paris** 1981 Jan 8–15;57(1–2):68–73 (Eng. Abstr.) **(Fre)**
[Early the larche and hyperprolactinemia in the Smith-Lemli-Opitz syndrome] Calvani M, et al. **Minerva Pediatr** 1979 Dec 15;31(23):1721–32 (Eng. Abstr.) **(Ita)**
[Leydig cell tumor with pseudoprecocious puberty (author's transl)] Gracia R, et al. **An Esp Pediatr** 1980 Jul;13(7):593–8 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Familial precocious puberty in a brother and sister. Hopwood NJ, et al. **Am J Dis Child** 1981 Jan;135(1):78–9
Testicular leydig cell hyperplasia as a cause of familial sexual precocity. Schedewie HK, et al. **J Clin Endocrinol Metab** 1981 Feb;52(2):271–8
Familial precocious puberty associated with isolated

elevation of luteinizing hormone. Rosenfeld RG, et al. **N Engl J Med** 1980 Oct 9;303(15):859–62

METABOLISM

Precocious and delayed puberty. Studies of FSH and LH production and metabolism. Raiti S, et al. **Acta Endocrinol (Copenh)** 1980 Aug;94(4):475–9

PHYSIOPATHOLOGY

Height predictions in girls with idiopathic precocious puberty by the Bayley–Pinneau method. Kirkland JL, et al. **Pediatrics** 1981 Aug;68(2):251–2

PSYCHOLOGY

Precocious sexual development in girls: the emotional impact on the child and her parents. Solyom AE, et al. **J Pediatr Psychol** 1980 Dec;5(4):385–93

[Psychological aspects of precocious puberty] Fargašová I, et al. **Cesk Pediatr** 1981 Jul;36(7):377–80 (Eng. Abstr.) **(Cze)**

SURGERY

Clinical and surgical aspects of hypothalamic hamartoma associated with precocious puberty in a 15–month–old boy. Kammer KS, et al. **Childs Brain** 1980;7(3):150–7

PUBIC BONE

Osteitis pubis: treatment by heparinisation. Merimsky E, et al. **Br J Urol** 1981 Apr;53(2):154–6

Acute osteomyelitis of the pubic bone following pelvic surgery. Ozoktay S, et al. **J Natl Med Assoc** 1981 Feb; 73(2):161–3

The treatment of osteitis pubis with heparin. Nissenkorn I, et al. **J Urol** 1981 Apr;125(4):528–9

Case report 134. Mesenchymal chondrosarcoma of the right side of the pelvis and thigh. Burnett KR, et al. **Skeletal Radiol** 1981;6(1):58–61

Osteomyelitis of the pubis. Fuselier HA Jr, et al. **South Med J** 1980 Dec;73(12):1649–50

[Urticaria pigmentosa with skeletal involvement––a mastocytosis syndrome] Semerak M. **ROEFO** 1980 Dec; 133(6):673–4 **(Ger)**

ABNORMALITIES

Epidermoid cyst of anterior commissure of labia majora and separated pubic bones. Zivković SM. **Urology** 1981 May; 17(5):467–8

INJURIES

Stress fracture of the pubic arch in military recruits. Meurman KO. **Br J Radiol** 1980 Jun;53(630):521–4

Chronic bladder herniation associated with pubic diastasis. Foster EJ, et al. **J Trauma** 1981 Jan;21(1):80–2

Pubic ramus and adductor insertion stress fractures in female basic trainees. Oxburn MS, et al. **Milit Med** 1981 May; 146(5):332–4

Stress fractures of the inferior pubic ramus following hip surgery. Resnick D, et al. **Radiology** 1980 Nov;137(2):335–8

PATHOLOGY

[Pubic and ischio–pubic osteitis. Bacteriological and histopathological study of the pubic bone] Arlet J, et al. **Rev Rhum Mal Osteoartic** 1981 Feb;48(2):101–6 (Eng. Abstr.) **(Fre)**

[Cystic osteolytic lesion in Gardner syndrome] Regodón Vizcaino J, et al. **Rev Esp Enferm Apar Dig** 1980 Oct; 58(4):419–24 **(Spa)**

RADIOGRAPHY

Retropubic osteochondroma simulating prostatic calcifications: a case report. Amis ES Jr, et al. **J Urol** 1980 Nov;124(5):744–5

PUBIC SYMPHYSIS

Symphysis–fundus measurement in prediction of fetal growth disturbances. Wallin A, et al. **Acta Obstet Gynecol Scand** 1981;60(3):317–23

Pubic symphysitis in runners. A report of two cases. Koch RA, et al. **Am J Sports Med** 1981 Jan–Feb;9(1):62–3

ANATOMY & HISTOLOGY

Prediction of small–for–dates infants by measurement of symphysial–fundal–height. Quaranta P, et al. **Br J Obstet Gynaecol** 1981 Feb;88(2):115–9

INJURIES

Abdominal trauma associated with pelvic fracture. Murr PC, et al. **J Trauma** 1980 Nov;20(11):919–23

[Lesions of the symphysis and the sacroiliac joint] Stanković P, et al. **Zentralbl Chir** 1980;105(12):775–9 **(Ger)**

[Internal surgical fixation in ruptures of the pubic symphysis] Nikol'skiĭ MA, et al. **Ortop Travmatol Protez** 1980 Aug; (8):65–6 **(Rus)**

PATHOLOGY

[Use of the gravidogram in the prenatal care and diagnosis of pathological states in pregnancy] Hanousek L, et al. **Cesk Gynekol** 1981 May;46(4):308–14 **(Cze)**

PHYSIOLOGY

Bilateral accessory ossification center of the ischio–pubic synchondrosis in a female infant. Follow–up for over a three year period. Sandomenico C, et al. **Pediatr Radiol** 1981;10(4):233–6

PHYSIOPATHOLOGY

[Compensatory joints at the pelvis (author's transl)] Schumacher G, et al. **Z Orthop** 1980 Oct;118(5):691–7 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Osteomyelitis of the pubis in childhood. Simms RG, et al. **Can Med Assoc J** 1981 Apr 15;124(8):1028–30

SURGERY

Use of the transpubic approach for urethroplasty in children. Brock WA, et al. **J Urol** 1981 Apr;125(4):496–501

PUBLIC ASSISTANCE

see related
SOCIAL WELFARE

Pretreatment source of income and response to methadone maintenance: a follow–up study. McLellan AT, et al. **Am J Psychiatry** 1981 Jun;138(6):785–9

Perinatal practice and compensation for handicap [letter] Davis JA. **Br Med J** 1980 Oct 11;281(6246):1008

Perinatal practice and compensation for handicaps [letter] Mitchell P, et al. **Br Med J** 1980 Sep 27;281(6244):868

The disabled and the poor elderly: preferred groups for public support? Cook FL. **Gerontologist** 1979 Aug; 19(4):344–53

The 'aging network'. Strain EM. **J Indiana State Med Assoc** 1980 Sep;73(9):575

Health status and school achievement of children from Head Start and Free School Lunch Programs. Gietzen D, et al. **Public Health Rep** 1980 Jul–Aug;95(4):362–8

[Special financial assistance for children and adolescents with severe handicaps] Höllge J. **Cesk Pediatr** 1980 Oct; 35(10):566–8 (Eng. Abstr.) **(Cze)**

[The elderly in the public assistance hospital system in Paris] Benoit N, et al. **Cah Sociol Demogr Med** 1979 Oct–Dec; 19(4):100–21 **(Fre)**

[Surrendering medical records and giving information to public assistance offices] Rieger HJ. **Dtsch Med Wochenschr** 1981 Mar 6;106(10):314 **(Ger)**

[Support of and assistance to large families and single citizens with 3 children] Gropp I. **Z Gesamte Hyg** 1980; 26(7):538–45 (Eng. Abstr.) **(Ger)**

ECONOMICS

Are women treated farily in today's social security system? Burkhauser RV. **Gerontologist** 1979 Jun;19(3):242–9

[Public social assistance amounts for the aged] Scheil XB, et al. **Z Gerontol** 1980 May–Jun;13(3):261–74 (Eng. Abstr.) **(Ger)**

LEGISLATION & JURISPRUDENCE

Coordination of Older Americans Act programs. Greene JM. **J Am Diet Assoc** 1981 Jun;78(6):617–20

PUBLIC HEALTH

see related
HEALTH PLANNING
OCCUPATIONAL MEDICINE
SOCIAL MEDICINE

The paperwork crunch in state public health laboratories. Adcock DE, et al. **Am J Public Health** 1981 Jul; 71(7):748–50

Modifying dog litter in urban communities. Jason LA, et al. **Am J Public Health** 1981 Jul;71(7):746–7

The detection of arthritis in pigs in an abattoir and its public health significance. Cross GM, et al. **Aust Vet J** 1981 Apr; 57(4):153–8

A doctor's tour on the Eniwetok atoll. Dodd LE Jr. **Aviat Space Environ Med** 1980 Jul;51(7):720–4

Radiation exposure and the protection of the community. Gloag D. **Br Med J** 1980 Dec 6;281(6254):1545–8

CPHA study tour to the People's Republic of China, July 1980. MacKenzie CJ. **Can J Public Health** 1980 Sep–Oct; 71(5):313–20

Genetic screening: public health and the law. Rozovsky LE, et al. **Can J Public Health** 1981 Jan–Feb;72(1):15–6

Managing teenage pregnancies: success and failure in two U.S. communities. Allen JE, et al. **Health Care Manage Rev** 1980 Spring;5(2):85–93

The use of a microcomputer in a biomedical research project. Eckert RR, et al. **Int J Biomed Comput** 1981 Jan; 12(1):71–82

Toward equality in health through social policy. Townsend P. **Int J Health Serv** 1981;11(1):63–75

Public health aspects of roundworms [letter] Erbeck DH. **J Am Vet Med Assoc** 1981 May 1;178(9):878

Public health aspects of toxic heavy metals in animal feeds. Sharma RP, et al. **J Am Vet Med Assoc** 1980 Jul 15; 177(2):149–53

Fluoride's role in health promotion: a national perspective. Iverson DC. **J Public Health Dent** 1980 Summer; 40(3):276–83

A federal department of health. **J Public Health Policy** 1981 Jun;2(2):98–102

Operation Agila––a medical role for the Royal Navy in Rhodesia. Ridout SS. **J R Nav Med Serv** 1980 Summer; 66(2):124–8

A national public health service. Galbraith NS. **J R Soc Med** 1981 Jan;74(1):16–21

Community health and the public health veterinarian [editorial] **J S Afr Vet Assoc** 1979 Sep;50(3):147–50

Centenary oration. Evolution of responsibilities in the care of health. Tracy GD. **Med J Aust** 1980 Nov 29;2(11):591–6

Refugees' public health aspects. Reizen MS. **Mich Med** 1980 Nov;79(32):580

The nature of 'consumer health' as a public health concept. Cron TO. **Public Health Rep** 1981 May–Jun;96(3):274–8

Interdisciplinary research in the area of public health and health care. – Some examples chosen from the theoretical and the empirical levels. **Scand J Soc Med [Suppl]** 1980; 18:1–84

Exploration of an interdisciplinary research theme. The case of public health and health care in the society. Graninger G, et al. **Scand J Soc Med [Suppl]** 1980;18:3–23

Health and the assault on poverty in low income countries. McEvers NC. **Soc Sci Med [Med Econ]** 1980 Mar; 14(1):41–57

[Foods of animal origin and public health (author's transl)] Hermus RJ, et al. **Tijdschr Diergeneeskd** 1981 Mar 1; 106(5):265–74 (Eng. Abstr.) **(Dut)**

[Veterinary pharmacy and the protection of public health] Pantaleon J. **Bull Acad Natl Med (Paris)** 1980 Mar; 163(3):282–5 (Eng. Abstr.) **(Fre)**

[Management of science for a healthier community] Rochon J. **Can J Public Health** 1980 Jul–Aug;71(4):255–9 **(Fre)**

[Arboviral diseases: a field where research and public health call for international cooperation (author's transl)] Bres P. **Med Trop (Mars)** 1980 Sep–Oct;40(5):485–91 (Eng. Abstr.) **(Fre)**

[Selection of priorities in public health (author's transl)] Gateff C. **Med Trop (Mars)** 1980 Jul–Aug;40(4):425–31 (Eng. Abstr.) **(Fre)**

[Medical ethics and the public health office] Frey U. **Bull Schweiz Akad Med Wiss** 1980 Nov;36(4–6):427–30 (Eng. Abstr.) **(Ger)**

[Experience with the safeguarding of public health in Switzerland (author's transl)] Bircher JL. **Oeff Gesundheitswes** 1980 Jul;42(7):423–6 (Eng. Abstr.) **(Ger)**

[Traffic accidents: an epidemiologic problem in the area of public health] Böcher W. **Oeff Gesundheitswes** 1981 May; 43(5):218–27 **(Ger)**

[The possibilities of systematic cancer prevention from the public health view] Göttsching C. **Oeff Gesundheitswes** 1981 Feb;43(2):78–80 **(Ger)**

[Problems of summertime from the social medicine viewpoint] Hasselkus W, et al. **Oeff Gesundheitswes** 1981 May;43(5):207–10 **(ger)**

[Safety in public swimming pools (author's transl)] Hennighausen RH. **Oeff Gesundheitswes** 1980 Jun; 42(6):361–6 (Eng. Abstr.) **(Ger)**

[On the problems of public health legislation in a West African country, as exemplified by the republic of Togo (author's transl)] Hof H. **Oeff Gesundheitswes** 1980 Nov; 42(11):879–83 (Eng. Abstr.) **(Ger)**

[Potentialities and restraints of social hygiene work in the field of public health (author's transl)] Neumann G. **Oeff Gesundheitswes** 1980 Apr;42(4):180–90 (Eng. Abstr.) **(Ger)**

[Air pollution as a health problem] Schlipköter HW. **Oeff Gesundheitswes** 1981 Jan;43(1):9–13 **(Ger)**

[Prophylaxis of iron deficiency in children––a task to be performed by the Public Health Service? (author's transl)] Spindeldreier A. **Oeff Gesundheitswes** 1980;42(9):624–6 (Eng. Abstr.) **(Ger)**

[Tasks of a medical survey testing bureau within the framework of hospital hygiene (author's transl)] Steuer W. **Oeff Gesundheitswes** 1980;42(9):618–23 (Eng. Abstr.) **(Ger)**

[The significance of drugs for the health of our population] Bruppacher R. **Soz Praeventivmed** 1980 Mar;25(1–2):10–3 (Eng. Abstr.) **(Ger)**

[Remarks on the relation between social hygiene and epidemiology] Dahm I. **Z Gesamte Hyg** 1981;27(6):458–60 (Eng. Abstr.) **(Ger)**

[Monitoring compliance with hygiene instructions at public health facilities, an essential condition for preventing injurious effects to the health of working people, exemplified by the general instructions of the County Hygiene Institute] Ehrenhard D. **Z Gesamte Hyg** 1980; 26(10):748–51 **(Ger)**

[Understanding methods in social hygiene] Ewert G, et al. **Z Gesamte Hyg** 1981;27(6):448–55 (Eng. Abstr.) **(Ger)**

[Occupational dermatoses among workers in public health and social services] Knoblich K, et al. **Z Gesamte Hyg** 1981; 27(3):204–8 (Eng. Abstr.) **(Ger)**

[Importance of the terms: threshold value–limiting value––a risk in establishing hygienic normative principles for environmental pollution] Lüderitz P. **Z Gesamte Hyg** 1980; 26(7):515–7 (Eng. Abstr.) **(Ger)**

[The place of statistics in the methodological requirements of social hygiene] Otto J. **Z Gesamte Hyg** 1981;27(6):455–8 (Eng. Abstr.) **(Ger)**

[Social hygiene and clinical medicine] Rothe J. **Z Gesamte Hyg** 1981;27(6):464–7 (Eng. Abstr.) **(Ger)**

[Remarks on the relation between social hygiene and sociology] Schorr R, et al. **Z Gesamte Hyg** 1981;27(6):460–2 (Eng. Abstr.) **(Ger)**

[Scientific systematic and methodological relations of social hygiene to demography] Schüler H, et al. **Z Gesamte Hyg** 1981;27(6):462–4 (Eng. Abstr.) **(Ger)**

[Role of communal noise in theory and practice of medical protection of the environment] Schuschke G. **Z Gesamte Hyg** 1980;26(9):647–52 (Eng. Abstr.) **(Ger)**

[Systematic presentation of organizational principles for immediate laboratory diagnosis] Neymeyer HG, et al. **Z Med Lab Diagn** 1980;21(6):311–6 (Eng. Abstr.) **(Ger)**

[Resistance to the implementation of principles of hygiene (author's transl)] Bergler R. **Zentralbl Bakteriol [B]** 1980; 172(1–3):1–43 (Eng. Abstr.) **(Ger)**

[Public health dental service. Situation and goal] Fichtner HJ. **ZFA (Stuttgart)** 1980 May 20;56(14):1017–23 **(Ger)**

[Environmental protection. Only a new task for the public health service?] Wiedemann HP. **ZFA (Stuttgart)** 1980 May 31;56(15):1093–6 **(Ger)**

[Parasitological problems in relation to environmental policies] Biocca E. **Parassitologia** 1979 Dec;21(1–3):1–9 **(Ita)**

[Role and responsibility of the public administration in the campaign against parasitic diseases] Sacchetti A. **Parassitologia** 1979 Dec;21(1–3):11–25 **(Ita)**

[The binomial health–disease approach and the concept of personality in the ecosystem: implications for public health] Savastano H. **Rev Saude Publica** 1980 Mar;14(1):137–42 (Eng. Abstr.) **(Por)**

[Studies to identify the most informative sources in the field of hygiene and sanitation] Kalin VD, et al. **Gig Sanit** 1980 Oct;(10):46–8 **(Rus)**

[Scientific and practical work of health officers and their role in the development of hygienic research] Kotel'nikova MP. **Gig Sanit** 1980 Sep;(9):41–4 **(Rus)**

[Experience in organizing the creative cooperation of institute scientists with scientific collectives, enterprises and practical public health institutions] Kundiev IuI, et al. **Gig Tr Prof Zabol** 1980 Jul;(7):41–4 (Eng. Abstr.) **(Rus)**

[Pediatric science for public health practice] Vel'tishchev IuE. **Pediatriia** 1980 Jul;(7):3–10 **(Rus)**

[New developments in Soviet legislation on public health] Kogan VL, et al. **Sov Zdravookhr** 1980;(10):6–9 **(Rus)**

[Public health of Afghanistan at a new stage through the April revolution] Kryshtopa BP. **Sov Zdravookhr** 1981; (5):50–6 **(Rus)**

[Environment and the problem of maintaining the health of the population in the Baikal–Amur Main Line construction zone] Sedov KR. **Vestn Akad Med Nauk SSSR** 1981; (3):55–66 (Eng. Abstr.) **(Rus)**

[In the name of the health of the Soviet man (facts and figures)] **Voen Med Zh** 1981 May;(5):15–8 **(Rus)**

[Hygienic science in public health practice] Shevchenko MG. **Vopr Pitan** 1980 Nov–Dec;(6):9–11 **(Rus)**

[Disasters and public health] Lechat MF. **Bol Of Sanit Panam** 1980 Jun;88(6):471–80 (Eng. Abstr.) **(Spa)**

[The control of international travelers in Cuba (editorial)] Rodriguez Hernández P. **Rev Cubana Med Trop** 1980 May–Aug;32(2):91–2 **(Spa)**

[Objectives and strategy of the health sector toward obtaining minimum health requirements for all in the year 2000] **Salud Publica Mex** 1981 Jan–Feb;23(1):49–63 **(Spa)**

[A surgery of public health services is needed] Kamper-Jørgensen F. **Nord Med** 1981 Feb;96(2):60–1 **(Swe)**

[Pharmaceutical service is an inseparable part of Soviet health protection] Prokopishyn VI, et al. **Farm Zh** 1980 Jun; (3):28–30 **(Ukr)**

ECONOMICS

Public health implications of diagnostic and therapeutic strategies. Merckx V. **Bull Cancer (Paris)** 1980;67(5):512–4

[Comments on the permanent financial crisis in Federal German 'National Health'–development, causes, suggestions for consolidation (author's transl)] Dornbusch HL. **Oeff Gesundheitswes** 1980 Oct;42(10):734–45 (Eng. Abstr.) **(Ger)**

[Social hygiene and economics] Ackermann E, et al. **Z Gesamte Hyg** 1981;27(6):467–9 (Eng. Abstr.) **(Ger)**

[Economic improvement problems of public health] Malamud MI. **Sov Zdravookhr** 1981;(2):26–31 (Eng. Abstr.) **(Rus)**

EDUCATION

MPH–an attractive alternative. Gumbhir AK. **Am Pharm** 1980 Oct;20(10):56–7

A graduate public health program for podiatric medicine: final results and recommendations. Kamel WW, et al. **J Am Podiatry Assoc** 1980 Dec;70(12):628–31

Systematic curriculum development in an Indonesian pos-graduate Faculty of Public Health. Saifuddin FD, et al. **Med Educ** 1980 Jul;14(4):295–302

The training of veterinary students in the field of public health. Davies EB. **Vet Rec** 1981 Mar 28;108(13):281–2

[Training and education in the field of general and community hygiene in the GDR] Horn K. **Z Gesamte Hyg** 1980 Mar 3;26(3):207–8 **(Ger)**

[Hygiene instruction in the colleges of the Soviet Union] Rumjanzew GI. **Z Gesamte Hyg** 1980;26(8):597–9 **(Ger)**

[Education and advanced training of public health workers and specialists in the field of health education in the German Democratic Republic] Schmidt W, et al. **Z Gesamte Hyg** 1980 Apr;26(4):243–6 (Eng. Abstr.) **(Ger)**

[Completed version of the program of 1st degree specialization in hygiene and epidemiology] Naruszewicz-Lesiuk D, et al. **Przegl Epidemiol** 1980; 34(3):345–9 **(Pol)**

[Experience with student broad, primary specialization in a health and hygiene department] Chernenko VD, et al. **Gig Sanit** 1980 Aug;(8):29–31 **(Rus)**

[Methodological bases for teaching theoretical and specialized disciplines in the health and hygiene department] Gabovich RD, et al. **Gig Sanit** 1981 Mar; (3):47–51 **(Rus)**

[Ways of improving the teaching of communal hygiene in colleges] Gabovich RD, et al. **Gig Sanit** 1981 May;(5):30–2 **(Rus)**

[State and perspectives of improvement of postgraduate education of physicians specializing in sanitation and hygiene in the USSR] Golikov VIa, et al. **Gig Sanit** 1980 Nov;(11):40–2 **(Rus)**

[Role of the epidemiological health station as a base for the training of the hygienist and epidemiologist] Goncharuk EI, et al. **Gig Sanit** 1980 Aug;(8):31–4 **(Rus)**

[On-the-job practice of the students of a sanitation and hygiene department] Ivanov AV. **Gig Sanit** 1980 Jul; (7):39–41 **(Rus)**

[Improved training of the health officer in child and adolescent hygiene based on the study of his practical duties] Kardashenko VN, et al. **Gig Sanit** 1981 May;(5):24–7 **(Rus)**

[Methodological approaches to elaborating a model of the activities of hygienists and epidemiologists] Rumiantsev GI, et al. **Gig Sanit** 1980 Oct;(10):41–3 **(Rus)**

[Role of health and hygiene departments in the training of physicians in preventive medicine] Rumiantsev GI, et al. **Gig Sanit** 1980 Oct;(10):3–5 **(Rus)**

[50th anniversary of the Central Order of Lenin Institute of Higher Medical Education] Kovrigina MD. **Sov Zdravookhr** 1980;(11):13–6 **(Rus)**

[The teaching of public health at Chilean medical schools (author's transl)] Medina Lois E. **Rev Med Chil** 1980 Oct; 108(10):945–55 (Eng. Abstr.) **(Spa)**

HISTORY

Public health in Toronto's municipal politics: the Canniff years, 1883–1890. MacDougall H. **Bull Hist Med** 1981 Summer;55(2):186–202

Public health in Aztec society. Harvey HR. **Bull NY Acad Med** 1981 Mar;57(2):157–65

Thorvald Madsen 1870–1957. Leader in international public health. Parnas J. **Dan Med Bull** 1981 Apr;28(2):82–6

Catherine the Great and public health. Alexander JT. **J Hist Med Allied Sci** 1981 Apr;36(2):185–204

Models for action. **J Public Health Policy** 1980;1(2):103–9

A profile/interview of John B. DeHoff, MD, MPH–Baltimore's Commissioner of Health [interview by Blaine Taylor] DeHoff JB. **Md State Med J** 1980 Dec; 29(12):35–40, 42,44 passim

Historical data, Maryland State Department of Health, 1899–1932. Riley RH. **Md State Med J** 1980 Nov; 29(11):92–7

History of the South Dakota State Department of Health (1891–1950). **SD J Med** 1981 May;34(5):67–8

Some Italian broadsides and passports of epidemiologic interest (1618–1723). Jarcho S. **Trans Stud Coll Physicians Phila** 1981 Mar;3(1):40–52

The colonial legacy: health and medicine in the Belgian Congo. Janssens PG. **Trop Doct** 1981 Jul;11(3):132–40

[Czech hygiene and Czech society at the turn of the 19th and 20th centuries] Nikliček L, et al. **Cesk Zdrav** 1981 Apr; 29(4):156–64 **(Cze)**

[Smoking or health. A cultural–historical retrospective view] Kneist W. **Z Gesamte Hyg** 1981;27(6):477–80 (Eng. Abstr.) **(Ger)**

[Medical welfare then and now] Sanden B. **ZFA (Stuttgart)** 1980 Mar;56(8):567–72 **(Ger)**

[Social hygiene, sociography, literature] Szállási A. **Orv Hetil** 1981 May 17;122(20):1199–202 **(Hun)**

[Miscellanea in the Warsaw press about the health service during the November Uprising] Stembrowicz W. **Arch Hist Med (Warsz)** 1980;43(4):415–21 **(Pol)**

[Views of P.I. Pestel' on medicine] Katsnel'bogen AG. **Klin Med (Mosk)** 1980 Aug;58(8):117–21 **(Rus)**

[Public health in Chimkent Province in the years of World War II] Altynbekov M. **Sov Zdravookhr** 1980;(8):51–3 **(Rus)**

[Public health in Chimkent Province in the postwar period] Altynbekov M. **Sov Zdravookhr** 1981;(3):57–9 **(Rus)**

[Activities of the Academic Medical Council of the People's Commissariat of Public Health of the USSR in 1937–1941] Bazanov VA. **Sov Zdravookhr** 1980;(12):57–60 **(Rus)**

[International hygiene exhibitions in Dresden] Iarovinskii MIa. **Sov Zdravookhr** 1980;(12):60–3 **(Rus)**

[Decembrists and the progressive medical community of Russia] Katsnel'bogen AG. **Sov Zdravookhr** 1980;(10):51–5 **(Rus)**

[Society of Poltava Physicians and the 'Transactions of the Permanent Medical Commission of the Poltava Guberniya Zemstvo Board'] Miliavskii VM. **Sov Zdravookhr** 1981; (4):69–71 **(Rus)**

[Samaritan Union of Workers of Germany: an example of the creative activities of the German working class in 1909–1930 in the fight against a bourgeois public health policy] Moschke G. **Sov Zdravookhr** 1981;(2):52–6 **(Rus)**

[S.S. Andreevskii in Astrakhan] Palkin BN. **Sov Zdravookhr** 1981;(6):66–8 **(Rus)**

[Zemstvo medicine in the Crimea] Perfil'ev GN. **Sov Zdravookhr** 1981;(1):63–6 **(Rus)**

[60 years of public health in autonomous Udmurtia] Savel'ev VN. **Sov Zdravookhr** 1981;(4):53–9 **(Rus)**

[S. V. Kurashov, outstanding Soviet public health figure] Serenko AF, et al. **Sov Zdravookhr** 1980;(10):45–8 **(Rus)**

[1st Five-Year Plan for the development of public health in the Soviet Union] Shishkin AP. **Sov Zdravookhr** 1980; (9):46–9 **(Rus)**

[Medical service to the German population in the last stage of World War II and early post-war period] Marasanov RA, et al. **Voen Med Zh** 1981 Jun;(6):16–9 **(Rus)**

[Program of research on the history of medicine and its significance for the further development of public health, medical education and medical science in the Ukrainian SSR] Piatak OA, et al. **Vrach Delo** 1981;(4):7–10 **(Rus)**

[Devotion to the health cause: Fred Lower Soper] Vaccarezza RF. **Medicina (B Aires)** 1981;41(1):101–6 **(Spa)**

MANPOWER

[The need for physicians in public health] Beske F, et al. **Oeff Gesundheitswes** 1981 Jan;43(1):1–3 **(Ger)**

[Public health medical officers in Austria. Demographic analysis and requirement figures (author's transl)] Flamm H, et al. **Oeff Gesundheitswes** 1980 Nov;42(11):902–6 (Eng. Abstr.) **(Ger)**

TRENDS

From concepts to programs: three decades of progress for veterinary public health and animal health in Latin America and the Caribbean. Acha PN. **Bull Pan Am Health Organ** 1980;14(4):356–75

Public health nutrition services: issues today and tomorrow. Egan MC. **J Am Diet Assoc** 1980 Oct;77(4):423–7

Contempo '81. Public health and preventive medicine. Peterson DR. **JAMA** 1981 Jun 5;245(21):2216–8

Cure for all ills [news] Imam Z. **Nature** 1981 Mar 19; 290(5803):180

Prevention and health: no body's business. Quigley PA. **Public Health** 1981 Mar;95(2):97–9

Statistical methods in public health: some recent trends. Walter SD. **Public Health Rev** 1979 Jul–Sep;8(3):219–77

The myth of the public health pharmacist in the U.S.A. Moore SR. **R Soc Health J** 1981 Aug;101(4):155–7

[The significance of public health system research for the further development of public health] Beske F. **Oeff Gesundheitswes** 1981 Mar;43(3):125–7 **(Ger)**

[The future of public health service] Göttsching C. **Oeff Gesundheitswes** 1980 Aug;42(8):548–53 **(Ger)**

[Efforts made by physicians regarding legislation on the introduction of administrative sections in Germany -- review of literature 1895–1979 (author's transl)] Naeve W. **Oeff Gesundheitswes** 1980 Apr;42(4):191–9 (Eng. Abstr.) **(Ger)**

[On future technic] Steinbuch K. **Oeff Gesundheitswes** 1980 Jul;42(7):404–14 **(Ger)**

[Present status of method awareness in the specialty of social hygiene and outlook on further theoretical work] Ewert G, et al. **Z Gesamte Hyg** 1981;27(6):474–6 (Eng. Abstr.) **(Ger)**

[Activities of the Sysin Institute of General and Communal Hygiene of the U.S.S.R. Academy of Medicine in the 10th Five-Year Plan] Sidorenko GI, et al. **Gig Sanit** 1981 Mar; (3):38–42 **(Rus)**

[Tasks of Soviet public health in light of the decisions of the 26th Session of the Communist Party of the Soviet Union] **Klin Med (Mosk)** 1981 May;59(5):3–4 **(Rus)**

[Public health in Bashkiria from congress to congress] Kamalov MKh, et al. **Sov Med** 1981;(2):92–5 **(Rus)**

[Triumph of Lenin's ideas in public health] Burenkov SP. **Sov Zdravookhr** 1980;(11):3–8 **(Rus)**

[Public health in the 10th Five-Year Plan] Burenkov SP. **Sov Zdravookhr** 1981;(1):3–8 **(Rus)**

[Development of the prophylactic trend in Soviet public health] Burenkov SP, et al. **Sov Zdravookhr** 1981;(3):3–7 **(Rus)**

[Achievements and outlook in the development of public health in Kazakhstan] Sharmanov TSh. **Sov Zdravookhr** 1980;(11):9–13 **(Rus)**

[Socioeconomic transformations in the village and the public health developmental prospects] Testemitsanu NA, et al. **Sov Zdravookhr** 1981;(5):14–7 **(Rus)**

[Protection of the environment and health of the population of Siberia and the Far East] Borodin IuI, et al. **Vestn Akad Med Nauk SSSR** 1981;(3):34–7 (Eng. Abstr.) **(Rus)**

[New frontiers in prevention] Pavlov AV. **Vrach Delo** 1980 Dec;(12):1–4 **(Rus)**

[Appropriate technology (editorial)] Acuña HR. **Bol Of Sanit Panam** 1980 Nov;89(5):377–80 **(Spa)**

PUBLIC HEALTH ADMINISTRATION

see related
COMMUNITY HEALTH SERVICES

Primary health care for urban children and youth: the role of local health departments. Chang A. **Am J Public Health** 1981 Jan;71(1 Suppl):31–3

The role of the states in the delivery of health services. Clarke GJ. **Am J Public Health** 1981 Jan;71(1 Suppl):59–69

The program implications of administrative relationships between local health departments and state and local government. DeFriese GH, et al. **Am J Public Health** 1981 Oct;71(10):1109–15

Health departments and long-term care. Lee PR. **Am J Public Health** 1981 Jan;71(1 Suppl):90–2

A federal view of local health departments. McGinnis JM. **Am J Public Health** 1981 Jan;71(1 Suppl):83–4

The role of city government in personal health services. Millman M. **Am J Public Health** 1981 Jan;71(1 Suppl):47–57

A state view of local health departments. Pickett GE. **Am J Public Health** 1981 Jan;71(1 Suppl):84–5

Rural areas and personal health services: current strategies. Sheps CG, et al. **Am J Public Health** 1981 Jan;71(1 Suppl):71–82

Primary health care and the local health department: the North Carolina experience. Tilson HH, et al. **Am J Public Health** 1981 Jan;71(1 Suppl):35–45

Planning health services: cooperation between professionals and health authority. McEwin R, et al. **Aust NZ J Surg** 1980 Dec;50(6):571–3

An overview of the Salmonella surveillance system in Canada. Bollegraaf E. **Can J Public Health** 1980 Jul–Aug; 71(4):241–9

A consortium to coordinate public and voluntary sectors under contract in child welfare. Ryan FJ. **Child Welfare** 1980 Dec;59(10):607–14

Ambiguities and inaccuracies in the notification system for tuberculosis in England and Wales. Davies PD, et al. **Community Med** 1981 May;3(2):108–18

Local social administration and its clientele (towards an analysis of responsiveness of social and health services to clients' needs). Grunow D, et al. **Int J Rehabil Res** 1980; 3(2):233–4

Application of marketing principles to improve participation in public health program. Alexander K, et al. **J Community Health** 1981 Spring;6(3):216–22

Closing radioactive waste sites: the other side of the coin [editorial] Alexander LL. **J Natl Med Assoc** 1980 Nov; 72(11):1041–2

The state of the public sector health services in California. Shonick W. **J Public Health Policy** 1981 Jun;2(2):164–76

Industrial hypertension control program in a rural state. Walworth CC. **J SC Med Assoc** 1980 Sep;76(9 Suppl):75–82

Community involvement in high blood pressure control—the Bamberg model. Watson MC. **J SC Med Assoc** 1980 Sep; 76(9 Suppl):83–6

Developing community support: a first step toward a school sex education program. Chethik BB. **J Sch Health** 1981 Apr;51(4):266–70

BCG vaccination: what should Australia do? [editorial] **Med J Aust** 1980 Nov 15;2(10):534–5

The control and eradication of tuberculosis. A summary report. Kearns TJ, et al. **N Engl J Med** 1980 Oct 2; 303(14):812–4

Nonphysician directors of local health departments: results of a national survey. Cameron CM Jr, et al. **Public Health Rep** 1980 Jul–Aug;95(4):386–98

Current status of rheumatic fever control programs in the United States. Kaplan EL. **Public Health Rep** 1981 May–Jun;96(3):267–8

Capacity building, linkages, and rural health systems: and federal perspective. Sussman GE, et al. **Public Health Rep** 1981 Jan–Feb;96(1):50–7

The Swedish Adverse Drug Reaction Committee: an important tool for safer drug therapy. Böttiger LE. **QRB** 1981 Feb;7(2):14–20

Consumer involvement: the Massachusetts Vocational Rehabilitation Program. Minch JA, et al. **Rehabil Lit** 1981 Jan–Feb;42(1–2):8–13

The therapist-spiritist training project in Puerto Rico: an experiment to relate the traditional healing system to the public health system. Koss JD. **Soc Sci Med [Med Anthropol]** 1980 Nov;14B(4):255–66

[The public action in water hygiene] Sournia JC. **Bull Acad Natl Med (Paris)** 1980;164(6):489–94 (Eng. Abstr.) **(Fre)**

[The role of thermalism in public health administration policies] Cevey M. **Rev Med Suisse Romande** 1981 Jan; 101(1):67–9 **(Fre)**

[Multidisciplinary team work in the medicosocial field] Martin J. **Rev Med Suisse Romande** 1981 Jan;101(1):71–3 **(Fre)**

[Some problems in compulsory hospitalization of the mentally sick from the aspect of the public health office (author's transl)] Körmendy E. **Oeff Gesundheitswes** 1980 Apr; 42(4):223–7 (Eng. Abstr.) **(Ger)**

[Efforts made by physicians regarding legislation on the introduction of administrative sections in Germany — review of literature 1895–1979 (author's transl)] Naeve W. **Oeff Gesundheitswes** 1980 Apr;42(4):191–9 (Eng. Abstr.) **(Ger)**

[Structure and problems faced by the public health service system in Sri Lanka (author's transl)] Neumann J. **Oeff Gesundheitswes** 1980 Nov;42(11):884–92 (Eng. Abstr.) **(Ger)**

[Drawbacks resulting from communalization of public health service offices in Lower Saxony (author's transl)] Ochmann A. **Oeff Gesundheitswes** 1980 Jun;42(6):369–72 (Eng. Abstr.) **(Ger)**

[Relieving the burden of the public health offices] Ochmann A. **Oeff Gesundheitswes** 1980 Nov;42(11):850–2 **(Ger)**

[Concepts of social hygiene concerning the organizational aspect of public health] Ewert G. **Z Gesamte Hyg** 1980 Apr;26(4):280–3 (Eng. Abstr.) **(Ger)**

[Scientific systematic and methodological relation of social hygiene to organization] Hornei R, et al. **Z Gesamte Hyg** 1981;27(6):469–74 (Eng. Abstr.) **(Ger)**

[Operational organization in public health] Richau H. **Z Gesamte Hyg** 1980 Apr;26(4):297–300 (Eng. Abstr.) **(Ger)**

[Interrelationship of social medicine and organizational measures in the medical field in the FRG] Rothe J. **Z Gesamte Hyg** 1980 Apr;26(4):262–5 **(Ger)**

[Work organization in public health] Walther J. **Z Gesamte Hyg** 1980 Apr;26(4):300–5 (Eng. Abstr.) **(Ger)**

[A desirable public health organization] Palenzona C. **Minerva Med** 1981 May 19;72(20):1307–10 **(Ita)**

[The most commonly used technics in health planning] Tinõco A da F. **Rev Saude Publica** 1980 Dec;14(4):597–605 (Eng. Abstr.) **(Por)**

[Deontological aspects of organizational activities of a sanitary physician] Borisenko NF. **Gig Sanit** 1980 Nov; (11):54–6 **(Rus)**

[Cooperative efforts of the public health institutions and Red Cross Society committees of the RSFSR in spreading sanitary-hygienic informaion among the people] Tiuliandin AD, et al. **Gig Sanit** 1980 Jun;(6):38–40 **(Rus)**

[District sanitary-epidemiological stations in the control of helminthiasis] Fabizhevskiĭ BS. **Med Parazitol (Mosk)** 1980 Jul–Aug;49(4):66–7 (Eng. Abstr.) **(Rus)**

[Joint work experience of a research institute and public health institutions] Kabanov MM, et al. **Sov Med** 1980; (8):100–3 **(Rus)**

[Cooperative study is one of the ways of introducing scientific achievements into public health practice] Starinskiĭ VV, et al. **Sov Med** 1980;(9):88–90 **(Rus)**

[Experience in teaching scientific work organization in courses to improve the qualifications of public health administrators] Apsatarov AA, et al. **Sov Zdravookhr** 1981; (1):52–5 (Eng. Abstr.) **(Rus)**

[Work of the permanent public health committee of a local soviet] Gotlib VO. **Sov Zdravookhr** 1981;(3):44–8 (Eng. Abstr.) **(Rus)**

[Medical sociology and the problem of man] Anokhin AM. **Vestn Akad Med Nauk SSSR** 1980;(4):36–42 **(Rus)**

[Place and role of public health in a socialist society] Ferents K. **Vestn Akad Med Nauk SSSR** 1980;(4):16–22 **(Rus)**

[Philosophical basis of medical social problems] Izutkin AM, et al. **Vestn Akad Med Nauk SSSR** 1980;(4):29–36 **(Rus)**

[Work improvement in introducing advanced experience in therapeutic and prophylactic institutions] Dreerman IaI. **Vrach Delo** 1980 Jul;(7):121–3 **(Rus)**

[Problems in improving the training of public health organizers] Emel'ianova GF, et al. **Vrach Delo** 1980 Sep; (9):7–10 **(Rus)**

[Certain problems in developing the Automated Control System for the 'Sanitary-Epidemiologic Service' of the Uzbek SSR] Pulatov IaG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Jul;(7):98–102 (Eng. Abstr.) **(Rus)**

[Research applied to the health services] Ciari C Jr. **Educ Med Salud** 1981;15(1):94–6 **(Spa)**

[Program of detection, treatment and control of tuberculosis, latrine construction, and health education] Solis JM, et al. **Prensa Med Mex** 1979 Sep–Oct;44(9–10):196–200 (Eng. Abstr.) **(Spa)**

[National Department of Health and Welfare comment on a 5-year coverage of cases submitted to the liability commission: More than half pass judgments in more serious cases] Strandell LR. **Lakartidningen** 1980 Dec 3; 77(49):4640–2 **(Swe)**

ECONOMICS

State Board of Health looks at consolidation of programs, possible reductions [interview by Charles L. Mathews] Cobb AB. **J Miss State Med Assoc** 1981 Jun;22(6):150–1

The relative values of public health procedures. Chapin CV. **Proc Inst Med Chic** 1981 Jan–Mar;34(1):13–8

[Administrative decentralization of medical care services in the Secretaría de Salubridad y Asistencia. II. Financing the services] López Acuña D, et al. **SPM** 1980 Jan–Feb; 22(1):25–37 (Eng. Abstr.) **(Spa)**

HISTORY

Deregulation and the right to life. Yankauer A. **Am J Public Health** 1981 Aug;71(8):797–8

[Development of disciplina:y responsibility for public health organization in various international health systems] Friedemann H. **Z Gesamte Hyg** 1980 Apr;26(4):283–90 (Eng. Abstr.) **(Ger)**

[Development of the relationship between social hygiene and public health organization in the Soviet Union] Klessen D. **Z Gesamte Hyg** 1980 Apr;26(4):290–4 (Eng. Abstr.) **(Ger)**

[Military health services for the civilian population of Western Pomerania during the years 1945–1946] Dorsz-Szteke E, et al. **Wiad Lek** 1981;34(7):615–8 (Eng. Abstr.) **(Pol)**

[Reforms in the field of medical service organization in Russia at the end of the 18th century] Palkin BN. **Sov Zdravookhr** 1981;(3):67–70 **(Rus)**

[Leninist principles of public health] Chikin SIa. **Vestn Akad Med Nauk SSSR** 1980;(4):3–9 **(Rus)**

[Quarantine service and anti-epidemic measures in the Ukraine during the 18th century] Borodiĭ NK. **Zh Mikrobiol Epidemiol Immunobiol** 1980 May;(5):117–20 **(Rus)**

LEGISLATION & JURISPRUDENCE

Re: 'health effects of particulate pollution: reappraising the evidence' [letter] Bross ID. **Am J Epidemiol** 1980 Oct; 112(4):571–5

Health department legal liability for injuries in vaccination programs. Curran WJ. **Am J Public Health** 1980 Nov; 70(11):1215–6

Section 63 activities. **J R Coll Gen Pract [Occas Pap]** 1980 Jun;(11):1–50

[Department of Public Health and health care?] Pfau E. **ZFA (Stuttgart)** 1980 Nov 30;56(33):2305–8 **(Ger)**

METHODS

[Management organization in public health] Schneider K. **Z Gesamte Hyg** 1980 Apr;26(4):295–7 (Eng. Abstr.) **(Ger)**

[Systems approach problems in public health management] Aksenov ND, et al. **Sov Zdravookhr** 1981;(5):25–7 **(Rus)**

[Utilization of statistical information for district public health management] Pisarenko EF. **Sov Zdravookhr** 1980;(9):6–10 **(Rus)**

ORGANIZATION & ADMINISTRATION

Outcome-oriented management at the Vancouver health department. Weinstein MS. **Can J Public Health** 1981 Mar–Apr;72(2):93–6

[Joint work experience of the Leningrad Research Institute of Radiation Hygiene with practical public health organizations] Poplavskiĭ KK. **Gig Sanit** 1980 Dec;(12):43–5 **(Rus)**

[Administrative decentralization of medical care services of the Secretaría de Salubridad y Asistencia. Analysis of a case. I. Antecedents] Narro JR, et al. **SPM** 1980 Jan–Feb; 22(1):13–22 (Eng. Abstr.) **(Spa)**

STANDARDS

[Improving the system for introducing normative-methodologic documents into practice in the national economy and public health system] Vishnevskaia SS, et al. **Gig Tr Prof Zabol** 1980 Apr;(4):44–5 **(Rus)**

[Experience in improving the management of a rural district public health system] Khodakovskiĭ VG. **Vrach Delo** 1980 Sep;(9):11–5 **(Rus)**

TRENDS

Role of local health departments in the delivery of ambulatory care. Miller CA, et al. **Am J Public Health** 1981 Jan;71(1 Suppl):15–29

[The significance of public health system research for the further development of public health] Beske F. **Oeff Gesundheitswes** 1981 Mar;43(3):125–7 **(Ger)**

PUBLIC HEALTH DENTISTRY

see related
HEALTH EDUCATION, DENTAL

Th use of fluoride dentifrices: a public health measure. Glass RL. **Community Dent Oral Epidemiol** 1980;8(5):278–82

Monitoring and evaluation of results of community fluoride programs in Norway during the 1960's and 1970's. Rise J, et al. **Community Dent Oral Epidemiol** 1980 Apr; 8(2):79–83

A community approach to the prevention of dental disease in the children of developing countries. Valentine AD. **Int Dent J** 1981 Mar;31(1):23–8

Fluoridation: a review of social research. Frazier PJ. **J Public Health Dent** 1980 Summer;40(3):214–33 (127 ref.)

Achievements of the seventies: community and school fluoridation. Newbrun E. **J Public Health Dent** 1980 Summer;40(3):234–47

Policy implications for dental public health. Pearson EA Jr. **J Public Health Dent** 1981 Winter;41(1):46–7

Advanced dental education and dental public health [editorial] Striffler DF. **J Public Health Dent** 1980 Summer; 40(3):199–200

[Public dental health service. Remarks on the article by HJ Fichtner in ZFA 14/1980 p 1017 (Physician and public health officer 18)] Weidner K. **ZFA (Stuttgart)** 1980 Jul 31;56(21):1368–9 **(Ger)**

[Transition from community dental care to youth dental care. Effects of a referral system] Hope T.

Nor Tannlaegeforen Tid 1981 Mar;91(4):117-21 **(Nor)**

ECONOMICS

Pit and fissure sealants in private practice and public health programmes: analysis of cost-effectiveness. Horowitz HS. **Int Dent J** 1980 Jun;30(2):117-26

EDUCATION

Behavioral objectives for the education of public health dentists. Modified by Working Group 3 of the Commission on the Public Dental Health Services. **Int Dent J** 1981 Mar; 31(1):67-74

A one-day-a-week extramural experience for senior students in community dentistry. Wasserman BS, et al. **NY State Dent J** 1980 Nov;46(9):570-6

[Professional practice in regional public health and its role in the education and training of future dentists] Buth K, et al. **Stomatol DDR** 1980;30(9):635-40 **(Ger)**

HISTORY

One hundred years of dental public health. James PM. **Br Dent J** 1981 Jul 7;151(1):20-23

[Development of dental care and the training of dentists in the Mongolian People's Republic] Norovpil Ts, et al. **Stomatologiia (Mosk)** 1981 Jan-Feb;60(1):91-2 **(Rus)**

MANPOWER

[The dental assistant in the team of dental service delivery] Vasconcellos M do C. **Rev Saude Publica** 1980 Mar; 14(1):123-36 (Eng. Abstr.) **(Por)**

PUBLIC HEALTH NURSING

Night Nursing Service in West Fife. Gillespie JV. **Health Bull (Edinb)** 1980 Sep;38(5):187-93

The public health nurse as a guide in infant child-care and education. Lauri S. **J Adv Nurs** 1981 Jul;6(4):297-303

Does nursing management need to change with impending reorganisation? Hoadley DM. **R Soc Health J** 1981 Jun; 101(3):106-8

EDUCATION

Training for team care. Milne MA. **J Adv Nurs** 1980 Nov; 5(6):579-89

A hypertension diet education program for public health nurses. Kostas G. **J Am Diet Assoc** 1980 Nov;77(5):570-4

Evaluation and follow-up of a hypertension diet education program. Kostas G. **J Am Diet Assoc** 1980 Nov;77(5):574-6

Mahidol University, Bankok, Thailand: training of public health nurse practitioners in Thailand. Limprasutr P. **Public Health Pap** 1980;2(71):143-58

HISTORY

Is the public health nurse's bag anachronism? Shamansky SL, et al. **Nurs Outlook** 1980 Jun;28(6):379-81

TRENDS

The public health nurse [editorial] **NZ Med J** 1981 Jan 28; 93(676):42-3

PUBLIC HOUSING

Dental utilization and dental health status of children from a rent-to-income housing complex. Barrette PA, et al. **Can J Public Health** 1981 Mar-Apr;72(2):105-10

Victimization and fear of crime in elderly public housing tenants. Lawton MP, et al. **J Gerontol** 1980 Sep; 35(5):768-79

HUD's crime prevention program. Curtis LA. **Public Health Rep** 1980 Nov-Dec;95(6):558

PUBLIC LAW 93-641 see **HEALTH PLANNING**

PUBLIC OPINION

see related
ATTITUDE TO HEALTH

The public's current beliefs about mental illness: serious obstacle to effective community psychology. Morrison JK. **Am J Community Psychol** 1980 Dec;8(6):697-707

Getting our act together [editorial] Schorr TM. **Am J Nurs** 1981 Apr;81(4):719

Public support for National Health Insurance. Goodman LJ, et al. **Am J Public Health** 1981 Oct;71(10):1105-8

Fluoridation: strategies for success. Isman R. **Am J Public Health** 1981 Jul;71(7):717-21

Deregulation and the right to life. Yankauer A. **Am J Public Health** 1981 Aug;71(8):797-8

Rogers vs. Okin: the public's reaction. Guttmacher S, et al. **Ann NY Acad Sci** 1981;368:133-6

Public has confidence in surgical care. **AORN J** 1981 Jan; 33(1):184

Public attitudes toward cancer [news] **ASDC J Dent Child** 1980 Sep-Oct;47(5):369

Nuclear energy: The accuracy of policy makers' perceptions of public beliefs. Thomas K, et al. **Behav Sci** 1980 Sep; 25(5):332-44

The drug industry. The public image. Smith T. **Br Med J** 1980 Nov 22;281(6252):1410-1

The public's perspective on academic medicine and clinical research. Stern AR. **Bull NY Acad Med** 1981 Jul-Aug; 57(6):476-9

Negativism, equivocation, and wobbly assent: public 'support' for the prochoice platform on abortion. Blake J, et al. **Demography** 1981 Aug;18(3):309-20

A survey of public attitudes toward epilepsy in 1979 with an indication of trends over the past thirty years. Caveness WF, et al. **Epilepsia** 1980 Oct;21(5):509-18

The visibility and image of handicapped people on television. Donaldson J. **Except Child** 1981 Mar;47(6):413-6

The disabled and the poor elderly: preferred groups for public support? Cook FL. **Gerontologist** 1979 Aug; 19(4):344-53

Media and message strategies: consumer input for hospital advertising. Flexner WA, et al. **Health Care Manage Rev** 1981 Winter;6(1):35-41

A survey of attitudes on the use of electroconvulsive therapy. Kalayam B, et al. **Hosp Community Psychiatry** 1981 Mar; 32(3):185-8

Community survey profiles hospital's image, helps set goals. Greene RH. **Hospitals** 1981 Jan 1;55(1):60-3

Social attitudes, legal standards and personal trauma in child custody cases. Hitchens D. **J Homosex** 1979-80 Fall-Winter;5(1-2):89-95

The prosthodontist, the patient, and the public. Bishop E. **J Prosthet Dent** 1981 Feb;45(2):205-8

Attitudes of the public towards dogs and cats as companion animals. Selby LA, et al. **J Small Anim Pract** 1981 Mar; 22(3):129-37

Proposal for national health insurance and health policy: social survey results. Goodman LJ. **Med Care** 1981 Mar; 19(3):329-41

Community attitudes to selection of medical students. Chalmers JP, et al. **Med J Aust** 1981 May 16;1(10):535-7

The 'Angel of Death': the anatomy of 1980's major news story about nursing. Kalisch PA, et al. **Nurs Forum** 1980; 19(3):212-41

The new breed. Kelly LY. **Nurs Outlook** 1981 Jul;29(7):440

Public knowledge of hospice care. Perrollaz LE, et al. **Nurs Outlook** 1981 Jan;29(1):46-8

Manpower studies for the United States. Part II. Demand for eye care. A public opinion poll based upon a Gallup poll survey. Reinecke RD, et al. **Ophthalmology (Rochester)** 1981 Apr;88(4):34A-47A

Thoughts on improving the public's knowledge of ophthalmology and eye care. Winograd LA. **Ophthalmology (Rochester)** 1981 Feb;88(2):31A-33A

Arts vs science in medicine. A look at public perception of physicians [editorial] Budd JH. **Postgrad Med** 1981 Feb; 69(2):13-9

An attempt to change the negative, stigmatizing image of mental patients through brief reeducation. Morrison JK, et al. **Psychol Rep** 1980 Aug;47(1):334

Public judgments on the importance of valium information [proceedings] Fisher S, et al. **Psychopharmacol Bull** 1981 Jan;17(1):134

[Alternative therapeutics; report of the Committee on Alternative Therapeutics] Muntendam P. **Ned Tijdschr Geneeskd** 1981 Mar 7;125(10):383-7 **(Dut)**

[Cultural perception of epilepsy in Senegal (Cap-Vert and river district) (author's transl)] Adotevi F, et al. **Med Trop (Mars)** 1981 May-Jun;41(3):283-7 (Eng. Abstr.) **(Fre)**

[Polynesia, myth and depression (author's transl)] Virieu R. **Med Trop (Mars)** 1981 May-Jun;41(3):307-13 (Eng. Abstr.) **(Fre)**

[What the Swiss think about drugs in the context of public health (various indications and trends gathered from 2 opinion polls)] Bridel F. **Soz Praeventivmed** 1980 Mar; 25(1-2):61-5 (Eng. Abstr.) **(Fre)**

[The psychiatric clinic and the public (author's transl)] Keel P, et al. **Ther Umsch** 1980 Jan;37(1):28-33 (Eng. Abstr.) **(Ger)**

[The cholesterol controversy (author's transl)] Stähelin HB. **Ther Umsch** 1980 Aug;37(8):649-53 (Eng. Abstr.) **(Ger)**

[Representation of the aged in magazine advertisements] Hastenteufel R. **Z Gerontol** 1980 Nov-Dec;13(6):530-9 (Eng. Abstr.) **(Ger)**

[Defamation of psychiatry hurts psychiatric patients] Heinrich K. **ZFA (Stuttgart)** 1980 Sep 30;56(27):1738-9 **(Ger)**

[Opinions of the patients of the psychiatric department, medical students and students of psychology on mental diseases and preservation of mental health] Hese RT, et al. **Psychiatr Pol** 1980 Jul-Aug;14(4):383-8 (Eng. Abstr.) **(Pol)**

PUBLIC POLICY

Human services, professionals and the paradox of institutional reform. Lenrow P, et al. **Am J Community Psychol** 1980 Aug;8(4):463-84

In praise of paradox: a social policy of empowerment over prevention. Rappaport J. **Am J Community Psychol** 1981 Feb;9(1):1-25

DAWN: a second look--its impact on minorities and public policy. Mandel J, et al. **Am J Drug Alcohol Abuse** 1980; 7(3-4):361-77

Public policy and patient care: implications for internal medicine. Barondess JA. **Am J Med** 1981 Feb;70(2):223-6

Freedom and protection: a balancing of interests. Baker SP, et al. **Am J Public Health** 1981 Mar;71(3):295-7

Perspective on the public good. Perkins RJ. **Am J Public Health** 1981 Mar;71(3):294-5

Orphan drugs: creating a policy. Asbury CH, et al. **Ann Intern Med** 1981 Aug;95(2):221-4

Papers in science and public policy I. **Ann NY Acad Sci** 1981; 368:1-235

Drugtaking and prevention: the implications of research for social policy. Plant MA. **Br J Addict** 1980 Sep;75(3):245-54

The limits of persuasion: anti-smoking activities in the USSR. Deber RB. **Can J Public Health** 1981 Mar-Apr; 72(2):118-26

Child abuse and neglect: changing policies and perspectives. Koerin BB. **Child Welfare** 1980 Nov;59(9):542-50

Health education and public policy in the United Kingdom. Horner JS. **Community Med** 1980 Aug;2(3):229-35

Abortion 1980: the debate continues. Healey JM. **Conn Med** 1980 Sep;44(9):605

Financial incentives for energy management. Drodge WJ. **Dimens Health Serv** 1981 Feb;58(2):20-1

Alcohol policy measures and the consumption of alcoholic beverages in Finland, 1950 - 1975. Osterberg E. **Drug Alcohol Depend** 1981 Feb;7(1):85-97

Policy approaches regarding the impact of graduation requirements on handicapped students. Ross JW, et al. **Except Child** 1980 Nov;47(3):200-3

Worldwide laws and policies on contraception, abortion and sterilization affect service provision [news] **Fam Plann Perspect** 1980 Jul-Aug;12(4):210-2

Retirement policy and promotional prospects. Cantrell RS, et al. **Gerontologist** 1980 Oct;20(5 Pt 1):575-80

Aging and social policy: the role of the first forum. Kreps JM. **Gerontologist** 1979 Aug;19(4):340-3

The Donald P. Kent Memorial Lecture: 'modern' old age and public policy. Oriol WE. **Gerontologist** 1981 Feb; 21(1):35-45

Pension policy at a crossroads: what should be the pension mix? Schulz JH. **Gerontologist** 1981 Feb;21(1):46-53

A contrast to the American model: the British tradition of social administration moral concerns at the expense of scientific rigor. Bulmer M. **Harvey Lect** 1981 Apr; 11(2):35-42

Managing the impact of public policy on hospitals. Riggs FL. **Health Care Manage Rev** 1980 Fall;5(4):59-65

Abortion on demand: policy and implementation. Cohen M, et al. **Health Soc Work** 1981 Feb;6(1):65-72

Mental health law and public policy. Scallet LJ. **Hosp Community Psychiatry** 1980 Sep;31(9):614-7

Federal policy on hospital capital investment: review and outlook. Kinney ED. **Hospitals** 1981 Aug 1;55(15):75, 78, 80

Toward equality in health through social policy. Townsend P. **Int J Health Serv** 1981;11(1):63-75

Does legal advocacy and redistribution by the courts produce better social policies for the mentally handicapped? Vrooman PC. **Int J Law Psychiatry** 1980;3(1):89-96

Special educational ideology and political-economic conservatism. Schwamm J. **Int J Rehabil Res** 1980; 3(1):5-13

Normalization and rehabilitation as objects of socio-political measures concerning the mentally retarded in Denmark and the Federal Republic of Germany: an intercultural comparative study. Wedekind R, et al. **Int J Rehabil Res** 1980;3(3):327-38

Public policy implications of graduate follow-up studies in family practice. Graham R. **J Fam Pract** 1980 Nov; 11(5):779-84

Elders and children: patterns of public policy in the fifty states. Benjamin AE Jr, et al. **J Gerontol** 1980 Nov; 35(6):928-34

Health policy and the economy. Falkson JL. **J Health Polit Policy Law** 1980 Summer;5(2):391-4

Social policy and the rights of the mentally ill: time for re-examination. Shwed H. **J Health Polit Policy Law** 1980 Summer;5(2):193-8

Dead wrong--estrogens, osteoporosis cancer and public policy. Gordon GS. **J Med** 1980;11(2-3):203-22

How will it affect children? The need for child advocacy process and policy. Blom GE. **J Sch Health** 1981 Jan; 51(1):61-2

Mandated family life education a rose is a rose is a rose is a rose. Darden JS Jr. **J Sch Health** 1981 Apr;51(4):292-4

The use of attitudinal data for public policy: the case of unnecessary hospital use. Rothberg DL, et al. **Med Care** 1981 Jan;19(1):47-54

Developing public policy for persons with disabilities: the case for a categorical approach. Ross EC. **Ment Retard** 1980 Aug;18(4):159-63

Social science and health services research: contributions to public policy. Bice TW. **Milbank Mem Fund Q** 1980 Spring;58(2):173-200

'Exit, Voice, and Loyalty:' further reflections and a survey of recent contributions. Hirschman AO. **Milbank Mem Fund Q** 1980 Summer;58(3):430-53

Evaluating medical technology in the context of a fiscal crisis: the case of New Zealand. McKinlay JB. **Milbank Mem Fund Q** 1980 Spring;58(2):217-67

Pharmaceuticals for developing countries: an interface of science, technology, and public policy. Simon HJ. **Pharos** 1981 Spring;44(2):9-15

Advances in the epidemiology of injuries as a basis for public policy. Haddon W Jr. **Public Health Rep** 1980 Sep-Oct;

95(5):411–21
The demographic dimensions of health manpower policy. Ostow M, et al. **Public Health Rep** 1981 Jul–Aug; 96(4):304–9
Gerontology and social policy. Tornstam L. **Scand J Soc Med [Suppl]** 1977;Suppl 14:181–8
The organization and practice of East Asian medicine in Japan: continuity and change. Lock M. **Soc Sci Med [Med Anthropol]** 1980 Nov;14B(4):245–53
Health care resources and public policy in Pakistan. Siddiqi AH. **Soc Sci Med [Med Geogr]** 1980 Sep;14D(3):291–8
Report of the President's Commission on Pension Policy: executive summary. **Soc Secur Bull** 1981 May;44(5):14–7
[Research policy in gerontology: 'Advice on programs and tools in gerontological research'] Tack PJ, et al. **Gerontologie** 1981 May;12(2):70–80 **(Dut)**
[Effect of health policy and sociopolitical measures in the German Democratic Republic on the health and development of children] Niebsch G. **Arztl Jugendkd** 1981; 72(2):118–24 **(Ger)**
[30 years GDR—30 years of social policy for the benefit of aging and aged citizens] Eitner S. **ZFA (Dresden)** 1980; 35(3):253–9 (Eng. Abstr.) **(Ger)**
[New stage in the social policy of the Leninist Party] Metelitsa LV, et al. **Gig Sanit** 1981 Mar;(3):4–7 **(Rus)**
[Basic directions in the economic and social development of the USSR in the years 1981–1985 and in the period up to 1990 and the tasks of industrial hygiene] Roshchin AV. **Gig Tr Prof Zabol** 1981 Feb;(2):1–4 **(Rus)**
[Social development program of the USSR] **Khirurgiia (Mosk)** 1981 May;(5):3–5 **(Rus)**
[Medical aspects of demographic policy in a large city] Miniaev VA, et al. **Sov Zdravookhr** 1981;(3):7–11 **(Rus)**

TRENDS

Deinstitutionalization: phase II. Mayeda T, et al. **Monogr Am Assoc Ment Defic** 1981;(4):375–81

PUBLIC RELATIONS

Packaging the package. Romero R, et al. **Am J Nurs** 1981 Jan;81(1):106
Public relations—the Texas approach. Sheffield JW. **Am Pharm** 1980 Nov;20(11):27
How to use the media. Doolan E. **Br Dent J** 1981 Jun 16; 150(12):357
Cost containment is focus of week's celebration. **Hospitals** 1981 Feb 1;55(3):32–3
Hospitals play key role in improving conditions for the disabled. Foley EJ. **Hospitals** 1981 Jan 16;55(2):69–70
Strategies for promoting nutrition and dietitians. Henneman A, et al. **J Am Diet Assoc** 1980 Oct;77(4):466–8
Join the PR team. Graham W. **J Fla Med Assoc** 1981 Mar; 68(3):186–7
Bad hospital PR—the patient pays. Vickers FN. **J Fla Med Assoc** 1981 Aug;68(8):657–8
The need for 'P.R. thinking' in your medical practice. Beck LC, et al. **J Indiana State Med Assoc** 1981 Jun;74(6):384–6
Developing marketing strategies for university teaching hospitals. Fink DJ. **J Med Educ** 1980 Jul;55(7):574–9
Developing community support: a first step toward a school sex education program. Chethik BB. **J Sch Health** 1981 Apr;51(4):266–70
International year of disabled persons [letter] Ruskin AP. **JAMA** 1981 Apr 10;245(14):1411
A multi-faceted program for continuing education in nursing. Shockley J. **JNE** 1981 Mar;20(3):20–6
The Public Relations Committee: an interview with Edward D. Layne, MD, Chairman [interview by Blaine Taylor] Layne ED. **Md State Med J** 1981 Mar;30(3):54–9
The need for 'pr thinking' in your medical practice. Beck LC, et al. **Mo Med** 1981 Apr;78(4):206–9
Minority nurses in the news. Kalisch BJ, et al. **Nurs Outlook** 1981 Jan;29(1):49–54
Communicating clinical nursing issues through the newspaper. Kalisch BJ, et al. **Nurs Res** 1981 May–Jun; 30(3):132–8
Coming out of the office. The need for local involvement. Demorest BH. **Ophthalmology (Rochester)** 1981 May; 88(5):29A–31A
Thoughts on improving the public's knowledge of ophthalmology and eye care. Winograd LA. **Ophthalmology (Rochester)** 1981 Feb;88(2):31A–33A
Toxic shock syndrome—scientific uncertainty and the public media. Todd JK. **Pediatrics** 1981 Jun;67(6):921–3
[On the International Year of the Handicapped] Hellbrügge T. **Fortschr Med** 1981 Jan 15;99(1–2):1–2, 12 **(Ger)**
[From a home for diabetics to a research institute – 50-year anniversary of the Gerhardt Katsch Central Institute for Diabetes in Karlsberg] Bibergeil H. **Z Gesamte Inn Med** 1981 Jan 1;36(1):1–3 **(Ger)**

ECONOMICS

To market, to market to buy a fat pig–or–how to attract new clients. McCord R. **Mod Vet Pract** 1981 Sep; 62(9):675–8

PUBLISHING

Authors and publishers: the mutual selection process. Evans N. **Am J Nurs** 1981 Feb;81(2):350–2
The ethics of medical publishing: prior publication and full disclosure by authors [editorial] **Ann Intern Med** 1981 Mar; 94(3):401–2
Must plagiarism thrive? **Br Med J** 1980 Jul 5;281(6232):41–2
Preparation of a dental case history report for publication. Croll TP. **J Am Dent Assoc** 1981 Jan;102(1):59–61
Learning to write: can books help? Cummins RO. **J Med Educ** 1981 Feb;56(2):128–32
Perishing while publishing: as the authors see it. Brosnan J, et al. **Nurs Outlook** 1980 Nov;28(11):688, 690
Perishing while publishing: as the editor sees it. Lewis EP. **Nurs Outlook** 1980 Nov;28(11):689–90
Research publication credit assignment: nurses' views. Werley HH, et al. **Res Nurs Health** 1981 Jun;4(2):261–79
Medical House, home of MASA publications. Gilder SS, et al. **S Afr Med J** 1980 Nov 8;58(19):747–51
Ethics of Publishing results from research. Pindborg JJ. **Scand J Dent Res** 1981 Feb;89(1):12–5
[The reading of medical publications—continuing medical education group medicine—auxiliary personnel] Doan BD. **Cah Sociol Demogr Med** 1980 Jan–Mar;20(1):51–8 **(Fre)**
[Medicine and pedagogy, Concepts, basics and consequences. Part 12. Continuing education with publications?] Kissel D. **MMW** 1981 Mar 20;123(12):52–5 **(Ger)**
[New radiological methods in specialist publications] Mathias K. **Roentgenpraxis** 1980 Nov;33(11):272–6 **(Ger)**
[The journal 'Stomatologiia' (Moskva)—The professional organ of the Medico-Scientific Allunion Society of Stomatologists of the Soviet Union] Reinecke KP. **Stomatol DDR** 1980 Mar;30(3):219–25 (Eng. Abstr.) **(Ger)**
[The journal 'Stomatologija (Moskva)'—organ of the medico–scientific all–union Society of Stomatologists of the Soviet Union. Synopsis II] Reinecke KP. **Stomatol DDR** 1980 Jan;30(1):66–74 (Eng. Abstr.) **(Ger)**
[The modern society – a special request to the specialist press] Bjørnstad P. **Tidsskr Nor Laegeforen** 1981 Jan;101(1):61–3 **(Nor)**

HISTORY

A short history of the Karger Publishing firm. Karger T. **Bull Med Libr Assoc** 1981 Apr;69(2):254–7
[Jacob Voegen van Engelen, medical journalist; 'De Surinaamsche Artz'] Lindeboom GA. **Ned Tijdschr Geneeskd** 1981 Jun 27;125(26):1044–9 **(Dut)**
[Billroth's 1st pylorus resection, his publications of this in the 'Wiener Medizinischen Wochenschrift' and a glance back to his time] Wyklicky H. **Wien Med Wochenschr** 1981 Jan 15;131(1):1–13 **(Ger)**
[Those who are born editors cannot be claimed even by medicine (Kálmán Osváth)] Szállási A. **Orv Hetil** 1981 Apr 5;122(14):837–9 **(Hun)**

LEGISLATION & JURISPRUDENCE

Scientific publications and the law of defamation [editorial] Wilcox M. **Med J Aust** 1980 Jul 26;2(2):59–60

STANDARDS

Safety first [editorial] Downs FS. **Nurs Res** 1980 Nov–Dec; 29(6):332

TRENDS

The French connection. Dixon B. **Br J Hosp Med** 1981 Jan; 25(1):66
Books: the medical-book business. Moore FD. **N Engl J Med** 1981 Jul 9;305(2):112–5
The publishing game: getting more for less [news] Broad WJ. **Science** 1981 Mar 13;211(4487):1137–9

PUERICULTURE see **CHILD CARE**

PUERPERAL DISORDERS

Massive postpartum hematuria of the right kidney. Tchabo JG. **Am J Obstet Gynecol** 1981 Sep 1;141(1):106–7
Late recovery in peripartum cardiomyopathy. Moreyra AE, et al. **Clin Cardiol** 1980 Aug;3(4):281–3
Acute uterine inversion: a report of two cases. Opaneye AA. **Int J Gynaecol Obstet** 1980;18(4):251–4
Cortical blindness and homonymous hemianopia in the postpartum period. Beal MF, et al. **JAMA** 1980 Nov 7; 244(18):2085–7
Gram-negative septicaemia complicating puerperal tetanus [letter] Tubbs H. **Trans R Soc Trop Med Hyg** 1980; 74(5):686–7
[Grave obstetrical phlebitis. Physiopathology, diagnosis and treatment (6 case histories) (author's transl)] Rudigoz RC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1979;8(7):637–46 (Eng. Abstr.) **(Fre)**
[Acute puerperal uterine invasion. 3 case reports. Review of literature] Tamburini E, et al. **Minerva Ginecol** 1981 Apr; 33(4):363–76 (105 ref.) (Eng. Abstr.) **(Ita)**
[Thrombosis of the cerebral sinuses and veins associated with pregnancy, birth and puerperium] Gusev VA, et al. **Sov Med** 1980;(7):116–8 **(Rus)**

BLOOD

Effect of sulpiride on plasma prolactin levels in women with puerperal or pathological hyperprolactinaemia. Massara F, et al. **Acta Endocrinol (Copenh)** 1980 Oct;95(2):145–50
Incidence and clinical significance of severe maternal acidosis. Its influence on the fetal acid–base balance. Derom R, et al. **J Perinat Med** 1981;9 Suppl 1:87–9
[Pregnancy, delivery, and puerperium of patients with constitutional thrombopathy (author's transl)] Brandt M, et al. **Zentralbl Gynaekol** 1980;102(22):1308–11 (Eng. Abstr.) **(Ger)**
[Effect of anemia in parturients on the hemoglobin level and the indicators of iron metabolism in newborn infants] Dłużniewska K, et al. **Ginekol Pol** 1980 Jun;51(6):525–32 (Eng. Abstr.) **(Pol)**

CHEMICALLY INDUCED

Effect of norethisterone on puerperal vaginal bleeding. Murphy HM. **Ir J Med Sci** 1980 Nov;149(11):434–5

COMPLICATIONS

Abdominopelvic abscess resulting from delayed postpartum uterine rupture. Duff P, et al. **Am J Obstet Gynecol** 1981 Jul 15;140(6):711–3
Psychosomatics of cryptococcosis. Andrew B, et al. **Papua New Guinea Med J** 1980 Mar;23(1):51–3
[Postpartum acute renal failure with microangiopathic hemolytic anemia] Potasman I, et al. **Harefuah** 1981 Jan 1;100(1):23–4 (Eng. Abstr.) **(Heb)**
[Clinical notes on hyperventilation in the course of post–partum eclampsia. A review of 18 cases] Castelli E, et al. **Minerva Ginecol** 1980 Sep;32(9):745–8 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Detection and differentiation of metabolic acidosis in parturients. Marx GF, et al. **Anesth Analg (Cleve)** 1980 Dec; 59(12):929–31
Puerperal Psychosis. Phenomena and diagnosis. Brockington IF, et al. **Arch Gen Psychiatry** 1981 Jul;38(7):829–33
Glycosylated haemoglobin concentrations in mothers of large babies. Steel JM, et al. **Br Med J [Clin Res]** 1981 Apr 25; 282(6273):1357–8
Postpartum depression. Vandenbergh RL. **Clin Obstet Gynecol** 1980 Dec;23(4):1105–11 (7 ref.)
Postpartum capillary leak syndrome. A case report. Kanda K, et al. **Crit Care Med** 1980 Nov;8(11):661–2
Acute lupus pneumonitis in the puerperium. A case report and literature review. Myers SA, et al. **J Reprod Med** 1980 Nov;25(5):285–9
Postpartum necrotizing fasciitis. Lowthian JT, et al. **Obstet Gynecol** 1980 Nov;56(5):661–3
A review of the syndrome of puerperal ovarian vein thrombophlebitis. Munsick RA, et al. **Obstet Gynecol Surv** 1981 Feb;36(2):57–66 (31 ref.)
Recurrent postpartum painless thyroiditis. Gay JL, et al. **South Med J** 1980 Dec;73(12):1674–5
[Transient thyrotoxicosis and occult subacute thyroiditis after pregnancy] Brauman A, et al. **Harefuah** 1980 Mar 16; 98(6):264–5 (Eng. Abstr.) **(Heb)**
[Echocardiographic follow–up of peripartum cardiomyopathy during and after pregnancy] Csanády M, et al. **Orv Hetil** 1980 Oct 5;121(40):2443–8 **(Hun)**
[Acute pancreatitis in advanced pregnancy, labor and puerperium] Lembrych S. **Ginekol Pol** 1981;52(3):261–3 (Eng. Abstr.) **(Pol)**
[4 cases of idiopathic puerperal renal insufficiency] Rutkowski B, et al. **Pol Tyg Lek** 1980 Nov 10;35(45):1745–7 (Eng. Abstr.) **(Pol)**
[Acute appendicitis in the puerperium after cesarean section] Ljubojević N, et al. **Jugosl Ginekol Opstet** 1980 May–Aug; 19(3–4):201–6 (Eng. Abstr.) **(Scr)**
[Puerperal cardiomyopathy] Sošovec V, et al. **Vnitr Lek** 1980 Sep;26(9):879–85 (Eng. Abstr.) **(Slo)**
[Thrombosis of the superior sagittal sinus in the puerperium] Hedstrand H, et al. **Lakartidningen** 1980 Aug 20; 77(34):2813–4 **(Swe)**

DRUG THERAPY

Ibuprofen versus placebo in the relief of post–episiotomy pain. Taina E. **Curr Med Res Opin** 1981;7(7):423–8
Magnesium sulfate for uterine inversion. Grossman RA. **J Reprod Med** 1981 May;26(5):261–2
Post partum haemolytic–uraemic syndrome treated with antithrombin–III. Brandt P, et al. **Nephron** 1981;27(1):15–8
The management of puerperal haemorrhoids. A double–blind clinical trial of Anacal rectal ointment. Ledward RS. **Practitioner** 1980 Jun;224(1344):660–1
Increased serum prolactin levels during phenothiazine and butyrophenone treatment of six postpartum women. Goode DJ, et al. **Psychoneuroendocrinology** 1980 Dec;5(4):345–51
Cefamandole for treatment of obstetrical and gynecological infections. Cunningham FG, et al. **Scand J Infect Dis [Suppl]** 1980;suppl 25:75–82
[A new approach to the prophylaxis and therapy of puerperal mastitis (author's transl)] Gerstner G, et al. **Geburtshilfe Frauenheilkd** 1980 Dec;40(12):1078–82 (Eng. Abstr.) **(Ger)**
[Insulin requirements of the diabetic woman during pregnancy, labor, delivery and the puerperium (author's transl)] Miller EC. **Geburtshilfe Fraunheilkd** 1981 May; 41(5):362–5 (Eng. Abstr.) **(Ger)**
[Bromocriptine—an alternative in the treatment of puerperal mastitis] Gerstner G, et al. **Gynaekol Rundsch** 1980 Jun;20 Suppl 2:64–6 **(Ger)**

[Safe post partum iron, folic acid treatment] Bergmann W. **ZFA (Stuttgart)** 1980 May 20;56(14):1028–33 **(Ger)**
[Bromocryptin in obstetrics and gynecology] Alipov VI, et al. **Akush Ginekol (Mosk)** 1980 Jul;(7):3–6 (48 ref.) **(Rus)**

ETIOLOGY

Gastrointestinal hemorrhage in puerperium of pre-eclamptic patients who received glucocorticoid therapy. Semchyshyn S. **Am J Obstet Gynecol** 1981 Jan 15;139(2):217–8
Progressive systemic sclerosis and nephrotic syndrome. An unusual association resulting in postpartum acute renal failure. Palma A, et al. **Arch Intern Med** 1981 Mar; 141(4):520–1
Acute liver disease with encephalopathy and renal failure in late pregnancy and the early puerperium -- a study of fourteen patients. Davies MH, et al. **Br J Obstet Gynaecol** 1980 Nov;87(11):1005–14
Postoperative complications. Hibbard BM. **Clin Obstet Gynaecol** 1980 Dec;7(3):639–64 (22 ref.)
Obstetric neuropraxia in the Nigerian African. Bademosi O, et al. **Int J Gynaecol Obstet** 1980 May–Jun;17(6):611–4
A complication of a traditional puerperal practice in Nigeria. Ezem BU, et al. **Int J Gynaecol Obstet** 1980;18(5):383–4
Culturally induced postpartum depression: a theoretical position. Tentoni SC, et al. **JOGN Nurs** 1980 Jul–Aug; 9(4):246–9
Dissecting aneurysm during pregnancy and the puerperium. Konishi Y, et al. **Jpn Circ J** 1980 Sep;44(9):726–33
Fatal case of cytomegalovirus pneumonitis in a postpartum woman. Lipton SD, et al. **Obstet Gynecol** 1981 May; 57(5):670–3
Risk factors for febrile morbidity associated with cesarean section. Rehu M, et al. **Obstet Gynecol** 1980 Sep; 56(3):269–73
[Pregnancy, delivery, and puerperium of elderly primigravidae (author's transl)] Bley J, et al. **Zentralbl Gynaekol** 1981;103(10):557–63 (Eng. Abstr.) **(Ger)**
[Parametrial abscess and sepsis, following pudondus block (author's transl)] Wittig R. **Zentralbl Gynaekol** 1981; 103(10):583–5 **(Ger)**
[Idiopathic postpartum renal failure] Rutkowski B. **Pol Tyg Lek** 1980 Jun 23;35(25):955–6 (15 ref.) **(Pol)**
[Clinical characteristics of psychoses in the early puerperal period] Prorokova VK, et al. **Akush Ginekol (Mosk)** 1980 Jul;(7):40–1 **(Rus)**
[Pathogenesis of pyelonephritis in pregnant women and n puerperium] Pytel'IuA, et al. **Urol Nefrol (Mosk)** 1981 Jul–Aug;(4):47–54 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

[Relation between sex of the fetus and psychiatric pathology in the mother] Calandra C, et al. **Minerva Psichiatr** 1979 Jul–Sep;20(3):169–75 (Eng. Abstr.) **(Ita)**

HISTORY

[André Levret and 'milk fever'] Dumont M. **Nouv Presse Med** 1981 Mar 14;70(12):935–6 **(Fre)**

IMMUNOLOGY

[Detection of secretory IgA in urine of patients with urinary tract infection in pregnancy and puerperium (author's transl)] Briese V, et al. **Zentralbl Gynaekol** 1980; 102(18):1072–4 (Eng. Abstr.) **(Ger)**

METABOLISM

Postpartum lymphocytic thyroiditis in American women: a spectrum of thyroid dysfunction. Fein HG, et al. **Am J Obstet Gynecol** 1980 Nov 1;138(5):504–10

NURSING

Postpartum depression and mothers of infant twins. Leonard LG. **Matern Child Nurs J** 1981 Summer;10(2):99–109

OCCURRENCE

The effect of education, marital status and sexual behaviour on the incidence of puerperal endometritis and bacteriuria. Rehu M. **Ann Clin Res** 1980 Dec;12(6):315–9
Postpartum and postabortion psychotic reactions. David HP, et al. **Fam Plann Perspect** 1981 Mar–Apr;13(2):88–9,91–2
Stress incontinence during pregnancy and in puerperium. Iosif S. **Int J Gynaecol Obstet** 1981 Mar;19(1):13–20
The social and obstetric correlates of psychiatric admission in the puerperium. Kendell RE, et al. **Psychol Med** 1981 May;11(2):341–50

PATHOLOGY

Large solitary luteinized follicle cyst of pregnancy and puerperium: A clinicopathological analysis of eight cases. Clement PB, et al. **Am J Surg Pathol** 1980 Oct;4(5):431–8
Bilateral adrenal phaeochromocytoma with pregnancy. Shroff CP, et al. **Aust NZ J Obstet Gynaecol** 1980 Aug; 20(3):185–6
Massive postpartum corpus luteum cyst: a case report. Kott MM, et al. **Hum Pathol** 1981 May;12(5):468–70
[Accelerated nephroangiosclerosis in the post-partum period] Larcan A, et al. **J Urol Nephrol (Paris)** 1979 Dec; 85(12):831–40 **(Fre)**
[Clinical pathological analysis of peripartum maternal mortality (author's transl)] Pickel H, et al. **Wien Klin Wochenschr** 1981 May 29;93(11):342–8 (Eng. Abstr.) **(Ger)**
[Inversio uteri post partum (author's transl)] Lober R, et al. **Zentralbl Gynaekol** 1981;103(2):110–4 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Comparative urodynamic studies of continent and stress incontinent women in pregnancy and in the puerperium. Iosif S, et al. **Am J Obstet Gynecol** 1981 Jul 15; 140(6):645–50
Further light on the tyramine test in depression. Sandler M, et al. **Can J Neurol Sci** 1980 Aug;7(3):265–6
Post-delivery hemolytic-uremic syndrome. Bohle A. **Contrib Nephrol** 1981;25:157–8
The changing spectrum of acute renal failure in pregnancy and the post-partum period. Kincaid-Smith PS, et al. **Contrib Nephrol** 1981;25:159–65
Postpartum incontinence. Iosif S, et al. **Urol Int** 1981; 36(1):53–8

PREVENTION & CONTROL

[Prevention of infections after cesarean section] Haller H, et al. **Gynaekol Rundsch** 1980 Jun;20 Suppl 2:261–3 **(Ger)**
[Preventive use of heparin aerosol in a parturient with myasthenia gravis] Lazowski T, et al. **Ginekol Pol** 1980 Jun;51(6):563–5 (Eng. Abstr.) **(Pol)**

PSYCHOLOGY

The psychodynamics of transitory postpartum depressive reactions. Mayberger HW, et al. **J Asthma Res** 1980 Jan; 17(2):59–64
The pattern of mental change and body weight change in the first post-partum week. Stein GS. **J Psychosom Res** 1980;24(3–4):165–71
Psychiatric aspects of labour and the puerperium. Cheetham RW, et al. **S Afr Med J** 1980 Nov 15;58(20):814–6 (21 ref.)
[Puerperal psychoses] Jonquière-Wichmann M. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 128(1):105–49 (Eng. Abstr.) **(Fre)**
[Postpartum psychoses] Albretsen CS. **Tidsskr Nor Laegeforen** 1980 Apr 30;100(12):676–8 (Eng. Abstr.) **(Nor)**

RADIOGRAPHY

Spontaneous carotid-cavernous fistula during pregnancy or in the postpartum stage. Report of two cases. Toya S, et al. **J Neurosurg** 1981 Feb;54(2):252–6

THERAPY

Acute spontaneous puerperal inversion of the uterus. Skarra O, et al. **Acta Obstet Gynecol Scand** 1980;59(6):557–8
Acute puerperal inversion of the uterus. Maher PJ. **Br J Clin Pract** 1981 Mar;35(3):122–3
Cold sitz baths for relief of postpartum perineal pain. Droegemuller W. **Clin Obstet Gynecol** 1980 Dec; 23(4):1039–43 (12 ref.)

VETERINARY

'Metaphylaxis' in post-partum conditions in dairy cows with butaphosphone: a trial under South African conditions. Palmer CR. **J S Afr Vet Assoc** 1980 Dec;51(4):239–42
Ovine post-parturient hypomagnesaemic ketosis. Jopp AJ, et al. **NZ Vet J** 1981 Mar;29(3):37–8
A correlated biochemical and stereological study of periparturient fatty liver in the dairy cow. Collins RA, et al. **Res Vet Sci** 1980 May;28(3):373–6
Incidence and severity of fatty liver in dairy cows. Reid IM. **Vet Rec** 1980 Sep 20;107(12):281–4
Invagination of one uterus horn in an ALB/Jena inbred guinea pig. Güttner J. **Z Versuchstierkd** 1980;22(3):192–4
Studies on the effect of the amount of calcium in the prepartum diet on blood levels of calcium, magnesium, inorganic phosphorus, parathyroid hormone and hydroxyproline in milk fever prone cows. Jönsson G, et al. **Zentralbl Veterinaermed [A]** 1980 May;27(3):173–85
[Histometric studies of functional assessment of the parathyroid glands in healthy and sick cattle] Seffner W, et al. **Arch Exp Veterinaermed** 1979;33(6):809–18 (Eng. Abstr.) **(Ger)**

PUERPERAL INFECTION

Puerperal infections. Eschenbach DA, et al. **Clin Obstet Gynecol** 1980 Dec;23(4):1003–37 (126 ref.)
Neonatal rubella in a breast-fed infant after postpartum maternal infection. Klein EB, et al. **J Pediatr** 1980 Nov; 97(5):774–5

COMPLICATIONS

Tuberculous meningitis in a puerperal woman. Brandstetter RD, et al. **JAMA** 1980 Nov 28;244(21):2440

DIAGNOSIS

Diagnosis of pure and mixed anaerobic infections in obstetrics and gynecology. Lang N, et al. **Infection** 1980;8 Suppl 2:S201–2

DRUG THERAPY

Pelvic inflammatory disease and puerperal sepsis in Ethiopia. II. Treatment. Duncan ME, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 2):1059–63
Tuberculosis in association with pregnancy. Good JT Jr, et al. **Am J Obstet Gynecol** 1981 Jul 1;140(5):492–8
Antibiotic therapy for the Bacteroidaceae in post-cesarean section infections. Monif GR, et al. **Obstet Gynecol** 1981 Feb;57(2):177–81

ETIOLOGY

Puerperal febrile complications and cervical flora following elective manual exploration of the uterus. Berger E, et al. **Am J Obstet Gynecol** 1981 Feb 1;139(3):320–3
Group B streptococcus and puerperal sepsis. Faro S. **Am J Obstet Gynecol** 1980 Dec 15;138(8):1219–20
Group B beta-hemolytic streptococci and puerperal infections. Faro S. **Am J Obstet Gynecol** 1981 Mar 15; 139(6):686–9
Pelvic inflammatory disease and puerperal sepsis in Ethiopia. I. Etiology. Perine PL, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 2):969–73
Puerperal infectious morbidity: relationship to route of delivery and to antepartum Chlamydia trachomatis infection. Wager GP, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 2):1028–33
Puerperal endometritis and intrauterine fetal heart rate monitoring. Rehu M, et al. **Ann Clin Res** 1980 Aug; 12(4):133–5
Infection with Mycoplasma hominis in postpartum fever. Platt R, et al. **Lancet** 1980 Dec 6;2(8206):1217–21
Primary cesarean section: factors related to postpartum infection. Ott WJ. **Obstet Gynecol** 1981 Feb;57(2):171–6
Puerperal sepsis in Port Moresby, Papua New Guinea. Vacca A, et al. **Papua New Guinea Med J** 1980 Sep;23(3):120–5
[Relationship of endometritis to intra-uterine tocography (author's transl)] Thoulon JM, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(2):249–51 (Eng. Abstr.) **(Fre)**
[Effects of mechanical monitoring of patients in labour on fetal and maternal morbidity and on perinatal mortality (author's transl)] Gellén JJ, et al. **Zentralbl Gynaekol** 1981; 103(11):624–30 (Eng. Abstr.) **(Ger)**
[Obstetric manipulations including amnioscopy, amniotomy, and vaginal examination and duration of labour -- impact on maternal susceptibility to infection (author's transl)] Kouam K, et al. **Zentralbl Gynaekol** 1981;103(8):438–46 (Eng. Abstr.) **(Ger)**

HISTORY

SemmelWeis and his predecessors. Carter KC. **Med Hist** 1981 Jan;25(1):57–72

IMMUNOLOGY

[Quantitative T- and B-lymphocytes parameters in puerperal suppurative, inflammatory diseases] Kudaibergenov KK, et al. **Vopr Okhr Materin Det** 1980 Sep;25(9):61–4 (Eng. Abstr.) **(Rus)**

METABOLISM

[Body pharmacokinetics of methicillin, oxacillin and cephaloridine in puerperal mastitis] Kulakov VI, et al. **Antibiotiki** 1981 Feb;26(2):110–3 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Maternal and infantile infection with Chlamydia in a Swedish population. Persson K, et al. **Acta Paediatr Scand** 1981 Jan; 70(1):101–5
Mycoplasma and post partum fever [letter] Andrews HJ, et al. **Lancet** 1981 Jan 3;1(8210):43
[The role of anaerobic bacteria in the post-partum period: clinical significance and treatment (author's transl)] Lang N, et al. **Geburtshilfe Frauenheilkd** 1980 Aug;40(8):671–7 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Significant bacteriuria in the puerperium: a prospective study of the risk factors. Rehu M, et al. **Ann Clin Res** 1980 Jun; 12(3):112–5
Puerperal sepsis: epidemiologic study with bacteriologic examination. Part 1. Predisposing factors for puerperal infection. Nahid MK, et al. **J Egypt Public Health Assoc** 1979;54(5–6):331–44
Serious infections in obstetric and neonatal practice. Hurley R, et al. **J R Soc Med** 1980 Nov;73(11):770–5
[Experience in the use of IUDs and the risk of inflammatory genital diseases in inserting them in the early period after birth] Vikhliaeva EM, et al. **Akush Ginekol (Sofiia)** 1980; 19(5–6):486–92 **(Bul)**
[An epidemic of ulceronecrotizing enterocolitis in a maternity ward. Arguments in favor of its viral origin] Sureau C, et al. **Bull Acad Natl Med (Paris)** 1980 Mar;163(3):286–93 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Febrile morbidity following cefamandole nafate intrauterine irrigation during cesarean section. Rudd EG, et al.

Am J Obstet Gynecol 1981 Sep 1;141(1):12–6

Prophylactic antibiotics in Caesarean section: effect of a short preoperative course of benzyl penicillin or clindamycin plus gentamicin on postoperative infectious morbidity. Rehu M, et al. **Ann Clin Res** 1980 Apr;12(2):45–8

Antibiotic prophylaxis against infective endocarditis after normal delivery—is it necessary? Sugrue D, et al. **Br Heart J** 1980 Nov;44(5):499–502

Vaginal infection therapy after premature rupture of the membranes. Saling E, et al. **J Perinat Med** 1981;9 Suppl 1:41–3

Premature rupture of the membranes: maternal and neonatal infectious morbidity related to betamethasone and antibiotic therapy. Miller JM Jr, et al. **J Reprod Med** 1980 Oct; 25(4):173–7

Medical-legal aspects of perinatal and surgical infections. Iffy L, et al. **Leg Med** 1980;:149–85

Maternal infections. Problems and prevention. Friedman C. **Nurs Clin North Am** 1980 Dec;15(4):817–24

Prophylactic and antimicrobial therapy using lincomycin in patients undergoing emergency caesarean section. Moodley J, et al. **S Afr Med J** 1981 Jun 13;59(25):911–3

VETERINARY

[Radiotelemetric method of the early diagnosis of puerperal uterine inflammation] Kostov I. **Vet Med Nauki** 1980; 17(9–10):65–71 (Eng. Abstr.) **(Bul)**

PUERPERIUM

Neutrophil peroxidase activity in women during the perinatal period. Sułowicz W, et al. **Acta Haematol (Basel)** 1981; 65(2):122–4

Dosage of insulin during delivery and the immediate post-partum period in pregnant diabetics. Hanson U, et al. **Acta Obstet Gynecol Scand** 1981;60(2):183–6

Intrauterine growth: correlation of infant birth weight and maternal postpartum weight. Luke B, et al. **Am J Clin Nutr** 1980 Nov;33(11):2311–7

The course of inflammatory bowel disease during pregnancy and postpartum. Mogadam M, et al. **Am J Gastroenterol** 1981 Apr;75(4):265–9

Unexplained fever in the postpartum period [clinical conference] **Am J Med** 1980 Sep;69(3):443–50

Correlation of postpartum intravenous pyelograms with clinical localization of antepartum pyelonephritis. Harris RE. **Am J Obstet Gynecol** 1981 Sep 1;141(1):105–6

Anterior spinal artery syndrome during the postpartum period [letter] Dunn DW, et al. **Arch Neurol** 1981 Apr; 38(4):263

Pituitary responsiveness to LH-RH in post-partum ewes treated with oestradiol-17 beta and failing to show a plasma LH surge. Wright PJ, et al. **Aust J Biol Sci** 1980 Aug; 33(4):465–9

Infant feeding practices and lactation diets amongst Vietnamese immigrants. Mathews M, et al. **Aust Paediatr J** 1980 Dec;16(4):263–6

Seasonal variation in plasma cortisol concentration during pregnancy and the puerperium. Baker JM, et al. **Biochem Soc Trans** 1980 Oct;8(5):587–8

Postpartum estrus in Norway rats. II. Physiology. Connor JR, et al. **Biol Reprod** 1980 Dec;23(5):1000–6

Postpartum estrus in Norway rats. I. Behavior. Connor JR, et al. **Biol Reprod** 1980 Dec;23(5):994–9

Reinitiation of the diurnal rhythm of prolactin secretion in postpartum rhesus monkeys. Williams RF, et al. **Biol Reprod** 1980 Sep;23(2):276–80

Normal pregnancy in a patient with a prior postpartum factor VIII inhibitor: with observations on pathogenesis and prognosis. Coller BS, et al. **Blood** 1981 Sep;58(3):619–24

Methodological considerations in the evaluation of analgesic combinations: acetaminophen (paracetamol) and hydrocodone in postpartum pain. Beaver WT, et al. **Br J Clin Pharmacol** 1980 Oct;10 Suppl 2:215S–223S

Plasma prolactin and puerperal blood pressure. Jenkins DM, et al. **Br J Obstet Gynaecol** 1980 Jul;87(7):597–9

Puerperal haematological indices. Taylor DJ, et al. **Br J Obstet Gynaecol** 1981 Jun;88(6):601–6

Thromboxane A2 in pregnancy and puerperium. Ylikorkala O, et al. **Br Med J** 1980 Dec 13;281(6255):1601–2

Atypical milk progesterone profiles in two post-partum dairy cows. Watson ED, et al. **Br Vet J** 1981 Mar-Apr; 137(2):188–91

Oestrogen-gonadotrophin feedback mechanisms in the puerperium. Glass MR, et al. **Clin Endocrinol (Oxf)** 1981 Mar;14(3):257–67

HGH behaviour at term of pregnancy and during puerperium. Reitano S, et al. **Clin Exp Obstet Gynecol** 1980; 7(1):17–24

Hormone profile of T3, T4 at the end of pregnancy and during puerperium. Reitano S, et al. **Clin Exp Obstet Gynecol** 1980;7(1):37–43

The puerperium. **Clin Obstet Gynecol** 1980 Dec; 23(4):971–1142

Family planning in the postpartum period. Fuller WE. **Clin Obstet Gynecol** 1980 Dec;23(4):1081–6 (22 ref.)

The postpartum period: after confinement: the fourth trimester. Jennings B, et al. **Clin Obstet Gynecol** 1980 Dec; 23(4):1093–103 (28 ref.)

The puerperium: anatomic and physiologic readjustments. Monheit AG, et al. **Clin Obstet Gynecol** 1980 Dec; 23(4):973–84 (72 ref.)

Serum protein binding of salicylate during pregnancy and the puerperium. Lovecchio JL, et al. **Dev Pharmacol Ther** 1981;2(3):172–9

Studies on blood coagulation and fibrinolysis in pregnancy, during delivery and in the puerperium. I. Normal condition. Hellgren M, et al. **Gynecol Obstet Invest** 1981;12(3):141–54

Hemodynamics in the lower limbs of healthy women and women with chronic venous insufficiency. Korzhova VV, et al. **Hum Physiol** 1979 Nov-Dec;5(5):822–9

Serum progesterone in women with lactational amenorrhoea. Joshi UM, et al. **Indian J Med Res** 1980 Oct;72:508–11

Feedback effect of estradiol on follicle-stimulating hormone and prolactin secretion during the puerperium. Canales ES, et al. **Int J Gynaecol Obstet** 1981 Mar;19(1):79–81

Immediate postpartum insertion of a sutured Lippes Loop. Kamal I, et al. **Int J Gynaecol Obstet** 1980 Jul-Aug; 18(1):26–30

Changes in alcohol consumption after childbirth. Davidson S, et al. **J Adv Nurs** 1981 May;6(3):195–8

Spontaneous shedding of pseudorabies virus from a clinically recovered postparturient sow. Davies EB, et al. **J Am Vet Med Assoc** 1980 Jun 15;176(12):1345–7

Postpartum reproductive function of daity cows as influenced by energy and phosphorus status. Carstairs JA, et al. **J Anim Sci** 1980 Nov;51(5):1122–30

Cortisol and luteinizing hormone after adrenocorticotropic hormone administration to postpartum beef cows. Dunlap SE, et al. **J Anim Sci** 1981 Mar;52(3):587–93

Effect of gonadotropin dose and postpartum status on induced ovulation and pregnancy in lactating sows. Hodson HH Jr, et al. **J Anim Sci** 1981 Apr;52(4):688–95

Suckling effect on estrus and blood plasma progesterone in postpartum beef cows. LaVoie V, et al. **J Anim Sci** 1981 Apr;52(4):802–12

Insulin binding in human pregnancy: comparisons to the postpartum, luteal, and follicular states. Moore P, et al. **J Clin Endocrinol Metab** 1981 May;52(5):937–41

Postpartum recurrence of hyperthyroidism and changes of thyroid-stimulating immunoglobulins in Graves' disease. Yabu Y, et al. **J Clin Endocrinol Metab** 1980 Dec; 51(6):1454–8

Glomerular dynamics and morphologic changes in the generalized Shwartzman reaction in postpartum rats. Conger JD, et al. **J Clin Invest** 1981 May;67(5):1334–46

Attitudes and perceptions of perinatal concepts during pregnancy in women from three cultures. Harris R, et al. **J Clin Psychol** 1981 Jul;37(3):477–83

Postpartum ovarian function of dairy cows in a tropical environment. Sharpe PH, et al. **J Dairy Sci** 1981 Apr; 64(4):672–7

Colostral immunoglobulin concentration in two fractions of first milking postpartum and five additional milkings. Stott GH, et al. **J Dairy Sci** 1981 Mar;64(3):459–65

Postpartum thyroiditis. Shahady EJ, et al. **J Fam Pract** 1980 Dec;11(7):1049–52

Some endocrine changes associated with the post-partum period of the suckling beef cow. Rawlings NC, et al. **J Reprod Fertil** 1980 Nov;60(2):301–8

Pituitary responsiveness to LH-RH, the occurrence of oestradiol- 17 beta-induced LH-positive feedback and the resumption of oestrous cycles in ewes post partum. Wright PJ, et al. **J Reprod Fertil** 1980 Sep;60(1):171–6

Sequential changes in placental blood gases and pH during the hour following delivery. Hilger JS, et al. **J Reprod Med** 1981 Jun;26(6):305–7

The micromorphological development of the post partum corpus luteum in the ewe. Botha HK, et al. **J S Afr Vet Assoc** 1980 Sep;51(3):173–7

Breast-feeding and post partum amenorrhoea in Central Africa. 2. Prolactin and post partum amenorrhoea. Delvoye P, et al. **J Trop Pediatr** 1980 Oct;26(5):184–9

Breast-feeding and post partum amenorrhoea in Central Africa. 1. Milk production in rural areas. Hennart P, et al. **J Trop Pediatr** 1980 Oct;26(5):177–83

Involution of the postpartum uterus: an ultrasonic study. VanRees D, et al. **JCU** 1981 Feb;9(2):55–7

Postpartum education: a pilot study of pediatric and maternal perceptions. Greenberg LW, et al. **JDBP** 1981 Jun; 2(2):44–8

Sexual needs and interests of postpartum couples. Hames CT. **JOGN Nurs** 1980 Sep-Oct;9(5):313–5

Postpartum sexuality. Inglis T. **JOGN Nurs** 1980 Sep-Oct; 9(5):298–300

Assessing postpartum adjustment. A pilot study. Sheehan F. **JOGN Nurs** 1981 Jan-Feb;10(1):19–22

Changing the definition of maternal mortality: a new look at the postpartum interval [letter] Rochat RW, et al. **Lancet** 1981 Apr 11;1(8224):831

Maternal-child nursing journal. Grubb CA. **Matern Child Nurs J** 1980 Winter;9(4):225–31

Ovarian function in women immediately post partum. Acar B, et al. **Obstet Gynecol** 1981 Apr;57(4):468–72

Abnormal prolactin levels and pituitary-gonadal axis in the puerperium. Andersen AN, et al. **Obstet Gynecol** 1981 Jun; 57(6):725–9

Glycohemoglobin in postpartum women. Widness JA, et al. **Obstet Gynecol** 1981 Apr;57(4):414–21

Relactation by mothers of sick and premature infants. Bose CL, et al. **Pediatrics** 1981 Apr;67(4):565–9

The metabolic activity of bovine adipocytes before and after parturition. Pike BV, et al. **Res Vet Sci** 1980 Jul; 29(1):108–10

Pressure-volume characteristics of lungs of rats during pregnancy and postpartum. Faridy EE. **Respir Physiol** 1981 Jan;43(1):43–58

Early discharge from maternity units in Cape Town. Power DJ, et al. **S Afr Med J** 1980 Nov 29;58(22):893–5

Traditional concepts and customs on pregnancy, birth and post partum period in rural Korea. Sich D. **Soc Sci Med [Med Anthropol]** 1981 Jan;15B(1):65–9

Timing of postpartum hematocrit determinations. Nelson GH, et al. **South Med J** 1980 Sep;73(9):1201–4

Postpartum amenorrhea in Turkey. Fişek NH, et al. **Stud Fam Plann** 1981 Jan;12(1):40–3

Characteristics of postpartum reproduction in mares. Loy RG. **Vet Clin North Am [Large Anim Pract]** 1980 Nov; 2(2):345–9

Involution abnormalities in the postpartum uterus of the bitch. Al-Bassam MA, et al. **Vet Pathol** 1981 Mar; 18(2):208–18

Milk progesterone profiles and the double injection of cloprostenol in post partum beef cows. Peters AR, et al. **Vet Rec** 1980 Aug 23;107(8):174–7

Involvement of smooth muscle cells in collagen degradation in the postpartum uterus. Jurukova Z, et al. **Virchows Arch [Cell Pathol]** 1981;37(2):237–44

[Antithrombin III during pregnancy and puerperium (author's transl) (letter)] Torner C, et al. **Nouv Presse Med** 1979 Jan 6;8(1):46 (Eng. Abstr.) **(Fre)**

[Changes in antibody titre after rubella vaccination in primarily rubella-sera positive parturient women. Demonstration of antigen-specific (rubella) and non-specific stimulated antibody titres (author's transl)] Doerr HW, et al. **Dtsch Med Wochenschr** 1980 Sep 19; 105(38):1316–20 (Eng. Abstr.) **(Ger)**

[Audio-visual information on the post-partum ward (author's transl)] von Ritter S, et al. **Geburtshilfe Frauenheilkd** 1980 Dec;40(12):1083–6 (Eng. Abstr.) **(Ger)**

[Pathobiochemistry of minerals and trace elements. I. Metabolism of zinc in the mother and newborn during the perinatal period (author's transl)] Anastasiadis P, et al. **Monatsschr Kinderheilkd** 1981 May;129(5):287–92 (Eng. Abstr.) **(Ger)**

[Bacteriological findings in the genital tract of cows during the puerperium. I. Spectrum of germs, relationship to the course of parturition and expulsion of afterbirth] Luginbühl A, et al. **Schweiz Arch Tierheilkd** 1980 Aug;122(8):427–34 (Eng. Abstr.) **(Ger)**

[Bacteriological findings in the genital tract of cows during the puerperium. III. The course of bacterial colonization; effect of intrauterine treatment on uterine flora] Luginbühl A, et al. **Schweiz Arch Tierheilkd** 1981 Jan;123(1):13–8 (Eng. Abstr.) **(Ger)**

[Systolic times adjustment during pregnancy and puerperium (author's transl)] Cellina G, et al. **G Ital Cardiol** 1981; 11(1):63–7 (Eng. Abstr.) **(Ita)**

[Sexuality and maternity. Biological and psychodynamic considerations] Capello C, et al. **Minerva Ginecol** 1981 May; 33(5):469–78 (Eng. Abstr.) **(Ita)**

[Determination of zinc protoporphyrins in pregnancy and the puerperium] Ferrari S, et al. **Minerva Ginecol** 1981 Apr; 33(4):313–4 (Eng. Abstr.) **(Ita)**

[Antithrombin activity during pregnancy] Ferrari S, et al. **Minerva Ginecol** 1981 May;33(5):433–6 (Eng. Abstr.) **(Ita)**

[Early insertion of the IUD soon after childbirth] Wajntraub G, et al. **Minerva Ginecol** 1981 Apr;33(4):351–4 (Eng. Abstr.) **(Ita)**

[Bromocriptine and puerperal fertility] Grella P, et al. **Riv Ital Ginecol** 1980;59(2–3):223–31 (Eng. Abstr.) **(Ita)**

[Relationship between the onset of labor and prostaglandins in rabbit tissues before and after delivery (author's transl)] Makimura N, et al. **Acta Obstet Gynaecol Jpn** 1981 Mar; 33(3):377–83 (Eng. Abstr.) **(Jpn)**

[Pathophysiology of the hemodynamics in the pregnant and parturient women with regard to the blood fluidity and coagulatory properties (author's transl)] Imai N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Sep; 32(9):1194–203 **(Jpn)**

[Studies on the secretory mode of prolactin during pregnancy and puerperium (author's transl)] Morikawa H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Sep; 32(9):1266–80 **(Jpn)**

[The dynamics and its clinical significance of complement system, especially alternative pathway related to normal human pregnancy, delivery, puerperium and fetus (author's transl)] Ohhashi T. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Jan;32(1):27–36 (Eng. Abstr.) **(Jpn)**

[Activity of blood serum creatine phosphokinase (CPK) and its isoenzymes in early puerperium] Kochański L, et al. **Ginekol Pol** 1980 May;51(5):429–32 (Eng. Abstr.) **(Pol)**

[Trypsin inhibitor in the perinatal period in the blood serum of mothers and newborn infants and in meconium] Lisowska-Myjak B, et al. **Pediatr Pol** 1980 Aug;55(8):913–8 (Eng. Abstr.) **(Pol)**

[Prognosis of breast cancer associated with pregnancy or lactation] da Silva Neto JB, et al. **AMB** 1981 Jan; 27(1):21–22 (Eng. Abstr.) **(Por)**

[Dynamics of hematologic and ferrokinetic indices in healthy pregnant women, puerperants, and their newborn infants] Kovaleva LA. **Ter Arkh** 1980;52(9):56–9 **(Rus)**

[Stomach ulcer perforation in the early puerperal period] Gaistruk VV, et al. **Vestn Khir** 1980 Aug;125(8):81 **(Rus)**

[Human uterine contractility during normal puerperium (author's transl)] Romero-Salinas G, et al. **Reproduccion** 1980 Oct-Dec;4(4):341-8 (Eng. Abstr.) **(Spa)**

[Effect of D-(-)-norgestrel on uterine contractility in the puerperium (author's transl)] Romero-Salinas G, et al. **Reproduccion** 1981 Jan-Mar;5(1):19-29 (Eng. Abstr.) **(Spa)**

[Ferritin values in sera from children, adults, and normal puerperant women (author's transl)] Romero García F, et al. **Sangre (Barc)** 1980;25(3):339-46 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Ovarian response to gonadotropin-releasing hormone in postpartum dairy cows. Garverick HA, et al. **Am J Vet Res** 1980 Oct;41(10):1582-5

Norethisterone enanthate as an injectable contraceptive in puerperal and non-puerperal women. Melis GB, et al. **Contraception** 1981 Jan;23(1):77-88

Decrease in human plasma prolactin levels by oral prostaglandin E2 in early puerperium. Caminiti F, et al. **J Endocrinol** 1980 Dec;87(3):333-7

Short-term relationships between plasma LH, FSH and progesterone concentrations in post-partum dairy cows and the effect of Gn-RH injection. Foster JP, et al. **J Reprod Fertil** 1980 Jul;59(2):321-7

[Control of puerperium in swine under conditions of extremely shortened nursing method. 1. Results of histological studies in postpartum involution and regeneration of the uterus under conditions of extremely shortened nursing period and medicamentous control of puerperium] Rummer HJ, et al. **Arch Exp Veterinaermed** 1980;34(4):515-26 (Eng. Abstr.) **(Ger)**

PUERTO RICANS see **HISPANIC AMERICANS**

PULLULANASE see under **GLYCOSIDE HYDROLASES**

PULMONARY ADENOMATOSIS, BOVINE see **PNEUMONIA, ATYPICAL INTERSTITIAL, OF CATTLE**

PULMONARY ADENOMATOSIS, OVINE

DIAGNOSIS

Pulmonary adenomatosis (jaagsiekte) in sheep in Canada [letter] Stevenson RG, et al. **Can Vet J** 1980 Sep; 21(9):267-8

METABOLISM

Presence of Herpesvirus ovis DNA sequences in cellular DNA from sheep lungs affected with jaagsiekte (pulmonary adenomatosis). De Villiers EM, et al. **Onderstepoort J Vet Res** 1980 Jun;47(2):109-12

TRANSMISSION

On the aetiology of Jaagsiekte. Verwoerd DW, et al. **J S Afr Vet Assoc** 1980 Jun;51(2):71-4

Aetiology of jaagsiekte: experimental transmission to lambs by means of cultured cells and cell homogenates. Verwoerd DW, et al. **Onderstepoort J Vet Res** 1980 Mar;47(1):13-8

Aetiology of jaagsiekte: transmission by means of subcellular fractions and evidence for the involvement of a retrovirus. Verwoerd DW, et al. **Onderstepoort J Vet Res** 1980 Dec; 47(4):275-80

PULMONARY ALVEOLAR PROTEINOSIS

Alveolar proteinosis; atypical pulmonary response to injury. Smith FB. **NY State J Med** 1980 Aug;80(9):1372-80 (86 ref.)

COMPLICATIONS

Association of pulmonary alveolar lipoproteinosis with mycobacterial infection. Reyes JM, et al. **Am J Clin Pathol** 1980 Oct;74(4):478-85

Pulmonary alveolar proteinosis: an uncommon cause of chronic neonatal respiratory distress. Coleman M, et al. **Am Rev Respir Dis** 1980 Mar;121(3):583-6

DIAGNOSIS

[Alveolar proteinosis. Report of 7 cases (author's transl)] Lavandier M, et al. **Rev Fr Mal Respir** 1980;8(4):265-75 (Eng. Abstr.) **(Fre)**

[Pulmonary alveolar proteinosis as a form of disseminated lung disease] Kazak TI, et al. **Probl Tuberk** 1981 Feb; (2):47-50 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Hyaluronidase activity in alveolar secretions of human lung. Sahu SC. **Biochem Med** 1981 Feb;25(1):56-61

Extracellular alkaline phosphatase from alveolar secretions of patients with pulmonary alveolar proteinosis. Nadeau D, et al. **Can J Biochem** 1981 Apr;59(4):290-300

ETIOLOGY

Pulmonary alveolar proteinosis complicating chronic myelogenous leukemia. Green D, et al. **Cancer** 1980 Oct 15;46(8):1763-6

FAMILIAL & GENETIC

Pulmonary alveolar proteinosis in two siblings with decreased immunoglobulin A. Webster JR Jr, et al. **Am J Med** 1980 Nov;69(5):786-9

IMMUNOLOGY

Alveolar proteinosis as a consequence of immunosuppression. A hypothesis based on clinical and pathologic observations. Bedrossian CW, et al. **Hum Pathol** 1980 Sep;11(5 Suppl):527-35

The immunoinhibitory activities of the lung lavage materials and sera from patients with pulmonary alveolar proteinosis (PAP). Stratton JA, et al. **J Clin Lab Immunol** 1981 Mar; 5(2):81-6

METABOLISM

Characterization of the collagen- and non-collagen-like regions present in a glycoprotein isolated from alveoli of patients with alveolar proteinosis. Bhattacharyya SN, et al. **Biochim Biophys Acta** 1980 Oct 21;625(2):343-55

PATHOLOGY

Clinicopathological Conference. Thirty-six year old Caucasian male with dyspnea and a bilateral pulmonary infiltrate. Honke R, et al. **SD J Med** 1980 Nov;33(11):7-11

[Pulmonary alveolar proteinosis. Anatomoclinical study of 3 cases followed throughout their evolution] Dini S, et al. **Arch De Vecchi Anat Patol** 1979 Mar;63(3):585-608 (76 ref.) **(Ita)**

[Clinical anatomical characteristics of pulmonary alveolar proteinosis] Kovalenko VL, et al. **Klin Med (Mosk)** 1980 Dec;58(12):59-62 (Eng. Abstr.) **(Rus)**

[Case of alveolar proteinosis] Shevchenko BI, et al. **Ter Arkh** 1981;53(3):129-31 **(Rus)**

PHYSIOPATHOLOGY

The effect of intraalveolar fluid on lung bacterial clearance. Harris GD, et al. **Lung** 1980;158(2):91-100

THERAPY

Management of pulmonary alveolar proteinosis [clinical conference] Smith LJ, et al. **Chest** 1980 Nov;78(5):765-70

PULMONARY ALVEOLI

N-N-dimethylformamide concentration in environmental and alveolar air in an artificial leather factory. Brugnone F, et al. **Br J Ind Med** 1980 May;37(2):185-8

Fibrosing alveolitis and chronic airflow limitation [letter] Thurlbeck WM. **Chest** 1981 May;79(5):614-5

Cryptogenic fibrosing alveolitis: response to corticosteroid treatment and its effect on survival. Turner-Warwick M, et al. **Thorax** 1980 Aug;35(8):593-9

[Diffuse fibrosing alveolitis] Koichev K, et al. **Vutr Boles** 1980;19(4):1-8 (43 ref.) **(Bul)**

[Pulmonary alveolar microlithiasis: a rare familial inheritance with report of three cases in a family (author's transl)] Zheng BY. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1979;2(2):103-5 **(Chi)**

[Reaction of the interior lobes of the lung to the inhalation of mineral fibers] Bignon J, et al. **C R Soc Biol (Paris)** 1980;174(4):479-87 (Eng. Abstr.) **(Fre)**

[Alveolar cancer (author's transl)] Lamy P, et al. **Poumon Coeur** 1980;36(2):97-109 (Eng. Abstr.) **(Fre)**

[Alveolar microlithiasis] Andriukin AA, et al. **Sov Med** 1980; (6):110-2 **(Rus)**

[Pulmonary alveolar microlithiasis. I. 2 new cases in siblings] Moreno-Camacho A, et al. **Rev Clin Esp** 1981 Feb 28; 160(4):275-7 **(Spa)**

ABNORMALITIES

Polyalveolar lobe: anatomic and physiologic parameters and their relationship to congenital lobar emphysema. Tapper D, et al. **J Pediatr Surg** 1980 Dec;15(6):931-7

ANALYSIS

Cytoplasmic hyaline in the lung [letter] Mancini AM, et al. **Hum Pathol** 1981 Feb;12(2):196-7

X-ray micro-analytical studies of alveolar macrophages(AM) from expectorate samples as part of a test of effect of occupational particulate air pollution. Gullvåg BM, et al. **Scan Electron Microsc** 1980;(3):339-48

Elemental content in alveolar septa in various pneumoconioses. Siegesmund KA, et al. **Scan Electron Microsc** 1980;(Pt 2):485-91

[Pneumoconiosis due to amorphous silica smoke. Mineralogical and ultrastructural study of 6 cases (author's transl)] Brambilla C, et al. **Rev Fr Mal Respir** 1980; 8(5):383-91 **(Fre)**

[Passage of inert suspensions from the amniotic cavity to the bronchial and alveolar cavities of rabbit and Macacus rhesus fetuses] Garzetti GG, et al. **Chir Patol Sper** 1979 Oct;27(5):435-43 (Eng. Abstr.) **(Ita)**

ANATOMY & HISTOLOGY

Connective tissue arrangement in respiratory airways. Young CD, et al. **Anat Rec** 1980 Oct;198(2):245-54

Effect of alveolar wall shape on alveolar water stability [letter] Wilson TA. **J Appl Physiol** 1981 Jan;50(1):222-4

CYTOLOGY

Cell content in repetitive canine bronchoalveolar lavage. Pinsker KL, et al. **Acta Cytol (Baltimore)** 1980 Nov-Dec; 24(6):558-63

A study of the origin of pulmonary macrophages using the Chédiak-Higashi marker. Johnson KJ, et al. **Am J Pathol** 1980 Nov;101(2):365-74

Bronchoalveolar washing cells and immunoglobulins of clinically normal calves. Wilkie BN, et al. **Am J Vet Res** 1981 Feb;42(2):241-3

Organotypic culture of fetal rat lung: evaluation and comparison with organ culture. Gross I, et al. **Am Rev Respir Dis** 1981 Mar;123(3):313-9

Production of opsonins that facilitate phagocytosis of Streptococcus pneumoniae by human alveolar macrophages or neutrophils after vaccination with pneumococcal polysaccharide. Hof DG, et al. **Am Rev Respir Dis** 1981 Aug;124(2):193-5

Isolation and properties of type II alveolar cells from rat lung. Mason RJ, et al. **Am Rev Respir Dis** 1977 Jun; 115(6):1015-26

Accessory cell function of rabbit alveolar macrophages. Schuyler MR, et al. **Am Rev Respir Dis** 1981 Jan; 123(1):53-7

The effect of experimental acid aspiration on alveolar macrophage function in rabbits. Shellito J, et al. **Am Rev Respir Dis** 1980 Oct;122(4):551-60

Secretion of alpha 1-proteinase inhibitor by cultured rat alveolar macrophages. White R, et al. **Am Rev Respir Dis** 1981 Apr;123(4 Pt 1):447-9

Lung development and the pulmonary surfactant system: hormonal influences. Hitchcock KR. **Anat Rec** 1980 Sep; 198(1):13-34 (386 ref.)

Early pulmotoxic effects of oxygen on the rat alveolar type II epithelial cell. Heino ME, et al. **Aviat Space Environ Med** 1981 May;52(5):294-8

Protein synthesis in pulmonary alveolar macrophages. Source of amino acids for leucyl-tRNA. Airhart J, et al. **Biochim Biophys Acta** 1981 Mar 26;653(1):108-17

Fatty acid secretion and metabolism in 'activated' rabbit alveolar macrophages. Freeman BA, et al. **Biochim Biophys Acta** 1980 Dec 5;620(3):528-37

Localization and partial purification of a neutral-active phospholipase A2 from BCG-induced rabbit alveolar macrophages. Lanni C, et al. **Biochim Biophys Acta** 1981 Mar 13;658(1):54-63

In vitro toxicity of oxygen and oxygen-paraquat association on alveolar macrophages surviving in gas phase. Aerts C, et al. **Bull Eur Physiopathol Respir** 1981;17 Suppl:145-51

Comparison of phagocytosis of uncoated versus coated asbestos fibers by cultured human pulmonary alveolar macrophages. McLemore TL, et al. **Chest** 1981 Jul;80(1 Suppl):39-42

Lung mechanics and a simultaneous comparison of alveolar, pleural and peritoneal phagocytic cells lavaged from fasted infection-free oxygen toxic rats. Smith RM, et al. **Chest** 1981 Jul;80(1 Suppl):15-8

Interaction of pulmonary surfactant and alveolar macrophages in the non-specific defence system of the lung. Robertson B. **Eur J Respir Dis [Suppl]** 1980;61 Suppl 108:16-8

Primary culture of rat alveolar type II Cells on floating collagen membranes. Morphological and biochemical observations. Geppert EF, et al. **Exp Cell Res** 1980 Aug; 128(2):363-74

Canine surface active material and pulmonary lymphocyte function. Studies with mixed-lymphocyte culture. Ansfield MJ, et al. **Exp Lung Res** 1980 Mar;1(1):3-11

Low level chemiluminescence of alveolar macrophages: spectral evidence for singlet oxygen generation. Cadenas E, et al. **FEBS Lett** 1981 Jan 26;123(2):225-8

Studies of lysosomal enzymes in macrophages. I. Comparison of lysosomal enzyme activities in mouse peritoneal and pulmonary macrophages. Katoh M. **Hiroshima J Med Sci** 1980 Sep;29(3):117-23

Interactions between murine alveolar macrophages and Mycoplasma pulmonis in vitro. Davis JK, et al. **Infect Immun** 1980 Aug;29(2):590-9

Cell proliferation in the mammalian lung. Kauffman SL. **Int Rev Exp Pathol** 1980;22:131-91 (287 ref.)

The influence of hypoxia on the population density of alveolar macrophages in the lungs of rats. Richards F, et al. **Invest Cell Pathol** 1980 Oct-Dec;3(4):409-13

Rat lung surfactant kinetics biochemical and morphometric correlation. Young SL, et al. **J Appl Physiol** 1981 Aug; 51(2):248-53

Origin and kinetics of pulmonary macrophages during an inflammatory reaction induced by intravenous administration of heat-killed bacillus Calmette-Guérin. Blussé van Oud Alblas A, et al. **J Exp Med** 1981 Aug 1;154(2):235-52

111Indium-labeled human alveolar macrophages and monocytes: function and ultrastructure. Davis HH 2d, et

al. **J Immunol Methods** 1980;36(2):99–107
Ultrasonic effects on alveolar macrophages in suspension. Leake ES, et al. **JCU** 1980 Dec;8(6):465–72
Isolated type II cells from fetal lung as model in studies on the synthesis and secretion of pulmonary surfactant. Batenburg JJ. **Lung** 1980;158(4):177–92 (97 ref.)
Cellular and humoral components of bronchoalveolar lavage in the sheep. Rola-Pleszczynski M, et al. **Lung** 1981; 159(2):91–9
The fibroblast of human lung alveolar structures: a differentiated cell with a major role in lung structure and function. Bradley KH, et al. **Methods Cell Biol** 1980; 21A:37–64 (99 ref.)
Maintenance of human and rat pulmonary type II cells in an organotypic culture system. Douglas WH, et al. **Methods Cell Biol** 1980;21A:79–94
Studies on bronchoalveolar cells in human diseases. II. General morphology and ultrastructure of pulmonary macrophages and small mononuclear cells in sarcoidosis. Lenzini L, et al. **Respiration** 1980;40(2):81–93
Morphological studies of cultured human pulmonary macrophages. Finch GL, et al. **Scan Electron Microsc** 1980; (3):315–26
[Study of pulmonary lymphocyte populations obtained by alveolar lavage] Venet A, et al. **Ann Anesthesiol Fr** 1980; 21(6):634–8 (Eng. Abstr.) **(Fre)**
[Contribution to the study of the phagocytosing ability of broncho-alveolar macrophages in smokers and non-smokers (author's transl)] Kleisbauer JP, et al. **Respiration** 1980;40(2):94–100 (Eng. Abstr.) **(Fre)**
[Phagocytosis mechanisms of alveolar macrophages and granulocytes (author's transl)] Rister M. **Blut** 1980 Oct; 41(4):257–67 **(Ger)**
[Lung macrophages (review of the literature)] Erokhin VV, et al. **Probl Tuberk** 1980 Nov;(11):54–60 (58 ref.) (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

The effect of beta-aminopropionitrile on lung development in the rat. Das RM. **Am J Pathol** 1980 Dec;101(3):711–22
Correlation of lung compliance and quantities of surfactant phospholipids after acute alveolar injury from N-nitroso-N-methylurethane in the dog. Ryan SF, et al. **Am Rev Respir Dis** 1981 Feb;123(2):200–4
Influence of methylprednisolone on mouse alveolar type 2 cell response to acute lung injury. Smith LJ, et al. **Am Rev Respir Dis** 1981 Apr;123(4 Pt 1):459–64
Effects of kaolinite on amino acid transport and incorporation into protein by rabbit pulmonary alveolar macrophages. Low RB, et al. **Arch Environ Health** 1980 Jul–Aug; 35(4):217–23
The action of humidified gas on the pulmonary lining layer. Ultrastructural observations after administration of pure oxygen and of various mixtures of oxygen and carbon dioxide. Baratta L, et al. **Boll Soc Ital Biol Sper** 1979 Oct 15;55(19):1993–8
Asbestos stimulates alveolar macrophages to release a factor causing human lung fibroblasts to replicate. Bitterman P, et al. **Chest** 1981 Jul;80(1 Suppl):38–9
Alveolar macrophage stimulation and population changes in silica-exposed rats. Davis GS, et al. **Chest** 1981 Jul;80(1 Suppl):8–10
The effects of dietary antioxidants on NO2- induced injury to type 1 alveolar cells. Evans MJ, et al. **Chest** 1981 Jul; 80(1 Suppl):5–8
Carbon monoxide effect on alveolar epithelial permeability. Fein A, et al. **Chest** 1980 Nov;78(5):726–31
Pulmonary microvascular and alveolar epithelial permeability characteristics in N-nitroso-N-methylurethane-injected dogs. Glauser FL, et al. **Chest** 1981 Feb;79(2):217–21
Alveolo-capillary permeability in human septic ARDS. Effect of high-dose corticosteroid therapy. Sibbald WJ, et al. **Chest** 1981 Feb;79(2):133–42
Chemical modulation of alveolar epithelial permeability. Gatzy JT, et al. **Environ Health Perspect** 1980 Apr;35:13–20
Effects of nickel dust on rabbit alveolar epithelium. Johansson A, et al. **Environ Res** 1980 Aug;22(2):510–6
Morphology and function of alveolar macrophages after long-term nickel exposure. Johansson A, et al. **Environ Res** 1980 Oct;23(1):170–80
Evidence of a quartz-induced chemotactic factor for guinea pig alveolar macrophages. Miller K, et al. **Environ Res** 1980 Jun;22(1):31–9
Alveolar surfactant in lungs of operated patients after acetylcysteine treatment. Mereto GC, et al. **Eur J Respir Dis [Suppl]** 1980;61(111):160–1
Di-(2-ethylhexyl) phthalate enhances the release of lysosomal enzymes from alveolar macrophages during phagocytosis. Bally MB, et al. **Toxicology** 1980;18(1):49–60
Drug-induced lipidosis and the alveolar macrophage. Reasor MJ. **Toxicology** 1981;20(1):1–33 (172 ref.)
[Fibre interaction with red blood cells or alveolar macrophages 'in vitro' (author's transl)] Jaurand MC, et al. **Rev Fr Mal Respir** 1979 Dec;7(7):717–22 (Eng. Abstr.) **(Fre)**
[Double blind study of the effect of alveolar air distribution influenced by RG 033 in chronic bronchitis] Dal Negro R, et al. **Rev Inst Hyg Mines (Hasselt)** 1979;34(3):134–40 (Eng. Abstr.) **(Fre)**
[Postbronchographic cytological findings in lung (author's transl)] Palowski H, et al. **Z Erkr Atmungsorgane** 1979 Jun; 153(3):367–71 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

Effects of cadmium on the prenatal ultrastructural maturation of rat alveolar epithelium. Daston GP. **Teratology** 1981 Feb; 23(1):75–84

ENZYMOLOGY

Hyaluronidase activity in alveolar secretions of human lung. Sahu SC. **Biochem Med** 1981 Feb;25(1):56–61
Relationship between the number of asbestos fibres and the cellular and enzymatic content of bronchoalveolar fluid in asbestos exposed subjects. Jaurand MC, et al. **Bull Eur Physiopathol Respir** 1980 Sep–Oct;16(5):595–606
Extracellular alkaline phosphatase from alveolar secretions of patients with pulmonary alveolar proteinosis. Nadeau D, et al. **Can J Biochem** 1981 Apr;59(4):290–300
Alveolar macrophage secrets. Pierce JA, et al. **J Lab Clin Med** 1981 Apr;97(4):463–6
Pulmonary alveolar macrophage lysosomal enzyme activity after sublethal rotational trauma. Starling JR, et al. **J Surg Res** 1981 Aug;31(2):128–35
[Effect of trypsin on the cell surface : influence on the lysosomal exocytosis of alveolar macrophages of the guinea pig] Sablonnière B, et al. **C R Acad Sci [D] (Paris)** 1981 Feb 23;292(8):561–4 (Eng. Abstr.) **(Fre)**
[Biochemical studies of lysosomal and cytoplasmic enzymes in alveolar macrophages of the rat lung as affected by varying sulfur dioxide concentrations] Merkurjewa RW, et al. **Z Gesamte Hyg** 1980;26(1):34–6 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Quantitation and stability of the fifth component of complement (C5) in bronchoalveolar lavage fluids obtained from non-human primates. Kolb WP, et al. **Am Rev Respir Dis** 1981 Feb;123(2):226–31
Quantitation of carcinoembryonic antigen in the lung lining fluid of normal smokers and nonsmokers. Merrill WW, et al. **Am Rev Respir Dis** 1981 Jan;123(1):29–31
Heterogeneity of rat peritoneal and alveolar macrophage populations: characterization of their surface antigens by antisera. Thomas MA, et al. **Br J Exp Pathol** 1981 Feb; 62(1):65–73
Alveolar macrophages. V. Comparative studies on the antigen presentation activity of guinea-pig and rat alveolar macrophages. Holt PG, et al. **Immunology** 1980 Oct; 41(2):361–6
Human alveolar macrophages: effects of endotoxin in vitro. Davis WB, et al. **Infect Immun** 1980 Dec;30(3):753–8
Microbicidal cationic proteins of rabbit alveolar macrophages: amino acid composition and functional attributes. Patterson-Delafield J, et al. **Infect Immun** 1981 Feb;31(2):723–31
Experimental anti-alveolar basement membrane antibody-mediated pneumonitis. I. The role of increased permeability of the alveolar capillary wall induced by oxygen. Jennings L, et al. **J Immunol** 1981 Jul;127(1):129–34
The role of subcellular factors in pulmonary immune function: physicochemical characterization of two distinct species of lymphocyte-activating factor produced by rabbit alveolar macrophages. Simon PL, et al. **J Immunol** 1981 Apr;126(4):1534–41
Release of mediators from free bronchoalveolar cells: effect of ionophore A23187 and antigen challenge. Sirois P. **J Immunopharmacol** 1980;2(4):543–51
Fc and C3 receptors of swine alveolar macrophages. Charley B, et al. **Res Vet Sci** 1980 May;28(3):380–1
Complement and opsonins in alveolar secretions and serum of rats with pneumonia due to Streptococcus pneumoniae. Coonrod JD, et al. **Rev Infect Dis** 1981 Mar–Apr; 3(2):310–22
[The alveolar macrophage and its anti-infectious function (author's transl)] Demoulin A, et al. **Pathol Biol (Paris)** 1980 Feb;28(2):117–25 (Eng. Abstr.) **(Fre)**
[Immunoglobulins in broncho-alveolar lavage in a normal subject and in respiratory pathology (author's transl)] Biot N, et al. **Poumon Coeur** 1980;36(4):263–9 (Eng. Abstr.) **(Fre)**
[Analysis of cellular and protein content of broncho-alveolar lavage fluid from patients with sarcoidosis (author's transl)] Nakano I, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Aug;18(8):513–9 (Eng. Abstr.) **(Jpn)**

INNERVATION

Innervation of alveolar walls in the human lung: an electron microscopic study. Fox B, et al. **J Anat** 1980 Dec;131(Pt 4):683–92

METABOLISM

Membrane-bound glycoprotein in the alveolar cells of the caprine lung. Atwal OS, et al. **Am J Anat** 1980 Nov; 159(3):275–83
An ultrastructural study of alveolar permeability to cytochrome C in the rabbit lung: effect of exposure to 100% oxygen at one atmosphere. Nickerson PA, et al. **Am J Pathol** 1981 Jan;102(1):1–9
Comparison of serotonin uptake from the alveolar and capillary spaces of isolated rat lung. Fisher AB, et al. **Am Rev Respir Dis** 1981 Jan;123(1):74–8
Minimum alveolar concentrations and oil/gas partition coefficients of four anesthetic isomers. Koblin DD, et al. **Anesthesiology** 1981 Apr;54(4):314–7
Alveolar macrophages and pulmonary surfactant of altitude-raised rats. Hegde KS, et al. **Aviat Space Environ Med** 1980 Jul;51(7):700–3
Xenobiotic metabolism by alveolar type II cells isolated from rabbit lung. Devereux TR, et al. **Biochem Pharmacol** 1981 Jun 1;30(11):1231–7
Chlorphentermine-induced phospholipidosis in rat alveolar macrophages—luminol-dependent chemiluminescence. Reasor MJ. **Biochem Pharmacol** 1981 Jan 15;30(2):165–8
Characterization of the collagen- and non-collagen-like regions present in a glycoprotein isolated from alveoli of patients with alveolar proteinosis. Bhattacharyya SN, et al. **Biochim Biophys Acta** 1980 Oct 21;625(2):343–55
Changes in the amount of lung and airway phosphatidylcholine in 0.5–12.5-day-old rabbits. Jobe A, et al. **Biochim Biophys Acta** 1981 Apr 23;664(1):182–7
Proteases and antiproteases in bronchoalveolar lavage. Hayem A, et al. **Bull Eur Physiopathol Respir** 1980;16 Suppl:247–60
Patterns of benzo[alpha]pyrene metabolism in normal human pulmonary alveolar macrophages. Marshall MV, et al. **Cancer Lett** 1979 Dec;8(2):103–9
Stimulation of oxidant production in alveolar macrophages by pollutant and latex particles. Hatch GE, et al. **Environ Res** 1980 Oct;23(1):121–36
Dust elimination from pulmonary alveoli. Holt PF. **Environ Res** 1980 Oct;23(1):224–7
Transport of water and solutes across bullfrog alveolar epithelium. Crandall ED, et al. **J Appl Physiol** 1981 Jun; 50(6):1263–71
Effects of 100% O2 breathing on permeability of alveolar epithelium to solute. Matalon S, et al. **J Appl Physiol** 1981 Apr;50(4):859–63
Human bronchoalveolar lavage cells and luminol-dependent chemiluminescence. Williams AJ, et al. **J Clin Pathol** 1981 Feb;34(2):167–71
The cellular and molecular basis of pulmonary alveolar stability. Massaro D. **J Lab Clin Med** 1981 Aug; 98(2):155–65
Analysis of dynamic change in phrenic nerve activity following a sudden decrease in alveolar carbon dioxide. Natsui T, et al. **Jpn J Physiol** 1980;30(3):333–44
Decreased superoxide anion radical production by rat alveolar macrophages following inhalation of ozone or nitrogen dioxide. Amoruso MA, et al. **Life Sci** 1981 May 18;28(20):2215–21
Alveolar-arterial PCO2 differences and diffusion limitation. Mertens P. **Lung** 1981;159(2):101–8
A high-molecular-weight alveolar glycoprotein in the cell-free culture medium of human fetal lung type II pneumocytes. Sahu SC, et al. **Lung** 1980;158(3):143–50
Reflex effects on human breathing of breath-by-breath changes of the time profile of alveolar PCO2 during steady hypoxia. Metias EF, et al. **Pfluegers Arch** 1981 Mar; 389(3):243–50
Pulmonary alveolar epithelial permeability in surgically induced hemorrhagic pancreatitis in dogs. Falls R, et al. **Respiration** 1980;40(4):213–7
Cumene hydroperoxide-mediated lipid peroxidation in rat alveolar macrophages following induction of phospholipidosis with chlorphentermine. Reasor MJ. **Toxicology** 1980;18(2):159–68
[Antimycobacterial mechanisms of activated alveolar macrophages (author's transl)] Ando M, et al. **Kekkaku** 1980 Nov;55(11):497–9 **(Jpn)**
[Diagnostic bronchoalveolar lavage and the study of the lipid fractions of the alveolar content in tuberculosis] Filippov VP, et al. **Probl Tuberk** 1981 Apr;(4):54–7 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Intravascular and sclerosing bronchio-alveolar tumor. Ferrer-Roca O. **Am J Surg Pathol** 1980 Aug;4(4):375–81
Emphysema associated with intravascular leukocyte sequestration [letter] Snider GL. **Am Rev Respir Dis** 1981 Aug;124(2):204–5
Subendothelial electron-dense deposits in pulmonary alveolar wall in pulmonary actinomycosis. Yoneda K. **Am Rev Respir Dis** 1981 Jun;123(6):686
Clinical evaluation of bronchopulmonary lavage using the flexible fiberoptic bronchoscope. Garvey J, et al. **Ann Thorac Surg** 1980 Nov;30(5):427–32
Pneumocystis infection masquerading as diffuse alveolar damage: a potential source of diagnostic error. Askin FB, et al. **Chest** 1981 Apr;79(4):420–2
Desquamative interstitial pneumonitis. The intra-alveolar cells are macrophages [letter] Singh G, et al. **Chest** 1981 Jan;79(1):128
Congealed amniotic fluid in the alveoli of lungs of aborted foals. Simpson CF, et al. **Equine Vet J** 1981 Apr; 13(2):109–11
Pulmonary blue bodies. Koss MN, et al. **Hum Pathol** 1981 Mar;12(3):258–66
The in vivo effects of glass fibres on alveolar macrophage membrane characteristics. Miller K. **IARC Sci Publ** 1980; 1(30):459–65
Pulmonary alveolar microlithiasis. Chang AR. **Pathology** 1980 Apr;12(2):164–7, 282–3
Use of backscattered electron imaging to quantify the distribution of inhaled crystalline silica. Brody AR, et al. **Scan Electron Microsc** 1980;(3):301–6

Effects of Diesel engine exhaust on pulmonary alveolar macrophages. Chen S, et al. **Scan Electron Microsc** 1980; (3):327–38

Bronchoalveolar lavage fluid cell counts in cryptogenic fibrosing alveolitis and their relation to therapy. Haslam PL, et al. **Thorax** 1980 May;35(5):328–39

Pathogenesis and host response in subcutaneous alveolar hydatidosis. I. Histogenesis of alveolar cyst and a qualitative analysis of the inflammatory infiltrates. Ali-Khan Z, et al. **Z Parasitenkd** 1980;62(3):241–54

[Alveolar microlithiasis: electron microscopy and immunofluorescence study of a pulmonary biopsy (author's transl)] Adnet JJ, et al. **Arch Anat Cytol Pathol** 1981; 29(2):105–8 (Eng. Abstr.) **(Fre)**

[Pulmonary edema and hyaline membranes] Aliperta A, et al. **Bronchopneumologie** 1980 Mar–Apr;30(2):159–62 **(Fre)**

[Tobacco and alveolar macrophages] Cordeiro R. **Bronchopneumologie** 1980 Sep–Oct;30(5):392, 395–403 **(Fre)**

[Diagnosis and monitoring of interstitial lung diseases with special regard to the analysis of cardiopulmonary function] Zwick H. **Wien Med Wochenschr** 1980 Jun 30;130(12):440–7 (25 ref.) **(Ger)**

[Alveolar macrophages in some chronic bronchopneumopathies] Marcatili S, et al. **Arch Monaldi** 1978 Sep–Dec;33(5–6):331–41 (Eng. Abstr.) **(Ita)**

[Parenchymal morphology after oxygenated alveolar lavage (L.A.O.) with liquid fluorocarbons] Spinelli E, et al. **Boll Soc Ital Biol Sper** 1980 Nov 15;56(21):2159–65 (Eng. Abstr.) **(Ita)**

[Alveolar septal changes in idiopathic pulmonary fibrosis (author's transl)] Honma Y, et al. **Hokkaido Igaku Zasshi** 1980 Mar;55(2):105–18 (Eng. Abstr.) **(Jpn)**

[Function of alveolar macrophages in inflamed lungs and evidence for the alveolar macrophage activating factors in lung lavage fluids (author's transl)] Ando M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Jun; 18(6):387–93 (Eng. Abstr.) **(Jpn)**

[Case of alveolar microlithiasis] Sinopal'nikov AI, et al. **Ter Arkh** 1981;53(3):127–8 **(Rus)**

[Fibrosing alveolitis and respiratory insufficiency] Cano-Valle F, et al. **Gac Med Mex** 1980 Aug;116(8):365–70 **(Spa)**

PHYSIOLOGY

Absence of stellate ganglion influence on alveolar–duct constriction. Crittenden DJ, et al. **Am Rev Respir Dis** 1980 Mar;121(3):603–5

Correlated effects of cigarette smoke components on alveolar macrophage adenosine triphosphatase activity and phagocytosis. Low ES, et al. **Am Rev Respir Dis** 1977 Jun; 115(6):963–70

A comparative study of the mechanical properties in aging alveolar wall. Martin CJ, et al. **Am Rev Respir Dis** 1977 Jun;115(6):981–8

Response of a phagocyte cell system to products of macrophage breakdown as a probable mechanism of alveolar phagocytosis adaptation to deposition of particles of different cytotoxicity. Privalova LI, et al. **Environ Health Perspect** 1980 Apr;35:205–18 (76 ref.)

Phagocytosis by alveolar cells studied by electron microscopy and microanalysis: comparison of two types of particles. Berry JP, et al. **Environ Res** 1980 Dec; 23(2):247–56

Alveolar clearance. Camner P. **Eur J Respir Dis [Suppl]** 1980; 61 Suppl 107:59–72

Effect of high concentrations of oxygen on reparative regeneration of damaged alveolar epithelium in mice. Hackney JD, et al. **Exp Mol Pathol** 1981 Jun;34(3):338–44

Uniformity of alveolar ventilation and its assessment in newborn infants. Yaroslavskii VK. **Hum Physiol** 1979 Sep–Oct;5(5):630–3

Sequential analysis of the bronchoalveolar milieu in conscious sheep. Bégin R, et al. **J Appl Physiol** 1981 Mar;50(3):665–71

Asymmetric distribution of carbonic anhydrase in the alveolar–capillary barrier. Effros RM, et al. **J Appl Physiol** 1981 Jul;51(1):190–3

Response of alveolar epithelial solute permeability to changes in lung inflation. Egan EA. **J Appl Physiol** 1980 Dec; 49(6):1032–6

Finite element analysis of lung alveolus. Dale PJ, et al. **J Biomech** 1980;13(10):865–73

The sloping alveolar plateau at synchronous ventilation. Luijendijk SC, et al. **Pfluegers Arch** 1980 Apr;384(3):267–77

Analysis of alveolar PCO2 control during the menstrual cycle. Takano N, et al. **Pfluegers Arch** 1981 Apr; 390(1):56–62

SEM studies on the in vivo uptake of Aspergillus terreus spores by alveolar macrophages. Green FH, et al. **Scan Electron Microsc** 1980;(3):307–14

[Measurement of P(A–a)O2 and its clinical significance (author's transl)] **Chung Hua Nei Ko Tsa Chih** 1980; 19(2):118–21 **(Chi)**

PHYSIOPATHOLOGY

Ambiguous response of lung lamellar bodies to sauna-like heat stress in two age groups of adult male rats. Heino ME. **Aviat Space Environ Med** 1980 Jun;51(6):542–3

Symposium – Versailles, April 23–24, 1979: Alveolar hypoventilation. **Bull Eur Physiopathol Respir** 1979;15 Suppl:1–293 **(Eng, Mul)**

Prolonged alveolar hypoventilation in patients with lung disease. Cherniack NS, et al. **Bull Eur Physiopathol Respir** 1979;15 Suppl:31–44 (49 ref.)

Alveolar hypoventilation and respiratory muscle weakness. Davis JN, et al. **Bull Eur Physiopathol Respir** 1979;15 Suppl:45–53

Clinical significance of pulmonary function tests. Pulmonary function testing in interstitial pulmonary disease. What does it tell us? Keogh BA, et al. **Chest** 1980 Dec;78(6):856–65

Bronchopulmonary lavage in alveolar microlithiasis. Palombini BC, et al. **Chest** 1981 Aug;80(2):242–3

Long-term development of pulmonary hypertension in cryptogenic fibrosing alveolitis. Fučík J, et al. **Cor Vasa** 1980;22(4):245–50

Nonhomogeneous alveolar pressure swings in the presence of airway closure. Brown R, et al. **J Appl Physiol** 1980 Sep;49(3):398–402

Stability of alveolar hypoxic vasoconstriction with intermittent hypoxia. Miller MA, et al. **J Appl Physiol** 1980 Nov;49(5):846–50

[Regional alveolar hypoventilation induced by alveolar hypocapnia (author's transl)] Even P, et al. **Bull Eur Physiopathol Respir** 1979;15 Suppl:145–67 (Eng. Abstr.) **(Fre)**

[Influence of sequential breath-holding on the slope of phase III (author's transl)] Bélanger J, et al. **Bull Physiopathol Respir (Nancy)** 1981 Jan–Feb;17(1):65–74 (Eng. Abstr.) **(Fre)**

[Alveolo-capillary diffusion capacity for carbon monoxide in mitral stenosis] Facchin L, et al. **Minerva Cardioangiol** 1980 Jun;28(6):429–36 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

[Pulmonary alveolar microlithiasis--report of two cases (author's transl)] Ehsani H, et al. **Roentgenblaetter** 1981 Feb;34(2):51–4 (Eng. Abstr.) **(Ger)**

[Unilateral alveolar effusions (author's transl)] Vidal B, et al. **Radiol Med (Torino)** 1979 Dec;65(12):885–9 (Eng. Abstr.) **(Ita)**

RADIONUCLIDE IMAGING

Evaluation of alveolar amplitude response technique for determination of lung perfusion in exercise. Luijendijk SC, et al. **J Appl Physiol** 1981 May;50(5):1071–8

SECRETION

Release of platelet-activating factor (PAF-acether) from alveolar macrophages by the calcium ionophore A23187 and phagocytosis. Arnoux B, et al. **Eur J Clin Invest** 1980 Dec;10(6):437–41

Adrenergic and cholinergic regulation of lung surfactant secretion in the isolated perfused rat lung and in the alveolar type II cell in culture. Brown LA, et al. **J Biol Chem** 1981 Jan 10;256(1):66–72

[Effect of colchicine on secretion of alveolar surfactant in intact and regenerating rat lungs] Romanova LK. **Biull Eksp Biol Med** 1980 JUL;89(7):21–5 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Ultrastructure of the lung alveoli as revealed by freeze-etching technique. Wrzołek M, et al. **Acta Histochem [Suppl] (Jena)** 1981;23:253–62

Ultrastructural aspects of functional integrity of lung surfactant and alveolar mononuclear phagocytes. Groniowski J, et al. **Acta Med Pol** 1980;21(4):335–7

Silver staining in fine structural studies of connective tissue of pulmonary interalveolar septa. Groniowski J, et al. **Acta Med Pol** 1980;21(4):331–3

The blood-air barrier studied with the freeze-fracturing technique. Wrzołek M, et al. **Acta Med Pol** 1980; 21(4):411–2

Diffuse alveolar septal amyloidosis in generalised amyloidosis. Tsubura A, et al. **Acta Pathol Jpn** 1980 Jul; 30(4):613–9

Ultrastructural changes in type I and type II alveolar epithelial cells in isolated perfused dog lungs after production of moderate and severe hydrostatic edema. DeFouw DO. **Am J Anat** 1980 Jul;158(3):355–64

Carcinoma of type II pneumocytes: immunodiagnosis of a subtype of 'bronchioloalveolar carcinomas'. Singh G, et al. **Am J Pathol** 1981 Feb;102(2):195–208

Communicating-occluding junction complexes in the alveolar epithelium. A freeze-fracture study. Bartels H, et al. **Am Rev Respir Dis** 1980 Jun;121(6):1017–24

Alterations in stress distributions around interalveolar pores after exposure to papain in dogs. Sanderson RJ, et al. **Am Rev Respir Dis** 1981 Mar;123(3):327–32

Response of normal and beige mouse alveolar type 2 cells to lung injury. Smith LJ, et al. **Am Rev Respir Dis** 1980 Dec;122(6):947–57

Quantitative cellular and subcellular changes in the rat type II pneumocyte during early postnatal development. Vidić B, et al. **Am Rev Respir Dis** 1981 Aug;124(2):174–8

Isolation of lung lamellar bodies and their conversion to tubular myelin figures in vitro. Sanders RL, et al. **Anat Rec** 1980 Nov;198(3):485–501

The ultrastructural histochemistry and stereoscanning electron microscopy of the rodent and amphibian surfactant systems. Stratton CJ, et al. **Anat Rec** 1980 May;197(1):49–61

The stereoscanning electron microscopy and ultrastructural histochemistry of the avian and reptilian surfactant systems: Indian dove, desert spiny and Taiwan golden skink lizards. Wetzstein HY, et al. **Anat Rec** 1980 May;197(1):63–73

A new method for the study of lining-layer and pulmonary alveolar walls with electron microscope. Marcello F, et al. **Biochem Exp Biol** 1979;15(4):383–7

Ultrastructural organization of the alveolar–capillary unit. Simionescu M. **Ciba Found Symp** 1980;(78):11–36

Multilamellar bodies in alveolar septal cells. Kalina M, et al. **Exp Lung Res** 1980 Aug;1(3):201–9

Effects of 60Co radiation on the rabbit lung surfactant system. Bellet-Barthas M, et al. **Int J Radiat Oncol Biol Phys** 1980 Sep;6(9):1169–77

The lung after trauma and shock--fine structure of the alveolar–capillary barrier in 23 autopsies. Pietra GG, et al. **J Trauma** 1981 Jun;21(6):454–62

Effects of cadmium on the prenatal ultrastructural maturation of rat alveolar epithelium. Daston GP. **Teratology** 1981 Feb; 23(1):75–84

Distribution and ultrastructural characteristics of Feyrter cells in the rat and hamster airway epithelium. Edmondson NA, et al. **Thorax** 1980 May;35(5):371–4

A new cytoplasmic bar-like structure seen in type II alveolar cells of rat lungs. Shimura S, et al. **Tohoku J Exp Med** 1980 Aug;131(4):409–10

Are alveolar macrophages translocated to the lymph nodes? Johansson A, et al. **Toxicology** 1980;15(3):157–62

[Tracheobronchial pulmonary tree: ultrastructure, physiology and pathology (author's transl)] Sun BT. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1980 Sep;3(3):182–7 **(Chi)**

[Fine surface structure of the alveolar region. Part I: normal human alveoli (author's transl)] Yang SC, et al. **Taiwan I Hsueh Hui Tsa Chih** 1980 Nov;79(11):1011–7 (Eng. Abstr.) **(Chi)**

[Type III pneumocyte. The alveolar brush-border cell in rat lung. Study by transmission electron microscopy (author's transl)] Foliguet B, et al. **Poumon Coeur** 1980;36(2):149–53 (Eng. Abstr.) **(Fre)**

[Ultrastructural studies of the alveolar epithelium of reptiles living in different habitats] Welsch U, et al. **Z Mikrosk Anat Forsch** 1980;94(3):479–503 (Eng. Abstr.) **(Ger)**

[Experimental observation of the ultrastructure of the alveolar epithelium, particularly type II cells, in mycobacterial infection (author's transl)] Kanai K, et al. **Kekkaku** 1980 May;55(5):241–5 (Eng. Abstr.) **(Jpn)**

[An ultrastructural study on pathologic alterations and early response to infection due to Klebsiella pneumoniae in the lungs of mice exposed to nitrogen dioxide (author's transl)] Katoh O. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Jul; 18(7):435–46 (Eng. Abstr.) **(Jpn)**

PULMONARY ARTERY

Retrograde cannulation of a persistent superior vena cava [letter] Sprague DH, et al. **Anesthesiology** 1980 Sep; 53(3):268

Surgical treatment of anomalous origin of the left coronary artery from the pulmonary artery associated with tetralogy of Fallot. Akasaka T, et al. **Ann Thorac Surg** 1981 May; 31(5):469–74

Rupture of pulmonary artery aneurysm associated with persistent ductus arteriosus. Coleman M, et al. **Br Heart J** 1980 Oct;44(4):464–8

Cystic thymoma simulating pulmonary stenosis. Soorae AS, et al. **Br J Dis Chest** 1980 Apr;74(2):193–7

Superior vena cava obstruction: complication of pulmonary artery ectasia in levo-transposition of the great arteries. Crowley DC, et al. **Cardiovasc Intervent Radiol** 1981 Feb; 4(1):27–9

Major pulmonary artery stenosis causing pulmonary hypertension in sarcoidosis. Damuth TE, et al. **Chest** 1980 Dec;78(6):888–91

Carcinoma of the lung causing pulmonary arterial stenosis. Waller BF, et al. **Chest** 1981 May;79(5):589–91

Internal mammary artery-to-pulmonary artery fistulas. Case report and review of the literature. Hearne SF, et al. **Circulation** 1980 Nov;62(5):1131–5

Fatal neonatal thrombosis associated with a pulmonary arterial catheter. Pokora TJ, et al. **Crit Care Med** 1981 Aug; 9(8):618–9

Complications of the flow-directed pulmonary artery catheter: A prospective analysis in 219 patients. Sise MJ, et al. **Crit Care Med** 1981 Apr;9(4):315–8

Complications of pulmonary artery catheterization of obstetric patients. Rafferty TD, et al. **Int J Gynaecol Obstet** 1980 Sep–Oct;18(2):133–5

Experimental pulmonary arteritis. Hicken P, et al. **Invest Radiol** 1980 Jul–Aug;15(4):299–307

Infection of pulmonary artery catheters in critically ill patients. Michel L, et al. **JAMA** 1981 Mar 13; 245(10):1032–6

Dynamic computed tomography in the evaluation of vascular lung lesions. Godwin JD, et al. **Radiology** 1981 Mar; 138(3):629–35

Detection of experimentally produced acute pulmonary arterial occlusion by methyl iodide-131 inhalation imaging. Grossman ZD, et al. **Radiology** 1981 Aug;140(2):499–503

Unusual survival after pulmonary artery sarcoma. Fer MF, et al. **South Med J** 1981 May;74(5):624–6

Ehlers–Danlos syndrome. Pearl W, et al. **South Med J** 1981 Jan;74(1):80–1

Dissecting aneurysm of the pulmonary artery. Lüchtrath H. **Virchows Arch [Pathol Anat]** 1981;391(2):241–7

[X-ray diagnosis of pulmonary arteriovenous fistula (author's transl)] Guo DW. **Chung Hua Fang She Hsueh Tsa Chih** 1980 Nov; 14(4):259–61 **(Chi)**

[Arteriovenous fistula of the lung in children and the relationship with hereditary hemorrhagic telangiectasis] Hess J, et al. **Ned Tijdschr Geneeskd** 1980 Nov 8; 124(45):1909–14 (Eng. Abstr.) **(Dut)**

[Pulmonary artery catheterization. Advantages of internal jugular route. 75 cases (author's transl)] Zerr C, et al. **Anesth Analg (Paris)** 1981;38(1–2):15–9 (Eng. Abstr.) **(Fre)**

[A case of Hughes–Stovin's syndrome revealing the presence of Behçet's disease (author's transl)] Grenier P, et al. **Ann Radiol (Paris)** 1980 Sep–Oct;23(6):509–12 (Eng. Abstr.) **(Fre)**

[Broncho–arterial fistula of tuberculosis origin (letter)] Gonnot G, et al. **Nouv Presse Med** 1979 Jan 13;8(2):127 **(Fre)**

[Hemodynamics of pulmonary circulation during pulmonary resection (author's transl)] Heindl W, et al. **Wien Med Wochenschr** 1980 Jun 30;130(12):407–13 (Eng. Abstr.) **(Ger)**

[Late results after Rastelli correction in transposition of the great arteries (author's transl)] Rupprath G, et al. **Z Kardiol** 1980 Jul;69(7):515–9 (Eng. Abstr.) **(Ger)**

[The 'steal' syndrome and the development of pulmonary arterio–venous shunt after Glenn and/or Fontan operations (author's transl)] Weber H, et al. **Z Kardiol** 1981 Jan; 70(1):66–72 (Eng. Abstr.) **(Ger)**

[Role of histamine in the genesis of hypoxic pulmonary vasoconstriction: study with disodium cromoglycate] Rengo F, et al. **Boll Soc Ital Cardiol** 1978;23(9):1505–14 **(Ita)**

[A case report of multiple small arteriovenous fistulas of the lung associated with juvenile hepatic cirrhosis (author's transl)] Ishihara H, et al. **Kokyu To Junkan** 1980 Sep; 28(9):1063–8 (Eng. Abstr.) **(Jpn)**

[Problems of the operation of heart disease combined with arteriovenous fistula (PAVF) (author's transl)] Nojiri C, et al. **Kyobu Geka** 1981 Apr;34(4):284–8 (Eng. Abstr.) **(Jpn)**

[Pulmonary arteriovenous fistula: report of two cases (author's transl)] Ohno T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1980 Jul;28(7):1178–84 (Eng. Abstr.) **(Jpn)**

[Nonsurgical technic for removal of a fragmented catheter from the pulmonary artery (author's transl)] Tanaka M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1980 Aug; 28(8):1310–5 (Eng. Abstr.) **(Jpn)**

[What is it? Pulmonary arteriovenous malformations] Flejsierowicz Z, et al. **Pol Przegl Radiol** 1980;44(4):315–7 **(Pol)**

[Microcatheterization of the pulmonary artery] Bagdat'ev VE, et al. **Grudn Khir** 1981 Jan–Feb;(1):36–7 **(Rus)**

[Diagnosis of bronchopulmonary shunts by the indicator dilution method in lung diseases] Volynskiĭ IuD, et al. **Klin Med (Mosk)** 1981;59(4):28–31 (Eng. Abstr.) **(Rus)**

[Usefulness of apex cardiography in the diagnosis of pulmonary artery stenosis and in the evaluation of myocardial function before and after surgery] Zatikian EP. **Ter Arkh** 1980;52(12):47–9 (Eng. Abstr.) **(Rus)**

[Mechanisms of formation of intravascular rheoplethysmograms in the pulmonary artery system] Petrash VV, et al. **Vestn Khir** 1981 Jun;126(6):6–10 **(Rus)**

[Dissecting aneurysm of the pulmonary artery] Rozenberg VD. **Vrach Delo** 1981;(4):91–2 **(Rus)**

.ABNORMALITIES

Anomalous left pulmonary artery: two new adult cases. Stone DN, et al. **AJR** 1980 Dec;135(6):1259–63

Anomalous left pulmonary venous drainage to the inferior vena cava and through the pericardiophrenic vein to the innominate vein:left–sided scimitar syndrome. Mardini MK, et al. **Am Heart J** 1981 Jun;101(6):860–3

Management of symptomatic infants with anomalous origin of the left coronary artery from the pulmonary artery. Driscoll DJ, et al. **Am J Cardiol** 1981 Mar;47(3):642–8

Anomalous origin of the right coronary artery from the pulmonary artery. Salomon J, et al. **Am J Med Sci** 1981 May–Jun;281(3):152–6

Unilateral hyperlucent lung. Non–invasive diagnosis of pulmonary artery agenesis. Grum CM, et al. **Angiology** 1981 Mar;32(3):194–207

Thoracopulmonary hypogenesis with systemic artery–pulmonary vessel fistulae: report of a case. Chiu RC, et al. **Ann Thorac Surg** 1981 Apr;31(4):360–3

Tetralogy of Fallot with coexisting type II aortopulmonary window. Crawford FA Jr, et al. **Ann Thorac Surg** 1981 Jan;31(1):78–81

Interrupted aortic arch [letter] Wright J. **Ann Thorac Surg** 1981 Jan;31(1):98

Bile acid metabolism in mild arteriohepatic dysplasia. Collins DM, et al. **Aust NZ J Med** 1981 Feb;11(1):48–51

Truncus arteriosus communis with possible absence of the right pulmonary artery. Singham KT. **Australas Radiol** 1980 Jul;24(2):125–8

Single origin of right and left pulmonary arteries from ascending aorta, with main pulmonary artery from right ventricle. Beitzke A, et al. **Br Heart J** 1980 Mar;43(3):363–5

Pulmonary atresia with ventricular septal defect and major aortopulmonary collateral arteries. Effect of systemic pulmonary anastomosis. Haworth SG, et al. **Br Heart J** 1981 Feb;45(2):133–41

Two–dimensional echocardiographic diagnosis of aorticopulmonary window. Satomi G, et al. **Br Heart J** 1980 Mar;43(3):351–6

Developmental bronchopulmonary disease in adults: practical clinical considerations. Delarue NC, et al. **Can J Surg** 1981 Jan;24(1):23–9, 31

Anomalous origin of the left coronary artery from the pulmonary artery: a case report with remarkable improvement of myocardial function following subclavian artery–coronary artery anastomosis. Yoshida Y, et al. **Cathet Cardiovasc Diagn** 1980;6(3):293–303

Anomalous origin of the left coronary artery: angiographic and myocardial perfusion scintigraphic correlates. Young MW, et al. **Chest** 1981 Apr;79(4):473–5

Vascular ring due to left aortic arch and right descending aorta. Berman W Jr, et al. **Circulation** 1981 Feb; 63(2):458–60

Two–dimensional echocardiographic visualization of the left coronary artery in anomalous origin of the left coronary artery from the pulmonary artery. Pre– and postoperative studies. Fisher EA, et al. **Circulation** 1981 Mar; 63(3):698–704

Subclavian––left coronary artery anastomosis (Meyer operation) for anomalous origin of the left coronary artery from the pulmonary artery. Stephenson LW, et al. **Circulation** 1981 Aug;64(2 Pt 2):130–3

Congenital pulmonary arteriovenous aneurysm. Sty JR, et al. **Clin Nucl Med** 1981 Feb;6(2):86–8

Arterial connections of the lung: the inaugural Keith Jefferson Lecture. Rees S. **Clin Radiol** 1981 Jan;32(1):1–15 (89 ref.)

Hypoplastic intrapulmonary vascular system with multiple peripheral stenosis of the pulmonary artery. Jurko A, et al. **Cor Vasa** 1981;23(3):202–8

Tricuspid atresia, transposition of the great arteries, and banded pulmonary artery. Repair by arterial switch, coronary artery reimplantation, and right atrioventricular valved conduit. Freedom RM, et al. **J Thorac Cardiovasc Surg** 1980 Oct;80(4):621–8

Anomalous origin of the left coronary artery from the pulmonary trunk [letter] Luisi VS, et al. **J Thorac Cardiovasc Surg** 1981 Feb;81(2):316–7

Orthoterminally corrective operation in the presence of severe hypoplasia of a pulmonary artery. Sade RM, et al. **J Thorac Cardiovasc Surg** 1980 Sep;80(3):424–6

Growth in coronary–subclavian anastomoses. Long–term clinical confirmation after treatment of anomalous left main coronary artery. Sanderson CJ, et al. **J Thorac Cardiovasc Surg** 1981 Aug;82(2):293–6

Wire coil embolization of systemic–pulmonary artery collaterals following surgical correction of pulmonary atresia. Szarnicki R, et al. **J Thorac Cardiovasc Surg** 1981 Jan;81(1):124–6

Three main coronary arteries to pulmonary artery fistula. Mori K, et al. **Jpn Circ J** 1981 Feb;45(2):209–12

Agenesis of the right pulmonary artery [letter] Yarnal JR, et al. **N Engl J Med** 1980 Oct 9;303(15):884–5

Arteriohepatic dysplasia: association of liver disease with pulmonary arterial stenosis as well as facial and skeletal abnormalities. Levin SE, et al. **Pediatrics** 1980 Dec; 66(6):876–83

Pulmonary artery aplasia [letter] Thurer RJ, et al. **South Med J** 1980 Nov;73(11):1553

Anomalous origin of the left coronary artery from the pulmonary artery–definitive treatment by ostial occlusion through pulmonary arteriotomy and aorto–left coronary saphenous vein bypass. Lin YM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1980 Aug;79(8):722–30

Anomalous origin of left coronary artery with aortopulmonary window – a case report with surgical correction and delayed control. Bourlon F, et al. **Thorac Cardiovasc Surg** 1981 Apr;29(2):91–2

The spectrum of pulmonary arterio–venous fistulae. Clinico–pathological correlations. Gula G, et al. **Thorac Cardiovasc Surg** 1981 Feb;29(1):51–4

Anomalous origin of the right coronary artery with aortopulmonary window: functional and surgical considerations. Luisi SV, et al. **Thorax** 1980 Jun;35(6):446–8

[Diagnosis and treatment of congenital aorto–pulmonary septal defect: a report of 2 cases (author's transl)] Liu WY, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Mar;9(1):44–6 **(Chi)**

[Pulmonary arteriovenous fistulas (author's transl)] Ding JA. **Chung Hua Wai Ko Tsa Chih** 1980;18(1):33–5 **(Chi)**

[Pulmonary and systemic arterial system communication, probably of congenital origin, and due to an aneurysm (author's transl)] de Saint Florent G, et al. **Ann Chir** 1981; 35(3):203–5 (Eng. Abstr.) **(Fre)**

[Abnormal pulmonary artery arising from the ascending aorta. Report of seven cases (author's transl)] Laborde F, et al. **Ann Chir** 1980 Oct;34(8):609–13 (Eng. Abstr.) **(Fre)**

[Aorto–pulmonary fistulae. Experience with 15 cases] Marchand M, et al. **Ann Pediatr (Paris)** 1980 Sep; 27(7):457–60 (Eng. Abstr.) **(Fre)**

[Fistula between right pulmonary artery and left atrium. A case report and review of the literature (author's transl)] Rolland JC, et al. **Ann Pediatr (Paris)** 1979 Nov; 26(9):603–11 (Eng. Abstr.) **(Fre)**

[Surgical treatment of pulmonary atresia with opened septum. Apropos of 2 cases with hypoplastic pulmonary arteries] Planché C, et al. **Arch Mal Coeur** 1980 Oct;73(10):1193–202 (Eng. Abstr.) **(Fre)**

[Aorto–pulmonary windows. Report of fifteen cases (author's transl)] Marchand M, et al. **Sem Hop Paris** 1981 Mar 18–25; 57(11–12):575–8 (Eng. Abstr.) **(Fre)**

[Anomalous left coronary artery originating from the pulmonary artery in infants] Hučín B, et al. **Zentralbl Chir** 1981;106(14):945–54 (Eng. Abstr.) **(Ger)**

[Atypical congenital aorto–pulmonary artery communication in Fallot's tetralogy] Lichey C. **Zentralbl Chir** 1980; 105(14):922–6 **(Ger)**

[Absent pulmonary valve. Report of 4 cases, echocardiographic assessment and review of the literature (author's transl)] Gallo P, et al. **G Ital Cardiol** 1980; 10(1):100–12 (84 ref.) (Eng. Abstr.) **(Ita)**

[A rare case of complicated congenital heart disease––PDA, AS, peripheral PS congenital mental retardation and others] Kato N, et al. **Kokyu To Junkan** 1980 Jun; 28(6):665–70 (Eng. Abstr.) **(Jpn)**

[Clinical conference at the Department of Thoracic Surgery, Tokyo University. 2. Anomalous origin of the pulmonary artery associated with corrected transposition of great vessels] **Kyobu Geka** 1980 Aug;33(8):636–9 **(Jpn)**

[A surgical case report of bilateral coronary to pulmonary arterial fistula (author's transl)] Oka Y, et al. **Kyobu Geka** 1981 Mar;34(3):222–6 (Eng. Abstr.) **(Jpn)**

[Vascular resistance of the right lung in the anomalous origin of the right pulmonary artery from the ascending aorta––right pulmonary arterial vascular resistance as a key point for operative indication (author's transl)] Seki S, et al. **Kyobu Geka** 1980;33(9):681–5 (Eng. Abstr.) **(Jpn)**

[Aortic origin of the right pulmonary artery and ventricular septal defect (author's transl)] Hamada Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1980 Oct; 28(10):1596–601 (Eng. Abstr.) **(Jpn)**

[Construction of right ventricular outflow tract in pulmonary atresia and ventricular septal defect with poorly developed pulmonary arteries–as a palliative operation (author's transl)] Ogawa K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Jan;29(1):98–102 **(Jpn)**

[Pseudotruncus arteriosus with hypoplastic pulmonary arteries and large bronchial collateral arteries––a successful case report of two staged correction (author's transl)] Shimazaki Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1980 Sep;28(9):1455–61 (Eng. Abstr.) **(Jpn)**

[Successful surgical treatment of aorticopulmonary window in a nineteen–year–old patient (author's transl)] Shioi K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1980 Oct; 28(10):1558–64 (Eng. Abstr.) **(Jpn)**

[Aortic implantation of anomalous left coronary artery arising from pulmonary artery––report of a case (author's transl)] Soma Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1980 Oct;28(10):1565–9 (Eng. Abstr.) **(Jpn)**

[Anatomo–radiological correlation of the aorta and pulmonary artery in principal malformations of truncus–conus torsions and partitioning] de Medeiros Sobrinho JH, et al. **Arq Bras Cardiol** 1980 Jun;34(6):449–55 (Eng. Abstr.) **(Por)**

[Radical correction of common arterial trunk] Burakovskiĭ VI, et al. **Grudn Khir** 1981 Jan–Feb;(1):5–10 (Eng. Abstr.) **(Rus)**

[Anomalous derivation of the right coronary artery from the pulmonary artery with an interventricular septal defect] Burakovskiĭ VI, et al. **Grudn Khir** 1981 Mar–Apr;(2):5–10 (Eng. Abstr.) **(Rus)**

[Endovascular (via catheter) closure of a pulmonary arteriovenous fistula] Neklasov IuF, et al. **Grudn Khir** 1981 Mar–Apr;(2):85–6 **(Rus)**

[Cancer in a pulmonary 'sequestrum' (author's transl)] Peroš T, et al. **Lijec Vjesn** 1981;102(12):694–6 (Eng. Abstr.) **(Scr)**

[Pulmonary arteriovenous aneurysm in a 9–month–old infant] Cekovský L, et al. **Cesk Pediatr** 1981 May;36(5):273–5 **(Slo)**

[Fever of undetermined origin in a case of total correction of persistent truncus arteriosus with agenesis of the left pulmonary artery (author's transl)] Gómez R, et al. **An Esp Pediatr** 1981 Feb;14(2):111–6 (Eng. Abstr.) **(Spa)**

[Pulmonary atresia with intact interventricular septum] Attié F, et al. **Arch Inst Cardiol Mex** 1980 Mar–Apr;50(2):211–21 (Eng. Abstr.) **(Spa)**

[Systemic–pulmonary fistulas. Hemodynamic–angiographic diagnosis in 3 cases] Esplugas E, et al. **Rev Esp Cardiol** 1980;33(6):627–32 (Eng. Abstr.) **(Spa)**

[Congenital unilateral agenesis of the pulmonary artery. Apropos of 3 cases] Fidalgo I, et al. **Rev Esp Cardiol** 1980; 33(5):547–52 (Eng. Abstr.) **(Spa)**

CYTOLOGY

Angiotensin–converting enzyme: II. Pulmonary endothelial cells in culture. Ryan US, et al.

Environ Health Perspect 1980 Apr;35:171–80

DRUG EFFECTS

Serotonin receptors subserve only contraction in canine and rat pulmonary arteries and veins. Chand N, et al. **Artery** 1980;7(3):232–45

Pulmonary arterial structure in pulmonary atresia after prostaglandin E2 administration. Haworth SG, et al. **Br Heart J** 1981 Mar;45(3):311–6

Effects of angiotensin II and bradykinin on isolated human pulmonary arteries. Boe J, et al. **Eur J Respir Dis** 1981; 62(2):95–101

Drug-induced changes of vasomotor tone in isolated human segmental pulmonary arteries. Boe J. **Eur J Respir Dis [Suppl]** 1981;62(112):1–45

Influence of prostaglandin synthesis inhibitors on pulmonary vasodilatory effects of hydralazine in dogs with hypoxic pulmonary vasoconstriction. Rubin LJ, et al. **J Clin Invest** 1981 Jan;67(1):193–200

Reactivity of isolated rat and canine pulmonary blood vessels to synthetic prostaglandin endoperoxide (PGH2) analogs. Chand N, et al. **Prostaglandins Med** 1980 Dec;5(6):469–75

[Changes in diameters of small pulmonary venous and arterial vessels after nitroglycerin (author's transl)] Kober G, et al. **Z Kardiol** 1981 Jul;70(7):547–54 (Eng. Abstr.) **(Ger)**

[Effect of consecutive administration of obsidan and novodrin on pulmonary circulation in anesthesized dogs] Gimmel'farb GN, et al. **Kardiologiia** 1981;21(1):93–5 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Pulmonary angiotensin-converting enzyme and its inhibition: a historical survey. Bakhle YS. **Ciba Found Symp** 1980; (78):275–92

Kinins and angiotensins. Angiotensin I converting enzyme (kininase II) in endothelial cells cultured from human pulmonary arteries and veins. Johnson AR, et al. **Clin Exp Hypertens** 1980;2(3–4):659–74

GROWTH & DEVELOPMENT

Hypoperfusion and hyperperfusion in the immature lung. Pulmonary arterial development following ligation of the left pulmonary artery in the newborn pig. Haworth SG, et al. **J Thorac Cardiovasc Surg** 1981 Aug;82(2):281–92

INJURIES

Perforation of the pulmonary artery with Swan-Ganz catheters: diagnosis and surgical management. Kelly TF Jr, et al. **Ann Surg** 1981 Jun;193(6):686–92 (26 ref.)

Pulmonary arterial laceration secondary to subclavian vein catheterization [letter] Eichenhorn MS, et al. **Chest** 1980 Jul;78(1):120

Small amounts of hemoptysis as an early warning sign of pulmonary artery rupture by a pulmonary arterial catheter. Rosenbaum L, et al. **Crit Care Med** 1981 Apr;9(4):319–20

Catheter-induced pulmonary artery perforation. Mechanisms, management, and modifications. Barash PG, et al. **J Thorac Cardiovasc Surg** 1981 Jul;82(1):5–12

Catheter-induced pulmonary artery hemorrhage. Diagnosis and management in cardiac operations. McDaniel DD, et al. **J Thorac Cardiovasc Surg** 1981 Jul;82(1):1–4

INNERVATION

Adrenergic mechanisms in canine intralobar pulmonary arteries and veins. Greenberg S, et al. **Am J Physiol** 1981 Feb;240(2):H274–85

METABOLISM

Prostacyclin and thromboxane A2 synthesis by rabbit pulmonary artery. Salzman PM, et al. **J Pharmacol Exp Ther** 1980 Oct;215(1):240–7

Prostacyclin release from cultured and ex vivo bovine vascular endothelium. Studies with thrombin, arachidonic acid, and ionophore A23187. Goldsmith JC, et al. **Lab Invest** 1981 Aug;45(2):191–7

Pulmonary arterial lipid deposits after intravenous lipid infusions in neonates. **Nutr Rev** 1981 Jul;39(7):271–3

PATHOLOGY

Platelet adhesion and myointimal proliferation in canine pulmonary arteries. Schaub RG, et al. **Am J Pathol** 1981 Jul;104(1):13–22

Morphologic changes in the muscular pulmonary arteries: relationship to cigarette smoking, airway disease, and emphysema. Hale KA, et al. **Am Rev Respir Dis** 1980 Aug; 122(2):273–8

Wall thickness of small pulmonary arteries. Its measurement in victims of sudden infant death syndrome. Valdés-Dapena MA, et al. **Arch Pathol Lab Med** 1980 Dec; 104(12):621–4

Early stages of disease of the peripheral pulmonary arteries in canine dirofilariasis. Atwell RB. **Aust Vet J** 1980 Apr; 56(4):157–9

Endothelial cell pavement pattern in the pulmonary trunk in rats in chronic hypoxia. Kombe AH, et al. **Br J Dis Chest** 1980 Oct;74(4):362–8

Quantitative structural analysis of the pulmonary vascular bed in congenital heart defects. Rabinovitch M, et al. **Cardiovasc Clin** 1981;11(2):149–69 (46 ref.)

Hughes-Stovin syndrome with pulmonary angiitis and focal glomerulonephritis: a case report with necropsy study. Meireles A, et al. **Chest** 1981 May;79(5):598–600

Mediastinal and hilar fibrosis. Sobrinho-Simões MA, et al. **Histopathology** 1981 Jan;5(1):53–60

Early pulmonary vascular changes in congenital heart disease studied in biopsy tissue. Rabinovitch M, et al. **Hum Pathol** 1980 Sep;11(5 Suppl):499–509

Pulmonary arterial lipid deposit in newborn infants receiving intravenous lipid infusion. Dahms BB, et al. **J Pediatr** 1980 Nov;97(5):800–5

Pulmonary artery obstruction in thalassaemia. Sonakul D, et al. **Southeast Asian J Trop Med Public Health** 1980 Dec; 11(4):516–23

Tunica media of aorta and pulmonary trunk in relation to internal calibres in transposition of great arteries, in aortic and pulmonary atresia and in normal hearts. van Meurs-van Woezik H, et al. **Virchows Arch [Pathol Anat]** 1980; 386(3):303–16

[A clinical analysis of idiopathic pulmonary dilatation (63 cases) (author's transl)] Zheng GS. **Chung Hua Nei Ko Tsa Chih** 1980 Apr;19(4):269–71 **(Chi)**

[Morphologic particulars in the peripheral pulmonary artery of the lungs in neonates (author's transl)] Adebahr G, et al. **Z Rechtsmed** 1980;84(3):225–32 (Eng. Abstr.) **(Ger)**

[Morphological studies into pulmonary arterioles in pregnant rabbits with experimental hypertension (author's transl)] Jaworski S, et al. **Zentralbl Gynaekol** 1981;103(2):65–71 (Eng. Abstr.) **(Ger)**

[Idiopathic dilatation of the pulmonary artery. Report of a case] Tullio D, et al. **Minerva Cardioangiol** 1980 Oct; 28(10):705–10 (Eng. Abstr.) **(Ita)**

[Sarcoma of the pulmonary trunk associated with drug hypersensitivity] Solov'eva IP. **Arkh Patol** 1981;43(2):77–80 **(Rus)**

PHYSIOLOGY

Aortic and pulmonary arterial pressure after injection of contrast media into the right atrium of the rabbit. Comparison between metrizoate, ioxaglate and iohexol. Almén T, et al. **Acta Radiol [Suppl] (Stockh)** 1980;362:37–41

Simplified pulmonary artery/right atrial pressure monitoring system [letter] Gardner RM, et al. **Anesthesiology** 1981 Apr; 54(4):353–4

Pulmonary artery pressure monitoring in the surgical intensive care unit. Benefits vs difficulties. Quinn K, et al. **Arch Surg** 1981 Jul;116(7):872–6

Respiratory and cardiovascular responses to temperature changes in the perfused pulmonary arteries of the dog. Ledsome JR, et al. **Can J Physiol Pharmacol** 1981 May; 59(5):493–9

Bedside calibration check of pulmonary artery catheters [letter] Ross RM. **Chest** 1981 Jun;79(6):717–8

Adrenergic receptors and sympathetic agents in isolated human pulmonary arteries. Boe J, et al. **Eur J Respir Dis** 1980 Aug;61(4):195–202

Occurrence of inhibitory histamine H2-receptors in isolated pulmonary blood vessels of dogs and rats. Chand N, et al. **Experientia** 1980 Oct 15;36(10):1186–7

Analysis of pulsatile pulmonary artery blood flow in the unanesthetized dog. Hammon JW Jr, et al. **J Appl Physiol** 1981 Apr;50(4):805–13

Mechanical properties of aortas and pulmonary arteries of calves implanted with cardiac prostheses. Hayashi K, et al. **J Biomech** 1981;14(3):173–82

Elasticity of small pulmonary arteries in the cat. Yen RT, et al. **J Biomech Eng** 1980 May;102(2):170–7

A dual action of histamine on isolated human pulmonary arteries. Boe J, et al. **Respiration** 1980;40(3):117–22

[Indirect method for determining the systolic pressure in the pulmonary artery by echocardiography (author's transl)] Deng XX, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1979 Dec; 1(3):186–90 (Eng. Abstr.) **(Chi)**

[Vagus nerves and pulmonary artery pressure in the conscious and anesthetized cats using different levels of oxygenation (author's transl)] Gautier H, et al. **J Physiol (Paris)** 1980;76(8):835–43 (Eng. Abstr.) **(Fre)**

[Determination of the systolic time interval in normal subjects from electrokymographic studies of vessels near the heart] Raue I, et al. **Z Gesamte Inn Med** 1981 Mar;36(5):177–81 (Eng. Abstr.) **(Ger)**

[Transmembrane ion currents in pulmonary artery smooth muscle] Buryĭ VA, et al. **Biull Eksp Biol Med** 1980 Nov; 90(11):519–21 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Pulsed Doppler echocardiographic evaluation of the cyanotic newborn: identification of the pulmonary artery in transposition of the great arteries. Stevenson JG, et al. **Am J Cardiol** 1980 Nov;46(5):849–54

Pulmonary vascular smooth muscle function in porcine splanchnic arterial occlusion shock. Greenberg S, et al. **Am J Physiol** 1981 Jul;241(1):H34–44

Thrombocytopenia and altered platelet kinetics associated with prolonged pulmonary-artery catheterization in the dog. Richman KA, et al. **Anesthesiology** 1980 Aug; 53(2):101–5

Non-invasive estimation of pulmonary artery systolic pressure with Doppler ultrasound. Hatle L, et al. **Br Heart J** 1981 Feb;45(2):157–65

The use of tolazoline hydrochloride as a pulmonary vasodilator in potentially fatal episodes of pulmonary vasoconstriction after cardiac surgery in children. Jones OD, et al. **Circulation** 1981 Aug;64(2 Pt 2):134–9

Echocardiographic estimation of pulmonary artery pressure in infants and children with congenital heart disease. Fernandes R, et al. **Eur J Cardiol** 1980;11(6):473–81

Separation of left atrium from right pulmonary artery: a new echocardiographic sign of pericardial effusion. Kasper W, et al. **Klin Wochenschr** 1981 Jun 15;59(12):713–4

Pulmonary arterial hypertension induced by distention of the main pulmonary artery in conscious newborn, young, and adult sheep. Juratsch CE, et al. **Pediatr Res** 1980 Dec; 14(12):1332–8

Glucose metabolism accelerates the decline of hypoxic vasoconstriction in rat lungs. Rounds SS, et al. **Respir Physiol** 1981 May;44(2):239–49

Echocardiographic method for the estimation of pulmonary artery pressure in chronic lung disease. Boyd MJ, et al. **Thorax** 1980 Dec;35(12):914–9

[Interrelation of diastolic pressure in the pulmonary artery and capillary pressure in the lung in left ventricular insufficiency] Figueras J, et al. **Khirurgiia (Sofiia)** 1981; 34(2):170–9 (37 ref.) **(Bul)**

[Comparison of two E.E.C. baths by study of the oncotic pressure-pulmonary artery pressure gradient] D'Enfert J, et al. **Ann Anesthesiol Fr** 1980;21(5):535–44 (Eng. Abstr.) **(Fre)**

[Exertion and hemodynamics prior and following heart valve operations] Carstens V, et al. **Med Welt** 1980 Aug 8; 31(31–32):1124–34 **(Ger)**

[Accuracy of the exertion index as compared to pulmonary artery hemodynamics in various heart diseases] Ziesenhenn K, et al. **Z Gesamte Inn Med** 1980 Dec 15;35(24):879–82 **(Ger)**

[Comparison of selected indicators of blood flow in the aorta and pulmonary artery in healthy children by means of Doppler ultrasonic method from body surface] Barbacki M, et al. **Kardiol Pol** 1980;23(7):559–67 (Eng. Abstr.) **(Pol)**

[Wedge pressure in the pulmonary vein and artery] Gusarov GV, et al. **Vestn Khir** 1980 Dec;125(12):3–5 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Angiography of the bronchial and pulmonary arteries in chronic non-specific lung diseases. Noszkov A, et al. **Acta Chir Acad Sci Hung** 1979;20(2–3):225–34

Transfemoral pulmonary angiography: update on technique. Grollman JH, et al. **AJR** 1981 Mar;136(3):624–6

Anomalous left pulmonary artery: two new adult cases. Stone DN, et al. **AJR** 1980 Dec;135(6):1259–63

The role of noninvasive tests versus pulmonary angiography in the diagnosis of pulmonary embolism. Cheely R, et al. **Am J Med** 1981 Jan;70(1):17–22

The pulmonary artery segment in normal and in valvular pulmonary stenosis. Hernandez F, et al. **Angiology** 1981 May;32(5):311–20

Calcified pulmonary artery thrombus diagnosed on the plain radiograph. Hourihane JB, et al. **Br J Radiol** 1980 Nov; 53(635):1097–9

Intralobar pulmonary sequestration: value of aortography and pulmonary arteriography. Ferris EJ, et al. **Cardiovasc Intervent Radiol** 1981 Feb;4(1):17–23

[A radiologic analysis of 100 cases of pulmonary artery stenosis in tetralogy of Fallot (author's transl)] Hu WM. **Chung Hua Fang She Hsueh Tsa Chih** 1981 Feb;15(1):44–7 **(Chi)**

[Clinical study of pulmonary artery involvement in aortoarteritis (author's transl)] Zheng DY, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Mar; 9(1):22–4 (Eng. Abstr.) **(Chi)**

[Arteriovenous fistulae: combined radiological examination and pulmonary function tests (author's transl)] Falappa P, et al. **Ann Radiol (Paris)** 1980 Sep-Oct;23(6):506–7 (Eng. Abstr.) **(Fre)**

[Hughes-Stovin's syndrome. Apropos of a new case] Pons JC, et al. **Ann Radiol (Paris)** 1981 Mar;24(3):217–8 **(Fre)**

[Primary pulmonary hypertension. Deleterious effects of pulmonary angiography. Report of a case] Curti HJ, et al. **Arq Bras Cardiol** 1980 Sep;35(3):225–30 (Eng. Abstr.) **(Por)**

[Clinico-roentgenological picture of pulmonary thromboembolism during thrombolytic therapy] Mazaev PN, et al. **Sov Med** 1980;(6):12–6 (Eng. Abstr.) **(Rus)**

[Retrograde angiography in the diagnosis of pulmonary sequestration in children] Shumskiĭ VI, et al. **Vestn Rentgenol Radiol** 1981 Jan-Feb;(1):13–6 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Radionuclide diagnosis of pulmonary artery aneurysm. Paramsothy M, et al. **Australas Radiol** 1979 Jul;23(2):105–7

Thallium-201 myocardial imaging in young adults with anomalous left coronary artery arising from the pulmonary artery. Moodie DS, et al. **J Nucl Med** 1980 Nov; 21(11):1076–9

SURGERY

Absent pulmonary valve syndrome in infancy: surgery

reconsidered. Dunnigan A, et al. **Am J Cardiol** 1981 Jul; 48(1):117–22

Results of right atrial to right ventricular and right atrial to pulmonary artery conduits for complex congenital heart disease. Laks H, et al. **Ann Surg** 1980 Sep;192(3):382–9

Late results of reconstruction of the right ventricular outflow tract with porcine xenografts in children. Bisset GS 3d, et al. **Ann Thorac Surg** 1981 May;31(5):437–43

Systemic–Pulmonary shunts inneonates and infants using microporous expanded polytetrafluoroethylene: immediate and late results. Donahoo JS, et al. **Ann Thorac Surg** 1980 Aug;30(2):146–50

Postoperative angiographic assessment of modified Blalock–Taussig shunts using expanded polytetrafluoroethylene (Gore–Tex). McKay R, et al. **Ann Thorac Surg** 1980 Aug;30(2):137–45

Glenn shunt: long–term results and current role in congenital heart operations. Pennington DG, et al. **Ann Thorac Surg** 1981 Jun;31(6):532–9

Aortopulmonary anastomosis in patients with levotransposition. Utley JR. **Ann Thorac Surg** 1981 Apr; 31(4):381–3

Early extubation after Fontan operation. A clinical report. Schuller JL, et al. **Br J Anaesth** 1980 Oct;52(10):999–1004

Swan–Ganz catheter contamination: a protective sleeve for repositioning. Bessette MC, et al. **Can Anaesth Soc J** 1981 Jan;28(1):86–8

Alterations in carotid arterial velocity–time profile produced by the Blalock–Taussig shunt. Serwer GA, et al. **Circulation** 1981 May;63(5):1115–20

Management of Potts' anastomosis during total correction using Foley's catheter balloon tamponade. Abulata N, et al. **J Egypt Med Assoc** 1978;61(11–12):763–4

Modified Blalock–Taussig shunt. Use of subclavian artery orifice as flow regulator in prosthetic systemic–pulmonary artery shunts. de Leval MR, et al. **J Thorac Cardiovasc Surg** 1981 Jan;81(1):112–9

Modified Fontan procedure. Methods to achieve direct anastomosis of right atrium to pulmonary artery. Doty DB, et al. **J Thorac Cardiovasc Surg** 1981 Mar;81(3):470–5

Study of autologous pericardial patch–grafts in the right ventricular outflow tracts in growing and adult dogs. Hjelms E, et al. **J Thorac Cardiovasc Surg** 1981 Jan; 81(1):120–3

Surgical repair of coarctation of the aorta in infants less than six months of age: including the question of pulmonary artery banding. Kamau P, et al. **J Thorac Cardiovasc Surg** 1981 Feb;81(2):171–9

Experimental evaluation of atrial function in right atrium--pulmonary artery conduit operation for tricuspid atresia. Matsuda H, et al. **J Thorac Cardiovasc Surg** 1981 May;81(5):762–7

Illusions leading to surgical closure of the distal left pulmonary artery instead of the ductus arteriosus. Pontius RG, et al. **J Thorac Cardiovasc Surg** 1981 Jul;82(1):107–13

Pulmonary artery banding: an analysis of current risks, results, and indications. Stewart S, et al. **J Thorac Cardiovasc Surg** 1980 Sep;80(3):431–6

Wire coil embolization of systemic–pulmonary artery collaterals following surgical correction of pulmonary atresia. Szarnicki R, et al. **J Thorac Cardiovasc Surg** 1981 Jan;81(1):124–6

Trans--pulmonary arterial repair of supracristal ventricular septal defects in infancy. Tharion J, et al. **J Thorac Cardiovasc Surg** 1980 Dec;80(6):948–50

Persistent stenosis and deformity of the right pulmonary artery after correction of the Waterston anastomosis. Wilson JM, et al. **J Thorac Cardiovasc Surg** 1981 Aug; 82(2):169–75

Surgical constriction of the pulmonary artery. A new experimental technique. Chauve A, et al. **Thorac Cardiovasc Surg** 1981 Apr;29(2):77–81

[Surgery of the descending thoracic aorta. Partial derivation between the pulmonary and femoral arteries: 29 cases (author's transl)] Goudot B, et al. **Nouv Presse Med** 1980 May 31;9(24):1703–5 (Eng. Abstr.) **(Fre)**

[Functional and morphological studies following bilateral combined bi–lobectomy with resection of th bronchus and pulmonary artery in an animal experiment] Rabinowitsch JJ. **Z Exp Chir** 1980;13(3):122–36 (Eng. Abstr.) **(Ger)**

[Extracardiac conduits: indications, techniques and early results (author's transl)] Marcelletii C, et al. **G Ital Cardiol** 1980;10(8):1041–54 (Eng. Abstr.) **(Ita)**

[The subclavian–pulmonary anastomosis (author's transl)] Mazzera E, et al. **G Ital Cardiol** 1980;10(1):5–11 (Eng. Abstr.) **(Ita)**

[Spontaneous debanding of the pulmonary artery in a case of interventricular septal defect] Actis Dato A, et al. **Minerva Med** 1981 Jul 31;72(29):1971–3 **(Ita)**

[Segmental resection of the pulmonary artery during a bronchoplasty (author's transl)] Tsubota N, et al. **Kyobu Geka** 1980 Aug;33(8):614–8 (Eng. Abstr.) **(Jpn)**

[An experimental study on the patency of the subclavian–pulmonary artery anastomosis (author's transl)] Irisawa T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1980 Oct;28(10):1517–24 (Eng. Abstr.) **(Jpn)**

[Coronary artery fistula communicating from left coronary artery to pulmonary trunk. A case report and review of Japanese literature (author's transl)] Takaba T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1980 Jul;28(7):1185–90 (Eng. Abstr.) **(Jpn)**

[Plication and suspension of the pulmonary artery for severe left bronchial compression in infant with ventricular septal defect (author's transl)] Yamaguchi M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Jan;29(1):86–97 (Eng. Abstr.) **(Jpn)**

[Subclavian arterioplasty for Blalock–Taussig shunt (author's transl)] Yokota M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1980 Aug;28(8):1207–14 (Eng. Abstr.) **(Jpn)**

[Experimental operation for including the right ventricle into the systemic circulation for assisted circulation in left–ventricular insufficiency] Religa Z. **Kardiol Pol** 1981; 24(5):367–76 (Eng. Abstr.) **(Pol)**

[Results of performing a Blalock–Taussig anastomosis on young infants with tetralogy of Fallot] Fal'kovskii GE, et al. **Kardiologiia** 1981 Feb;21(2):51–5 (Eng. Abstr.) **(Rus)**

[Pulmonary artery aneurysm] Arapov AD, et al. **Vestn Khir** 1981 Feb;126(2):3–7 (Eng. Abstr.) **(Rus)**

[Radionuclide scintigraphy of the lungs in the evaluation of the effect of subclavian–pulmonary anastomosis on the distribution of the pulmonary circulation in Fallot's tetralogy] Rizaev MN, et al. **Vestn Khir** 1981 Jun;126(6):3–6 **(Rus)**

ULTRASTRUCTURE

Ultrastructural findings in lung biopsy material from children with congenital heart defects. Meyrick B, et al. **Am J Pathol** 1980 Dec;101(3):527–42

Intimal lesions of the pulmonary artery in dogs with experimental dirofilariasis. Munnell JF, et al. **Am J Vet Res** 1980 Jul;41(7):1108–12

Pulmonary vascular response during phases of canine heartworm disease: scanning electron microscopic study. Schaub RG, et al. **Am J Vet Res** 1980 Jul;41(7):1082–9

Scanning electron microscopy of canine pulmonary arteries and veins. Schaub RG, et al. **Am J Vet Res** 1980 Sep; 41(9):1441–6

Hypoxia and pulmonary vascular endothelium. Reid L, et al. **Ciba Found Symp** 1980;(78):37–60

[Ultrastructural aspects of the transendothelial passage of macromolecules in the pulmonary trunk of the rat] Nikolov S, et al. **Eksp Med Morfol** 1980;19(3):131–5 (Eng. Abstr.) **(Bul)**

PULMONARY ARTERY WEDGE PRESSURE see **PULMONARY WEDGE PRESSURE**

PULMONARY CAPILLARY WEDGE PRESSURE see **PULMONARY WEDGE PRESSURE**

PULMONARY CIRCULATION

Hemodynamic changes in pulmonary circulation following fat embolism. Hartenauer U, et al. **Acta Anaesthesiol Belg** 1980;31 Suppl:155–60

Role of the arterial bronchial system in the pathomechanism of the shock lung. Pénzes I, et al. **Acta Chir Acad Sci Hung** 1979;20(2–3):115–30

Microembolism and pulmonary haemodynamics in the early phase of experimental septic shock. Myrvold HE. **Acta Chir Scand [Suppl]** 1980;Suppl 499:21–30

The pulmonary reaction in aggregate anaphylaxis in the monkey. Revenäs B, et al. **Acta Chir Scand [Suppl]** 1980; Suppl 499:161–70

Central hemodynamics during CO2 challenge and its relation to PCSF CO2. Vejlsted H, et al. **Acta Chir Scand [Suppl]** 1980;502:33–7

Alterations of the pulmonary microcirculation after open heart surgery. Correlation between the pulmonary vascular dynamics and ultrastructural changes after the operation. Rodrigues Gomes M, et al. **Acta Med Port** 1980 Dec;Suppl 1:79–93

Constant flow– vs. constant pressure–perfusion for studies of pulmonary vasoactive responses. Bjertnaes L, et al. **Acta Physiol Scand** 1980 Jun;109(2):193–200

The systemic pulmonary circulation in pulmonary atresia with ventricular septal defect: concept of reciprocal development of the fourth and sixth aortic arches. Thiene G, et al. **Am Heart J** 1981 Mar;101(3):339–44

Patent ductus arteriosus. Its occurrence with unequal pulmonary vascularity and hyperlucent left lung. Oh KS, et al. **Am J Dis Child** 1981 Jul;135(7):637–9

Increased pulmonary vascular permeability after bone marrow injection in sheep. Barie PS, et al. **Am Rev Respir Dis** 1981 Jun;123(6):648–53

Effect of acute pancreatitis on pulmonary transvascular fluid and protein exchange. Lee BC, et al. **Am Rev Respir Dis** 1981 Jun;123(6):618–21

Lack of sensitivity of measurements of Vd/Vt at rest and during exercise in detection of hemodynamically significant pulmonary vascular abnormalities in collagen vascular disease. Mohsenifar Z, et al. **Am Rev Respir Dis** 1981 May; 123(5):508–12

Pulmonary blood flow and tissue volume. Assessment of a non–invasive technique of measurement. Salt JC, et al. **Anaesthesia** 1980 Nov;35(11):1054–9

The application of the density dilution method for the observation of fast osmotic fluid shifts in the lung circulation. Kenner T, et al. **Biomed Tech (Berlin)** 1980 Jun;25(6):139–43

Growth and development of pulmonary circulation in pulmonary atresia with ventricular septal defect and major aortopulmonary collateral arteries. Haworth SG, et al. **Br Heart J** 1980 Jul;44(1):14–24

Determination of pulmonary blood flow by videodensitometry. Erikson U, et al. **Bull Eur Physiopathol Respir** 1980 Sep–Oct;16(5):663–70

Adaptation of the pulmonary circulation to extra–uterine life in the pig and its relevance to the human infant. Haworth SG, et al. **Cardiovasc Res** 1981 Feb;15(2):108–19

Behavior of the pulmonary circulation in the grossly obese patient. Pathogenesis of pulmonary arterial hypertension at an altitude of 2,240 meters. Lupi–Herrera E, et al. **Chest** 1980 Oct;78(4):553–8

The fate of circulating biologically active peptides in the lungs. Ferreira SH, et al. **Ciba Found Symp** 1980;(78):129–45

Hypoxia and pulmonary vascular endothelium. Reid L, et al. **Ciba Found Symp** 1980;(78):37–60

An analysis of the pulsatile hemodynamic responses of the pulmonary circulation to acute and chronic pulmonary venous hypertension in the awake dog. Hopkins RA, et al. **Circ Res** 1980 Dec;47(6):902–10

Effect of heart disease on the pulmonary circulation. Branthwaite M. **Cleve Clin Q** 1981 Spring;48(1):3–8

Altitude and the human pulmonary circulation. Lockhart A, et al. **Clin Sci** 1981 Jun;60(6):599–605 (84 ref.)

Left ventricular overload caused by collateral pulmonary circulation in chronic pneumopathies–myth or reality? Endrys J, et al. **Cor Vasa** 1981;23(2):121–5

Pulmonary circulation in juvenile hypertension. Widimský J, et al. **Cor Vasa** 1980;22(3):156–67

Pulmonary circulation: introduction. Widimský J. **Cor Vasa** 1980;22(4):217–20

Balloon directed pulmonary blood flow. Peterson BM. **Crit Care Med** 1981 Jul;9(7):540–3

Cough supported circulation. Rosborough JP, et al. **Crit Care Med** 1981 May;9(5):371–2

Pattern recognition in radiographs of excised air–inflated human lungs. I. Circulatory disorders in non–emphysematous lungs. Pääkkö P, et al. **Eur J Respir Dis** 1981 Feb;62(1):21–32

Cardiac output and regional blood flow studies in golden hamsters. Gulati OP, et al. **Experientia** 1980 Aug 15; 36(8):984–5

Effect of pulmonary artery occlusion and reperfusion on extravascular fluid accumulation. Barie PS, et al. **J Appl Physiol** 1981 Jan;50(1):102–6

Redistribution of pulmonary blood flow during experimental air embolism. Chang HK, et al. **J Appl Physiol** 1981 Jul; 51(1):211–7

Effect of prolonged recombency on pulmonary blood volume in normal humans. Hirasuna JD, et al. **J Appl Physiol** 1981 May;50(5):950–5

Pathophysiology of gas exchange and pulmonary perfusion in pneumococcal lobar pneumonia in dogs. Light RB, et al. **J Appl Physiol** 1981 Mar;50(3):524–30

Effects of pulmonary edema on regional pulmonary perfusion in the intact dog lung. Malik AB, et al. **J Appl Physiol** 1980 Nov;49(5):834–40

Effect of PEEP on gas exchange and pulmonary perfusion in canine lobar pneumonia. Mink SN, et al. **J Appl Physiol** 1981 Mar;50(3):517–23

Functional aspects of canine bronchial–pulmonary vascular communications. Modell HI, et al. **J Appl Physiol** 1981 May;50(5):1045–51

Atelectatic lobe blood flow: open vs. closed chest, positive pressure vs. spontaneous ventilation. Pirlo AF, et al. **J Appl Physiol** 1981 May;50(5):1022–6

Rebreathing techniques for pulmonary capillary blood flow and tissue volume. Sackner MA, et al. **J Appl Physiol** 1980 Nov;49(5):910–5

Vasodilator and constrictor responses to hypoxia in isolated pig lungs. Sylvester JT, et al. **J Appl Physiol** 1980 Nov; 49(5):820–5

Elasticity of small pulmonary veins in the cat. Yen RT, et al. **J Biomech Eng** 1981 Feb;103(1):38–42

Autoimmune haemolytic anaemia and pulmonary vasculitis associated with circulating immune complexes. Takiainen P, et al. **J Clin Lab Immunol** 1980 Mar;3(2):139–43

Pneumococcus–induced granulocytopenia and pulmonary leukostasis in rabbits. Goldblum SE, et al. **J Lab Clin Med** 1981 Feb;97(2):278–90

A theoretical model for studying the rate of oxygenation of blood in pulmonary capillaries. Singh MP, et al. **J Math Biol** 1980 Jun;9(4):305–30

Noninvasive measurement of cardiopulmonary blood volume. Evaluation of the centroid method. Fouad FM, et al. **J Nucl Med** 1981 Mar;22(3):205–11

Interactive transit time imaging (ITTI) for improved cardiac and vascular studies in dynamic scintigraphy. Bellina CR, et al. **J Nucl Med Allied Sci** 1980 Jul–Dec;24(3–4):201–7

Normal structural and functional adaptation to extrauterine life. Haworth SG. **J Pediatr** 1981 Jun;98(6):915–8

Pulmonary input impedance in children with left–right shunt. Wilcox BR, et al. **J Surg Res** 1980 Jul;29(1):40–9

Augmentation of pulmonary blood flow after right ventricular bypass. Sade RM, et al. **J Thorac Cardiovasc Surg** 1981 Jun;81(6):928–33

Pulmonary shunting during leukoagglutinin–induced noncardiac pulmonary edema. Dubois M, et al. **JAMA** 1980 Nov 14;244(19):2186–9

A documented episode of pulmonary vasoconstriction in systemic sclerosis. Naslund MJ, et al. **Johns Hopkins Med J** 1981 Feb;148(2):78–80

Non–invasive estimation of the human pulmonary blood

volume with gamma camera and RI-angiocardiography. Goto K, et al. **Jpn Circ J** 1981 Jan;45(1):113–9

Scintigraphic evaluation of regional pulmonary circulation and ventilation abnormalities in mitral valvular disease and congestive heart failure. Hamada M, et al. **Jpn Circ J** 1981 Jan;45(1):103–12

Natural and post-operative history of pulmonary vascular obstruction associated with ventricular septal defect. Momma K, et al. **Jpn Circ J** 1981 Feb;45(2):230–7

A new method for noninvasive bedside determination of pulmonary blood flow. Gedeon A, et al. **Med Biol Eng Comput** 1980 Jul;18(4):411–8

Studies on group B beta-hemolytic Streptococcus. II. Effects on pulmonary hemodynamics and vascular permeability in unanesthetized sheep. Rojas J, et al. **Pediatr Res** 1981 Jun; 15(6):899–904

Measurement of pulmonary perfusion using a digitised ECG-triggered gamma ray absorption technique. Kiuru A, et al. **Phys Med Biol** 1981 Mar;26(2):237–44

Measuring pulmonary vascular congestion with quantitative radiographic indexes from digitized images. Revesz G, et al. **Radiology** 1981 Feb;138(2):473–6

Regional pulmonary perfusion in horses: a comparison between anaesthetised and conscious standing animals. Staddon GE, et al. **Res Vet Sci** 1981 Jan;30(1):44–8

Effect of transpulmonary pressure on blood-flow velocity in pulmonary microvessels. Horimoto M, et al. **Respir Physiol** 1981 Jan;43(1):31–41

Cardiopulmonary consequences of decompression stress. Neuman TS, et al. **Respir Physiol** 1980 Aug;41(2):143–53

Pulmonary haemodynamics in coal workers' pneumoconiosis and non-p]neumoconiotic patients with chronic obstructive airways disease. Bugalho de Almeida AA, et al. **Respiration** 1980;40(1):31–7

Limitations of oxygen saturation method for measurement of left-to-right shunt during oxygen breathing. Endrys J, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1980;23(2):119–25

Rate of angiotensin II generation within the human pulmonary vascular bed. Giese J, et al. **Scand J Clin Lab Invest** 1980 Sep;40(5):397–401

Effects of pulmonary vascular recruitment on gamma scintigraphy and pulmonary capillary protein leak. Sugerman HJ, et al. **Surgery** 1981 Aug;90(2):388–95

Pulmonary circulatory adaptation to acute atelectasis in man. Fiser WP, et al. **Tex Rep Biol Med** 1979;39:235–45

Pulmonary vascular response to atelectasis. Kersten TE, et al. **Tex Rep Biol Med** 1979;39:223–30

Blood flow through the collapsed lung. Read RC. **Tex Rep Biol Med** 1979;39:219–21

Treatment of tricuspid atresia with small pulmonary flow (type Ib) by surgical enlargement of the ventricular septum defect. Gersbach P, et al. **Thorac Cardiovasc Surg** 1981 Apr; 29(2):82–7

Symposium on microfiltration of blood and pulmonary function. **Vox Sang** 1980 Jul;39(1):46–59

[A non-invasive approach to pulmonary hemodynamics] Lewis CM, et al. **S Afr Med J** 1981 Aug 1;60(5):171–5 (Eng. Abstr.) **(Afr)**

[Pulmonary rheograph in the experimental study of lung circulation (author's transl)] **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1979;2(3):153–4 **(Chi)**

[Rheopulmonogram in anthracosilicosis and its complications (author's transl)] Li GC. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1980 Sep;3(3):157–9 **(Chi)**

[A study of pulmonary rheography determinating pulmonary circulation and right cardiac function (author's transl)] Cai YN, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1979 Dec; 1(3):173–8 (Eng. Abstr.) **(Chi)**

[Effect of breathing oxygen upon pulmonary hypertension in men at high altitude (author's transl)] Cai YN, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1979 Dec; 1(3):206–10 (Eng. Abstr.) **(Chi)**

[The influence of high altitude on pulmonary rheography (author's transl)] Cai YN, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1979 Dec; 1(3):179–85 (Eng. Abstr.) **(Chi)**

[Research on postcapillary pulmonary circulation. A review of the research results of Dr. František Herles] Ouřednik A, et al. **Cas Lek Cesk** 1980 May 9;119(19):547–9 (Eng. Abstr.) **(Cze)**

[Pulmonary circulation in juvenile hypertension (author's transl)] Widimský J, et al. **Cas Lek Cesk** 1980 Dec 26; 119(52):1430–5 (Eng. Abstr.) **(Cze)**

[Simultaneous assessment of intra-pulmonary right-to-left shunting and of aADCO2 in 5 neonates with refractory hypoxemia (author's transl)] Dehan M, et al. **Arch Fr Pediatr** 1981 Feb;38(2):101–7 (Eng. Abstr.) **(Fre)**

[Measurement of electrical impedances of each lung. Assessment of the technique (author's transl)] Dautzenberg B, et al. **Bull Eur Physiopathol Respir** 1981;17(3):419–26 (Eng. Abstr.) **(Fre)**

[Pulmonary blood volume in chronic lung disease (author's transl)] Schrijen F, et al. **Bull Eur Physiopathol Respir** 1980 Sep-Oct;16(5):637–44 (Eng. Abstr.) **(Fre)**

[Routine bedside measurement of arterio-alveolar CO2 difference (author's transl)] Dautzenberg B, et al. **Nouv Presse Med** 1980 Aug 30-Sep 6;9(31):2129–32 (Eng. Abstr.) **(Fre)**

[The role of a radioisotopic method for measuring pulmonary vascularization in the exploration of certain cardiopathies] Radermecker R. **Rev Med Liege** 1980 Aug 1–15; 35(15–16):539–42 **(Fre)**

[Global and regional changes of cardiopulmonary blood volume under continuous work load (author's transl)] Höck A, et al. **Nuklearmedizin** 1980 Aug;19(4):166–73 (Eng. Abstr.) **(Ger)**

[Technique of comparative angiographic and morphologic examination of the heart and pulmonary circulation (author's transl)] Schoenmackers J, et al. **Pathol Res Pract** 1980;169(3–4):396–402 (Eng. Abstr.) **(Ger)**

[Obstructive respiratory tract diseases and pulmonary micro circulation] Schulz V. **Prax Klin Pneumol** 1980 Jun; 34(6):332–7 (Eng. Abstr.) **(Ger)**

[Hemodynamics of pulmonary circulation during pulmonary resection (author's transl)] Heindl W, et al. **Wien Med Wochenschr** 1980 Jun 30;130(12):407–13 (Eng. Abstr.) **(Ger)**

[The influence of hypobaric hypoxia upon the hemodynamics of the pulmonary circulation (author's transl)] Harzbecker K, et al. **Z Erkr Atmungsorgane** 1980 May;155(2):191–8 (Eng. Abstr.) **(Ger)**

[Problems of early detection of latent pulmonary hypertension--the value of ergometric tests and the correlation between pulmonary circulation and parameters of lung function (author's transl)] Krause M, et al. **Z Erkr Atmungsorgane** 1980 May;155(2):166–71 (Eng. Abstr.) **(Ger)**

[Cardiopulmonary capacity before and after lung operation (author's transl)] Schleusing G, et al. **Z Erkr Atmungsorgane** 1980 May;155(2):207–19 (Eng. Abstr.) **(Ger)**

[Intraoperative measurements of the oscillatory impedance in scoliotic patients (author's transl)] Spiss CK, et al. **Z Orthop** 1980 Oct;118(5):729–34 (Eng. Abstr.) **(Ger)**

[Importance of the study of pulmonary circulation with right heart microcatheterization in the evaluation of incapacitating respiratory damage] Caputi M, et al. **Arch Monaldi** 1980 Jan-Apr;35(1–2):48–60 (Eng. Abstr.) **(Ita)**

[Cardiac output and pulmonary blood volume in arterial hypertension of chronic uremia] Zoccali C, et al. **Boll Soc Ital Biol Sper** 1980 Dec 15;56(23):2439–45 (Eng. Abstr.) **(Ita)**

[Correlation between diastolic pulmonary pressure and pulmonary vascular resistance in congenital heart disease with left-right shunt] Corsini G, et al. **Boll Soc Ital Cardiol** 1980;25(1):9–17 (Eng. Abstr.) **(Ita)**

[Behavior of right ventricular function and pulmonary hemodynamics in normal subjects subjected to isometric exercise] Iannetti M, et al. **Boll Soc Ital Cardiol** 1978; 23(6):1104–8 **(Ita)**

[Morpho-functional aspects of the pulmonary circulation in the aged] Carratu' L, et al. **G Clin Med** 1981 Mar; 62(3):155–72 (Eng. Abstr.) **(Ita)**

[Xerotomographic and rheographic study of the pulmonary circulation in chronic bronchopneumonopathies] Ascarelli AA, et al. **Radiol Med (Torino)** 1980 Mar;66(3):145–8 **(Ita)**

[Morphofunctional aspects of pulmonary circulation] Carratu' L, et al. **Torace** 1979 Mar;22(1):15–33 (74 ref.) **(Ita)**

[Possibility of pulmonary circulation study with nongaseous radioactive isotopes] Carratu' L. **Torace** 1978 Dec; 21(1–4):57–76 (Eng. Abstr.) **(Ita)**

[Lung blood perfusion changes following tubercular processes cured by antibiotic drug therapy] Carratu' L, et al. **Torace** 1978 Dec;21(1–4):77–92 (Eng. Abstr.) **(Ita)**

[Characteristics of pulmonary perfusion behavior in bronchial asthma] Carratu' L. **Torace** 1978 Dec;21(1–4):49–56 (Eng. Abstr.) **(Ita)**

[Factors regulating and modifying the pulmonary circulation] Carratu' L, et al. **Torace** 1979 Mar;22(1):34–49 (90 ref.) **(Ita)**

[Morphofunctional aspects of the pulmonary circulation in kyphoscoliosis; angiocardiopneumographic, scintigraphic and hemodynamic characteristics] Carratu' L, et al. **Torace** 1978 Dec;21(1–4):93–105 (Eng. Abstr.) **(Ita)**

[Experimental study on the volume-pressure relationship in the pulmonary 'venous' system (author's transl)] Nakano T, et al. **Jpn Circ J** 1980 Sep;44 Suppl 3:415–25 **(Jpn)**

[Inactivation of prostaglandin F2 alpha in pulmonary and systemic circulation (author's transl)] Chijimatsu Y, et al. **Kokyu To Junkan** 1980 Aug;28(8):885–9 (Eng. Abstr.) **(Jpn)**

[Effects of nonpulsatile flow in the systemic and pulmonary circulation on the impedance cardiogram (author's transl)] Goto T, et al. **Kokyu To Junkan** 1981 Jan;29(1):69–74 (Eng. Abstr.) **(Jpn)**

[Bronchial asthma and pulmonary function, with special reference to pulmonary circulation and expectoration] Ryuge K, et al. **Kokyu To Junkan** 1980 Jun;28(6):625–9 **(Jpn)**

[Estimation of cardiac function after mitral valve-replacement by using stress digital perfusion images (stress-DPI)] Tanaka T, et al. **Kyobu Geka** 1980; 33(9):665–71 (Eng. Abstr.) **(Jpn)**

[Effect of reinflation of chronic atelectatic lung (author's transl)] Miki H. **Nippon Kyobu Geka Gakkai Zasshi** 1980 Jun;28(6):959–71 (Eng. Abstr.) **(Jpn)**

[Hemodynamic response to exercise in the patients with extreme pulmonary hypertension accompanied by mitral stenosis after open mitral commissurotomy (author's transl)] Nakano S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Mar;29(3):335–41 (Eng. Abstr.) **(Jpn)**

[Analysis of pulmonary blood flow with the ultrasonic pulse Doppler technique (author's transl)] Okamoto M, et al. **Nippon Naika Gakkai Zasshi** 1981 Mar;70(3):376–84 **(Jpn)**

[Pulmonary circulation (author's transl)] Sasamoto H. **Nippon Naika Gakkai Zasshi** 1981 Mar;70(3):349–59 **(Jpn)**

[Pulmonary circulation] Sasamoto H, et al. **Nippon Naika Gakkai Zasshi** 1980 Feb 10;69(2):153–4 **(Jpn)**

[Comparison of selected indicators of blood flow in the aorta and pulmonary artery in healthy children by means of Doppler ultrasonic method from body surface] Barbacki M, et al. **Kardiol Pol** 1980;23(7):559–67 (Eng. Abstr.) **(Pol)**

[Pulmonary circulation at rest and during exercise in patients with idiopathic interstitial pulmonary fibrosis] Hawrylkiewicz I, et al. **Pol Arch Med Wewn** 1981; 65(5):377–84 (Eng. Abstr.) **(Pol)**

[Pulmonary blood flow without the participation of the right ventricle] Religa Z. **Pol Tyg Lek** 1980 May 19;35(20):757–9 **(Pol)**

[Theory of Ibn an-Nafis (1210–1288) on pulmonary circulation] Sliwiński S. **Wiad Lek** 1981 Mar 15;34(6):531–3 **(Pol)**

[Effect of artificial pulmonary ventilation under constant positive pressure in the respiratory tracts on the lesser circulation under various types of general anesthesia] Gimmel'farb GN, et al. **Anesteziol Reanimatol** 1980 Sep-Oct;(5):43–6 (Eng. Abstr.) **(Rus)**

[Role of microfiltration of the blood in preventing pulmonary circulatory disturbances during transfusion therapy of acute blood loss] Golokhvastov NN, et al. **Anesteziol Reanimatol** 1981 Jan-Feb;(1):28–31 (Eng. Abstr.) **(Rus)**

[Pulmonary shunt and arteriovenous O2 difference during general anesthesia for heart transplants] Ustinov DV. **Anesteziol Reanimatol** 1981 Mar-Apr;(2):19–21 (Eng. Abstr.) **(Rus)**

[Effect of pulmonary artery blood pressure gas exchange in functionally heterogeneous lungs] D'iachenko AI. **Biull Eksp Biol Med** 1981 May;91(5):564–6 (Eng. Abstr.) **(Rus)**

[Serotonin and histamine metabolism in the lungs in various types of surgical pathology and the effect of metabolic changes on the lesser circulation and intrapulmonary shunting during surgery] Gimmel'farb GN, et al. **Grudn Khir** 1981 Jul-Aug;(4):76–9 (Eng. Abstr.) **(Rus)**

[Pulmonary blood flow in bronchiectasis patients before and after segmental and combined lung resections] Medvenskiĭ BV, et al. **Grudn Khir** 1981 May-Jun;(3):60–5 (Eng. Abstr.) **(Rus)**

[Pulmonary blood flow and ventilation before and after the surgical treatment of patent ductus arteriosus according to radioisotopic study data] Rizaev MN, et al. **Grudn Khir** 1981 Jan-Feb;(1):31–5 (Eng. Abstr.) **(Rus)**

[Functional disorders of the cardiovascular system at remote periods after pneumonectomy] Sakharov VA, et al. **Grudn Khir** 1980 Nov-Dec;(6):72–7 (72 ref.) **(Rus)**

[Evaluation of the hemodynamic reactions of the greater and lesser circulations in performing functional load tests] Sil'vestrov VP, et al. **Kardiologiia** 1980 Sep;20(9):54–8 (Eng. Abstr.) **(Rus)**

[Age-related characteristics of lesser circulation the external respiration and hemodynamics of the in disseminated and diffuse peritonitis] Lutsenko SM, et al. **Klin Khir** 1981 Jan; (1):10–2 (Eng. Abstr.) **(Rus)**

[Radionuclide scanning in studying pulmonary blood flow in patent ductus arteriosus] Rizaev MN, et al. **Med Radiol (Mosk)** 1980 Oct;25(10):8–12 (Eng. Abstr.) **(Rus)**

[Rheography in assessing blood flow and pulmonary ventilation in severe forms of pneumonias in young children] Paramonova OV. **Pediatriia** 1980 Jul;(7):15–8 (Eng. Abstr.) **(Rus)**

[Role of the pulmonary circulation in the system of lung protective mechanisms and in the pathogenesis of pneumonias] Russu VG. **Pediatriia** 1981 Jan;(1):14–6 (21 ref.) (Eng. Abstr.) **(Rus)**

[Pulmonary blood flow in acute pneumonia] Karabinenko AA, et al. **Sov Med** 1981;(1):31–5 (Eng. Abstr.) **(Rus)**

[Effect of forced inspiration and expiration on lobar rheopneumography] Agranonik GL, et al. **Ter Arkh** 1980; 52(12):64–6 (Eng. Abstr.) **(Rus)**

[Pulmonary blood flow in tetralogy of Fallot based on radioisotope scanning data] Khodzhibekov MKh, et al. **Vestn Khir** 1981 Feb;126(2):7–10 (Eng. Abstr.) **(Rus)**

[Pulmonary blood flow in bronchiectasis patients before and after lung resection] Medvenskiĭ BV, et al. **Vestn Khir** 1981 Apr;126(4):17–20 (Eng. Abstr.) **(Rus)**

[Radionuclide scintigraphy of the lungs in the evaluation of the effect of subclavian-pulmonary anastomosis on the distribution of the pulmonary circulation in Fallot's tetralogy] Rizaev MN, et al. **Vestn Khir** 1981 Jun;126(6):3–6 **(Rus)**

[Hemodynamics of the lesser circulation in lung cancer] Sholkhet IaN. **Vopr Onkol** 1980;26(10):16–20 (Eng. Abstr.)

(Rus)

[Hemodynamics of the pulmonary circulation in chronic nonspecific lung diseases] Afanas'ev AV, et al. **Vrach Delo** 1980 Nov;(11):10–2 (Eng. Abstr.) (Rus)

[Zonal rheography of the lungs in siderosilicotuberculosis] Afonin AP. **Vrach Delo** 1981 Aug;(8):69–70 (Rus)

[Pulmonary circulation and external respiratory function in terminal kidney failure] Mal'kov PS, et al. **Vrach Delo** 1980 Jul;(7):70–3 (Eng. Abstr.) (Rus)

[Hemodynamics of the lesser circulation in early stages of hypertension] Monastyrskiĭ IuI, et al. **Vrach Delo** 1981; (4):83–6 (Eng. Abstr.) (Rus)

[The significance of a functional pulmonary veno-arterious shunt in patients wit acute respiratory insufficiency (author's transl)] Pilaš V, et al. **Lijec Vjesn** 1980 Apr; 102(4):202–4 (Eng. Abstr.) (Scr)

[Functional examination of the cardiorespiratory apparatus in scolioses (author's transl)] Steňo M, et al. **Acta Chir Orthop Traumatol Cech** 1980 Dec;47(6):521–6 (Eng. Abstr.) (Slo)

[Arterio-venous oxygen difference for calculations of right-to-left shunts (author's transl)] Redhammer R, et al. **Bratisl Lek Listy** 1980 Nov;74(5):569–77 (Eng. Abstr.) (Slo)

[Intrapulmonary gas exchange and right-left shunt in chronic obstructive lung diseases] Redhammer R, et al. **Vnitr Lek** 1980,26(12):1157–64 (Eng. Abstr.) (Slo)

DRUG EFFECTS

Effect of lanatoside C on right ventricular function and pulmonary circulation in patients with mitral stenosis. Dubiel JP, et al. **Acta Med Pol** 1981;22(1):59–74

Effects of prostaglandin D2 on perinatal circulation. Cassin S, et al. **Am J Physiol** 1981 May;240(5):H755–60

Intravenous infusion of tolazoline reduces pulmonary vascular resistance and net fluid filtration in the lungs of awake, hypoxic newborn lambs. Bressack MA, et al. **Am Rev Respir Dis** 1981 Feb;123(2):217–21

Restoration of pulmonary perfusion by a serotonin antagonist. Kalenda Z, et al. **Angiology** 1981 Jul;32(7):463–75

Effect of prostaglandin E1 on pulmonary circulation in pulmonary atresia. A quantitative morphometric study. Haworth SG, et al. **Br Heart J** 1980 Mar;43(3):306–14

Depression of hypoxic pulmonary vasoconstriction by sodium nitroprusside and nitroglycerine. D'Oliveira M, et al. **Br J Anaesth** 1981 Jan;53(1):11–8

Pulmonary vasodilator responses to catecholamines and sympathetic nerve stimulation in the cat. Evidence that vascular beta-2 adrenoreceptors are innervated. Hyman AL, et al. **Circ Res** 1981 Mar;48(3):407–15

Inhibitors of oxidative ATP production cause transient vasoconstriction and block subsequent pressor responses in rat lungs. Rounds S, et al. **Circ Res** 1981 Mar; 48(3):393–400

Oral prostaglandin E2 in ductus-dependent pulmonary circulation. Silove ED, et al. **Circulation** 1981 Mar; 63(3):682–8

Pulmonary vascular responses to inhalation anaesthesia in isolated dog lungs. Dubikaitis AYu, et al. **Cor Vasa** 1980; 22(5):384–92

Effects of ouabain on pulmonary haemodynamics in patients with hypoxic pulmonary hypertension. Zieliński J, et al. **Cor Vasa** 1980;22(4):288–93

Pulmonary vascular responses to prostaglandins. Kadowitz PJ, et al. **Fed Proc** 1981 May 15;40(7):1991–6

Feline hypoxic pulmonary vasoconstriction is not blocked by the angiotensin I-converting enzyme inhibitor, captopril. Prewitt RL, et al. **J Cardiovasc Pharmacol** 1981 Mar-Apr;3(2):293–8

Role of thromboxane and prostacyclin in pulmonary vasomotor changes after endotoxin in dogs. Hales CA, et al. **J Clin Invest** 1981 Aug;68(2):497–505

Pulmonary vasodilator responses to nitroprusside and nitroglycerin in the dog. Kadowitz PJ, et al. **J Clin Invest** 1981 Mar;67(3):893–902

The pulmonary vascular effects of three prostaglandin I2 analogs in conscious newborn lambs. Lock JE, et al. **J Pharmacol Exp Ther** 1980 Oct;215(1):156–9

Reversal of experimental pulmonary hypertension with sodium nitroprusside. Bixler TJ, et al. **J Thorac Cardiovasc Surg** 1981 Apr;81(4):537–45

Effects of dopamine, ethanol, and mannitol on cardiopulmonary function in patients with adult respiratory distress syndrome. Rhodes GR, et al. **J Thorac Cardiovasc Surg** 1981 Aug;82(2):203–10

Systemic and pulmonary haemodynamic effects of somatostatin [letter] Hallemans R, et al. **Lancet** 1981 Jun 6;1(8232):1270

Effect of thrombolytic therapy on pulmonary-capillary blood volume in patients with pulmonary embolism. Sharma GV, et al. **N Engl J Med** 1980 Oct 9;303(15):842–5

Inhibition of hypoxic pulmonary vasoconstriction by nifedipine. Simonneau G, et al. **N Engl J Med** 1981 Jun 25;304(26):1582–5

Slow-reacting substances (leukotrienes) contract human airway and pulmonary vascular smooth muscle in vitro. Hanna CJ, et al. **Nature** 1981 Mar 26;290(5804):343–4

Effects of indomethacin on fetal rat lungs: a possible cause of persistent fetal circulation (PFC). Harker LC, et al. **Pediatr Res** 1981 Feb;15(2):147–51

Effects of 6-keto-prostaglandin E1 on perinatal pulmonary vascular resistance. Tod ML, et al. **Proc Soc Exp Biol Med** 1981 Jan;166(1):148–52

Control of elevated pulmonary vascular resistance in neonatal swine with prostacyclin (PGI2). Starling MB, et al. **Prostaglandins Med** 1979 Aug;3(2):105–17

Acetylcholine and bradykinin relax intrapulmonary arteries by acting on endothelial cells: role in lung vascular diseases. Chand N, et al. **Science** 1981 Sep 18;213(4514):1376–9

[Effects of almitrine on the pulmonary circulation] Chardon P, et al. **Ann Anesthesiol Fr** 1980;21(5):525–9 (Eng. Abstr.) (Fre)

[Pulmonary edema of toxic origin. Hemodynamic data] Petit P. **Ann Anesthesiol Fr** 1980;21(6):695–8 (Eng. Abstr.) (Fre)

[Effects of dopamine, noradrenaline and isoproterenol on pulmonary circulation in anesthetized dogs] Brusoni B, et al. **Boll Soc Ital Biol Sper** 1979 Sep 15;55(17):1773–9 (Eng. Abstr.) (Ita)

[18,19,20-trinor-17-cyclohexyl-13,14-dehydro PGF 2 alpha methylester as the cause of hypertension in pulmonary circulation] Chiara O, et al. **Boll Soc Ital Biol Sper** 1980 Nov 15;56(21):2228–33 (Eng. Abstr.) (Ita)

[Hemodynamic study of the pulmonary circulation in workers with asbestosis with a varying degree of radiologic evidence of pneumoconiosis] Tomasini M, et al. **Med Lav** 1980 Nov-Dec;71(6):513–21 (Eng. Abstr.) (Ita)

[Effect of consecutive administration of obsidan and novodrin on pulmonary circulation in anesthesized dogs] Gimmel'farb GN, et al. **Kardiologiia** 1981;21(1):93–5 (Eng. Abstr.) (Rus)

[Aerodynamic and circulatory characteristics in the lungs in papain emphysema in dogs] Putov NV, et al. **Patol Fiziol Eksp Ter** 1980;(4):40–4 (Eng. Abstr.) (Rus)

[Effect of asthmopent on the hemodynamics of the greater and lesser circulations in chronic cor pulmonale] Dotsenko NIa. **Vrach Delo** 1980 Jul;(7):40–2 (Eng. Abstr.) (Rus)

[Effect of blocking receptors mediating histamine H2 in human pulmonary circulation] Lupi Herrera E, et al. **Arch Inst Cardiol Mex** 1980 Jan-Feb;50(1):65–8 (Eng. Abstr.) (Spa)

PULMONARY COIN LESION see **COIN LESION, PULMONARY**

PULMONARY DIFFUSING CAPACITY

Standardized single breath normal values for carbon monoxide diffusing capacity. Crapo RO, et al. **Am Rev Respir Dis** 1981 Feb;123(2):185–9

Pulmonary diffusing capacity in chronic renal failure. Forman JW, et al. **Br J Dis Chest** 1981 Jan;75(1):81–7

Clinical significance of the ratio between breath-holding and steady-state diffusing capacity in patients with chronic bronchitis and diffuse lung fibrosis. Kanaev NN, et al. **Bull Eur Physiopathol Respir** 1980 Jul-Aug;16(4):511–9

Distribution of diffusion capacity [letter] Wagner PD. **Bull Eur Physiopathol Respir** 1980;16(2):151p–2p

Clinical significance of pulmonary function tests. Use and interpretation of the single-breath diffusing capacity. Weinberger SE, et al. **Chest** 1980 Sep;78(3):483–8

Diffusing capacity in alcoholics [letter] Williams AJ, et al. **Chest** 1981 Jan;79(1):123

Serial estimations of carbon monoxide diffusing capacity in intrapulmonary haemorrhage. Greening AP, et al. **Clin Sci** 1981 May;60(5):507–12

Lipid infusion in critically ill patients. Acute effects on hemodynamics and pulmonary gas exchange. Järnberg PO, et al. **Crit Care Med** 1981 Jan;9(1):27–31

Diffusing capacity of the lung during hypoxia: role of capillary recruitment. Capen RL, et al. **J Appl Physiol** 1981 Jan;50(1):165–71

Reflection spectrophotometric measurement of O2 uptake in pulmonary arterioles of cats. Conhaim RL, et al. **J Appl Physiol** 1980 May;48(5):848–56

Effects of red blood cell HCO3(-)/Cl- exchange kinetics on lung CO2 transfer: theory. Crandall ED, et al. **J Appl Physiol** 1981 Feb;50(2):265–71

Distribution of vesicles in cells of air-blood barrier in the rabbit. Gil J, et al. **J Appl Physiol** 1981 Feb;50(2):334–40

Hypoxemia and pulmonary gas exchange during hemodialysis. Patterson RW, et al. **J Appl Physiol** 1981 Feb;50(2):259–64

Competitive inhibition of carbon monoxide transport: evidence against a carrier. Rubin DZ, et al. **J Appl Physiol** 1981 May;50(5):1061–4

Hindrance to diffusive gas mixing in the lung in hyperbaric environments. Van Liew HD, et al. **J Appl Physiol** 1981 Aug;51(2):243–7

The effect of obesity on the single breath pulmonary diffusing capacity: a new equation for predicting normal values in obese and non-obese subjects. Dinakara Na Ayudhya P, et al. **J Med Assoc Thai** 1980 Aug;63(8):463–71

Allometric analysis of the morphometric pulmonary diffusing capacity in dogs. Gehr P, et al. **J Morphol** 1981 Apr; 168(1):5–15

Alveolar-arterial PCO2 differences and diffusion limitation. Mertens P. **Lung** 1981;159(2):101–8

Influence of hemoglobin concentration on lung diffusing capacity for CO at high altitude. Pasquis P, et al. **Lung** 1981;159(2):109–12

A new method for noninvasive bedside determination of pulmonary blood flow. Gedeon A, et al. **Med Biol Eng Comput** 1980 Jul;18(4):411–8

Comparison of lung diffusing capacity during rebreathing and during slow exhalation. Felton C, et al. **Respir Physiol** 1981 Jan;43(1):13–22

Morphometric estimation of pulmonary diffusion capacity in two horse lungs. Gehr P, et al. **Respir Physiol** 1980 Aug; 41(2):199–210

Design of the mammalian respiratory system. V. Scaling morphometric pulmonary diffusing capacity to body mass: wild and domestic mammals. Gehr P, et al. **Respir Physiol** 1981 Apr;44(1):61–86

Alveolar-capillary equilibration kinetics of 13CO2 in human lungs studied by rebreathing. Piiper J, et al. **Respir Physiol** 1980 Oct;42(1):29–41

Comparison of steady state pulmonary diffusing capacity estimates for O2 and CO in dogs. Savoy J, et al. **Respir Physiol** 1980 Oct;42(1):43–59

Design of the mammalian respiratory system. IV Morphometric estimation of pulmonary diffusing capacity; critical evaluation of new sampling method. Weibel ER, et al. **Respir Physiol** 1981 Apr;44(1):39–59

Pulmonary diffusing capacity and its components (DM and Vc) in young, healthy smokers. Bosisio E, et al. **Respiration** 1980;40(6):307–10

Significance of carbon monoxide pulmonary partial ductances and transbronchial lung biopsies during evolution of interstitial lung diseases. Muir JF, et al. **Respiration** 1980;40(2):65–8

Membrane diffusing capacity and pulmonary capillary volume in rheumatoid disease. Hills EA, et al. **Thorax** 1980 Nov;35(11):851–5

[Determination of diffusing capacity in 66 cases of chronic bronchitis (author's transl)] Liu ZY. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1979;2(3):149–52 (Chi)

[Gas exchange during physical exercise in disturbed ventilatory function] Feitová S, et al. **Vnitr Lek** 1981 May; 27(5):440–8 (Eng. Abstr.) (Cze)

[Uptake of oxygen in the lung: a program for the microcomputer] Duvelleroy M. **Anesth Analg (Paris)** 1981; 38(3-4):155–9 (Eng. Abstr.) (Fre)

[Kinetic constants of the speed of intrapulmonary diffusion of helium in normal subjects and bronchopneumopathy patients] Rambaldi M, et al. **Bronchopneumologie** 1980 Sep-Oct;30(5):413–23 (Fre)

[Alveolo-capillary diffusion capacity for carbon monoxide in mitral stenosis] Facchin L, et al. **Minerva Cardioangiol** 1980 Jun;28(6):429–36 (Eng. Abstr.) (Ita)

[Hyperbaric oxygen and the lung. Pulmonary diffusion in divers with intense and long-term exposure] Viotti G, et al. **Minerva Med** 1981 May 31;72(22):1391–4 (Eng. Abstr.) (Ita)

[Pulmonary perfusion in children operated on for congenital diaphragmatic hernia] Bona G, et al. **Minerva Pediatr** 1981 Jan 15;33(1):23–30 (Eng. Abstr.) (Ita)

[Significance of the changes in pulmonary diffusing capacity and its components in evaluating initial respiratory disorders in chronic non-obstructive bronchitis] Laskin GM, et al. **Ter Arkh** 1981;53(3):91–6 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Pulmonary dysfunction in cocaine smokers. Weiss RD, et al. **Am J Psychiatry** 1981 Aug;138(8):1110–2

Alcohol and the diffusing capacity [letter] Addison TE, et al. **Chest** 1981 Jul;80(1):120

Intrapulmonary gas mixing in man during infusion of isoproterenol studied by simultaneous wash-out of He and SF6. Worth H, et al. **Lung** 1980;158(4):241–50

A comparison of the effects of paraquat and diquat on lung compliance, lung volumes and single breath diffusing capacity in the rat. Lam HF, et al. **Toxicology** 1980; 18(2):111–23

PULMONARY DISEASES see **LUNG DISEASES**

PULMONARY EDEMA

BLOOD

[Pulmonary edema and plasma osmotic pressure] Deszkiewicz A. **Pol Tyg Lek** 1981 Mar 23;36(12):453–6 (35 ref.) (Pol)

CHEMICALLY INDUCED

Maternal pulmonary edema occurring after therapy with ritodrine for premature uterine contractions. Abramovici H, et al. **Acta Obstet Gynecol Scand** 1980;59(6):555

Pulmonary edema after ritodrine infusion for premature labor in a patient with mitral valve disease. Reichman J, et al. **Acta Obstet Gynecol Scand** 1981;60(1):87–8

Ara-C lung: noncardiogenic pulmonary edema complicating cytosine arabinoside therapy of leukemia. Haupt HM, et al. **Am J Med** 1981 Feb;70(2):256–61

Cardiovascular complications associated with terbutaline treatment for preterm labor. Katz M, et al. **Am J Obstet Gynecol** 1981 Mar 1;139(5):605–8

Contraindications for mannitol in aphakic glaucoma. Grabie MT, et al. **Am J Ophthalmol** 1981 Feb;91(2):265–7

Pulmonary edema in infants: possible association with association with intramuscular succinylcholine. Cook DR,

et al. **Anesth Analg (Cleve)** 1981 Apr;60(4):220–3
Pulmonary edema during beta-2-tocolytic therapy [letter] Wheeler AS, et al. **Anesth Analg (Cleve)** 1981 Sep; 60(9):695–6
Fatal pulmonary edema following intravenous 'freebase' cocaine use. Allred RJ, et al. **Ann Emerg Med** 1981 Aug; 10(8):441–2
Pulmonary oedema precipitated by nifedipine. Gillmer DJ, et al. **Br Med J** 1980 Jun 14;280(6229):1420–1
Noncardiogenic pulmonary edema associated with hydrochlorothiazide therapy. Dorn MR, et al. **Chest** 1981 Apr;79(4):482–3
Pulmonary oedema following treatment with ritodrine and betamethasone in preterm labour. Niebuhr-Jørgensen U. **Dan Med Bull** 1980 Apr;27(2):99–100
The renin-angiotensin-aldosterone system, antidiuretic hormone levels and water balance under tocolytic therapy with Fenoterol and Verapamil. Grospietsch G, et al. **Int J Gynaecol Obstet** 1980 May-Jun;17(6):590–5
Development of pulmonary edema related to heparin administration. Ahmed SS, et al. **J Clin Pharmacol** 1981 Feb-Mar;21(2):126–8
Delayed onset of pulmonary oedema following accidental exposure to ethyl chloroformate. Bowra GT. **J Soc Occup Med** 1981 Apr;31(2):67–8
Pulmonary edema following ritodrine-saline infusion in premature labor. Philipsen T, et al. **Obstet Gynecol** 1981 Sep;58(3):304–8
Pulmonary edema in infants who receive contrast material. Berdon WE. **Radiology** 1981 May;139(2):507
Pulmonary edema in infants following injection of contrast media for urography. Wood BP, et al. **Radiology** 1981 May; 139(2):377–9
Pulmonary edema in infants who receive contrast material for urograms [letter] Wood BP, et al. **Radiology** 1981 May; 139(2):508
The effect of age on the ozone-induced pulmonary edema and tolerance in rats. Nambu Z, et al. **Sangyo Igaku** 1981 Mar;23(2):146–50
[Pulmonary edema associated with ritodrine therapy] Birch CD. **Ugeskr Laeger** 1980 Aug;142(34):2194–5 (Eng. Abstr.) **(Dan)**
[Acute pulmonary oedema related to the administration of mannitol. Two cases (author's transl)] Hartemann E, et al. **Ann Pediatr (Paris)** 1981 Mar;28(3):209–13 (Eng. Abstr.) **(Fre)**
[Normobaric oxygen toxicity in the adult rat lung: evidence for a non hypoxaemic pulmonary oedema (author's transl)] Charbonneau P, et al. **Bull Eur Physiopathol Respir** 1981; 17 Suppl:117–27 (Eng. Abstr.) **(Fre)**
[Pulmonary oedema as a complication of tocolytic therapy (author's transl)] Curtius JM, et al. **Dtsch Med Wochenschr** 1980 Sep 19;105(38):1320–4 (Eng. Abstr.) **(Ger)**
[Method for measuring physiological changes under fenoterol and verapamil. An experimental study on the origin of pulmonary oedema under tocolysis. I (author's transl)] Pfeiffer U, et al. **Z Geburtshilfe Perinatol** 1980 Apr; 184(2):94–100 (Eng. Abstr.) **(Ger)**
[Respiratory and circulatory parameters under fenoterol and verapamil. An experimental study on the origin of pulmonary oedema under tocolysis. II (author's transl)] Strigl R, et al. **Z Geburtshilfe Perinatol** 1980 Apr; 184(2):110–8 (Eng. Abstr.) **(Ger)**
[Liquid shifts in the lung under fenoterol and verapamil. Experimental study on the origin of pulmonary oedema under tocolysis. III (author's transl)] Strigl R, et al. **Z Geburtshilfe Perinatol** 1980 Apr;184(2):101–9 (Eng. Abstr.) **(Ger)**
[Hypertensive crisis caused by oral administration of sulpiride] Licata G, et al. **Minerva Cardioangiol** 1981 May; 29(5):237–9 (Eng. Abstr.) **(Ita)**
[Pulmonary edema following intravenous heroin (letter)] Pigrau Serrallach C, et al. **Med Clin (Barc)** 1981 Mar 25; 76(6):280–1 **(Spa)**

COMPLICATIONS

Lung water changes after thermal injury. The effects of crystalloid resuscitation and sepsis. Tranbaugh RF, et al. **Ann Surg** 1980;192(4):479–90
Fulminating noncardiogenic pulmonary edema. A newly recognized hazard during cardiac operations. Culliford AT, et al. **J Thorac Cardiovasc Surg** 1980 Dec;80(6):868–75
[Pulmonary edema and hyaline membranes] Aliperta A, et al. **Bronchopneumologie** 1980 Mar-Apr;30(2):159–62 **(Fre)**

DIAGNOSIS

Clinical measurement of lung water content [editorial] Staub NC, et al. **Chest** 1981 Jan;79(1):3–4
Pulmonary edema. Chinard FP. **Compr Ther** 1981 Jun; 7(6):49–60
The use of radioisotopes to measure regional lung water. MacArthur CG. **Cor Vasa** 1980;22(4):300–4
Noninvasive measurement of pulmonary transvascular protein flux in normal man. Gorin AB, et al. **J Clin Invest** 1980 Nov;66(5):869–77
Noncardiogenic pulmonary edema and invasive cardiovascular monitoring. Keefer JR, et al. **Obstet Gynecol** 1981 Jul;58(1):46–51
[Assessment of pulmonary edema in death from ethyl alcohol poisoning and ischemic heart disease] Osipov AI, et al. **Sud Med Ekspert** 1981 Jan-Mar;24(1):28–31 **(Rus)**
[Differential diagnosis of pneumonia and uremia pulmonary edema in patients with chronic renal failure] Sholkhet IN, et al. **Ter Arkh** 1981;53(3):25–7 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Effect of methylprednisolone on experimental noncardiogenic pulmonary edema. Kopecky SL, et al. **Intensive Care Med** 1981 Apr;7(3):121–4
Failure of indomethacin to prevent or ameliorate oleic acid pulmonary edema in the dog. Pace NL, et al. **Prostaglandins Med** 1980 Aug;5(2):101–11
[Antiexudative effect of naringin in experimental pulmonary edema and peritonitis] Lambev I, et al. **Eksp Med Morfol** 1980;19(4):207–12 (Eng. Abstr.) **(Bul)**
[In treatment of acute pulmonary edema with anisodamine hydrochloride (654-2): report of 30 cases (author's transl)] Zhou YJ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1979;2(4):211–2 **(Chi)**
[List of prescriptions for therapy of acute pulmonary edema] Fanelli V. **Clin Ter** 1980 Oct 31;95(2):215–7 **(Ita)**
[Treatment of pulmonary edema by intravenous infusion of nitroglycerin] Alexandrowicz A. **Kardiol Pol** 1980; 23(6):461–5 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Pulmonary edema following intravenous urography. Case report. Vincken WG. **Acta Clin Belg** 1980;35(2):110–3
Increased pulmonary vascular permeability after bone marrow injection in sheep. Barie PS, et al. **Am Rev Respir Dis** 1981 Jun;123(6):648–53
Focal pulmonary edema after massive pulmonary embolism. Hyers TM, et al. **Am Rev Respir Dis** 1981 Feb;123(2):232–3
Pulmonary oedema due to respiratory obstruction [letter] Cass N. **Anaesth Intensive Care** 1981 Feb;9(1):78–9
Reactions to Althesin in dogs [letter] Denton TG, et al. **Anaesthesia** 1980 Jun;35(6):615–6
Amphetamine abuse and obstetrical anesthesia [letter] Smith DS, et al. **Anesth Analg (Cleve)** 1980 Sep;59(9):710–1
Pulmonary edema and iododerma induced by potassium iodide in the treatment of asthma. Huang TY, et al. **Ann Allergy** 1981 May;46(5):264–6
Neurogenic pulmonary edema in unexpected, unexplained death of epileptic patients. Terrence CF, et al. **Ann Neurol** 1981 May;9(5):458–64
Hemodynamics of LeVeen shunt pulmonary edema. Darsee JR, et al. **Ann Surg** 1981 Aug;194(2):189–92
Pulmonary edema due to increased microvascular permeability. Staub NC. **Annu Rev Med** 1981;32:291–312 (170 ref.)
Cardiopulmonary dynamics in a severe case of Rocky Mountain spotted fever. Lankford HV, et al. **Arch Intern Med** 1980 Oct;140(10):1357–9
Pulmonary edema [letter] Swart SS, et al. **Arch Intern Med** 1981 Sep;141(10):1388
Lung fluid balance in hypoxic, awake newborn lambs and mature sheep. Bland RD, et al. **Biol Neonate** 1980; 38(5-6):221–8
Pulmonary oedema after transfusion with fresh frozen plasma [letter] Davidson JC. **Br Med J [Clin Res]** 1981 Mar 7; 282(6266):823
Pulmonary oedema after transfusion with fresh frozen plasma. O'Connor PC, et al. **Br Med J [Clin Res]** 1981 Jan 31;282(6261):379–80
Pulmonary oedema after transfusion with fresh frozen plasma [letter] Wyld PJ, et al. **Br Med J [Clin Res]** 1981 Mar 28; 282(6269):1073–4
Carbon monoxide effect on alveolar epithelial permeability. Fein A, et al. **Chest** 1980 Nov;78(5):726–31
Laryngospasm-induced pulmonary edema. Jackson FN, et al. **Chest** 1980 Dec;78(6):819–21
Centrogenic pulmonary hemorrhagic edema induced by cerebral compression in rats. Mechanism of volume and pressure loading in the pulmonary circulation. Chen HI, et al. **Circ Res** 1980 Sep;47(3):366–73
Effect of hypoproteinemia on pulmonary and soft tissue edema formation. Harms BA, et al. **Crit Care Med** 1981 Jul;9(7):503–8
Fatal fulminant postoperative pulmonary edema: an unusual cause of second-trimester maternal mortality. Erling MA, et al. **Diagn Gynecol Obstet** 1980 Fall;2(3):209–12
Unilateral pulmonary edema following spontaneous pneumothorax. Kassis E, et al. **Eur J Respir Dis** 1981 Apr; 62(2):102–6
Acute pulmonary edema following scorpion sting. Verma SK, et al. **Indian J Chest Dis Allied Sci** 1981 Jan-Mar; 23(1):40–32
Hyperkalemia induced E.C.B. abnormalities and pulmonary edema: its improvement on hemodialysis. Handa SP. **Indian J Med Sci** 1980 Apr;34(4):86–90
Effect of pulmonary artery occlusion and reperfusion on extravascular fluid accumulation. Barie PS, et al. **J Appl Physiol** 1981 Jan;50(1):102–6
Interactions between permeability and hydrostatic pressure in perfused dogs' lungs. Huchon GJ, et al. **J Appl Physiol** 1981 Apr;50(4):905–11
Increasing intracranial pressure with air causes air embolism, not neurogenic pulmonary edema. Luce JM, et al. **J Appl Physiol** 1981 May;50(5):967–70
Bradykinin production and increased pulmonary endothelial permeability during acute respiratory failure in unanesthetized sheep. O'Brodovich HM, et al. **J Clin Invest** 1981 Feb;67(2):514–22
Unilateral pulmonary edema in Swyer-James syndrome. Bhaskar G, et al. **J Kans Med Soc** 1980 Oct;81(10):467–8
An overview of neurogenic pulmonary edema. Neumann D, et al. **J Neurosurg Nurs** 1980 Dec;12(4):206–9
Pulmonary shunting during leukoagglutinin-induced noncardiac pulmonary edema. Dubois M, et al. **JAMA** 1980 Nov 14;244(19):2186–9
Of lungs and leukocytes [editorial] Hammerschmidt DE. **JAMA** 1980 Nov 14;244(19):2199–200
Severe lung oedema and fatal consumption coagulopathy after funnel-web bite. Torda TA, et al. **Med J Aust** 1980 Oct 18;2(8):442–4
Unilateral pulmonary oedema and Pseudomonas pneumonia. Uppington J, et al. **Postgrad Med J** 1980 Sep;56(659):677–8
Effect of lung denervation on development of pulmonary edema. Grauer SE, et al. **Surgery** 1981 May;89(5):617–21
Can you diagnose this? Reexpansion pulmonary edema. Johnstone W. **Va Med** 1980 Nov;107(11):791–2
[Noncardiogenic pulmonary edema (author's transl)] Rao WH. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1979;2(4):243–6 **(Chi)**
[Acute pulmonary oedema associated with upper airway obstruction in a newborn infant (author's transl)] Daron B, et al. **Arch Fr Pediatr** 1980 Aug-Sep;37(7):451–4 (Eng. Abstr.) **(Fre)**
[Acute pulmonary edema and upper airway obstruction (letter)] Lesbros D, et al. **Arch Fr Pediatr** 1981 Mar; 38(3):212 **(Fre)**
[Report of the 28th Congress of the International Broncho-Pneumology Association, Bruges, 16-19 May 1979. Etiopathogenesis of pulmonary edema] **Bronchopneumologie** 1980 Mar-Apr;30(2):83–162 **(Fre)**
[Uremic pulmonary edema. Apropos of 2 cases] Chevalier JP, et al. **Bronchopneumologie** 1980 Mar-Apr;30(2):145–58 **(Fre)**
[Etiopathogenesis of lesional pulmonary edemas] De Coster A, et al. **Bronchopneumologie** 1980 Mar-Apr;30(2):83–97 **(Fre)**
[Unilateral pulmonary edema, pneumopericardium and bronchial cancer (author's transl)] Grenier P, et al. **J Radiol** 1980 Nov;61(11):729–31 (Eng. Abstr.) **(Fre)**
[Pulmonary edema during anaphylactic shock. A case (letter)] Journe B, et al. **Nouv Presse Med** 1980 Oct 11; 9(37):2744 **(Fre)**
[Acute pulmonary edema caused by carbon monoxide poisoning (letter)] Labrousse J, et al. **Nouv Presse Med** 1979 Jan 27;8(5):364 **(Fre)**
[Mechanisms of acute pulmonary edema during meningococcal shock in children (author;s transl)] Kahn A, et al. **Pathol Biol (Paris)** 1981 May;29(5):273–7 (Eng. Abstr.) **(Fre)**
[Pulmonary oedema following surgical removal of a phaeochromocytoma (author's transl)] Steinhoff H, et al. **Anaesth Intensivther Notfallmed** 1981 Feb;16(1):43–6 (Eng. Abstr.) **(Ger)**
[Acute pulmonary edema as a rare complication of protein deficiency after proctocolectomy for ulcerative colitis] Wirsching R, et al. **Chirurg** 1980 Oct;51(10):661–3 **(Ger)**
[Shock-induced respiratory insufficiency (clinical aspects, pathology ultrastructure and morphometry)] Riede UN, et al. **Gegenbaurs Morphol Jahrb** 1980;126(3):360–8 (Eng. Abstr.) **(Ger)**
[Hemorrhagic pulmonary edema and cardiac failure following isolated head injury. Treatment with dobutamine and nitroglycerin (author's transl)] Schranz D, et al. **Monatsschr Kinderheilkd** 1981 Apr;129(4):248–50 (Eng. Abstr.) **(Ger)**
[Severe cardiac involvement due to scorpion sting] Bishara N, et al. **Harefuah** 1980 Mar 2;98(5):221–2 (Eng. Abstr.) **(Heb)**
[Pulmonary edema in the course of fluorescence angiography. Introductory note] Miele G, et al. **Minerva Anestesiol** 1979 Mar;45(3):147–9 (Eng. Abstr.) **(Ita)**
[Pulmonary edema in sepsis of non-pulmonary origin] Pierri A, et al. **Minerva Anestesiol** 1979 Mar;45(3):117–21 (Eng. Abstr.) **(Ita)**
[Successful delayed closure of the median sternotomy wound experienced in an infant with total correction of total anomalous pulmonary venous return (author's transl)] Hanada S, et al. **Kyobu Geka** 1980;33(7):517–9 (Eng. Abstr.) **(Jpn)**
[Acute pulmonary edema following rupture of intracranial aneurysm (author's transl)] Kin H, et al. **Neurol Med Chir (Tokyo)** 1981 Mar;21(3):313–20 (Eng. Abstr.) **(Jpn)**
[Effect of decreased plasma colloid osmotic pressure on lung lymph flow (author's transl)] Nagashima A, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 May; 18(5):322–8 (Eng. Abstr.) **(Jpn)**
[Reversible permeability pulmonary edema induced by continuous air embolization in unanesthetized sheep (author's transl)] Ohkuda K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Jan;19(1):3–10 (Eng. Abstr.) **(Jpn)**
[Neurogenic pulmonary edema following severe head injury--case report (author's transl)] Shigemori M, et al. **No Shinkei Geka** 1981;9(3):331–5 (Eng. Abstr.) **(Jpn)**
[Effect of the transpulmonary pressure on the occurrence

and dynamics of edema in the isolated lung] Barinov EF, et al. **Anesteziol Reanimatol** 1980 Nov-Dec;(6):13-5 (Eng. Abstr.) **(Rus)**

[Acute neurogenic pulmonary edema] Haberbeck MA. **Acta Neurol Latinoam** 1979;25(3-4):301-6 (Eng. Abstr.) **(Spa)**

[Pulmonary edema associated with Pseudomonas neonatal sepsis (author's transl)] Krauel J, et al. **An Esp Pediatr** 1980 Nov;13(11):965-70 (Eng. Abstr.) **(Spa)**

[Severe medical sequelae in heroin addicts] Ortega Carnicer J, et al. **Med Clin (Barc)** 1981 Mar 10;76(5):206-10 (Eng. Abstr.) **(Spa)**

[Acute unilateral pulmonary edema in patients with chronic renal insufficiency] Anaya F, et al. **Rev Clin Esp** 1981 Feb 28;160(4):255-9 **(Spa)**

METABOLISM

Effect of alpha naphthylthiourea on uptake of 5-hydroxytryptamine from the pulmonary circulation. Block ER, et al. **Am Rev Respir Dis** 1981 Jan;123(1):69-73

Transvascular albumin flux and the interstitial water volume in experimental pulmonary oedema in dogs. Prichard JS, et al. **Clin Sci** 1980 Aug;59(2):105-13

Plasma protein and pulmonary oedema [editorial] **Lancet** 1980 Nov 8;2(8202):1012

Alteration of rat lung adenine nucleotide content after pulmonary edema. Postlethwait EM, et al. **Lung** 1980; 158(3):157-64

[Recent topics in pulmonary edema (author's transl)] Inoue H, et al. **Kokyu To Junkan** 1980 May;28(5):452-61 (40 ref.) **(Jpn)**

[Humoral mechanisms in the pathogenesis of pulmonary edema] Serebrovskaia IA, et al. **Fiziol Zh** 1981 Mar-Apr; 27(2):212-8 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

The effect of intraalveolar fluid on lung bacterial clearance. Harris GD, et al. **Lung** 1980;158(2):91-100

MORTALITY

[Long-term prognosis of cardiac pulmonary edema] Lehmann HU, et al. **Med Klin** 1981 Jan 16;76(2):48-51 (Eng. Abstr.) **(Ger)**

PATHOLOGY

Ultrastructural changes in type I and type II alveolar epithelial cells in isolated perfused dog lungs after production of moderate and severe hydrostatic edema. DeFouw DO. **Am J Anat** 1980 Jul;158(3):355-64

Anatomic pathway of fluid leakage in fluid-overload pulmonary edema in mice. Yoneda K. **Am J Pathol** 1980 Oct;101(1):7-16

Radiological-pathological correlations in pulmonary disease: a simplified method for the study of post-mortem lungs. Langlois SL, et al. **Australas Radiol** 1980 Nov;24(3):262-9

Ultrastructural changes in the non-cardiogenic pulmonary oedema. Marsico SA, et al. **Bronchopneumologie** 1980 Mar-Apr;30(2):111-29 (74 ref.)

[A case of high altitude pulmonary edema (author's transl)] Fukushima M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Oct; 18(10):753-7 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Speculations on the pathogenesis of high-altitude pulmonary edema. Grover RF. **Adv Cardiol** 1980;27:1-5

Participation of regional sympathetic outflows in the centrogenic pulmonary pathology. Chen HI, et al. **Am J Physiol** 1981 Jan;240(1):H109-15

Positive end-expiratory pressure (PEEP) does not depress left ventricular function in patients with pulmonary edema. Calvin JE, et al. **Am Rev Respir Dis** 1981 Aug;124(2):121-8

Measurements of airway edema in allergic bronchoconstriction in the guinea pig. Jeffries E, et al. **Am Rev Respir Dis** 1981 Jun;123(6):687-8

Effect of acute pancreatitis on pulmonary transvascular fluid and protein exchange. Lee BC, et al. **Am Rev Respir Dis** 1981 Jun;123(6):618-21

Pulmonary gas exchange effects of nitroglycerin in canine edematous lungs. Colley PS, et al. **Anesthesiology** 1981 Aug;55(2):114-9

Absence of clinical pulmonary edema despite elevated wedge pressures. Anderson FL, et al. **Arch Intern Med** 1981 Aug; 141(9):1207-9

The efffect of sustained +Gz acceleration on extravascular lung water content in domestic fowl. Weidner WJ, et al. **Aviat Space Environ Med** 1980 Jun;51(6):579-82

Pulmonary oedema without critical increase in left atrial pressure in acute myocardial infarction. Timmis AD, et al. **Br Med J [Clin Res]** 1981 Sep 5;283(6292):636-8

Edema fluid and coagulation changes during fulminant pulmonary edema. Carlson RW, et al. **Chest** 1981 Jan; 79(1):43-9

Regional edema formation in isolated perfused dog lungs. Hales CA, et al. **Circ Res** 1981 Jan;48(1):121-7

Pulmonary oedema. Butler J. **Clin Sci** 1981 Jan;60(1):1-4 (14 ref.)

Changes in lung volume, perfusion, ventilation and airway diameter in dogs with pulmonary eodema. Snashall PD, et al. **Clin Sci** 1980 Aug;59(2):93-103

Effect of PEEP on lung water content in experimental noncardiogenic pulmonary edema. Miller WC, et al. **Crit Care Med** 1981 Jan;9(1):7-9

Comparison of measured and calculated colloid osmotic pressure of serum and pulmonary edema fluid in patients with pulmonary edema. Sprung CL, et al. **Crit Care Med** 1980 Nov;8(11):613-5

Hemodynamic responses to different modes of mechanical ventilation in dogs with normal and acid aspirated lungs. Venus B, et al. **Crit Care Med** 1980 Nov;8(11):620-7

Lung inflation can cause pulmonary edema in zone I of in situ dog lungs. Albert RK, et al. **J Appl Physiol** 1980 Nov; 49(5):815-9

Oleic acid dose-related edema in isolated canine lung perfused at constant pressure. Ehrhart IC, et al. **J Appl Physiol** 1981 Jun;50(6):1115-20

Effects of pulmonary edema on regional pulmonary perfusion in the intact dog lung. Malik AB, et al. **J Appl Physiol** 1980 Nov;49(5):834-40

Pulmonary microvascular clearance of radiotracers in human cardiac and noncardiac pulmonary edema. Sibbald WJ, et al. **J Appl Physiol** 1981 Jun;50(6):1337-47

Experimental neurogenic pulmonary edema Part 2: The role of cardiopulmonary pressure change. Garcia-Uria J, et al. **J Neurosurg** 1981 May;54(5):632-6

Experimental neurogenic pulmonary edema. Part 1: The role of systemic hypertension. Hoff JT, et al. **J Neurosurg** 1981 May;54(5):627-31

Sepsis reduces the threshold hydrostatic pressure necessary for pulmonary edema in baboons. Kohler JP, et al. **J Surg Res** 1981 Feb;30(2):129-34

Numerical simulation of the transient transport of inert gases in lung tissue. Borovetz HS, et al. **Phys Med Biol** 1981 May;26(3):401-11

Indomethacin inhibition of intralipid-induced lung dysfunction. Inwood RJ, et al. **Prostaglandins Med** 1981 May;6(5):503-14

[Pulmonary edema of toxic origin. Hemodynamic data] Petit P. **Ann Anesthesiol Fr** 1980;21(6):695-8 (Eng. Abstr.) **(Fre)**

[Physiopathology of 'lesional' pulmonary edema (a review)] Enrico JF. **Bronchopneumologie** 1980 Mar-Apr; 30(2):98-110 (20 ref.) **(Fre)**

[The basic physiopathology of pulmonary edema (preliminary note)] Marsico SA, et al. **Arch Monaldi** 1979 May-Jun;34(3):91-123 (112 ref.) **(Ita)**

[Permeability changes in pulmonary edema induced by pulmonary embolization and mitral stenosis (author's transl)] Ohkuda K, et al. **Kokyu To Junkan** 1980;28(7):743-8 (Eng. Abstr.) **(Jpn)**

[The pathophysiology of pulmonary edema. Some new views] Hauge A, et al. **Tidsskr Nor Laegeforen** 1981 Feb 20;101(5):334-6 (Eng. Abstr.) **(Nor)**

[Hypervolemic redistribution mechanism in pulmonary edema in patients with isolated left ventricular failure] Shteingardt IuN, et al. **Kardiologiia** 1981 Apr;21(4):33-8 (Eng. Abstr.) **(Rus)**

[Effect of temporary occlusion of the inferior vena cava on the course of hemodynamic pulmonary edema in dogs] Urakov AL. **Kardiologiia** 1981;21(1):108-9 **(Rus)**

PREVENTION & CONTROL

Lung water accumulation with and without left ventricular venting during cardiopulmonary bypass. Jara FM, et al. **Eur Surg Res** 1980;12(5):363-8

Role of albumin in prevention of edema in perfused rabbit lungs. Chang RS, et al. **J Appl Physiol** 1981 May; 50(5):1065-70

Effect of endotoxin on thiourea induced pulmonary edema and pleural effusion. Hollinger MA, et al. **Res Commun Chem Pathol Pharmacol** 1981 Feb; 31(2):217-22

[Comparative evaluation of the protective effect of furantril and bloodletting in experimental pulmonary edema] Marin I. **Eksp Med Morfol** 1980;19(4):228-32 (Eng. Abstr.) **(Bul)**

[Possibilities for using peripheral vasodilator agents in cardiac asthma and threatened pulmonary edema] Mukharliamov NM, et al. **Ter Arkh** 1980;52(10):70-2 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

The radiographic detection of acute pulmonary oedema. A comparison of radiographic appearances, densitometry and lung water in dogs. Snashall PD, et al. **Br J Radiol** 1981 Apr;54(640):277-88

Measuring pulmonary vascular congestion with quantitative radiographic indexes from digitized images. Revesz G, et al. **Radiology** 1981 Feb;138(2):473-6

Thickening of the posterior wall of the bronchus intermedius. A sign on lateral radiographs of congestive heart failure, lymph node enlargement, and neoplastic infiltration. Schnur MJ, et al. **Radiology** 1981 Jun;139(3):551-9

[Butterfly wing-like pulmonary edema] Bonifacio A, et al. **Arch Monaldi** 1979;34(5-6):326-8 **(Ita)**

[Unilateral alveolar effusions (author's transl)] Vidal B, et al. **Radiol Med (Torino)** 1979 Dec;65(12):885-9 (Eng. Abstr.) **(Ita)**

[Unilateral pulmonary edema in acute left ventricular insufficiency] Kitaeva IT, et al. **Vestn Rentgenol Radiol** 1981 Jan-Feb;(1):41-5 (Eng. Abstr.) **(Rus)**

[Changes in the lungs and heart in glomerulonephritis according to x-ray study data] Kamenetskii MS, et al. **Vrach Delo** 1981 Aug;(8):83-5 **(Rus)**

RADIONUCLIDE IMAGING

[Lung uptake of thallium-201 on resting myocardial imaging in assessment of pulmonary edema (author's transl)] Tamaki N, et al. **Kaku Igaku** 1981 Mar;18(2):159-66 (Eng. Abstr.) **(Jpn)**

THERAPY

Treatment of acute low pressure pulmonary edema in dogs: relative effects of hydrostatic and oncotic pressure, nitroprusside, and positive end-expiratory pressure. Prewitt RM, et al. **J Clin Invest** 1981 Feb;67(2):409-18

Albumin and pulmonary oedema [letter] Crawford RJ, et al. **Lancet** 1980 Dec 20-27;2(8208-8209):1373

The effect of increasing end-expiratory pressure on extravascular lung water. Peitzman AB, et al. **Surgery** 1981 Sep;90(3):439-45

[Pulmonary edema from inhalation of gas and vapors (detailed plan)] Huguenard P, et al. **Ann Anesthesiol Fr** 1980;21(6):717-9 **(Fre)**

[Acute therapy of non-cardial pulmonary edemas. General measurements] Beck OA, et al. **Dtsch Med Wochenschr** 1980 Jul 4;105(27):945-6 **(Ger)**

[Acute therapy of non-cardial pulmonary edemas. Special procedures] Beck OA, et al. **Dtsch Med Wochenschr** 1980 Jul 11;105(28):979-81 **(Ger)**

VETERINARY

Complications of saffan anaesthesia in cats. Harding RB. **Vet Rec** 1980 Dec 6;107(23):542

PULMONARY EMBOLISM

Pulmonary embolism diagnosis and treatment. Wilson JE 3d. **Clin Notes Respir Dis** 1981 Summer;20(1):3-11 (123 ref.)

Pulmonary embolism in the aging patient. Hyers TM. **Geriatrics** 1981 Aug;36(8):79-86

Case 43-1980: pulmonary embolic carcinomatosis [letter] **N Engl J Med** 1981 Mar 5;304(10):609-10

[Pulmonary embolism (author's transl)] Liu BK. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1979;2(4):247-50 **(Chi)**

BLOOD

Fibrinogen/fibrin degradation products in the diagnosis of pulmonary embolism in critically ill patients. Jareno AJ, et al. **Crit Care Med** 1980 Nov;8(11):646-50

[Arterial blood gas analysis in acute pulmonary embolism] Brau J, et al. **Arch Mal Coeur** 1981 Feb;74(2):207-14 (Eng. Abstr.) **(Fre)**

[Changes in serum beta-thromboglobulin levels during oral contraception, cardiac valve disease and pulmonary embolism (author's transl)] Conard J, et al. **Nouv Presse Med** 1981 Apr 11;10(16):1327-9 (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Fibrinolytic response and oral contraceptive associated thromboembolism. Pizzo SV, et al. **Contraception** 1981 Feb; 23(2):181-6

Potential hazards of antifibrinolytic treatment in subarachnoid haemorrhage [letter] Levati A, et al. **Thromb Haemost** 1980 Dec 19;44(3):170

Pulmonary and systemic embolism after deliberate intravenous fluorocarbon administration. Heinsen H, et al. **Virchows Arch [Pathol Anat]** 1980;386(3):331-41

[Embolic pneumopathy induced by tissue thromboplastin (author's transl)] Hasegawa H, et al. **Kokyu To Junkan** 1980 May;28(5):491-6 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

Posttraumatic pulmonary insufficiency caused by the microembolism syndrome. Modig J. **Acta Chir Scand [Suppl]** 1980;Suppl 499:57-65

Partial reversibility of chronic pulmonary hypertension caused by pulmonary thromboembolic disease. Dantzker DR, et al. **Am Rev Respir Dis** 1981 Aug;124(2):129-31

Focal pulmonary edema after massive pulmonary embolism. Hyers TM, et al. **Am Rev Respir Dis** 1981 Feb;123(2):232-3

Hypoxemia following pulmonary embolism: a dog model of altering regional perfusion. Fisher J, et al. **Anesthesiology** 1981 Mar;54(3):204-9

Pulmonary thromboembolism and venous thrombosis in the Chinese. Chan CW, et al. **Clin Orthop** 1980 Jul-Aug; (150):253-60

Due to recurring pulmonary emboli: failure to wean from a respirator. DiFilippo NM, et al. **IMJ** 1981 Feb; 159(2):104-6

Variable prognosis in congestive cardiomyopathy. Role of left ventricular function, alcoholism, and pulmonary thrombosis. Koide T, et al. **Jpn Heart J** 1980 Jul; 21(4):451-63

Pulmonary embolism. **Med Times** 1981 Jan;109(1):46-53

Pulmonary embolism in patients with acute leukemia and severe thrombocytopenia. Needleman SW, et al. **West J Med** 1981 Jul;135(1):9-13

[Prognosis of pulmonary hypertension in chronic

thromboembolic disease] Riedel M, et al. **Vnitr Lek** 1980 Aug;26(8):729–36 (Eng. Abstr.) **(Cze)**

[Subacute embolic cor pulmonale. Diagnosis and treatment (author's transl)] Ponsonnaille J, et al. **Ann Cardiol Angeiol (Paris)** 1980 Oct–Nov;29(6):439–46 (Eng. Abstr.) **(Fre)**

[Dyspnea in pulmonary embolism in the geriatric practice] de Brito–Paiva E, et al. **Ther Umsch** 1981 Feb;38(2):145–50 (Eng. Abstr.) **(Fre)**

[Tricuspid valve endocarditis with pulmonary infarction caused by central venous catheter (author's transl)] Grabbe E, et al. **Roentgenblaetter** 1981 Feb;34(2):70–1 (Eng. Abstr.) **(Ger)**

[Cholestasis and liver cell necrosis resulting from acute pulmonary embolism (author's transl)] Beckert W. **Z Erkr Atmungsorgane** 1981;156(2):184–92 (Eng. Abstr.) **(Ger)**

[Permeability changes in pulmonary edema induced by pulmonary embolization and mitral stenosis (author's transl)] Ohkuda K, et al. **Kokyu To Junkan** 1980;28(7):743–8 (Eng. Abstr.) **(Jpn)**

[Truncus arteriosus in a thirty–one–year–old man with severe obstructive pulmonary vascular disease: a case report of successful surgical correction (author's transl)] Oka Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1980 Aug; 28(8):1322–9 (Eng. Abstr.) **(Jpn)**

[Reversible permeability pulmonary edema induced by continuous air embolization in unanesthetized sheep (author's transl)] Ohkuda K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Jan;19(1):3–10 (Eng. Abstr.) **(Jpn)**

[Chronic postembolic pulmonary hypertension] Savel'ev VS, et al. **Kardiologiia** 1980;20(12):33–7 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Monitoring of microthrombosis in experimental animals by continuous recording of 125I–fibrin deposits and 51Cr–labelled platelets in the lungs. Koth W, et al. **Acta Biol Med Ger** 1980;39(1):157–62

History and physical examination in acute pulmonary embolism in patients without preexisting cardiac or pulmonary disease. Stein PD, et al. **Am J Cardiol** 1981 Feb; 47(2):218–23

The role of noninvasive tests versus pulmonary angiography in the diagnosis of pulmonary embolism. Cheely R, et al. **Am J Med** 1981 Jan;70(1):17–22

Controversies and enigmas in thrombophlebitis and pulmonary embolism. Perspectives on alleged overdiagnosis. Roberts HJ. **Angiology** 1980 Oct; 31(10):686–99

Pulmonary embolism presenting as coronary insufficiency. Shaw RA, et al. **Arch Intern Med** 1981 Apr;141(5):651

Subacute massive pulmonary embolism. Hall RJ, et al. **Br Heart J** 1981 Jun;45(6):681–8

Diagnostic criteria for pulmonary embolism. Sutton PP, et al. **Br J Hosp Med** 1981 Feb;25(2):144, 147–50, 152–3 (48 ref.)

Differentiation of recurrent pulmonary emboli from chronic obstructive lung disease as a cause of cor pulmonale. Fanta CH, et al. **Chest** 1981 Jan;79(1):92–5

Pulmonary embolism in the patient with chronic obstructive pulmonary disease. A diagnostic dilemma. Lippmann M, et al. **Chest** 1981 Jan;79(1):39–42

Identification of pulmonary emboli in the dog: comparison of angioscopy and perfusion scanning. Shure D, et al. **Circulation** 1981 Sep;64(3):618–21

Pulmonary embolism. Diagnosis and treatment. Wilson JE 3d. **Clin Notes Respir Dis** 1981 Spring;19(4):3–13

Clinico–pathologic correlations in pulmonary thromboembolism. Riedel M, et al. **Cor Vasa** 1980; 22(3):176–84

Pulmonary thromboembolism indicated by echocardiography. Egeblad H, et al. **Dan Med Bull** 1981 Apr;28(2):67–71

Diagnosis and management of pulmonary embolism. Moser KM. **Hosp Pract** 1980 Oct;15(10):57–68

Fatal pulmonary emboli still being missed [news] González ER. **JAMA** 1981 Jan 2;245(1):13–4

Diagnosis of acute pulmonary embolism and thrombosis by echocardiography [letter] Kasper W, et al. **Lancet** 1981 Jul 25;2(8239):202

Pulmonary embolism. Rosenow EC 3d, et al. **Mayo Clin Proc** 1981 Mar;56(3):161–78 (102 ref.)

Pulmonary embolism: a systematic clinical approach. Mathers JA Jr. **Va Med** 1981 Feb;108(2):100–3

[Diagnosis and functional assessment of pulmonary thromboembolism] Topalov I, et al. **Vutr Boles** 1981; 20(1):28–34 (Eng. Abstr.) **(Bul)**

[Pulmonary embolism at the inpatient department of a district hospital (author's transl)] Babiček K, et al. **Cas Lek Cesk** 1980 Jun 27;119(25–26):704–8 (Eng. Abstr.) **(Cze)**

[Pulmonary embolism in the material of the Surgical Clinic of the Faculty of Medical Hygiene of Charles University in Prague 10 in 1968–1977 (author's transl)] Hájek M, et al. **Cas Lek Cesk** 1981 Mar 12;120(10):280–3 (Eng. Abstr.) **(Cze)**

[Diagnosis and therapy of pulmonary embolism] Halttunen P, et al. **Duodecim** 1980;96(8):609–19 **(Fin)**

[Echographical symptomatology of acute pulmonary embolism] Castillo–Fenoy A, et al. **Arch Mal Coeur** 1980 Aug;73(8):971–8 (Eng. Abstr.) **(Fre)**

[Suspected pulmonary embolism. Concept of care to be given] Paramelle B, et al. **Nouv Presse Med** 1981 Mar 21; 10(13):1027–30 **(Fre)**

[Direct M–mode and two–dimensional echocardiographic demonstration of acute pulmonary arterial embolism (author's transl)] Erbel R, et al. **Dtsch Med Wochenschr** 1981 Feb 6;106(6):179–80 (Eng. Abstr.) **(Ger)**

[Validity of echocardiography in non–invasive diagnosis of acute pulmonary embolism (author's transl)] Kasper W, et al. **Dtsch Med Wochenschr** 1981 Jun 26;106(26):829–34 (Eng. Abstr.) **(Ger)**

[Myocardial infarct, lung embolism or spontaneous pneumothorax] **MMW** 1981 Feb 27;123(9):52 **(Ger)**

[Differential diagnosis between pulmonary embolism and myocardial infarction (author's transl)] Julich H, et al. **Respiration** 1980;40(2):101–5 (Eng. Abstr.) **(Ger)**

[Biohumoral changes in minor pulmonary embolisms] Addarii F. **Boll Soc Ital Cardiol** 1979;24(11):1221–4 **(Ita)**

[Electrocardiogram in pulmonary embolism] Bracchetti D, et al. **Torace** 1977 Dec;20(1–4):3–9 (Eng. Abstr.) **(Ita)**

[Pathophysiological and clinical problem in pulmonary embolism. (2) From clinical standpoint (author's transl)] Murao M. **Nippon Naika Gakkai Zasshi** 1980 Jun 6; 69(6):681–7 **(Jpn)**

[Current status of the problem of pulmonary artery thromboembolism (review of Soviet and foreign literature] Sokolov SS, et al. **Vestn Khir** 1981 Apr;126(4):142–7 (64 ref.) **(Rus)**

[Retrospective study of 100 cases of pulmonary thromboembolism] Gatell Artigas JM, et al. **Rev Clin Esp** 1980 Sep 30;158(6):259–62 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Successful outcome in antepartum pulmonary embolism––a case report and review of incidence, diagnosis and management. Mah PK, et al. **Ann Acad Med Singapore** 1980 Jan;9(1):122–8

Thrombolytic therapy in treatment: summary of an NIH Consensus Conference. **Br Med J** 1980 Jun 28; 280(6231):1585–7

Thrombolytic therapy in surgical patients. Sherry S. **Curr Surg** 1981 Mar–Apr;38(2):75–9

NIH Consensus Development Conference summary: thrombolytic therapy in thrombosis. **J Tenn Med Assoc** 1980 Oct;73(10):751–5

Pulmonary thromboembolism––update [letter] Salberg DJ. **JAMA** 1981 Jun 12;245(22):2295

Effect of thrombolytic therapy on pulmonary–capillary blood volume in patients with pulmonary embolism. Sharma GV, et al. **N Engl J Med** 1980 Oct 9;303(15):842–5

Thrombolysis by human tissue plasminogen activator and urokinase in rabbits with experimental pulmonary embolus. Matsuo O, et al. **Nature** 1981 Jun 18;291(5816):590–1

[Effects of thrombolytic agents on pulmonary and venous clots in severe pulmonary embolism (author's transl)] Serradimigni A, et al. **Nouv Presse Med** 1981 Apr 4; 10(15):1189–92 (Eng. Abstr.) **(Fre)**

[Awelysin treatment in massive pulmonary embolism following hip surgery] Liedloff H, et al. **Beitr Orthop Traumatol** 1980 Sept;27(9):532–7 (Eng. Abstr.) **(Ger)**

[Local streptokinase treatment in acute pulmonary embolism with shock (author's transl)] Neuhaus KL, et al. **Dtsch Med Wochenschr** 1980 Oct 3;105(40):1392–5 (Eng. Abstr.) **(Ger)**

[Streptase treatment of a pulmonary artery thromboembolism] Iëshkin AA. **Klin Med (Mosk)** 1980 Dec;58(12):100–1 **(Rus)**

[Problems of heparin therapy] Makatsariia AD, et al. **Klin Med (Mosk)** 1980 Oct;58(10):18–21 (25 ref.) **(Rus)**

ETIOLOGY

Pulmonary microembolism during and after aortic cross–clamping in heparinized and non–heparinized pigs. Bowald S, et al. **Acta Chir Scand** 1980;146(5):351–6

Microembolism and pulmonary haemodynamics in the early phase of experimental septic shock. Myrvold HE. **Acta Chir Scand [Suppl]** 1980;Suppl 499:21–30

Aneurysm of the popliteal vein as a cause of pulmonary embolism. Persson BG, et al. **Acta Med Scand** 1980; 208(5):407–10

Pulmonary embolic syndrome caused by cementing of hip endoprosthesis. Barron DW. **Acta Orthop Scand** 1980 Dec; 51(6):921–3

Popliteal venous aneurysm: a source of pulmonary embolism. Chahlaoui J, et al. **AJR** 1981 Feb;136(2):415–6

Fatal pulmonary embolism from massive right atrial thrombus postcoronary artery bypass surgery. Formolo JM, et al. **Am Heart J** 1981 Apr;101(4):510

Pulmonary embolism and venous thrombosis. A pattern of incidence and predisposing factors over 70 years. Knight B, et al. **Am J Forensic Med Pathol** 1980 Sep;1(3):227–32

Massive pulmonary embolism associated with a right ventricular myxoma. González A, et al. **Am J Med** 1980 Nov;69(5):795–8

Massive intraoperative pulmonary tumor embolus from renal cell carcinoma. Milne B, et al. **Anesthesiology** 1981 Mar; 54(3):253–5

Is embolic risk conditioned by location of deep venous thrombosis? Moser KM, et al. **Ann Intern Med** 1981 Apr; 94(4 pt 1):439–44

Pulmonary embolism in a diabetic patient after ocular 10% phenylephrine. Wesley RE, et al. **Ann Ophthalmol** 1981 Mar;13(3):311–3

Venous syndromes and pulmonary embolism in systemic lupus erythematosus. Gladman DD, et al. **Ann Rheum Dis** 1980 Aug;39(4):340–3

Bizarre complications of peritoneovenous shunts. Eckhauser FE, et al. **Ann Surg** 1981 Feb;193(2):180–4

The embolization of bone wax from sternotomy incisions. Robicsek F, et al. **Ann Thorac Surg** 1981 Apr;31(4):357–9

Microcrystalline cellulose pulmonary embolism and granulomatosis. A complication of illicit intravenous injections of pentazocine tablets. Tomashefski JF Jr, et al. **Arch Pathol Lab Med** 1981 Feb;105(2):89–93

Infected ventricular septal defect. Windsor HM, et al. **Aust NZ J Surg** 1981 Jun;51(3):271–3

Pulmonary embolism during anaesthesia: case report. Divekar VM, et al. **Can Anaesth Soc J** 1981 May;28(3):277–9

Latent pulmonary embolus from a retroperitoneal sarcoma. Arbeit JM, et al. **Cancer** 1980 Sep 15;46(6):1492–8

Pulmonary embolism. A hazard of air travel. Thomas JE, et al. **Cent Afr J Med** 1981 May;27(5):85–7

Fatal pulmonary tumor microembolism complicating peritoneovenous shunt. Chew SY, et al. **Hawaii Med J** 1981 May;40(5):130–4

Pulmonary thrombo–embolism following deep vein thrombosis. Tiwary A, et al. **Indian J Chest Dis Allied Sci** 1980 Oct–Dec;22(4):247–50

Bile emboli: a complication of PTD. Brozinsky S, et al. **J Clin Gastroenterol** 1981 Jun;3(2):135–7

Fatal pulmonary tumor embolization following peritoneovenous shunting for malignant ascites. Smith RR, et al. **J Surg Oncol** 1981;16(1):27–35

Posttraumatic neurosis––thrombophlebitis and pulmonary embolus complications––deposition of plaintiff's treating neurologist. Werrenrath R 3rd. **Med Trial Tech Q** 1980 Winter–Spring;27:355–76

Massive intraoperative pulmonary thromboembolism; following removal of transvenous pacemaker. Pratilas V, et al. **NY State J Med** 1980 Oct;80(11):1729–31

Recurrent pulmonary emboli secondary to right atrial thrombus around a permanent pacing catheter: a case report and review of the literature. Kinney EL, et al. **PACE** 1979 Mar;2(2):196–202 (22 ref.)

Pulmonary embolism of cerebral tissue in a neonate. A case report. Pillay SV. **S Afr Med J** 1980 Sep 20;58(12):498

Trophoblastic pulmonary embolism. Smith JC, et al. **South Med J** 1981 Aug;74(8):916–9

Thromboembolism in stroke patients. Saleem S, et al. **Tex Med** 1981 May;77(5):55–6

[Trophoblastic tissue pulmonary embolus in a molar pregnancy (author's transl)] Thoulon JM, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(5):561–5 (Eng. Abstr.) **(Fre)**

[Thrombophlebitis and pulmonary embolism after lumbar spinal phlebography (letter)] Cayla J, et al. **Nouv Presse Med** 1979 Feb 3;8(6):440 **(Fre)**

[The dangerous blood clot in orthopaedic surgery (author's transl)] de la Caffinière JY, et al. **Rev Chir Orthop** 1981; 67(1):47–58 (Eng. Abstr.) **(Fre)**

[The problem of fat embolism in polytraumatised patients. – case report (author's transl)] Hartung HJ, et al. **Aktuel Traumatol** 1980 Feb;10(1):35–9 (Eng. Abstr.) **(Ger)**

[Skin embolism of the lung] Gilbert P, et al. **Pathologe** 1980 May;1(3):161–3 **(Ger)**

[Pulmonary embolism in leg and pelvic vein thrombosis. Results of a prospective study – diagnosis, frequency, nuclearmedical and clinical appearance (author's transl)] Mostbeck A, et al. **Wien Klin Wochenschr** 1980 Jun; 92(13):464–71 (Eng. Abstr.) **(Ger)**

[Lethal barium sulfate embolism after accidental vaginal application (author's transl)] Bonte W, et al. **Z Rechtsmed** 1980;86(1):71–8 (Eng. Abstr.) **(Ger)**

[Air embolism] Volpin G, et al. **Harefuah** 1980 Jul; 99(1–2):27–30 **(Heb)**

[A case of pulmonary embolism after cardiac catheterization (author's transl)] Tanaka M, et al. **Kyobu Geka** 1980; 33(9):676–80 (Eng. Abstr.) **(Jpn)**

[Pulmonary embolism by bullet (author's transl)] Thomson JC, et al. **AMB** 1980 Mar;26(3):112–4 (Eng. Abstr.) **(Por)**

[Pulmonary embolism with autologous blood clot. Experimental study in dogs] Kasinski N, et al. **Arq Bras Cardiol** 1980 Mar;34(3):203–10 (Eng. Abstr.) **(Por)**

[Thromboembolism of the pulmonary vessels after scheduled gynecological laparotomies] Savitskiĭ GA, et al. **Sov Med** 1980;(11):95–7 **(Rus)**

METABOLISM

Effect of defibrinogenation on lung water accumulation after pulmonary microembolism in dogs. Johnson A, et al. **J Appl Physiol** 1980 Nov;49(5):841–5

MORTALITY

178 fatal cases of pulmonary embolism in a medical department. Nielsen HK, et al. **Acta Med Scand** 1981; 209(5):351–5

[Pulmonary embolism in surgical patients (author's transl)]

Kugelmeier J, et al. **Praxis** 1980 Dec 16;69(50):1859–64 (55 ref.) (Eng. Abstr.) **(Ger)**

NURSING

Wrap session: critique of a nursing audit of pulmonary embolism and infarction. Shanahan M. **QRB** 1978;Spec No:23–8

OCCURRENCE

Pulmonary embolism in children. Buck JR, et al. **J Pediatr Surg** 1981 Jun;16(3):385–91

Deep venous thrombosis and pulmonary embolism. Frequency in a respiratory intensive care unit. Moser KM, et al. **JAMA** 1981 Sep 25;246(13):1422–4

PATHOLOGY

Fatal pulmonary embolism due to thrombosis of a hepatic cavernous haemangioma. Dennis PM. **Med Sci Law** 1980 Oct;20(4):287–8

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 38–1981. **N Engl J Med** 1981 Sep 17;305(12):685–93

Venous macrothromboembolism in an unselected autopsy material and its relation to antiplasmin activity in the vessel wall. Eriksson M, et al. **Thromb Res** 1980 Dec 1–15; 20(5–6):555–61

[Metastatic pulmonary emboli: clinical types and incidence (author's transl)] Chomette G, et al. **Ann Med Interne (Paris)** 1980;131(4):217–21 (Eng. Abstr.) **(Fre)**

[Ultrastructure of the human lung in fat embolism] Böhm E. **Beitr Gerichtl Med** 1980;38:155–72 (Eng. Abstr.) **(Ger)**

[Intravital fat embolisms in resectioned lungs] Brunner P, et al. **Beitr Gerichtl Med** 1980;38:173–6 (Eng. Abstr.) **(Ger)**

[Incidence and pathological anatomy of pulmonary thromboembolism in autopsies (author's transl)] Maffei FH, et al. **AMB** 1980 Jan;26(1):7–10 (Eng. Abstr.) **(Por)**

PHYSIOPATHOLOGY

Hemodynamic changes in pulmonary circulation following fat embolism. Hartenauer U, et al. **Acta Anaesthesiol Belg** 1980;31 Suppl:155–60

Fibrin derived peptides as mediators of increased vascular permeability. Saldeen T. **Acta Chir Scand [Suppl]** 1980; Suppl 499:67–72

Effect of granulocytopenia on extravascular lung water content after microembolization. Johnson A, et al. **Am Rev Respir Dis** 1980 Oct;122(4):561–6

New clinico–pathophysiological studies on the bone cement implantation syndrome. Rinecker H. **Arch Orthop Trauma Surg** 1980;97(4):263–74

The effects of aspirin and methysergide, singly and in combination, on systemic haemodynamic responses to pulmonary embolism. Todd MH, et al. **Can Anaesth Soc J** 1981 Jul;28(4):373–80

Right ventricular outflow obstruction from thrombus with small peripheral pulmonary emboli. Waller BF, et al. **Chest** 1981 Feb;79(2):224–5

Leukocytes are required for increased lung microvascular permeability after microembolization in sheep. Flick MR, et al. **Circ Res** 1981 Mar;48(3):344–51

Effects of different-size microemboli on lung fluid and protein exchange. Johnson A, et al. **J Appl Physiol** 1981 Aug;51(2):461–4

Bronchovascular adjustments after pulmonary embolism. Malik AB, et al. **J Appl Physiol** 1980 Sep;49(3):476–81

The role of prostaglandins in the bronchoconstriction induced by pulmonary micro–embolism in the guinea–pig. Clay TP, et al. **J Physiol (Lond)** 1980 Nov;308:427–37

Contributions of prostaglandin F2alpha and thromboxane A2 to the acute cardiopulmonary changes of pulmonary embolism. Kapsch DN, et al. **J Surg Res** 1981 May; 30(5):522–9

Effects of indomethacin on pulmonary hemodynamics and extravascular lung water in sheep after pulmonary microembolism. Weidner WJ. **Prostaglandins Med** 1979 Aug;3(2):71–80

[Measurement of arterio–alveolar CO2 difference in pulmonary embolism] Denjean A, et al. **Agressologie** 1980; 21(B):89–92 (Eng. Abstr.) **(Fre)**

[Kussmaul's paradoxical pulse. Etiopathogenic aspects] Pétein M, et al. **Arch Mal Coeur** 1981 Mar;74(3):337–45 (Eng. Abstr.) **(Fre)**

[Routine bedside measurement of arterio–alveolar CO2 difference (author's transl)] Dautzenberg B, et al. **Nouv Presse Med** 1980 Aug 30–Sep 6;9(31):2129–32 (Eng. Abstr.) **(Fre)**

[Animal experiments on lung embolism and post–embolism lung (author's transl)] Ulmer WT. **Prax Klin Pneumol** 1980 May;34(5):295–300 (Eng. Abstr.) **(Ger)**

[Left ventricular function and movement of interventricular septum in pulmonary embolism (experimental studies by echocardiography) (author's transl)] Tanigawa N, et al. **Kokyu To Junkan** 1980;28(7):763–8 (Eng. Abstr.) **(Jpn)**

[Pathophysiological and clinical problems in pulmonary embolism. (1) From experimental study (author's transl)] Watanabe S. **Nippon Naika Gakkai Zasshi** 1980 Jun 6; 69(6):675–80 **(Jpn)**

[Lymphatic drainage and the vascular permeability of the lungs in microembolisms] Beliakov NA, et al. **Anesteziol Reanimatol** 1980 Sep–Oct;(5):49–52 (Eng. Abstr.) **(Rus)**

[Hemodynamics and gas exchange in experimental pulmonary microembolism] Simbirtsev SA, et al. **Vestn Khir** 1980 Sep; 125(9):104–7 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Long–term follow–up of partial caval occlusion by clip. Askew AR, et al. **Am J Surg** 1980 Sep;140(3):441–3

Pulmonary embolism in stroke: prevention by early heparinization of venous thrombosis detected by iodine–125 fibrinogen leg scans. Miyamoto AT, et al. **Arch Phys Med Rehabil** 1980 Dec;61(12):584–7

Greenfield filter in renal transplant patients. Jarrell BE, et al. **Arch Surg** 1981 Jul;116(7):930–2

Transvenous management of pulmonary embolism and technical aspects of filters. Ferris EJ. **Cardiovasc Intervent Radiol** 1980 Nov;3(4):317–8

Practical points on transvenous insertion of inferior vena cava filters. Novelline RA. **Cardiovasc Intervent Radiol** 1980 Nov;3(4):319–24

Prevention of pulmonary emboli in a respiratory intensive care unit: efficacy of low–dose heparin. Pingleton SK, et al. **Chest** 1981 Jun;79(6):647–50

Deep venous thrombosis of the legs following surgery: prophylaxis and treatment. Scurr JH, et al. **Curr Surg** 1980 Sep–Oct;37(5):301–7

Early diagnosis of anticoagulation failure: can recurrent pulmonary embolism be prevented? Pollak EW. **Int Surg** 1980 May–Jun;65(3):219–22

Long–term experience with the Mobin–Uddin umbrella. Rao G. **Int Surg** 1980 May–Jun;65(3):223–30

Thrombo–embolism as a complication of prosthetic replacement operations of the hip: prophylaxis with heparin at low doses. Gnudi S, et al. **Ital J Orthop Traumatol** 1980 Apr;6(1):147–51

Greenfield filter vs Mobin–Uddin umbrella [letter] Cimochowski GE, et al. **JAMA** 1980 Nov 14;244(19):2160

The value of the thromboelastogram as means of monitoring the sub–cutaneous preventive action of calcium heparinate. Dollfus P, et al. **Paraplegia** 1980 Jun;18(3):157–66

Prophylaxis of pulmonary embolism in general surgery by means of small doses of heparin administered subcutaneously. Wijnja L, et al. **Scand J Haematol** 1980; 25 Suppl 36:141–9

Preoperative and postoperative techniques in the prevention of pulmonary complications. Van De Water JM. **Surg Clin North Am** 1980 Dec;60(6):1339–48

Retrieval of the Greenfield vena caval filter. Greenfield LJ, et al. **Surgery** 1980 Nov;88(5):719–22

Surgical prevention of pulmonary embolism. Savelyev VS, et al. **World J Surg** 1980 Nov;4(6):709–15

[Prevention of deep venous thrombosis (TVP) and pulmonary embolism. Comparison of heparin (3 x 5000 IU/day), heparin (2 x 5000 IU/day) + 0.5 mg dihydroergot, and physiotherapy (intermittent compression stockings + physical exercise). Value of Doppler diagnosis in systematic detection of TVP compared with phlebography and scanning of the legs using labelled fibrinogen] Moser G, et al. **Helv Chir Acta** 1980 Jun; 47(1–2):145–9 (Eng. Abstr.) **(Fre)**

[Thrombo–embolic disease and pregnancy. The prevention of pulmonary emboli by placing a clip on the inferior vena cava (author's transl)] Baudet JH, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1979;8(7):631–6 (Eng. Abstr.) **(Fre)**

[Prevention of pulmonary micro–embolism during blood transfusion by means of fine mesh filters (author's transl)] Eckert G. **Anaesth Intensivther Notfallmed** 1980 Jun; 15(3):201–6 (Eng. Abstr.) **(Ger)**

[Control of low–dose heparin therapy using photometry to detect biologically active heparin] Zimmermann RE, et al. **Chirurg** 1981 May;52(5):316–9 (Eng. Abstr.) **(Ger)**

[Clinical effect of subcutaneous low–dose heparin] Andrassy T, et al. **Med Welt** 1981 May 8;32(19):735–7 **(Ger)**

[Results of selective prophylaxis of thrombosis in gynecological surgery (author's transl)] Brehm R, et al. **Wien Med Wochenschr** 1980 Sep 30;130(18):586–9 (Eng. Abstr.) **(Ger)**

[Prophylaxis of pulmonary embolism by inferior vena cava filter (author's transl)] Porstmann W, et al. **Zentralbl Chir** 1981;106(8):533–43 (Eng. Abstr.) **(Ger)**

[Low–dose prophylactic heparin in the prevention of postoperative pulmonary complications] Vimláti L, et al. **Orv Hetil** 1980 Dec 7;121(49):2997–9 **(Hun)**

[Prevention of pulmonary embolism in surgery: analysis of 2 clinical cases] Gregoratti L, et al. **Chir Ital** 1980 Jun; 32(3):620–7 (Eng. Abstr.) **(Ita)**

[Routine measures in the prevention of postoperative thrombosis and embolism. Based on a multicentre trial of about 4000 patients with dextran or low–dose heparin prevention] Lund T. **Tidsskr Nor Laegeforen** 1980 Aug 10; 100(22):1267–9 (Eng. Abstr.) **(Nor)**

[Device for preventing acute venous thrombosis and pulmonary artery embolism] Dumpe EP, et al. **Khirurgiia (Mosk)** 1981 Feb;(2):97–100 **(Rus)**

[Results of intravenous filter inplantation] Iablokov EG, et al. **Vestn Khir** 1980 May;124(5):3–7 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Computed tomography of pulmonary embolism. Godwin JD, et al. **AJR** 1980 Oct;135(4):691–5

Radiographic aspects of metallic mercury embolism. Peterson N, et al. **AJR** 1980 Nov;135(5):1079–81

Radiographic signs of pulmonary embolism. Davis WB, et al. **Am Fam Physician** 1980 Oct;22(4):103–8

Case report: Incomplete or reversible pulmonary infarction. Zatuchni J. **Pa Med** 1980 Oct;83(10):33–4

Pulmonary arteriography in patients with hilar or mediastinal masses and lung scans suggesting pulmonary embolism. Stanley DC, et al. **South Med J** 1981 Aug;74(8):960–4, 967

[Case of the month. Glomerulonephritis as a complication of treatment with D–penicillamide] Chatel A, et al. **J Radiol** 1980 Mar;61(3):180, 184 (Eng. Abstr.) **(Fre)**

[Radiological and scintigraphic signs and correlations in the diagnosis of pulmonary micro–embolisms] Addarii F. **Boll Soc Ital Cardiol** 1978;23(10):1655–9 **(Ita)**

[Lung pictures of the 'target sign' in septic embolism] Lo Russo GP, et al. **Radiol Med (Torino)** 1980 Mar;66(3):157–9 **(Ita)**

[Clinico–roentgenological picture of pulmonary thromboembolism during thrombolytic therapy] Mazaev PN, et al. **Sov Med** 1980;(6):12–6 (Eng. Abstr.) **(Rus)**

[The radiologic 'melting sign'. Is it pathognomic of pulmonary infarct?] Lama A, et al. **Arch Inst Cardiol Mex** 1980 Jan–Feb;50(1):61–3 (Eng. Abstr.) **(Spa)**

[Acute pulmonary embolism] Björkholm M. **Lakartidningen** 1980 Sep 24;77(39):3378–83 (Eng. Abstr.) **(Swe)**

RADIONUCLIDE IMAGING

Krypton–81m ventilation scanning: acute respiratory disease. Lavender JP, et al. **AJR** 1981 Feb;136(2):309–16

Radionuclide section scanning of the lungs in pulmonary embolism. Khan O, et al. **Br J Radiol** 1981 Jul; 54(643):586–91

The low specificity of postoperative perfusion lung scan defects. Walker I, et al. **Can Med Assoc J** 1981 Jan 15; 124(2):153–8

Krypton–81m ventilation scintigraphy for the diagnosis of pulmonary emboli. Goris ML, et al. **Clin Nucl Med** 1981 May;6(5):207–12

Interobserver and intraobserver variability in lung scan reading in suspected pulmonary embolism. Hoey JR, et al. **Clin Nucl Med** 1980 Nov;5(11):508–13

Computer processing of perfusion, ventilation, and V/Q images to highlight pulmonary embolism. Arnold JE, et al. **Eur J Nucl Med** 1981;6(7):309–15

Ventilation imaging with Kr–81m. A comparison with Xe–133. Miller TR, et al. **Eur J Nucl Med** 1981 Jan; 6(1):11–6

Study of factors that may condition scintigraphic detection of venous thrombi and pulmonary emboli with indium–111–labeled platelets. Moser KM, et al. **J Nucl Med** 1980 Nov;21(11):1051–8

Re: ventilation–perfusion studies and the diagnosis of pulmonary embolism: concise communication [letter] Wilson MA, et al. **J Nucl Med** 1980 Dec;21(12):1204–5

Perfusion/ventilation scintiphotography in suspected pulmonary embolism [letter] Rabøl A, et al. **Lancet** 1981 Jun 27;1(8235):1427

Perfusion scintigraphy in the diagnosis of pulmonary embolism. Egermayer P. **NZ Med J** 1980 Dec 24; 92(674):462–4

Comparison of 133Xe single–breath and washout imaging in the scintigraphic diagnosis of pulmonary embolism. Alderson PO, et al. **Radiology** 1980 Nov;137(2):481–6

Scintigraphic detection of pulmonary embolism in patients with obstructive pulmonary disease. Alderson PO, et al. **Radiology** 1981 Mar;138(3):661–6

Current status of ventilation–perfusion imaging. Neumann RD, et al. **Semin Nucl Med** 1980 Jul;10(3):198–217 (72 ref.)

Detection of pulmonary emboli by positron imaging of inhaled 15O–labeled carbon dioxide. Nichols AB, et al. **Semin Nucl Med** 1980 Jul;10(3):252–8

Pulmonary arteriography in patients with hilar or mediastinal masses and lung scans suggesting pulmonary embolism. Stanley DC, et al. **South Med J** 1981 Aug;74(8):960–4, 967

Analysis of preoperative and postoperative lung scintigraphy in patients undergoing elective hip surgery. Bergqvist D, et al. **Vasa** 1980;9(4):311–5

[Detection of postoperative deep venous thromboses] Souchaud A, et al. **Schweiz Med Wochenschr** 1980 Aug 30;110(35):1265–7 (Eng. Abstr.) **(Fre)**

[A new method of combined inhalation and perfusion scintigraphy for the diagnosis of pulmonary embolism (author's transl)] Schümichen C, et al. **ROEFO** 1980 Dec; 133(6):602–7 (Eng. Abstr.) **(Ger)**

[Diagnosis of pulmonary embolism by RI scintigraphy (author's transl)] Sugihara M, et al. **Rinsho Hoshasen** 1980 Aug;25(8):885–6 **(Jpn)**

SURGERY

Pulmonary embolectomy re–evaluated. Clarke DB. **Ann R Coll Surg Engl** 1981 Jan;63(1):18–24

Pulmonary embolectomy. Glassford DM Jr, et al. **Ann Thorac Surg** 1981 Jul;32(1):28–32

A new vena cava filter: experimental animal evaluation. Gianturco C, et al. **Radiology** 1980 Dec;137(3):835–7

Pulmonary embolectomy for massive pulmonary embolism. Estrera AS, et al. **Tex Med** 1981 Feb;77(2):46–51

Fatal massive haemoptysis after embolectomy for chronic pulmonary embolism. Elliott JA. **Thorax** 1980 Sep; 35(9):705–6

[Surgical treatment of massive pulmonary emboli: successful results in a series of 62 embolectomies (author's transl)] Kieny R, et al. **Chirurgie** 1980;106(5):370–3 (Eng. Abstr.) **(Fre)**

[Management of massive pulmonary embolism. The role of embolectomy and partial interruption of the inferior vena cava] Marion P, et al. **Med Chir Dig** 1981;10(3):197–203 **(Fre)**

[Pulmonary embolectomy using extracorporeal circulation. An anesthesiological and intensive care viewpoint (author's transl)] Buzello W, et al. **Anaesthesist** 1980 Jul;29(7):385–9 (Eng. Abstr.) **(Ger)**

[Problems in emergency surgery. Massive pulmonary embolism. Clinical and diagnostic aspects] Olivero S, et al. **Minerva Chir** 1980 Aug 15–31;35(15–16):1113–22 (Eng. Abstr.) **(Ita)**

THERAPY

Chronic persistent pulmonary embolism. Report of three cases. Shuck JW, et al. **Am J Med** 1980 Nov;69(5):790–4

Vena caval filter placement during pregnancy. Barnes AB, et al. **Am J Obstet Gynecol** 1981 Jul 15;140(6):707–8

Technical modifications in the placement of inferior vena caval filter devices. Menzoian JO, et al. **Am J Surg** 1981 Aug;142(2):216–8

Pulmonary fat embolism treated by intermittent continuous positive airway pressure given by face mask. Naver L, et al. **Br Med J** 1980 Jun 14;280(6229):1413–4

Respiratory care in cardiac failure and pulmonary embolism. Austin GL, et al. **Surg Clin North Am** 1980 Dec; 60(6):1565–77

Treatment of pulmonary embolism with positive end-expiratory pressure and prostaglandin E1. Utsunomiya T, et al. **Surg Gynecol Obstet** 1981 Aug;153(2):161–8

[Acute pulmonary embolisms. Diagnostic and therapeutic problems] Duroux P, et al. **Chirurgie** 1980;106(5):374–6 **(Fre)**

[Lung embolism. Diagnosis and differential therapeutic problems] Grosser KD. **Internist (Berlin)** 1980 May; 21(5):273–82 **(Ger)**

[Treatment of postoperative pulmonary embolism (author's transl)] Heinrichs C. **Zentralbl Gynaekol** 1981;103(8):425–33 (Eng. Abstr.) **(Ger)**

[Fragmentation of pulmonary emboli (author's transl)] Feltrin G, et al. **Radiol Med (Torino)** 1980 Nov;66(11):793–8 (Eng. Abstr.) **(Ita)**

[Treatment of pulmonary thromboembolism] Rigatto M. **Arq Bras Cardiol** 1980 Jun;34(6):493–7 **(Por)**

VETERINARY

Pulmonary artery thrombosis in three dogs with hyperadrenocorticism. Burns MG, et al. **J Am Vet Med Assoc** 1981 Feb 15;178(4):388–93

Lung infarction and epidermoid carcinoma in a dog. Teunissen GH, et al. **Zentralbl Veterinaermed [A]** 1981; 28(1):47–52

[Lesions in slaughtered animals. II. Inflammation of the tail and embolic pneumonia in pigs (author's transl)] van den Berg J, et al. **Tijdschrift Voor Diergeneeskd** 1981 Apr 15; 106(8):407–10 (Eng. Abstr.) **(Dut)**

PULMONARY EMPHYSEMA

Emphysema: past, present and future. Bignon J, et al. **Bull Eur Physiopathol Respir** 1980;16 Suppl:423–8

[Clinical, functional and therapeutic aspects of chronic bronchitis and emphysema] Perret L, et al. **Nord Med** 1980 Nov;95(11):278–9 **(Swe)**

BLOOD

Sex hormones and the flaccid lung syndrome. Laros CD, et al. **Bull Eur Physiopathol Respir** 1980;16 Suppl:373–9

Haematological response in hypoxic lung disease. Kulpati DD, et al. **Indian J Chest Dis Allied Sci** 1980 Jan–Mar; 22(1):31–8

Increased high density lipoprotein cholesterol in obstructive pulmonary disease (predominant emphysematous type). Tisi GM, et al. **Metabolism** 1981 Apr;30(4):340–6

[Rheological observations of blood in chronic bronchitis, pulmonary emphysema, cor pulmonale and studies on the effect of Datura metal L in improving circulation and relieving stasis (author's transl)] Zheng ZX. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1980 Feb;3(2):65–8 **(Chi)**

[Blood prostaglandins levels in patients with pulmonary emphysema--blood prostaglandins levels at air inhalation and oxygen inhalation, and the difference between arterial blood prostaglandins levels and mixed venous blood prostaglandins levels (author's transl)] Takahashi W, et al. **Kokyu To Junkan** 1981 Jan;29(1):57–63 (Eng. Abstr.) **(Jpn)**

CHEMICALLY INDUCED

Experimental pulmonary emphysema: its induction in rats by leuko-elastase extracted from purulent sputum. Tarján E, et al. **Acta Med Acad Sci Hung** 1980;37(2):217–23

The effect of lathyrogens on the evolution of elastase-induced emphysema. Kuhn C 3d, et al. **Am Rev Respir Dis** 1980 Sep;122(3):453–60

Effect of papain-induced emphysema on canine pulmonary elastin. Osman M, et al. **Proc Soc Exp Biol Med** 1980 Sep; 164(4):471–7

[Creation of experimental emphysema by the intratracheal administration of papain] Basmadzhieva K, et al. **Eksp Med Morfol** 1981;20(2):113–7 (Eng. Abstr.) **(Bul)**

[Proteolytic lung emphysema and obstructive airway disease (author's transl)] Zimmerman I, et al. **Res Exp Med (Berl)** 1981;178(3):219–28 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Emphysema associated with pulmonary hypoplasia in congenital diaphragmatic hernia. Omojola MF, et al. **AJR** 1981 May;136(5):1007–9

Metastatic emphysema: a mechanism for acquiring inguinal herniation. Cannon DJ, et al. **Ann Surg** 1981 Sep; 194(3):270–8

Diagnosis of old anterior myocardial infarction in emphysema with poor R wave progression in anterior chest leads. Hart GJ, et al. **Br Heart J** 1981 May;45(5):522–6

Thyroxine and dyspnoea in emphysema. Butland RJ, et al. **Br J Dis Chest** 1981 Jan;75(1):96–8

Emphysema in smoking and non-smoking coalworkers with pneumoconiosis. Lyons JP, et al. **Bull Physiopathol Respir (Nancy)** 1981 Jan–Feb;17(1):75–85

Unilateral pulmonary edema in Swyer-James syndrome. Bhaskar G, et al. **J Kans Med Soc** 1980 Oct;81(10):467–8

Congenital diaphragmatic hernia: deleterious effects of pulmonary interstitial emphysema and tension extrapulmonary air. Srouji MN, et al. **J Pediatr Surg** 1981 Feb;16(1):45–54

Long term domiciliary oxygen therapy in chronic hypoxic cor pulmonale complicating chronic bronchitis and emphysema. Report of the Medical Research Council Working Party. **Lancet** 1981 Mar 28;1(8222):681–6

Respiratory failure in the adult with chronic bronchitis and emphysema. Flenley DC. **Practitioner** 1980 Dec; 224(1350):1251–8

[Pulmonary emphysema, hepatic lesions, and insulin-dependent diabetes in a patient with alpha-1-antitrypsin (Pi ZZ) deficiency (author's transl)] Carette MF, et al. **Ann Med Interne (Paris)** 1980; 131(6):349–52 (Eng. Abstr.) **(Fre)**

[Surgical indications of bullous emphysema (author's transl)] Moghissi K, et al. **Rev Fr Mal Respir** 1980;8(2):151–2 (Eng. Abstr.) **(Fre)**

[Chronic progressive pulmonary emphysema associated with homozygous alpha 1-antitrypsin deficiency (author's transl)] Thiel H, et al. **Prax Klin Pneumol** 1981 Jan; 35(1):23–8 (Eng. Abstr.) **(Ger)**

[Anesthesia for pleuroscopy. Importance of intubation with the Carlens tube for a selective diagnosis of emphysematous bullae in primary spontaneous pneumothorax] Cardaci SB, et al. **Minerva Anestesiol** 1981 Mar;47(3):103–6 (Eng. Abstr.) **(Ita)**

[A case of pneumothorax frequently recurring as a complication of severe asthma: treatment by creation of pleural adherence] Iester A, et al. **Minerva Pediatr** 1980 Dec 15;32(23):1343–8 (Eng. Abstr.) **(Ita)**

CONGENITAL

Radioisotopic evaluation of congenital lobar emphysema. Mitnick JS, et al. **Clin Nucl Med** 1981 Jun;6(6):266–7

Polyalveolar lobe: anatomic and physiologic parameters and their relationship to congenital lobar emphysema. Tapper D, et al. **J Pediatr Surg** 1980 Dec;15(6):931–7

[Congenital lobar emphysema] Kienzle HF, et al. **Chirurg** 1981 Apr;52(4):241–6 (Eng. Abstr.) **(Ger)**

[Congenital labor emphysema (C.L.E.)] Rodríguez Ormazábal J, et al. **Rev Chil Pediatr** 1980 May–Jun; 51(3):209–13 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

[Pulmonary emphysema, a lost cause?] Postma DS, et al. **Ned Tijdschr Geneeskd** 1981 Feb 14;125(7):265–70 (Eng. Abstr.) **(Dut)**

[Evaluation of bullous emphysema by the usual means and radioactive gas tracers: results after surgery] Bartsch P, et al. **Bronchopneumologie** 1980 May–Jun;30(3):182–92 **(Fre)**

[Analysis of phase II of expiratory partial pressure curves for the diagnosis of pulmonary emphysema (author's transl)] Worth H, et al. **Prax Klin Pneumol** 1980 Jul; 34(7):400–6 (Eng. Abstr.) **(Ger)**

[The assessment of cardiorespiratory performance in pulmonary emphysema (author's transl)] Zwick H, et al. **Z Erkr Atmungsorgane** 1981;156(1):74–84 (Eng. Abstr.) **(Ger)**

[Differential diagnosis between chronic pulmonary emphysema and diffuse panbronchiolitis by the application of a 'theory of quantification' (author's transl)] Tominaga S, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Aug; 18(8):493–500 (Eng. Abstr.) **(Jpn)**

DRUG THERAPY

Comparative effects of reversible and irreversible specific elastase inhibitors on elastase-induced emphysema. Lange F, et al. **Bull Eur Physiopathol Respir** 1980;16 Suppl:407–13

ENZYMOLOGY

Leukocyte elastase-like activity in normal persons and in emphysematous patients with and without alpha-1-antitrypsin deficiency [letter] Abboud RT. **Am Rev Respir Dis** 1980 Nov;122(5):807–8

The moderation of elastase-induced emphysema in the hamster by intratracheal pretreatment or post-treatment with succinyl alanyl alanyl prolyl valine chloromethyl ketone. Stone PJ, et al. **Am Rev Respir Dis** 1981 Jul; 124(1):56–9

Oxidation of alpha 1-proteinase inhibitor as a major, contributing factor in the development of pulmonary emphysema. Travis J, et al. **Bull Eur Physiopathol Respir** 1980;16 Suppl:341–52

Impaired angiotensin conversion and bradykinin clearance in experimental canine pulmonary emphysema. Stalcup SA, et al. **J Clin Invest** 1981 Jan;67(1):201–9

Protease inhibitor phenotypes and pulmonary disease in patients with Sjögren's syndrome. Karsh J, et al. **Respiration** 1981;41(1):60–5

ETIOLOGY

Emphysema associated with intravascular leukocyte sequestration. Comparison with papain-induced emphysema. Guenter CA, et al. **Am Rev Respir Dis** 1981 Jan;123(1):79–84

Widespread panacinar emphysema with alpha-1-antitrypsin deficiency. dAlmaine Semple P, et al. **Br J Dis Chest** 1980 Jul;74(3):289–95

Emphysema: beginning of an understanding [editorial] **Br Med J** 1980 Apr 5;280(6219):961–2

Emphysema: beginning of an understanding [letter] Kennedy MC. **Br Med J** 1980 Aug 2;281(6236):388–9

Pathological and pathogenetic aspects of chronic obstructive lung disease. Bignon J, et al. **Bull Eur Physiopathol Respir** 1980;16 Suppl:13–25 (76 ref.)

Evaluation of the protease-antiprotease theory of human destructive lung disease. Gadek JE, et al. **Bull Eur Physiopathol Respir** 1980;16 Suppl:27–40

Characterization of different elastases. Their possible role in the genesis of emphysema. Robert L, et al. **Bull Eur Physiopathol Respir** 1980;16 Suppl:199–208

Neutral proteases of human polymorphonuclear granulocytes: putative mediators of pulmonary damage. Spitznagel JK, et al. **Environ Health Perspect** 1980 Apr; 35:29–38

Alveolar macrophage secrets. Pierce JA, et al. **J Lab Clin Med** 1981 Apr;97(4):463–6

Pathogenesis of emphysema and chronic bronchitis. Snider GL. **Med Clin North Am** 1981 May;65(3):647–65 (105 ref.)

Acquired lobar emphysema in premature infants with bronchopulmonary dysplasia: an iatrogenic disease? Miller KE, et al. **Radiology** 1981 Mar;138(3):589–92

[Persistent interstitial pulmonary emphysema (author's transl)] Bachy A, et al. **Ann Pediatr (Paris)** 1979 Nov; 26(9):612–20 (Eng. Abstr.) **(Fre)**

[Intrapulmonary interstitial emphysema in ventilatorsy supported infants (author's transl)] Coradello H, et al. **Klin Paediatr** 1980 Sep;192(5):408–14 (Eng. Abstr.) **(Ger)**

[The limpness of the trachea and bronchus as a cause of alveolar emphysema of lungs in young man (author's transl)] Owsiński J. **Przegl Lek** 1981;38(2):315–8 **(Pol)**

[Mechanisms of the development of pulmonary emphysema in smokers] Tishkin OG, et al. **Sov Med** 1980;(11):80–2 (57 ref.) **(Rus)**

[Clinico-anatomical aspects of current theories of pulmonary emphysema] Khazanov AT, et al. **Ter Arkh** 1981; 53(3):119–22 **(Rus)**

[Effect of unilateral obstruction of nasal breathing on the lower respiratory tract under experimental conditions] Gadzhimirzaev GA, et al. **Vestn Otorinolaringol** 1981 Jan–Feb;(1):26–9 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Hereditary emphysema in the tight-skin (Tsk/+) mouse. Szapiel SV, et al. **Am Rev Respir Dis** 1981 Jun;123(6):680–5

The tight-skin mouse: an animal model of inherited emphysema. Rossi GA, et al. **Bull Eur Physiopathol Respir** 1980;16 Suppl:157–66

Host factors in bronchitis and emphysema. Miller RD. **Mayo Clin Proc** 1981 Jul;56(7):460

IMMUNOLOGY

Immunologic identification of elastin-derived peptides in the serums of dogs with experimental emphysema. Kucich U, et al. **Am Rev Respir Dis** 1980 Sep;122(3):461–5

Pulmonary emphysema associated with the FZ alpha 1-antitrypsin phenotype. Cockcroft DW, et al. **Can Med Assoc J** 1981 Mar 15;124(6):737–42

METABOLISM

Elastin content of normal and emphysematous lung parenchyma. Chrzanowski P, et al. **Am J Med** 1980 Sep; 69(3):351–9

Determination of the relative amounts of elastin in lung tissues. Keller S, et al. **Biochem Med** 1981 Feb;25(1):74–80

The tissue response to exogenous elastase. Kuhn C 3d, et al. **Bull Eur Physiopathol Respir** 1980;16 Suppl:127–39
Modifications of 14C-glucosamine incorporation into hamster lung glycoconjugates in elastase induced emphysema. Lafuma C, et al.
Bull Eur Physiopathol Respir 1980;16 Suppl:91–6
Glycosaminoglycans (GAG) in the pathogenesis of the flaccid lung syndrome. Laros CD, et al.
Bull Eur Physiopathol Respir 1980;16 Suppl:107–13
Lung scleroproteins in young and adult rat and in rat with spontaneous emphysema: comparative study by biochemical and histochemical approach. Levame M.
Bull Eur Physiopathol Respir 1980;16 Suppl:115–24
Glycosaminoglycans in elastase induced emphysema. Moczar M, et al. **Bull Eur Physiopathol Respir** 1980;16 Suppl:99–104
Lung elastin content in normal and emphysematous lungs. Turino GM, et al. **Bull Eur Physiopathol Respir** 1980;16 Suppl:43–57
The deposition, distribution and retention of inhaled 239PuO2 in the lungs of rats with pulmonary emphysema. Lundgren DL, et al. **Health Phys** 1981 Feb;40(2):231–5
Lung lipids in experimental emphysema. Singh WG, et al. **Indian J Biochem Biophys** 1980 Feb;17(1):61–6
Correlation between biochemical and morphological repair in rabbit lungs after elastase injury. Fonzi L, et al.
Lung 1980;158(3):165–71

OCCURRENCE

Respiratory functional disturbances in alpha 1-antitrypsin deficits. Sadoul P, et al. **Bull Eur Physiopathol Respir** 1980; 16 Suppl:293–9
Comparative prevalence and severity of emphysema and bronchitis at autopsy in cotton mill workers vs controls. Pratt PC. **Chest** 1981 Apr;79(4 Suppl):49S–53S
Chronic bronchitis and emphysema in Nepal. Shrestha NK, et al. **Indian J Chest Dis Allied Sci** 1980 Oct–Dec; 22(4):214–9

PATHOLOGY

Morphologic changes in the muscular pulmonary arteries: relationship to cigarette smoking, airway disease, and emphysema. Hale KA, et al. **Am Rev Respir Dis** 1980 Aug; 122(2):273–8
A quantitative study of stenosis in the respiratory bronchiole of the rat in NO2-induced emphysema. Juhos LT, et al. **Am Rev Respir Dis** 1980 Mar;121(3):541–9
Emphysema associated with intravascular leukocyte sequestration [letter] Snider GL. **Am Rev Respir Dis** 1981 Aug;124(2):204–5
Radiological–pathological correlations in pulmonary disease: a simplified method for the study of post-mortem lungs. Langlois SL, et al. **Australas Radiol** 1980 Nov;24(3):262–9
Relation between progressive massive fibrosis, emphysema, and pulmonary dysfunction in coalworkers' pneumoconiosis. Lyons JP, et al. **Br J Ind Med** 1981 May; 38(2):125–9
An autopsy case of large pulmonary bulla with senile emphysema and the indication of surgery to senile pulmonary emphysema. Nakamura H, et al.
Bronchopneumologie 1980 May–Jun;30(3):236–40
Ultrastructural evidence of mucociliary function impairment induced by elastase. Lungarella G, et al.
Bull Eur Physiopathol Respir 1980;16 Suppl:167–73
Anaesthesia for the patient with a coincidental giant lung bulla: a case report. Caseby NG. **Can Anaesth Soc J** 1981 May;28(3):272–6
A necropsy study of pulmonary emphysema in Delhi. Singh T, et al. **Indian J Chest Dis Allied Sci** 1980 Oct–Dec; 22(4):230–5
Correlation between lung structure and function in a canine model of emphysema. Klassen T, et al. **J Appl Physiol** 1981 Aug;51(2):321–6
Atypical cilia in rabbit bronchial epithelial cells induced by elastase: an ultrastructural study. Lungarella G, et al.
J Pathol 1980 Aug;131(4):379–83
[Pulmonary bullae in dystrophic emphysema (dystrophic pulmonary emphysema, or emphysematous disease)] Renault P. **Bronchopneumologie** 1980 May–Jun; 30(3):163–72 **(Fre)**
[Morphological classification of surgical forms of bullous emphysema in adult. Role of electron microscopy (author's transl)] Lange F, et al. **Rev Fr Mal Respir** 1980;8(2):99–108 (Eng. Abstr.) **(Fre)**
[Anatomopathological studies of broncho-bronchiolar obstruction] Dini S. **Arch De Vecchi Anat Patol** 1979 Mar; 63(3):609–23 (70 ref.) **(Ita)**

PHYSIOPATHOLOGY

Lung sounds in patients with emphysema. Ploysongsang Y, et al. **Am Rev Respir Dis** 1981 Jul;124(1):45–9
Reproducibility of maximum expiratory flow in severe chronic obstructive pulmonary disease. Rossoff LJ, et al.
Bull Eur Physiopathol Respir 1979;15(6):1129–36
Intrathoracic airway mechanics in patients with emphysema. Yernault JC, et al. **Bull Eur Physiopathol Respir** 1980;16 Suppl:381–6
Crippled lung: variations on a theme by Macleod. Quintero J, et al. **Eur J Respir Dis** 1980 Aug;61(4):181–94
Pressure–volume characteristics of excised human lungs: effects of sex, age, and emphysema. Berend N, et al.
J Appl Physiol 1980 Oct;49(4):558–65
Correlation between lung structure and function in a canine model of emphysema. Klassen T, et al. **J Appl Physiol** 1981 Aug;51(2):321–6
Lung growth and airway function after lobectomy in infancy for congenital lobar emphysema. McBride JT, et al.
J Clin Invest 1980 Nov;66(5):962–70
Role of chemosensitivity during exercise in normal subjects and patients with pulmonary emphysema. Kawakami Y, et al. **Respiration** 1981;41(1):1–7
Elastin fragments attract macrophage precursors to diseased sites in pulmonary emphysema. Hunninghake GW, et al. **Science** 1981 May 22;212(4497):925–7
Maximum volumes in excised human lungs: effects of age, emphysema, and formalin inflation. Berend N, et al.
Thorax 1980 Nov;35(11):859–64
Elastic recoil changes in early emphysema. Silvers GW, et al. **Thorax** 1980 Jul;35(7):490–5
[Application of the exponential model to the study of pressure–volume curves in respiratory pathophysiology (author's transl)] Colomer PR, et al.
Bull Eur Physiopathol Respir 1980 Jul–Aug;16(4):443–58 **(Fre)**
[Tests concerning aeration or ventilation modalities of voluminous emphysematous bullae (author's transl)] Brune J, et al. **Rev Fr Mal Respir** 1980;8(2):144–6 (Eng. Abstr.) **(Fre)**
[Right heart haemodynamics in bullous emphysema associated or not with diffuse emphysema. Interest in surgical indication (author's transl)] Daussy M.
Rev Fr Mal Respir 1980;8(2):147–8 (Eng. Abstr.) **(Fre)**
[Hemodynamics of bullous emphysema – a new syndrome: cardiac tamponade emphysematous] Even P, et al.
Rev Fr Mal Respir 1980;8(2):117–20 **(Fre)**
[Exploration of regional function with the aid of Xenon 133 in emphysema with bullae: pre- and postoperative study] Moyses B, et al. **Rev Fr Mal Respir** 1980;8(2):143 **(Fre)**
[Results of surgery in bullous emphysema (author's transl)] Paris F, et al. **Rev Fr Mal Respir** 1980;8(2):149–50 (Eng. Abstr.) **(Fre)**
[Clinical and physiological post-operative course of 45 bullous emphysema (author's transl)] Roeslin N, et al.
Rev Fr Mal Respir 1980;8(2):132–42 (Eng. Abstr.) **(Fre)**
[Physiopathology of diffuse and bullous emphysema (author's transl)] Weitzenblum E. **Rev Fr Mal Respir** 1980; 8(2):109–16 (26 ref.) (Eng. Abstr.) **(Fre)**
[Variations in the anamnestic, clinical and lung function data on chronic bronchitis and pulmonary emphysema; an analysis of the results obtained by questionnaire during 1967–1969 and 1972–1975 (author's transl)] Verfürth J, et al. **Prax Klin Pneumol** 1980 Jul;34(7):414–34 (Eng. Abstr.) **(Ger)**
[Ventilatory control during exercise in chronic pulmonary emphysema (author's transl)] Yamamoto H, et al.
Kokyu To Junkan 1981 Jan;29(1):39–49 **(Jpn)**
[Exercise testing in chronic pulmonary emphysema (author's transl)] Kawakami Y.
Nippon Kyobu Shikkan Gakkai Zasshi 1980 Oct; 18(10):705–10 (Eng. Abstr.) **(Jpn)**
[Aerodynamic and circulatory characteristics in the lungs in papain emphysema in dogs] Putov NV, et al.
Patol Fiziol Eksp Ter 1980;(4):40–4 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Prevention of elastase-induced experimental emphysema by oral administration of a synthetic elastase inhibitor. Janoff A, et al. **Am Rev Respir Dis** 1980 Jun;121(6):1025–9
Prevention of elastase-induced experimental emphysema by a synthetic elastase inhibitor administered orally. Janoff A, et al. **Bull Eur Physiopathol Respir** 1980;16 Suppl:399–405

RADIOGRAPHY

Comparison between pulmonary emphysema and chronic bronchitis: an assessment by selective alveolo-bronchography. Homma Y, et al.
Hokkaido Igaku Zasshi 1980 May;55(3):207–21
The value of cardiac catheterization and cineangiography in infantile lobar emphysema. Roguin N, et al.
Pediatr Radiol 1980 Nov;10(2):71–4
Radiographic case of the month: Acute obstructive emphysema secondary to aspirated peanut. Deutsch AM, et al. **RI Med J** 1980 Nov;63(11):425–6
[Panlobular emphysema. Value of radiology to assess the need for surgery (author's transl)] Grenier P, et al.
J Radiol 1980 Nov;61(11):693–8 (Eng. Abstr.) **(Fre)**
[X-ray differential diagnosis of unilateral pulmonary emphysematous expansion in newborn and babies (author's transl)] Hegenbarth R, et al. **Roentgenblaetter** 1980 Nov; 33(11):539–47 (Eng. Abstr.) **(Ger)**

REHABILITATION

Effectiveness of teaching in the rehabilitation of patients with chronic bronchitis and emphysema. Perry JA. **Nurs Res** 1981 Jul–Aug;30(4):219–22

SURGERY

Clinical indications and results of surgery for bullous enphysema. Bariffi F, et al. **Bronchopneumologie** 1980 May–Jun;30(3):228–35
Surgery of emphysema in adults. Theoretical basis for surgery in emphysema and the means of pre-operative assessment. Hugh-Jones P. **Bronchopneumologie** 1980;30(4):269–77
The surgical treatment of bullous emphysema. A new method for management of giant bulla. Kuwabara M, et al.
Bronchopneumologie 1980 May–Jun;30(3):202–11
Bullous emphysema: guidelines for management and results of operative treatment. Weissberg D.
Bronchopneumologie 1980 May–Jun;30(3):198–201
Giant bullous emphysema: a surgical disease. Mattingly WT Jr, et al. **J Ky Med Assoc** 1981 Jul;79(7):421–4
Simultaneous bilateral operations for bullous emphysema by median sternotomy. Iwa T, et al.
J Thorac Cardiovasc Surg 1981 May;81(5):732–7
[Surgical treatment of bullous emphysema and its results (author's transl)] Ding JA.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1980 Sep;3(3):141–3 **(Chi)**
[Operative treatment of serious giant bullous emphysema (author's transl)] Zhao ZQ.
Chung Hua Wai Ko Tsa Chih 1981 Apr;19(4):222–3 (Eng. Abstr.) **(Chi)**
[Surgery of pulmonary emphysema] Eschapasse H, et al.
Bronchopneumologie 1980 May–Jun;30(3):173–81 **(Fre)**
[A privileged observation of a case of bilateral bullous emphysema treated surgically] Petit MA, et al.
Bronchopneumologie 1980 May–Jun;30(3):212–27 **(Fre)**
[Clinical and functional development of 45 patients operated on for bullous emphysema] Witz JP, et al.
Bronchopneumologie 1980 May–Jun;30(3):193–7 **(Fre)**
[Interest of pleurectomy as a complement of emphysematous bullae resections (author's transl)] Eschapasse H, et al.
Rev Fr Mal Respir 1980;8(2):155–8 (Eng. Abstr.) **(Fre)**
[Results of surgery in bullous emphysema (author's transl)] Paris F, et al. **Rev Fr Mal Respir** 1980;8(2):149–50 (Eng. Abstr.) **(Fre)**
[Surgical treatment of bullae in diffuse emphysema (author's transl)] Touaty E, et al. **Rev Fr Mal Respir** 1980;8(2):153–4 (Eng. Abstr.) **(Fre)**
[Surgery of bullous emphysema in the adult. Long-term results] Witz JP, et al. **Rev Fr Mal Respir** 1980;8(2):121–31 **(Fre)**
[Thoraco-pulmonary surgery for the removal of lesions causing respiratory insufficiency: current theoretical and practical trends in rehabilitation medicine] Rickler R, et al. **Arch Monaldi** 1979 Jul–Aug;34(4):197–210 (Eng. Abstr.) **(Ita)**
[Report of the 28th Congress of the International Broncho-Pneumology Association, Bruges, 16–19 May 1979. Surgery of pulmonary emphysema]
Bronchopneumologie 1980 May–Jun;30(3):163–240 **(Mul)**
[Stress-induced posttraumatic pulmonary emphysema eliminated by means of reconstructive bronchial resection] Bogdan TT. **Vestn Khir** 1981 Jan;126(1):98–102 **(Rus)**

THERAPY

Opportunities for the specific therapy of destructive lung disease. Gadek JE, et al. **Bull Eur Physiopathol Respir** 1980; 16 Suppl:389–98
Chronic bronchitis and pulmonary emphysema. Johnston RF, et al. **Compr Ther** 1981 Jun;7(6):61–70
The management of spontaneous pneumothorax and bullous emphysema. DeVries WC, et al. **Surg Clin North Am** 1980 Aug;60(4):851–66
[Indication or surgical abstention in the treatment of emphysematous bullae (author's transl)] Roegel E, et al.
Rev Fr Mal Respir 1980;8(2):161–2 (Eng. Abstr.) **(Fre)**
[Therapy of enlarging emphysematous bullae during acute respiratory failure (author's transl)] Touaty E, et al.
Rev Fr Mal Respir 1980;8(2):159–60 (Eng. Abstr.) **(Fre)**

VETERINARY

Subcutaneous and pulmonary emphysema as complications of bovine ephemeral fever. Theodoridis A, et al.
Onderstepoort J Vet Res 1979 Sep;46(3):125–7

PULMONARY FIBROSIS

Interstitial lung disease: current concepts of pathogenesis, staging and therapy. Crystal RG, et al. **Am J Med** 1981 Mar;70(3):542–68 (244 ref.)

BLOOD

Different distributions of kinetically apparent molecular varieties of alpha 2-macroglobulin in health and in patients with cryptogenic fibrosing alveolitis. Topping RM, et al.
Clin Sci 1981 Mar;60(3):261–5
Mechanisms of neutrophil accumulation in the lungs of patients with idiopathic pulmonary fibrosis. Hunninghake GW, et al. **J Clin Invest** 1981 Jul;68(1):259–69

CHEMICALLY INDUCED

Ozone-induced acute pulmonary fibrosis in rats. Prevention of increased rates of collagen synthesis by methylprednisolone. Hesterberg TW, et al.
Am Rev Respir Dis 1981 Jan;123(1):47–52
Sulindac and pneumonitis [letter] Fein M.
Ann Intern Med 1981 Aug;95(2):245
Tocainide-associated interstitial pneumonitis. Perlow GM, et al. **Ann Intern Med** 1981 Apr;94(4 pt 1):489–90
Relationship of gold and penicillamine therapy to diffuse interstitial lung disease. Scott DL, et al.
Ann Rheum Dis 1981 Apr;40(2):136–41

Failure of corticosteroids to prevent carmustine-induced pulmonary fibrosis in a woman with astrocytoma. Klein RC, et al. **Arch Neurol** 1981 Jun;38(6):392–3

Cyclophosphamide-induced lung damage in mice: protection by a small preliminary dose. Collis CH, et al. **Br J Cancer** 1980 Jun;41(6):901–7

Pulmonary disease from occupational exposure to an artificial aluminium silicate used for cat litter. Musk AW, et al. **Br J Ind Med** 1980 Nov;37(4):367–72

A deadly oil. Ross G. **Br Med J [Clin Res]** 1981 Aug 8; 283(6288):424–5

Pulmonary fibrosis following therapy with melphalan: report of two cases. Major PP, et al. **Can Med Assoc J** 1980 Aug 9;123(3):197–202

Zinostatin-related pulmonary toxicity [letter] Calvo DB 3d, et al. **Cancer Treat Rep** 1981 Jan-Feb;65(1-2):165–7

Early pulmonary toxicity after administration of high-dose BCNU. Litam JP, et al. **Cancer Treat Rep** 1981 Jan-Feb; 65(1-2):39–44

The nitrosoureas and pulmonary toxicity. Weiss RB, et al. **Cancer Treat Rev** 1981 Jun;8(2):111–25

Pulmonary manifestations of vinyl and polyvinyl chloride (interstitial lung disease). Newer aspects. Cordasco EM, et al. **Chest** 1980 Dec;78(6):828–34

Ozone toxicity as a model of lung fibrosis. Cross CE, et al. **Chest** 1981 Jul;80(1 Suppl):52–4

Vinyl chloride and polyvinyl chloride exposure and occupational lung disease. Lilis R. **Chest** 1980 Dec; 78(6):826–8

Busulphan lung in childhood. Oakhill A, et al. **J Clin Pathol** 1981 May;34(5):495–500

Collagen biosynthesis in bleomycin-induced pulmonary fibrosis in hamsters. Clark JG, et al. **J Lab Clin Med** 1980 Dec;96(6):943–53

Bleomycin-induced pulmonary fibrosis in the rat. Prevention with an inhibitor of collagen synthesis. Kelley J, et al. **J Lab Clin Med** 1980 Dec;96(6):954–64

Interstitial pneumonitis induced by ingestion of palmitoyl glycerol. Schnitzer-Polokoff R, et al. **J Nutr** 1980 Dec; 110(12):2396–408

Interstitial pneumonitis and pleural effusion in a one-year-old child with an abdominal tumor [clinical conference] Platzker AC, et al. **J Pediatr** 1981 Mar;98(3):497–502

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 41-1980. **N Engl J Med** 1980 Oct 16;303(16):927–33

1,3-Bis(2-chloroethyl)-1-nitrosourea (BCNU)-induced pulmonary fibrosis. Selker RG, et al. **Neurosurgery** 1980 Dec;7(6):560–5

Pentose pathway in pulmonary fibrosis due to chronic paraquat poisoning. Saunier C, et al. **Respiration** 1980; 40(2):69–75

Pulmonary toxicity of bleomycin analogs. Raisfeld IH. **Toxicol Appl Pharmacol** 1980 Dec;56(3):326–36

[Lung changes after paraquat as an experimental model of the respiratory distress in the newborn and diffuse interstitial fibrosis of the lung] Haškovcova I, et al. **Sb Lek** 1981 Mar;83(2-3):82–6 (Eng. Abstr.) **(Cze)**

[Drug induced interstitial lung diseases after treatment with cotrimoxazole. 2 cases (letter)] Guerin JC, et al. **Nouv Presse Med** 1980 Sep 20;9(33):2347 **(Fre)**

[Pleuro-pulmonary fibrosis caused by methysergide (letter)] Lambard J, et al. **Nouv Presse Med** 1981 Jul 4;10(29):2440–1 **(Fre)**

[Interstitial pulmonary fibrosis following treatment with bis-chloronitrosourea] Bardella D, et al. **Tumori** 1981 Feb 28;67(1):53–6 (Eng. Abstr.) **(Ita)**

[Morphological changes in the lungs of rats after intraperitoneal administration of bleomycin] Wierzejska H, et al. **Pneumonol Pol** 1981;49(4):267–74 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Fibrosing alveolitis and chronic airflow limitation [letter] Thurlbeck WM. **Chest** 1981 May;79(5):614–5

Long-term development of pulmonary hypertension in cryptogenic fibrosing alveolitis. Fučík J, et al. **Cor Vasa** 1980;22(4):245–50

An experimental study on carcinogenesis related to localized fibrosis in the lung. Ohwada H, et al. **Gan** 1980 Jun; 71(3):285–91

Spontaneous remission of erythroleukemia following interstitial pneumonia. Aderka D, et al. **NY State J Med** 1981 Apr;81(5):772–3

Dendriform pulmonary ossification. Müller KM, et al. **Pathol Res Pract** 1980;168(1-3):163–72

Diffuse interstitial pulmonary fibrosis, dermatomyositis and lung cancer--a case report. Wang YT, et al. **Singapore Med J** 1980 Dec;21(6):778–80

Cryptogenic fibrosing alveolitis and lung cancer. Turner-Warwick M, et al. **Thorax** 1980 Jul;35(7):496–9

[Combined defect of cellular and humoral immunity in diffuse interstitial fibrosing pneumonia] Pešek M, et al. **Vnitr Lek** 1981 May;27(5):505–8 (Eng. Abstr.) **(Cze)**

[Dermatomyositis associated with pulmonary fibrosis and Hashimoto's thyroiditis (letter)] Clotet B, et al. **Nouv Presse Med** 1981 Apr 25;10(18):1501–2 **(Fre)**

[Coincidence of pulmonary fibrosis and bronchial carcinoma (author's transl)] Blaha H, et al. **MMW** 1981 Feb 20; 123(8):289–94 (Eng. Abstr.) **(Ger)**

[Usefulness of electrocardiographic records in extreme right leads in the early diagnosis of circulatory disorders in children with various respiratory tract disease] Matoga S, et al. **Pediatr Pol** 1981;56(4):357–62 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Interstitial lung disease [editorial] **Am Fam Physician** 1981 Jul;23(1):93

Elemental content in alveolar septa in various pneumoconioses. Siegesmund KA, et al. **Scan Electron Microsc** 1980;(Pt 2):485–91

Gallium scans and serum angiotensin converting enzyme levels in talc granulomatosis and lymphocytic interstitial pneumonitis. Farber HW, et al. **South Med J** 1980 Dec; 73(12):1663–7

[Misdiagnosis of 'pulmonary fibrosis'] Steinbeck G, et al. **Internist (Berlin)** 1980 Jun;21(6):346–9 **(Ger)**

[Immunological laboratory diagnosis of interstitial pneumonias (author's transl)] Fooke-Achterrath M. **Prax Klin Pneumol** 1981 Mar;35(3):119–22 (Eng. Abstr.) **(Ger)**

[Transthoracic lung biopsy in interstitial pulmonary diseases (author's transl)] Haenselt V, et al. **Z Erkr Atmungsorgane** 1980;155(3):305–13 (Eng. Abstr.) **(Ger)**

[Diagnosis of disseminated processes in the lungs] Il'kovich MM, et al. **Sov Med** 1981;(1):87–91 (45 ref.) **(Rus)**

DRUG THERAPY

Cryptogenic fibrosing alveolitis. Relationships of pulmonary physiology and bronchoalveolar lavage to response to treatment and prognosis. Rudd RM, et al. **Am Rev Respir Dis** 1981 Jul;124(1):1–8

Paraquat poisoning and colchicine treatment [letter] Vincken W, et al. **Ann Intern Med** 1981 Sep;95(3):391–2

Diffuse interstitial lung disease. Teirstein AS, et al. **Hosp Pract** 1981 Jun;16(6):126–36

Human dialysable leucocyte extracts (transfer factor) in interstitial pneumonia. A retrospective trial in immunodeficient patients. Moulias R, et al. **J Clin Lab Immunol** 1981 Jul;6(1):13–6

Evaluation of antifibrotic drugs in bleomycin-induced pulmonary fibrosis in hamsters. Zuckerman JE, et al. **J Pharmacol Exp Ther** 1980 Jun;213(3):425–31

Late results of preventive chemotherapy in persons with fibrotic lesions of the lung ; benefit, cost and risk (from the IUAT isoniazid prophylaxis trial). Krebs A, et al. **Rev Ig [Pneumoftiziol]** 1980 Apr-Jun;29(2):77–82

Response to methotrexate in fibrosing alveolitis associated with connective tissue disease. Scott DG, et al. **Thorax** 1980 Oct;35(10):725–32

Cryptogenic fibrosing alveolitis: response to corticosteroid treatment and its effect on survival. Turner-Warwick M, et al. **Thorax** 1980 Aug;35(8):593–9

[The treatment of lung fibrosis (author's transl)] Liebetrau G, et al. **Z Erkr Atmungsorgane** 1980 May;155(2):220–4 (Eng. Abstr.) **(Ger)**

[Therapy of chronic fibrosing alveolitis (author's transl)] Vetter N, et al. **Z Erkr Atmungsorgane** 1980 Mar; 154(3):313–5 (Eng. Abstr.) **(Ger)**

[Preventive use of INH in patients with pulmonary fibrosis. Part II. Results of treatment. Discussion] Chwalibóg B. **Pneumonol Pol** 1980 Sep;48(9):589–99 (Eng. Abstr.) **(Pol)**

[Preventive use of INH in patients with pulmonary fibrosis. Part I. Objectives, methods, material, patient acceptance and the tolerance of the treatment] Chwalibóg B. **Pneumonol Pol** 1980 Sep;48(9):581–8 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

Pulmonary fibrosis and angiotensin I-converting enzyme [letter] Vats TS. **N Engl J Med** 1980 Dec 25;303(26):1533

ETIOLOGY

Upper lobe fibrosis and cavitation in rheumatoid disease. Petrie GR, et al. **Br J Dis Chest** 1980 Jul;74(3):263–7

Pulmonary asbestosis and idiopathic pulmonary fibrosis: pathogenetic parallels. Gadek J, et al. **Chest** 1981 Jul;80(1 Suppl):63–4

A pathogenetic mechanism in lung fibrosis. Witschi H, et al. **Chest** 1980 Aug;78(2 Suppl):395–9

Malignancy associated dermatomyositis with fibrosing alveolitis. Report of a case with a discussion of the management. Holmes R, et al. **Clin Exp Dermatol** 1980 Dec; 5(4):415–20

Proposed estimates of te probability of inducing pulmonary injury sufficient to cause death from radiation pneumonitis and pulmonary fibrosis after briefly inhaling a mixture of insoluble beta-emitting particles. Scott BR. **Health Phys** 1980 Apr;38(4):635–42

A comparison of the pathological effects in rats of the UICC reference samples of amosite and chrysotile with those of amosite and chrysotile collected from the factory environment. Davis JM, et al. **IARC Sci Publ** 1980; 1(30):285–92

A possible role for trace metals on the development of lung fibrogenic response in workers exposed to flax dust. El-Gazzar R, et al. **J Egypt Public Health Assoc** 1979; 54(5-6):345–58

Mitogenicity and pathogenicity of Mycoplasma pulmonis in rats. I. Atypical interstitial pneumonia induced by mitogenic myeoplasmal membranes. Naot Y, et al. **J Infect Dis** 1981 Jan;143(1):55–62

Fibrotic lung disease--a perspective. Karlinsky JB, et al. **J Lab Clin Med** 1980 Dec;96(6):939–42

Dermatomyositis without apparent myositis, complicated by fibrosing alveolitis. Fernandes L, et al. **J R Soc Med** 1979 Oct;72(10):777–9

Interstitial pneumonitis associated with mitomycin C and DTIC: a case report. Yoon JM, et al. **Med Pediatr Oncol** 1981;9(1):61–7

Acute interstitial pneumonitis and hypoxemia associated with rheumatoid arthritis. Coblyn JS, et al. **Med Times** 1981 Jun;109(6):58–62, 66–8

Interstitial pneumonia induced by a plaque-type variant of mouse adenovirus. Winters AL, et al. **Proc Soc Exp Biol Med** 1981 Jul;167(3):359–64

[Diffuse fibrosing alveolitis] Koĭchev K, et al. **Vutr Boles** 1980;19(4):1–8 (43 ref.) **(Bul)**

[Dermatomyositis associated with lethal pulmonary fibrosis and cutaneous necrosis (author's transl)] Bonafé JL, et al. **Ann Dermatol Venereol** 1981;108(4):363–8 (Eng. Abstr.) **(Fre)**

[Diffuse interstitial pneumopathy associated with limited Sjögren's syndrome (author's transl)] De Crémoux H, et al. **Nouv Presse Med** 1980 Nov 29;9(45):3445–7 (Eng. Abstr.) **(Fre)**

[Humidifier lung] Gerber P, et al. **Schweiz Med Wochenschr** 1981 Feb 7;111(6):182–6 (Eng. Abstr.) **(Ger)**

[Symptoms and findings at the bronchopulmonary system of electric arc welders. II. Communication: pulmonary fibroses (author's transl)] Zober A. **Zentralbl Bakteriol [B]** 1981;173(1-2):120–48 (Eng. Abstr.) **(Ger)**

[Evolutionary aspects of the picture of pulmonary pathology in the course of chronic blood diseases (a correlation with cytostatic treatment)] Spanedda R, et al. **Riv Emoter Immunoematol** 1979;26(1-2):30–8 (Eng. Abstr.) **(Ita)**

[Fibrogenous effect of silica dust from different soil deposits in Poland] Woźniak H, et al. **Med Pr** 1980;31(5):363–9 (Eng. Abstr.) **(Pol)**

[Significance of the dosage value and time factor in the development of radiation pneumosclerosis] Kats MS, et al. **Med Radiol (Mosk)** 1980 Nov;25(11):28–34 (Eng. Abstr.) **(Rus)**

[Significance and mechanism of development of pulmonary cirrhosis after treatment of tuberculosis] Braude VI. **Probl Tuberk** 1980 Nov;(11):63–6 (Eng. Abstr.) **(Rus)**

[Diffuse pulmonary fibrosis. Importance of the patient's occupational history] Tor J, et al. **Rev Clin Esp** 1980 Aug 15-31;158(3-4):167–9 **(Spa)**

FAMILIAL & GENETIC

Is there a fibrotic gene? [letter] Bitterman PB, et al. **Chest** 1980 Oct;78(4):549–50

Idiopathic pulmonary fibrosis in monozygotic twins. The importance of genetic predisposition. Javaheri S, et al. **Chest** 1980 Oct;78(4):591–4

IMMUNOLOGY

Autoantibodies in cryptogenic fibrosing alveolitis. Thomson BD. **Ariz Med** 1981 Jul;38(7):516–8

HLA-B18 antigens and protection from pulmonary fibrosis in asbestos workers. Huuskonen MS, et al. **Br J Dis Chest** 1979 Jul;73(3):253–9

Pulmonary apical fibrocystic disease. A serologic study. Repo UK, et al. **Eur J Respir Dis** 1981 Feb;62(1):46–55

Immunology and asbestos. Wagner MM. **IARC Sci Publ** 1980; 1(30):247–51

Immunologic concepts relating to the pathogenesis of diffuse interstitial lung diseases (emphasizing granulomatous forms and idiopathic pulmonary fibrosis). Reynolds HY. **Trans Am Clin Climatol Assoc** 1979;91:16–31

[Levels of circulating immunocomplexes in the sera of patients with diffuse fibrotic interstitial pneumonia (author's transl)] Pešek M, et al. **Cas Lek Cesk** 1981 Jan 22; 120(2):54–6 (Eng. Abstr.) **(Cze)**

METABOLISM

Collagen concentration and rates of synthesis in idiopathic pulmonary fibrosis. Fulmer JD, et al. **Am Rev Respir Dis** 1980 Aug;122(2):289–301

Bleomycin-induced pulmonary fibrosis in rats: biochemical demonstration of increased rate of collagen synthesis. Phan SH, et al. **Am Rev Respir Dis** 1980 Mar;121(3):501–6

Collagen concentration and rates of synthesis in idiopathic pulmonary fibrosis [letter] Pratt PC. **Am Rev Respir Dis** 1981 Apr;123(4 Pt 1):473–4

Pulmonary fibrosis in experimental acute respiratory disease. Reiser KM, et al. **Am Rev Respir Dis** 1981 Jan;123(1):58–63

Biochemical and structural alterations of hamster lungs in response to intratracheal administration of bleomycin. Giri SN, et al. **Exp Mol Pathol** 1980 Aug;33(1):1–14

Collagen polymorphism in the lung. An immunochemical study of pulmonary fibrosis. Madri JA, et al. **Hum Pathol** 1980 Jul;11(4):353–66

MICROBIOLOGY

[Interstitial pneumonia due to Chlamydia trachomatis in infants. Three cases (author's transl)] Couvreur J, et al.

Nouv Presse Med 1980 Nov 15;9(43):3245–8 (Eng. Abstr.) (Fre)

MORTALITY

HM Dockyard, Devonport: 1947 mortality study. Rossiter CE, et al. **IARC Sci Publ** 1980;2(30):713–21

PATHOLOGY

Acute diffuse interstitial fibrosing pneumonitis and bilateral renal cortical necrosis. Mitsuhashi T, et al. **Acta Pathol Jpn** 1979 Mar;29(2):259–68

Actin-containing cells in human pulmonary fibrosis. Adler KB, et al. **Am J Pathol** 1981 Mar;102(3):427–37

Bleomycin-induced diffuse interstitial pulmonary fibrosis in baboons. II. Further studies on connective tissue changes. Collins JF, et al. **Am Rev Respir Dis** 1981 Mar; 123(3):305–12

Characterization of the inflammatory and immune effector cells in the lung parenchyma of patients with interstitial lung disease. Hunninghake GW, et al. **Am Rev Respir Dis** 1981 Apr;123(4 Pt 1):407–12

Comparison of transbronchial and open biopsies in chronic infiltrative lung diseases. Wall CP, et al. **Am Rev Respir Dis** 1981 Mar;123(3):280–5

Idiopathic pulmonary fibrosis [clinical conference] **Arch Intern Med** 1981 May;141(6):771–4

Polymyositis and diffuse interstitial lung disease. A review of the pulmonary histopathologic findings. Salmeron G, et al. **Arch Intern Med** 1981 Jul;141(8):1005–10

Cryptogenic fibrosing alveolitis: assessment by graded trephine lung biopsy histology compared with clinical, radiographic, and physiological features. Wright PH, et al. **Br J Dis Chest** 1981 Jan;75(1):61–70

Relation between progressive massive fibrosis, emphysema, and pulmonary dysfunction in coalworkers' pneumoconiosis. Lyons JP, et al. **Br J Ind Med** 1981 May; 38(2):125–9

Inorganic particulates associated with desquamative interstitial pneumonia. Abraham JL, et al. **Chest** 1981 Jul; 80(1 Suppl):67–70

Ban the boomerang [editorial] Lillington GA. **Chest** 1981 Aug;80(2):122

Desquamative interstitial pneumonitis. The intra-alveolar cells are macrophages [letter] Singh G, et al. **Chest** 1981 Jan;79(1):128

Morphological definition of a case of 'usual' interstitial pneumonia. Dodson RF, et al. **Cytobios** 1979;26(102):131–5

Ultrastructure of terminal respiratory epithelium and prognosis in chronic interstitial pneumonia. Sutinen S, et al. **Eur J Respir Dis** 1980 Dec;61(6):325–36

Pulmonary fibrosis of low calcium diet fed guinea pigs induced by the administration of a soluble immune complex. Yamaguchi H, et al. **Exp Pathol** 1981;19(3):186–92

Mediastinal and hilar fibrosis. Sobrinho-Simões MA, et al. **Histopathology** 1981 Jan;5(1):53–60

Pulmonary pathology in workers exposed to nonasbestiform talc. Vallyathan NV, et al. **Hum Pathol** 1981 Jan; 12(1):28–35

A histological study of the carrageenan-induced granuloma in the rat lung. Bowers RR, et al. **J Pathol** 1980 Nov; 132(3):243–53

Pulmonary veno-occlusive disease. Morphological changes suggesting a viral cause. McDonnell PJ, et al. **JAMA** 1981 Aug 7;246(6):667–71

Pulmonary Langerhans' cells in patients with fibrotic lung disorders. Kawanami O, et al. **Lab Invest** 1981 Mar; 44(3):227–33

Bronchoalveolar lavage fluid cell counts in cryptogenic fibrosing alveolitis and their relation to therapy. Haslam PL, et al. **Thorax** 1980 May;35(5):328–39

[Hamman-Rich syndrome] Ianev P, et al. **Vutr Boles** 1980; 19(6):105–9 (Eng. Abstr.) (Bul)

[Muscular cirrhosis of lung: a case report and review of literature (author's transl)] Hou J. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1979;2(4):222–4 (Chi)

[Histopathologic study of interstitial pneumopathy in immunodepressed children. A propos of 22 cases] Nogues C, et al. **Ann Pediatr (Paris)** 1980 Apr;27(4):207–16 (Eng. Abstr.) (Fre)

[Endoalveolar cytology in pulmonary fibrosis] Aliperta A, et al. **Bronchopneumologie** 1980;30(4):279–87 (Fre)

[Idiopathic fibrogenous interstitial pneumopathy] Chrétien J. **Schweiz Med Wochenschr** 1980 Dec 6;110(49):1846–51 (Eng. Abstr.) (Fre)

[Reversibility of shock-induced pulmonary fibrosis (author's transl)] Hassenstein J, et al. **Anaesth Intensivther Notfallmed** 1980 Aug;15(4):340–9 (Eng. Abstr.) (Ger)

[A documented case of typical Hamman-Rich interstitial pulmonary fibrosis] Ferraro U, et al. **Minerva Med** 1981 Jun 23;72(25):1599–603 (Eng. Abstr.) (Ita)

[Desquamative interstitial pneumopathy] Anzalone M. **Torace** 1977 Dec;20(1-4):44–5 (Ita)

[Alveolar septal changes in idiopathic pulmonary fibrosis (author's transl)] Honma Y, et al. **Hokkaido Igaku Zasshi** 1980 Mar;55(2):105–18 (Eng. Abstr.) (Jpn)

[Chronic interstitial pneumonia in dogs induced by herbicide paraquat—histological and physiological study] Minami H. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Dec; 18(12):905–12 (Eng. Abstr.) (Jpn)

[A case of biopsied and necropsied desquamative interstitial pneumonia (author's transl)] Suzuki A, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Jun;18(6):410–6 (Eng. Abstr.) (Jpn)

[Case of Hamman-Rich disease] Shul'tsev GP, et al. **Klin Med (Mosk)** 1980 Dec;58(12):96–7 (Rus)

[Reiter's syndrome and interstitial desquamative pneumonia. Considerations on a case] Miguel de la Villa F, et al. **Rev Clin Esp** 1980 Nov 15;159(3):203–6 (Spa)

PHYSIOPATHOLOGY

Clinical significance of the ratio between breath-holding and steady-state diffusing capacity in patients with chronic bronchitis and diffuse lung fibrosis. Kanaev NN, et al. **Bull Eur Physiopathol Respir** 1980 Jul-Aug;16(4):511–9

Pathophysiology and morphometry of the early pulmonary fibrosis in dogs. Derks CM, et al. **Bull Physiopathol Respir (Nancy)** 1980 Nov-Dec; 16(6):733–43

The prognostic significance of functional tests in cryptogenic fibrosing alveolitis. Jezek V, et al. **Bull Physiopathol Respir (Nancy)** 1980 Nov-Dec; 16(6):711–20

The effect of diffuse pulmonary fibrosis on lung mechanics. Murphy DM, et al. **Bull Physiopathol Respir (Nancy)** 1981 Jan-Feb;17(1):27–41

Clinical significance of pulmonary function tests. Pulmonary function testing in interstitial pulmonary disease. What does it tell us? Keogh BA, et al. **Chest** 1980 Dec;78(6):856–65

Crippled lung: variations on a theme by Macleod. Quintero J, et al. **Eur J Respir Dis** 1980 Aug;61(4):181–94

[Application of the exponential model to the study of pressure-volume curves in respiratory pathophysiology (author's transl)] Colomer PR, et al. **Bull Eur Physiopathol Respir** 1980 Jul-Aug;16(4):443–58 (Fre)

[The compliance-volume relationship in healthy persons and in cases of fibrosis of the lungs and pulmonary emphysema (author's transl)] Bugalho de Almeida AA, et al. **Prax Klin Pneumol** 1980 Dec;34(12):739–45 (Eng. Abstr.) (Ger)

[Respiratory function impairment in idiopathic pulmonary fibrosis: with special emphasis on the apparently obstructive signs of small airways (author's transl)] Minami Y. **Hokkaido Igaku Zasshi** 1980 May;55(3):251–65 (Eng. Abstr.) (Jpn)

[Pulmonary fibrosis (author's transl)] Arita K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Oct; 18(10):696–704 (Eng. Abstr.) (Jpn)

[Pulmonary circulation at rest and during exercise in patients with idiopathic interstitial pulmonary fibrosis] Hawrylkiewicz I, et al. **Pol Arch Med Wewn** 1981; 65(5):377–84 (Eng. Abstr.) (Pol)

[Measles. Contribution to the study of some aspects of pulmonary function] Kuschnaroff TM, et al. **Rev Inst Med Trop Sao Paulo** 1980 Mar-Apr;22(2):69–77 (Eng. Abstr.) (Por)

[Fibrosing alveolitis and respiratory insufficiency] Cano-Valle F, et al. **Gac Med Mex** 1980 Aug;116(8):365–70 (Spa)

PREVENTION & CONTROL

Prevention of bleomycin-induced pulmonary fibrosis in the hamster by cis-4-hydroxy-l-proline. Riley DJ, et al. **Am Rev Respir Dis** 1981 Apr;123(4 Pt 1):388–93

[Anti-pulmonary fibrosis effect of acexamic acid in bleomycin therapy] Bronner G, et al. **J Fr Otorhinolaryngol** 1980 Sep;29(7):471–8 (Fre)

[Trial of preventing the aggravation of pulmonary fibrosis in miners with pneumoconiosis in the Nord and Pas-de Calais coal mines] Amoudru C, et al. **Lille Med** 1980 Dec; 25(10):554–8 (Fre)

[Prevention and treatment of fibrous bronchial stenoses in pulmonary tuberculosis] Shesterina MV, et al. **Probl Tuberk** 1980 Sep;(9):27–30 (Eng. Abstr.) (Rus)

RADIOGRAPHY

Clinical and radiological study in sepiolite workers. Baris YI, et al. **Arch Environ Health** 1980 Nov-Dec;35(6):343–6

Bleomycin-induced pulmonary fibrosis mimicking recurrent metastatic disease in a patient with testicular carcinoma: case report of the CT scan appearance. Nachman JB, et al. **Cancer** 1981 Jan 15;47(2):236–9

Pulmonary cysts in progressive systemic sclerosis (scleroderma). Henry DA. **Rev Interam Radiol** 1980 Oct; 5(4):113–6

[Interstitial lung disease with normal chest x-ray. Confirmation by respiratory function tests and pneumatic trephine biopsy of the parenchyma] Blanchette G, et al. **Union Med Can** 1980 Jun;109(6):895–900 (Eng. Abstr.) (Fre)

[Aspects of a case of interstitial desquamative pulmonitis] Mostachetti Canavesi A. **Radiol Med (Torino)** 1980 Mar; 66(3):149–51 (Ita)

[Interstitial pneumonia] Nobechi T, et al. **Rinsho Hoshasen** 1981 Jan;26(1):75–100 (Jpn)

[Pulmonary pseudofibrosis simulating tuberculosis in Fallot's complex. Description of a case] Marquetti PR, et al. **AMB** 1980 Aug;26(8):265–6 (Eng. Abstr.) (Por)

[Chest radiology in rheumatoid arthritis. A study of 89 patients (author's transl)] Arnal C, et al. **Med Clin (Barc)** 1981 Jan 25;76(2):49–51 (Eng. Abstr.) (Spa)

RADIONUCLIDE IMAGING

[Investigations for the quantitative detection of pulmonary fibrosis as late damages following the effects of fast neutron and 60Co-gamma-radiation (author's transl)] Magdon E, et al. **Radiobiol Radiother (Berl)** 1980;21(6):765–70 (Eng. Abstr.) (Ger)

THERAPY

Fulminant lupus pneumonitis with acute renal failure and RBC aplasia. Successful management with plasmapheresis and immunosuppression. Isbister JP, et al. **Arch Intern Med** 1981 Jul;141(8):1081–3

VETERINARY

Chronic interstitial pneumonia in association with a granulomatous encephalitis in a goat. Robinson WF. **Aust Vet J** 1981 Mar;57(3):127–31

Silicate pneumoconiosis and pulmonary fibrosis in horses from the Monterey-Carmel peninsula. Schwartz LW, et al. **Chest** 1981 Jul;80(1 Suppl):82–5

Diffuse alveolar damage with fibrosing alveolitis in a horse. Turk JR, et al. **Vet Pathol** 1981 Jul;18(4):560–2

PULMONARY HEART DISEASE

BLOOD

[Rheological observations of blood in chronic bronchitis, pulmonary emphysema, cor pulmonale and studies on the effect of Datura metal L in improving circulation and relieving stasis (author's transl)] Zheng ZX. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1980 Feb;3(2):65–8 (Chi)

[Ammonia content of mixed venous blood (obtained from pulmonary artery) and arterial blood in patients with pulmonary heart disease] Tulczyński M, et al. **Pneumonol Pol** 1981;49(4):287–90 (Eng. Abstr.) (Pol)

[Plasma hemostasis disorders in patients with pulmonary heart disease and manifest right-ventricular circulatory insufficiency] Dmoszyńska-Giannopoulou A, et al. **Wiad Lek** 1981 Mar 15;34(6):441–7 (Eng. Abstr.) (Pol)

[Blood kinin system in chronic cor pulmonale] Tkachenko VI. **Vrach Delo** 1981 May;(5):77–9 (Eng. Abstr.) (Rus)

COMPLICATIONS

Cardiovascular performance in chronic obstructive pulmonary diseases. Matthay RA, et al. **Med Clin North Am** 1981 May;65(3):489–524 (254 ref.)

[Hyponatremia in chronic cor pulmonale (author's transl)] Liu CQ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1979;2(3):155–9 (Chi)

[A clinical study on disturbances of blood gases and acid-base equilibrium in cor pulmonale complicated by shock (author's transl)] Piao ZE. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1979;2(2):97–9 (Chi)

[Acid-base disturbances during acute exacerbation of chronic cor pulmonale (author's transl)] Sun YY. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1979;2(4):219–21 (Chi)

[Cor pulmonale with pulmonic valve insufficiency (5 cases)] Li Z, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980; 8(1):39–42 (Eng. Abstr.) (Chi)

[Arteriosclerosis risk factors in chronic pulmonary heart disease] Wojtas E, et al. **Wiad Lek** 1980 Oct 1;33(19):1535–9 (Eng. Abstr.) (Pol)

DIAGNOSIS

Right ventricular echocardiographic, vectorcardiographic and electrocardiographic study in cor pulmonale. Louridas G, et al. **Acta Cardiol (Brux)** 1980;35(6):429–36

Significance of electrocardiotopography (ECTG) in revealing cor pulmonale in patients with chronic nonspecific pulmonary diseases. Boksha VG, et al. **Adv Cardiol** 1981;28:163

The electric field of the heart in patients with chronic cor pulmonale. Gavrilov VV. **Adv Cardiol** 1981;28:59–61

Electrocardiogram of the Month. Johnson CD. **Bol Asoc Med PR** 1980 Jun;72(6):333–4

Echocardiography in cystic fibrosis: A proposed scoring system. Lester LA, et al. **J Pediatr** 1980 Nov;97(5):742–8

[Echocardiography in chronic cor pulmonale: its value in early diagnosis as compared with roentgenography and electrocardiography (author's transl)] Ren JF. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1979;2(2):94–6 (Chi)

[A study of vectorcardiographic criteria for the diagnosis of chronic cor pulmonale (author's transl)] Xu KC. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1980 Feb;3(2):69–72 (Chi)

[Ptf-v1 as a diagnostic aid in chronic cor pulmonale (author's transl)] Yu CY. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1979;2(4):216–8 (Chi)

[Invasive and noninvasive diagnosis of chronic cor pulmonale] Widimský J. **Vnitr Lek** 1981 Jun;27(6):583–91 (Eng. Abstr.) **(Cze)**

[Role of echography in the diagnosis of acute cor pulmonale. Apropos of 6 cases] Bochereau G, et al. **Agressologie** 1980; 21(C):112–9 (Eng. Abstr.) **(Fre)**

[Clinical symptoms and cardiac auscultatory findings in pulmonary hypertension and chronic cor pulmonale (author's transl)] Radenbach KL. **Prax Klin Pneumol** 1980 Aug;34(8):449–54 (Eng. Abstr.) **(Ger)**

[About the clinical picture of pulmonary heart disease with special regard to correlations between pulmonary function and pulmonary hemodynamics (author's transl)] Julich H, et al. **Z Erkr Atmungsorgane** 1980 May;155(2):157–65 (Eng. Abstr.) **(Ger)**

[Pathology of cor pulmonale. Idea and reality (author's transl)] Mlczoch F, et al. **Z Erkr Atmungsorgane** 1980 May; 155(2):151–6 (Eng. Abstr.) **(Ger)**

[Clinical and anatomopathological aspects of myocardial infarct in patients with chronic pulmonary heart disease] Dubejko J, et al. **Wiad Lek** 1980 Jul 15;33(14):1109–13 (Eng. Abstr.) **(Pol)**

[Bronchial ECG leads in the diagnosis of the initial forms of cor pulmonale] Gurevich MA, et al. **Kardiologiia** 1980 Aug;20(8):83–8 (Eng. Abstr.) **(Rus)**

[Activity of malate dehydrogenase, cytochrome oxidase and their isoenzymes in the blood serum in chronic cor pulmonale] Abrosimov VN. **Vrach Delo** 1980 Jul;(7):37–40 (Eng. Abstr.) **(Rus)**

[Exercise tests in pneumopathy patients] Alatriste VM, et al. **Arch Inst Cardiol Mex** 1980 Jan–Feb;50(1):51–60 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Oral hydralazine in patients with pulmonary vascular disease secondary to congenital heart disease. Fripp RR, et al. **Am J Cardiol** 1981 Aug;48(2):380–2

Hemodynamics at rest and during exercise after oral hydralazine in patients with cor pulmonale. Rubin LJ, et al. **Am J Cardiol** 1981 Jan;47(1):116–22

Effect of digoxin on right ventricular function in severe chronic airflow obstruction. A controlled clinical trial. Mathur PN, et al. **Ann Intern Med** 1981 Sep;95(3):283–8

[Survey on the effect of Chinese traditional treatment on the remittent period of chronic cor pulmonale (author's transl)] Li TQ.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1980 Feb;3(2):76–8 **(Chi)**

[Combined traditional Chinese medicine and Western medicine in the treatment and prevention of cor pulmonale (author's transl)] Xu JZ.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1979;2(2):119–21 **(Chi)**

[Latest state of pharmacotherapy in the pulmonary heart disease (author's transl)] Triebe G, et al.
Z Erkr Atmungsorgane 1980 May;155(2):172–5 (Eng. Abstr.) **(Ger)**

[Effect of strophanthin and euphylline on the hemodyanmics and bronchial patency in chronic cor pulmonale] Bobrov VA, et al. **Klin Med (Mosk)** 1980;58(11):66–8 (Eng. Abstr.) **(Rus)**

[Cortisol and corticosterone in the pathogenesis and therapy of chronic cor pulmonale] Pribylova NN. **Sov Med** 1980; (12):80–2 **(Rus)**

[Treatment of chronic cor pulmonale] Bugaĭ LV.
Vrach Delo 1981 Feb;(2):62–4 **(Rus)**

[Effect of asthmopent on the hemodynamics of the greater and lesser circulations in chronic cor pulmonale] Dotsenko NIa. **Vrach Delo** 1980 Jul;(7):40–2 (Eng. Abstr.) **(Rus)**

[Therapeutic effect of strophanthin and corglycon in chronic cor pulmonale] Vygar PV, et al. **Vrach Delo** 1981 Feb; (2):59–61 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Differentiation of recurrent pulmonary emboli from chronic obstructive lung disease as a cause of cor pulmonale. Fanta CH, et al. **Chest** 1981 Jan;79(1):92–5

Etiology and management of chronic cor pulmonale in children. Tang SG, et al. **Chin Med J [Engl]** 1980 Nov; 93(11):779–84

[Cor pulmonale caused by chronic schistosomiasis japonica (author's transl)] Zheng JS.
Chung Hua Nei Ko Tsa Chih 1980 Sep;19(5):363–4 **(Chi)**

[Subacute embolic cor pulmonale. Diagnosis and treatment (author's transl)] Ponsonnaille J, et al.
Ann Cardiol Angeiol (Paris) 1980 Oct–Nov;29(6):439–46 (Eng. Abstr.) **(Fre)**

[Occlusive adenoids causing cor pulmonale and pectus excavatum in a child (author's transl)] Richter I, et al.
Monatsschr Kinderheilkd 1981 Mar;129(3):175–7 (Eng. Abstr.) **(Ger)**

[A documented case of typical Hamman–Rich interstitial pulmonary fibrosis] Ferraro U, et al. **Minerva Med** 1981 Jun 23;72(25):1599–603 (Eng. Abstr.) **(Ita)**

[Chronic cor pulmonale in childhood caused by upper airway obstruction by tonsillar and adenoid hypertrophy] Frossi V, et al. **Minerva Pediatr** 1981 May 15;33(9):429–34 **(Ita)**

IMMUNOLOGY

[Role of autoimmune disorders in the pathogenesis of chronic pulmonary heart disease] Sakharchuk II, et al.
Vrach Delo 1981 Aug;(8):6–10 **(Rus)**

METABOLISM

[Several problems on acid–base balance in chronic cor pulmonale (author's transl)] Xu GG.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1980 Feb;3(2):73–5 **(Chi)**

OCCURRENCE

Pathological changes of cardiovascular and cardiopulmonary system in relation to some biological and social factors in the population. Urban J, et al.
Acta Univ Carol [Med] (Praha) 1979;25(3–4):197–24

PATHOLOGY

Severity of PVD [letter] Yamaki S, et al. **Circulation** 1980 Nov;62(5):1141–2

Early pulmonary vascular changes in congenital heart disease studied in biopsy tissue. Rabinovitch M, et al.
Hum Pathol 1980 Sep;11(5 Suppl):499–509

[Study of the morphological changes of the liver in chronic obstructive bronchopneumopathy with decompensated heart disease] Bălţăceanu OI, et al.
Rev Med Interna [Med Interna] 1980 Jan–Feb;32(1):49–54 **(Rum)**

PHYSIOPATHOLOGY

Intracellular action potential changes induced in both ventricles of the rat by an acute right ventricular pressure overload. Boland J, et al. **Cardiovasc Res** 1980 Dec; 14(12):735–40

Left ventricular volumetry and function in chronic cor pulmonale. Ježek V. **Cor Vasa** 1981;23(2):94–103

Sympathetic nervous systems in chronic cor pulmonale. Watanabe E, et al. **Jpn Circ J** 1981 Jun;45(6):646–53

[Analysis of expiratory CO2 curves of patients of pulmonary heart disease (author's transl)] Zhang JS.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1980 Sep;3(3):154–6 **(Chi)**

[Extravascular lung fluid in chronic left ventricular and pulmonary insufficiency] Morgunov NB, et al.
Klin Med (Mosk) 1980 Dec;58(12):86–9 **(Rus)**

[Changes in the ECG and potassium and sodium balance in chronic cardiopulmonary insufficiency in tuberculosis patients] Goncharov VG, et al. **Vrach Delo** 1981 Feb; (2):64–8 (Eng. Abstr.) **(Rus)**

[Use of radiocardiography in evaluating hemodynamics in chronic cor pulmonale] Zozulia AA. **Vrach Delo** 1981; (6):49–52 **(Rus)**

RADIOGRAPHY

[X-ray analysis of 40 cases of high altitude heart disease of adult (comparative analysis of 40 cases of chronic cor pulmonale) (author's transl)] Yu MY.
Chung Hua Fang She Hsueh Tsa Chih 1980;14(1):21–5 **(Chi)**

RADIONUCLIDE IMAGING

[Scintigraphy in the evaluation of the state of the right ventricle in chronic pneumonia and pulmonary tuberculosis] Kornienko VT, et al. **Probl Tuberk** 1980 Dec; (12):40–2 (Eng. Abstr.) **(Rus)**

THERAPY

Long term oxygen and advanced chronic bronchitis [editorial] **Lancet** 1981 Mar 28;1(8222):701–2

Long term domiciliary oxygen therapy in chronic hypoxic cor pulmonale complicating chronic bronchitis and emphysema. Report of the Medical Research Council Working Party. **Lancet** 1981 Mar 28;1(8222):681–6

[Treatment of chronic pulmonary heart disease] Lis W.
Pneumonol Pol 1980 Jul;48(7):485–90 (45 ref.) **(Pol)**

[Effect of long-term oxygen therapy on pulmonary hypertension and blood viscosity in patients with advanced hypoxic pulmonary heart disease] Jędrzejewska-Mąkowska M, et al. **Pol Arch Med Wewn** 1980 Jul;64(1):17–26 (Eng. Abstr.) **(Pol)**

PULMONARY NEOPLASMS see **LUNG NEOPLASMS**

PULMONARY NODULE, SOLITARY see **COIN LESION, PULMONARY**

PULMONARY SEQUESTRATION see **BRONCHOPULMONARY SEQUESTRATION**

PULMONARY STENOSIS see **PULMONARY VALVE STENOSIS**

PULMONARY STRETCH RECEPTORS see under **MECHANORECEPTORS**

PULMONARY SUBVALVULAR STENOSIS see under **IDIOPATHIC HYPERTROPHIC SUBVALVULAR STENOSIS**

PULMONARY SURFACTANT

On the phase diagram of the dipalmitoyl phosphatidylcholine single-bilayer. Comparison with the multilamellar system. Sugár IP. **Acta Biochim Biophys Acad Sci Hung** 1980; 15(1):73–5

An NMR method for the study of proton transport across phospholipid vesicles. Trandinh S, et al.
Biochem Biophys Res Commun 1981 Mar 31;99(2):429–35

Structural reorganizations in lipid bilayer systems: effect of hydration and sterol addition on Raman spectra of dipalmitoylphosphatidylcholine multilayers. Bush SF, et al. **Biochemistry** 1980 Sep 16;19(19):4429–36

Characterization of the pretransition in 1,2-dipalmitoyl-sn-glycero-3-phosphocholine by Fourier transform infrared spectroscopy. Cameron DG, et al. **Biochemistry** 1980 Aug 5;19(16):3665–72

Asymmetric incorporation of trisialoganglioside into dipalmitoylphosphatidylcholine vesicles. Felgner PL, et al. **Biochemistry** 1981 Apr 14;20(8):2168–72

Effect of surface curvature on stability, thermodynamic behavior, and osmotic activity of dipalmitoylphosphatidylcholine single lamellar vesicles. Lichtenberg D, et al. **Biochemistry** 1981 Jun 9; 20(12):3462–7

Binding of divalent cations of dipalmitoylphosphatidylcholine bilayers and its effect on bilayer interaction. Lis LJ, et al. **Biochemistry** 1981 Mar 31;20(7):1761–70

Dynamical and temperature-dependent effects of lipid–protein interactions. Application of deuterium nuclear magnetic resonance and electron paramagnetic resonance spectroscopy to the same reconstitutions of cytochrome c oxidase. Paddy MR, et al. **Biochemistry** 1981 May 26; 20(11):3152–62

Fluorescence studies of dipalmitoylphosphatidylcholine vesicles reconstituted with the glycoprotein of vesicular stomatitis virus. Petri WA Jr, et al. **Biochemistry** 1981 May; 20(10):2796–800

Fusion of dipalmitoylphosphatidylcholine vesicles. Schullery SE, et al. **Biochemistry** 1980 Aug 19;19(17):3919–23

Energy transfer in artificial membrane systems. Singlet–singlet energy transfer from alloxazines to isolloxazines in dipamitoyl phosphatidylcholine liposomes and dialkylammonium chloride vesicles. Aso Y, et al.
Biochim Biophys Acta 1980 July;599(2):403–16

Kinetics of the pretransition of synthetic phospholipids. A calorimetric study. Cho KC, et al.
Biochim Biophys Acta 1981 Jan 26;663(1):14–21

Phase diagrams for impure lipid systems. Application to lipid/anaesthetic mixtures. de Verteuil F, et al.
Biochim Biophys Acta 1981 Jan 8;640(1):207–22

Influence of dicarboxylic phosphatidylcholines on the stability and phase transition of phosphatidylcholine liposomes. Dousset N, et al. **Biochim Biophys Acta** 1981 Feb 20;641(1):1–10

Deuterium magnetic resonance of selectively deuterated cholesteryl esters in dipalmitoyl phosphatidylcholine dispersions. Gorrissen H, et al. **Biochim Biophys Acta** 1981 Jun 22;644(2):266–72

The kinetics of the formation of rotational isomers in the hydrophobic tail region of phospholipid bilayers. Gruenewald B, et al. **Biochim Biophys Acta** 1981 Mar 6; 641(2):311–9

Mode of binding of cytochrome b5 to phospholipid bilayers in lamellar structure. Inoko Y. **Biochim Biophys Acta** 1980 July;599(2):359–69

Phosphatidylcholesterol bilayers. A model for phospholipid–cholesterol interaction. Jain MK, et al.
Biochim Biophys Acta 1980 Aug 14;600(3):678–88

Evidence for acyl chain trans/gauche isomerization during the thermal pretransition of dipalmitoyl phosphatidylcholine bilayer dispersions. Levin IW, et al.
Biochim Biophys Acta 1981 Feb 6;640(3):760–6

1H-NMR study of the effect of synthetic polymers on the fluidity, transition temperature and fusion of dipalmitoyl phosphatidylcholine small vesicles. Ohno H, et al.
Biochim Biophys Acta 1981 Mar 20;642(1):27–36

The activation energy of incorporation of extrinsic probes in model vesicles. Rockley MG, et al.
Biochim Biophys Acta 1981 Jun 9;644(1):96–100

A Fourier transform infrared spectroscopic study of the molecular interaction of cholesterol with 1,2-dipalmitoyl-sn-glycero-3-phosphocholine. Umemura J, et al. **Biochim Biophys Acta** 1980 Oct 16;602(1):32–44

Alignment and defect structures in oriented phosphatidylcholine multilayers. Asher SA, et al.
Biophys J 1979 Sep;27(3):393–421

Optical studies of the phase behavior of monodomain samples of dipalmitoyl phosphatidylcholine containing calcium chloride. D'Ambrosio C, et al. **Biophys J** 1979 Jul; 27(1):15–20

Deuterium magnetic resonance study of the gel and liquid crystalline phases of dipalmitoyl phosphatidylcholine. Davis JH. **Biophys J** 1979 Sep;27(3):339–58

A new crystalline phase of L-alpha-dipalmitoyl phosphatidylcholine monohydrate. Fringeli UP.
Biophys J 1981 May;34(2):173–87

A mean-field model of the alkane-saturated lipid bilayer above its phase transition. I. Development of the model. Gruen DW. **Biophys J** 1981 Feb;33(2):149–66

Change in volume magnetic susceptibility at the phase

transition of dipalmitoylphosphatidylcholine. Kunze RK Jr, et al. **Biophys J** 1980 May;30(2):359–64

Differences in hydrocarbon chain tilt between hydrated phosphatidylethanolamine and phosphatidylcholine bilayers. A molecular packing model. McIntosh TJ. **Biophys J** 1980 Feb;29(2):237–45

Lateral diffusion in inhomogeneous membranes. Model membranes containing cholesterol. Owicki JC, et al. **Biophys J** 1980 Jun;30(3):383–97

Perturbation of membrane structure by uranyl acetate labeling. Parsegian VA, et al. **Biophys J** 1981 Mar; 33(3):475–7

Direct observation of the hydrocarbon chain tilt angle in phospholipid bilayers. Stamatoff JB, et al. **Biophys J** 1979 Feb;25(2 Pt 1):253–61

Statistical mechanical analysis of Raman spectroscopic order parameter changes in pressure-induced lipid bilayer phase transitions. Yager P, et al. **Biophys J** 1980 Sep;31(3):359–70

Mitochondrial lamellated bodies and surfactant depots in the Type II cells of the lung compared by bimetallic staining and X-ray analysis. Pattle RE, et al. **Br J Exp Pathol** 1980 Apr;61(2):160–3

Differential scanning calorimetric studies of the thermotropic phase behavior of membranes composed of dipalmitoyllecithin and mixed-acid unsaturated lecithins. Davis PJ, et al. **Can J Biochem** 1980 Oct;58(10):851–8

The effect of cholesterol on measured interaction and compressibility of dipalmitoylphosphatidylcholine bilayers. Rand RP, et al. **Can J Biochem** 1980 Oct;58(10):959–68

Cholesterol mediates thyrotropin binding to liposomes containing gangliosides. Dufrane SP, et al. **Experientia** 1981 May 15;37(5):524–5

The origin of multiple quadrupole couplings in the deuterium NMR spectra of the 2 chain of 1,2 dipalmitoyl-sn-glycero-3-phosphorylcholine. Engel AK, et al. **FEBS Lett** 1981 Apr 20;126(2):169–71

The interaction of the membrane binding segment of cytochrome b5 with phospholipid vesicles. A pulse-radiolysis investigation. Pochon F, et al. **Int J Radiat Biol** 1981 Feb;39(2):207–15

Lipid fluidity in lung surfactant: monolayers of saturated and unsaturated lecithins. Hawco MW, et al. **J Appl Physiol** 1981 Aug;51(2):509–15

Interaction of tubulin with phospholipid vesicles. I. Association with vesicles at the phase transition. Klausner RD, et al. **J Biol Chem** 1981 Jun 10;256(11):5879–85

Interaction of tubulin with phospholipid vesicles. II. Physical changes of the protein. Kumar N, et al. **J Biol Chem** 1981 Jun 10;256(11):5886–9

The effects of dipalmitoyl phosphatidyl choline on the precipitation of native fibrils and segment-long-spacing aggregates from collagen solution. McKenzie JC, et al. **J Supramol Struct Cell Biochem** 1981;15(3):219–34

Scanning calorimetric evidence for a third phase transition in phosphatidylcholine bilayers. Chen SC, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5060–3

Reconstitution of the hepatic asialoglycoprotein receptor with phospholipid vesicles. Klausner RD, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5087–91

[Evaluation of phase transition models in lipid–aqueous systems by the optical analogy method] Seleznev SA, et al. **Biofizika** 1981 Jan–Feb;26(1):53–7 (Eng. Abstr.) **(Rus)**

[Effect of hormonal agents on the surface-active properties of fetal pulmonary surfactants] Timoshenko LV, et al. **Vrach Delo** 1981 Aug;(8):53–5 **(Rus)**

ADMINISTRATION & DOSAGE

Surface activity following natural surfactant treatment in premature lambs. Ikegami M, et al. **J Appl Physiol** 1981 Aug;51(2):306–12

ANALYSIS

Surfactant apoprotein in nonmalignant pulmonary disorders. Singh G, et al. **Am J Pathol** 1980 Oct;101(1):51–62

Isolation of lung lamellar bodies and their conversion to tubular myelin figures in vitro. Sanders RL, et al. **Anat Rec** 1980 Nov;198(3):485–501

The ultrastructural histochemistry and stereoscanning electron microscopy of the rodent and amphibian surfactant systems. Stratton CJ, et al. **Anat Rec** 1980 May;197(1):49–61

The stereoscanning electron microscopy and ultrastructural histochemistry of the avian and reptilian surfactant systems: Indian dove, desert spiny and Taiwan golden skink lizards. Wetzstein HY, et al. **Anat Rec** 1980 May;197(1):63–73

The effect of premature rupture of the membranes on the surface activity of amniotic fluid and on the pulmonary function of the newborn. Salzer H, et al. **Arch Gynecol** 1980;230(2):149–57

Alveolar macrophages and pulmonary surfactant of altitude-raised rats. Hegde KS, et al. **Aviat Space Environ Med** 1980 Jul;51(7):700–3

Studies of the lungs in diabetes mellitus. II. Phospholipid analyses on the surfactant from broncho-alveolar lavage fluid of alloxan-induced diabetic rats. Sugahara K, et al. **Biochem Biophys Res Commun** 1981 Jan 15;98(1):163–8

Secretory IgA is a component of rabbit lung surfactant. Paciga JE, et al. **Biochim Biophys Acta** 1980 Sep 1; 631(3):487–94

Studies on the modified foam stability test. Effects of blood and meconium and comparison with Clements' shake test. Hirahara F, et al. **Diagn Gynecol Obstet** 1981 Spring; 3(1):9–14

Premature changes in surface activity in lung fluid of fetal lambs. Egberts J, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Jun;12(1):59–67

Intracellular metabolism of the apoproteins of pulmonary surfactant in rat lung. King RJ, et al. **J Appl Physiol** 1980 May;48(5):812–20

Immunocytochemical localization and identification of the major surfactant protein in adult rat lung. Williams MC, et al. **J Histochem Cytochem** 1981 Feb;29(2):291–305

Estimation of phosphatidylglycerol in fluids containing pulmonary surfactant. Cernansky G, et al. **J Lipid Res** 1980 Nov;21(8):1128–31

Quantification of surfactant phospholipids in the dog lung. Ryan SF, et al. **J Lipid Res** 1980 Nov;21(8):1004–14

[Prevention of neonatal respiratory distress syndrome using a rapid surfactant test] Khrouf M, et al. **Tunis Med** 1980 May–Jun;58(3):510–2 (Eng. Abstr.) **(Fre)**

[Pulmonary function of the newborn and surfactant level of amniotic fluid, following induced labour and spontaneous onset of labour (author's transl)] Husslein P, et al. **Zentralbl Gynaekol** 1980;102(16):922–6 (Eng. Abstr.) **(Ger)**

[The phenol turbidity test for measurement of pulmonary surfactants in amniotic fluid--rapid test for fetal lung maturity (author's transl)] Tatsumi H, et al. **Acta Obstet Gynaecol Jpn** 1981 May;33(5):643–50 (Eng. Abstr.) **(Jpn)**

[Surfactant lipoprotein concentration in amniotic fluid of abnormal pregnancies and premature deliveries (author's transl)] Higuchi M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Nov; 32(11):1767–74 (Eng. Abstr.) **(Jpn)**

[Determination of lecithin/sphingomyelin ratios in aminotic fluid by use of Iatroscan TH-10 (author's transl)] Mitani K, et al. **Rinsho Byori** 1981 Mar;29(3):283–7 **(Jpn)**

[Anti-ateiectatic function of pulmonary surfactant] Petrov OV, et al. **Biull Eksp Biol Med** 1981 Apr;91(4):409–11 (Eng. Abstr.) **(Rus)**

[Evaluation of the state of the pulmonary surfactant system during hypoxia and parapulmonary blood oxygenation] Skorik VI, et al. **Biull Eksp Biol Med** 1980 Sep;90(9):279–81 (Eng. Abstr.) **(Rus)**

['Foam' test in assessing fetal lung maturity] Reinish MS, et al. **Vopr Okhr Materin Det** 1980 Aug;25(8):52–5 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Comparative pulmonary surfactant-inducing effect of three corticosteroids in the near-term rat. Anderson GG, et al. **Am J Obstet Gynecol** 1981 Mar 1;139(5):562–4

Lung development and the pulmonary surfactant system: hormonal influences. Hitchcock KR. **Anat Rec** 1980 Sep; 198(1):13–34 (386 ref.)

A role for cytidine monophosphate in the regulation of the glycerophospholipid composition of surfactant in developing lung. Quirk JG, et al. **Biochem Biophys Res Commun** 1980 Aug 14;95(3):985–92

Effect of dexamethasone upon surfactant phosphatidylcholine and phosphatidylglycerol synthesis in organotypic cultures of type II cells. Sanders RL, et al. **Biochim Biophys Acta** 1981 May 22;664(2):380–8

Differentiation between acyl coenzyme A:lysophosphatidylcholine acyltransferase and lysophosphatidylcholine: lysophosphatidylcholine transacylase in the synthesis of dipalmitoylphosphatidylcholine in rat lung. van Heusden GP, et al. **J Biol Chem** 1980 Oct 10;255(19):9312–8

Multihormonal regulation of surfactant synthesis by human fetal lung in vitro. Mendelson CR, et al. **J Clin Endocrinol Metab** 1981 Aug;53(2):307–17

The labelling of pulmonary surfactant phosphatidylcholine in 19–31-days-old lambs. Jobe A, et al. **J Dev Physiol** 1979 Jun;1(3):245–59

Steroid receptors in human fetal lung [letter] Szabó I, et al. **Lancet** 1980 Oct 4;2(8197):751–2

[Relation between pulmonary surfactant and thyroid hormones (T4, T3) in the newborn infant] Picinelli ML, et al. **Ann Ostet Ginecol Med Perinat** 1980 Jul–Aug; 101(4):267–78 (Eng. Abstr.) **(Ita)**

CHEMICAL SYNTHESIS

Dry artificial lung surfactant in prematurity [letter] **Lancet** 1981 Mar 7;1(8219):555–6

Artificial lung surfactant and prematurity [letter] Ikegami M. **Lancet** 1981 Feb 14;1(8216):379–80

DEFICIENCY

Evidence of surfactant deficiency in persistence of the fetal circulation. Hallman M, et al. **Eur J Pediatr** 1980 Aug; 134(2):129–34

Lung-thorax compliance in the artificially ventilated premature rabbit neonate in relation to variations in inspiration:expiration ratio. Lachmann B, et al. **Pediatr Res** 1981 May;15(5):833–8

[Ventilation mechanics of isolated human lungs with surfactant deficiency (author's transl)] Wierich W. **Prax Klin Pneumol** 1980 Jun;34(6):348–55 (Eng. Abstr.) **(Ger)**

[Syndrome caused by surfactant deficiency and ventilatory dysfunction in the newborn infant. Clinico-radiological diagnostic problems] Bona G, et al. **Minerva Pediatr** 1981 Feb 15;33(3):117–26 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

Interaction of pulmonary surfactant and alveolar macrophages in the non-specific defence system of the lung. Robertson B. **Eur J Respir Dis [Suppl]** 1980;61 Suppl 108:16–8

Canine surface active material and pulmonary lymphocyte function. Studies with mixed-lymphocyte culture. Ansfield MJ, et al. **Exp Lung Res** 1980 Mar;1(1):3–11

The immunoinhibitory activities of the lung lavage materials and sera from patients with pulmonary alveolar proteinosis (PAP). Stratton JA, et al. **J Clin Lab Immunol** 1981 Mar; 5(2):81–6

ISOLATION & PURIFICATION

[Purification and specificity of the rat alveolar surfactant phospholipid–exchange protein (author's transl)] Koumanov K, et al. **Bull Eur Physiopathol Respir** 1981; 17(3):411–8 (Eng. Abstr.) **(Fre)**

METABOLISM

Correlation of lung compliance and quantities of surfactant phospholipids after acute alveolar injury from N-nitroso-N-methylurethane in the dog. Ryan SF, et al. **Am Rev Respir Dis** 1981 Feb;123(2):200–4

Alterations in stress distributions around interalveolar pores after exposure to papain in dogs. Sanderson RJ, et al. **Am Rev Respir Dis** 1981 Mar;123(3):327–32

Interaction of lipids with the plasma membrane of sperm cells. III. Antifusigenic effect by phosphatidylserine. Davis BK, et al. **Arch Androl** 1980 Nov;5(3):263–6

Interaction of lipids with the plasma membrane of sperm cells. II. Evidence of a membrane thermotropic transition. Davis BK, et al. **Arch Androl** 1980 Nov;5(3):255–61

Perturbation of lipid membranes by organic pollutants. Packham ED, et al. **Arch Environ Contam Toxicol** 1981; 10(3):347–56

Vinblastine and vincristine action on gel–fluid transition of hydrated DPPC. Ter-Minassian-Saraga L, et al. **Biochem Pharmacol** 1981 Mar 1;30(5):411–5

Dilatometry of dipalmitoyllecithin–cholesterol bilayers. Melchior DL, et al. **Biochemistry** 1980 Oct 14; 19(21):4828–34

Influence of gangliosides GM1 and GD1a on structural and thermotropic properties of sonicated small 1,2-dipalmitoyl-L-alpha-phosphatidylcholine vesicles. Hinz HJ, et al. **Biochim Biophys Acta** 1981 May 20; 643(3):557–71

Incorporation of dipalmitoyl phosphatidycholine into human plasma low density lipoproteins: effects on composition and structure. Jackson RL, et al. **Biochim Biophys Acta** 1980 Aug 11;619(2):408–13

Lung phosphatidylcholine transfer in six vertebrate species. Correlations with surfactant parameters. Lumb RH, et al. **Biochim Biophys Acta** 1980 Oct 6;620(1):172–5

Surfactant secretion in a newborn rabbit lung slice model. Marino PA, et al. **Biochim Biophys Acta** 1980 Dec 5; 620(3):509–19

Dietary regulation of dipalmitoyl phosphatidylcholine in the lung. Effects of essential fatty acid deficiency. Nakamura M, et al. **Biochim Biophys Acta** 1980 Oct 6;620(1):24–36

Specific transfer of dipalmitoyl phosphatidylcholine in rabbit lung. Tsao FH. **Biochim Biophys Acta** 1980 Sep 18; 601(2):415–26

Surfactant phospholipid ontogeny in fetal rabbit lung lavage and amniotic fluid. Torday JS, et al. **Biol Neonate** 1981; 39(5-6):266–71

Cultured pulmonary epithelial cells: clonal isolation of human fetal alveolar type II cells. Tanswell AK, et al. **Birth Defects** 1980;16(2):249–59

Alveolar surfactant in lungs of operated patients after acetylcysteine treatment. Mereto GC, et al. **Eur J Respir Dis [Suppl]** 1980;61(111):160–1

Diesel automobile exhaust anad lung surfactant activity in an experimental study, in rats. Rai UC, et al. **Indian J Physiol Pharmacol** 1980 Oct–Dec;24(4):299–304

Surfactant metabolism of newborn lamb lungs studied in vivo. Jobe A, et al. **J Appl Physiol** 1980 Dec;49(6):1091–8

Control of release of surfactant phospholipids in the isolated perfused rat lung. Nicholas TE, et al. **J Appl Physiol** 1981 Jul;51(1):90–8

Selective reduction of phosphatidylglycerol and phosphatidylcholine in pulmonary surfactant by 4-aminopyrazolo(3,4d)pyrimidine in the rat. Suzuki Y, et al. **J Lipid Res** 1980 Nov;21(8):1090–6

Development of fetal rat lung during prolonged gestation. Morris GS, et al. **Respir Physiol** 1980 Dec;42(3):263–85

[Pulmonary surfactant and oxidative phosphorylation in the lung mitochondria in experimental tuberculosis against a background of hexachlorane poisoning] Tavmuradov KhT, et al. **Probl Tuberk** 1981 Apr;(4):57–61 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Artificial surfactant and natural surfactant. Comparative study of the effects on premature rabbit lungs. Morley C, et al. **Arch Dis Child** 1980 Oct;55(10):758–65

Effect of birth and surfactant treatment on phospholipid synthesis in the premature rabbit. Stewart-DeHaan PJ, et al. **Biol Neonate** 1980;38(5-6):238-47

Effect of supplementary surfactant on in vivo lung mechanics in the premature rabbit neonate. Lachmann B, et al. **Eur J Pediatr** 1981 May;136(2):173-9

Brugia pahangi: growth improvement with lecithin in the diet of axenically reared hosts, Aedes aegypti. Sneller VP, et al. **Exp Parasitol** 1981 Jun;51(3):335-40

Effect of phospholipid substitution on the mobility of spin labels bound to the ATPase of sarcoplasmic reticulum. Nakamura H, et al. **J Biochem (Tokyo)** 1981 Jan;89(1):21-8

[Modulation of macrophage-mediated toxicity to cancer cells in vitro by liposomes and endotoxins] Olsson NO, et al. **C R Soc Biol (Paris)** 1980;174(6):1067-71 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Ultrastructural aspects of functional integrity of lung surfactant and alveolar mononuclear phagocytes. Groniowski J, et al. **Acta Med Pol** 1980;21(4):335-7

Lung lipid metabolism, mechanisms of its regulation and alveolar surfactant. van Golde LM. **Bull Eur Physiopathol Respir** 1979;15(6):65p-84p

The relationship between phospholipid amount and surface activity of lung washing. Kunc L, et al. **Folia Morphol (Praha)** 1981;29(2):192-7

The reactions of 1 nm particles of plutonium-238 dioxide and curium-244 dioxide with lung fluid. Cooper JR, et al. **Int J Radiat Biol** 1980 Jul;38(1):93-103

The cellular and molecular basis of pulmonary alveolar stability. Massaro D. **J Lab Clin Med** 1981 Aug; 98(2):155-65

Perspectives on fetal lung development. Perelman RH, et al. **Lung** 1981;159(2):53-80 (152 ref.)

Effect of lipids and other substances on the adsorption of dipalmitoyl phosphatidylcholine. Meban C. **Pediatr Res** 1981 Jul;15(7):1029-31

[Function, composition, biosynthesis and degradation of the surfactant system (anti-atelectasis factor) of the lung] Winsel K, et al. **Pharmazie** 1980;35(10):575-81 (75 ref.) **(Ger)**

[Pulmonary surface activity (author's transl)] Kobayashi T. **Masui** 1980 Nov;29(12):1443-9 (Eng. Abstr.) **(Jpn)**

[Alveolar surfactant in rats with acute hypoxia and hypercapnia] Shishkanov VV. **Fiziol Zh** 1980 Sep-Oct; 26(5):675-8 **(Rus)**

[The state of the surfactant system and postoperative lung complications] Leosko VA, et al. **Vestn Khir** 1980 Aug; 125(8):9-13 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Effects of 60Co radiation on the rabbit lung surfactant system. Bellet-Barthas M, et al. **Int J Radiat Oncol Biol Phys** 1980 Sep;6(9):1169-77

SECRETION

Effects of inhibiting protein synthesis on the secretion of surfactant by type II cells in primary culture. King RJ, et al. **Biochim Biophys Acta** 1981 Jan 26;663(1):289-301

The effect of labor on surfactant secretion in newborn rabbit lung slices. Marino PA, et al. **Biochim Biophys Acta** 1981 May 22;664(2):389-96

Mucus and surfactant synthesis and secretion by cultured hamster respiratory cells. Baseman JB, et al. **Environ Health Perspect** 1980 Apr;35:139-46

Rat lung surfactant kinetics biochemical and morphometric correlation. Young SL, et al. **J Appl Physiol** 1981 Aug; 51(2):248-53

Adrenergic and cholinergic regulation of lung surfactant secretion in the isolated perfused rat lung and in the alveolar type II cell in culture. Brown LA, et al. **J Biol Chem** 1981 Jan 10;256(1):66-72

Secretion of lung surfactant following delivery after uterine section. Gilfillan AM, et al. **J Dev Physiol** 1980 Feb-Apr; 2(1-2):101-10

Isolated type II cells from fetal lung as model in studies on the synthesis and secretion of pulmonary surfactant. Batenburg JJ. **Lung** 1980;158(4):177-92 (97 ref.)

Effect of oxotremorine and epinephrine on lung surfactant secretion in neonatal rabbits. Abdellatif MM, et al. **Pediatr Res** 1980 Aug;14(8):916-20

Regulation of the secretion of pulmonary surfactant. Massaro GD, et al. **Trans Assoc Am Physicians** 1980;93:341-6

[Effect of colchicine on secretion of alveolar surfactant in intact and regenerating rat lungs] Romanova LK. **Biull Eksp Biol Med** 1980 JUL;89(7):21-5 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Artificial surfactant therapy for hyaline membrane disease. Wigglesworth JS. **Arch Dis Child** 1980 Oct;55(10):753-4

Review of experimental hyaline membrane disease. Robertson B. **Diagn Histopathol** 1981 Jan-Mar;4(1):49-60 (81 ref.)

Sequential treatments of premature lambs with an artificial surfactant and natural surfactant. Ikegami M, et al. **J Clin Invest** 1981 Aug;68(2):491-6

Duration and characteristics of treatment of premature lambs with natural surfactant. Jobe A, et al. **J Clin Invest** 1981 Feb;67(2):370-5

Dry artificial lung surfactant and its effect on very premature babies. Morley CJ, et al. **Lancet** 1981 Jan 10;1(8211):64-8

Surfactant substitution; experimental models and clinical applications. Robertson B. **Lung** 1980;158(2):57-68

Surfactant 1981. Gupta JM. **Med J Aust** 1981 May 30; 1(11):557-8

PULMONARY VALVE

M-mode echographic detection of pulmonic valve infective endocarditis. Sharma S, et al. **Am Heart J** 1981 July; 102(1):131-2

Patch reconstruction of the right ventricular outflow tract with pulmonary valve insertion. Laks H, et al. **Circulation** 1981 Aug;64(2 Pt 2):154-61

Pitfalls in interpretation of the pulmonary valve echogram in patients with congenital heart disease. Moodie DS. **Cleve Clin Q** 1980 Winter;47(4):261-73

[Unusual echocardiographic aspect of the pulmonary valve in a case of congestive cardiomyopathy] Saviotti M, et al. **G Ital Cardiol** 1980;10(10):1412-4 (Eng. Abstr.) **(Ita)**

ABNORMALITIES

Congenital absence of the pulmonary valve. Munyer TP, et al. **AJR** 1981 May;136(5):1027-8

Uhl's anomaly with rudimentary pulmonary valve leaflets: a clinical, hemodynamic, angiographic, and pathologic study. Kaul U, et al. **Am Heart J** 1980 Nov;100(5):673-7

Absent pulmonary valve syndrome in infancy: surgery reconsidered. Dunnigan A, et al. **Am J Cardiol** 1981 Jul; 48(1):117-22

Hereditary dysplasia of the pulmonary valve in beagle dogs. Pathologic and genetic studies. Patterson DF, et al. **Am J Cardiol** 1981 Mar;47(3):631-41

Fallot's tetralogy. Its occurrence with absent pulmonary valve and sinus of Valsalva aneurysm in an adult. Parker ME, et al. **Arch Pathol Lab Med** 1980 Nov;104(11):597-8

Collateral arteries in pulmonary atresia with ventricular septal defect. A precarious blood supply. Haworth SG. **Br Heart J** 1980 Jul;44(1):5-13

Growth and development of pulmonary circulation in pulmonary atresia with ventricular septal defect and major aortopulmonary collateral arteries. Haworth SG, et al. **Br Heart J** 1980 Jul;44(1):14-24

Effect of prostaglandin E1 on pulmonary circulation in pulmonary atresia. A quantitative morphometric study. Haworth SG, et al. **Br Heart J** 1980 Mar;43(3):306-14

Pulmonary atresia and intact ventricular septum and corrected transposition of the great arteries. Shimizu T, et al. **Br Heart J** 1981 Apr;45(4):471-4

Development of the ductus arteriosus in right ventricular outflow tract obstruction. Santos MA, et al. **Circulation** 1980 Oct;62(4):818-22

Congenital absence of the pulmonary valve associated with ventricular septal defect. Augustinová A, et al. **Cor Vasa** 1981;23(3):197-201

Uhl's anomaly associated with pulmonary atresia. Descalzo A, et al. **Hum Pathol** 1980 Sep;11(5 Suppl):575-6

Congenital malformations of the semilunar valves. Moore GW, et al. **Hum Pathol** 1980 Jul;11(4):367-72

Tetralogy of Fallot: cases with absent pulmonary valve. Hawkins JA, et al. **J Kans Med Soc** 1980 Sep;81(9):400-5

Tetralogy of Fallot with absent pulmonary valve. Should valve insertion be part of the intracardiac repair? Ilbawi MN, et al. **J Thorac Cardiovasc Surg** 1981 Jun;81(6):906-15

Management of pulmonary atresia with ventricular septal defect and hypoplastic pulmonary arteries by right ventricular outflow construction. Piehler JM, et al. **J Thorac Cardiovasc Surg** 1980 Oct;80(4):552-67

Tunica media of aorta and pulmonary trunk in relation to internal calibres in transposition of great arteries, in aortic and pulmonary atresia and in normal hearts. van Meurs-van Woezik H, et al. **Virchows Arch [Pathol Anat]** 1980; 386(3):303-16

[Pulmonary valve aplasia associated with a defect of the ventricular septum] First T, et al. **Cesk Pediatr** 1980 Oct; 35(10):536-9 (Eng. Abstr.) **(Cze)**

[Agenesis of the ductus arteriosus Botalli and premature closure of the foramen ovale, in combination with mitral valve atresia, hypoplastic left ventricle, transposition of the great arteries, and pulmonary valve atresia (author's transl)] Leitner G, et al. **Pathol Res Pract** 1980;170(4):410-9 (Eng. Abstr.) **(Ger)**

[Absent pulmonary valve. Report of 4 cases, echocardiographic assessment and review of the literature (author's transl)] Gallo P, et al. **G Ital Cardiol** 1980; 10(1):100-12 (84 ref.) (Eng. Abstr.) **(Ita)**

[Construction of right ventricular outflow tract in pulmonary atresia and ventricular septal defect with poorly developed pulmonary arteries-as a palliative operation (author's transl)] Ogawa K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Jan;29(1):98-102 **(Jpn)**

[Pulmonary valve agenesis associated with interventricular communication] Hueb WA, et al. **Arq Bras Cardiol** 1981 Jan;36(1):53-8 (Eng. Abstr.) **(Por)**

[Diagnostic features of congenital absence of pulmonary valve (author's transl)] Quero Jiménez C, et al. **An Esp Pediatr** 1981 Jan;14(1):7-18 (Eng. Abstr.) **(Spa)**

[Syndrome of agenesis or extreme hypoplasia of the pulmonary valve. Presentation of 18 cases] Malo Concepción P, et al. **Rev Esp Cardiol** 1980;33(5):531-45 (Eng. Abstr.) **(Spa)**

EMBRYOLOGY

Maturation of the extracellular material of the semilunar heart values in the mouse. A histochemical analysis of collagen and mucopolysaccharides. Colvée E, et al. **Anat Embryol (Berl)** 1981;162(3):343-52

Development of mouse semilunar valves. Hurle JM, et al. **Anat Embryol (Berl)** 1980;160(1):83-91

PATHOLOGY

[Fenestrations of the aortic and pulmonary sigmoid valves. Anatomic study] Penther P, et al. **Arch Mal Coeur** 1980 Dec;73(12):1447-54 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

The relationship of pulmonary valve motion to the motion of surrounding cardiac structures: a two-dimensional and dual M-mode echocardiographic study. Green SE, et al. **Circulation** 1981 Jul;64(1):107-12

PHYSIOPATHOLOGY

Premature pulmonic valve opening and inverted septal convexity in acute ischemic right ventricular dysfunction. Coma-Canella I, et al. **Am Heart J** 1981 May;101(5):684-5

Premature pulmonary valve opening in a patient with absent tricuspid valve. D'Cruz IA, et al. **Br Heart J** 1980 Dec; 44(6):714-7

Truncus arteriosus with apparent pulmonary valve echocardiogram. Meltzer RS, et al. **Chest** 1980 Oct; 78(4):632-4

Contrast echocardiographic evaluation of changes in flow velocity in the right side of the heart. Shina A, et al. **Circulation** 1981 Jun;63(6):1408-16

Pericardial tamponade and its effect on cardiac performance in absence of the pulmonic valve. Milo S, et al. **J Thorac Cardiovasc Surg** 1981 May;81(5):787-92

[Quantitative analysis of the outflow tract stenosis of right ventricle in corrective surgery of congenital heart diseases (author's transl)] Tsuji T, et al. **Kokyu To Junkan** 1980 Sep;28(9):1031-6 (Eng. Abstr.) **(Jpn)**

SURGERY

Carcinoid heart disease: eight-year survival following tricuspid valve replacement and pulmonary valvotomy. Hendel N, et al. **Ann Thorac Surg** 1980 Oct;30(4):391-95

Corrective surgery for tetralogy of Fallot without or with minimal right ventriculotomy and with repair of the pulmonary valve. Kawashima Y, et al. **Circulation** 1981 Aug;64(2 Pt 2):147-53

Conduit-integration in correction of right ventricular outflow obstruction. Doetsch N, et al. **Thorac Cardiovasc Surg** 1980 Dec;28(6):441-3

[Surgical correction of tetralogy of Fallot with initial pulmonary valve replacement (author's transl)] Matsukawa T, et al. **Kyobu Geka** 1980 Aug;33(8):581-6 (Eng. Abstr.) **(Jpn)**

[The surgical management of pulmonary atresia with intact ventricular septum - a case of formalin infiltration of the ductus arteriosus (author's transl)] Nagata M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1980 Jul;28(7):1191-8 (Eng. Abstr.) **(Jpn)**

[Blood cyst of the pulmonary valve: a case report (author's transl)] Ogawa K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1980 Jul;28(7):1162-9 (Eng. Abstr.) **(Jpn)**

PULMONARY VALVE INSUFFICIENCY

COMPLICATIONS

[Cor pulmonale with pulmonic valve insufficiency (5 cases)] Li Z, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980; 8(1):39-42 (Eng. Abstr.) **(Chi)**

DIAGNOSIS

M-mode and cross-sectional echocardiographic features of flail pulmonary valve. A case report. Nakamura K, et al. **Jpn Heart J** 1980 Nov;21(6):897-902

SURGERY

[Rastelli operation for tetralogy of Fallot with pulmonary atresia (author's transl)] Fujiwara T, et al. **Kyobu Geka** 1980;33(7):487-94 (Eng. Abstr.) **(Jpn)**

PULMONARY VALVE STENOSIS

Experimental induction of intrinsic valve stenosis. Raju S, et al. **Am Surg** 1980 Sep;46(9):485-93

[Specificity and sensitivity of pulmonary valve motion in echocardiographic examination as an index of pulmonary hypertension] Scarpini S, et al. **G Ital Cardiol** 1980; 10(10):1349-55 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Pulmonic valve stenosis, atrial septal defect and left-to-right

interatrial shunting with intact ventricular septum. A distinct hemodynamic-morphologic syndrome. Arnett EN, et al. **Chest** 1980 Nov;78(5):759-62

Haemolysis following repair of subpulmonic ventricular septal defect with pulmonic stenosis. Anzai N, et al. **Jpn Circ J** 1980 Nov;44(11):899-902

Double outlet right ventricle, non-committed ventricular septal defect and pulmonic stenosis. Anatomical and surgical considerations. Luisi VS, et al. **Thorac Cardiovasc Surg** 1980 Oct;28(5):368-70

[Transposition of the great vessels with ventricular septal defect, pulmonary stenosis and tricuspid valvular insufficiency. Surgical treatment with Rastelli procedure and tricuspid valve replacement (author's transl)] Dubost C, et al. **Ann Chir** 1980 Oct;34(8):581-4 (Eng. Abstr.) **(Fre)**

[Calcified pulmonary stenosis] Nègre E, et al. **Arch Mal Coeur** 1981 Feb;74(2):241-4 **(Fre)**

[Aneurysm of the membranous ventricular septum with infundibular pulmonary stenosis and pseudocoarctation of the aorta] Goebel N, et al. **ROEFO** 1980 Aug;133(2):211-3 **(Ger)**

CONGENITAL

Secondary sternal closure: a method of preventing cardiac compression. Gangahar DM, et al. **Ann Thorac Surg** 1981 Mar;31(3):281-2

Haemodynamic studies in congenital pulmonary arterial stenoses before and after removal of obstruction. Mašura J, et al. **Cor Vasa** 1981;23(1):56-65

Congenital pulmonary valvular and infundibular stenosis complicating Ebstein's anomaly of the tricuspid valve. A case report. Alipour MS, et al. **Jpn Heart J** 1980 Nov; 21(6):883-90

DIAGNOSIS

Preoperative and postoperative echocardiographic studies of pulmonic valvular endocarditis. Chiang CW, et al. **Chest** 1981 Aug;80(2):232-4

[120 cases of the Williams and Beuren syndrome] Vernant P, et al. **Arch Mal Coeur** 1980 Jun;73(6):661-6 (Eng. Abstr.) **(Fre)**

[Evaluation of pulmonary valve stenosis by means of phonomechanocardiography] Esquivel Avila J, et al. **Arch Inst Cardiol Mex** 1980 Sep-Oct;50(5):579-86 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

[Action of convallotoxin on cardiac hemodynamics in experimental stenosis of the pulmonary trunk] Frantsuzova SB, et al. **Farmakol Toksikol** 1980 Nov-Dec;43(6):674-9 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Acquired pulmonic stenosis due to a mediastinal seminoma. Kindig JR, et al. **Chest** 1980 Sep;78(3):493-5

Left ventricular outflow tract obstruction due to an aneurysm of the membranous septum in a patient with pulmonary atresia and ventricular septum defect - case report. Di Benedetto G, et al. **Thorac Cardiovasc Surg** 1980 Dec; 28(6):446-8

[Chronic constrictive pericarditis resulting in pulmonary stenosis (author's transl)] Luo XJ, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1979; 7(3):230-1 **(Chi)**

FAMILIAL & GENETIC

[The familial genesis of peripheral pulmonary stenosis (author's transl)] Hoshino Y, et al. **Kokyu To Junkan** 1981 Jan;29(1):101-7 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Hereditary dysplasia of the pulmonary valve in beagle dogs. Pathologic and genetic studies. Patterson DF, et al. **Am J Cardiol** 1981 Mar;47(3):631-41

[Congenital heart diseases: histology in pulmonary stenosis] Okada R. **Nippon Rinsho** 1980 Jun;38(6):2522-5 **(Jpn)**

PHYSIOPATHOLOGY

Supravalvular pulmonic and aortic stenoses and intrahepatic bile duct hypoplasia. Devloo-Blancquaert A, et al. **Acta Paediatr Belg** 1980 Apr-Jun;33(2):95-103

Mid systolic notching of pulmonary valve [letter] Haddad AK, et al. **Am J Cardiol** 1980 Sep;46(3):524-5

[Quantitative analysis of the outflow tract stenosis of right ventricle in corrective surgery of congenital heart diseases (author's transl)] Tsuji T, et al. **Kokyu To Junkan** 1980 Sep;28(9):1031-6 (Eng. Abstr.) **(Jpn)**

[Postoperative hemodynamic studies of severe pure pulmonary stenosis undergone surgery in the first year of life studied 2 to 11 years after operation (author's transl)] Harada M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1980 Jun;28(6):972-7 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

The pulmonary artery segment in normal and in valvular pulmonary stenosis. Hernandez F, et al. **Angiology** 1981 May;32(5):311-20

[The chest X-ray in children with pulmonic stenosis and intact ventricular septum (author's transl)] Rautenburg HW, et al. **Herz** 1980 Oct;5(5):306-13 (Eng. Abstr.) **(Ger)**

[Radiological diagnosis of peripheral pulmonary stenosis (author's transl)] Grosse-Vorholt R, et al. **ROEFO** 1980 Feb;132(2):184-7 (Eng. Abstr.) **(Ger)**

[Interventricular communication with infundibular reaction (author's transl)] Marqués Defez JL, et al. **An Esp Pediatr** 1980 Jul;13(7):583-8 (Eng. Abstr.) **(Spa)**

SURGERY

Extreme right ventricular hypoplasia after relief of severe pulmonary stenosis. Use of balloon catheter occlusion of atrial septal defect in assessing right ventricular function. Cotter L, et al. **Br Heart J** 1980 Oct;44(4):469-71

Closed pulmonary valvotomy in infants under 6 months of age: report of 14 consecutive cases without mortality. Milo S, et al. **Thorax** 1980 Nov;35(11):814-8

Pulmonary stenosis with intact ventricular septum, 1968 - 1978. Spencer H, et al. **West Indian Med J** 1980 Dec;29 Suppl:314-7

Pulmonary stenosis with intact ventricular septum, 1968-1978. Spencer H, et al. **West Indian Med J** 1980 Dec; 29 Suppl:314-7

[Isolated pulmonary stenosis. Radiological aspects 10 to 25 years after surgical treatment] Malara D, et al. **Minerva Cardioangiol** 1980 Jun;28(6):401-12 (Eng. Abstr.) **(Ita)**

[Isolated pulmonary stenosis. Electrocardiographic aspects 10 to 25 years after surgical treatment] Presbitero P, et al. **Minerva Cardioangiol** 1980 Jun;28(6):389-400 (Eng. Abstr.) **(Ita)**

[Isolated pulmonary stenosis: long-term results of surgical treatment of 218 cases followed up 10-25 years after surgery] Santarelli P, et al. **Minerva Cardioangiol** 1980 May; 28(5):315-28 (Eng. Abstr.) **(Ita)**

[Surgical treatment of pulmonary stenosis associated with Noonan's syndrome (author's transl)] Kondo K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1980 Oct; 28(10):1584-90 (Eng. Abstr.) **(Jpn)**

[Successful repair of double-outlet right ventricle (S.D.L.) with subaortic ventricular septal defect and pulmonary stenosis using valved external conduit (author's transl)] Machara T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1980 Sep;28(9):1462-8 (Eng. Abstr.) **(Jpn)**

[Late results of the surgical treatment of pulmonary artery stenosis] Spasokukotskii Alu, et al. **Grudn Khir** 1981 Jul-Aug;(4):32-7 (Eng. Abstr.) **(Rus)**

[Management of pulmonary stenosis in the correction of the tetralogy of Fallot] López Soriano F, et al. **Arch Inst Cardiol Mex** 1980 Sep-Oct;50(5):601-5 (Eng. Abstr.) **(Spa)**

VETERINARY

Genuine concurrent muscular subvalvular subaortic stenosis and muscular infundibular stenosis of the right ventricle in the heart of the pig. van Nie CJ, et al. **Tijdschr Diergeneeskd** 1980 Jul 15;105(14):suppl 3:160-5

PULMONARY VEINS

Pulmonary venous dilatation in pulmonary veno-occlusive disease. Massumi A, et al. **Am J Cardiol** 1981 Sep; 48(3):585-9

Pulmonary veno-occlusive disease. Morphological changes suggesting a viral cause. McDonnell PJ, et al. **JAMA** 1981 Aug 7;246(6):667-71

Dynamic computed tomography in the evaluation of vascular lung lesions. Godwin JD, et al. **Radiology** 1981 Mar; 138(3):629-35

[X-ray diagnosis of pulmonary arteriovenous fistula (author's transl)] Guo DW. **Chung Hua Fang She Hsueh Tsa Chih** 1980 Nov; 14(4):259-61 **(Chi)**

[Arteriovenous fistula of the lung in children and the relationship with hereditary hemorrhagic telangiectasis] Hess J, et al. **Ned Tijdschr Geneeskd** 1980 Nov 8; 124(45):1909-14 (Eng. Abstr.) **(Dut)**

[A case report of multiple small arteriovenous fistulas of the lung associated with juvenile hepatic cirrhosis (author's transl)] Ishihara H, et al. **Kokyu To Junkan** 1980 Sep; 28(9):1063-8 (Eng. Abstr.) **(Jpn)**

[Problems of the operation of heart disease combined with arteriovenous fistula (PAVF) (author's transl)] Nojiri C, et al. **Kyobu Geka** 1981 Apr;34(4):284-8 (Eng. Abstr.) **(Jpn)**

[Pulmonary arteriovenous fistula: report of two cases (author's transl)] Ohno T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1980 Jul;28(7):1178-84 (Eng. Abstr.) **(Jpn)**

[What is it? Pulmonary arteriovenous malformations] Flejsierowicz Z, et al. **Pol Przegl Radiol** 1980;44(4):315-7 **(Pol)**

ABNORMALITIES

Unilateral pulmonary vein atresia. Swischuk LE, et al. **AJR** 1980 Oct;135(4):667-72

Anomalous left pulmonary venous drainage to the inferior vena cava and through the pericardiophrenic vein to the innominate vein:left-sided scimitar syndrome. Mardini MK, et al. **Am Heart J** 1981 Jun;101(6):860-3

Regional differences in pulmonary vascular resistance in the same patient. A study of partial anomalous pulmonary venous return, intact atrial septum, and mitral stenosis before and after surgical correction. Lorell B, et al. **Ann Intern Med** 1980 Sep;93(3):437-40

Isolated partial anomalous venous connection: a congenital defect with late and serious complications. Babb JD, et al. **Ann Thorac Surg** 1981 Jun;31(6):540-1

Infradiaphragmatic total anomalous pulmonary venous drainage: surgical treatment and long-term results. Bove EL, et al. **Ann Thorac Surg** 1981 Jun;31(6):544-50

Thoracopulmonary hypogenesis with systemic artery-pulmonary vessel fistulae: report of a case. Chiu RC, et al. **Ann Thorac Surg** 1981 Apr;31(4):360-3

Simultaneous correction of aortic coarctation and partial anomalous pulmonary venous return. Moreno-Cabral RJ, et al. **Ann Thorac Surg** 1981 Aug;32(2):197-201

Total anomalous pulmonary venous connection: surgical considerations. Norwood WI, et al. **Cardiovasc Clin** 1981; 11(2):353-64 (32 ref.)

Anomalous unilateral single pulmonary vein mimicking pulmonary varices. Hasuo K, et al. **Chest** 1981 May; 79(5):602-4

Cross-sectional echocardiographic imaging of supracardiac total anomalous pulmonary venous drainage to a vertical vein in a patient with Holt-Oram syndrome. Sahn DJ, et al. **Chest** 1981 Jan;79(1):113-5

Congenital pulmonary arteriovenous aneurysm. Sty JR, et al. **Clin Nucl Med** 1981 Feb;6(2):86-8

Obstructed total anomalous pulmonary venous return confused the persistent pulmonary hypertension of the newborn. Fakhraee SH, et al. **Clin Pediatr (Phila)** 1980 Sep; 19(9):644-5

Total anomalous pulmonary venous return in children and adults. Results of corrective surgery. John S, et al. **J Cardiovasc Surg (Torino)** 1981 Jan-Feb;22(1):9-14

Total anomalous pulmonary venous connection in infancy. Ten years' experience including studies of postoperative ventricular function. Hammon JW Jr, et al. **J Thorac Cardiovasc Surg** 1980 Oct;80(4):544-51

Echocardiographic assessment of Qp/Qs in children with atrial septal defect or partial anomalous pulmonary venous connection. Ueda T, et al. **Jpn Circ J** 1981 Jun;45(6):639-45

The spectrum of pulmonary arterio-venous fistulae. Clinico-pathological correlations. Gula G, et al. **Thorac Cardiovasc Surg** 1981 Feb;29(1):51-4

[Surgical correction of total anomalous pulmonary venous drainage (scimitar syndrome)] Dimitrov D, et al. **Khirurgiia (Sofiia)** 1980;33(5):390-4 (Eng. Abstr.) **(Bul)**

[Pulmonary arteriovenous fistulas (author's transl)] Ding JA. **Chung Hua Wai Ko Tsa Chih** 1980;18(1):33-5 **(Chi)**

[Left superior vena cava simulating abnormal pulmonary venous return] Morand P, et al. **Arch Mal Coeur** 1980 Oct; 73(10):1211-6 (Eng. Abstr.) **(Fre)**

[An unusual case of scimitar syndrome] Polák J, et al. **Radiol Diagn (Berl)** 1980 Feb;21(1):46-52 (Eng. Abstr.) **(Ger)**

[Echocardiographic diagnosis of total pulmonary vein transposition] Kádár K, et al. **Orv Hetil** 1980 Jun 15; 121(24):1435-7 **(Hun)**

[The scimitar syndrome. A clinical contribution and review of the literature (author's transl)] Antico L, et al. **G Ital Cardiol** 1980;10(9):1212-8 (Eng. Abstr.) **(Ita)**

[Tetralogy of Fallot associated with total anomalous pulmonary venous drainage. Case report (author's transl)] Bonvicini M, et al. **G Ital Cardiol** 1980;10(11):1538-45 (Eng. Abstr.) **(Ita)**

[Enlarged coronary sinus. Mono and bidimensional echocardiographic aspects (author's transl)] De Leva F, et al. **G Ital Cardiol** 1980;10(11):1551-6 (Eng. Abstr.) **(Ita)**

[Successful delayed closure of the median sternotomy wound experienced in an infant with total correction of total anomalous pulmonary venous return (author's transl)] Hanada S, et al. **Kyobu Geka** 1980;33(7):517-9 (Eng. Abstr.) **(Jpn)**

[A surgical case of mixed type of TAPVC in a two months old girl (author's transl)] Kawauchi M, et al. **Kyobu Geka** 1981 Apr;34(4):306-8 (Eng. Abstr.) **(Jpn)**

[A case report of tetralogy of Fallot associated with total anomalous pulmonary venous connection (author's transl)] Miyamoto S, et al. **Kyobu Geka** 1980;33(9):712-5 (Eng. Abstr.) **(Jpn)**

[Three cases of total anomalous pulmonary venous connection in adolescence (author's transl)] Kitoh S, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1980 Oct; 28(10):1548-57 (Eng. Abstr.) **(Jpn)**

[Bilateral partial anomalous pulmonary venous connection into the coronary sinus without atrial septal defect: report of two cases of surgical repair (author's transl)] Oka Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1980 Oct; 28(10):1570-7 (Eng. Abstr.) **(Jpn)**

[Scimitar syndrome -- a peculiar form of abnormal venous blood outflow from the lungs (author's transl)] Sluszkiewicz-Potaż Z. **Pol Przegl Radiol** 1980 May-Jun; 44(3):249-50 **(Pol)**

[Anomalous drainage of pulmonary veins - recent technical changes in the repair of the total supracardiac type - review of 22 cases] Succi JE, et al. **Arq Bras Cardiol** 1980 Oct; 35(4):341-3 (Eng. Abstr.) **(Por)**

[Anomalous pulmonary venous drainage into the inferior vena cava] Bukharin VA, et al. **Grudn Khir** 1981 Jan-Feb;

(1):17–23 (Eng. Abstr.) **(Rus)**

[Endovascular (via catheter) closure of a pulmonary arteriovenous fistula] Neklasov IuF, et al. **Grudn Khir** 1981 Mar–Apr;(2):85–6 **(Rus)**

[Diagnostic value of electro- and phonocardiography in detection of partial abnormal pulmonary vein drainage] Mal'sagov GÚ, et al. **Kardiologiia** 1981;21(1):106–7 **(Rus)**

[Pulmonary arteriovenous aneurysm in a 9-month-old infant] Cekovský L, et al. **Cesk Pediatr** 1981 May;36(5):273–5 **(Slo)**

[Scimitar syndrome] Puchala M, et al. **Vnitr Lek** 1981 Jun; 27(6):598–601 (Eng. Abstr.) **(Slo)**

[Total anomalous pulmonary venous drainage. Nine case reports (author's transl)] Vázquez C, et al. **An Esp Pediatr** 1980 Nov;13(11):953–64 (Eng. Abstr.) **(Spa)**

CYTOLOGY

The occurrence of the myocardial coat of pulmonary veins in various species of mammals. Klika E, et al. **Folia Morphol (Praha)** 1980;28(4):381–4

DRUG EFFECTS

Serotonin receptors subserve only contraction in canine and rat pulmonary arteries and veins. Chand N, et al. **Artery** 1980;7(3):232–45

Reactivity of isolated rat and canine pulmonary blood vessels to synthetic prostaglandin endoperoxide (PGH2) analogs. Chand N, et al. **Prostaglandins Med** 1980 Dec;5(6):469–75

[Changes in diameters of small pulmonary venous and arterial vessels after nitroglycerin (author's transl)] Kober G, et al. **Z Kardiol** 1981 Jul;70(7):547–54 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Kinins and angiotensins. Angiotensin I converting enzyme (kininase II) in endothelial cells cultured from human pulmonary arteries and veins. Johnson AR, et al. **Clin Exp Hypertens** 1980;2(3–4):659–74

INJURIES

[Combined wound of the heart, vena cava superior, superior right pulmonary vein and right lung] Savinov AP, et al. **Vestn Khir** 1981 Mar;126(3):77–8 **(Rus)**

INNERVATION

Distension of pulmonary vein--left atrial junction: heart rate responses in conscious and anesthetized dogs. Nevalainen TO, et al. **Acta Physiol Scand** 1980 Sep;110(1):47–52

Adrenergic mechanisms in canine intralobar pulmonary arteries and veins. Greenberg S, et al. **Am J Physiol** 1981 Feb;240(2):H274–85

PATHOLOGY

Quantitative structural analysis of the pulmonary vascular bed in congenital heart defects. Rabinovitch M, et al. **Cardiovasc Clin** 1981;11(2):149–69 (46 ref.)

Mediastinal and hilar fibrosis. Sobrinho-Simões MA, et al. **Histopathology** 1981 Jan;5(1):53–60

PHYSIOLOGY

Occurrence of inhibitory histamine H2-receptors in isolated pulmonary blood vessels of dogs and rats. Chand N, et al. **Experientia** 1980 Oct 15;36(10):1186–7

Estimation of the compliance of the human pulmonary 'venous' system from pulmonary artery wedge pressure tracings. Hirakawa S, et al. **Jpn Circ J** 1981 Jan;45(1):15–23

PHYSIOPATHOLOGY

[Wedge pressure in the pulmonary vein and artery] Gusarov GV, et al. **Vestn Khir** 1980 Dec;125(12):3–5 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Opacification of pulmonary veins during wedge angiography [letter] Williams WH, et al. **Crit Care Med** 1981 Feb; 9(2):126–9

[Arteriovenous fistulae: combined radiological examination and pulmonary function tests (author's transl)] Falappa P, et al. **Ann Radiol (Paris)** 1980 Sep–Oct;23(6):506–7 (Eng. Abstr.) **(Fre)**

SURGERY

Repair of combined total anomalous pulmonary venous connection and anomalous systemic connection in early infancy. Turley K, et al. **Ann Thorac Surg** 1981 Jan; 31(1):70–7

Improved pulmonary venous anastomosis using a single left atrial cuff in one-stage bilateral lung autotransplantation. Fujimura S, et al. **Tohoku J Exp Med** 1980 Dec; 132(4):443–52

ULTRASTRUCTURE

Pulmonary vascular response during phases of canine heartworm disease: scanning electron microscopic study. Schaub RG, et al. **Am J Vet Res** 1980 Jul;41(7):1082–9

Scanning electron microscopy of canine pulmonary arteries and veins. Schaub RG, et al. **Am J Vet Res** 1980 Sep; 41(9):1441–6

Kinins and angiotensins. Angiotensin I converting enzyme (kininase II) in endothelial cells cultured from human pulmonary arteries and veins. Johnson AR, et al. **Clin Exp Hypertens** 1980;2(3–4):659–74

PULMONARY VENOUS WEDGE PRESSURE see **PULMONARY WEDGE PRESSURE**

PULMONARY WEDGE PRESSURE

Correlation of triaxicardiometrically determined p terminal forces and pulmonary arterial wedge pressure in acute myocardial infarction. Antalóczy Z, et al. **Adv Cardiol** 1981; 28:194–6

The relationship of pulmonary artery wedge pressure to the posterior aortic wall echocardiogram in patients free of obstructive mitral valve disease. Wasserman AG, et al. **Am Heart J** 1980 Oct;100(4):500–5

Closing volumes with variations in pulmonary capillary wedge pressure. Rice DL, et al. **Am Rev Respir Dis** 1981 May;123(5):513–6

Monitoring pulmonary arterial pressure in coronary-artery disease. Mangano DT. **Anesthesiology** 1980 Nov; 53(5):364–70

Absence of clinical pulmonary edema despite elevated wedge pressures. Anderson FL, et al. **Arch Intern Med** 1981 Aug; 141(9):1207–9

Estimation of pulmonary artery wedge pressure from chest radiograph in patients with chronic congestive cardiomyopathy and ischaemic cardiomyopathy. Dash H, et al. **Br Heart J** 1980 Sep;44(3):322–9

Quantitative analysis of the pulmonary wedge angiogram in congenital heart defects. Correlation with hemodynamic data and morphometric findings in lung biopsy tissue. Rabinovitch M, et al. **Circulation** 1981 Jan;63(1):152–64

Does the pulmonary capillary wedge pressure predict left ventricular preload in critically ill patients? Calvin JE, et al. **Crit Care Med** 1981 Jun;9(6):437–43

Hemoptysis and pneumothorax after removal of a persistently wedged pulmonary artery catheter. Farber DL, et al. **Crit Care Med** 1981 Jun;9(6):494–5

Treatment of acute low pressure pulmonary edema in dogs: relative effects of hydrostatic and oncotic pressure, nitroprusside, and positive end-expiratory pressure. Prewitt RM, et al. **J Clin Invest** 1981 Feb;67(2):409–18

Estimation of the compliance of the human pulmonary 'venous' system from pulmonary artery wedge pressure tracings. Hirakawa S, et al. **Jpn Circ J** 1981 Jan;45(1):15–23

Influence of vascular and transpulmonary pressures on the functional morphology of the pulmonary microcirculation. Mazzone RW. **Microvasc Res** 1980 Nov;20(3):295–306

The association of increased lung water and normal left ventricular filling pressure in human and canine myocardial infarction. Yu PN, et al. **Trans Am Clin Climatol Assoc** 1979;91:135–46

[Interrelation of diastolic pressure in the pulmonary artery and capillary pressure in the lung in left ventricular insufficiency] Figueras J, et al. **Khirurgiia (Sofiia)** 1981; 34(2):170–9 (37 ref.) **(Bul)**

[Relationship between left atrial pressure and pulmonary artery wedge pressure during ventilation with PEEP (letter)] Skarvan K, et al. **Anaesthesist** 1981 Jun; 30(6):309–10 **(Ger)**

[Echocardiographic size of the left atrium and pulmonary 'capillary' pressure in different cardiopathies] Teti G, et al. **G Ital Cardiol** 1979;9(11):1252–8 (Eng. Abstr.) **(Ita)**

[Pulmonary artery pressure and blood gas composition in the acute period of myocardial infarct] Petriashvili PP, et al. **Kardiologiia** 1981 Jun;21(6):45–8 (Eng. Abstr.) **(Rus)**

[Wedge pressure in the pulmonary vein and artery] Gusarov GV, et al. **Vestn Khir** 1980 Dec;125(12):3–5 (Eng. Abstr.) **(Rus)**

[Correlation between the Morris' index and pulmonary capillary pressure in patients with acute myocardial infarction] Fiol Sala M, et al. **Med Clin (Barc)** 1981 Mar 10;76(5):214–7 (Eng. Abstr.) **(Spa)**

PULP CANAL see **DENTAL PULP CAVITY**

PULP CAPPING see **DENTAL PULP CAPPING**

PULP CHAMBER see **DENTAL PULP CAVITY**

PULP NECROSIS see **DENTAL PULP GANGRENE**

PULPECTOMY

see related
DENTAL PULP

[Reaming and root canal disinfection] Schilder H, et al. **Actual Odontostomatol (Paris)** 1980;(132):507–36 (Eng. Abstr.) **(Fre)**

INSTRUMENTATION

[Can pulp extractor instruments be reused?] Krzywicki J, et al. **Czas Stomatol** 1980 Jun;33(6):509–12 (Eng. Abstr.) **(Pol)**

METHODS

Rodent incisor pulp, isolation and sectioning. Pekovic DD, et al. **Rev Can Biol** 1980 Jun;39(2):129–31

[A preliminary study of compound anesthetic of bufo-secretion in pulpectomy (author's transl)] **Chung Hua Kou Chiang Ko Tsa Chih** 1980 Feb;15(2):108–10 **(Chi)**

[Experience of pulpectomy for 396 molars under local anesthesia (author's transl)] Chen ZH. **Chung Hua Kou Chiang Ko Tsa Chih** 1980 Feb;15(2):111–2 **(Chi)**

[Study of the preparation of bufo secretion for painless pulpectomy in mummification of pulp by one time method (author's transl)] Zhao M. **Chung Hua Kou Chiang Ko Tsa Chih** 1979 Jun;14(2):92–4 **(Chi)**

[Treatment of advanced inflammatory states of the pulp in the molars by pulpectomy] Krupiński J, et al. **Czas Stomatol** 1980 Nov;33(11):971–7 (Eng. Abstr.) **(Pol)**

PULPITIS

CHEMICALLY INDUCED

[Experimental pulpitis due to dextran of hematogenous origin] Mascres G, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1980 Jan; 23(1):53–60 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

[Evaluation of the indirect effect of covering the inflamed dental pulp of the dog with Biopulp and zinc oxide with eugenol] Ruszyńska H. **Czas Stomatol** 1980 Nov; 33(11):961–9 (Eng. Abstr.) **(Pol)**

[Evaluation of the effect of the preparation, Pulpomixine, used for indirect covering of inflamed dental pulp in dogs] Ruszyńska H. **Czas Stomatol** 1980 Dec;33(12):1053–9 (Eng. Abstr.) **(Pol)**

[Use of prolonged-action oletetrin in treating inflammatory pulp diseases] Chuchmaĭ GS, et al. **Stomatologiia (Mosk)** 1980 Nov–Dec;59(6):22–3 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

The incidence of mycoplasmas in stomatological disorders and in the oral cavity. Fernolendt M, et al. **Arch Roum Pathol Exp Microbiol** 1980 Oct–Dec; 39(4):317–24

Caries, bacteria, the pulp and plastic restorations. Patterson RC, et al. **Br Dent J** 1981 Jul 21;151(2):54–8 (59 ref.)

A review of microbial and immunologic aspects of endodontics. Keudell K, et al. **J Oral Med** 1981 Apr–Jun; 36(2):39–43

PATHOLOGY

Ultrastructural aspects of inflamed human dental pulp. Viti M. **Bull Group Int Rech Sci Stomatol Odontol** 1980 Apr; 23(2):119–26

Altered vascular permeability in the dental pulp of traumatised rat teeth. Araujo VC, et al. **J Pathol** 1980 Oct; 132(2):181–9

PHYSIOPATHOLOGY

[Circulatory reactions in dental pulp in inflammation. Strangulation or wound healing] Tønder KJ. **Nor Tannlaegeforen Tid** 1981 May;91(7):234–41 **(Nor)**

PREVENTION & CONTROL

Reactions of the dental pulp to microbial provocation of calcium hydroxide treated dentin. Bergenholtz G, et al. **Scand J Dent Res** 1980 Jun;88(3):187–92

SURGERY

[Treatment of advanced inflammatory states of the pulp in the molars by pulpectomy] Krupiński J, et al. **Czas Stomatol** 1980 Nov;33(11):971–7 (Eng. Abstr.) **(Pol)**

THERAPY

[Endodontic views in the work of the Clinic of Conservative Dentistry] Herczegh B. **Fogorv Sz** 1980 Dec;73(12):366–8 (Eng. Abstr.) **(Hun)**

PULPOTOMY

see related
DENTAL PULP

Enhanced healing of tooth-pulp wounds in the dog by enriched collagen solution as a capping agent. Bimstein E, et al. **Arch Oral Biol** 1981;26(2):97–101

The effects of glutaraldehyde on primary pulp tissue following coronal amputation: an in vivo histologic study. Kopel HM, et al. **ASDC J Dent Child** 1980 Nov–Dec; 47(6):425–30

METHODS

Formocresol vital pulpotomy on permanent dentition.

Schwartz EA. **Can Dent Assoc J** 1980 Sep;46(9):570–7
Systemic distribution of 14C–formaldehyde from formocresol–treated pulpotomy sites. Pashley EL, et al. **J Dent Res** 1980 Mar;59(3):602–8

PULSE

Effect of heat stress on physiological factors for industrial workers performing routine work and wearing impermeable vapor–barrier clothing. Mihal CP Jr. **Am Ind Hyg Assoc J** 1981 Feb;42(2):97–103
Atrial alternans: experimental echocardiographic and hemodynamic demonstration during programmed pacing. David D, et al. **Am J Cardiol** 1981 Sep;48(3):468–72
Evaluation of internal carotid stenosis with the Chronopulse, an automated ocular pulse arrival time recorder. Baker JD, et al. **Am J Surg** 1981 Aug;142(2):212–5
Determination of systolic time intervals from the first derivative of the indirect brachial arterial pulse. Stefadouros MA, et al. **Angiology** 1981 Jan;32(1):21–8
Ocular pulse in high myopia: a study of 40 eyes. To'mey KF, et al. **Ann Ophthalmol** 1981 May;13(5):569–71
Toe pulse reappearance time in prediction of aortofemoral bypass success. Bernstein EF, et al. **Ann Surg** 1981 Feb; 193(2):201–5
Variations in height of jugular 'a' wave in relation to heart rate in normal subjects and in patients with atrial septal defect. Thiron JM, et al. **Br Heart J** 1980 Jul;44(1):37–43
Echocardiographic observations of paradoxic pulse without pericardial disease. Kronzon I, et al. **Chest** 1980 Sep; 78(3):474–9
Reduction in pulse wave velocity and improvement of aortic distensibility accompanying regression of atherosclerosis in the rhesus monkey. Farrar DJ, et al. **Circ Res** 1980 Sep; 47(3):425–32
Pulse wave propagation. Li JK, et al. **Circ Res** 1981 Aug; 49(2):442–52
Dicrotic pulse after open heart surgery. Orchard RC, et al. **Circulation** 1980 Nov;62(5):1107–14
Echocardiographic study of the paradoxical arterial pulse in chronic obstructive lung disease. Settle HP Jr, et al. **Circulation** 1980 Dec;62(6):1297–307
A computerized system for the analysis of the carotid pulse and apexcardiogram. Ansalone G, et al. **G Ital Cardiol** 1980; 10(11):1557–63
Circadian rhythm of aerobic productivity. Krivoshchekov SG, et al. **Hum Physiol** 1980 Mar–Apr;6(2):139–45
Cardiac tamponade without demonstrable pulsus paradoxus in haemodialysis patients. Watson AJ, et al. **Ir J Med Sci** 1981 Mar;150(3):78–81
Cardiac rhythmicity of skin sympathetic activity recorded from peripheral nerves in man. Bini G, et al. **J Auton Nerv Syst** 1981 Jun;4(1):17–24
Automatic detection of the upstroke on peripheral pulse waveforms. Grassie TG, et al. **J Biomed Eng** 1981 Jan; 3(1):65–70
Point strain measurement of the pulse. Mizrahi J, et al. **J Med Eng Technol** 1980 Nov;4(6):294–5
The peripheral pulse following arterial injury. Gelberman RH, et al. **J Trauma** 1980 Nov;20(11):948–51
Importance of penile arterial pulse sound examination in impotence. Jevtich MJ. **J Urol** 1980 Dec;124(6):820–4
Determining the patency of femoral–popliteal bypass grafts [letter] Zelikowski A, et al. **N Engl J Med** 1981 Jun 4; 304(23):1430
An experimental analysis of discrimination of pulse transit time. Martin JE, et al. **Percept Mot Skills** 1980 Oct; 51(2):647–53
The analysis of behavioural control over cardiovascular activity using pulse transit time methodology. Steptoe A, et al. **Physiol Behav** 1981 May;26(5):927–33
Power pulse generators, electrodes, and longevity. Tyers GF, et al. **Prog Cardiovasc Dis** 1981 May–Jun;23(6):421–34
Pulse transit time as an indicator of arterial blood pressure. Geddes LA, et al. **Psychophysiology** 1981 Jan;18(1):71–4
Carotid dP/dt as a psychophysiological index of sympathetic myocardial effects: some considerations. Heslegrave RJ, et al. **Psychophysiology** 1980 Sep;17(5):482–94 (64 ref.)
Voluntary control of pulse transmission time to the ear. Newlin D, et al. **Psychophysiology** 1980 Nov;17(6):581–5
Comments on 'carotid dP/dt as a psychophysiological index of sympathetic myocardial effects: some considerations'. Obrist PA, et al. **Psychophysiology** 1980 Sep;17(5):495–8
A contribution to selection criteria and the method of evaluation of some periodic mechanocardiographic data noninvasively obtained by means of digital computer. Kosmák I, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1980; 23(4):511–28
Determination of cardiac output from pulse pressure contour during intra–aortic balloon pumping. Høie J. **Scand J Clin Lab Invest** 1980 Sep;40(5):445–9
The value of intraoperative monitoring using the pulse volume recorder during peripheral vascular reconstructive operations. O'Hara PJ, et al. **Surg Gynecol Obstet** 1981 Mar;152(3):275–81
[Determination of the pulse wave spreading rate by the 1st rheographic derivative] Daskalov M. **Vutr Boles** 1981; 20(1):46–54 (Eng. Abstr.) **(Bul)**
[1st derivatives of the apex cardiogram and carotid sphygmogram and their clinical use in aortic valve defects and hypertrophic subaortic stenosis] Kolev N. **Vutr Boles** 1980;19(5):33–8 (Eng. Abstr.) **(Bul)**
[Pulsogram in women: preliminary report of 1,137 cases (author's transl)] Zhang LR. **Chung Hua Fu Chan Ko Tsa Chih** 1980 Jul;15(3):156–8 **(Chi)**
[Apexcardiogram and carotid sphygmogram in patients with idiopathic hypertrophic subaortic stenosis (author's transl)] Jandík J, et al. **Cas Lek Cesk** 1981 May 28;120(21):640–4 (Eng. Abstr.) **(Cze)**
[Evaluation of the performance of horses using pulse rate loading dynamics after basic training] Kovář J, et al. **Vet Med (Praha)** 1981;26(5):291–5 (Eng. Abstr.) **(Cze)**
[Kussmaul's paradoxical pulse. Etiopathogenic aspects] Pétein M, et al. **Arch Mal Coeur** 1981 Mar;74(3):337–45 (Eng. Abstr.) **(Fre)**
[The relation between blood pressure and pulse and respiration rate in the borderline between orthostatic hypotension and normal regulation (author's transl)] Weckenmann M. **Basic Res Cardiol** 1981 Mar–Apr; 76(2):211–23 (Eng. Abstr.) **(Ger)**
[On the reaction of finger pulse amplitude to noise (author's transl)] Neus H, et al. **Int Arch Occup Environ Health** 1980; 47(1):9–19 (Eng. Abstr.) **(Ger)**
[Performance, pulse and metabolism of health resort patients during walking and during ergometry training] Hille H, et al. **Med Welt** 1981 Jul 10;32(28):1119–22 **(Ger)**
[On the relationship between the frequency of pulse and respiration in children (author's transl)] Breithaupt H, et al. **Monatsschr Kinderheilkd** 1980 Jun;128(6):405–11 (Eng. Abstr.) **(Ger)**
[Longitudinal data of blood pressure and pulse frequency during childhood (author's transl)] Reinken L, et al. **Monatsschr Kinderheilkd** 1980 Sep;128(9):611–4 (Eng. Abstr.) **(Ger)**
[The significance of the arterial pulse waves and their enveloppe curves in endogenous depression] Poppe W, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1980 Mar; 32(3):146–51 (Eng. Abstr.) **(Ger)**
[Measurement of the velocity of the pulse wave] Basilico V, et al. **Boll Soc Ital Biol Sper** 1979 Sep 15;55(17):1759–65 (Eng. Abstr.) **(Ita)**
[Echocardiographic findings of pulsus paradoxus: cardiovascular changes due to respiration (author's transl)] Anno Y, et al. **J Cardiogr** 1981 Mar;11(1):147–60 (Eng. Abstr.) **(Jpn)**
[Studies on effects of venous pulsation under the extracorporeal circulation especially upon the peripheral circulation (author's transl)] Okada K, et al. **Kokyu To Junkan** 1980 Oct;28(10):1175–81 (Eng. Abstr.) **(Jpn)**
[Circadian, circa–monthly and circannual rhythm of blood pressure, oral temperature and pulse rate in a clinically healthy woman (author's transl)] Kawasaki T, et al. **Nippon Naika Gakkai Zasshi** 1980 Oct 10;69(10):1293–8 **(Jpn)**
[Changes in pulse amplitude of ICP under intracranial hypertension—analysis from the concept of driving pressure (author's transl)] Nakaya T, et al. **No To Shinkei** 1980 Jun;32(6):635–43 **(Jpn)**
[Experimental models of conflict situations with pulse and blood pressure recording] Iumatov EA. **Zh Vyssh Nerv Deiat** 1980 Jul–Aug;30(4):860–4 **(Rus)**
[Comparison of noninvasive methods of blood pressure measurements with the use of microphone, ultrasound, and oscillometric detection of arterial pulsations (author's transl)] Rudinská L, et al. **Bratisl Lek Listy** 1981 Jan; 75(1):35–41 (Eng. Abstr.) **(Slo)**

DRUG EFFECTS

Blood pressure and pulse response to insulin–induced hypoglycemia during non–selective and selective beta–blockade. Pape J, et al. **Acta Med Scand [Suppl]** 1981; 645:105–8
Finger pulse plethysmographic effects of two oral sustained–release formulations of isosorbide dinitrate in normal man. Schnelle K, et al. **Arzneimittelforsch** 1981; 31(5):840–3
Counteraction of circulatory side effects of ketamine by pretreatment with diazepam. Zsigmond EK, et al. **Clin Ther** 1980;3(1):28–32
Cardiovascular responses in hypertensive outpatients starting oral propranolol, determined from the brachial pulse upstroke. Carlisle R, et al. **Eur J Cardiol** 1980;12(1):63–72
Bromocriptine in Parkinson's disease: a study of cardiovascular effects. Quinn N, et al. **J Neurol Neurosurg Psychiatry** 1981 May;44(5):426–9
[Effects of angiotensin I converting enzyme inhibitor (captopril) on blood pressure, pulse rate, plasma renin activity, and plasma aldosterone concentration in patients with essential hypertension and normal subjects] Seto S, et al. **Nippon Naika Gakkai Zasshi** 1980 Nov;69(11):1439–46 **(Jpn)**

METHODS

[Method and utilization of the calibrated and differentiated carotid artery sphygmography] Reinhold D, et al. **Z Gesamte Inn Med** 1980 Jul 1;35(13):564–7 (Eng. Abstr.) **(Ger)**

PULSE RADIOLYSIS see under **SPECTRUM ANALYSIS**

PULSELESS DISEASE see **AORTIC ARCH SYNDROMES**

PUNCHED–CARD SYSTEMS

[A mechanographic card file for ocular traumatology] Cornand G. **Bull Soc Ophtalmol Fr** 1980 Oct;80(10):975–7 **(Fre)**
[Use of data processing cards for information retrieval from medical documents. Case reports, bibliographic references, series of observations (author's transl)] Aubert J, et al. **J Urol (Paris)** 1981;87(3):147–51 (Eng. Abstr.) **(Fre)**
['Feature cards': a simple and logical system for clinical research] Wilkin TJ, et al. **Nouv Presse Med** 1979 Feb 3; 8(6):445–6 **(Fre)**

INSTRUMENTATION

[Information/documentation at the State Institute for Control of Sera and Vaccines] Rossner E, et al. **Z Gesamte Hyg** 1980;26(12):902–5 (Eng. Abstr.) **(Ger)**

PUNCTURE BIOPSY see **BIOPSY, NEEDLE**

PUNCTURES

Tympanostomy tubes [letter] Lulenski GC. **Arch Otolaryngol** 1981 May;107(5):325
Open and percutaneous paracentesis and lavage for abdominal trauma: a randomized prospective study. Pachter HL, et al. **Arch Surg** 1981 Mar;116(3):318–9
Identifying and sampling minimal amounts of liquid in the peritoneal cavity. Peritoneal paracentesis and the paracolico–iliac recess: a simple bedside method. O Beirn SF. **Ir J Med Sci** 1981 Apr;150(4):121–3
Iliopsoas bursa demonstrated at femoral puncture [letter] Beggs I. **J R Soc Med** 1980 May;73(5):393–4
Diagnosis and treatment of fluid–filled renal structures in children with ultrasonography and percutaneous puncture. Bartone FF, et al. **Urology** 1980 Oct;16(4):432–41
[Clinical value of puncture of the anterior chamber of the eye] Michiels J. **Bull Mem Acad R Med Belg** 1980 Feb 23;135(2):154–72 (Eng. Abstr.) **(Fre)**
[Diagnostic peritoneal tap and lavage in blunt abdominal trauma (author's transl)] Klaue P. **Zentralbl Chir** 1980; 105(5):281–90 (Eng. Abstr.) **(Ger)**
[Abdominal puncture assisted by ultrasonography (author's transl)] Ohto M, et al. **Rinsho Hoshasen** 1980; 25(10):1049–61 **(Jpn)**
[Electrocardiographic control during puncture catheterization of the subclavian vein] Novozhilov VA. **Vestn Khir** 1981 Jun;126(6):135–8 **(Rus)**

ADVERSE EFFECTS

Femoral artery puncture sites [letter] Lathi SG. **AJR** 1981 Jul;137(1):184
Outbreak of staphylococcal infections following heel puncture for blood sampling. Lauer BA, et al. **Am J Dis Child** 1981 Mar;135(3):277–8
Accidental puncture of pelvic kidney: A rare complication of culdocentesis. Granat M, et al. **Am J Obstet Gynecol** 1980 Sep 15;138(2):233–5
Median nerve compression following radial arterial puncture. Marshall G, et al. **Anesth Analg (Cleve)** 1980 Dec; 59(12):953–4
Neonatal osteomyelitis of the os calcis: a complication of repeated heel punctures. Canale ST, et al. **Clin Orthop** 1981 May;(156):178–82
A case of a needle stick. Miller DJ. **J Clin Gastroenterol** 1979 Sep;1(3):251–8
Ureteropelvic junction obstruction resulting from percutaneous cyst puncture and intracystic isophendylate injection: an unusual complications. Camacho MF, et al. **J Urol** 1980 Nov;124(5):713–4
Iatrogenic splenic trauma [letter] Kleinfeld G. **JAMA** 1980 Oct 17;244(16):1784
Delayed iatrogenic rupture of the spleen [letter] Awad RW. **Lancet** 1980 Oct 4;2(8197):754–5
The bacteremic patient as a source of infection [letter] Casey JI, et al. **N Engl J Med** 1981 Sep 3;305(10):582–3
Pediatric vascular injuries. Smith C, et al. **Surgery** 1981 Jul; 90(1):20–31
[Sarcoid nodules of the skin at the site of venipuncture (author's transl)] Choffel C, et al. **Nouv Presse Med** 1981 Feb 28;10(9):697–9 (Eng. Abstr.) **(Fre)**
[Herniography: reevaluation after 3 complications] Ducharme JC, et al. **Union Med Can** 1980 Dec; 109(12):1757–9 **(Fre)**
[Complications in gastroenterological procedures and their surgical treatment] Becker T, et al. **Z Gesamte Inn Med** 1981 Mar;36(5):163–4 (Eng. Abstr.) **(Ger)**
[Percutaneous puncture and catheterization of the subclavian vein in severe hemorrhage, shock states and heart arrest] Odegaard S. **Tidsskr Nor Laegeforen** 1980 Aug 30; 100(24):1443–4 (Eng. Abstr.) **(Nor)**
[Complications of subclavian vein puncture during artificial respiration] Manturov AI. **Vestn Khir** 1981 Jan;126(1):141–3 **(Rus)**
[Failures, errors and complications of puncture catheterization of the subclavian vein (a review of the literature] Uvarov BS, et al. **Vestn Khir** 1980 Dec; 125(12):106–12 (91 ref.) **(Rus)**

V 2 2 / 1 3 . 8 1 UMI

INSTRUMENTATION

[Value of puncture–lavage of the peritoneum with Palmer's needle (letter)] Pinsard M, et al. **Nouv Presse Med** 1981 Feb 21;10(7):517 **(Fre)**

[Experience with sonographically controlled fine-needle punctures with permanent visual control (author's transl)] Otto R, et al. **ROEFO** 1980 Oct;133(4):385–8 (Eng. Abstr.) **(Ger)**

METHODS

Percutaneous nephrostomy. Aspects on clinical application. Hildell J, et al. **Acta Radiol [Diagn] (Stockh)** 1980; 21(4):485–90

Percutaneous nephropyelostomy. A new technique. Lindgren PG, et al. **Acta Radiol [Diagn] (Stockh)** 1980;21(6):759–61

Fetal abdominal paracentesis in the management of gross fetal ascites. de Crespigny LC, et al. **Aust NZ J Obstet Gynaecol** 1980 Nov;20(4):228–30

Ultrasound guided suprapubic puncture--a new, simple way of releasing a blocked Foley balloon. Rees M, et al. **Br J Urol** 1981 Apr;53(2):196

Safe transthoracic left ventricular puncture performed with echocardiographic guidance. Vignola PA, et al. **Cathet Cardiovasc Diagn** 1980;6(3):317–24

Studies on the quality of specimens obtained by skin puncture of children 1. Tendency to hemolysis, and hemoglobin and tissue fluid as contaminants. Meites S, et al. **Clin Chem** 1981 Jun;27(6):875–8

Ultrasound-guided puncture of the subclavian vein. Petzoldt R. **Intensive Care Med** 1980 Nov;7(1):39–40

Culdocentesis. Eisinger SH. **J Fam Pract** 1981 Jul; 13(1):95–101

Transorbital ventricular puncture for emergency ventricular decompression. Technical note. Madrazo Navarro I, et al. **J Neurosurg** 1981 Feb;54(2):273–4

Comparison of multiple puncture liquid tuberculin test with Mantoux test. Lunn JA, et al. **Lancet** 1981 Mar 28; 1(8222):695–8

The Singer–Blom speech rehabilitation procedure. Wetmore SJ, et al. **Laryngoscope** 1981 Jul;91(7):1109–17

Serial thoracenteses in parapneumonic effusions [letter] Niederman MS, et al. **N Engl J Med** 1981 Apr 2; 304(14):847–8

Single-puncture method for percutaneous transhepatic portography using a thin needle. Kimura K, et al. **Radiology** 1981 Jun;139(3):748–9

Ultrasonically guided punctures. A modified technique. Lindgren PG. **Radiology** 1980 Oct;137(1 Pt 1):235–7

Small chest tube for malignant pleural effusions. Tiber C. **South Med J** 1980 Sep;73(9):1291–2

Subclavian venipuncture for vascular access. Voegele LD. **South Med J** 1980 Sep;73(9):1288–9

[Suprapubic bladder puncture for detecting postoperative urinary canal infections following gynecologic operations] Dziambor H, et al. **Akush Ginekol (Sofiia)** 1980; 19(5–6):507–9 **(Bul)**

[Use of the trans-vaginal puncture of the urinary bladder in the diagnosis of urinary tract infections in pregnancy] Dušek H, et al. **Cesk Gynekol** 1980 Sep;45(8):581–3 **(Cze)**

[Obliteration of esophageal varices by percutaneous puncture of the left portal branch under 'real time' ultrasonography (author's transl)] Kunstlinger F, et al. **J Radiol** 1980 Oct; 61(10):581–3 (Eng. Abstr.) **(Fre)**

[The diagnosis of haemoperitoneum by 'minimal' abdominal tap (author's transl)] Perdomo R. **Nouv Presse Med** 1979 Jan 6;8(1):39–40 (Eng. Abstr.) **(Fre)**

[Transparietohepatic puncture of the portal system using echographic location] Serres JJ, et al. **Nouv Presse Med** 1980 Sep 27;9(35):2569–71 **(Fre)**

[Prepartal ascites puncture under ultrasonic control] Stoffel R, et al. **Gynaekol Rundsch** 1980 Jun;20 Suppl 1:90–1 **(Ger)**

[Percutaneous punctures guided by echography] Rendano F, et al. **Minerva Med** 1981 Apr 2;72(13):807–12 (Eng. Abstr.) **(Ita)**

[Percutaneous insertion of permanent endocardial electrode through the subclavian vein puncture (author's transl)] Ikeda K, et al. **Kyobu Geka** 1981;34(1):33–5 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of percutaneous puncture of pancreatic cysts guided by ultrasound (author's transl)] Yamanaka T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1980 Aug; 77(8):1298 **(Jpn)**

[Diagnostic peritoneal puncture in acute abdominal injuries in children] Karcz J. **Pol Przegl Chir** 1980 May; 52(5):437–40 (Eng. Abstr.) **(Pol)**

[Puncture gastrostomy] Prudkov ID, et al. **Khirurgiia (Mosk)** 1980 Sep;(9):95–7 **(Rus)**

[Puncture and drug treatment of amebic liver abscess] Gadzhikuliev AS. **Med Parazitol (Mosk)** 1980 Nov–Dec; 49(6):40–2 (Eng. Abstr.) **(Rus)**

[Drainage of the upper urinary tracts by puncture nephrostomy and suspended catheterization] Morozov AV, et al. **Urol Nefrol (Mosk)** 1981 Jan–Feb;(1):56–8 **(Rus)**

[Early osteoperforation in treating acute hematogenic osteomyelitis in children] Kushch NL, et al. **Vestn Khir** 1981 Mar;126(3):104–7 **(Rus)**

MORTALITY

[Sternal puncture with a fatal outcome] Gerdin B. **Lakartidningen** 1980 Sep 24;77(39):3384–6 (Eng. Abstr.) **(Swe)**

VETERINARY

[Sternal marrow puncture in the dog--topography and technic] Vollmerhaus B, et al. **Berl Munch Tierarztl Wochenschr** 1981 Jul 15;94(14):273–8 (Eng. Abstr.) **(Ger)**

PUNISHMENT

Punishment-induced suppression and the occurrence of behavioral contrast in rats with septal lesions. Caplan M, et al. **Behav Neural Biol** 1980 Nov;30(3):278–91

Psychological and psychiatric aspects of determinate criminal sentencing. Monahan J, et al. **Int J Law Psychiatry** 1980; 3(2):143–54

Ratio scales of the reward values and punisher aversions of depressed undergraduates. Layne C, et al. **J Clin Psychol** 1980 Jul;36(3):640–6

Schedule dependent change of punished responding after diazepam in rats. Kuribara H, et al. **Jpn J Pharmacol** 1980 Apr;30(2):264–8

The pediatrician and parental discipline. Christopheresen ER. **Pediatrics** 1980 Oct;66(4):641–2

Hitting then hugging children [letter] Hoffman JE. **Pediatrics** 1981 Jun;67(6):938–9

The pediatrician and corporal punishment. Wessel MA. **Pediatrics** 1980 Oct;66(4):639–41

Punishment initially facilitates and then suppresses irritable aggression. Hynan MT. **Psychol Rep** 1981 Feb;48(1):183–9

The effects of chlordiazepoxide HCl administration upon punishment and conditioned suppression in the rat. Rawlins JN, et al. **Psychopharmacology (Berlin)** 1980;70(3):317–22

Attenuation of the effects of punishment by ethanol: comparisons with chlordiazepoxide. Vogel RA, et al. **Psychopharmacology (Berlin)** 1980;71(2):123–9

PUPIL

see related

REFLEX, PUPILLARY

Management of Adie syndrome. Press LJ. **Am J Optom Physiol Opt** 1981 Mar;58(3):235–8

A pupil gauge [letter] Pascoe DA. **Anaesthesia** 1980 Oct; 35(10):1021

Asymmetrical pupillary slowing and degree of severity in myasthenia gravis. Bryant RC. **Ann Neurol** 1980 Mar; 7(3):288–9

Oval pupils in syphilis [letter] Finelli PF. **Arch Neurol** 1981 Feb;38(2):136

Aberrant regeneration of the inferior division of the oculomotor nerve. Spector RH, et al. **Arch Neurol** 1981 Jul;38(7):460–1

Membrane peeler cutter. Automated vitreous scissors and hooked needle. Machemer R, et al. **Arch Ophthalmol** 1981 Jan;99(1):152–3

The analysis of anisocoria. The use of photography in the clinical evaluation of unequal pupils. Czarnecki JS, et al. **Can J Ophthalmol** 1979 Oct;14(4):297–302

Clinical use of visual acuity measured with pupil responses. Slooter J. **Doc Ophthalmol** 1981 Mar 20;50(2):389–99

Pupillary neuro-ophthalmic analysis in patients with intraocular lenses. Clayman HM. **J Am Intraocul Implant Soc** 1981 Jan;7(1):24–7

Laser photomydriasis in pseudophakic pupillary block. Obstbaum SA, et al. **J Am Intraocul Implant Soc** 1981 Jan; 7(1):28–30

[Intrinsic paralysis after laser application] Debrousse JY, et al. **Bull Soc Ophtalmol Fr** 1980 Aug–Sep;80(8–9):757–8 **(Fre)**

[Direction-changing spontaneous nystagmus with simultaneous change in pupil diameter and eyelid interspace. Oculopupillomotor syndrome in blindness due to dysgenesis mesodermalis iridis et corneae Rieger] Piper HF, et al. **Ophthalmologica** 1981;182(3):175–89 (Eng. Abstr.) **(Ger)**

[Pupillary disorders. A chart for their differential diagnosis] Frisén L. **Lakartidningen** 1981 Feb 11;78(7):575–8 (Eng. Abstr.) **(Swe)**

ABNORMALITIES

Pupillary membrane in animals. Arnbjerg J. **Nord Vet Med** 1980 Dec;32(12):559–61

DRUG EFFECTS

Pupillary dilation with single eyedrop mydriatic combinations [letter] Brenner RL. **Am J Ophthalmol** 1980 Aug;90(2):271–2

Miosis from echothiophate in patients with total oculomotor nerve paralysis from intracranial abnormalities. Mindel JS. **Am J Ophthalmol** 1981 Mar;91(3):373–80

Dose-response effects of tropicamide HCl. Pollack SL, et al. **Am J Optom Physiol Opt** 1981 May;58(5):361–6

Dilation of the pupil in human subjects after intravenous thiopental. Larson MD. **Anesthesiology** 1981 Mar; 54(3):246–9

Serotonin nerve endings and regulation of pupillary diameter. Moro F, et al. **Ann Ophthalmol** 1981 Apr;13(4):487–90

Is phenylephrine pivalate a prodrug? Mindel JS, et al. **Arch Ophthalmol** 1980 Dec;98(12):2220–3

Regulation of intraocular pressure and pupil size by beta-blockers and epinephrine. Ohrström A, et al. **Arch Ophthalmol** 1980 Dec;98(12):2182–4

Effect of thymoxamine and pilocarpine on the depth of the anterior chamber. Saheb NE, et al. **Can J Ophthalmol** 1980 Oct;15(4):170–1

Guanethidine – adrenaline eye drops in glaucoma simplex. Pupil behaviour and response of intraocular pressure. Hoyng PF, et al. **Doc Ophthalmol** 1981 Mar 31; 51(1–2):175–81

Interaction of desipramine and amitriptyline with adrenergic mechanisms in the human iris in vivo. Szabadi E, et al. **Eur J Clin Pharmacol** 1981;19(6):403–8

In vitro contraction of the pupillary sphincter by substance P and its stable analogs. Cohen S, et al. **Invest Ophthalmol Vis Sci** 1981 Jun;20(6):717–21

Intraocular effects of substance P in the rabbit. Stjernschantz J, et al. **Invest Ophthalmol Vis Sci** 1981 Jan;20(1):53–60

Maintaining pupillary dilatation during lens implant surgery. Freeman JM, et al. **J Am Intraocul Implant Soc** 1981 Apr; 7(2):172–3

Tolerance to the Mydriatic effects of morphine in mice. Adler C, et al. **J Neural Transm** 1980;48(1):43–7

Infrared video pupillometry: a method used to measure the pupillary effects of drugs in small laboratory animals in real time. Murray RB, et al. **J Neurosci Methods** 1981 Apr; 3(4):365–75

Effects of alcohol on autonomic reactivity in alcoholics. Pupillometric studies. III. Rubin LS, et al. **J Stud Alcohol** 1980 Jul;41(7):611–22

Explained unexplained anisocoria. Delaney WV Jr. **JAMA** 1980 Sep 26;244(13):1475

Shrinking pupils as a warning of respiratory depression after spinal morphine [letter] Bahar M, et al. **Lancet** 1981 Apr 18;1(8225):893

Tolerance to morphine-induced mydriasis in the rat pupil. Adler CH, et al. **Life Sci** 1981 Jun 1;28(22):2469–75

Methyldopa produces central inhibition of parasympathetic activity in the cat. Koss MC. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Nov; 314(2):135–9

Pupillary effects of leucine and methionine enkephalin in rats after intraperitoneal administration. Tortella FC, et al. **Peptides (Fayetteville)** 1980 Fall;1(3):237–41

The fixed, dilated pupil: a new cause. Laibovitz RA. **Tex Med** 1980 Dec;76(12):59

[Use of the degree of mydriasis as a model in clinical pharmacology. Application to an alpha-blocker] Haut J, et al. **Bull Soc Ophtalmol Fr** 1981 Jan;81(1):113–6 **(Fre)**

[Limits of pharmacodynamic differentiation of pupillary-disturbances (author's transl)] Gruber H. **Klin Monatsbl Augenheilkd** 1981 Mar;178(3):208–9 (Eng. Abstr.) **(Ger)**

[Comparative mydriatic effect of different groups of antidepressants] Polezhaeva AI, et al. **Farmakol Toksikol** 1981 Jan–Feb;44(1):15–7 (Eng. Abstr.) **(Rus)**

[Adrenaline and cocaine in diagnosing sympathetic innervation disorders of the pupils in children with accommodation spasms] Vatchenko AA, et al. **Vestn Oftalmol** 1981 Jan–Feb;(1):41–5 **(Rus)**

PATHOLOGY

Oval pupils. Fisher CM. **Arch Neurol** 1980 Aug;37(8):502–3

PHYSIOLOGY

Differentiation of alpha-adrenergic responsiveness in the neonatal rat iris after decentralization or extirpation of the superior cervical ganglion. Davies DC, et al. **Brain Res** 1981 May 25;213(1):119–26

Paradoxical pupil in congenital achromatopsia. Flynn JT, et al. **Int Ophthalmol** 1981 Mar;3(2):91–6

Correlations between acetylcholinesterase activity in guinea-pig iris and pupillary function: a biochemical and pupillographic study. Søli NE, et al. **J Neurochem** 1980 Sep;35(3):723–8

Pupil size and the pattern evoked visual response. Hawkes CH, et al. **J Neurol Neurosurg Psychiatry** 1981 Jan; 44(1):90–1

Diabetic oculomotor paresis with pupil fixed to light. Gilmore PC, et al. **Neurology (NY)** 1980 Nov; 30(11):1229–30

Edward J. Curran and the concept of relative pupillary block. Feibel RM. **Surv Ophthalmol** 1981 Jan–Feb;25(4):270–8

A technique for estimating the contribution of photomechanical responses to visual adaptation. Srinivasan MV, et al. **Vision Res** 1980;20(6):511–21

[Pupillometric studies of the fundamental psychophysical law] Thoss F. **Acta Biol Med Ger** 1980;39(5):629–36 (Eng. Abstr.) **(Ger)**

[Role of the relative pupillary block in the pathogenesis of primary closed-angle glaucoma] Shilkin GA. **Vestn Oftalmol** 1981 Mar–Apr;(2):8–12 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Acute, reversible autonomic nervous system abnormalities in juvenile insulin-dependent diabetes. A pupillographic study. Hreidarsson AB. **Diabetologia** 1981 Apr;20(4):475–81

[Blocking mechanisms of the pupil and posterior surface of the iris] Doden W, et al. **Klin Monatsbl Augenheilkd** 1980

Jan;176(1):27-31 (Eng. Abstr.) (Ger)

PUPPETS see PLAY AND PLAYTHINGS

PURCHASING, HOSPITAL

see related
EQUIPMENT AND SUPPLIES, HOSPITAL

Use purchasing clout to get information from manufacturers. Schultz JK. **AORN J** 1980 Sep;32(3):458, 460

OR nurses can meet challenges to their purchasing power. Sullivan RB. **AORN J** 1981 Aug;34(2):301-5

ECONOMICS

A contemporary look at hospital purchasing. Schabracq A. **Dimens Health Serv** 1980 Oct;57(10):20, 22-3

Deregulation could affect how hospitals purchase phone systems. Grimes D. **Hospitals** 1981 May 16;55(10):99-100, 102, 104 passim

Legal review of contracts can save hospitals time and money. Kaufman RW, et al. **Hospitals** 1980 Dec 16;54(24):75-6, 80

LEGISLATION & JURISPRUDENCE

Testing of medical electrical and hospital laboratory equipment: DHSS recognition of the BSI Test House, Hemel Hempstead. Rogers RT. **J Med Eng Technol** 1980 Sep;4(5):225-7

ORGANIZATION & ADMINISTRATION

Hospital carefully plans purchase of telephone system. Murphy MD. **Hospitals** 1981 May 16;55(10):111-4

The management perspective of medical instrumentation. Buchmueller DP. **Med Instrum** 1980 Jul-Aug;14(4):201-5

PURGATIVES see CATHARTICS

PURINE NUCLEOSIDE PHOSPHORYLASES see under PENTOSYLTRANSFERASES

PURINE NUCLEOSIDES

NMR studies in the syn-anti dynamic equilibrium in purine nucleosides and nucleotides. Stolarski R, et al. **Eur J Biochem** 1980;108(1):111-21

Gold complexes of purine and pyrimidine nucleosides. Hadjiliadis N, et al. **J Inorg Biochem** 1981 Apr;14(2):115-26

Structures of neplanocins, new antitumor antibiotics. Hayashi M, et al. **Nucleic Acids Symp Ser** 1980;(8):s65-7

ADMINISTRATION & DOSAGE

Therapy of mouse leukemia L1210 with combinations of nebularine and nitrobenzylthioinosine 5'-monophosphate. Lynch TP, et al. **Cancer Res** 1981 Feb;41(2):560-5

ANALYSIS

Application of simultaneous UV-radioactivity high-performance liquid chromatography to the study of intermediary metabolism. I. Purine nucleotides, nucleosides and bases. Webster HK, et al. **J Chromatogr** 1981 May 15;209(2):283-92

BIOSYNTHESIS

Theophylline inhibition of renal and cerebral nucleoside formation. Jensen MH. **Br J Pharmacol** 1981 Jun; 73(2):467-9

BLOOD

Hypoxanthine production by ischemic heart demonstrated by high pressure liquid chromatography of blood purine nucleosides and oxypurines. Harmsen E, et al. **Clin Chim Acta** 1981;115(1):73-84

CHEMICAL SYNTHESIS

Purine nucleoside synthesis, an efficient method employing nucleoside phosphorylases. Krenitsky TA, et al. **Biochemistry** 1981 Jun 9;20(12):3615-21

Synthesis of purine nucleoside nitrosoureas and their antitumor activities. Sato A, et al. **Chem Pharm Bull (Tokyo)** 1979 Mar;27(3):765-70

Carbocyclic analogs of arabinosylpurine nucleosides. Lee H, et al. **J Pharm Sci** 1980 Sep;69(9):1019-21

Synthetic nucleosides and nucleotides. XIV. Facile synthesis and antitumor activities of 6-mercaptopurine 2'-deoxyriboside and related compounds. Saneyoshi M, et al. **J Pharmacobiodyn** 1980 Feb;3(2):105-10

Synthesis, biologic effects, and biochemical properties of some 2'-azido- and 2'-amino-2'-deoxyarabinofuranosyl pyrimidines and purines. Bobek M, et al. **Recent Results Cancer Res** 1980;74:78-83

GENETICS

[Phenotypic manifestation of the pnd mutation, which promotes purine nucleoside cleavage by Escherichia coli K-12 cells, in the genome of strains defective in the metabolism of nucleic acid precursors] Kocharian ShM, et al. **Genetika (Moskva)** 1981;17(2):246-57 (Eng. Abstr.) (Rus)

METABOLISM

Effect of threonylcarbamoyl modification (t6A) in yeast tRNA Arg III on codon-anticodon and anticodon-anticodon interactions. A thermodynamic and kinetic evaluation. Weissenbach J, et al. **Eur J Biochem** 1981 May;116(1):207-13

PHARMACODYNAMICS

Effect of deoxypurine and deoxypyrimidine compounds on the vascular responsiveness of bovine coronary and lingual arteries. Scholar EM. **J Pharm Pharmacol** 1980 Oct; 32(10):726

RADIATION EFFECTS

Photodynamic breakdown of purine bases & nucleosides sensitized by methylene blue. Nirmala J, et al. **Indian J Biochem Biophys** 1980 Dec;17(6):488-9

SECRETION

Comparison of pyrimidine and purine nucleoside secretion and nucleoside kinase expression in resident and elicited peritoneal macrophages. Stadecker MJ. **J Immunol** 1981 May;126(5):1724-7

PURINE NUCLEOTIDES

NMR studies in the syn-anti dynamic equilibrium in purine nucleosides and nucleotides. Stolarski R, et al. **Eur J Biochem** 1980;108(1):111-21

Reaction of bovine pancreatic ribonuclease A with 6-chloropurine riboside 5'-monophosphate. Nuclear magnetic resonance studies of the corresponding S-peptide. Parés X, et al. **Int J Pept Protein Res** 1980 Oct;16(4):241-4

Complex formation of carnosine with purine nucleotides in aqueous solution. Neurohr KJ, et al. **Z Naturforsch [C]** 1980 Jul-Aug;35(7-8):557-61

ANALYSIS

Analysis of purine ribonucleotides and deoxyribonucleotides in cell extracts by high-performance liquid chromatography. Cohen MB, et al. **J Chromatogr** 1980 Oct 24;198(4):435-41

Application of simultaneous UV-radioactivity high-performance liquid chromatography to the study of intermediary metabolism. I. Purine nucleotides, nucleosides and bases. Webster HK, et al. **J Chromatogr** 1981 May 15;209(2):283-92

ANTAGONISTS & INHIBITORS

The effect of theophylline and other methylxanthines on presynaptic inhibition of the longitudinal smooth muscle of the guinea pig ileum induced by purine nucleotides. Okwuasaba FK, et al. **J Pharmacol Exp Ther** 1980 Dec; 215(3):704-9

BIOSYNTHESIS

Purine metabolism in Duchenne muscular dystrophy. de Bruyn CH, et al. **Adv Exp Med Biol** 1980;122A:177-82

Purine nucleotide synthesis in Entamoeba histolytica: a preliminary study. Boonlayangoor P, et al. **Arch Invest Med (Mex)** 1980;11(1 Suppl):83-8

Glycogenolysis-induced acceleration of 'de novo' purine synthesis in mouse liver. Brosh S, et al. **Biomedicine** 1981 May;35(2):50-1

Enhanced purine nucleotide synthesis in erythrocytes of uremic patients. Becher HJ, et al. **Klin Wochenschr** 1980 Nov 17;58(22):1243-50

Involvement of tetrahydrofolate cofactors in de novo purine ribonucleotide synthesis by adult Brugia pahangi and Dirofilaria immitis. Jaffe JJ, et al. **Mol Biochem Parasitol** 1981 Apr;2(5-6):259-70

Pathways of purine ribonucleotide biosynthesis in the adult worm Metastrongylus apri (Nematoda: Metastrongyloidea) from pig lung. Wong PC, et al. **Mol Biochem Parasitol** 1981 Apr;2(5-6):285-93

CHEMICAL SYNTHESIS

Preparation of a fluorescent GTP analogue: tetrazolo-oxo-purine nucleoside triphosphate. Jerome J, et al. **J Biochem Biophys Methods** 1980 Sep;3(3):187-90

METABOLISM

Recovery of nucleotide levels after cell injury. Warnick CT, et al. **Can J Biochem** 1981 Feb;59(2):116-21

Characterization of purine nucleotide metabolism in cultured fibroblasts with deficiency of hypoxanthine-guanine phosphoribosyltransferase and with superactivity of phosphoribosylpyrophosphate synthetase. Zoref-Shani E, et al. **Enzyme** 1980;25(6):413-8

The purine-nucleotide cycle. Comparison of the levels of citric acid cycle intermediates with the operation of the purine nucleotide cycle in rat skeletal muscle during exercise and recovery from exercise. Aragón JJ, et al. **Eur J Biochem** 1980 Sep;110(2):371-7

A novel synergistic effect of alanosine and guanine on adenine nucleotide synthesis in mammalian cells. Alanosine as a useful probe for investigating purine nucleotide metabolism. Gupta RS. **J Cell Physiol** 1980 Aug; 104(2):241-8

Basis for the control of purine biosynthesis by purine ribonucleotides. Itakura M, et al. **J Clin Invest** 1981 Apr; 67(4):994-1002

Disruption of the purine nucleotide cycle. A potential explanation for muscle dysfunction in myoadenylate deaminase deficiency. Sabina RL, et al. **J Clin Invest** 1980 Dec;66(6):1419-23

Metabolite profiling of human muscle extracts by isotachophoresis. Oerlemans F, et al. **J Inherited Metab Dis** 1981;4(2):109-10

The metabolism of purine and pyrimidine nucleotides in rat cortex during insulin-induced hypoglycemia and recovery. Chapman AG, et al. **J Neurochem** 1981 Jan;36(1):179-89

Metabolic basis for disorders of purine nucleotide degradation. Fox IH. **Metabolism** 1981 Jun;30(6):616-34

PHARMACODYNAMICS

Active-site modification of native and mutant forms of inosine 5'-monophosphate dehydrogenase from Escherichia coli K12. Gilbert HJ, et al. **Biochem J** 1980 Nov 1;191(2):533-41

Properties of a chicken liver amidophosphoribosyltransferase preparation sensitive to inhibition by nucleotides. Gorai I, et al. **Int J Biochem** 1981;13(1):91-7

Binding of [3H]amino-6,7-dihydroxy-1,2,3,4-tetrahydronaphthalene to rat striatal membranes. Effects of purine nucleotides and ultraviolet irradiation. Zahniser NR, et al. **Mol Pharmacol** 1981 May;19(3):372-8

[Inhibition of the 3' to 5' exonuclease activity of the DNA polymerase I of Escherichia coli by deoxyribonucleotides] Granger M, et al. **C R Acad Sci [D] (Paris)** 1980 Sep 15; 291(2):203-6 (Eng. Abstr.) (Fre)

PURINE-PYRIMIDINE METABOLISM, INBORN ERRORS

BLOOD

Erythrocyte disorders of purine and pyrimidine metabolism. Valentine WN, et al. **Hemoglobin** 1980;4(5-6):669-81 (55 ref.)

Two successive pregnancies in a woman with xanthinuria: unexpected increase in serum uric acid levels. Uzan S, et al. **J Perinat Med** 1980;8(6):284-7

COMPLICATIONS

Failure of dissolution of xanthine urolithiasis by local lavage. Frayha RA, et al. **Br J Urol** 1980 Aug;52(4):322

DIAGNOSIS

An automated method for the determination of orotic acid in the urine of children being screened for metabolic disorders. Paradis D, et al. **Clin Biochem** 1980 Aug; 13(4):160-3

ENZYMOLOGY

Complete adenine phosphoribosyltransferase (APRT) deficiency in two siblings: report of a new case. Cartier P, et al. **Adv Exp Med Biol** 1980;122A:343-8

Kinetics of a HGPRT mutant showing substrate inhibition. Harley EH, et al. **Adv Exp Med Biol** 1980;122A:333-6

Spectrum of 2,8-dihydroxyadenine urolithiasis in complete APRT deficiency. Simmonds HA, et al. **Adv Exp Med Biol** 1980;122A:337-41

Proposed explanation for S-adenosylhomocysteine hydrolase deficiency in purine nucleoside phosphorylase and hypoxanthine-guanine phosphoribosyltransferase-deficient patients. Hershfield MS. **J Clin Invest** 1981 Mar; 67(3):696-701

[Xanthinuria and atypical cholinesterase activity] Haeckel R, et al. **Med Welt** 1981 Mar 13;32(11):360-2 (Ger)

FAMILIAL & GENETIC

Purine nucleoside phosphorylase deficiency; genetic studies in a Dutch family. Staal GE, et al. **Adv Exp Med Biol** 1980;122A:367-73

Inheritance of adenine phosphoribosyltransferase (APRT) deficiency. Van Acker KJ, et al. **Adv Exp Med Biol** 1980; 122A:349-53

IMMUNOLOGY

Immunological evaluation of a family deficient in adenine phosphoribosyl transferase (APRT). Stevens WJ, et al. **Adv Exp Med Biol** 1980;122A:355-9

METABOLISM

Inborn errors of purine catabolism. Van den Berghe G, et al. **Acta Paediatr Belg** 1981 Jan-Mar;34(1):3-12

The effect of weight reduction on plasma and urinary levels of oxypurines in an obese xanthinuric patient. Auscher C, et al. **Adv Exp Med Biol** 1980;122A:241-6

Superactive phosphoribosylpyrophosphate synthetase with altered regulatory and catalytic properties. Becker MA, et al. **Adv Exp Med Biol** 1980;122A:387-92

Complete adenosine deaminase (ADA) deficiency without immunodeficiency, and primary hyperoxaluria, in a 12-year-old boy. Perignon JL, et al.

Adv Exp Med Biol 1980;122A:403–8

Pyrimidine and purine metabolites in ornithine carbamoyl transferase deficiency. Webster DR, et al. **J Inherited Metab Dis** 1981;4(1):27–31

Metabolic basis for disorders of purine nucleotide degradation. Fox IH. **Metabolism** 1981 Jun;30(6):616–34

[Hereditary anomalies of purine metabolism. Current biochemical aspects] Perignon JL, et al. **Arch Fr Pediatr** 1980 Oct;37(8):487–90 **(Fre)**

OCCURRENCE

Xanthinuria: a new case [letter] Kennedy JH, et al. **Clin Chem** 1980 Nov;26(12):1758–9

THERAPY

Purine and pyrimidine metabolism in hereditary orotic aciduria: some unexpected effects of allopurinol. Simmonds HA, et al. **Eur J Clin Invest** 1980 Aug;10(4):333–9

PURINES

A modified Lowry procedure suitable for assay of proteinase activity especially in crude enzyme preparations containing purine bases. Higuchi M, et al. **Anal Biochem** 1980 Jun; 105(1):90–6

Affinities of nucleic acid bases for solvent water. Cullis PM, et al. **Biochemistry** 1981 May 26;20(11):3024–8

Degradation of nucleic acids with ozone. I. Degradation of nucleobases, ribonucleosides and ribonucleoside-5'-monophosphates. Ishizaki K, et al. **Chem Pharm Bull (Tokyo)** 1981 Mar;29(3):868–72

IR study of base stacking interactions. Maevsky AA, et al. **Nucleic Acids Res** 1980 Jul 11;8(13):3029–42

[Charge transfer complexes of nucleic acid purine bases with benzoquinone. Evidence that nucleic acid components are pi-donors] Malevskii AA, et al. **Mol Biol (Mosk)** 1981 Mar-Apr;15(2):447–53 (Eng. Abstr.) **(Rus)**

ANALYSIS

Hypoxic effects on purine metabolism studied with high pressure liquid chromatography. Harkness RA, et al. **Adv Exp Med Biol** 1980;122A:233–6

Analysis of purine and pyrimidine bases, ribonucleosides, and ribonucleotides by high-pressure liquid chromatography. Nissinen E. **Anal Biochem** 1980 Aug;106(2):497–505

Reaction of nucleic acid bases with the mercury electrode: determination of purine derivatives at submicromolar concentrations by means of cathodic stripping voltammetry. Paleček E. **Anal Biochem** 1980 Oct; 108(1):129–38

Methylated purines in human liver DNA after probable dimethylnitrosamine poisoning. Herron DC, et al. **Cancer Res** 1980 Sep;40(9):3116–7

Separation of 5-alkyluracils and purine bases in hydrolysates of enzymatically synthesized nucleic acids by high-performance ion-pair liquid chromatography. Csárnyi AH, et al. **J Chromatogr** 1981 Jan 16;204:213–8

Application of simultaneous UV-radioactivity high-performance liquid chromatography to the study of intermediary metabolism. I. Purine nucleotides, nucleosides and bases. Webster HK, et al. **J Chromatogr** 1981 May 15;209(2):283–92

A method for the rapid quantitation of methylated hepatic DNA-purines using high pressure liquid chromatography. Faustman EM, et al. **J Pharmacol Methods** 1980 Dec; 4(4):305–12

Human lymphoblasts contain DNA glycosylase activity excising N-3 and N-7 methyl and ethyl purines but not O6-alkylguanines or 1-alkyladenines. Singer B, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):856–60

[Analysis of ex tempore drug forms containing purine derivatives] Saushkina AS, et al. **Farmatsiia** 1980 May-Jun; 29(3):63–4 **(Rus)**

BIOSYNTHESIS

Regulation of the basal and cyclic AMP-stimulated rates of glycogen synthesis in Escherichia coli by an intermediate of purine biosynthesis. Leckie MP, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1433–42

Characterization of the enzyme complex involving the folate-requiring enzymes of de novo purine biosynthesis. Smith GK, et al. **Biochemistry** 1980 Sep 2;19(18):4313–21

Purine synthesis de novo and its regulation in rat hepatocytes. Des Rosiers C, et al. **Can J Biochem** 1980 Aug; 58(8):599–606

A mutant of CHO-K1 cells deficient in two nonsequential steps of de novo purine biosynthesis. Oates DC, et al. **Cell** 1980 Jul;20(3):797–805

Effects of metabolic inhibitors on cell lethality and mutation induction in Chinese hamster cells. I. Inhibitors of de novo purine synthesis and a comparison with the effects of caffeine. McMillan S, et al. **Chem Biol Interact** 1981 Jul; 36(1):71–88

The potentiation of adenine toxicity to Chinese hamster cells by coformycin: suppression in mutants with altered regulation of purine biosynthesis or increased adenylate-deaminase activity. Debatisse M, et al. **J Cell Physiol** 1981 Jan;106(1):1–11

Basis for the control of purine biosynthesis by purine ribonucleotides. Itakura M, et al. **J Clin Invest** 1981 Apr; 67(4):994–1002

[Morphology of the thymus in exposure to purine-synthesis antimetabolites] Fedotov AF, et al. **Vrach Delo** 1981 May; (5):92–5 (Eng. Abstr.) **(Rus)**

BLOOD

Salvage pathway in erythrocytes of patients with psoriasis. Partsch G, et al. **Adv Exp Med Biol** 1980;122A:167–71

Preservation of red blood cells with purines and nucleosides. II. Uptake and utilization of purines and nucleosides by stored red blood cells. Strauss D, et al. **Folia Haematol (Leipz)** 1980;107(3):417–33

Purine metabolism in human lymphocyte subpopulations. I. Differences in the effect of 2'-deoxyguanosine and guanosine on human normal E- and EAC-rosette forming cells. Sakura N, et al. **Hiroshima J Med Sci** 1980 Dec; 29(4):195–201

Determination of selected pyrimidines, purines and their metabolites in serum and urine by reversed-phase ion-pair chromatography. Voelter W, et al. **J Chromatogr** 1980 Oct 31;199:345–54

CHEMICAL SYNTHESIS

Synthesis and pharmacological activity of some 9-aryl-8-azapurine derivatives. Da Settimo A, et al. **Farmaco [Sci]** 1980 Apr;35(4):298–307

Synthesis of stacked purine bases. Hama F, et al. **Nucleic Acids Symp Ser** 1980;(8):s131–4

METABOLISM

Purine metabolism in man--III. Clinical and therapeutic aspects. **Adv Exp Med Biol** 1980;122A:1–444

The effect of weight reduction on plasma and urinary levels of oxypurines in an obese xanthinuric patient. Auscher C, et al. **Adv Exp Med Biol** 1980;122A:241–6

Variation in human HPRT and its relationship to neurologic and behavioral manifestations. Bakay B, et al. **Adv Exp Med Biol** 1980;122A:317–25

Abnormal regulation of purine metabolism in a cultured mouse T-cell lymphoma mutant partially deficient in adenylosuccinate synthetase. Ullman B, et al. **Adv Exp Med Biol** 1980;122A:375–86

Aspect of purine metabolic aberration associated with uric acid overproduction and gout. Yip LC, et al. **Adv Exp Med Biol** 1980;122A:307–12

Purine-amino acid hydrogen bonding interactions and suggestions for modeling the lac operator-repressor system. Garduno R, et al. **Ann NY Acad Sci** 1981;367:281–94

The design of cancer chemotherapy: metabolic modulation and cellular de novo versus salvage metabolism. Rustum YM, et al. **Antibiot Chemother** 1980;28:86–93 (0 ref.)

Anaerobic degradation of pteridines and purines by intestinal organisms. Fukushima T, et al. **Appl Environ Microbiol** 1980 Aug;40(2):244–8

Altered purine and pyrimidine metabolism in erythrocytes with purine nucleoside phosphorylase deficiency. Fox IH, et al. **Biochem Genet** 1980 Apr;18(3-4):221–34

Purine catabolism in isolated rat hepatocytes. Influence of coformycin. Van den Berghe G, et al. **Biochem J** 1980 Jun 15;188(3):913–20

Phosphoribosylpyrophosphate and enzymes of purine metabolism in erythrocytes from young hyperuricemic males. van Maris AG, et al. **Biochem Med** 1980 Jun; 23(3):263–71

Modification of in vivo methotrexate antitumor effect in L1210 leukemia by induced impairment of purine salvage. Browman GP, et al. **Biochem Pharmacol** 1981 Apr 15; 30(8):869–74

Activities of purine-metabolizing enzymes in human colon carcinoma cell lines and xenograft tumors. Crabtree GW, et al. **Biochem Pharmacol** 1981 Apr 1;30(7):793–8

Effects of misonidazole on purine metabolism in Ehrlich ascites tumor cells in vitro. Henderson JF, et al. **Biochem Pharmacol** 1980 Sep 15;29(18):2533–6

The nature of the uptake systems for nucleic acid bases in Escherichia coli. Page MG, et al. **Biochem Soc Trans** 1980 Dec;8(6):703

Purine metabolism. Watts RW. **Biochem Soc Trans** 1981 Feb; 9(1):3–5

Elucidation of aberrant purine metabolism: application to hypoxanthine-guanine phosphoribosyltransferase- and adenosine kinase-deficient mutants, and IMP dehydrogenase- and adenosine deaminase-inhibited human lymphoblasts. Snyder FF, et al. **Biochim Biophys Acta** 1980 Oct 17;609(3):492–501

Lymphoblast purine pathway enzymes in B-cell acute lymphoblastic leukemia. Reaman GH, et al. **Blood** 1981 Aug;58(2):330–2

Evidence in support of the P1/P2 purinoceptor hypothesis in the guinea-pig taenia coli. Brown CM, et al. **Br J Pharmacol** 1981 Jul;73(3):617–24

Purine receptors in the trachea: is there a receptor for ATP? Christie J, et al. **Br J Pharmacol** 1980 Dec;70(4):512–4

Purine metabolism in Neisseria gonorrhoeae: the requirement for hypoxanthine. Morse SA, et al. **Can J Microbiol** 1980 Jan;26(1):13–20

N,N-dimethylformamide and sodium butyrate modulation of the activities of purine-metabolizing enzymes in cultured human colon carcinoma cells. Dexter DL, et al. **Cancer Res** 1981 Mar;41(3):808–12

Effects of 2'-deoxycoformycin on the metabolism of purines and the survival of malignant cells in a patient with T-cell leukemia. Yu AL, et al. **Cancer Res** 1981 Jul;41(7):2677–82

Haemolytic anaemia associated with disorders of the purine and pyrimidine salvage pathways. Paglia DE, et al. **Clin Haematol** 1981 Feb;10(1):81–98 (59 ref.)

Purine and pyrimidine metabolism in hereditary orotic aciduria: some unexpected effects of allopurinol. Simmonds HA, et al. **Eur J Clin Invest** 1980 Aug;10(4):333–9

The differences in purine metabolism between T and B lymphocytes. Nishida Y, et al. **Exp Hematol** 1980 May; 8(5):593–8

Brugia pahangi: uptake and incorporation of nuclei acid precursors by microfilariae and macrofilariae in vitro. Chen SN, et al. **Exp Parasitol** 1981 Apr;51(2):296–306

Enzymes of purine salvage in Trypanosoma cruzi. Gutteridge WE, et al. **FEBS Lett** 1981 May 18;127(2):211–4

Genetic separation of purine transport from phosphoribosyltransferase activity in Salmonella typhimurium. Benson CE, et al. **J Gen Microbiol** 1980 Dec; 121(Pt. 2):357–64

Pyrimidine and purine metabolites in ornithine carbamoyl transferase deficiency. Webster DR, et al. **J Inherited Metab Dis** 1981;4(1):27–31

Lymphocyte purine metabolism — significance of 5'-nucleotidase deficiency: a review. Webster AD, et al. **J R Soc Med** 1979 Apr;72(4):266–9 (20 ref.)

Selection for purine regulatory mutants in an E. coli hypoxanthine phosphoribosyl transferase-guanine phosphoribosyl transferase double mutant. Levine RA, et al. **MGG** 1981;181(3):313–8

Purine metabolism in Trypanosoma cruzi. Berens RL, et al. **Mol Biochem Parasitol** 1981 Jul;3(3):187–96

Purine metabolizing enzymes of Plasmodium lophurae and its host cell, the duckling (Anas domesticus) erythrocyte. Yamada KA, et al. **Mol Biochem Parasitol** 1981 Apr; 2(5-6):349–58

Neuronal (Na+,K+)-ATPase and the release of purines from mouse and rat cerebral cortex. Hollins C, et al. **Neurosci Lett** 1980 Nov;20(2):217–21

Uptake of purine bases and nucleosides in African trypanosomes. James DM, et al. **Parasitology** 1980 Oct; 81(2):383–93

Prolonged derangements of canine myocardial purine metabolism after a brief coronary artery occlusion not associated with anatomic evidence of necrosis. DeBoer LW, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5471–5

Purine metabolism in uric acid lithiasis. de Vries A. **Scand J Urol Nephrol [Suppl]** 1980;53:161–70

Purine metabolism of erythrocytes preserved in adenine, adenine-inosine, and adenine-guanosine supplemented media. de Verdier CH, et al. **Transfusion** 1981 Jul-Aug; 21(4):397–404

Effect of purines on the formation of the perfect state of Cryptococcus neoformans, Filobasidiella neoformans. Schwartz D, et al. **Zentralbl Bakteriol [A]** 1980 Nov; 248(2):274–80

[Purine metabolism and recurrent nephrolithiasis] Müller MM. **Med Lab (Stuttg)** 1981;34(3):69–76 **(Ger)**

[Insulin response and lipid and purine metabolic disorders in protodiabetes: evaluation of the changes induced with hypoglycemic drug treatment] Baraldi B, et al. **Clin Ter** 1980 Apr 30;93(2):193–202 (Eng. Abstr.) **(Ita)**

[Genetic study of the mutations impairing guanine, xanthine and hypoxanthines assimilation in a purine auxotroph of Escherichia coli K-12] Brikun IA, et al. **Genetika (Moskva)** 1981;17(2):258–67 (Eng. Abstr.) **(Rus)**

[Phenotypic properties of Escherichia coli K-12 purine auxotrophs with disordered synthesis of guanine, xanthine and hypoxanthine phosphoribosyltransferases] Brikun IA, et al. **Genetika (Moskva)** 1981;17(5):932–5 (Eng. Abstr.) **(Rus)**

[Various changes in purine metabolism in psoriasis] Aleksandrova LA, et al. **Vestn Dermatol Venerol** 1981 Mar; (3):27–30 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Cytoplasmic regulation of tight-junction permeability: effect of plant cytokinins. Bentzel CJ, et al. **Am J Physiol** 1980 Sep;239(3):C75–89

Adenosine antagonism by purines, pteridines and benzopteridines in human fibroblasts. Bruns RF. **Biochem Pharmacol** 1981 Feb 15;30(4):325–33

Synergistic and antagonistic interactions of methotrexate and 1-beta-D-arabinofuranosylcytosine in hepatoma cells. The modulating effect of purines. Jackson RC, et al. **Biochem Pharmacol** 1981 Feb 1;30(3):223–9

Increased benzodiazepine receptor number elicited in vitro by a novel purine, EMD 28422. Skolnick P, et al. **Eur J Pharmacol** 1980 Oct 17;67(2-3):179–86

Induction of complement receptor expression cell lines derived from human undifferentiated lymphomas. I. Mode of action of theophylline and inhibition by certain purines. Magrath I, et al. **J Immunol** 1981 Sep;127(3):1034–8

Quantitative structure-activity relationships of purines I: Choice of parameters and prediction of pKa values. Neiman Z, et al. **J Pharm Sci** 1981 Apr;70(4):425–30

Inhibition by purine compounds of cyclic GMP-stimulated cyclic AMP phosphodiesterase activity from a particulate fraction of rat striatum. Oleshansky MA. **Life Sci** 1980 Sep 22;27(12):1089–95

The genotoxic potential of bases and nucleosides. Anderson D, et al. **Mutat Res** 1981 May;91(3):265–72

PHYSIOLOGY

Contribution by purines to the neurogenic response of the vas deferens of the guinea pig. Fedan JS, et al. **Eur J Pharmacol** 1981 Jan 5;69(1):41–53

Effect of dipyridamole on sympathetic nerve function: role of adenosine and presynaptic purinergic receptors. Hom GJ, et al. **J Cardiovasc Pharmacol** 1981 Mar–Apr; 3(2):391–401

RADIATION EFFECTS

Photodynamic breakdown of purine bases & nucleosides sensitized by methylene blue. Nirmala J, et al. **Indian J Biochem Biophys** 1980 Dec;17(6):488–9

SECRETION

Factors affecting the release of purines from mouse cerebral cortex: potassium removal and metabolic inhibitors. Lloyd HG, et al. **Biochem Pharmacol** 1981 Jun 1;30(11):1239–43

Purine release from vascular adrenergic nerves by high potassium and a calcium ionophore, A–23187. Katsuragi T, et al. **J Pharmacol Exp Ther** 1980 Dec;215(3):685–90

URINE

Differential absorption of purine nucleotides, nucleosides and bases. Potter CF, et al. **Adv Exp Med Biol** 1980;122A:203–8

Method for the separation and quantification of methylated hydroxypurines found in urine of man and its application to the study of human metabolism of methylxanthines. Klinge WE. **Biochem Soc Trans** 1981 Feb;9(1):120–1

Postchemotherapy purine excretion in lymphoma patients receiving allopurinol. Hande KR, et al. **Cancer Res** 1981 Jun;41(6):2273–9

A new method for the simultaneous analysis of unmodified and modified urinary nucleosides and nucleobases by high performance liquid chromatography. Schöch G, et al. **Clin Chim Acta** 1980 Dec 8;108(2):247–57

PURINONES

BLOOD

Simultaneous liquid chromatography of 5–fluorouracil, uridine, hypoxanthine, xanthine, uric acid, allopurinol, and oxipurinol in plasma. Wung WE, et al. **Clin Chem** 1980 Nov;26(12):1704–8

Blood oxypurines and erythrocyte 2, 3–diphosphoglycerate levels at high altitude hypoxia. Yoshino M, et al. **Life Sci** 1980 Oct 6;27(14):1265–9

CHEMICAL SYNTHESIS

Substituted 6,7–dihydroimidazo[1,2–a]purin–9(4H)–ones. Temple DL Jr, et al. **J Med Chem** 1980 Nov;23(11):1188–98

PURKINJE CELLS

A stereological analysis of the cerebellar granule and Purkinje cells of 30–day–old and adult rats undernourished during early postnatal life. Bedi KS, et al. **J Comp Neurol** 1980 Oct 15;193(4):863–70

ANALYSIS

Regional differences in the distribution of lipofuscin in Purkinje cell perikarya. A quantitative pigmentarchitectonic study of the cerebellar cortex of senile albino rats. Heinsen H. **Anat Embryol (Berl)** 1981; 161(4):453–64

Determination of DNA surplus in the nuclei of some cerebellar Purkinje cells with different cytochemical methods. Brodsky WJ, et al. **Basic Appl Histochem** 1980; 24(4):401–8

Cytophotometric re–investigation of DNA content in Purkinje cells of the rat cerebellum. Mareš V, et al. **Histochemistry** 1980;69(2):161–7

CYTOLOGY

Role of the Staggerer gene in determining Purkinje cell number in the cerebellar cortex of mouse chimeras. Herrup K, et al. **Brain Res** 1981 Jul;227(4):475–85

A preparation enriched in Purkinje cells identified by morphological and immunocytochemical criteria. Woodhams PL, et al. **Brain Res** 1980 Oct 20;199(2):435–42

An analysis of the morphology and cytology of HRP labeled Purkinje cells. Bishop GA, et al. **Brain Res Bull** 1980 Sep–Oct;5(5):563–74

The Purkinje neuron: I. A Golgi study of its development in the mouse and in culture. Hendelman WJ, et al. **J Comp Neurol** 1980 Oct 15;193(4):1063–79

Temporal and spatial patterns of Purkinje cell formation in the mouse cerebellum. Inouye M, et al. **J Comp Neurol** 1980 Dec 1;194(3):499–503

Partial external germinal layer regeneration in the cerebellum following methylazoxymethanol administration: effects on Purkinje cell dendritic spines. Lovell KL, et al. **J Neuropathol Exp Neurol** 1980 Sep;39(5):541–8

Vulnerability of cerebellar development in malnutrition–II. Intrinsic determination of total synaptic area on purkinje cell spines. Hillman DE, et al. **Neuroscience** 1981; 6(7):1263–75

DRUG EFFECTS

Neuronal deficits in mice following phenobarbital exposure during various periods in fetal development. Bergman A, et al. **Acta Anat (Basel)** 1980;108(3):370–3

Inhibitory actions of taurocyamine, hypotaurine, homotaurine, taurine and GABA on spike discharges of Purkinje cells, and localization of sensitive sites, in guinea pig cerebellar slices. Okamoto K, et al. **Brain Res** 1981 Feb 16;206(2):371–86

The effects of ethanol on cerebellar Purkinje cell discharge pattern and inhibition evoked by local surface stimulation. Sinclair JG, et al. **Brain Res** 1980 Jan 21;204(2):465–71

Combined study of the pattern of spontaneous activity of cerebellar Purkinje cells and phenytoin serum levels in the rat. Latham A, et al. **Epilepsia** 1980 Dec;21(6):597–610

Phencyclidine inhibition of cerebellar Purkinje neurons. Marwaha J, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1980;(34):187–92

Differential electrophysiological and behavioral responses to optically active derivatives of phencyclidine. Marwaha J, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Jan; 315(3):203–9

Ethanol–induced depressions in cerebellar and hippocampal neurons of mice selectively bred for differences in ethanol sensitivity: an electrophysiological study. Sorensen S, et al. **Pharmacol Biochem Behav** 1981 Feb;14(2):227–34

Electrophysiologic interactions of antipsychotic drugs with central noradrenergic pathways. Marwaha J, et al. **Psychopharmacology (Berlin)** 1981;73(2):126–33

Electrophysiological actions of neurotensin in rat cerebellum. Marwaha J, et al. **Regul Pept** 1980 Oct;1(2):115–25

ENZYMOLOGY

Localization of cyclic GMP–dependent protein kinase and substrate in mammalian cerebellum. Schlichter DJ, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5537–41

METABOLISM

On chromatin availability to hydrolysis of the Feulgen reaction in Purkinje neuron population: microdensitometric and microfluorometric data. Bernocchi G, et al. **Basic Appl Histochem** 1980;24(2):121–34

Reduction in benzodiazepine receptors associated with Purkinje cell degeneration in 'nervous' mutant mice. Skolnick P, et al. **Nature** 1979 Feb 1;277(5695):397–9

Characterization of separated cell types from developing rat cerebellum. Transport of [3H]GABA by preparations enriched in Purkinje cells and astrocytes. Cohen J, et al. **Neurochem Res** 1980 Sep;5(9):963–81

Calcium conductances in Purkinje cell dendrites: their role in development and integration. Llinás R, et al. **Prog Brain Res** 1979;51:323–34

[Asymmetric histogram of nucleolar nucleic acid concentration as a potential index of ribosomal DNA amplification in rabbit cerebellar Purkinje cells] Mikeladze ZA, et al. **Biull Eksp Biol Med** 1980 Oct;90(10):485–7 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Purkinje cell dendritic development in experimental phenylketonuria. A quantitative analysis. Robain O, et al. **Acta Neuropathol (Berl)** 1981;53(2):107–12

PHYSIOLOGY

Modulation of harmaline–induced rhythmic discharge of the inferior olive by juxtafastigial stimulation. Weiss M, et al. **Brain Res** 1981 Jun 29;215(1–2):364–8

Heterologous synapses upon Purkinje cells in the cerebellum of the Reeler mutant mouse: an experimental light and electron microscopic study. Wilson L, et al. **Brain Res** 1981 May 25;213(1):63–82

Dendritic growth and the control of neuronal form. Berry M, et al. **Curr Top Dev Biol** 1980;15 Pt 1:67–101

Cell lineage analysis of cerebellar Purkinje cells in mouse chimeras. Oster–Granite ML, et al. **Dev Biol** 1981 Jul 15; 85(1):199–208

Are the climbing fibres essential for the Purkinje cell inhibitory action? Montarolo PG, et al. **Exp Brain Res** 1981; 42(2):215–8

Simple and complex spike activities of Purkinje cells during locomotion in the cerebellar vermal zones of decerebrate cats. Udo M, et al. **Exp Brain Res** 1981;41(3–4):292–300

Visual–vestibular interaction in the flocculus of the alert monkey. II. Purkinje cell activity. Waespe W, et al. **Exp Brain Res** 1981;43(3–4):349–60

Spontaneous unit activity of Purkinje cells in the developing rat cerebellum. Puthuraya KP, et al. **Indian J Med Res** 1980 Nov;72:739–46

Exaggerated norepinephrine–stimulated accumulation of cyclic AMP in vitro in cerebellar slices from pcd mutant mice following Purkinje cell loss. Schmidt MJ, et al. **J Neural Transm** 1980;48(1):49–56

Role of climbing fiber afferent input in determining responsiveness of Purkinje cells to mossy fiber inputs. Ebner TJ, et al. **J Neurophysiol** 1981 May;45(5):962–71

Temporal patterning in simple spike discharge of Purkinje cells and its relationship to climbing fiber activity. Ebner TJ, et al. **J Neurophysiol** 1981 May;45(5):933–47

Correlation between activity of Purkinje cells and its modification by natural peripheral stimuli. Ebner TJ, et al. **J Neurophysiol** 1981 May;45(5):948–61

Electrophysiological properties of in vitro Purkinje cell dendrites in mammalian cerebellar slices. Llinás R, et al. **J Physiol (Lond)** 1980 Aug;305:197–213

Electrophysiological properties of in vitro Purkinje cell somata in mammalian cerebellar slices. Llinás R, et al. **J Physiol (Lond)** 1980 Aug;305:171–95

Senescent pathology of cerebellum: Purkinje neurons and their parallel fiber afferents. Rogers J, et al. **Neurobiol Aging** 1981 Spring;2(1):15–25

Senescent changes in a neurobiological model system: cerebellar Purkinje cell electrophysiology and correlative anatomy. Rogers J, et al. **Neurobiol Aging** 1980 Summer; 1(1):3–11

Harmaline–induced activation of the olivo–cerebellar system in young rabbits: further evidence for a transient multiinnervation of Purkinje cells by climbing fibres. Barragan LA, et al. **Neuropharmacology** 1980 Mar; 19(3):305–10

Modulatory interactions between norepinephrine and taurine, beta–alanine, gamma–aminobutyric acid and muscimol, applied iontophoretically to cerebellar Purkinje cells. Yeh HH, et al. **Neuropharmacology** 1981 Jun;20(6):549–60

Electrical inhibition of Purkinje cells in the cerebellum of the rat. Korn H, et al. **Proc Natl Acad Sci USA** 1980 Oct; 77(10):6244–7

Neck and macular labyrinthine influences on the Purkinje cells of the cerebellar vermis. Denoth F, et al. **Prog Brain Res** 1979;50:515–27

[Intracellular recordings of the multiple innervation of Purkinje cells by climbing fibers in the cerebellum of the developing rat] Mariani J, et al. **C R Acad Sci [D] (Paris)** 1980 Jul 7;291(1):97–100 (Eng. Abstr.) **(Fre)**

[Reaction of cerebellar Purkinje cells to mechanical stimulation of the Achilles tendon] Grigor'ian RA, et al. **Neirofiziologiia** 1981;13(2):159–67 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Morphological alterations of Purkinje cell axons and presynaptic terminals in organotypic cerebellar cultures exposed to ionizing irradiation. Baloyannis SJ, et al. **Acta Neuropathol (Berl)** 1981 Aug;54(4):301–10

Fate of the multiple innervation of cerebellar Purkinje cells by climbing fibers in immature control, x–irradiated and hypothyroid rats. Crepel F, et al. **Brain Res** 1981 Jan; 227(1):59–71

ULTRASTRUCTURE

Changes in nuclear volume of Purkinje cells in the cerebellum of the water frog (Rana Esculenta L.) in the annual cycle. Dziubek K, et al. **Acta Morphol Acad Sci Hung** 1980; 28(1–2):3–9

Impaired maturation of Purkinje cells in the fetal alcohol syndrome of the rat. Light and electron microscopic investigations. Volk B, et al. **Acta Neuropathol (Berl)** 1981; 54(1):19–29

Frequency of evident Barr and 'F' corpuscles in tetraploid Purkinje neurons. Zapata–Gayón N, et al. **Arch Invest Med (Mex)** 1980;11(3):409–15 **(Eng, Spa)**

Purkinje cells and granule cells in the cerebellum of the Stumbler mutant mouse. Caddy KW, et al. **Brain Res** 1981 Apr;227(2):221–36

Lamellar bodies in Purkinje nerve cells experimentally induced by electric field. Hansson HA. **Brain Res** 1981 Jul 6;216(1):187–91

Malformation of Purkinje cell dendrites induced by graft–versus–host disease. Griffin WS, et al. **Brain Res Bull** 1980 Nov–Dec;5(6):673–8

Ultrastructural alterations in the initial segments and in the recurrent collateral terminals of Purkinje cells following axotomy. Hámori J, et al. **Cell Tissue Res** 1980; 212(3):415–27

Further observations on the effect of bilirubin encephalopathy on the Purkinje cell population in Gunn rats. Moore PJ, et al. **Exp Neurol** 1980 Aug;69(2):408–13

Non–synaptic membrane specializations on the necks of Purkinje cell dentritic spines. Spaček J. **J Anat** 1980 Dec; 131(Pt 4):723–9

The Purkinje neuron: II. Electron microscopic analysis of the mature Purkinje neuron in organotypic culture. Aggerwal AS, et al. **J Comp Neurol** 1980 Oct 15; 193(4):1081–96

The effects of refeeding after varying periods of neonatal undernutrition on the morphology of Purkinje cells in the cerebellum of the rat. McConnell P, et al. **J Comp Neurol** 1981 Aug 20;200(4):463–79

Myelinated dendrites of Purkinje cells in deafferented cerebellar cortex. Hámori J, et al. **J Hirnforsch** 1980; 21(4):391–407

Effects of vitamin B–6 deficiency on morphological changes in dendritic trees of Purkinje cells in developing cerebellum of rats. Chang SJ, et al. **J Nutr** 1981 May;111(5):848–57

Gap junctional structure in intact and cut sheep cardiac Purkinje fibers: a freeze–fracture study of Ca2+–induced resealing. Shibata Y, et al. **J Ultrastruct Res** 1981 May; 75(2):195–204

Retinal and cerebellar changes in early fetal Sandhoff disease (GM2–gangliosidosis type 2). Nørby S, et al. **Metab Pediatr Ophthalmol** 1980;4(3):115–9

The fine structure of the axonal torpedo in Purkinje cells

V 2 2 / 1 3
8 1 UMI

of the human cerebellum. Mann DM, et al. **Neurol Res** 1980;1(4):369–78

In vitro models of neural growth and differentiation. Privat A, et al. **Prog Brain Res** 1979;51:335–56

[Influence exercised on rat progeny by exposure to maternal morphine. II. Pre- and postnatal exposure and cerebellum development in the rat] Nosal G. **Acta Neurol Latinoam** 1979;25(3–4):151–65 (Eng. Abstr.) **(Fre)**

[Cytoplasmic eosinophilia of Purkinje neurons: distributional analysis in the different cerebellar areas] Scherini E, et al. **Arch Ital Anat Embriol** 1979;84(4):389–97 (Eng. Abstr.) **(Ita)**

[Electron-microscopic picture of rat brain in acute experimental hypoglycemia] Wierzba-Bobrowicz T. **Neuropatol Pol** 1980 May–Jun;18(2):289–300 (Eng. Abstr.) **(Pol)**

PURKINJE FIBERS see under **HEART CONDUCTION SYSTEM**

PUROMYCIN

Time-dependency of neurohypophyseal peptide attenuation of puromycin amnesia in mice. Walter R, et al. **Int J Pept Protein Res** 1980 Nov;16(5):482–6

Renal function in rats with unilateral proteinuria produced by renal perfusion with aminonucleoside. Chandra M, et al. **Pediatr Res** 1981 Apr;15(4 Pt 1):340–4

ANALOGS & DERIVATIVES

Fibroblasts transformed by an oncogenic virus show decreased uptake of puromycin aminonucleoside. Studzinski GP, et al. **Biochem Biophys Res Commun** 1980 Aug 29;95(4):1446–51

Inhibition of hepatocytic protein degradation by methylaminopurines and inhibitors of protein synthesis. Kovács AL, et al. **Biochim Biophys Acta** 1981 Aug 17; 676(2):213–20

Delayed growth inhibition of human leukaemic cells in culture following treatment with aminonucleoside of puromycin. Novak JF, et al. **Cytobios** 1981;30(117):49–59

Effect of aminonucleoside on transcription, methylation, and maturation of ribosomal RNA in SV40-transformed human lung fibroblasts. Tunkel AR, et al. **J Cell Physiol** 1981 Aug; 108(2):239–49

Puromycin analogues. Effect of aryl-substituted puromycin analogues on the ribosomal peptidyltransferase reaction. Lee H, et al. **J Med Chem** 1981 Mar;24(3):304–8

Inhibition of aminopeptidase and acetylcholinesterase by puromycin and puromycin analogs. Hersh LB. **J Neurochem** 1981 Apr;36(4):1594–6

Alterations in the charge and size selectivity barrier of the glomerular filter in aminonucleoside nephrosis in rats. Olson JL, et al. **Lab Invest** 1981 Mar;44(3):271–9

Nascent RNA chain termination and ultrastructural changes in nucleoli isolated from SV40-transformed fibroblasts treated with aminonucleoside of puromycin. Studzinski GP, et al. **Lab Invest** 1980 Nov;43(5):427–33

Effect of captopril on pre-existing and aminonucleoside-induced proteinuria in spontaneously hypertensive rats. Chiu PJ, et al. **Res Commun Chem Pathol Pharmacol** 1981 Mar; 31(3):419–33

BLOOD

The proteolysis of puromycin-peptide aggregates in rabbit reticulocytes of increasing maturity. McKay MJ, et al. **Biochem Soc Trans** 1981 Feb;9(1):147–8

PHARMACODYNAMICS

Prolongation of the effects of gonadotrophins and prostaglandin E2 on ovarian cyclic AMP formation by inhibitors of protein synthesis. Bergh C, et al. **Acta Endocrinol (Copenh)** 1980 Jun;94(2):251–8

Inhibitors of protein synthesis block action of cholera toxin. Hagmann J, et al. **Biochem Biophys Res Commun** 1981 Feb 12;98(3):677–84

Effect of ATP depletion on the disappearance of high-molecular-weight aggregates formed in rabbit reticulocytes after exposure to puromycin dihydrochloride. Worthington VC, et al. **Biochem Soc Trans** 1981 Feb; 9(1):148–9

A system of DNA replication in HeLa nuclei treated with inhibitors of protein synthesis. Nagata K, et al. **Biochim Biophys Acta** 1981 May 29;653(3):316–30

Effects of puromycin on the differentiation of the freshwater sponge: Ephydatia fluviatilis. Rozenfeld F. **Differentiation** 1980;17(3):193–8

Effects of temperature and inhibitors on protein synthesis in a temperature sensitive CHO cell line. A proposed role for protein synthesis intrinsic to cell nuclei in the synthesis of RNA. Anderson KM, et al. **Int J Biochem** 1980; 12(3):421–6

Effect of puromycin, cycloheximide and concanavalin A on in vitro synthesis of human reticulocyte membrane proteins. Krasnow SH, et al. **Int J Biochem** 1981;13(6):707–11

Effect of low pH on the mitotic delay induced in sea urchin eggs by X- or U.V.-irradiation, ethidium bromide or puromycin. Kimura H. **Int J Radiat Biol** 1980 Aug; 38(2):211–5

Suppression of the biosynthesis of guanosine triphosphate by protein synthesis inhibitors. Volkin E, et al. **J Biol Chem** 1980 Oct 10;255(19):9105–9

Inhibition of aminopeptidase and acetylcholinesterase by puromycin and puromycin analogs. Hersh LB. **J Neurochem** 1981 Apr;36(4):1594–6

Effect of puromycin on guinea pig lymphotoxin release and lectin-induced cellular cytotoxicity. Sawada J, et al. **Microbiol Immunol** 1980;24(8):741–6

Inhibition of protein synthesis antagonizes induction of sister-chromatid exchanges by exogenous agents. Sono A, et al. **Mutat Res** 1981 Jan;80(1):121–31

Task-specificity of the blocking action of puromycin on retention in goldfish. Satake N. **Physiol Behav** 1978 DEC; 21(6):855–8

Puromycin induction of transient regeneration in mammalian spinal cord. Bernstein JJ, et al. **Prog Brain Res** 1980; 53:21–38 (44 ref.)

[Morphogenesis of the embryonic head of the chicken following treatment of the isolated brain with actinomycin D and puromycin. First observations] Schowing J, et al. **Bull Assoc Anat (Nancy)** 1980 Jun;64(185):289–97 (Eng. Abstr.) **(Fre)**

[Influence of cortisol and the inhibitors of protein biosynthesis (puromycin) on the lipolytic activity, in vitro, of cyclic adenosine monophosphate] Llamas R. **Gac Med Mex** 1980 May;116(5):213–6 **(Spa)**

PUROMYCIN AMINONUCLEOSIDE see under **PUROMYCIN**

PURPURA

[Clinical studies on purpura pigmentosa progressiva(angiodermatitis). Part II. Clinical course and prognosis (author's transl)] Saito R. **Nippon Hifuka Gakkai Zasshi** 1980 Jul;90(8):727–31 **(Jpn)**

BLOOD

Hemostasis and purpura. Saha KC. **Indian J Dermatol** 1980 Apr;25(2):1–4

[Autoerythrocytic sensitization in psychogenic purpura] Spalter L, et al. **Harefuah** 1980 Dec 15;99(12):435–6 (Eng. Abstr.) **(Heb)**

CHEMICALLY INDUCED

Purpuric rash due to epsilon-aminocaproic acid. Chakrabarti A, et al. **Br Med J** 1980 Jul 19;281(6234):197–8

Chronic pigmented purpura induced by chemical substances. Nishioka K, et al. **Clin Exp Dermatol** 1980 Jun;5(2):213–8

Dyphenylhydantoin induced hypersensitivity reaction with an unusual purpuric skin lesion. Hanukoglu A, et al. **Eur J Pediatr** 1980 Aug;134(2):177–9

Peliosis in renal failure treated with androgens [letter] Slater D, et al. **N Engl J Med** 1981 Aug 6;305(6):345

Effect of aspirin on the human stomach in normals: endoscopic comparison of damage produced one hour, 24 hours, and 2 weeks after administration. O'Laughlin JC, et al. **Scand J Gastroenterol [Suppl]** 1981;67:211–4

[Purpura caused by sensitization to 8-methoxypsoralen during PUVA-therapy (letter)] Barrière H, et al. **Nouv Presse Med** 1981 Feb 7;10(5):337 **(Fre)**

COMPLICATIONS

[Acute haemorrhagic edema of the skin of the new-born with lethal intestinal complication (author's transl)] Larrègue M, et al. **Ann Dermatol Venereol** 1980;107(10):901–5 (Eng. Abstr.) **(Fre)**

[Prevention of distal necrosis in purpura fulminans. Value of sodium nitroprusside and urokinase (letter)] Devictor D, et al. **Arch Fr Pediatr** 1980 Jun;37(6):421–2 **(Fre)**

[Acute hemorrhagic edema in infants. Case report] Bianchi G, et al. **Minerva Pediatr** 1981 Jan 31;33(2):87–90 (Eng. Abstr.) **(Ita)**

[A case of purpura fulminans associated with miliary tuberculosis (author's transl)] Göğüş S, et al. **Mikrobiyol Bul** 1979 Oct;13(4):397–400 (Eng. Abstr.) **(Tur)**

CONGENITAL

Dermal erythropoiesis in a neonate. Argyle JC, et al. **Arch Dermatol** 1981 Aug;117(8):492–4

DIAGNOSIS

A report of two patients with lichen aureus. Abramovits W, et al. **Arch Dermatol** 1980 Oct;116(10):1183–4

Hemorrhagic infarcts caused by mucin emboli mimicking brain purpura. Robitaille Y. **Cancer** 1980 Oct 1; 46(7):1608–11

DRUG THERAPY

[Gardner-Diamond syndrome in a male. Trial treatment with beta-blockers (letter)] Glowinski J, et al. **Nouv Presse Med** 1981 Jun 27;10(28):2369–70 **(Fre)**

ETIOLOGY

Unilateral palpable purpura. A manifestation of septic emboli from an infected aortofemoral bypass graft eroding the jejunum. Goette DK. **Arch Dermatol** 1981 Jul;117(7):430–1

Vitamin C deficiency. Price NM. **Cutis** 1980 Oct;26(4):375–7

Role of autolysin in generating the pneumococcal purpura-producing principle. Chetty C, et al. **Infect Immun** 1981 Jan;31(1):339–44

Circulatory and respiratory factors in the experimental production of lung petechiae and their possible significance in the sudden infant death syndrome. Campbell CJ, et al. **Pathology** 1980 Apr;12(2):181–8

Purpura after dogbite [letter] Findling JW, et al. **South Med J** 1981 Jan;74(1):89

Psychogenic purpura (autoerythrocyte sensitization). Hanna WT, et al. **South Med J** 1981 May;74(5):538–42

[Fulminant pneumococcemia in two splenectomized patients (author's transl)] Brivet F, et al. **Ann Med Interne (Paris)** 1980;131(5):285–8 (Eng. Abstr.) **(Fre)**

[Purpura fulminans associated with varicella (letter)] Clotet B, et al. **Nouv Presse Med** 1980 Sep 27;9(35):2580 **(Fre)**

[Purpura fulminans caused by pneumococcus in a splenectomized adult with persistence of accessory splenic tissue (letter)] Tanguy RL, et al. **Nouv Presse Med** 1981 Jun 20;10(27):2290 **(Fre)**

[Skin lesions and joint involvement in purpura fulminans (author's transl)] Allouis M, et al. **Rev Chir Orthop** 1980 Oct;66(7):461–5 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Immunofluorescence study in purpura pigmentosa chronica. Iwatsuki K, et al. **Acta Derm Venereol (Stockh)** 1980; 60(4):341–5

The complement system in essential mixed cryoglobulinemia. Montagnino G, et al. **Ric Clin Lab** 1980 Jan–Mar; 10(1):75–80

[Gardner-Diamond's purpura caused by auto-erythrocyte sensitization. Study of a case and review of the bibliography] Pereira JM, et al. **AMB** 1980 Oct; 26(10):331–5 (Eng. Abstr.) **(Por)**

MORTALITY

Observation of 50 cases of purpura in childhood. Chakrabarty BK, et al. **Indian J Dermatol** 1980 Apr;25(2):13–8

PATHOLOGY

Reversal of microvascular abnormalities in a successfully treated case of leukocytoclastic vasculitis. Kitchens CS. **Johns Hopkins Med J** 1980 Sep;147(3):97–101

The anatomic basis of purpura. Kitchens CS. **Prog Hemost Thromb** 1980;5:211–44 (218 ref.)

[Value of cyanosis and petechiae in strangulation and concurrent severe anemia (author's transl)] Adebahr G. **Z Rechtsmed** 1981;86(2):123–8 (Eng. Abstr.) **(Ger)**

[Clinical studies on purpura pigmentosa progressiva (angiodermatitis). Part I. Clinical and histopathological findings (author's transl)] Saito R. **Nippon Hifuka Gakkai Zasshi** 1980 Jul;90(8):719–25 **(Jpn)**

PREVENTION & CONTROL

Inhibition of thrombocytopenic petechiae by exogenous serotonin administration. Sweetman HE, et al. **Haemostasis** 1981;10(2):65–78

PSYCHOLOGY

The psychogenic purpuras: a review of autoerythrocyte sensitization, autosensitization to DNA, 'hysterical' and factitial bleeding, and the religious stigmata. Ratnoff OD. **Semin Hematol** 1980 Jul;17(3):192–213 (129 ref.)

PURPURA, HYPERGLOBULINEMIC

COMPLICATIONS

Hypergammaglobulinemic purpura and Sjögren's syndrome in a child. Celada A, et al. **Helv Paediatr Acta** 1980 Dec; 35(6):569–76

[Rheumatoid arthritis associated with chronic active cirrhogenous hepatitis. Treatment by plasmapheresis of associated hyperglobulinemic purpura (letter)] Feldmann JL, et al. **Nouv Presse Med** 1981 Jul 11–25;10(30):2517–8 **(Fre)**

[A case of purpura cryoglobulinemia and hyperthyroidism] Cavatorta F, et al. **G Clin Med** 1980 Jan;61(1):38–43 (Eng. Abstr.) **(Ita)**

[Sjögren's syndrome, mixed cryoglobulinemia, and Waldenström's hypergammaglobulinemic purpura (letter)] Cardellach F, et al. **Med Clin (Barc)** 1981 Feb 10; 76(3):139–40 **(Spa)**

ETIOLOGY

Hyperglobulinemic purpura in the course of multiple myeloma. Shalit M, et al. **Acta Haematol (Basel)** 1980; 64(6):331–4

Growth and maturation arrest, hypochromic anemia and hyperglobulinemia associated with a brain tumor. Connors MH. **West J Med** 1980 Aug;133(2):160–3

IMMUNOLOGY

Immune complexes in the pathogenesis of hypergammaglobulinemic purpura. Olmstead AD, et al.

J Am Acad Dermatol 1980 Aug;3(2):174–9

[Two cases of purpura hyperglobulinemica (author's trans!)] Maruo K, et al. **Rinsho Ketsueki** 1980 Aug;21(8):1209–16 (Eng. Abstr.) **(Jpn)**

[Hypergammaglobulinaemic purpura (author's transl)] Celada A. **Sangre (Barc)** 1980;25(3):300–9 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Recurrent upper gastro-intestinal bleeding, duodenal and gastric ulcer and peliosis hepatis in a patient with Waldenstrom's macroglobulinemia. Ginestal-Cruz A, et al. **Acta Med Port** 1979 Nov-Dec;1(6):721–7

PURPURA, SCHOENLEIN-HENOCH

BLOOD

[Pathogenesis and correlation of disorders of hemostasis in Schoenlein-Henoch hemorrhagic vasculitis] Barkagan LZ, et al. **Ter Arkh** 1980;52(9):59–62 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Henoch-Schönlein Purpura and (gamma(-benzene hexachloride [letter] Fagan JE. **Pediatrics** 1981 Feb; 67(2):310–1

COMPLICATIONS

Henoch-Schonlein syndrome in children: gastrointestinal manifestations. Glasier CM, et al. **AJR** 1981 Jun; 136(6):1081–5

Henoch-Schönlein nephritis: long-term prognosis of unselected patients. Koskimies O, et al. **Arch Dis Child** 1981 Jun;56(6):482–4

Testicular complications in connective tissue disease. Tangney NJ. **Arch Dis Child** 1981 Aug;56(8):651–2

Henoch-Schonlein nephritis: case report. Gupta AP, et al. **Indian Pediatr** 1980 Sep;17(9):771–3

Henoch-Schönlein syndrome--paucity of renal disease. Review of 71 children. Blazer S, et al. **Isr J Med Sci** 1981 Jan;17(1):41–4

Scrotal imaging in the Henoch-Schönlein syndrome. Stein BS, et al. **J Urol** 1980 Oct;124(4):568–9

Henoch-Schönlein (anaphylactoid) nephropathy in pregnancy. Plauché WC. **Obstet Gynecol** 1980 Oct; 56(4):515–7

The site of protein loss in Schönlein-Henoch purpura. Waller DG, et al. **Postgrad Med J** 1980 May;56(655):361–2

Henoch-schoenlein purpura with colonic involvement. A case report. Van den Bosch H, et al. **ROEFO** 1980 Apr; 132(4):457–9

[Value of continuous flow enteral feeding in severe non-surgical digestive forms of rheumatoid purpura in children. Apropos of 5 cases] Tholon JP, et al. **Pediatrie** 1981 Mar;36(2):141–6 (Eng. Abstr.) **(Fre)**

[Involvement of the testes in Schoenlein-Henoch purpura] Menardi G, et al. **ZFA (Stuttgart)** 1980 Sep 10; 56(25):1540–2 **(Ger)**

[Atypical cutaneous manifestations in a case of Schönlein-Henoch syndrome] Bezzi TM, et al. **Minerva Pediatr** 1981 Feb 15;33(3):131–3 (Eng. Abstr.) **(Ita)**

[Intestinal perforation in the course of the Schönlein-Henoch syndrome] Russo EM, et al. **Minerva Pediatr** 1980 Jan 15; 32(1):71–3 (Eng. Abstr.) **(Ita)**

[Glomerulonephritis in the course of Schöenlein-Henoch purpura - retrospective studies] Szajner-Milart I, et al. **Wiad Lek** 1980 Aug 1;33(15):1191–9 (Eng. Abstr.) **(Pol)**

[Incidence of renal involvement in Schönlein-Henoch syndrome (author's transl)] Mendizábal S, et al. **An Esp Pediatr** 1980 Nov;13(11):985–90 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Henoch-schoenlein purpura. Gastrointestinal manifestations with endoscopic correlation. Goldman LP, et al. **Am J Gastroenterol** 1981 May;75(5):357–60

[Fulminant course of hemorrhagic vasculitis] Shupen'ko NM, et al. **Vestn Dermatol Venerol** 1981 Mar;(3):62–5 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Relapse of Henoch-Schönlein disease associated with lung carcinoma. Mitchell DM, et al. **J R Soc Med** 1979 Aug; 72(8):614–5

Relapsing Henoch-Schönlein syndrome with renal involvement in a patient with an IgA monoclonal gammopathy. A study of the results of immunosuppressant and cytotoxic therapy. Dosa S, et al. **Nephron** 1980; 26(3):145–8

[New data on the mechanisms and methods of eliminating hemostatic disorders in hemorrhagic vasculitis in children] Barkagan LZ, et al. **Pediatriia** 1980 Jul;(7):43–6 (Eng. Abstr.) **(Rus)**

[Hemorrhagic vasculitis as a manifestation of serum disease] Okhrimovich LM, et al. **Vrach Delo** 1980 Oct;(10):47–8 **(Rus)**

IMMUNOLOGY

Circulating IgA-immune complexes in Henoch-Schönlein purpura. A longitudinal study of their relationship to disease activity and vascular deposition of IgA. Kauffmann RH, et al. **Am J Med** 1980 Dec;69(6):859–66

Lymphocyte subpopulations in anaphylactoid purpura. Musumeci S, et al. **Arch Dis Child** 1980 Jul;55(7):541–3

IgA-containing circulating immune complexes in dermatitis herpetiformis, Henoch-Schönlein purpura, systemic lupus erythematosus and other diseases. Hall RP, et al. **Clin Exp Immunol** 1980 Jun;40(3):431–7

Selective deposition of immunoglobulin A1 in immunoglobulin A nephropathy, anaphylactoid purpura nephritis, and systemic lupus erythematosus. Conley ME, et al. **J Clin Invest** 1980 Dec;66(6):1432–6

Immunologic studies in IgA nephropathy. Woodroffe AJ, et al. **Kidney Int** 1980 Sep;18(3):366–74

A new test for IgA containing immune complexes or aggregated IgA: its application to Berger and Schönlein-Henoch nephritis. Coppo R, et al. **Proc Eur Dial Transplant Assoc** 1980;17:667–72

A possible common pathogenesis of the mesangial IgA glomerulonephritis in patients with Berger's disease and Schönlein-Henoch syndrome. Egido J, et al. **Proc Eur Dial Transplant Assoc** 1980;17:660–6

[Immunofluorescent features in anaphylactoid purpura nephritis (author's transl)] Katsumata Y. **Nippon Jinzo Gakkai Shi** 1980 Sep;22(9):1183–95 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Schönlein-Henoch glomerulonephritis. Characteristic ultrastructural changes in the glomerular basement membrane and localisation of osmiophilic deposits. Zollinger HU, et al. **Virchows Arch [Pathol Anat]** 1980; 388(2):155–65

[Schoenlein-Henoch syndrome. Analysis of 36 clinical observations] Pacheco V, et al. **Rev Chil Pediatr** 1980 Sep-Oct;51(5):323–28 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

[Change in thrombocyte adhesive and aggregation properties in hemorrhagic vasculitis in children] Kozarezova TI, et al. **Pediatriia** 1980 Jul;(7):46–9 **(Rus)**

RADIOGRAPHY

The case of the purpuric bowel. Seaman WB. **Hosp Pract** 1980 Nov;15(11):30, 32

Radiologic notes. Bloch C, et al. **Mt Sinai J Med (NY)** 1981 May-Jun;48(3):266–76

[Initial and reversible radiologic changes of duodenum and small bowel in Henoch-Schönlein purpura (author's transl)] Lorilloux J, et al. **Ann Pediatr (Paris)** 1980 Oct;27(8):519–24 (Eng. Abstr.) **(Fre)**

[Pulmonary manifestations in anaphylactoid purpura (Henoch-Schönlein Syndrome) (author's transl)] Fiegler W, et al. **ROEFO** 1981 Mar;134(3):269–72 (Eng. Abstr.) **(Ger)**

PURPURA, THROMBOPENIC

Adult idiopathic thrombocytopenic purpura. Clinical findings and response to therapy. DiFino SM, et al. **Am J Med** 1980 Sep;69(3):430–42 (47 ref.)

Chronic idiopathic thrombocytopenic purpura. McMillan R. **N Engl J Med** 1981 May 7;304(19):1135–47 (116 ref.)

[Kasabach-Merrit syndrome: association of hemangioma and thrombocytopenia] Palaneck K, et al. **Rev Chil Pediatr** 1979 Nov-Dec;50(6):67–9 (Eng. Abstr.) **(Spa)**

BLOOD

Megathrombocytes, platelet regeneration time and platelet associated IgG in idiopathic thrombocytopenic purpura and in thrombocytopenia associated with chronic liver disease. Leone G, et al. **Acta Haematol (Basel)** 1981;65(1):40–7

Relationship between fibrinogen binding and the platelet glycoprotein deficiencies in Glanzmann's thrombasthenia type I and type II. Lee H, et al. **Br J Haematol** 1981 May; 48(1):47–57

Studies on platelet glycoproteins in Glanzmann's thrombasthenia using 125I-labelled lectins. McGregor JL, et al. **Br J Haematol** 1980 Sep;46(1):99–107

Properties of human asialo-factor VIII. A ristocetin-independent platelet-aggregating agent. De Marco L, et al. **J Clin Invest** 1981 Aug;68(2):321–8

Fibronectin in von Willebrand's disease and thrombasthenia: role in platelet aggregation. Cohen I, et al. **J Lab Clin Med** 1981 Jan;97(1):134–40

T gamma cell deficiency in idiopathic thrombocytopenic purpura (ITP). Lauria F, et al. **Scand J Haematol** 1981 Feb;26(2):156–60

Platelet dense bodies loaded with mepacrine. Study in chronic idiopathic thrombocytopenic purpura (ITP). Hourdille P, et al. **Thromb Haemost** 1980 Jul 15; 43(3):208–10

CHEMICALLY INDUCED

[Acute thrombopenic purpura after exposure to Muchozol extra] Jarczok K, et al. **Pol Tyg Lek** 1980 May 12; 35(19):711–2 (Eng. Abstr.) **(Pol)**

COMPLICATIONS

Sea-blue histiocytes in idiopathic thrombocytopenic purpura. The first report from the Indian subcontinent. Quadri MI, et al. **Acta Haematol (Basel)** 1980;64(5):294–6

Idiopathic thrombocytopenic purpura and Hodgkin's disease: report of two cases and a review of the literature. Kirshner JJ, et al. **Am J Med Sci** 1980 Jul-Aug;280(1):21–8

Chronic idiopathic thrombocytopenic purpura followed by chronic myelocytic leukemia. Chu JY, et al. **Am J Pediatr Hematol Oncol** 1981 Spring;3(1):83–5

Thrombocytopenic purpura and thyroid disease [letter] Herman J. **Ann Intern Med** 1980 Dec;93(6):934

A female case of chronic granulomatous disease (CGD) associated with chronic idiopathic thrombocytopenic purpura. Matsuura R, et al. **Hiroshima J Med Sci** 1980 Jun; 29(2):83–6

Evans syndrome in childhood. Pui CH, et al. **J Pediatr** 1980 Nov;97(5):754–8

Localized scleroderma and idiopathic thrombocytopenia. Neucks SH, et al. **J Rheumatol** 1980 Sep-Oct;7(5):741–4

Pulmonary hemosiderosis and immune thrombocytopenia. Initial manifestations of collagen-vascular disease. Buchanan GR, et al. **JAMA** 1981 Aug 21;246(8):861–4

Autoimmune thrombocytopenic purpura-like syndrome in a patient with head and neck cancer. Jubelirer SJ, et al. **Laryngoscope** 1981 Mar;91(3):408–9

Frentizole therapy of thrombocytopenia in systemic lupus erythematosus and refractory idiopathic thrombocytopenic purpura. O'Duffy JD, et al. **Mayo Clin Proc** 1980 Oct; 55(10):601–5

Idiopathic thrombocytopenic purpura and intracranial hemorrhage. Krivit W, et al. **Pediatrics** 1981 Apr; 67(4):570–1

Intracranial hemorrhage in children with idiopathic thrombocytopenic purpura. Woerner SJ, et al. **Pediatrics** 1981 Apr;67(4):453–60

Hemochromatosis, thrombocytopenic purpura, and multiple endocrine disturbances. An unusual association of uncommon disorders is reported. Friedland ML, et al. **RI Med J** 1980 Sep;63(9):342–4

Association of Myasthenia gravis and idiopathic thrombocytopenic purpura. Bowen LM, et al. **South Med J** 1981 Apr;74(4):513–4

[Kaposi angiomatosis in Evans' syndrome] Thomas P, et al. **Ann Dermatol Venereol** 1980;107(10):941–4 **(Fre)**

[Multinodular hemangiomatosis of the liver with hemolytic anemia and thrombocytopenia in a newborn infant (author's transl)] Delattre P, et al. **Ann Pediatr (Paris)** 1979 Oct; 26(8):571–3 (Eng. Abstr.) **(Fre)**

[Kaposi's angiosarcoma associated with Evans syndrome (letter)] Thomas P, et al. **Nouv Presse Med** 1980 May 31; 9(24):1710 **(Fre)**

[Current pathogenetic and therapeutic aspects of the Kasabach-Merrit syndrome] Ardissone P, et al. **Minerva Pediatr** 1980 Sep 15;32(17):1047–56 (Eng. Abstr.) **(Ita)**

[A case of acute myelomonocytic leukemia with myeloid metaplasia showing I. T. P. like symptoms in preleukemic stage (author's transl)] Kita K, et al. **Rinsho Ketsueki** 1980 Aug;21(8):1217–25 (Eng. Abstr.) **(Jpn)**

[Idiopathic thrombocytopenic purpura associated with hyperthyroidism responding well to splenectomy (author's transl)] Yoshikawa H, et al. **Rinsho Ketsueki** 1980 May; 21(5):612–8 (Eng. Abstr.) **(Jpn)**

[Progressive general sclerosis associated with thrombocytopenic purpura, autoimmune hemolytic anemia and selective immunoglobulin A deficiency] Córdova LT, et al. **Gac Med Mex** 1981 Feb;117(2):76–80 **(Spa)**

[Idiopathic thrombocytopenic purpura as the initial manifestation of Hodgkin's disease] Paz RA, et al. **Medicina (B Aires)** 1980 Mar-Apr;40(2):176–8 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Predicting acute vs chronic childhood idiopathic thrombocytopenic purpura. Tomar RH, et al. **Am J Dis Child** 1981 May;135(5):446–9

Chronic idiopathic thrombocytopenic purpura [letter] Barrison IG, et al. **Br Med J [Clin Res]** 1981 May 30; 282(6278):1798

Idiopathic thrombocytopaenic purpura and Onyalai in Zimbabwean Africans. Goldin R, et al. **Cent Afr J Med** 1980 Nov;26(11):236–9

Idiopathic thrombocytopenic purpura. Sacher RA. **Primary Care** 1980 Sep;7(3):439–49

[Pregnancy and parturition in idiopathic thrombocytopenic purpura (author's transl)] Frankenberg HW. **Geburtshilfe Fraunheilkd** 1981 Jul;41(7):512–4 (Eng. Abstr.) **(Ger)**

[Diagnosis and prognosis of transimmune thrombocytopenias] Barkagan LZ, et al. **Pediatriia** 1981 Feb;(2):19–21 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

High-dose intravenous gammaglobulin therapy of refractory, in particular idiopathic thrombocytopenia in childhood. Imbach P, et al. **Helv Paediatr Acta** 1981 Feb;36(1):81–6

Deflazacort in thrombocytopenia: a comparison with prednisone. Mazzucconi MG, et al. **Int J Clin Pharmacol Ther Toxicol** 1980 Dec;18(12):538–42

Low-dose vincristine in the treatment of corticosteroid-refractory idiopathic thrombocytopenic purpura (ITP) in non-splenectomized patients. Cervantes

F, et al. **Postgrad Med J** 1980 Oct;56(660):711–4

Acute nonlymphocytic leukemia after cyclophosphamide therapy for refractory idiopathic thrombocytopenic purpura. Krause JR. **South Med J** 1981 Jul;74(7):891–2

[Transfusion of platelets loaded with periwinkle alkaloids as a treatment for chronic idiopathic thrombocytopenic purpura (author's transl)] Wautier JL, et al. **Nouv Presse Med** 1979 Jan 20;8(3):185–8 (Eng. Abstr.) **(Fre)**

ENZYMOLOGY

Terminal-deoxynucleotidyl-transferase-positive cells in childhood idiopathic thrombocytopenic purpura [letter] Nunnery EW, et al. **Arch Pathol Lab Med** 1980 Sep; 104(9):493–4

ETIOLOGY

Vaccination-Associated relapse of immune thrombocytopenia. Kelton JG. **JAMA** 1981 Jan 23–30; 245(4):369–70

Thrombocytopenic purpura after measles vaccination [letter] Kiefaber RW. **N Engl J Med** 1981 Jul 23;305(4):225

[Auto-immune hemolytic anemia complicated by primary thrombocytopenic purpura---report of 10 cases (author's transl)] Cai JR. **Chung Hua Nei Ko Tsa Chih** 1980; 19(1):12–4 **(Chi)**

[Preleukemic states in infancy: discussion of 3 cases] Pizzi E, et al. **Minerva Pediatr** 1980 Jul 15;32(13):831–6 (Eng. Abstr.) **(Ita)**

[A case of chronic benign neutropenia in childhood associated with thrombocytopenic purpura and induced remission with glucocorticoid (author's transl)] Ito T, et al. **Rinsho Ketsueki** 1980 Nov;21(11):1781–8 (Eng. Abstr.) **(Jpn)**

[Case of thrombopenic purpura after injection of bovine tetanus antiserum] Rafalski J, et al. **Wiad Lek** 1980 Jun 1;33(11):919–21 (Eng. Abstr.) **(Pol)**

[Thrombocytopenic purpura in infectious mononucleosis (author's transl)] Madero López L, et al. **An Esp Pediatr** 1981 Feb;14(2):122–4 (Eng. Abstr.) **(Spa)**

[Syndrome of idiopathic thrombocytopenic purpura secondary to carcinoma of the lung. Report of one case (author's transl)] Garcia Ruiz F, et al. **Med Clin (Barc)** 1980 Dec 15;75(10):435–7 (Eng. Abstr.) **(Spa)**

[Hodgkin's disease complicated with autoimmune thrombocytopenic purpura and a nephrotic syndrome due to deposition of circulating immunocomplexes (author's transl)] Zuazu Nagore J, et al. **Med Clin (Barc)** 1981 Jan 25;76(2):65–9 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Hereditary autoimmune thrombocytopenic purpura: an immunologic and genetic study. Karpatkin S, et al. **Ann Intern Med** 1981 Jun;94(6):781–2

[Familial idiopathic thrombocytopenic purpura (author's transl)] Msefer-Alaoui F, et al. **Ann Pediatr (Paris)** 1981 Mar;28(3):215–20 (Eng. Abstr.) **(Fre)**

[HLA-phenotypes of idiopathic thrombocytopenias in childhood] Exadaktylos P, et al. **Acta Biol Med Ger** 1980; 39(10):1095–7 **(Ger)**

[Case of Glanzmann's thrombasthenia: a familial study and confirmation of the efficacy of platelet transfusions] Garelli S, et al. **Riv Emoter Immunoematol** 1979;26(1–2):39–52 (Eng. Abstr.) **(Ita)**

[Diagnostic problems in constitutional thrombopathies] Scrobohaci ML, et al. **Rev Med Interna [Med Interna]** 1980 Nov-Dec;32(6):547–55 **(Rum)**

HISTORY

The first description of idiopathic thrombocytopaenic purpura and onyalai in Southern Africa? Roberts RS. **Cent Afr J Med** 1980 Dec;26(12):257–8

IMMUNOLOGY

Post-transfusion purpura: an enigma of alloimmunization. Lau P, et al. **Am J Hematol** 1980;9(3):331–6

Isoimmune neonatal thrombocytopenic purpura. Galea P, et al. **Arch Dis Child** 1981 Feb;56(2):112–5

The demonstration of antibody binding to platelet-associated antigens in patients with immune thrombocytopenic purpura. McMillan R, et al. **Blood** 1980 Dec;56(6):993–5

Immunological studies in a case of Evans' syndrome. Mönch H, et al. **Blut** 1981 Jan;42(1):27–32

Fixation of C3 to platelets in vitro by antiplatelet antibody from patients with immune thrombocytopenic purpura. McMillan R, et al. **Br J Haematol** 1981 Feb;47(2):251–6

Subclasses of IgG antibodies in immune thrombocytopenic purpura (ITPO). Rosse WF, et al. **Br J Haematol** 1980 Sep;46(1):109–14

Autoimmune thrombocytopenia: detection of platelet autoantibodies with the suspension immunofluorescence test. von dem Borne AE, et al. **Br J Haematol** 1980 Jun; 45(2):319–27

Maternal autoimmune thrombocytopenia and the newborn. van Leeuwen EF, et al. **Br Med J [Clin Res]** 1981 Jul 11; 283(6248):104

Detection of anti-platelet antibodies in patients with idiopathic thrombocytopenic purpura (ITP) and in patients with rubella and herpes group viral infections. Kahane S, et al. **Clin Exp Immunol** 1981 Apr;44(1):49–56

A new assay for the evaluation of antiplatelet antibody in idiopathic thrombocytopenic purpura. McMillan R, et al. **Immunopharmacology** 1979 Mar;1(2):83–7

Study of the factors that cause specific transformation in cultures of lymphocytes from patients with quinine- and quinidine-induced immune thrombocytopenia. Hosseinzadeh PK, et al. **J Clin Invest** 1980 Oct;66(4):638–45

Alterations in T gamma cells in patients with chronic idiopathic thrombocytopenic purpura. Trent R, et al. **J Immunol** 1981 Aug;127(2):621–6

Platelet antibody in idiopathic thrombocytopenic purpura and other thrombocytopenias. A quantitative, sensitive, and rapid assay. Sugiura K, et al. **J Lab Clin Med** 1980 Oct; 96(4):640–53

Persistence of anti-platelet antibodies in ITP [letter] Ozsoylu S. **J Pediatr** 1981 Apr;98(4):671–2

Platelet antibodies in immune thrombocytopenic purpura and onyalai. Brink S, et al. **S Afr Med J** 1981 Jun 6;59(24):855–8

[Post-transfusional purpura, a characteristic reaction caused by alloantibodies against thrombocytes] Pegels JG, et al. **Ned Tijdschr Geneeskd** 1981 Jul 25;125(30):1191–4 (Eng. Abstr.) **(Dut)**

[Posttransfusional purpura (author's transl)] Engelfriet CP, et al. **Wien Klin Wochenschr** 1981 Apr 3;93(7):240–1 (Eng. Abstr.) **(Ger)**

[Behavior of the immunoglobulin pattern in idiopathic thrombopenic purpura] Esposito L, et al. **Pediatria (Napoli)** 1979 Dec 31;87(4):531–9 (Eng. Abstr.) **(Ita)**

[Pathogenesis of autoimmune hemocytopenias] Tishchenko LM. **Vrach Delo** 1980 Dec;(12):41–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Abnormal platelet function and arachidonate metabolism in chronic idiopathic thrombocytopenic purpura. Stuart MJ, et al. **Blood** 1981 Aug;58(2):326–9

OCCURRENCE

Childhood idiopathic thrombocytopenic purpura in Egypt and the neighboring Arab countries: a regional form with three different patterns of clinical expression. Afifi AM, et al. **Acta Haematol (Basel)** 1981;65(3):211–6

PATHOLOGY

Fever, pharyngitis and lymphadenopathy in a patient with the Bernard-Soulier syndrome [clinical conference] **Am J Med** 1981 Apr;70(4):852–8

[Idiopathic thrombocytopenic purpura. Report of an autopsy case (author's transl)] Takagi M, et al. **Kokubyo Gakkai Zasshi** 1980 Jun;47(2):336–41 **(Jpn)**

PHYSIOPATHOLOGY

Autoimmune thrombocytopenic purpura. Karpatkin S. **Blood** 1980 Sep;56(3):329–43 (157 ref.)

A simple method for detecting complement-fixation by autologous platelets in autoimmune thrombocytopenic purpura. Sandler RM, et al. **Clin Lab Haematol** 1981; 3(1):61–70

RADIONUCLIDE IMAGING

Idiopathic thrombocytopenic purpura: detection of accessory splenic tissue. Wahner-Roedler DL, et al. **Clin Nucl Med** 1981 Apr;6(4):141–5

SURGERY

[Caesarean section with splenectomy in a patient with idiopathic thrombocytopenic purpura (author's transl)] Heyes H, et al. **Arch Gynecol** 1980;229(3):237–44 (Eng. Abstr.) **(Ger)**

[Splenectomy in Werlhof disease without thrombocyte substitution. Prospective study of 7 consecutive cases] Seufert RM, et al. **Chirurg** 1981 Mar;52(3):174–7 (Eng. Abstr.) **(Ger)**

THERAPY

Fate of therapy failures in adult idiopathic thrombocytopenic purpura. Picozzi VJ, et al. **Am J Med** 1980 Nov;69(5):690–4

Renal embolisation in Glanzmann's thrombasthenia. Briët E, et al. **Br Med J** 1980 Oct 18;281(6247):1039

Chronic idiopathic thrombocytopenic purpura [editorial] **Br Med J [Clin Res]** 1981 May 9;282(6275):1497–8

Idiopathic thrombocytopenic purpura: a case of particular historic interest. Bannister BA, et al. **J R Soc Med** 1980 Nov;73(11):828–9

Management of pregnancy in women with immune thrombocytopenic purpura. Carloss HW, et al. **JAMA** 1980 Dec 19;244(24):2756–8

High-dose intravenous gammaglobulin for idiopathic thrombocytopenic purpura in childhood. Imbach P, et al. **Lancet** 1981 Jun 6;1(8232):1228–31

High-dose intravenous gammaglobulin for idiopathic thrombocytopenic purpura [letter] Schmidt RE, et al. **Lancet** 1981 Aug 29;2(8244):475–6

Treatment of idiopathic thrombocytopenic purpura [letter] **N Engl J Med** 1981 Oct 1;305(14):830–1

One-year follow-up of plasma exchange therapy in 14 patients with idiopathic thrombocytopenic purpura. Marder VJ, et al. **Transfusion** 1981 May-Jun;21(3):291–8

[The therapeutic problems in idiopathic thrombocytopenic purpura (author's transl)] Yang TY. **Chung Hua Nei Ko Tsa Chih** 1980 Sep;19(5):372–4 **(Chi)**

[Idiopathic thrombocytopenic purpura (ITP) it childhood (author's transl)] Schaison G, et al. **Ann Pediatr (Paris)** 1980 Dec;27(10):641–4 (Eng. Abstr.) **(Fre)**

[Value of plasma exchange in the management of acute immunoallergic thrombocytopenic purpura (author's transl)] Zittoun R, et al. **Nouv Presse Med** 1981 Feb 28; 10(9):683–8 (Eng. Abstr.) **(Fre)**

[Idiopathic thrombocytopenic purpura (ITP) in childhood (author's transl)] Schaison G, et al. **Sem Hop Paris** 1981 Jun 18–25;57(25–28):1238–41 (14 ref.) (Eng. Abstr.) **(Fre)**

[Modern therapy of idiopathic thrombocytopenic purpura with special regard to splenectomy-resistant cases (author's transl)] Pawelski S. **Przegl Lek** 1981;38(2):273–6 **(Pol)**

[Indications and results of splenectomy in chronic idiopathic thrombocytopenic purpura (ITP) (study of 110 cases)] Coliță A, et al. **Rev Med Interna [Med Interna]** 1980 Nov-Dec;32(6):531–40 (Eng. Abstr.) **(Rum)**

PURPURA, THROMBOTIC THROMBOPENIC

Thrombotic thrombocytopenic purpura. Byrnes JJ. **Adv Intern Med** 1980;26:131–57 (128 ref.)

[Thrombotic thrombocytopenic purpura] Välimäki M, et al. **Duodecim** 1981;97(2):84–90 **(Fin)**

BLOOD

Effects of platelet inhibitors on the platelet aggregation induced by plasma from patients with thrombotic thrombocytopenic purpura. Lian EC, et al. **Blood** 1981 Aug;58(2):354–9

Prostacyclin and haemolytic, thrombocytopenic microangiopathy [letter] Jørgensen KA, et al. **Lancet** 1981 Sep 5;2(8245):530

Role of fibrinolysis in thrombotic thrombocytopenic purpura. Kwaan HC. **Semin Thromb Hemostas** 1980;6(4):395–400

The role of increased platelet aggregation in TTP. Lian EC. **Semin Thromb Hemostas** 1980;6(4):401–15 (107 ref.)

COMPLICATIONS

Giant lymph node hyperplasia associated with thrombotic thrombocytopenic purpura. Couch WD. **Am J Clin Pathol** 1980 Sep;74(3):340–4

The visual system in thrombotic thrombocytopenic purpura. Benson DO, et al. **Ann Ophthalmol** 1980 Apr;12(4):413–7

Thrombotic thrombocytopenic purpura associated with Bacteroides bacteremia [letter] Shalev O, et al. **Arch Intern Med** 1981 Apr;141(5):692

Thrombotic thrombocytopenic purpura in a girl with systemic lupus erythematosus. Oen K, et al. **J Rheumatol** 1980 Sep-Oct;7(5):727–9

Case report 124: pseudotumor of fibula secondary to thrombocytopenic purpura. Vilar J, et al. **Skeletal Radiol** 1980;5(3):197–9

[Thrombotic cerebrosplenic microangiopathies with exclusively neurologic manifestations in children] Lutz P, et al. **Pediatrie** 1980 Mar;35(2):143–7 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Thrombotic thrombocytopenic purpura: prolonged coma with recovery of neurologic function with intensive plasma exchange. Frankel AE, et al. **Am J Hematol** 1981 Jun; 10(4):387–90

Thrombotic thrombocytopenic purpura in pregnancy: a reappraisal. Thiagarajah S, et al. **Am J Obstet Gynecol** 1981 Sep 1;141(1):20–4

Thrombotic thrombocytopenic purpura: analysis of 48 unselected cases. Kennedy SS, et al. **Semin Thromb Hemostas** 1980;6(4):341–9

Thrombotic thrombocytopenic purpura: a thirty year review. Petitt RM. **Semin Thromb Hemostas** 1980;6(4):350–5

Clinical features of thrombotic thrombocytopenic purpura. Pisciotta AV, et al. **Semin Thromb Hemostas** 1980; 6(4):330–40

[Choriocapillaris occlusion in Moschowitz's disease (author's transl)] Coscas G, et al. **J Fr Ophtalmol** 1981;4(2):101–11 (39 ref.) (Eng. Abstr.) **(Fre)**

[Thrombocytopenic thrombotic purpura in adults. 10 cases (author's transl)] Vernant JP, et al. **Nouv Presse Med** 1980 Oct 11;9(37):2715–9 (Eng. Abstr.) **(Fre)**

[Idiopathic thrombocytopenic purpura] Ernst E. **MMW** 1981 May 29;123(22):56 **(Ger)**

DRUG THERAPY

Thrombotic thrombocytopenic purpura in a splenectomized patient with Hodgkin's disease. Crain SM, et al. **Am J Med Sci** 1980 Jul-Aug;280(1):35–40

Intravenous prostacyclin in thrombotic thrombocytopenic purpura. Fitzgerald GA, et al. **Ann Intern Med** 1981 Sep; 95(3):319–22

Prostacyclin therapy of thrombotic thrombocytopenic purpura [letter] Budd GT, et al. **Lancet** 1980 Oct 25; 2(8200):915

Rationale and proposal for use of prostacyclin in thrombotic thrombocytopenic purpura therapy. Cocchetto DM, et al. **Semin Thromb Hemostas** 1981 Winter;7(1):43–51

ETIOLOGY

Recurrent thrombotic thrombocytopenic purpura after viral infection. Clinical and histologic simulation of chronic glomerulonephritis. Wasserstein A, et al. **Arch Intern Med** 1981 Apr;141(5):685–7

Thrombotic thrombocytopenic purpura. A reappraisal. Crain SM, et al. **JAMA** 1981 Sep 11;246(11):1243–6

Accelerated prostacyclin degradation in the thrombotic thrombocytopenic purpura. Chen YC, et al. **Lancet** 1981 Aug 8;2(8241):267–9

[An autopsy case of thrombotic thrombocytopenic purpura (TTP) complicated with systemic lupus erythematosus (SLE)--demonstration of anti-platelet antibody (author's transl)] Tada T, et al. **Rinsho Ketsueki** 1980 Nov; 21(11):1773–80 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

Fatal thrombotic thrombocytopenic purpura in a patient with systemic lupus erythematosus. Relationship to circulating immune complexes. Cecere FA, et al. **Arthritis Rheum** 1981 Mar;24(3):550–3

Immunologic and other factors in thrombotic thrombocytopenic purpura (TTP). Neame PB. **Semin Thromb Hemostas** 1980;6(4):416–29 (100 ref.)

MORTALITY

Morbidity and mortality conference: thrombotic thrombocytopenic purpura. Farber HA, et al. **Va Med** 1981 Jun;108(6):405–9

PATHOLOGY

[Thrombotic thrombocytopenic purpura] Niederland V, et al. **Orv Hetil** 1980 May 25;121(21):1253–6 **(Hun)**

PHYSIOPATHOLOGY

A proposed comprehensive pathophysiology of thrombotic thrombocytopenic purpura with implicit novel tests and therapies. Nalbandian RM, et al. **Semin Thromb Hemostas** 1980;6(4):356–90 (314 ref.)

THERAPY

Plasma therapy for TTP [letter] Case DC Jr. **Blood** 1981 Aug;58(2):409

Thrombotic thrombocytopenic purpura with a subacute course: remission after steroids and high-dose plasma exchange. Kohn D, et al. **Isr J Med Sci** 1981 Apr; 17(4):283–5

Hemodialysis-exchange transfusion for treatment of thrombotic thrombocytopenic purpura. Rossi EC, et al. **JAMA** 1980 Sep 26;244(13):1466–8

Intensive plasma exchange in thrombotic thrombocytopenic purpura (TTP). Cooper MR, et al. **NC Med J** 1981 Jun; 42(6):403–4

Therapy of thrombotic thrombocytopenic purpura: an overview. Bukowski RM, et al. **Semin Thromb Hemostas** 1981 Winter;7(1):1–8 (91 ref.)

Plasma infusion in the treatment of thrombotic thrombocytopenic purpura. Byrnes JJ. **Semin Thromb Hemostas** 1981 Winter;7(1):9–14

Thrombotic thrombocytopenic purpura: experience with whole blood exchange transfusion. Gottschall JL, et al. **Semin Thromb Hemostas** 1981 Winter;7(1):25–32

Treatment of thrombotic thrombocytopenic purpura with combined exchange plasmapheresis and anti-platelet agents. Myers TJ. **Semin Thromb Hemostas** 1981 Winter; 7(1):37–42

The adaption of hemodialysis to facilitate rapid exchange transfusion in patients with thrombotic thrombocytopenic purpura (TTP). Rossi EC, et al. **Semin Thromb Hemostas** 1981 Winter;7(1):22–4

Plasma exchange transfusion. Taft EG, et al. **Semin Thromb Hemostas** 1981 Winter;7(1):15–21

Management of fulminating thrombotic thrombocytopenic purpura. Updike SJ, et al. **Semin Thromb Hemostas** 1981 Winter;7(1):33–6

A case of thrombotic thrombocytopaenic purpura surviving for four years. Sinnatamby AS, et al. **Singapore Med J** 1980 Aug;21(4):661–5

[Thrombotic thrombocytopenic purpura: report on 5 cases and current therapy concepts] Richner J, et al. **Schweiz Med Wochenschr** 1981 Mar 14;111(11):375–80 (Eng. Abstr.) **(Ger)**

[Use of exsanguinotransfusion in the treatment of thrombotic thrombocytopenic purpura (author's transl)] Alvim F, et al. **AMB** 1979 Dec;25(12):427–8 (Eng. Abstr.) **(Por)**

PUS see **SUPPURATION**

PUSTULANTS see **IRRITANTS**

PUTAMEN

ANATOMY & HISTOLOGY

Simultaneous fluorescent retrograde axonal tracing and immunofluorescent characterization of neurons. van der Kooy D, et al. **J Neurosci Res** 1980;5(6):479–84

Connections of the globus pallidus and putamen with the hypothalamus and subthalamus. L'vovich AI. **Neurosci Behav Physiol** 1980 Jul-Aug;10(4):285–90

BLOOD SUPPLY

Effects of methamphetamine on blood flow in the caudate-putamen after lesions of the nigrostriatal dopaminergic bundle in the rat. Lindvall O, et al. **Brain Res** 1981 Apr 27;211(1):211–6

CYTOLOGY

[Spiny neurons in the rat caudate-putamen complex] Danner H, et al. **J Hirnforsch** 1981;22(1):75–84 (Eng. Abstr.) **(Ger)**

METABOLISM

Benzodiazepine receptors: the effect of GABA on their characteristics in human brain and their alteration in Huntington's disease. Reisine TD, et al. **Brain Res** 1980 Oct 13;199(1):79–88

Selective retrograde labeling indicating the transmitter of neuronal pathways. Streit P. **J Comp Neurol** 1980 Jun; 191(3):429–63

Biochemical evidence for overlapping neocortical and allocortical glutamate projections to the nucleus accumbens and rostral caudatoputamen in the rat brain. Walaas I. **Neuroscience** 1981;6(3):399–405

PHYSIOLOGY

Vagal elicitation of respiratory-type and other unit responses in striopallidum of squirrel monkeys. Radna RJ, et al. **Brain Res** 1981 May 25;213(1):29–44

Glutamic acid decarboxylase (GAD) activity in the rat substantia nigra after discrete bilateral kainic acid-induced lesions of the caudate-putamen and globus pallidus: correlation with locomotor activity. Al-Shabibi UM, et al. **Brain Res** 1981 Jun 1;213(2):460–6

Effect of stimulation of the putamen on the substantia nigra in the cat. Yoshida M, et al. **Brain Res** 1981 Jul 27; 217(1):169–74

Neostriatal dopamine receptor loss and behavioral deficits in the senescent rat. Cubells JF, et al. **Life Sci** 1981 Mar 16;28(11):1215–8

Visual projections on neostriatum (caudate nucleus and putamen) and on claustrum in intact animals, on claustrum and amygdala in animals with bilaterally extirpated cortical visual areas. Sager O, et al. **Neurol Psychiatr (Bucur)** 1980 Jul-Sep;18(3):149–62

The influence of anterior neostriatal lesions on the behavioural effects of spiroperidol in rats. Lowery SP, et al. **Prog Neuropsychopharmacol** 1980;4(3):269–76

[Angiotensin II and nigostriatal system (author's transl)] Simonnet G, et al. **J Physiol (Paris)** 1981 Apr;77(1):71–9 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Fine structure and synaptic connections of the common spiny neuron of the rat neostriatum: a study employing intracellular inject of horseradish peroxidase. Wilson CJ, et al. **J Comp Neurol** 1980 Dec 1;194(3):599–615

[The dopaminergic innervation of neostriatum: a new possibility of radioautographic investigation (author's transl)] Descarries L, et al. **J Physiol (Paris)** 1981 Apr; 77(1):53–61 (Eng. Abstr.) **(Fre)**

PUTIDAREDOXIN see under **FERREDOXINS**

PUTRESCINE

ANALOGS & DERIVATIVES

Effects of monoparacoumarylputrescinium chloride on the hypersensitive reaction of Gomphrena globosa leaves to tomato bushy stunt virus. Pennazio S, et al. **Acta Virol (Praha)** 1981 Mar;25(2):115–21

A simple procedure for purification of N-carbamoylputrescine: application to assays of putrescine transcarbamoylase and agmatine iminohydrolase activities. Venugopal KS, et al. **Anal Biochem** 1980 May 15; 104(2):440–4

Effects of acetylated polyamines on ornithine decarboxylase in rat HTC cells. Canellakis ZN. **Biochem Biophys Res Commun** 1981 Jun 16;100(3):929–33

Determination of monoacetyldiamines and -polyamines in urine by high-performance liquid chromatography. Abdel-Monem MM, et al. **J Chromatogr** 1981 Mar 13; 222(3):363–70

ANALYSIS

Altered muscle polyamine levels in human neuromuscular diseases. Kaminska AM, et al. **Ann Neurol** 1981 Jun; 9(6):605–7

The increase in putrescine content in the gastric mucosa of rats with ulcerations induced by restraint-immersion stress. Onda M, et al. **Gastroenterol Jpn** 1981;16(1):1–8

Gas chromatographic determination of cadaverine, putrescine, and histamine in foods. Staruszkiewicz WF Jr, et al. **J Assoc Off Anal Chem** 1981 May;64(3):584–91

BIOSYNTHESIS

Biosynthesis and accumulation of cadaverine and putrescine in rat ovary after administration of human chorionic gonadotrophin. Andersson AC, et al. **Acta Endocrinol (Copenh)** 1980 Oct;95(2):237–43

Formation of acetylpolyamines and putrescine from spermidine by normal and transformed chick embryo fibroblasts. Bachrach U, et al. **Cancer Res** 1981 Mar; 41(3):1205–8

Formation of putrescine and acetylspermidine from spermidine by cultured human lymphocytes. Faber J, et al. **FEBS Lett** 1980 Nov 17;121(1):165–8

Properties of spermidine N-acetyltransferase from livers of rats treated with carbon tetrachloride and its role in the conversion of spermidine into putrescine. Matsui I, et al. **J Biol Chem** 1981 Mar 10;256(5):2454–9

BLOOD

A preliminary study of polyamines in the bone-marrow plasma of adult patients with leukemia. Nishioka K, et al. **Clin Chim Acta** 1980 Oct 23;107(1-2):59–66

Age-related abnormalities of circulating polyamines and diamine oxidase activity in cystic fibrosis heterozygotes and homozygotes. Baylin SB, et al. **Pediatr Res** 1980 Aug; 14(8):921–5

CEREBROSPINAL FLUID

CSF putrescine levels. The enzymatic-isotopic method vs liquid chromatography. Harik SI, et al. **Arch Neurol** 1981 Feb;38(2):91–4

DEFICIENCY

Polyamine deprivation-induced enhanced uptake of methylglyoxal bis(guanylhydrazone) by tumor cells. Seppänen P, et al. **Biochim Biophys Acta** 1981 May 5; 674(2):169–77

METABOLISM

Spermine, spermidine and putrescine in fungal development. Stevens L, et al. **Adv Microb Physiol** 1979;19:63–148 (412 ref.)

Putrescine metabolism and the study of diamine oxidase activity in vivo. Sourkes TL, et al. **Agents Actions** 1981 Apr;11(1-2):20–7 (55 ref.)

The importance of human intestinal diamine oxidase in the oxidation of histamine and/or putrescine. Biegański T, et al. **Arch Immunol Ther Exp (Warsz)** 1980;28(6):901–6

Oxidative deamination of 14C putrescine in mouse tissues in vivo. Fogel WA, et al. **Arch Immunol Ther Exp (Warsz)** 1980;28(6):907–10

delta'-Pyrroline: an intermediary metabolite in the conversion of putrescine to 2-pyrrolidone. Lundgren DW, et al. **Biochem Biophys Res Commun** 1980 Nov 28; 97(2):667–72

Intracellular putrescine and spermidine deprivation induces increased uptake of the natural polyamines and methylglyoxal bis(guanylhydrazone). Alhonen-Hongisto L, et al. **Biochem J** 1980 Dec 15;192(3):941–5

The accumulation of putrescine into slices of rat lung and brain and its relationship to the accumulation of paraquat. Smith LL, et al. **Biochem Pharmacol** 1981 May 15; 30(10):1053–8

Putrescine turnover in kidneys of testosterone-treated mice. Persson L. **Biochim Biophys Acta** 1981 May 5;674(2):204–11

Putrescine and the regulation of S-adenosyl-L-methionine decarboxylase in cultured mouse mammary gland. Sakai T, et al. **Biochim Biophys Acta** 1980 Aug 7;614(2):577–82

Failure of red blood cells to promote incorporation of amines into casein. Board PG. **Br J Haematol** 1980 Oct;46(2):315–7

Putrescine diffusion in cat brain and capillary permeability in rat brain: relation to CSF putrescine levels in brain tumor patients. Pierangelli E, et al. **Eur J Cancer** 1981 Feb; 17(2):143–7

Regulation of polyamine synthesis in relation to putrescine and spermidine pools in Neurospora crassa. Paulus TJ, et al. **J Bacteriol** 1981 Jan;145(1):14–20

Streptomycin resistance (rpsL) produces an absolute requirement for polyamines for growth of an Escherichia coli strain unable to synthesize putrescine and spermidine [delta(speA-speB) delta specC]. Tabor H, et al. **J Bacteriol** 1981 Aug;147(2):702–4

Axonal transport of putrescine and the polyamines. Ingoglia NA, et al. **Neurochem Res** 1980 Aug;5(8):913–4

On the role of GABA in vertebrate polyamine metabolism. Seiler N. **Physiol Chem Phys** 1980;12(5):411–29 (95 ref.)

PHARMACODYNAMICS

Posttranslational modification of ornithine decarboxylase by its product putrescine. Russell DH. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1167–72

Activation of mammalian DNA ligase by polyamines. Teraoka H, et al. **Biochem Biophys Res Commun** 1980 Jul 31;95(2):638–43

Studies with cis-diamminedichloro-platinum II and exogenous polyamines using mammalian cells in culture. Roizin-Towle L. **Br J Cancer** 1981 Mar;43(3):378–83

Topical spermine and putrescine stimulated DNA synthesis in the hairless mouse epidermis. Gange RW, et al. **Br J Dermatol** 1980 Jul;103(1):27–32

Inhibition by putrescine of the induction of epidermal ornithine decarboxylase activity and tumor promotion caused by 12-O-tetradecanoylphorbol-13-acetate. Weekes RG, et al. **Cancer Res** 1980 Nov;40(11):4013–8

Effect of biologically occurring (poly) cationic compounds

on some of the pancreatic activities. Singh C, et al. **Indian J Exp Biol** 1980 Aug;18(8):899–901

The effects of polyamines on the cyclic AMP efflux and metabolism in E. coli B cells. Illiano G, et al. **Int J Biochem** 1981;13(6):701–5

Putrescine administration reduces the rate of DNA synthesis in Ehrlich ascites tumor cells in vivo. Linden M, et al. **Int J Biochem** 1980;12(3):387–93

Effect of Mg2+ concentration, polyamines, streptomycin, and mutations in ribosomal proteins on the accuracy of the two-step selection of aminoacyl-tRNAs in protein biosynthesis. Thompson RC, et al. **J Biol Chem** 1981 Jul 10;256(13):6676–81

The effect of polyamines on herpes simplex virus type 1 DNA polymerase purified from infected baby hamster kidney cells (BHK–21/C13). Wallace HM, et al. **J Gen Virol** 1980 Aug;49(2):397–400

URINE

Urinary polyamines in cancer. Sadananda B, et al. **Indian J Cancer** 1980 Dec;17(4):220–5

Polyamines as biological markers of the effectiveness of therapy in acute leukemia. Romano M, et al. **Tumori** 1980 Dec 31;66(6):677–87

PUVA THERAPY see under **PHOTOCHEMOTHERAPY**

PYELITIS

DIAGNOSIS

Pyeloureteritis cystica. Askari A, et al. **Urology** 1980 Oct; 16(4):398–9

[Differential diagnosis of pyeloureteritis cystica, follicularis et granularis] Hoffmann L, et al. **Z Urol Nephrol** 1980; 73(8):615–24 (Eng. Abstr.) **(Ger)**

ETIOLOGY

[Pathogenetic significance of the passage of microorganisms into the upper urinary tract in female patients with recurring, nonobstructive urinary tract infections. II. Pyelitis] Köllermann MW, et al. **Z Urol Nephrol** 1980; 73(7):485–94 (Eng. Abstr.) **(Ger)**

PYELOCYSTITIS

RADIOGRAPHY

Large lucency in lower abdomen. **NY State J Med** 1981 Feb; 81(2):208

PYELONEPHRITIS

see related
KIDNEY FAILURE, CHRONIC

Emphysematous pyelonephritis in a solitary kidney. DePauw AP, et al. **J Urol** 1981 May;125(5):734–6

[Pyelonephritis. Definition, etiology, diagnosis and therapy (author's transl)] Lison AE, et al. **Urologe [Ausg A]** 1981 Jan;20(1):19–24 (47 ref.) (Eng. Abstr.) **(Ger)**

[Risk of bacterial infection of the fetus in pregnant women with pyelonephritis] Ankirskaia AS, et al. **Akush Ginekol (Mosk)** 1980 Aug;(8):32–5 (Eng. Abstr.) **(Rus)**

BLOOD

Method for predicting when children with progressive renal disease may reach high serum creatinine levels. Arbus GS, et al. **Pediatrics** 1981 Jun;67(6):871–3

COMPLICATIONS

Renojejunal fistula caused by xanthogranulomatous pyelonephritis. Bianchi G, et al. **Br J Urol** 1980 Feb; 52(1):66

Xanthogranulomatous pyelonephritis associated with renal carcinoma. Schoborg TW, et al. **J Urol** 1980 Jul; 124(1):125–27

Xanthogranulomatous pyelonephritis presenting with unilateral renal vein thrombosis. Akintewe TA, et al. **Postgrad Med J** 1980 Apr;56(654):280–1

[Susceptibility for infections in patients with chronic polyarthritis] Rainer F, et al. **Z Rheumatol** 1980 May–Jun; 39(5–6):133–40 (Eng. Abstr.) **(Ger)**

[Causes of urodynamic disorders of the upper urinary tracts in acute pyelonephritis in pregnant women] Shabad AL, et al. **Urol Nefrol (Mosk)** 1980 Sep–Oct;(5):7–14 (Eng. Abstr.) **(Rus)**

[Bacteremic shock in acute pyelonephritis] Vozianov AF. **Vrach Delo** 1981 May;(5):47–50 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

The efficacy of the nitrite test and microscopic urinalysis in predicting urine culture results. Lenke RR, et al. **Am J Obstet Gynecol** 1981 Jun 15;140(4):427–9

Xanthogranulomatous pyelonephritis. Puvaneswary M, et al. **Australas Radiol** 1980 Nov;24(3):298–302

Bilateral xanthogranulomatous pyelonephritis. Smith FR. **Br J Urol** 1981 Feb;53(1):81

Xanthogranulomatous pyelonephritis: a report of 40 cases. McCormack T, et al. **Ir Med J** 1980 Nov;73(11):415–7

Emphysematous pyelonephritis in a solitary kidney. Godec CJ, et al. **J Urol** 1980 Jul;124(1):119–21

Xanthogranulomatous pyelonephritis: segmental or generalized disease. Tolia BM, et al. **J Urol** 1980 Jul; 124(1):122–4

Emphysematous pyelonephritis: a report of two cases. Neviackas JA, et al. **Mo Med** 1981 Apr;78(4):196–8

[Xanthogranulomatous pyelonephritis. Report of eleven cases (author's transl)] Skouteris M, et al. **Sem Hop Paris** 1981 Jun 8–15;57(21–24):1101–6 (Eng. Abstr.) **(Fre)**

[Prognostic significance of renal acidification disorders in children with acute pyelonephritis] Szelid Z. **Kinderaerztl Prax** 1981 Apr;49(4):212–7 (Eng. Abstr.) **(Ger)**

[Prognosis of chronic pyelonephritis] Sosna J, et al. **Lebensversicherungsmedizin** 1980 May;32(3):65–70 (Eng. Abstr.) **(Ger)**

[The diagnosis of chronic pyelonephritis in internal medicine] Ghiringhelli L, et al. **Minerva Med** 1981 May 7; 72(18):1131–8 (70 ref.) (Eng. Abstr.) **(Ita)**

[Clinical picture and serological reactions in acute and chronic exacerbated pyelonephritis] Spineter–Sokołowska E. **Pol Tyg Lek** 1980 Sep 1;35(35):1329–32 **(Pol)**

[Current status of chronic pyelonephritis] Ciocan A. **Rev Med Interna [Med Interna]** 1980 Jul–Aug; 32(4):289–300 (42 ref.) **(Rum)**

[Diagnostic potentials of ultrasonic scanning in acute pyelonephritis during pregnancy] Shabad AL, et al. **Akush Ginekol (Mosk)** 1981 Mar;(3):51–3 (Eng. Abstr.) **(Rus)**

[Xanthogranulomatous pyelonephritis] Chernova AS, et al. **Klin Med (Mosk)** 1981 Jan;59(1):89–91 **(Rus)**

[Palpation symptom of acute pyelonephritis] Pytel' IuA. **Sov Med** 1980;(9):62–5 **(Rus)**

[Diagnosis and treatment of xanthogranulomatous pyelonephritis] Pytel' AIa. **Urol Nefrol (Mosk)** 1981; (3):52–5 (Eng. Abstr.) **(Rus)**

[Mechanisms of the change in the spectrum of lactate dehydrogenase isoenzymatic activity in acute pyelonephritis] Shepotinovskiĭ VI, et al. **Urol Nefrol (Mosk)** 1981 Jul–Aug;(4):54–7 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Netilmicin therapy of serious renal and urinary tract infections in patients with normal and impaired renal function. Denneberg T, et al. **Scand J Infect Dis [Suppl]** 1980;Suppl 23:135–40

Cefamandole alone and combined with gentamicin or tobramycin in the treatment of acute pyelonephritis. Gentry LO, et al. **Scand J Infect Dis [Suppl]** 1980;suppl 25:96–100

[Therapy of chronic pyelonephritis] Schulz W. **Dtsch Med Wochenschr** 1980 Aug 22;105(34):1170–1 **(Ger)**

[Animal studies on ribostamycin (author's transl)] Marre R, et al. **Immun Infekt** 1981 Apr;9(2):66–71 (Eng. Abstr.) **(Ger)**

[Influence of cefaclor on experimental pyelonephritis (author's transl)] Ritzerfeld W. **Infection** 1979;7(6):615–6 (Eng. Abstr.) **(Ger)**

[Long-term therapy of chronic recurring pyelonephritis with Sterinor in various dosages] Ebbinghaus KD. **Med Welt** 1981 Jan 9;32(2):63–7 **(Ger)**

[Diagnosis and therapy of acute and chronic pyelonephritis] Precht K. **Z Aerztl Fortbild (Jena)** 1981 Jan 15;75(2):50–2 **(Ger)**

[Radionuclide and radiographic studies for the evaluation of results of short and long-term therapy in experimental dog pyelonephritis] Rebmann U, et al. **Z Urol Nephrol** 1980 Nov;73(11):785–90 (Eng. Abstr.) **(Ger)**

[Management for simple acute urinary tract infection (author's transl)] Nishio A. **Hokkaido Igaku Zasshi** 1980 Jul;55(4):309–13 **(Jpn)**

[Effectiveness of antibiotic therapy in pyelonephritis after kidney transplantation] Vasina TA, et al. **Antibiotiki** 1981 Apr;26(4):311–5 (Eng. Abstr.) **(Rus)**

[Experimental aspects of the therapeutic action of urokinase in thromboembolic states] Danilenko MV, et al. **Biull Eksp Biol Med** 1981 Mar;91(3):293–5 (Eng. Abstr.) **(Rus)**

[Use of decaris in chronic pyelonephritis] Glezer GA, et al. **Sov Med** 1981;(2):85–7 **(Rus)**

[Treatment with nitroxolin of inflammatory diseases of the urogenital organs] Sukhodol'skaia AE, et al. **Vrach Delo** 1980 Aug;(8):38–9 **(Rus)**

ENZYMOLOGY

Citrate-synthase activities in the renal tissue during experimental and chronic human pyelonephritis. Philippson C. **Exp Pathol** 1981;19(3):193–7

[Serum and urine lysozyme in chronic pyelonephritis and chronic glomerulonephritis] Klein U, et al. **Z Urol Nephrol** 1981 May;74(5):375–84 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Pyelonephritis associated with Legionella pneumophila, serogroup 4. Dorman SA, et al. **Ann Intern Med** 1980 Dec; 93(6):835–7

Cryptococcal pyelonephritis and disseminated cryptococcosis in a renal transplant recipient. Hellman RN, et al. **Arch Intern Med** 1981 Jan;141(1):128–30

The effect of splenectomy on the development of experimental pyelonephritis. Güngör M, et al. **Experientia** 1981 Apr 15;37(4):387–9

Interstitial nephritis and pyelonephritis: current concepts. Goldberg M. **Med Times** 1981 Feb;109(2):75–6, 81–2

Emphysematous pyelonephritis: report of two cases and review of literatures. Yasumoto R, et al. **Osaka City Med J** 1980;26(1):73–80

Mycotic urinary tract infection in pyelonephritic patients. Kraatz G, et al. **Proc Eur Dial Transplant Assoc** 1980; 17:678–80

[Acute pyelonephritis following cardiac catheterization (author's transl)] Neuenschwander S, et al. **Ann Pediatr (Paris)** 1981 Jan;28(1):49–50 (Eng. Abstr.) **(Fre)**

[Chronic pyelonephritis in adults (author's transl)] Sieberth HG. **Infection** 1979;7(6):570–2 (Eng. Abstr.) **(Ger)**

[Pyelonephritis in pregnancy] Kremling H. **Med Klin** 1981 Jul 3;76(14):392–4 (20 ref.) **(Ger)**

[Malignant non-Hodgkin's lymphoma of the kidney and the para-aortal lymph nodes as cause of a silent kidney with kidney pelvis calculi and pyonephrosis] Horn G, et al. **Z Urol Nephrol** 1981 Jan;74(1):57–9 **(Ger)**

[Significance of viral infection in pyelonephritis in children] Zernov NG, et al. **Pediatriia** 1981 Apr;(4):27–8 **(Rus)**

[Acute pyelonephritis of the transplanted kidney] Lopatkin NA, et al. **Urol Nefrol (Mosk)** 1981 Mar–Apr;(2):3–8 (Eng. Abstr.) **(Rus)**

[Pathogenesis of pyelonephritis in pregnant women and n puerperium] Pytel'IuA, et al. **Urol Nefrol (Mosk)** 1981 Jul–Aug;(4):47–54 (Eng. Abstr.) **(Rus)**

[Bacteriuria, urinary infection and pyelonephritis. Part IV (author's transl)] Vivaldi E, et al. **Rev Med Chil** 1979 Dec; 107(12):1128–34 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Autoantibodies to Tamm–Horsfall glycoprotein in children with renal damage associated with urinary tract infections. Fasth A, et al. **Acta Paediatr Scand** 1980 Nov;69(6):709–15

Immunoglobulin classes of urinary and serum antibodies in mycoplasmal pyelonephritis. Ernø H, et al. **Acta Pathol Microbiol Scand [C]** 1980 Aug;88(4):237–40

Measurements of nonspecific humoral immune parameters in patients with chronic pyelonephritis. Stein G, et al. **Clin Nephrol** 1981 Apr;15(4):185–93

Local immune response to Escherichia coli pili in experimental pyelonephritis. Smith JW, et al. **Infect Immun** 1981 Jan;31(1):17–20

Suppressor cell regulation of cell-mediated immune responses in renal infection in vitro modulation of suppressor cell activity. Miller T, et al. **J Clin Invest** 1980 Oct;66(4):621–8

Role of suppressor cells in experimental pyelonephritis. Smith JW. **J Infect Dis** 1980 Aug;142(2):199–204

Antibody-coating of bacteria in the urine in relation to various immunologic indexes. Budde E, et al. **Kidney Int** 1981 Jan;19(1):65–9

Immunology of pyelonephritis in the primate model: live versus heat-killed bacteria. Roberts JA, et al. **Kidney Int** 1981 Feb;19(2):297–305

[Antibody-binding bacteria in the urine in infantile pyelonephritis] Naumann G, et al. **Paediatr Grenzgeb** 1981; 20(1–2):35–43 (Eng. Abstr.) **(Ger)**

[Immunological studies on pyelonephritis — in vitro phagocytosis of Proteus mirabilis by rat peritoneal macrophages (author's transl)] Hirano M. **Nippon Hinyokika Gakkai Zasshi** 1980 Dec;71(12):1500–14 (Eng. Abstr.) **(Jpn)**

[Immunological aspects of pyelonephritis] Spineter–Sokołowska E, et al. **Pol Tyg Lek** 1980 Jun 30; 35(26):955–8 (21 ref.) **(Pol)**

[Clinical importance of the vivo and in vitro study of cellular immunity indices in pyelonephritis in children] Tebloeva LT, et al. **Pediatriia** 1981 Apr;(4):28–30 (Eng. Abstr.) **(Rus)**

[Cellular and humoral immune reactions in pyelonephritis in children] Vashev EA. **Pediatriia** 1980 Oct;(10):31–5 **(Rus)**

[Immunopathological aspects of pyelonephritis in children] Zernov NG, et al. **Urol Nefrol (Mosk)** 1981 Mar–Apr; (2):60–6 (107 ref.) **(Rus)**

[Humoral immunity indices in pyelonephritis in children] Zernov NG, et al. **Vopr Okhr Materin Det** 1980 Jul; 25(7):41–3 (Eng. Abstr.) **(Rus)**

[State of humoral and cellular immunity in chronic pyelonephritis] Dziak VN, et al. **Vrach Delo** 1981 Feb; (2):3–7 (Eng. Abstr.) **(Rus)**

[Effect of various hormones and indomethacin on nonspecific protective factors of the leukocytes in pyelonephritis] Ukhal' MI, et al. **Vrach Delo** 1981 Jan;(1):35–8 (Eng. Abstr.) **(Rus)**

METABOLISM

[Osmoregulation in pyelonephritis] Takahashi S, et al. **Nippon Rinsho** 1980 Aug;38(8):2949–52 **(Jpn)**

MICROBIOLOGY

Experimental pyelonephritis in mice following ascending infection with C. coli. Acute phase. Tanaka N, et al. **Acta Pathol Jpn** 1981 Mar;31(2):179–87

Experimental acute pyelonephritis in grivet monkeys, provoked by Staphylococcus saprophyticus. Mårdh PA, et al. **Acta Pathol Microbiol Scand [B]** 1980 Aug; 88(4):225–30

Bladder versus renal bacteriuria during pregnancy: recurrence after treatment. Leveno KJ, et al. **Am J Obstet Gynecol** 1981 Feb 15;139(4):403–6

Virulence of Escherichia coli in acute pyelonephritis, acute cystitis and asymptomatic bacteriuria. van den Bosch JF, et al. **Antonie Van Leeuwenhoek** 1980;46(4):321–9

Identification of a carbohydrate receptor recognized by uropathogenic Escherichia coli. Källenius G, et al. **Infection** 1980;8 Suppl 3:288–93

Bacteria-specific antibody in the urine of patients with acute pyelonephritis and cystitis. Ratner JJ, et al. **J Infect Dis** 1981 Mar;143(3):404–12

Study of antibody-coated fungi in patients with funguria and suspected disseminated fungal infections or primary fungal pyelonephritis. Hall WJ. **J R Soc Med** 1980 Aug; 73(8):567–9

[Microbiological aspects of human pyelonephritis] Naumann G, et al. **Z Gesamte Inn Med** 1980 Jul 15;35(14):30–2 (Eng. Abstr.) **(Ger)**

[Microbial flora sensitivity to antibacterial agents in chronic pyelonephritis patients who have had acute kidney failure] Shkrob OS, et al. **Antibiotiki** 1981 Mar;26(3):140–2 (Eng. Abstr.) **(Rus)**

MORTALITY

[Incidence and the degree of cardiovascular changes and causes of death in 717 patient who died of chronic pyelonephritis with and without arterial hypertension] Stefanov G, et al. **Vutr Boles** 1981;20(2):74–81 (Eng. Abstr.) **(Bul)**

OCCURRENCE

Acute pyelonephritis in pregnancy: an anterospective study. Gilstrap LC 3d, et al. **Obstet Gynecol** 1981 Apr; 57(4):409–13

PATHOLOGY

Experimental pyelonephritis in mice following ascending infection with E. coli. Chronic phase. Tanaka N, et al. **Acta Pathol Jpn** 1981 Mar;31(2):189–98

Megalocytic interstitial nephritis, xanthogranulomatous pyelonephritis, and malakoplakia. An ultrastructural comparison. Kelly DR, et al. **Am J Clin Pathol** 1981 Mar; 75(3):333–44

Mechanisms of renal tissue destruction in an experimental acute pyelonephritis. Shimamura T. **Exp Mol Pathol** 1981 Feb;34(1):34–42

Xanthogranulomatous pyelonephritis in a child. A case report. Devi KR, et al. **Indian J Pathol Microbiol** 1980 Jan;23(1):35–7

Xanthogranulomatous pyelonephritis. McDonald GS. **J Pathol** 1981 Mar;133(3):203–13

Xanthogranulomatous pyelonephritis in childhood. Izzidien AY, et al. **J Pediatr Surg** 1980 Oct;15(5):686–9

Xanthogranulomatous pyelonephritis. Lorentzen M, et al. **Scand J Urol Nephrol** 1980;14(2):193–200

[Xanthogranulomatous pyelonephritis] Taudorf E, et al. **Ugeskr Laeger** 1980 Nov 10;142(46):3054–5 (Eng. Abstr.) **(Dan)**

[Chronic pyelonephritis from a clinical viewpoint] Precht K, et al. **Z Gesamte Inn Med** 1980 Jul 15;35(14):27–30 (20 ref.) (Eng. Abstr.) **(Ger)**

[State of the glomerular apparatus in pyelonephritis] Kanatbaeva AB. **Urol Nefrol (Mosk)** 1980 Nov-Dec; (6):60–2 (50 ref.) **(Rus)**

PHYSIOPATHOLOGY

The hydrodynamics of pyelorenal reflux. II. The effect of chronic obstructive changes on papillary shape. Roberts JA, et al. **Invest Urol** 1981 Jan;18(4):296–301

[Liver function in acute urinary tract infection] Szelid Z. **Acta Paediatr Acad Sci Hung** 1980;21(1):57–64 (Eng. Abstr.) **(Ger)**

[Kidney function in arterial hypertension due to an occlusive lesion of the renal artery and pyelonephritis] Boiadzhian PP, et al. **Klin Med (Mosk)** 1981 Mar;59(3):85–9 (Eng. Abstr.) **(Rus)**

[Syndrome of malignant arterial hypertension in unilateral kidney diseases] Arabidze GG, et al. **Ter Arkh** 1980; 52(10):114–6 (Eng. Abstr.) **(Rus)**

[Dilution function and natriuresis in chronic pyelonephritis] Larionova TA, et al. **Urol Nefrol (Mosk)** 1981;(3):56–60 **(Rus)**

PREVENTION & CONTROL

Prevention of acute and chronic ascending pyelonephritis in rats by aminoglycoside antibiotics accumulated and persistent in kidneys. Bille J, et al. **Antimicrob Agents Chemother** 1981 Mar;19(3):381–5

Effect of active and passive immunization on the development of experimental Pseudomonas aeruginosa pyelonephritis in mice. Petit JC, et al. **Can J Microbiol** 1981 Jan;27(1):93–7

Prophylaxis of pyelonephritis by aminoglycosides accumulated in the kidney. Bille J, et al. **J Antimicrob Chemother** 1981 Jul;8 Suppl A:115–9

Protective effect of immunization with Salmonella minnesota Re 595 against ascending Escherichia coli O6K13H1 pyelonephritis in rats. Larsson P, et al. **Scand J Infect Dis [Suppl]** 1980;Suppl 24:220–3

[Protection against ascending pyelonephritis by means of preventive aminoglucoside administration] Bille J, et al. **Schweiz Med Wochenschr** 1980 Dec 6;110(49):1886–7 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Correlation of postpartum intravenous pyelograms with clinical localization of antepartum pyelonephritis. Harris RE. **Am J Obstet Gynecol** 1981 Sep 1;141(1):105–6

Current cases & concepts: xanthogranulomatous pyelonephritis. Chow KC, et al. **CT** 1979 Jun;3(2):104–8

Emphysematous pyelonephritis: optimal diagnosis and treatment. Lautin EM, et al. **Urol Radiol** 1979;1(2):93–6

Renal clubbing and scarring in adults: a retrospective study of 110 cases. Moreau JF, et al. **Urol Radiol** 1979–80; 1(3):129–36

[Vascular impression in the renal calices and pyelonephritis (Fraley syndrome)] Anastasov G. **Vutr Boles** 1980; 19(6):87–92 (Eng. Abstr.) **(Bul)**

[Nephrological x-ray diagnosis in children with healthy kidneys and pyelonephritis, respectively. II. Communication: nephrometric x-ray diagnosis of children with pyelonephritis (author's transl)] Nitz I, et al. **Radiol Diagn (Berl)** 1980;21(4):488–94 (Eng. Abstr.) **(Ger)**

[The prevalence of hypertension in patients with roentgenologic signs of pyelonephritis in intravenous pyelography] Meyer P, et al. **Schweiz Med Wochenschr** 1981 Apr 4;111(14):482–7 (Eng. Abstr.) **(Ger)**

[Radiological diagnosis of pyelonephritis] Schwarz F, et al. **Z Gesamte Inn Med** 1980 Aug 1;35(15):Suppl 33–4 (Eng. Abstr.) **(Ger)**

[Xanthogranulomatous pyelonephritis: a study of 11 cases] Loutayf Ranea JJ, et al. **Rev Clin Esp** 1981 May 15; 161(3):161–6 (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

The detection of pyelonephritic scarring in children by radioisotope imaging. Merrick MV, et al. **Br J Radiol** 1980 Jun;53(630):544–56

[Nuclear medicine examination of kidney function in pyelonephritis gravidarum] Voigt R, et al. **Radiobiol Radiother (Berl)** 1980;21(4):516–24 (Eng. Abstr.) **(Ger)**

SURGERY

Xanthogranulomatous pyelonephritis in childhood. Molle P, et al. **J R Coll Surg Edinb** 1980 Nov;25(6):473–6

THERAPY

[Achievements and prospects of immunotherapy in urinary tract infection and pyelonephritis in children] Zernov NG, et al. **Pediatriia** 1981 Mar;(3):63–6 (44 ref.) **(Rus)**

[Effectiveness of treating children with pyelonephritis at Zheleznovodsk] Korovina NA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1980 Jul–Aug; (4):46–50 (Eng. Abstr.) **(Rus)**

URINE

Lactic acid in urine of children with lower and upper urinary tract infection and renal obstruction. Brook I, et al. **Am J Clin Pathol** 1981 Jan;75(1):110–3

[Bacteriologic study of the urine of pyelonephritis patients following administration of saluretics] Pytel' IuA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Mar;(3):105–11 (Eng. Abstr.) **(Rus)**

VETERINARY

Scanning electron microscopy of experimentally induced pyelonephritis in the rat. Appleton JA, et al. **Am J Vet Res** 1981 Feb;42(2):351–5

Equine pyelonephritis and unilateral nephrectomy. Irwin DH, et al. **J S Afr Vet Assoc** 1980 Dec;51(4):235–6

[Cystitis and pyelonephritis in sows (author's transl)] Jones JE. **DTW** 1980 Dec 5;87(12):443–5 (Eng. Abstr.) **(Ger)**

PYELONEPHRITIS, ACUTE NECROTIZING see **KIDNEY PAPILLARY NECROSIS**

PYGATHRIX see **CERCOPITHECIDAE**

PYKNOLEPSY see **EPILEPSY, PETIT MAL**

PYLORIC ANTRUM

Endoscopic diagnosis of amyloidosis. Coughlin GP, et al. **Gastrointest Endosc** 1980 Nov;26(4):154–5

Mucosal diaphragms of the gastric antrum in adults. Haddad V, et al. **Surg Gynecol Obstet** 1981 Feb;152(2):227–33 (65 ref.)

[Non-specific duodenitis and antritis] Radzikowski A, et al. **Pediatr Pol** 1980 Sep;55(9):1057–63 (Eng. Abstr.) **(Pol)**

[Differential diagnosis of malignant and benign malformations of the gastric antrum] Poliak EZ. **Klin Khir** 1981;(5):41–3 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

[Incomplete prepyloric antral membrane in the newborn] Grunebaum M, et al. **Harefuah** 1980 Sep;99(5–6):116–7 (Eng. Abstr.) **(Heb)**

ANALYSIS

Corticotropin-like substances in human gastric antrum and pancreas. Feurle GE, et al. **Biochem Biophys Res Commun** 1980 Aug 29;95(4):1656–62

Subcellular fractionation studies of human gastric antrum: localization of the mucosal peptide hormones. Dawson J, et al. **Clin Sci** 1980 Jul;59(1):1–6

Unlabeled antibody peroxidase-antiperoxidase method combined with direct immunofluorescence. Valnes K, et al. **J Histochem Cytochem** 1981 Jun;29(6):703–11

ANATOMY & HISTOLOGY

Estimation of the volume of human antral mucosa by measuring the antral length along the lesser and greater curvature. Nielsen HO. **Acta Pathol Microbiol Scand [A]** 1980 Nov;88A(6):417–9

Sequential use of the PAP and immunogold staining method for the light microscopical double staining of tissue antigens. Gu J, et al. **Regul Pept** 1981 Mar;1(6):365–74

CYTOLOGY

Quantitative studies of the gastrin-producing cells of the human antrum. A methodological study. Nielsen HO, et al. **Acta Pathol Microbiol Scand [A]** 1980 Jul;88(4):255–61

The anatomy of the gastrin cell. Mortensen NJ. **Ann R Coll Surg Engl** 1980 Nov;62(6):462–9

Tritiated thymidine autoradiographic study on origin and renewal of gastrin cells in antral area of hamsters. Fujimoto S, et al. **Gastroenterology** 1980 Nov;79(5 Pt 1):785–91

The effect of vagotomy on the distribution of sulphomucin-containing cells in the rat pyloric antrum. Kirkpatrick CJ. **J Anat** 1980 Oct;131(3):429–39

The relationship of lumenal pH and distention to antral G-cell numbers. Magallanes F, et al. **J Surg Res** 1981 Apr; 30(4):349–53

DRUG EFFECTS

Role of calcium in antral gastrin release. Harty RF, et al. **Gastroenterology** 1981 Mar;80(3):491–7

Experimental ulceration of rabbit antral mucosa. Kivilaakso E, et al. **Gastroenterology** 1981 Jan;80(1):77–83

Indomethacin produces gastric antral ulcers in the refed rat. Satoh H, et al. **Gastroenterology** 1981 Oct;81(4):719–25

[Preliminary findings on the effects of a new antispastic drug (N-diethyl-methyl-ammonium ethyl bromide P-[2-(N-octyloxy)-benzoyl]-aminobenzoate) on the motor activity of the human gastric antrum] Baldi F, et al. **Clin Ter** 1980 Jul 31;94(2):159–63 (Eng. Abstr.) **(Ita)**

INNERVATION

Innervation of rat antral gastrin-producing cells. Lechago J, et al. **Anat Rec** 1981 Jul;200(3):309–13

Gastro-gastric excitatory motor reflex in the dog. Mizonishi T. **Jpn J Physiol** 1980;30(5):795–8

Site of alpha blockade in the demonstration of nonvagally mediated gastric acid secretion. Martin JS, et al. **Surg Gynecol Obstet** 1981 Feb;152(2):137–40

[Role of antral branches of the vagus nerve in regulating gastric secretion] Matrosova EM, et al. **Fiziol Zh SSSR** 1981 Mar;67(3):418–22 (Eng. Abstr.) **(Rus)**

PATHOLOGY

The antral gastrin-producing cells in duodenal ulcer patients. A density study before and during treatment with cimetidine. Nielsen HO, et al. **Acta Pathol Microbiol Scand [A]** 1980 Nov;88A(6):383–6

Serum pepsinogen I and gastrin in relation to extent and location of intestinal metaplasia in the surgically resected stomach. Stemmermann GN, et al. **Dig Dis Sci** 1980 Sep; 25(9):680–7

[Antral gastrin cells in chronic gastritis (author's transl)] Dupas JL, et al. **Gastroenterol Clin Biol** 1980 Oct; 4(10):681–5 (Eng. Abstr.) **(Fre)**

[The Zollinger-Ellison syndrome, the antral G cells hyperplasia and hypersensitivity don't overlap each case of peptic ulcer with high serum gastrin levels (author's transl)] Rigaud D, et al. **Gastroenterol Clin Biol** 1981 Jun-Jul;5(6-7):632–9 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Gastric emptying of ordinary food: effect of antrum on particle size. Meyer JH. **Am J Physiol** 1980 Sep; 239(3):G133–5 (21 ref.)

Role of the small intestine and gastric antrum in pancreatic polypeptide release. Taylor IL, et al. **Am J Physiol** 1981 May;240(5):G387–91

Neurohumoral inhibitory mechanism initiated by antral distension. Yamagishi T, et al. **Ann Surg** 1981 Mar; 193(3):324–30

A study of the effect of antral distension on gastric acid secretion in man. Schöön IM, et al. **Digestion** 1981; 21(2):57–64

The role of the antrum in the modulation of plasma pancreatic polypeptide levels. Modlin IM, et al. **J Surg Res** 1981 Mar;

30(3):269–74

Somatostatin – the long lost antral chalone. Thomas WE. **Med Hypotheses** 1980 Sep;6(9):919–27 (46 ref.)

The effects of beta-adrenergic receptor blockade on the inhibition of gastric acid secretion, and the release of pancreatic polypeptide by antral distension in healthy subjects. Schöön IM, et al. **Scand J Gastroenterol** 1980; 15(5):601–7

The effect of antral distension on the endocrine pancreas in man. Schöön IM, et al. **Scand J Gastroenterol** 1980; 15(7):811–6

[Cimetidine in experimental gastric ulcers induced by pyloric ligation] Loscalzo B, et al. **Boll Soc Ital Biol Sper** 1981 Jan 15;57(1):80–5 **(Ita)**

[Motor coordination of the gastro-duodenal junction in the dog] Marzio L, et al. **Boll Soc Ital Biol Sper** 1980 Jan 30; 56(2):126–32 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Biochemical and energetic gradients in the mucosa of stomach and duodenum of patients with antral ulcer. Mózsik G, et al. **Acta Med Acad Sci Hung** 1979; 36(4):449–57

The effects of antral distension on gastric acid secretion and on gastrointestinal hormones in man. Schöön IM. **Acta Physiol Scand [Suppl]** 1980;suppl 482:1–33

'Antral dysmotility'. An unrecognized cause of chronic vomiting during infancy. Byrne WJ, et al. **Ann Surg** 1981 Apr;193(4):521–4

Neuromuscular tissue defects and antropyloric dysfunction in peptic ulcer. Liebermann-Meffert D, et al. **Scand J Gastroenterol [Suppl]** 1981;67:111–3

Gastric hypermotility and antropyloric dysfunction in gastric ulcer patients. Liebermann-Meffert D, et al. **Scand J Gastroenterol [Suppl]** 1981;67:5–7

[Functional state of the gastrin-producing cells in duodenal ulcer patients] Kanareĭtseva TD, et al. **Arkh Patol** 1980; 42(11):49–54 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

[Double-contrast examination of the gastric antrum without duodenal superposition (author's transl)] Treugut H, et al. **Radiologe** 1980 Nov;20(11):543–8 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

[A case report of retained antrum syndrome diagnosed by 99mTc-pertechnetate scintigraphy (author's transl)] Sugawara S, et al. **Rinsho Hoshasen** 1980 Sep 25; 25(9):943–6 (Eng. Abstr.) **(Jpn)**

SECRETION

Luminal secretion of gut peptides. Uvnäs-Wallensten K. **Clin Gastroenterol** 1980 Sep;9(3):545–53 (36 ref.)

Somatostatin inhibition of basal and carbachol-stimulated gastrin release in rat antral organ culture. Harty RF, et al. **Gastroenterology** 1981 Oct;81(4):707–12

[Effect of a gastrin agonist isolated from antral mucosa on gastric secretion (author's transl)] Vatier J, et al. **J Physiol (Paris)** 1980;76(1):29–37 (Eng. Abstr.) **(Fre)**

SURGERY

The insulin test and recurrence of ulcer after vagotomy and antral resection or drainage. Interpretation of results of postoperative insulin tests by single and multiple criteria. Nylamo EI, et al. **Acta Chir Scand** 1980;146(2):127–32

Secretion of gastric acid and serum gastrin following antral exclusion in man. Pedersen JH, et al. **Acta Chir Scand** 1980; 146(8):615–7

The clinical results of selective vagotomy and pyloroplasty six to nine years later. Højlund B, et al. **Dan Med Bull** 1980 Jul;27(3):164–7

Isolated retained antrum diagnosis by gastrin challenge tests and radioscintillation scanning. Cortot A, et al. **Dig Dis Sci** 1981 Aug;26(8):748–51

Finney's pyloroplasty in chronic pyloric obstruction. Samsi AB, et al. **J Postgrad Med** 1980 Apr;26(2):112–5

[Effects of antrectomy and vagotomy on gastric secretion of Pavlov pouches induced by various foods (author's transl)] Li XC. **Chung Hua Wai Ko Tsa Chih** 1980; 18(1):9–12 **(Chi)**

[Creation of an experimental model of antro-jejunal and antro-colic transposition in rats] Bargoni A, et al. **Arch Sci Med (Torino)** 1980 Oct-Dec;137(4):609–14 **(Ita)**

[Truncal vagotomy and antrectomy in the treatment of duodenal ulcer] Landi E. **Minerva Med** 1980 Nov 24; 71(47):3501–4 **(Ita)**

[Restoration of the alimentary transit after extensive subtotal gastrectomy due to cancer located in the distal portion of the stomach] Oriente L. **AMB** 1980 Apr;26(4):127–30 (Eng. Abstr.) **(Por)**

[Mucosal antrectomy with truncal vagotomy in duodenal ulcer resection to exclude the pylorus)] Gavriliu D, et al. **Rev Chir [Chir]** 1980 Nov-Dec;29(6):425–32 (Eng. Abstr.) **(Rum)**

[Method of plastic closure of the pyloric antrum stump in gastric resection for exclusion] Viliavin GD, et al. **Klin Khir** 1980 Aug;(8):38–41 (Eng. Abstr.) **(Rus)**

[Gastric secretory reaction to acute hypercalcemia as an index of the extent of antrectomy] Fisher AA, et al. **Klin Med (Mosk)** 1981 Mar;59(3):58–63 (Eng. Abstr.) **(Rus)**

[X-ray picture of the stomach after antrumectomy with a terminolateral gastroduodenal anastomosis supplemented by selective vagotomy] Gol'dfarb MG, et al. **Sov Med** 1980; (8):115–7 **(Rus)**

PYLORIC STENOSIS

BLOOD

Plasma levels of gastrin and secretin in infants and children with common gastrointestinal disorders. McKiernan J. **Ir Med J** 1981 Mar;74(3):89–90

[The leucine — 14C transport through erythrocyte cell membrane in infants with hypertrophic constriction of the pylorus (author's transl)] Stępniewski M, et al. **Przegl Lek** 1980;37(7):561–5 (Eng. Abstr.) **(Pol)**

CHEMICALLY INDUCED

[Combined narcotic and hydrochloric acid poisoning with subsequent pyloric stenosis (author's transl)] Udvardi G, et al. **Wien Med Wochenschr** 1980 Dec 15;130(23):778–80 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Achalasia of the cardiac sphincter and the pylorus? Kalsbeek HL, et al. **Neth J Surg** 1980;32(4):157–62

[Propionic acidemia associated with hypertrophic pyloric stenosis and bouts of severe hyperglycemia (author's transl)] Lehnert W, et al. **Monatsschr Kinderheilkd** 1980 Nov;128(11):720–3 (Eng. Abstr.) **(Ger)**

[Hypertrophic pyloric stenosis and disorders of liver clearance function] Statz A, et al. **Monatsschr Kinderheilkd** 1980 May;128(5):328–9 **(Ger)**

CONGENITAL

Congenital hypertrophic pyloric stenosis: a long-term follow-up of 41 cases. Sołowiejczyk M, et al. **Am Surg** 1980 Oct;46(10):567–71

Clinical and demographic aspects of congenital pyloric stenosis in Israel. Jeshajah H, et al. **Isr J Med Sci** 1980 Sep-Oct;16(9–10):711–3

Congenital hypertrophic pyloric stenosis Part III (A histochemical study). Hamid GA, et al. **J Egypt Med Assoc** 1978;61(3–4):227–34

[Case of jaundice caused by congenital hypertrophic pyloric stenosis] Biedrzyńska B, et al. **Wiad Lek** 1981;34(7):595–8 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Sonography of hypertrophic pyloric stenosis. Strauss S, et al. **AJR** 1981 Jun;136(6):1057–8

When the baby is sick and the mother's concerns are ignored. Spenner D. **Am J Nurs** 1980 Dec;80(12):2222–4

Pyloric stenosis: organic or functional? The need for an intraoperative test in peptic ulcer surgery. Verhaeghe PJ, et al. **Int Surg** 1980 Jul-Aug;65(4):301–3

Ultrasound in the diagnosis of hypertrophic pyloric stenosis. Blumhagen JD, et al. **JCU** 1981 Jul-Aug;9(6):289–92

[Differential diagnosis of malignant and benign malformations of the gastric antrum] Poliak EZ. **Klin Khir** 1981;(5):41–3 (Eng. Abstr.) **(Rus)**

[Primary hypertrophic stenosis of the pylorus in adults (a review of the foreign literature)] Pnomarev AA. **Vrach Delo** 1980 Sep;(9):20–5 (56 ref.) **(Rus)**

DRUG THERAPY

[Sulpiride and experimental gastric lesions] Biondo G, et al. **Boll Soc Ital Biol Sper** 1980 Dec 30;56(24):2594–7 **(Ita)**

ETIOLOGY

Tuberculous pyloric stenosis. Keenan DJ. **Br J Surg** 1981 Jan;68(1):44

Gastric outlet obstruction after parietal cell vagotomy with omentopexy for perforated duodenal ulcer. Ayalon A, et al. **Isr J Med Sci** 1980 Dec;16(12):819–20

[Antral stenosis caused by gastric hemangioma] Bersani M, et al. **Minerva Chir** 1980 Sep 15;35(17):1283–6 (16 ref.) **(Ita)**

[Gastric polyp as a cause of pyloric obstruction] Lazarkiewicz B, et al. **Wiad Lek** 1980 Aug 15;33(16):1335–7 (Eng. Abstr.) **(Pol)**

[Case of gastric leiomyoma causing temporary pyloric obstruction] Szaroszyk J. **Wiad Lek** 1980 Nov 1; 33(21):1733–5 (Eng. Abstr.) **(Pol)**

[Pyloric stenosis: probable tuberculous etiology. Case report] Garcia UD, et al. **AMB** 1980 Nov;26(11):372–6 (Eng. Abstr.) **(Por)**

[Posttraumatic cicatricial obstruction of the pylorus in a child] Atamanov IuA, et al. **Khirurgiia (Mosk)** 1981 Jul; (7):96 **(Rus)**

[Stenosing pyloroduodenal ulcers] Khachiev LG, et al. **Ter Arkh** 1981;53(2):33–6 (Eng. Abstr.) **(Rus)**

[Pyloric stenosis in acute pancreatitis] Molino Trinidad C, et al. **Rev Esp Enferm Apar Dig** 1981 Feb;59(2):251–4 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

X-linked ichthyosis associated with hypertrophic pyloric stenosis in three brothers. Garcia Perez A, et al. **Clin Exp Dermatol** 1981 Mar;6(2):159–61

The grandchildren of patients with pyloric stenosis. Carter CO, et al. **J Med Genet** 1980 Dec;17(6):411–5

METABOLISM

Elimination of indocyanine green by the liver of infants with hypertrophic pyloric stenosis and the icteropyloric syndrome. Roth B, et al. **J Pediatr** 1981 Aug;99(2):240–3

OCCURRENCE

Unprecedented increase of infantile hypertrophic pyloric stenosis [letter] **Br Med J** 1980 Oct 18;281(6247):1069

Unprecedented rise in incidence of infantile hypertrophic pyloric stenosis. Kerr AM. **Br Med J** 1980 Sep 13; 281(6242):714–5

PHYSIOPATHOLOGY

[Pathophysiology of hypertrophic pyloric stenosis in infants (author's transl)] Mechelany-Leroy L. **Nouv Presse Med** 1981 Jul 4;10(29):2435–8 (42 ref.) (Eng. Abstr.) **(Fre)**

[Stomach evacuatory motor function and bioelectric activity in peptic stenosis before and after surgery] Nurmukhamedov RM, et al. **Khirurgiia (Mosk)** 1981 Jul; (7):30–2 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Chronic granulomatous disease with gastric antral narrowing. Bowen A 3d, et al. **Pediatr Radiol** 1980 Nov;10(2):119–20

Short segment pyloric narrowing. Pylorospasm or pyloric stenosis? Swischuk LE, et al. **Pediatr Radiol** 1981; 10(4):201–5

[Chronic hypertrophic stenosis of the pylorus in adults (author's transl)] Kreuzberg B. **Cesk Radiol** 1980 Sep; 34(5):346–51 (Eng. Abstr.) **(Cze)**

RADIONUCLIDE IMAGING

[Gastroscintigraphic examinations on the influence of different factors on the kind of evacuation of the stomach (author's transl)] Devišev MI, et al. **Radiol Diagn (Berl)** 1981;22(1):96–103 (Eng. Abstr.) **(Ger)**

SURGERY

Highly selective vagotomy and pyloric dilatation for duodenal ulcer with stenosis. Dunn DC, et al. **Br J Surg** 1981 Mar;68(3):194–6

Proximal gastric vagotomy in stenosed or perforated duodenal ulcer. Ferraz EM, et al. **Br J Surg** 1981 Jul; 68(7):452–4

Abnormalities of glucose tolerance as a late consequence of hypertrophic pyloric stenosis surgically treated in the neonate. Chimènes H, et al. **Diabetologia** 1980 Jun; 18(6):513–4

Hypertrophic pyloric stenosis: A review of the Fredet-Ramstedt Pyloromyotomy. Francis AE, et al. **J Kans Med Soc** 1980 Sep;81(9):386–9

The effect of pyloromyotomy on serum and luminal gastrin in infants with hypertrophic pyloric stenosis. Wesley JR, et al. **J Surg Res** 1980 Jun;28(6):533–8

Infantile hypertrophic pyloric stenosis. Mitchell KG, et al. **Scott Med J** 1981 Jul;26(3):245–9

Management of mucosal perforation during pyloromyotomy for infantile pyloric stenosis. Hight DW, et al. **Surgery** 1981 Jul;90(1):85–6

[Fatal course of hypertrophic pyloric stenosis in a newborn infant] Horcher E, et al. **Z Kinderchir Grenzgeb** 1980 Jun; 30(2):143–5 (Eng. Abstr.) **(Ger)**

[Jejunostomy in stenosis of the esophagus and pylorus caused by chemical burns] Hofmann D, et al. **Zentralbl Chir** 1981; 106(5):329–34 **(Ger)**

[Pyloric stenosis in the aged patient (personal case statistics)] Zelli GP, et al. **Ann Ital Chir** 1980;52(6):687–92 **(Ita)**

[Formation of complete retrosternal esophagus from the jejunum in cases of cicatricial stenosis of the esophagus and distal part of the stomach by means of secondary shifting of the graft] Bernat M. **Pol Przegl Chir** 1980 JUN; 52(6):533–7 (Eng. Abstr.) **(Pol)**

[Selective proximal vagotomy with duodenoplasty in the surgery of ulcerative duodenal stenosis] Saenko VF, et al. **Klin Khir** 1981 Apr;(4):36–40 (Eng. Abstr.) **(Rus)**

[Closure of the duodenal stump during gastric resection using a seromuscular pedicle flap from the stomach wall] Mokhov EM. **Vestn Khir** 1980 Jul;125(7):65–6 **(Rus)**

THERAPY

Conservative management of infantile pyloric stenosis by nasoduodenal feeding. Yamashiro Y, et al. **Eur J Pediatr** 1981 May;136(2):187–92

VETERINARY

Pyloric stenosis in a foal. Barth AD, et al. **Can Vet J** 1980 Aug;21(8):234–6

Pyloric stenosis caused by hypertrophic gastritis in three dogs. Happé RP, et al. **J Small Anim Pract** 1981 Jan; 22(1):7–17

Pyloric stenosis in the dog. Pearson H. **Vet Rec** 1979 Oct 27;105(17):393–4

PYLORUS

see related
GASTRIC EMPTYING

Parietal cell vagotomy for duodenal and pyloric ulcers. II. Histopathology and gastric secretion. Poppen B, et al. **Am J Surg** 1981 Mar;141(3):330–3

Parietal cell vagotomy for duodenal and pyloric ulcers. I. Clinical factors leading to failure of the operation. Poppen B, et al. **Am J Surg** 1981 Mar;141(3):323–9

Acquired double pylorus or gastroduodenal fistula. Report of a case and review of the literature. Minoli G, et al. **Digestion** 1981;21(1):1–5

Pyloric and gastric tuberculosis: a diagnostic problem. Johnson O, et al. **Ethiop Med J** 1981 Jan;19(1):17–20

Double pylorus—an unusual complication of peptic ulcer disease. Somashekar KR, et al. **J Tenn Med Assoc** 1980 Jul;73(7):490–1

[Vagotomy in duodenal ulcer and pyloric ulcer. 10-year case material] Johnson JA. **Tidsskr Nor Laegeforen** 1980 Oct 10;100(28):1657–60 (Eng. Abstr.) **(Nor)**

ABNORMALITIES

Oesophageal atresia associated with pyloric atresia. Friedman AP, et al. **Br J Radiol** 1980 Oct;53(634):1009–11

Congenital double pylorus: a case report. Williams RS, et al. **Br J Surg** 1981 Jan;68(1):65

Duplication of the pylorus: an elusive diagnosis. Keramidas DC, et al. **Z Kinderchir Grenzgeb** 1980 Apr;29(4):370–4

[Case of a double pylorus and peptic pyloric ulcer] Damianov D. **Vutr Boles** 1980;19(5):78–9 **(Bul)**

[Pyloric duplication with pancreatic heterotopia (author's transl)] Galifer RB, et al. **Chir Pediatr** 1980;21(6):383–6 (Eng. Abstr.) **(Fre)**

[Double pylorus; report of two cases (author's transl)] Marchi WA, et al. **AMB** 1980 Mar;26(3):103–4 (Eng. Abstr.) **(Por)**

[Pyloric diaphragm in an infant. A case report] Costa F, et al. **Arq Gastroenterol** 1980 Jul–Sep;17(3):173–5 (Eng. Abstr.) **(Por)**

[Case of duplication of the pylorus] Kushnirenko OIu, et al. **Vestn Rentgenol Radiol** 1981 Mar–Apr;(2):82–3 **(Rus)**

ANATOMY & HISTOLOGY

Neuronal activity of submucosal plexus of pyloric and ileocecal sphincteric regions of the cat gastrointestinal tract. Nozdrachev AD, et al. **J Auton Nerv Syst** 1981 Jun; 4(1):33–42

BLOOD SUPPLY

[Radioanatomical study on the pyloric branch and its diagnostic significance in angiography (author's transl)] Kuroda C. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Jan 25;41(1):1–14 (Eng. Abstr.) **(Jpn)**

CYTOLOGY

Histological and histochemical studies on the pyloric mucosa of the camel's stomach (Camelus dromedarius). Dougbag AS, et al. **Anat Histol Embryol** 1981 Jun;10(2):187–92

DRUG EFFECTS

Atropine sensitive contractile motor effects of substance P on the feline pylorus and stomach in vivo. Edin R, et al. **Acta Physiol Scand** 1980 Oct;110(2):207–9

Relationship between spasmogenic activity of bombesin and prostaglandins on the rat pylorus. Impicciatore M, et al. **Pharmacol Res Commun** 1980 Nov;12(10):987–93

ENZYMOLOGY

Studies on proteinases from the digestive organs of sardine. I. Purification and characterization of three alkaline proteinases from the pyloric caeca. Murakami K, et al. **Biochim Biophys Acta** 1981 Mar 13;658(1):17–26

[Effect of acute pancreatitis on enzymatic reactions of the pyloric glands] Barcew B, et al. **Pol Tyg Lek** 1981 Mar 23;36(12):437–9 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Cross-reactivity of normal gastric tissue components with ovarian tumour-associated antigens. Dawson JR, et al. **Br J Cancer** 1980 Sep;42(3):481–4

INJURIES

[Posttraumatic cicatricial obstruction of the pylorus in a child] Atamanov IuA, et al. **Khirurgiia (Mosk)** 1981 Jul; (7):96 **(Rus)**

INNERVATION

The vagal control of the pyloric motor function: a physiological and immunohistochemical study in cat and man. Edin R. **Acta Physiol Scand [Suppl]** 1980;Suppl 485:1–30

Pyloric motor response to sympathetic nerve stimulation in dogs. Lerman SH, et al. **Surgery** 1981 Apr;89(4):460–5

METABOLISM

Muscarinic receptors in the human pyloric sphincter: comparison with other species. Gaginella TS, et al. **Gen Pharmacol** 1981;12(2):93–6

Elimination of indocyanine green by the liver of infants with hypertrophic pyloric stenosis and the icteropyloric syndrome. Roth B, et al. **J Pediatr** 1981 Aug;99(2):240–3

PATHOLOGY

A histopathological study on pyloric ulcer. Shimazu H, et al. **Gastroenterol Jpn** 1980;15(4):362–8

[Heterotopic gastric body epithelium in the pylorus and duodenum (author's transl)] Marzullo F. **Pathologica** 1980 Mar–Apr;72(1018):249–54 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Duodenogastric reflux in the fasting dog: role of pylorus and duodenal motility. Müller-Lissner SA, et al. **Am J Physiol** 1981 Aug;241(2):G159–62

Preservation of the pylorus in pancreaticoduodenectomy a follow-up evaluation. Traverso LW, et al. **Ann Surg** 1980 Sep;192(3):306–10

Atraumatic non-distorting pyloric sphincter pressure studies. McShane AJ, et al. **Gut** 1980 Oct;21(10):826–8

Mechanisms of gastric acid secretion after pylorus and oesophagus ligation in the rat. Håkanson R, et al. **J Physiol (Lond)** 1980 Aug;305:139–49

[Motor coordination of the gastro-duodenal junction in the dog] Marzio L, et al. **Boll Soc Ital Biol Sper** 1980 Jan 30; 56(2):126–32 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

The influence of an intact pylorus on postprandial enteroglucagon and neurotensin release after upper gastric surgery. Sagor GR, et al. **Br J Surg** 1981 Mar;68(3):190–3

Pyloric reflux and G-cell hyperfunction [letter] Calam J, et al. **Lancet** 1980 Oct 25;2(8200):918

[Duodenogastric-reflux-favouring behaviour of the pylorus in patients with gastritis and duodenitis (author's transl)] Koelsch KA, et al. **Dtsch Z Verdau Stoffwechselkr** 1981; 41(1):18–20 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Case of the month No. 50. Double channel pylorus. Levy JM, et al. **Ariz Med** 1981 Feb;38(2):114, 118

Short segment pyloric narrowing. Pylorospasm or pyloric stenosis? Swischuk LE, et al. **Pediatr Radiol** 1981; 10(4):201–5

[Double pylorus through antrobulbar fistula formation (author's transl)] Hermanns PM, et al. **Roentgenblaetter** 1980 Dec;33(12):612–7 **(Ger)**

[A double pylorus: case report (author's transl)] Shabana M, et al. **Rinsho Hoshasen** 1980 Aug;25(8):867–9 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

[Evaluation of functional scintigraphy of gastric emptying by the principal component method (author's transl)] Häussler M, et al. **Nuklearmedizin** 1980;19(5):213–20 (Eng. Abstr.) **(Ger)**

SURGERY

Long-term results of selective vagotomy plus pyloroplasty. 12 to 17 year follow-up. Griffith CA. **Am J Surg** 1980 May;139(5):608–15

The exclusion pyloroplasty. Kay PH, et al. **Ann R Coll Surg Engl** 1981 Jul;63(4):277–8

Gastric emptying. A comparison of the Heineke-Mikulicz and Finney pyloroplasties with the Ramstedt pyloromyotomy. James EC, et al. **Arch Surg** 1981 Jul; 116(7):907–9

Highly selective vagotomy and pyloric dilatation for duodenal ulcer with stenosis. Dunn DC, et al. **Br J Surg** 1981 Mar;68(3):194–6

Physiological and light-electron microscopical studies of parietal cells and G cells before and after selective vagotomy with pyloroplasty. Watanabe Y, et al. **Gastroenterol Jpn** 1980;15(5):510–9

The absorption of amoxycillin after gastric surgery [letter] Farrell ID, et al. **J Antimicrob Chemother** 1981 Jan; 7(1):110–1

Truncal vagotomy and pyloroplasty for bleeding peptic ulcer (analysis of 32 cases). Iskander F, et al. **J Egypt Med Assoc** 1978;61(11–12):725–34

Hypertrophic pyloric stenosis: A review of the Fredet-Ramstedt Pyloromyotomy. Francis AE, et al. **J Kans Med Soc** 1980 Sep;81(9):386–9

Effect of truncal vagotomy and pyloroplasty on hepatic bile composition in the rhesus monkey. Mack E, et al. **J Lab Clin Med** 1981 Apr;97(4):521–4

Inhibition of experimental stress ulcer formation in rats. Fehr HF, et al. **Scand J Gastroenterol [Suppl]** 1981;67:187–9

Quantitative assessment of duodenogastric reflux after vagotomy with or without pyloroplasty-A clinical investigation. Hollinger A, et al. **Scand J Gastroenterol [Suppl]** 1981;67:55–7

[Pylorus-preserving gastric resection (technic and indications)] Dimitrov V. **Khirurgiia (Sofiia)** 1980; 33(3):210–5 (Eng. Abstr.) **(Bul)**

[Pulmonary excisions and exacerbation of old peptic ulcer. Attempt at prevention by vagotomy-pyloroplasty (author's transl)] Ribet M, et al. **Chirurgie** 1980;106(2):132–5 (Eng. Abstr.) **(Fre)**

[Duodenal ulcers. Vagotomy-antrectomy or vagotomy-pyloroplasty. Comparison after ten years (author's transl)] Henrion C, et al. **J Chir (Paris)** 1981 Mar; 118(3):155–60 (Eng. Abstr.) **(Fre)**

[Perforated duodenal ulcer. Personal experience] Trancanelli V, et al. **Minerva Chir** 1980 Nov 15;35(21):1645–7 (Eng. Abstr.) **(Ita)**

[Intrathoracic stomach. A study of structural and functional alterations and of long term results (author's transl)] Chaib SA, et al. **AMB** 1980 Jan;26(1):33–6 (Eng. Abstr.) **(Por)**

[Selective proximal vagotomy in pyloroduodenal ulcers] Krakovskii AI, et al. **Khirurgiia (Mosk)** 1981 Jul;(7):13–6 (Eng. Abstr.) **(Rus)**

[Selective proximal vagotomy in the treatment of pyloroduodenal ulcers] Sibul' UF, et al. **Khirurgiia (Mosk)** 1980 Sep;(9):11–3 **(Rus)**

[Selective proximal vagotomy in the surgery of pyloroduodenal ulcers] Pantsyrev IuM, et al. **Sov Med** 1980;(10):16–21 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

An electron microscopic radioautographic identification of the APUD endocrine cells in the rat gastric pyloric glands. Rubin W, et al. **Gastroenterology** 1981 Aug;81(2):311–20

Induction of gastric adenocarcinoma in rats by N-methyl-N-nitro-N-nitroso-guanidine and ultrastructural changes of epithelial cells of the pyloric gland region. Zhang ZX, et al. **Sci Sin** 1981 Mar; 24(3):416–22

PYOCINS see under **BACTERIOCINS**

PYOCYANINE see under **PHENAZINES**

PYODERMA

COMPLICATIONS

Pyoderma gangrenosum associated with transient acantholytic dermatosis (pemphigus erythematosus-like) and paraproteinemia. Andersen BL. **Acta Derm Venereol (Stockh)** 1981;61(1):77–9

Pyoderma gangrenosum and haematological malignancies [letter] Feuerman EJ. **Br J Dermatol** 1981 Mar;104(3):349

Pyoderma gangrenosum, seronegative polyarthropathy and inflammatory bowel disease. Struthers GR. **J R Soc Med** 1979 Apr;72(4):284–6

Post-streptococcal glomerulonephritis following pyoderma. Dillon HC Jr. **Rev Infect Dis** 1979 Nov–Dec;1(6):935–45 (51 ref.)

[Amicrobic pustulosis hypoparathyroidism epilepsy: treatment by 25-hydroxycholecalciferol. Beurey J, et al. **Ann Dermatol Venereol** 1980;107(12):1145–50 (Eng. Abstr.) **(Fre)**

[Seronegative polyarthritis, pyoderma gangrenosum and bullous eruptions] Chouvet B, et al. **Ann Dermatol Venereol** 1980 Jun;107(6):573–8 **(Fre)**

[Pyoderma gangraenosum and cardio-vasculopathies, particularly Takayasu arteritis. Review of the Japanese literature (author's transl)] Hidano A, et al. **Ann Dermatol Venereol** 1981;108(1):13–21 (30 ref.) (Eng. Abstr.) **(Fre)**

[Pyoderma gangrenosum in myelofibrosis (letter)] Flechet ML, et al. **Nouv Presse Med** 1980 Dec 6;9(46):3547 **(Fre)**

[Studies on the combination of pyoderma gangrenosum and monoclonal gammopathies (author's transl)] Kanoh T, et al. **Nippon Ketsueki Gakkai Zasshi** 1980 Oct;43(5):828–33 (Eng. Abstr.) **(Jpn)**

[Exudative pericarditis ina patient with ulcerative autonomic pyoderma] Gordon IB, et al. **Klin Med (Mosk)** 1981 Jan; 59(1):95–6 **(Rus)**

[Hepatic lesion in suppurative inflammatory diseases in infants] Syr'eva TN, et al. **Vopr Okhr Materin Det** 1980 Sep;25(9):34–8 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Pyodermite végétante of Hallopeau. Immunofluorescence studies performed in an early disease stage. Neumann HA, et al. **Arch Dermatol** 1980 Oct;116(10):1169–71

Pyoderma gangrenosum: report of an unusual case and a review of the literature. Lamberty BG. **J Dermatol Surg Oncol** 1981 Jan;7(1):32–5

DRUG THERAPY

Idiopathic pyoderma gangrenosum and impaired lymphocyte function: failure of azathioprine and corticosteroid therapy. Breathnach SM, et al. **Br J Dermatol** 1981 May; 104(5):567–73

Pyoderma gangrenosum: successful treatment with minocycline. Davies MG, et al. **Clin Exp Dermatol** 1981 Mar;6(2):219–23

Topical and systemic therapy for pyodermas. Dillon HC Jr. **Int J Dermatol** 1980 Oct;19(8):443–51 (39 ref.)

Pyoderma gangrenosum treated with clofazimine. Report of three cases. Kark EC, et al. **J Am Acad Dermatol** 1981 Feb;4(2):152–9

Treatment of pyoderma gangrenosum with clofazimine. A case report and review of associated diseases. Lovett GW, et al. **J Tenn Med Assoc** 1981 Aug;74(8):567–8

[Pyoderma gangrenosum: 2 cases with perineal localization]

Cola B, et al. **Ann Ital Chir** 1980;52(4):465–75 **(Ita)**
[Clinical studies of cefoperazone in the treatment of pyoderma (author's transl)] Gondo A, et al.
Jpn J Antibiot 1980 Dec;33(12):1306–12 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Trauma and the pyoderma gangrenosum of inflammatory bowel disease. Finkel SI, et al. **Gut** 1981 May;22(5):410–2
Streptococcal pyoderma and acute glomerulonephritis in children. Mehta G, et al. **Indian J Med Res** 1980 May; 71:692–700
[Pyoderma gangrenosum and Vaquez' disease (letter)] Taillandier J, et al. **Nouv Presse Med** 1981 Feb 7;10(5):339 **(Fre)**
[Pyoderma vegetans in cases of cellular immunodeficiency (author's transl)] Getlik A, et al. **Dermatol Monatsschr** 1980 Oct;166(10):645–8 (Eng. Abstr.) **(Ger)**
[Clinical aspects and treatment of chronic pyococcal leg ulcer] Kogan AI. **Vestn Dermatol Venerol** 1980 Dec; (12):44–7 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Antichlamydial antibodies in chronic palmoplantar pustulosis. Jansén CT, et al. **Acta Derm Venereol (Stockh)** 1980; 60(3):263–6
Increased prevalence of antithyroid antibodies and thyroid diseases in pustulosis palmoplantaris. Rosén K, et al.
Acta Derm Venereol (Stockh) 1981;61(3):237–40
B7-CREG in arthritis associated with pyoderma gangrenosum [letter] Bocanegra TS, et al.
Arthritis Rheum 1981 May;24(5):747
[Changes of IgA in pyoderma gangrenosum (author's transl)] Miyachi Y, et al. **Nippon Hifuka Gakkai Zasshi** 1980; 90(12):1065–70 **(Jpn)**
[Immunological reactivity in pyodermitis] Khal'zov RB, et al. **Voen Med Zh** 1981 Mar;(3):58–9 **(Rus)**

PATHOLOGY

[Pyoderma gangraenosum] Stingl G, et al. **Hautarzt** 1981 Apr;32(4):165–72 (61 ref.) (Eng. Abstr.) **(Ger)**
[Pyoderma gangrenosum. Case contribution] Jakobza D, et al. **Zentralbl Chir** 1980;105(20):1376–80 **(Ger)**

PHYSIOPATHOLOGY

[The function of microphages in chronic recurrent pyodermias] Djawari D. **Z Hautkr** 1980 Jun 1; 55(11):734–40 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Hereditary polymorphic light eruption in American Indians. Photoprotection and prevention of streptococcal pyoderma and glomerulonephritis. Fusaro RM, et al. **JAMA** 1980 Sep 26;244(13):1456–9

VETERINARY

A study of skin diseases in dogs and cats. VI. Microflora of the major canine pyodermas. Krogh HV, et al.
Nord Vet Med 1981 Jan;33(1):17–22

PYORRHEA ALVEOLARIS see **PERIODONTAL DISEASES**

PYRAMIDAL TRACTS

Urinary incontinence and minimal pyramidal disease. Thomas DG, et al. **Br J Urol** 1980 Dec;52(6):460–2
[The action of levamisole in multiple sclerosis and in spastic pyramidal syndromes] Truşcă E.
Rev Med Interna [Neurol Psihiatr] 1980 Jul–Sep;25(3):211–8 (Eng. Abstr.) **(Rum)**

ANATOMY & HISTOLOGY

Organization of corticospinal neurons in the monkey. Murray EA, et al. **J Comp Neurol** 1981 Jan 10;195(2):339–65
Development of the pyramidal tract in the hamster. I. A light microscopic study. Reh T, et al. **J Comp Neurol** 1981 Jul 20;200(1):55–67
Localization of the pyramidal tract in the internal capsule [letter] Hanaway J, et al. **Neurology (NY)** 1981 Mar; 31(3):365–7

CYTOLOGY

Subsurface and cytoplasmic cisterns associated with mitochondria in pyramidal neurons of the rat dorsal cochlear nucleus. Fiori MG, et al. **Neuroscience** 1981; 6(3):461–7
A combined Golgi–electron microscopic study of the synapses made by the proximal axon and recurrent collaterals of a pyramidal cell in the somatic sensory cortex of the monkey. Winfield DA, et al. **Neuroscience** 1981; 6(7):1217–30
Reaction of glial and phagocytic cells under Wallerian degeneration in the pyramidal tract of the rhesus monkey. Inoue Y, et al. **Okajimas Folia Anat Jpn** 1980 May; 57(1):1–28

DRUG EFFECTS

Ethanol-induced depressions in cerebellar and hippocampal neurons of mice selectively bred for differences in ethanol sensitivity: an electrophysiological study. Sorensen S, et al. **Pharmacol Biochem Behav** 1981 Feb;14(2):227–34

METABOLISM

Axoplasmic flow of tritiated proline in the corticospinal tract of the rat. Vahlsing HL, et al. **Cell Tissue Res** 1981; 214(2):279–87

PHYSIOLOGY

Effects of pyramidal lesions on forelimb movements in the cat. Górska T, et al. **Acta Neurobiol Exp (Warsz)** 1980; 40(5):843–59
Motor effects of cortical stimulation after chronic lesion of medullary pyramid in the dog. Górska T, et al.
Acta Neurobiol Exp (Warsz) 1980;40(5):861–79
Activation of pyramidal neurons by intrinsic longitudinal connections in the hippocampus. Bartesaghi R, et al.
Boll Soc Ital Biol Sper 1979 Dec 30;55(24):2555–60
Field potentials evoked in the subiculum following postsynaptic discharge of hippocampal pyramidal neurons. Bartesaghi R, et al. **Boll Soc Ital Biol Sper** 1979 Dec 30; 55(24):2561–7
Acetylcholine induced modulation of hippocampal pyramidal neurons. Benardo LS, et al. **Brain Res** 1981 Apr 27; 211(1):227–34
Dendritic spikes induced in fast pyramidal tract neurons by thalamic stimulation. Deschênes M. **Exp Brain Res** 1981; 43(3–4):304–8
Operant control of precentral neurons: comparison of fast and slow pyramidal tract neurons. Wyler AR, et al.
Exp Neurol 1980 Aug;69(2):430–3
The axon initial segment as a synaptic site: ultrastructure and synaptology of the initial segment of the pyramidal cell in the rat hippocampus (CA3 region). Kosaka T.
J Neurocytol 1980 Dec;9(6):861–82
Identification of auditory responsive cells in coronal-pericruciate cortex of awake cats. Sakai H, et al.
J Neurophysiol 1980 Jul;44(1):223–31
American Association of Neurosurgical Nurses and the pyramidal tract. Bucy PC. **J Neurosurg Nurs** 1978 Dec; 10(4):144–5
Reversal potential for glutamate responses in hippocampal pyramidal cells. Langomoen IA, et al. **Neurosci Lett** 1981 Apr 9;23(1):61–5
Penicillin-induced epileptiform activity in the hippocampal slice: a model of synchronization of CA3 pyramidal cell bursting. Traub RD, et al. **Neuroscience** 1981;6(2):223–30
Synaptic excitation may activate a calcium-dependent potassium conductance in hippocampal pyramidal cells. Nicoll RA, et al. **Science** 1981 May 22;212(4497):957–9
[Analog of a conditioned reflex with recording of pyramidal tract response to direct cortical stimulation] Voronin LL, et al. **Dokl Akad Nauk SSSR** 1980;253(4):1005–9 **(Rus)**
[Postsynaptic potentials of cat neck muscle motoneurons induced by pyramidal tract stimulation] Gura EV, et al. **Neirofiziologiia** 1980;12(6):650–2 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

The late facilitation in H-reflex recovery cycles in different pyramidal lesions. Strassburg HM, et al.
Arch Psychiatr Nervenkr 1980;228(3):197–204
Effect of brain compression on pyramidal tract responses in the cat. Nagao S, et al. **Exp Neurol** 1981 Jul;73(1):107–17

SURGERY

Manipulatory forelimb movements in normal and pyramidotomized dogs. Górska T, et al.
Acta Neurobiol Exp (Warsz) 1980;40(6):965–84
The effects of subcortical sensory and motor lesions on conditioned tactile placing in cats with pyramid section. Yu J, et al. **Acta Neurobiol Exp (Warsz)** 1980;40(2):479–8

ULTRASTRUCTURE

Morphological changes of the pyramidal cell nucleolus and nucleus in hamster frontal cortex during development and aging. Buschmann MB, et al. **Mech Ageing Dev** 1981 Apr; 15(4):385–97

PYRAN COPOLYMER see under **POLYMERS**

PYRANS

[Comparative neurophysiologic studies using valtratum/isovaltratum and valerian extract in cats] Holm E, et al. **Med Welt** 1980 Jun 27;31(26):982–90 **(Ger)**

ANALYSIS

Rapid high pressure liquid chromatography of patulin in apple juice. Möller T, et al. **J Assoc Off Anal Chem** 1980 Sep;63(5):1055–6
An immunoanalysis for kojic acid. Abdalla AE, et al.
Sabouraudia 1980 Sep;18(3):191–6
[High-speed liquid chromatographic analysis of drugs. IX. Determination of gentiopicroside in Swertiae Herba (author's transl)] Akada Y, et al. **Yakugaku Zasshi** 1980 Jun;100(6):678–80 (Eng. Abstr.) **(Jpn)**
[High-speed liquid chromatographic analysis of drugs. XI. Quantitative determination of swertiamarin in Swertiae Herba (author's transl)] Akada Y, et al.
Yakugaku Zasshi 1980 Jul;100(7):770–3 (Eng. Abstr.) **(Jpn)**
[Changes in the crocin and geniposide contents in the developing fruits of Gardenia jasminoides forma grandiflora (author's transl)] Umetani Y, et al.
Yakugaku Zasshi 1980 Sep;100(9):920–4 (Eng. Abstr.) **(Jpn)**
[Detection and semiquantitative determination of patulin in apple juice] Czerwiecki L. **Rocz Panstw Zakl Hig** 1980; 31(3):271–5 (Eng. Abstr.) **(Pol)**

BIOSYNTHESIS

Irreversible inactivation of chicken liver fatty acid synthetase by its substrates acetyl and malonyl CoA. Effect of temperature and NADP n fatty acid and triacetic acid lactone synthesis. Srinivasan KR, et al.
Biochem Biophys Res Commun 1981 Apr 15;99(3):920–7
Intrinsic limitations on the continued production of the antibiotic patulin by Penicillium urticae. Neway J, et al.
Can J Microbiol 1981 Feb;27(2):206–15
Patulin production by Paecilomyces species isolated from silage in the United Kingdom. Hacking A, et al.
J Sci Food Agric 1981 Jun;32(6):620–3
[Measuring of a double contamination by patulin and ochratoxin (author's transl)] Escoula L, et al.
Ann Rech Vet 1980;11(2):119–22 (Eng. Abstr.) **(Fre)**

CHEMICAL SYNTHESIS

Synthesis and antiallergy activity of 4-oxopyrano[3,2-b]indoles. Unangst PC, et al.
J Med Chem 1980 Nov;23(11):1251–5

DIAGNOSTIC USE

Exogenous DHA-S half-life: a good index of intrauterine growth retardation. Tanguy G, et al.
Gynecol Obstet Invest 1980;11(3):170–3

IMMUNOLOGY

Macrophage activation and mobilization in nude mice by Corynebacterium parvum and pyran: a functional and histologic study. Stinnett JD, et al. **J Surg Oncol** 1980; 14(4):327–32

ISOLATION & PURIFICATION

[Studies on chemical constituents of dengzhanhua (Erigeron breviscapus (Vant.) Hand-Mazz). I. The isolation and identification of pyromeconic acid and a new glucoside (author's transl)] Zhang RW, et al.
Yao Hsueh Hsueh Pao 1981 Jan;16(1):68–9 (Eng. Abstr.) **(Chi)**

METABOLISM

Studies on the structure and conformation of yeast mitochondrial ATPase using aurovertin and methanol as probes. Stutterheim E, et al. **Biochim Biophys Acta** 1980 Oct 3;592(3):415–30

PHARMACODYNAMICS

The effect of asteltoxin and citreomontanine, two polyenic alpha-pyrone mycotoxins, on Escherichia coli adenosine triphosphate. Satre M. **Biochem Biophys Res Commun** 1981 May 15;100(1):267–74
Central depressant effects of maltol analogs in mice. Kimura R, et al. **Chem Pharm Bull (Tokyo)** 1980 Sep;28(9):2570–9
Antimicrobial activity of patulin derivatives: a preliminary report. Wallen LL, et al. **J Antibiot (Tokyo)** 1980 Jul; 33(7):767–9
Binding of citreoviridin to the beta subunit of the yeast F1-ATPase. Gause EM, et al. **J Biol Chem** 1981 Jan 25; 256(2):557–9
Effect of patulin on hepatic monooxygenase in male mice. Siraj MY, et al. **J Environ Pathol Toxicol** 1980 Sep; 4(2-3):545–53
Pharmacological studies of gardenia fruit. V. Mechanisms of inhibitory effect of genipin on gastric acid secretion and its facilitatory effect on bile secretion in rats. Aburada M, et al. **J Pharmacobiodyn** 1980 Aug;3(8):423–33
Pharmacological studies on iridoid compounds. II. Relationship between structures and choleretic actions of iridoid compound. Takeda S, et al. **J Pharmacobiodyn** 1980 Oct;3(10):485–92
Influence of efrapeptin, aurovertin and citreoviridin on the mitochondrial adenosine triphosphatase from Trypanosoma cruzi. Cataldi de Flombaum MA, et al.
Mol Biochem Parasitol 1981 Jul;3(3):143–55
Valepotriates, a new class of cytotoxic and antitumor agents. Bounthanh C, et al. **Planta Med** 1981 Jan;41(1):21–8
Effect of citreoviridin, a toxin from Penicillium citreoviride NRRL 2579, on glycogen metabolism of rat brain. Datta SC, et al. **Toxicon** 1981;19(2):217–22
The influence of patulin on rat fetus and rat and human placenta enzymes. Fuks-Holmberg D. **Toxicon** 1980; 18(4):437–42
[Comparative studies on the sedative action of Valeriana extracts, valepotriates and their degradation products (author's transl)] Wagner H, et al. **Planta Med** 1980 Aug;

39(4):358–65 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

The effect of kavaine and magnesium orotate combination in the psycho - organic disorders of the elderly. Sukyasyan A. **New Istanbul Contrib Clin Sci** 1980 May;13(2):103–11

[Autonomic disorders in general practice. Possibilities of drug therapy with Baldrisedon] Bettermann AA. **ZFA (Stuttgart)** 1981 Feb 10;57(4):288–94 **(Ger)**

TOXICITY

Mutagenicity of products obtained from a maltol–ammonia browning model system. Shibamoto T, et al. **J Agric Food Chem** 1981 May–Jun;29(3):643–6

PYRANTEL

ANALOGS & DERIVATIVES

Prophylactic medicat..n with pyrantel to prevent liver condemnation in pigs naturally exposed to Ascaris infections. Kennedy TJ, et al. **Am J Vet Res** 1980 Dec; 41(12):2089–91

Relative efficacies of pyrantel tartrate and pyrantel citrate against Oesophagostomum sp in swine. Pratt SE, et al. **Am J Vet Res** 1981 May;42(5):871–2

Repeated anthelmintic treatments and receptivity of mice to experimental infections with Heligmosomoides polygyrus (Nematospiroides dubius). Kerboeuf D, et al. **Ann Rech Vet** 1980;11(2):185–93

Single dose treatment of intestinal nematodes with oxantel–pyrantel pamoate plus mebendazole. Sinniah B, et al. **Ann Trop Med Parasitol** 1980 Dec;74(6):619–23

Oxantel–pyrantel pamoate for the treatment of soil–transmitted helminths. Margono SS, et al. **Southeast Asian J Trop Med Public Health** 1980 Sep; 11(3):384–6

Human intestinal parasites in Karakuak, West Flores, Indonesia and the effect of treatment with mebendazole and pyrantel pamoate. Purnomo, et al. **Southeast Asian J Trop Med Public Health** 1980 Sep; 11(3):324–31

Equine parasite control using pyrantel embonate. Clayton HM, et al. **Vet Rec** 1979 Oct 27;105(17):389–91

[The action of pyrantel pamoate in the therapy of helminth infestations] Fossati C. **Clin Ter** 1980 Jun 30;93(6):713–7 (35 ref.) (Eng. Abstr.) **(Ita)**

[Morphological changes in the cuticle of Ascaris lumbricoides suis L. under the effect of anthelmintics] Grzywacz M. **Wiad Parazytol** 1980;26(1):45–51 (Eng. Abstr.) **(Pol)**

[Comparative effectiveness and tolerance in the vanquin, combantrin and vermox treatments of enterobiasis] Alekseeva MI, et al. **Med Parazitol (Mosk)** 1980 Sep–Oct; 49(5):34–8 (Eng. Abstr.) **(Rus)**

[Combantrin treatment of necatoriasis] Maruashvili GM, et al. **Med Parazitol (Mosk)** 1980 Sep–Oct;49(5):38–40 (Eng. Abstr.) **(Rus)**

[Combantrin effectiveness and tolerance in intestinal nematodiases] Shcherbakov AM, et al. **Med Parazitol (Mosk)** 1980 Sep–Oct;49(5):40–4 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

[Treatment of mixed helminthic infection with oxantel–pyrantel pamoate (author's transl)] Baranski MC. **AMB** 1979 Dec;25(12):429–32 (Eng. Abstr.) **(Por)**

[Therapeutic test with oxypyrantel pamoate (ICN–4940) in trichuriasis] Huggins D. **An Inst Hig Med Trop (Lisb)** 1977–1978;5(1–4):231–6 (Eng. Abstr.) **(Por)**

[Comparative effectiveness and tolerance for difezil, bermoks and pyrantel in treating intestinal nematodiases] Karnaukhov VK, et al. **Sov Med** 1980;(11):117–20 **(Rus)**

PYRANTEL PAMOATE see under **PYRANTEL**

PYRANTEL TARTRATE see under **PYRANTEL**

PYRAZINAMIDE

ADMINISTRATION & DOSAGE

[Effect and toxicity on the combined use of pyrazinamide, ethionamide and kanamycin in the retreatment of pulmonary tuberculosis (author's transl)] **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1979;2(4):199–200 **(Chi)**

BLOOD

Pyrazinamide deamidase activity in tuberculous disease. Gurumurthy P, et al. **Am Rev Respir Dis** 1981 Jul;124(1):97

THERAPEUTIC USE

Pyrazinamide deamidase activity in tuberculous disease. Gurumurthy P, et al. **Am Rev Respir Dis** 1981 Jul;124(1):97

TOXICITY

[Toxicity of pyrazinamide in antituberculous treatments (author's transl)] Pretet S, et al. **Rev Fr Mal Respir** 1980; 8(4):307–30 (120 ref.) (Eng. Abstr.) **(Fre)**

PYRAZINES

2–Hydroxy–3–aryl–5–methylpyrazines–fluorophores formed from the reaction of formaldehyde with cyclic enamine degradation products common to beta–lactam antibiotics with aryl glycine side chains. Indelicato JM, et al. **J Pharm Pharmacol** 1981 Feb;33(2):119–21

Perception of odors of simple pyrazines by young and elderly subjects: a multidimensional analysis. Schiffman SS, et al. **Pharmacol Biochem Behav** 1981 Jun;14(6):787–98

ADMINISTRATION & DOSAGE

Multiclinic comparison of amiloride, hydrochlorothiazide, and hydrochlorothiazide plus amiloride in essential hypertension. Multicenter Diuretic Cooperative Study Group. **Arch Intern Med** 1981 Mar;141(4):482–6

Timolol and hydrochlorothiazide–amiloride in primary hypertension. Henning R, et al. **Clin Pharmacol Ther** 1980 Dec;28(6):707–14

A fixed combination of hydrochlorothiazide and amiloride for the treatment of essential hypertension. Ruilope L, et al. **Clin Ther** 1980;3(1):15–20

[Oltipraz in one–day treatment of Schistosoma haematobium bilharziasis (pharmacokinetic data, therapeutic effects)] Piéron R, et al. **Rev Med Interne** 1981;2(2):231–7 (Eng. Abstr.) **(Fre)**

[Changes in serum, erythrocytic and exchangeable potassium during the administration of hydrochlorothiazide alone and in combination with amiloride in hypertensive patients (author's transl)] Tamayo JA, et al. **Rev Invest Clin** 1980 Oct–Dec;32(4):459–69 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Amiloride–induced hyponatremia. Tarssanen L, et al. **Acta Med Scand** 1980;208(6):491–4

Malignant hyperkalaemia after amiloride/hydrochlorothiazide treatment [letter] Jaffey L, et al. **Lancet** 1981 Jun 6;1(8232):1272

Moduretic–induced metabolic acidosis and hyperkalaemia. Wan HH, et al. **Postgrad Med J** 1980 May;56(655):348–50

[Light–induced dermatoses during moduretic therapy] Okrasinski H. **Lakartidningen** 1980 Aug 6;77(32–33):2718–9 (Eng. Abstr.) **(Swe)**

ANALYSIS

[Determination of trimepranol, chlorthalidone, DH–ergocristine and amiloride simultaneously] Peterková M, et al. **Cesk Farm** 1980 Sep;29(7):241–3 (Eng. Abstr.) **(Cze)**

CHEMICAL SYNTHESIS

Anticoccidials. VI. An improved synthesis of 1,6–dihydro–6–oxo–2–pyrazinecarboxylic acid 4–oxide and some related derivatives and determination of anticoccidial activity. Imai K, et al. **Chem Pharm Bull (Tokyo)** 1981 Jan; 29(1):88–97

Anticoccidials. VII. Synthesis of 4,5–dihydro–5–oxo–2–pyrazinecarboxylic acid 1–oxides. Mano M, et al. **Chem Pharm Bull (Tokyo)** 1980 Oct; 28(10):3057–63

Anticoccidials. V. Synthesis and anticoccidial activity of 2(1H)–pyrazinone 4–oxide derivatives. Mano M, et al. **Chem Pharm Bull (Tokyo)** 1980 Sep;28(9):2734–47

Anticoccidials. IV A convenient synthesis of 2(1H)–pyrazinone 4–oxide derivatives. Mano M, et al. **Chem Pharm Bull (Tokyo)** 1980 Sep;28(9):2720–33

Research on heterocyclic compounds. X.–Imidazo[1,2–a]pyrazine derivatives: synthesis and antiinflammatory activity. Abignente E, et al. **Farmaco [Sci]** 1981 Jan;36(1):61–80

METABOLISM

Benzamil binding to kidney cell membranes. Cuthbert AW, et al. **Biochem Pharmacol** 1981 Jun 1;30(11):1175–83

Extraction of a [3H]benzamil binding component from kidney cell membranes. Edwardson JM, et al. **Biochem Pharmacol** 1981 Jun 1;30(11):1185–9

Effects of chemical group specific reagents on sodium entry and the amiloride binding site in frog skin: evidence for separate sites. Benos DJ, et al. **J Membr Biol** 1980 Sep 30;56(2):149–58

PHARMACODYNAMICS

Chemotactic factors activate differentiable permeation pathways for sodium and calcium in rabbit neutrophils. Effect of amiloride. Sha'afi RI, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1271–6

The effect of amiloride on hormonal regulation of amino acid transport in isolated and cultured adult rat hepatocytes. Fehlmann M, et al. **Biochim Biophys Acta** 1981 Mar 20;642(1):88–95

Inhibition by amiloride of 22Na+ transport into toad bladder microsomes. LaBelle EF, et al. **Biochim Biophys Acta** 1980 Sep 2;601(1):195–205

Effect of tienilic acid and amiloride in healthy volunteers and in hypertensives with normal renal function. Myers JB, et al. **Br J Clin Pharmacol** 1980 Oct;10(4):345–51

The effects of amiloride and triamterene on urinary magnesium excretion in conscious saline–loaded rats. Devane J, et al. **Br J Pharmacol** 1981 Feb;72(2):285–9

Inhibition of lipolysis by nicotinic acid and by acipimox. Fuccella LM, et al. **Clin Pharmacol Ther** 1980 Dec; 28(6):790–5

Amiloride–induced changes in digoxin dynamics and kinetics: abolition of digoxin–induced inotropism with amiloride. Waldorff S, et al. **Clin Pharmacol Ther** 1981 Aug; 30(2):172–6

The effects of sodium and amiloride on the motility of the caudal epididymal spermatozoa of the rat. Wong PY, et al. **Experientia** 1981 Jan 15;37(1):69–71

Cardiac effects of amiloride in the dog. Yamashita S, et al. **J Cardiovasc Pharmacol** 1981 Jul–Aug;3(4):704–15

Amiloride–resistant Madin–Darby canine kidney (MDCK) cells exhibit decreased cation transport. Taub M, et al. **J Cell Physiol** 1981 Feb;106(2):191–9

Sodium fluxes in human fibroblasts: effect of serum, Ca+2, and amiloride. Villereal ML. **J Cell Physiol** 1981 Jun; 107(3):359–69

Amiloride inhibits mammalian renal kallikrein and a kallikrein–like enzyme from toad bladder and skin. Margolius HS, et al. **J Clin Invest** 1980 Jun;65(6):1343–50

Amiloride inhibits protein synthesis in isolated rat hepatocytes. Fehlmann M, et al. **Life Sci** 1981 Mar 16; 28(11):1295–302

Effects of amiloride on insulin release, serum glucose and insulin, and glucose tolerance of mice. Boquist L. **Med Biol** 1980 Apr;58(2):109–11

Saliva from patients with cystic fibrosis inhibits amiloride–sensitive sodium transport. Will PC, et al. **Pediatr Res** 1980 Nov;14(11):1245–9

Pharmacological profile of a new anti–lipolytic agent: 5–methyl–pyrazine–2–carboxylic acid 4–oxide (acipimox) (1) I – Mechanism of action. Lovisolo PP, et al. **Pharmacol Res Commun** 1981 Feb;13(2):151–61

Pharmacological profile of a new antilipolytic agent: 5–methyl–pyrazine–2–carboxylic acid 4–oxide (acipimox) (1) II – Antilipolytic and blood lipid lowering activity. Lovisolo PP, et al. **Pharmacol Res Commun** 1981 Feb; 13(2):163–74

Mechanism of the hypotensive effect of tetramethylpyrazine, an amide alkaloid from the stem of Jatropha podagrica. Ojewole JA, et al. **Planta Med** 1981 Mar;41(3):281–7

Amiloride inhibits murine erythroleukemia cell differentiation: evidence for a Ca2+ requirement for commitment. Levenson R, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):5948–52

Inhibition of urea–linked water flux and [14C]urea transport across the toad bladder by amiloride. Eggena P, et al. **Proc Soc Exp Biol Med** 1981 May;167(1):55–61

The influence of amiloride on the therapeutic and metabolic effects of carbenoxolone in patients with gastric ulcer. A double–blind controlled trial. Reed PI, et al. **Scand J Gastroenterol [Suppl]** 1980;15(Suppl 65):51–7

[Inhibition of sodium transport in the colon by the diuretic amiloride (author's transl)] Turnheim K, et al. **Wien Klin Wochenschr** 1980;92(20):721–4 (Eng. Abstr.) **(Ger)**

RADIATION EFFECTS

Irreversible inhibition of sodium transport by the toad urinary bladder following photolysis of amiloride analogs. Cobb MH, et al. **Experientia** 1981 Jan 15;37(1):68–9

THERAPEUTIC USE

Assessment of 35972 RP (oltipraz) a new antischistosomal drug against Schistosoma haematobium, Schistosoma mansoni, and Schistosoma intercalatum. Gentilini M, et al. **Acta Trop (Basel)** 1980 Sep;37(3):271–4

The effect of amiloride/hydrochlorothiazide combination vs furosemide plus potassium supplementation in the treatment of oedema of cardiac origin. Viherkoski M, et al. **Ann Clin Res** 1981 Feb;13(1):11–5

Reduced triglyceridemia and increased high density lipoprotein cholesterol levels after treatment with acipimox, a new inhibitor of lipolysis. Sirtori CR, et al. **Atherosclerosis** 1981 Feb–Mar;38(3–4):267–71

Multiclinic evaluation of the antihypertensive effect of a methyldopa, hydrochlorothiazine, and amiloride combination. Moncloa F, et al. **Clin Ther** 1980;3(3):168–75

Attenuation of the lithium–induced diabetes–insipidus–like syndrome by amiloride in rats. Feuerstein G, et al. **Neuropsychobiology** 1981;7(2):67–73

[Initial therapeutic trials of an antibilharzial agent, 35 972 R.P. in man] Gentilini M, et al. **Bull Soc Pathol Exot Filiales** 1979 Sep–Dec;72(5–6):466–71 (Eng. Abstr.) **(Fre)**

[The effect of hydrochlorothiazide/amiloride alone or in combination with alpha–methyldopa on serum lipoproteins] Boehringer K, et al. **Schweiz Med Wochenschr** 1981 Apr 11;111(15):525–30 (Eng. Abstr.) **(Ger)**

[Comparative evaluation of the anti–hypertensive effect of moduretic and thiazides] Rosenfeld JB. **Schweiz Med Wochenschr** 1980 Oct 11;110(41):1498–501 (Eng. Abstr.) **(Ger)**

[Physiopathological basis for a tailored management of essential hypertension] Albertazzi A, et al. **Clin Ter** 1981 Feb 28;96(4):359–69 (Eng. Abstr.) **(Ita)**

[Diuretic therapy in the aged. A clinical comparison between two diuretic compounds] Della Marchina MM, et al. **Minerva Med** 1981 Jan 28;72(3):163–6 (Eng. Abstr.) **(Ita)**

TOXICITY

Mutagenic activity of pyrazine derivatives: a comparative study with Salmonella typhimurium, Saccharomyces cerevisiae and Chinese hamster ovary cells. Stich HF, et al. **Food Cosmet Toxicol** 1980 Dec;18(6):581–4

Mutagenicity of 1,5(or 7)-dimethyl-2,3,6,7-tetrahydro-1H,5H-biscyclopentapyra obtained from a cyclotene/NH3 browning model system. Shibamoto T. **J Agric Food Chem** 1980 Jul–Aug;28(4):883–4

PYRAZINOBUTAZONE see under **PHENYLBUTAZONE**

PYRAZINOPYRIMIDINES see **PTERIDINES**

PYRAZOLES

Fluorometric identification and microdetermination of proteins labeled with 4-(3'-phenyl-2'-pyrazolin-1'-yl)benzenesulfonyl chloride in polyacrylamide gel matrices. Tshabalala MA, et al. **Anal Biochem** 1981 Mar 1;111(2):343–56

Effect of pH on pyrazole binding to liver alcohol dehydrogenase. Andersson P, et al. **Eur J Biochem** 1981 Mar;114(3):549–54

Mepirizole, a non-steroidal antiinflammatory compound, its ulcerogenicity and inhibitory action on lesions induced by acidic antiinflammatory agents in the rat stomach. Kobayashi K, et al. **Gastroenterol Jpn** 1980;15(5):427–32

Carboxyl activation in peptide synthesis using 4-oximino-pyrazol-5-ones. Vicentini CB, et al. **Int J Pept Protein Res** 1980 Jul;16(1):48–54

ADMINISTRATION & DOSAGE

Phase I evaluation of IMPY in a twice weekly schedule. Haas CD, et al. **Cancer Treat Rep** 1981 May–Jun; 65(5–6):439–41

Serum levels of benzydamine following the topical use of this drug in gynecology. Catanese B, et al. **Clin Exp Obstet Gynecol** 1980;7(2):84–8

ADVERSE EFFECTS

Clinical toxic effects of 2,3-dihydro-1H-imidazo[1,2-b]pyrazole (IMPY) with relevant pharmacokinetic parameters. Neidhart JA, et al. **Cancer Treat Rep** 1980 Feb–Mar;64(2–3):251–5

Phase I clinical trial of weekly iv 2,3-dihydro-1H-imidazo[1,2-b]pyrazole (IMPY). Vogel CL, et al. **Cancer Treat Rep** 1980 Oct–Nov; 64(10–11):1153–6

Inhibition of platelet aggregation by tartrazine and a pyrazolone analogue in normal and allergic individuals. Gallagher JS, et al. **Clin Allergy** 1980 Nov;10(6):683–90

ANALYSIS

Clinical pharmacology of IMPY by radioimmunoassay. Fong KL, et al. **Cancer Treat Rep** 1980;64(12):1253–60

Further production and characterization of antibodies reactive with pyrazolone derivatives. Takatori T, et al. **J Immunol Methods** 1980;35(1–2):147–55

CHEMICAL SYNTHESIS

Synthesis and study of the potential antiallergic activity of some pyrazole derivatives. Di Parsia MT, et al. **J Med Chem** 1981 Jan;24(1):117–9

Synthesis and antischistosomal activity of certain pyrazolo[1,5-a]pyrimidines. Senga K, et al. **J Med Chem** 1981 May;24(5):610–3

Synthesis of phenylurethans of 1,2-dialkyl-4-pyrazolidinols as anticonvulsant agents. Kornet MJ. **J Pharm Sci** 1980 Jun;69(6):729–31

Non-steroidal anti-inflammatory agents. 4-[1-(3, 5-disubstituted-2-thio-thio-1,3,5-perhydrotriazinyl)]-2,3-Farghaly AM, et al. **Pharmazie** 1980;35(10):596–8

Some novel pyrazolone derivatives as anti-inflammatory agents. Farghaly AM, et al. **Pharmazie** 1981;36(2):93–5

Studies in potential organo-fluorine antibacterial agents. Part 6: Synthesis and antibacterial activity of some new fluorine containing 1,3,4,5,7-pentasubstituted dipyrazolo[3,4-b,; 4,3-3]pyridines. Joshi KC, et al. **Pharmazie** 1981 May; 36(5):336–7

[Pyrazolidine-diones. II. Synthesis of benzylidene, of benzyl pyrazolidine-3,5-diones and 4-spiro cyclopropyl pyrazolidine-3,5-diones (author's transl)] Chraibi A, et al. **Ann Pharm Fr** 1981 Feb;38(5):429–38 (Eng. Abstr.) **(Fre)**

[Pyrazolidine-diones. I. Synthesis of benzylmalonyl and aryl cyclopropyl dihydrazides (author's transl)] Chraibi A, et al. **Ann Pharm Fr** 1980 Oct;38(4):343–52 (Eng. Abstr.) **(Fre)**

[N1-substituted 1H-indazole-3-ethyl carboxylates and 1H-indazole-3-hydroxamic acids] Bistocchi GA, et al. **Farmaco [Sci]** 1981 May;36(5):315–33 (Eng. Abstr.) **(Fre)**

[Synthesis and physico-chemical properties of lonazolac-Ca, a new antiphlogistic/antirheumatic agent] Rainer G, et al. **Arzneimittelforsch** 1981;31(4):649–55 (Eng. Abstr.) **(Ger)**

[Synthesis and anti-fungal activity of 5-aminopyrazole derivatives] Giori P, et al. **Farmaco [Sci]** 1979 Apr; 34(4):277–83 (Eng. Abstr.) **(Ita)**

METABOLISM

Kinetics and metabolism of pyrazolones (propyphenazone, aminopyrine and dipyrone). Volz M, et al. **Br J Clin Pharmacol** 1980 Oct;10 Suppl 2:299S–308S (38 ref.)

PHARMACODYNAMICS

Inhibition of arachidonic acid cyclo-oxygenase and lipoxygenase activities of leukocytes by indomethacin and compound BW755C. Randall RW, et al. **Agents Actions** 1980 Dec;10(6):553–5

Effect of cimetidine on basal and betazole-stimulated gastric acid secretion in peptic ulcer. Ribeiro TC, et al. **Arq Gastroenterol** 1980 Jan–Mar;17(1):4–6

Studies on the pharmacology and cytokinetics of 2,3-dihydro-1H-imadazo[1,2-b]pyrazole (NSC 51143) with P815 mastocytoma cells. Allen LM, et al. **Cancer Res** 1980 Nov;40(11):4059–63

Mode of inhibition of tumor cell ribonucleotide reductase by 2,3-dihydro-1H-pyrazolo[2,3-a]imidazole (NSC 51143). Cory JG, et al. **Cancer Res** 1980 Nov;40(11):3891–4

Pyrazole-insensitive alcohol dehydrogenase activity in human serum. Skurský L, et al. **Drug Alcohol Depend** 1980 Sep;6(3):187–90

Effect of lipoxygenase inhibitors on release of slow-reacting substances from human lung. Armour CL, et al. **Eur J Pharmacol** 1981 Jun 10;72(1):93–6

Action of pyrazolopyridines as modulators of [3H]flunitrazepam binding to the gaba/benzodiazepine receptor complex of the cerebellum. Supavilai P, et al. **Eur J Pharmacol** 1981 Mar 12;70(2):183–93

Pharmacological activity of some pyrazolo[1,5-a]pyrimidines. Pirisino R, et al. **Farmaco [Sci]** 1979 Sep;34(9):802–7

Inhibition of catalase in vitro and in vivo by 4-hydroxypyrazole, a metabolite of pyrazole. MacDonald E, et al. **FEBS Lett** 1980 Oct 20;120(1):61–4

Inhibition of dopamine-beta-hydroxylase by a metabolite of pyrazole, 4-hydroxypyrazole, in vitro. Pispa JP, et al. **FEBS Lett** 1980 Oct 20;120(1):64–6

The effect of intravenously administered Palerol and Litalgin on the contraction of the human gallbladder. Kanto J, et al. **Int J Clin Pharmacol Ther Toxicol** 1981 May;19(5):206–8

Synthesis and antiherpetic activity of some 4-[(aryloxy)alkyl]pyrazoles. Diana GD, et al. **J Med Chem** 1981 Jun;24(6):731–5

Action of antischistosomal drugs, hycanthone and its analog 1A-4 N-oxide, on viral interferon induction. Hahon N, et al. **J Toxicol Environ Health** 1980 Jul;6(4):705–12

Lonidamine, a selective inhibitor of aerobic glycolysis of murine tumor cells. Floridi A, et al. **JNCI** 1981 Mar; 66(3):497–9

Ethanol-induced inhibitions of testicular steroidogenesis in the male rat: mechanisms of actions. Cicero TJ, et al. **Life Sci** 1981 Feb 23;28(8):871–7

Histochemical and ultrastructural investigation of the combined action of pyrazole and ethanol on rat liver. Składziński J, et al. **Mater Med Pol** 1979 Oct–Dec; 11(4):355–9

Binding of organic ions by proteins. 2. Effects of 1-benzyl-3-indazoleoxyacetate at low concentration on the oxygen affinity of human hemoglobin. Amiconi G, et al. **Mol Cell Biochem** 1981 May 26;36(3):143–6

Antifungal properties of some pyrazolyl-alkyl-sulfides. Electron microscopic evidence in two dermatophytes and Candida albicans. Vannini GL, et al. **Mycopathologia** 1981 Apr 10;74(1):7–14

Pyrazole exacerbates handling-induced convulsions in mice. Crabbe JC, et al. **Neuropharmacology** 1981 Jun;20(6):605–9

Influence of a chronic new potential antidepressant, 1-[3-(dimethylamino)propyl]-5-methyl-3-phenyl-1H-ind and its N-desmethylated compound(FS97): treatment on monoaminergic receptor sensitivity in the rat brain. Koide T, et al. **Neuropharmacology** 1981 Mar;20(3):285–92

Preferential inhibition of type B-MAO by new compounds, 1-[3-(dimethylamino)propyl]-5-methyl-3-phenyl-1h-inda and its N-desmethylated derivative (FS97). Koide T, et al. **Neuropharmacology** 1980 Sep;19(9):871–5

Synthesis and biological properties of pyrazo-[3,4-B]-pyridine derivatives. II. Kuczyński L, et al. **Pol J Pharmacol Pharm** 1981 Jan–Feb;33(1):107–13

Central action of mepiprazole. Maj J, et al. **Pol J Pharmacol Pharm** 1980 Jul–Aug;32(4):475–84

Colon carcinogenesis and the role of dehydrogenase enzyme activity: inhibition of tumorigenesis by pyrazole. Zedeck MS. **Prev Med** 1980 May;9(3):346–51

Neurochemical studies of an analgesic, 1,3-diphenyl-5-(2-dimethylaminopropionamide)-pyrazole [difenamizole]. Kameyama T, et al. **Res Commun Chem Pathol Pharmacol** 1981 Jan;31(1):31–53

The effect of antral distension in healthy subjects on betazole-stimulated gastric acid secretion and the plasma concentration of immunoreactive neurotensin. Schöön IM, et al. **Scand J Gastroenterol** 1980;15(3):277–82

Decreased vascular prostacyclin (PGI2) in diabetic rats. Stimulation of PGI2 release in normal and diabetic rats by the antithrombotic compound Bay g 6575. Carreras LO, et al. **Thromb Res** 1980 Aug 15–Sep 1;19(4–5):663–70

[Lonazolac-Ca = Calcium [3-(p-chlorophenyl)-1-phenylpyrazole-4[-acetate 1 Pharmacological properties of a new antiinflammatory/antirheumatic drug (author's transl)] Riedel R. **Arzneimittelforsch** 1981;31(4):655–65 (Eng. Abstr.) **(Ger)**

[Effect of the structural characteristics of the alkyl derivatives of imidazole and pyrazole dicarboxylic acid diamides on body respiratory functions] Bogoslovskaia SI, et al. **Farmakol Toksikol** 1980 Nov-Dec;43(6):667–71 (Eng. Abstr.) **(Rus)**

POISONING

Intoxication with pyrazolones. Okonek S. **Br J Clin Pharmacol** 1980 Oct;10 Suppl 2:385S–390S

[Poisoning with pyrazole derivatives] von Mühlendahl KE, et al. **Intensivmed Prax** 1979;(2):47–50 **(Ger)**

THERAPEUTIC USE

Antiviral activity of Win 41258-3, a pyrazole compound, against herpes simplex virus in mouse genital infection and in guinea pig skin infection. Pancic F, et al. **Antimicrob Agents Chemother** 1981 Mar;19(3):470–6

Pyrazole prevention of CC14-induced ultrastructural changes in rat liver. Bernacchi AS, et al. **Br J Exp Pathol** 1980 Oct;61(5):505–11

Muzolimine: a new high-ceiling diuretic suitable for patients with advanced renal disease. Canton AD, et al. **Br Med J [Clin Res]** 1981 Feb 21;282(6264):595–8

Therapeutic effects of topical benzydamine in gynecology. Mega M, et al. **Clin Exp Obstet Gynecol** 1980;7(1):25–36

[Preventing postoperative edema with Irritren. Results of a double-blind study] Biehl G. **Fortschr Med** 1981 May 21; 99(19):745–8 (Eng. Abstr.) **(Ger)**

[Analgesic and antiphlogistic effect of a benzydamine gargle solution in a double-blind experiment] Eigel T. **Med Welt** 1981 May 8;32(19):746–8 **(Ger)**

[Acceptability of Tantum Verde (a gargle solution)] Engels I. **Med Welt** 1980 Dec 5;31(49):1803–4 **(Ger)**

[Pharmacodynamic and pharmacokinetic studies of muzolimine in patients with hepatogeneous ascites (author's transl)] Loew D, et al. **Z Gastroenterol** 1980 Oct; 18(10):537–42 (Eng. Abstr.) **(Ger)**

[Palerol comp. Continued first drug of choice in pains caused by kidney and bile stones?] Oye I, et al. **Tidsskr Nor Laegeforen** 1980 Apr 30;100(12):698–9 **(Nor)**

[Treatment of prostatic disorders with a combination of Prunus africana and benzidamine] Ahmad Samhan K. **Arch Esp Urol** 1980 Jul–Aug;33(4):417–24 (Eng. Abstr.) **(Spa)**

TOXICITY

Chronic toxicity of pyrazolones: the problem of nitrosation. Kramer M. **Br J Clin Pharmacol** 1980 Oct;10 Suppl 2:313S–317S (4 ref.)

Preclinical toxicologic study of 2,3-dihydro-1H-imidazo[1,2-b] pyrazole (IMPY) in mice, dogs, and monkeys. Henry MC, et al. **Cancer Treat Rep** 1980 Oct–Nov;64(10–11):1031–8

Genetic analysis of adenine-3 mutants induced by hycanthone, lucanthone and their indazole analogs in Neurospora crassa. Ong T, et al. **J Environ Pathol Toxicol** 1980 Nov;4(5–6):1–8

PYRENES

Pyranine (8-hydroxy-1,3,6-pyrenetrisulfonate) as a probe of internal aqueous hydrogen ion concentration in phospholipid vesicles. Clement NR, et al. **Biochemistry** 1981 Mar 17;20(6):1534–8

Topography of rhodopsin in retinal rod outer segment disk membranes. Photochemical labeling with 1-azidopyrene. Smith DP, et al. **Biochemistry** 1981 Apr 28;20(9):2417–24

Fluorescence decay kinetics of pyrene in membrane vesicles. Liu BM, et al. **Biophys Chem** 1980 Dec;12(3–4):341–55

Excimer-forming lipids in membrane research. Galla HJ, et al. **Chem Phys Lipids** 1980 Oct;27(3):199–219

Fluorimetry study of N-(1-pyrenyl)iodoacetamide-labelled F-actin. Local structural change of actin protomer both on polymerization and on binding of heavy meromyosin. Kouyama T, et al. **Eur J Biochem** 1981;114(1):33–8

BIOSYNTHESIS

Metabolic activation of cyclopenta(cd)pyrene to 3,4-epoxycyclopenta(cd)pyrene by rat liver microsomes. Gold A, et al. **Cancer Res** 1980 Nov;40(11):3940–4

BLOOD

Monitoring volume changes in red cell ghosts by means of a trapped fluorescent probe. Kutchai H. **J Biochem Biophys Methods** 1981 Jun;4(5–6):321–7

DIAGNOSTIC USE

Kinetics of partly diffusion controlled reactions. VII - Pyrene excimer formation in erythrocyte membranes. Donner M, et al. **Biochem Biophys Res Commun** 1980 Dec 16; 97(3):1183–91

Determination of serum iron and the total iron-binding capacity with a new chromogen, 4-aminophenazone. Marsili G, et al. **Ric Clin Lab** 1980 Apr-Jun;10(2):423–9

METABOLISM

Metabolism of cyclopenta(cd)pyrene at the K-region by microsomes and a reconstituted cytochrome P-450 system from rat liver. Eisenstadt E, et al. **Biochem Biophys Res Commun** 1981 Jun 16;100(3):965-71

Metabolic formation of pyrenequinones as enhancing agents of mutagenicity in Salmonella. Okamoto H, et al. **Cancer Lett** 1981 Jan;11(3):215-20

Metabolic activation of cyclopenta(cd)pyrene to 3,4-epoxycyclopenta(cd)pyrene by rat liver microsomes. Gold A, et al. **Cancer Res** 1980 Nov;40(11):3940-4

Increased binding of a hydrophobic, photolabile probe to Escherichia coli inversely correlates to membrane potential but not adenosine 5'-triphosphate levels. Wolf MK, et al. **J Bacteriol** 1981 Jan;145(1):341-7

PHARMACODYNAMICS

Distribution of shape-changing compounds across the red cell membrane. Matayoshi ED. **Biochemistry** 1980 Jul 22; 19(15):3414-22

Mutagenesis and morphological transformation of mammalian cells by a non-bay-region polycyclic cyclopenta(cd)pyrene and its 3,4-oxide. Gold A, et al. **Cancer Res** 1980 Dec;40(12):4482-4

Mutagenicity and tumor-initiating activity of cyclopenta(c,d)pyrene and structurally related compounds. Wood AW, et al. **Cancer Res** 1980 Mar;40(3):642-9

The extraordinary mutagenicity of nitropyrenes in bacteria. Mermelstein R, et al. **Mutat Res** 1981 Jul;89(3):187-96

TOXICITY

Metabolic formation of pyrenequinones as enhancing agents of mutagenicity in Salmonella. Okamoto H, et al. **Cancer Lett** 1981 Jan;11(3):215-20

PYRETHRINS

The use of permethrin (NRDC 143) in pre-seasonal treatment of mosquito breeding sites. Rettich F. **Folia Parasitol (Praha)** 1980;27(3):265-8

Chigger mites: efficacy of control with two pyrethroids. Roberts RH, et al. **J Econ Entomol** 1980 Dec;73(6):811-2

Evaluation of pyrethroids impregnated in cattle ear tags for control of face flies and horn flies. Williams RE, et al. **J Econ Entomol** 1980 Dec;73(6):791-2

Laboratory evaluation of repellent properties against birds of the synthetic pyrethroid decamethrin. David D. **Poult Sci** 1981 Jun;60(6):1149-51

[The present availability of dimethoate and permethrin in fly control in stables in the area of the Federal Republic of Germany (author's transl)] Künast C, et al. **DTW** 1981 May 5;88(5):187-92 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

[Acute thrombopenic purpura after exposure to Muchozol extra] Jarczok K, et al. **Pol Tyg Lek** 1980 May 12; 35(19):711-2 (Eng. Abstr.) **(Pol)**

ANALYSIS

Persistence of five pyrethroid insecticides in sterile and natural, mineral and organic soil. Chapman RA, et al. **Bull Environ Contam Toxicol** 1981 Apr;26(4):513-9

METABOLISM

Studies of possible bovine urinary excretion and rumen decomposition of fenvalerate insecticide and metabolite. Wszolek PC, et al. **Bull Environ Contam Toxicol** 1981 Feb; 26(2):262-6

Metabolism of cis- and trans-cypermethrin in rats. Balance and tissue retention study. Crawford MJ, et al. **J Agric Food Chem** 1981 Jan-Feb;29(1):130-5

Metabolites of cis- and trans-permethrin in lactating goats. Ivie GW, et al. **J Agric Food Chem** 1980 Nov-Dec; 28(6):1131-8

Elimination and metabolism of permethrin isomers in rainbow trout. Glickman AH, et al. **Toxicol Appl Pharmacol** 1981 Jan;57(1):88-98

PHARMACODYNAMICS

Interaction of pyrethroids with the Na+ channel in mammalian neuronal cells in culture. Jacques Y, et al. **Biochim Biophys Acta** 1980 Aug 14;600(3):882-97

The effect of cismethrin on the rat dorsal root potentials. Smith PR. **Eur J Pharmacol** 1980 Aug 22;66(1):125-8

The flushing-out activity of pyrethrum and synthetic pyrethroids on Panstrongylus megistus, a vector of Chagas's disease. Pinchin R, et al. **Trans R Soc Trop Med Hyg** 1980;74(6):801-3

[Biological activity of decamethrin NRDC 161 against household insects (author's transl)] Zhang GL. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1979;13(4):211-3 **(Chi)**

THERAPEUTIC USE

Pyriderm shampoo in the treatment of Pediculosis capitis. Lange K, et al. **Acta Derm Venereol (Stockh)** 1981; 61(1):91-2

Treatment of public lice infestation: a comparison of two agents. Smith DE, et al. **Cutis** 1980 Dec;26(6):618-9

Field trials to assess the efficacy of permethrin for the control of flies on cattle. Bailie HD, et al. **Vet Rec** 1980 Feb 9; 106(6):124-7

A field trial to determine the effect of fly control using permethrin on milk yields in dairy cattle in the UK. Morgan DW, et al. **Vet Rec** 1980 Feb 9;106(6):121-3

Use of synthetic pyrethroids [letter] Titchener RN, et al. **Vet Rec** 1980 Nov 29;107(22):517-8

TOXICITY

Structure-activity relationships of some pyrethroids in rats. Verschoyle RD, et al. **Arch Toxicol** 1980 Oct;45(4):325-9

Impact and joint action of decamethrin and permethrin and freshwater fishes on mosquitoes. Mulla MS, et al. **Bull Environ Contam Toxicol** 1981 May;26(5):689-95

Biochemical changes in the rat cerebellum following cypermethrin administration. Lock EA, et al. **Toxicol Appl Pharmacol** 1981 Jul;59(3):508-14

PYRETHRUM

Erythema multiforme due to pyrethrum. Shnaps Y, et al. **Clin Pediatr (Phila)** 1981 Jan;20(1):68

Compositae dermatitis in South Australia: contact dermatitis from Chrysanthemum parthenium. Burry JN. **Contact Dermatitis** 1980 Oct;6(6):445

The flushing-out activity of pyrethrum and synthetic pyrethroids on Panstrongylus megistus, a vector of Chagas's disease. Pinchin R, et al. **Trans R Soc Trop Med Hyg** 1980;74(6):801-3

PYRIDAZINES

Highly sensitive assays for proteinases using immobilized luminogenic substrates. Branchini BR, et al. **Biochem Biophys Res Commun** 1980 Nov 17;97(1):334-9

Effect of cholinesterase on the chemiluminescence of luminol. Kunec-Vajić E. **Experientia** 1981 May 15;37(5):462-3

[Pyridaziniums (XI). Effect of N-2',4',6'-trimethoxyphenacyl bromide on 3-phenylpyridazine (letter)] Petrovanu M, et al. **Rev Med Chir Soc Med Nat Iasi** 1980 Jul-Sep; 84(3):507-8, 514 **(Fre)**

ADMINISTRATION & DOSAGE

Cinoxacin in therapy of urinary tract infections. Comparison of two dosage regimens. Cox CE, et al. **Urology** 1981 Jun; 17(6):539-41

ANALYSIS

Analysis of 1,4-dimorpholino-7-phenylpyrido[3,4-d]pyridazine (DS-511) and its metabolites in biological specimens. III. Fluorodensitometric method for the simultaneous determination of DS-511 and its metabolites in urine and bile. Kuwayama M, et al. **Chem Pharm Bull (Tokyo)** 1980 Jul;28(7):2158-65

Residues of maleic hydrazide in field-treated potatoes. Newsome WH. **J Agric Food Chem** 1980 Nov-Dec; 28(6):1312-3

[Method of determination of maleic hydrazine in potatoes] Potrzebnicka K, et al. **Rocz Panstw Zakl Hig** 1980; 31(5):465-9 (Eng. Abstr.) **(Pol)**

CHEMICAL SYNTHESIS

Studies on antiatherosclerotic agents. VII. Synthesis and structure-activity relationship of 4-hydroxymethyl-1(2H)-phthalazinone derivatives. Eguchi Y, et al. **Chem Pharm Bull (Tokyo)** 1980 Sep; 28(9):2763-9

Studies on antiatherosclerotic agents. IX. Synthesis of 7-ethoxycarbonyl-4-hydroxymethyl-6,8-dimethyl-1(2H)-(EG 626). Ishikawa M, et al. **Chem Pharm Bull (Tokyo)** 1980 Sep;28(9):2770-8

Antihypertensive 5,6-diarylpyridazin-3-ones. Buchman R, et al. **J Med Chem** 1980 Dec;23(12):1398-405

Lipophilic and hydrophilic esters of 4-acetyl-2-(2-hydroxyethyl)-5,6-bis(4-chlorophenyl)-2H as antihypertensive agents. Fogt SW, et al. **J Med Chem** 1980 Dec;23(12):1445-8

Synthesis and antihypertensive activity of new 6-heteroaryl-3-hydrazinopyridazine derivatives. Steiner G, et al. **J Med Chem** 1981 Jan;24(1):59-63

[Unexpected anti-inflammatory activity of rigid structures derived from 6-arylpyridazinone antihypertensive agents. II. Synthesis and activity of 5H-indeno(1,2-c)pyridazine and 5H-indeno(1,2-c)pyridazin-3-one] Loriga M, et al. **Farmaco [Sci]** 1979 Jan;34(1):72-80 (Eng. Abstr.) **(Ita)**

[3-Hydrazinepyridazine derivatives. III. Synthesis and anti-hypertensive activity of new 3-(2-acylhydrazine)-pyridazine-6-alkylamino substitutes] Parravicini F, et al. **Farmaco [Sci]** 1979 Apr;34(4):299-310 (Eng. Abstr.) **(Ita)**

[Studies on the syntheses of analgesics. LII. Synthesis of 4a-(3-substituted phenyl)-1,2-disubstituted decahydrocinnoline derivatives (studies on the syntheses of heterocyclic compounds. DCCCXLIII) (author's transl)] Kametani T, et al. **Yakugaku Zasshi** 1980 Jun;100(6):641-8 (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

Luminol-amplified chemiluminescence: a sensitive method for detecting the carrier state in chronic granulomatous disease. Mills EL, et al. **J Clin Microbiol** 1980 Jul;12(1):52-6

ISOLATION & PURIFICATION

Isolation and identification of impurities in 4-acetyl-2-(2'-hydroxyethyl)5,6-bis(4-chlorophenyl)-2H-an antihypertensive agent. Powers LJ, et al. **J Pharm Sci** 1981 Apr;70(4):419-22

METABOLISM

Identification of the decomposition products of hydralazine hydrazones with three endogenous ketones and kinetic study of the formation of 3-methyl-s-triazolo[3,4,a]phthalazine from hydralazine and pyruvic acid] Nakano M, et al. **Chem Pharm Bull (Tokyo)** 1980 Nov;28(11):3407-11

Hydroxyl radical involvement in the luminol chemiluminescence from the reaction of arachidonic acid with sheep vesicular gland microsomes. O'Brien PJ, et al. **Prostaglandins** 1980 May;19(5):683-91

Cinoxacin in urinary tract infections. Theoretical and practical considerations. Madsen PO, et al. **Urology** 1981 May;17(5):496-9

PHARMACODYNAMICS

Interactions of Mycelia sterilia G-1 with venzar and pyramin. Stankiewicz M. **Acta Microbiol Pol** 1981;30(1):33-9

Altered luminol-dependent granulocyte chemiluminescence during an in vitro incubation with an influenza vaccine. Busse WW, et al. **Am Rev Respir Dis** 1981 Jun;123(6):654-8

Luminol-induced neutrophil chemiluminescence. Allred CD, et al. **Biochim Biophys Acta** 1980 Aug 13;631(2):380-5

Investigation of a combined arteriolar dilator and beta-adrenoceptor antagonist (SK & F 92657) in the peripheral vessels of man. Collier JG, et al. **Br J Clin Pharmacol** 1980 Dec;10(6):567-71

Studies in the rat on endralazine, a new antihypertensive drug structurally related to hydralazine. Oates HF, et al. **Clin Exp Pharmacol Physiol** 1981 Mar-Apr;8(2):133-9

Renal function studies with propildazine alone and in combination with propranolol in dogs. Dorigotti L, et al. **Eur J Pharmacol** 1980 Oct 17;67(2-3):275-82

The effects of a new anti-hypertensive agent (endralazin) upon the general and coronary haemodynamics of the anaesthetized dog. Maxwell GM, et al. **Eur J Pharmacol** 1981 Feb 19;69(4):471-6

3-Hydrazinopyridazine derivatives as inhibitors of pyridoxal-phosphate dependent enzymes. Buffoni F, et al. **Farmaco [Sci]** 1980 Oct;35(10):848-55

Inhibitory effects of a new antiallergic agent, azelastine, on passive cutaneous anaphylaxis and expulsion of Nippostrongylus brasiliensis. Kaji R, et al. **Immunopharmacology** 1981 Feb;3(1):49-52

Hemodynamic profile of a new antihypertensive agent D,L-3-[2-(3-t-butylamino-2-hydroxypropoxy)phenyl]-6-(SK&F 92657). Taylor EM, et al. **J Cardiovasc Pharmacol** 1981 Mar-Apr;3(2):337-54

Studies on the autonomic nervous system with SK&F 92657, a new antihypertensive agent causing direct arterial vasodilatation and beta-adrenoceptor blockade. Taylor EM, et al. **J Cardiovasc Pharmacol** 1981 Mar-Apr; 3(2):355-68

Effect of cinoxacin on the conjugal transfer of R-plasmids in Escherichia coli. Vuye A. **J Pharm Belg** 1980 Nov-Dec; 62(6):451-5

Cardiotonic effect of phthalazinol (EG-626) in the isolated guinea pig by myocardium: mechanical and electrophysiological study. Shigenobu K, et al. **J Pharmacobiodyn** 1980 Oct;3(10):543-52

Dissociation of oocyte maturation and ovulation in mice pretreated with a derivative of dihydropyridazinone. Tyler JP, et al. **J Reprod Fertil** 1981 Jul;62(2):455-8

Analysis and comparison of the luminol-dependent chemiluminescence responses of alveolar macrophages and neutrophils. Welch WD, et al. **J Reticuloendothel Soc** 1980 Sep;28(3):275-83

Mutagenicity of maleic acid hydrazide for the TK locus of mouse lymphoma cells. Paschin YV. **Mutat Res** 1981 Jul-Sep;91(4-5):359-62

Selective inhibition by amezinium of intraneuronal monoamine oxidase. Steppeler A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Oct; 314(1):13-6

An analysis of the effects of amezinium on postganglionic sympathetic neurones. Steppeler A, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Oct; 314(1):1-11

Effects of phthalazinol (EG 626) on arterial lipolytic enzyme activities in the rat. Tomita T, et al. **Paroi Arterielle** 1979 Dec;5(4):181-4

Potentiation of anti-aggregating activity of PGI2 by 7-ethoxycarbonyl-6,8-dimethyl-4-hydroxymethyl-1(2H)-(EG-626) in rabbit platelets in vitro. Tanaka K, et al. **Prostaglandins** 1980 Aug;20(2):255-68

[Effects of minaprine hydrochloride on changes in body weight, blood pressure and cerebral amine concentrations induced by unavoidable planter electric shock] Laborit H, et al. **Agressologie** 1981;22(2):59-62 (Eng. Abstr.) **(Fre)**

[Variations in blood lactic acid and glucose levels in the rabbit after infusion of isoprenaline with or without prior infusion of minaprine] Laborit H, et al. **Agressologie** 1981; 22(2):63–4 (Eng. Abstr.) **(Fre)**

[The childhood of minaprine] Laborit H. **Agressologie** 1981; 22(2):43–4 **(Fre)**

[Physiopathology of inhibition and proposals for an original therapeutic response] Laborit H. **Agressologie** 1981; 22(2):45–53 (90 ref.) (Eng. Abstr.) **(Fre)**

[Effect of minaprine on the metabolism of tyrosine in the rat] Topall G, et al. **Agressologie** 1981;22(2):55–7 (Eng. Abstr.) **(Fre)**

[Pharmacological and toxicological investigation of 2,2–diethyl–2,3,5,10–tetrahydro–1H–pyrazolo(1,2–b)phthal a new compound with anti–inflammatory activity] Dalla Vedova R, et al. **Farmaco [Sci]** 1980 Jun;35(6):474–80 (Eng. Abstr.) **(Ita)**

[Anti–platelet aggregation effect of PGI2 potentiated by EG–626] Tanaka K, et al. **Rinsho Byori** 1979;Suppl 40:188–91 **(Jpn)**

[Inhibition of platelet aggregation by platelet inhibitory agents and its relation to their clinical effects] Yasunaga K. **Rinsho Byori** 1979;Suppl 40:181–7 **(Jpn)**

THERAPEUTIC USE

Cytostatic activity of pyridazine derivatives. I. In vitro studies on 1–methoxyphenylpyridazine–6–ones. Hladoń B, et al. **Arch Immunol Ther Exp (Warsz)** 1980;28(3):427–32

Prizidilol, an antihypertensive with precapillary vasodilator and beta–adrenoceptor blocking actions, in primary hypertension. Larsson R, et al. **Clin Pharmacol Ther** 1981 May;29(5):588–93

Dose–response curve and time course of the antihypertensive effect of SKF 92 657, a beta–receptor–blocking and vasodilating compound. Leonetti G, et al.
Clin Sci [Suppl] 1980 Dec;59 Suppl 6:461s–463s

Treatment of outpatient urinary tract infections with cinoxacin. Jones GW, et al. **J Fam Pract** 1980 Aug; 11(2):207–10

A clinical comparison of cinoxacin and nalidixic acid in the treatment of urinary tract infection. Bucy JG. **J Urol** 1981 Jun;125(6):822–4

Comparison of cinoxacin and trimethoprim–sulfamethoxazole in the treatment of urinary tract infections. Schaeffer AJ, et al. **J Urol** 1981 Jun;125(6):825–7

Cinoxacin (Cinobac)—a new drug for urinary tract infections. **Med Lett Drugs Ther** 1981 Jun 26;23(13):57–8

Double–blind assessment of the activity of minaprine (30038–CB) in child psychiatry. Maffla AG.
Pharmatherapeutica 1981;2(9):601–6

Cinoxacin and nalidixic acid in treatment of urinary tract infections. Drylie DM. **Urology** 1981 May;17(5):500–1

Cinoxacin for treatment and prevention of recurrent urinary tract infection. Landes RR. **Urology** 1981 May;17(5):505–10

A comparative drug study of lower urinary tract infections in elderly patients. Lindan R. **Urology** 1981 May; 17(5):502–4

Cinoxacin: an overview. Stamey TA. **Urology** 1981 May; 17(5):492–5

[Cinobar, a new antimicrobial agent for the treatment of urinary infections] Chantrie M. **Acta Urol Belg** 1980 Apr; 48(2):293–7 (Eng. Abstr.) **(Fre)**

[Prevention of recurrent urinary tract infection with cinoxacin. A comparative study with nitrofurantoin] Hardy JC. **Acta Urol Belg** 1980 Oct;48(4):481–7 (Eng. Abstr.) **(Fre)**

[Comparative study with cinoxacin, a new drug for the treatment of urinary tract infections] Van Vliet P, et al. **Acta Urol Belg** 1980 Apr;48(2):299–302 (Eng. Abstr.) **(Fre)**

[Minaprine and stammering] Yana M. **Agressologie** 1981; 22(2):83 **(Fre)**

[Experimentation with minaprine in child psychiatry] Marcelli D, et al. **Neuropsychiatr Enfance Adolesc** 1980 Jul–Aug;28(7–8):349–51 **(Fre)**

TOXICITY

Maleic hydrazide, carcinogenicity study in rats. Van der Heijden CA, et al. **Toxicology** 1981;19(2):139–50

PYRIDINES

Anomalous interaction of 2–thiopyridone with proteins during thiol–disulfide interchange reactions. Harris RB, et al. **Anal Biochem** 1980 Dec;109(2):247–9

Side reaction of methionine with 4–vinylpyridine during acid hydrolysis of modified proteins. Heukeshoven J.
Anal Biochem 1980 Dec;109(2):421–5

A rapid and sensitive spectrophotometric method for determination of hydrogen sulfide with 2,2'–dipyridyl disulfide. Svenson A. **Anal Biochem** 1980 Sep 1;107(1):51–5

An X–ray study on the interaction between indole ring and pyridine coenzymes: crystal structure of 1–methyl–3–carbamoylpyridinium: indole–3–acetic acid (1:1) monohydrate charge–transfer complex. Ishida T, et al. **Arch Biochem Biophys** 1980 Apr 1;200(2):492–502

Controlled coupling of mildly reduced proteins to Sepharose gelatin by heterobifunctional reagent. Habeeb AF.
Biochem Biophys Res Commun 1981 Jun 16;100(3):1154–66

In vivo investigation of some metabolic changes of 3–[bis–(2–chlorethyl)–carbohydrazide]–2,2,5,5–tetramethyl by the NBP–reaction and ESR method. Raĭkova E, et al. **Biochem Pharmacol** 1981 Feb 15;30(4):289–91

Affinities of nucleic acid bases for solvent water. Cullis PM, et al. **Biochemistry** 1981 May 26;20(11):3024–8

A novel preparation of immunoadsorbents. Controlled coupling of proteins to Sepharose–gelatin by heterobifunctional reagent. Habeeb AF.
Biochim Biophys Acta 1981 Apr 3;673(4):527–38

Plasma concentrations and protein binding of disopyramide and mono–N–dealkyldisopyramide during chronic oral disopyramide therapy. Aitio ML. **Br J Clin Pharmacol** 1981 Apr;11(4):369–75

Piroxicam: a review of its pharmacological properties and therapeutic efficacy. Brogden RN, et al. **Drugs** 1981 Sep; 22(3):165–87 (112 ref.)

Oxygenation of indoles by a copper(I) chloride pyridine complex. A new tryptophan 2,3–dioxygenase model system. Balogh–Hergovich E, et al. **J Inorg Biochem** 1980 Dec;13(4):297–303

Ternary complexes between adenosine 5' –triphosphoric acid, 2,2'–bipyridyl and the divalent metal ions manganese (II), cobalt (II), copper (II), and zinc (II). Preparation and physiochemical properties. Cini R, et al.
J Inorg Biochem 1981 Apr;14(2):95–105

Crystal structures of calcium channel antagonists: 2,6–dimethyl–3,5–dicarbomethoxy–4–[2–nitro–, 3–cyano–, 4–(dimethylamino)–, and 2,3,4,5,6–pentafluorophenyl]–1,4–dihydropyridine. Triggle AM, et al. **J Med Chem** 1980 Dec;23(12):1442–5

Nucleophilic selectivity ratios of model and clinical alkylating agents by 4–(4'–nitrobenzyl]pyridine competition. Spears CP. **Mol Pharmacol** 1981 May; 19(3):496–504

Determination of reaction rate constants for alkylation of 4–(p–nitrobenzyl) pyridine by different alkylating agents. Walles SA. **Toxicol Lett** 1980 Feb;5(2):161–7

Comparative pharmacokinetics of nicardipine hydrochloride, a new vasodilator, in various species. Higuchi S, et al.
Xenobiotica 1980 Jun;10(6):447–54

[Photometric determination of microsomal epoxide hydrase activity by the 4–(p–nitrobenzyl)pyridine test] Serrentino R, et al. **Boll Soc Ital Biol Sper** 1980 Nov 30;56(22):2393–7 (Eng. Abstr.) **(Ita)**

[Competitive interactions of serum protein fractions during complex formation with polycations] Kabanov VA, et al. **Mol Biol (Mosk)** 1980;14(1):64–75 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Zimelidine: comparison of different dosage regimes in general practice. Watson JM, et al.
Acta Psychiatr Scand [Suppl] 1981;63(Suppl 290):464–70

Effect of oral disopyramide on serum digoxin levels. A prospective study. Wellens HJ, et al. **Am Heart J** 1980 Dec;100(6 Pt 1):934–5

Some observations on the treatment of ischemic optic neuropathy. Palimeris G, et al. **Ann Ophthalmol** 1979 Oct; 11(10):1539–44

Effect of quinolinic acid on the metabolite profile and regulation of carbohydrate and lipid metabolism in the liver of diabetic rats. Gumaa KA, et al.
Arch Biochem Biophys 1981 Jan;206(1):1–7

Treatment of atrial arrhythmias after cardiac surgery with intravenous disopyramide. Campbell TJ, et al.
Aust NZ J Med 1980 Dec;10(6):644–9

Oral chemotherapy in tinnitus. Kay NJ. **Br J Audiol** 1981 May;15(2):123–4

Efficacy of sublingual nifedipine in the acute treatment of systemic hypertension. Beer N, et al. **Chest** 1981 May; 79(5):571–4

Regional wall motion from radiopaque markers after intravenous and intracoronary injections of nifedipine. Serruys PW, et al. **Circulation** 1981 Mar;63(3):584–91

Study of an anti–arrhythmic agent, disopyramide, in delayed action form ('Ritmoforine' Retard). Nauta IL, et al.
Curr Med Res Opin 1981;7(4):215–26

Corrected data on disopyramide phosphate (Norpace) [letter] Agre K. **Geriatrics** 1981 Jul;36(7):139

Neurotropic drugs as co–medication to psychotropics. Combined administration of a neurotropic drug and a tetracyclic antidepressant. Pöldinger W, et al.
Int Pharmacopsychiatry 1980;15(3):137–42

Treatment of severe hypertension and hypertensive emergency with nifedipine, a calcium antagonistic agent. Takekoshi N, et al. **Jpn Circ J** 1981 Jul;45(7):852–60

Intravenous and oral disopyramide after myocardial infarction. Nicholls DP, et al. **Lancet** 1980 Nov 1; 2(8201):936–8

[Anti–secretory therapy of peptic ulcer with cimetidine and activation of the mucosal barrier with zolimidine: preliminary results of combined treatment] Assisi R, et al. **Clin Ter** 1980 Jun 15;93(5):563–75 (Eng. Abstr.) **(Ita)**

[PO2 and PCO2 after nifedipine administered by the sublingual route in hypertensive patients (author's transl)] Grandillo F, et al. **G Ital Cardiol** 1980;10(5):592–7 (Eng. Abstr.) **(Ita)**

[Effect of a single dose of nifedipine on the cardiovascular system of coronary patients] Słomińska–Petelenz T, et al. **Pol Tyg Lek** 1980 Oct;35(43):1641–4 (Eng. Abstr.) **(Pol)**

[Ergometric evaluation of sublingual nifedipine in angina patients. Double–blind cross–over study compared with a placebo] Ferrero JA, et al. **Rev Esp Cardiol** 1980; 33(6):581–8 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Hypoglycemic effect of disopyramide in a case of diabetes mellitus under insulin treatment. Taketa K, et al.
Acta Med Okayama 1980 Sep;34(4):289–92

Comparison of the cardiovascular effects of amitriptyline and zimelidine using thoracic impedance cardiography. Christie JE, et al. **Acta Psychiatr Scand [Suppl]** 1981;63(Suppl 290):385–92

Cardiovascular, sedative and anticholinergic effects of amitriptyline and zimelidine in young and elderly volunteers. Swift CG, et al.
Acta Psychiatr Scand [Suppl] 1981;63(Suppl 290):425–32

The law and Bendectin [editorial] **Am Fam Physician** 1981 Apr;23(4):80, 81

Disopyramide and antinuclear antibodies [letter] Wanner WR, et al. **Am Heart J** 1981 May;101(5):687–9

Disopyramide (Norpace)–induced hypoglycemia. Goldberg IJ, et al. **Am J Med** 1980 Sep;69(3):463–6

Angina associated with pseudoephedrine [letter] Rosen RA. **Ann Emerg Med** 1981 Apr;10(4):230–1

Myocardial depression with disopyramide [letter] Bauman DJ. **Ann Intern Med** 1981 Mar;94(3):411–2

Thioridazine–associated ventricular tachycardia and isoproterenol [letter] Pietro DA. **Ann Intern Med** 1981 Mar; 94(3):411

Disopyramide–induced Torsade de Pointes. Tzivoni D, et al. **Arch Intern Med** 1981 Jun;141(7):946–7

Disopyramide induced atypical ventricular tachycardia. Chia BL. **Aust NZ J Med** 1980 Dec;10(6):665–8

Extreme tachycardia complicating the use of disopyramide in atrial flutter. Robertson CE, et al. **Br Heart J** 1980 Nov; 44(5):602–3

Nifedipine and beta–blocker drugs. Anastassiades CJ. **Br Med J** 1980 Nov 8;281(6250):1251–2

Unpredictable response to nifedipine in severe cardiac failure. Brooks N, et al. **Br Med J** 1980 Nov 15;281(6251):1324

Lymphocyte sensitisation in nifedipine–induced hepatitis [letter] Davidson AR. **Br Med J** 1980 Nov 15; 281(6251):1354

Pulmonary oedema precipitated by nifedipine. Gillmer DJ, et al. **Br Med J** 1980 Jun 14;280(6229):1420–1

Debendox and congenital malformations in Northern Ireland. Harron DW, et al. **Br Med J** 1980 Nov 22; 281(6252):1379–81

Potentially dangerous effect of disopyramide on atrioventricular conduction in a patient on digitalis. Lara M, et al. **Br Med J** 1980 Jul 19;281(6234):198

Adverse interaction between nifedipine and beta–blockade. Opie LH, et al. **Br Med J** 1980 Nov 29;281(6253):1462

Lymphocyte sensitisation in nifedipine–induced hepatitis. Rotmensch HH, et al. **Br Med J** 1980 Oct 11; 281(6246):976–7

Event recording in a clinical trial of a new medicine. Simpson RJ, et al. **Br Med J** 1980 May 3;280(6223):1133–4

Adverse interaction between nifedipine and beta–blockade [letter] Dean S, et al. **Br Med J [Clin Res]** 1981 Apr 18; 282(6272):1322

Debendox in early pregnancy and fetal malformation. Fleming DM, et al. **Br Med J [Clin Res]** 1981 Jul 11; 283(6248):99–101

Debendox and congenital malformations in Northern Ireland [letter] Shanks RG, et al. **Br Med J [Clin Res]** 1981 Jun 13;282(6280):1972–3

Adverse interaction between nifedipine and beta–blockade [letter] Staffurth JS, et al. **Br Med J [Clin Res]** 1981 Jan 17;282(6259):225

The Bendectin debate. Korcok M. **Can Med Assoc J** 1980 Nov 8;123(9):922–8

Bendectin and fetal malformations [letter] Pearson RD.
Can Med Assoc J 1981 Feb 1;124(3):259

Cardiovascular collapse associated with disopyramide therapy. Desai JM, et al. **Chest** 1981 May;79(5):545–51

Disopyramide–induced heart block. Timins BI, et al.
Chest 1981 Apr;79(4):477–9

Contact allergic sensitivity to zinc pyrithione followed by the photosensitivity dermatitis and actinic reticuloid syndrome. Yates VM, et al. **Contact Dermatitis** 1980 Aug; 6(5):349–50

A case of intra–hepatic cholestasis after disopyramide therapy [letter] Edmonds ME, et al. **Eur J Clin Pharmacol** 1980 Oct;18(3):285–6

Cardiac problems caused by disopyramide.
FDA Drug Bull 1981 Mar;11(1):4–5

Torsade de pointes ventricular tachycardia. A complication of disopyramide shared with quinidine. Wald RW, et al. **J Electrocardiol** 1981 Jul;14(3):301–7

Is Bendectin a teratogen? Cordero JF, et al. **JAMA** 1981 Jun 12;245(22):2307–10

First–trimester drug use and congenital disorders. Jick H, et al. **JAMA** 1981 Jul 24–31;246(4):343–6

More on Bendectin [editorial] MacMahon B. **JAMA** 1981 Jul 24–31;246(4):371–2

Birth defects related to bendectin use in pregnancy. I. Oral clefts and cardiac defects. Mitchell AA, et al. **JAMA** 1981 Jun 12;245(22):2311–4

Fasting hypoglycemia secondary to disopyramide therapy. Report of two cases. Quevedo SF, et al. **JAMA** 1981 Jun 19;245(23):2424

Safety of Debendox [letter] Clarke M, et al. **Lancet** 1981 Mar 21;1(8221):659–60

Debendox in pregnancy [letter] Hall JB. **Lancet** 1981 Jul 18; 2(8238):154–5

Apnoea in a 3-month-old baby prescribed compound linctus containing codeine [letter] Wilkes TC, et al. **Lancet** 1981 May 23;1(8230):1166-7

Debendox and limb reduction deformities. Correy JF, et al. **Med J Aust** 1981 Apr 18;1(8):417-8

Congenital anomalies in relation to the use of doxylamine/dicyclomine and other antenatal factors: an ongoing prospective study. Gibson GT, et al. **Med J Aust** 1981 Apr 18;1(8):410-4

Increased blood pressure following pupillary dilation with 2.5% phenylephrine hydrochloride in preterm infants. Lees BJ, et al. **Pediatrics** 1981 Aug;68(2):231-4

Some cardiovascular problems with disopyramide. Warrington SJ, et al. **Postgrad Med J** 1980 Apr; 56(654):229-33

Cardiovascular effects of amitriptyline, mianserin and zimelidine in depressed patients. Burgess CD, et al. **Prog Neuropsychopharmacol** 1980;4(4-5):523-6

Visual evoked potentials as a predictor of reported side effects during a trial of zimelidine vs. placebo in chronic pain patients. von Knorring L, et al. **Psychiatry Res** 1979 Dec;1(3):225-30

Ventricular tachyarrhythmias induced by disopyramide and other similar anti-arrhythmic drugs. Croft CH, et al. **S Afr Med J** 1981 Jun 6;59(24):871-3

How safe is Bendectin? [news] Kolata GB. **Science** 1980 Oct 31;210(4469):518-9

Public health issues: bendectin, love canal [letter] Paigen B. **Science** 1981 Jan 2;211(4477):6, 8

Acute cardiac failure and hepatic ischemia induced by disopyramide phosphate. Scheinman SJ, et al. **Yale J Biol Med** 1980 Sep-Oct;53(5):361-6

[Lichen planus with photosensitization following pyritinol and PUVA therapy] Dupré A, et al. **Ann Dermatol Venereol** 1980 Jun;107(6):557-9 **(Fre)**

[Squamous eruption of the lichen planus histological type during treatment with pyritinol] Méraud JP, et al. **Ann Dermatol Venereol** 1980 Jun;107(6):561-4 **(Fre)**

[Myasthenia induced by pyrithioxine during the treatment of rheumatoid arthritis (letter)] Kirjner M, et al. **Nouv Presse Med** 1980 Nov 1;9(41):3098 **(Fre)**

[Paradoxic response to disopyramide and quinidine (author's transl)] Breithardt G, et al. **Z Kardiol** 1980 Aug; 69(8):556-61 (Eng. Abstr.) **(Ger)**

ANALYSIS

A stable isotope dilution assay for disopyramide and its [13C, 15N]labelled analogue in biological fluids. Haskins NJ, et al. **Biomed Mass Spectrom** 1980 Feb;7(2):74-9

Quantitative differences in volatiles from healthy mouths and mouths with periodontitis. Kostelc JG, et al. **Clin Chem** 1981 Jun;27(6):842-5

Liquid chromatographic analysis of disopyramide and its mono-N-dealkylated metabolite. Lima JJ. **Clin Chem** 1979 Mar;25(3):405-8

Improved method for gas-liquid chromatographic determination of clopidol in chicken tissues. Suzuki E, et al. **J Assoc Off Anal Chem** 1980 Nov;63(6):1211-4

Use of cation-exchange resin for the detection of alkylpyridines in beer. Peppard TL, et al. **J Chromatogr** 1980 Dec 19;202(2):271-8

[Analysis of active principles in pharmaceutical dosage forms by high pressure liquid chromatography - cimetidine and zolimidine] La Rotonda MI, et al. **Boll Soc Ital Biol Sper** 1980 Jul 15;56(13):1394-8 (Eng. Abstr.) **(Ita)**

ANTAGONISTS & INHIBITORS

Effects of glutamate and aspartate on ataxic gait induced by 3-acetyl pyridine in rats. DeMichele G, et al. **Can J Neurol Sci** 1980 Nov;7(4):451-4

Antagonism of L-glycine to seizures induced by L-kynurenine, quinolinic acid and strychnine in mice. Lapin IP. **Eur J Pharmacol** 1981 May 22;71(4):495-8

BLOOD

Plasma concentrations and protein binding of disopyramide and mono-N-dealkyldisopyramide during chronic oral disopyramide therapy. Aitio ML. **Br J Clin Pharmacol** 1981 Apr;11(4):369-75

Gas-chromatographic determination of disopyramide and its mono-N-dealkylated metabolite in serum with use of a nitrogen-selective detector. Bredesen JE. **Clin Chem** 1980 Apr;26(5):638-40

Gas chromatography and enzyme immunoassay compared for analysis of disopyramide in plasma [letter] Johnston A, et al. **Clin Chem** 1981 Feb;27(2):353

Specific determination of plasma nicardipine hydrochloride levels by gas chromatography-mass spectrometry. Higuchi S, et al. **J Chromatogr** 1981 May 8;223(2):341-9

High-performance liquid chromatography of nifedipine, its metabolites and photochemical degradation products. Pietta P, et al. **J Chromatogr** 1981 Jun 19;210(3):516-21

Plasma levels of zimelidine and norzimelidine in endogenous depression. Hansen LB, et al. **Psychopharmacology (Berlin)** 1980;69(2):157-60

Radioimmunoassay and plasma concentrations of the anti-allergenic agent, 2-methoxy-11-oxo-11-H-pyrido[2,1-b]quinazoline-8-car acid in man. Dixon R, et al. **Res Commun Chem Pathol Pharmacol** 1980 Oct; 30(1):163-70

[Serum concentrations of piroxicam in relation to clinical effectiveness in patients with chronic polyarthritis] Siegmeth W. **Wien Med Wochenschr** 1980;130 Spec No:31-6 **(Ger)**

CHEMICAL SYNTHESIS

Studies on the chemical synthesis of potential antimetabolites. XXIV. The synthesis and antitumor activities of p-tosylhydrazones of 2-formylpyridine 1-oxides and 2-formylazoles 3-oxides. Mizuno Y, et al. **Chem Pharm Bull (Tokyo)** 1980 May;28(5):1584-9

Synthesis of derivatives of 3,5-dinitropyridine aldehydes. Achremowicz L. **Farmaco [Sci]** 1980 Feb;35(2):161-6

3-nitro-2-pyridinesulfenyl (Npys) group. A novel selective protecting group which can be activated for peptide bond formation. Matsueda R, et al. **Int J Pept Protein Res** 1980 Nov;16(5):392-401

Studies on anticoccidial agents. 13. Synthesis and anticoccidial activity of nitropyridine-2- and -3-sulfonamides and derivatives. Morisawa Y, et al. **J Med Chem** 1980 Dec;23(12):1376-80

Synthesis and anticholinergic properties of the enantiomers of 4-(isopropylamino)-2-(2-pyridyl)-2-phenylbutyramide, the mono-N-dealkylated metabolite of disopyramide. Nelson WL, et al. **J Med Chem** 1981 May;24(5):614-7

Studies on antimicrobial agents. 1. Synthesis and relation between the antimicrobial activities and certain physicochemical properties of some N'-(pyridinoacetyl) fatty acid hydrazides. Sicardi SM, et al. **J Med Chem** 1980 Oct;23(10):1139-42

Studies in potential organo-fluorine antibacterial agents. Part 6: Synthesis and antibacterial activity of some new fluorine containing 1,3,4,5,7-pentasubstituted dipyrazolo[3,4-b,; 4,3-3]pyridines. Joshi KC, et al. **Pharmazie** 1981 May; 36(5):336-7

Synthesis of imidazo [4,5-b] pyridine-7-carboxylic acid and some of its derivatives with expected antituberculous activity. Bukowski L. **Pol J Pharmacol Pharm** 1980; 32(5):767-72

[Synthesis and pharmacological property of some 4-(4-phenylpiperazin-1-yl)pyridine-3-sulfonamides (author's transl)] Thunus L, et al. **Ann Pharm Fr** 1980 Oct; 38(4):353-8 (Eng. Abstr.) **(Fre)**

[Synthesis and comparative pharmacological studies of 1,4-dihydro-2,6-dimethyl-4-(3-nitrophenyl)pyridine-3,5-with non-identical ester functions (author's transl)] Meyer H, et al. **Arzneimittelforsch** 1981;31(3):407-9 (Eng. Abstr.) **(Ger)**

[Substances with antiviral activity. XV. Preparation and antiherpes activity of alkyl- and acylamino-dihalogenated pyrimidines and pyridines] Giovanninetti G, et al. **Farmaco [Sci]** 1980 Oct;35(10):879-86 (Eng. Abstr.) **(Ita)**

DIAGNOSTIC USE

Determination of glutathione and glutathione disulfide using glutathione reductase and 2-vinylpyridine. Griffith OW. **Anal Biochem** 1980 Jul 15;106(1):207-12

Modification of the 4-(p-nitrobenzyl) pyridine assay for measurement of melphalan and mechlorethamine in plasma. Skibba JL, et al. **J Pharmacol Methods** 1980 Sep;4(2):155-63

A new low-concentration preparation for mydriasis and cycloplegia. Forman AR. **Ophthalmology (Rochester)** 1980 Mar;87(3):213-5

Olfactory detection thresholds using pyridine, thiophene, and phenethyl alcohol. Perry JD, et al. **Otolaryngol Head Neck Surg** 1980 Nov-Dec;88(6):778-82

[Effect of hypoxia and fenigidin on the action potential duration and the strength of myocardial contraction in frogs] Gendvilene VI, et al. **Biull Eksp Biol Med** 1981 Apr; 91(4):403-4 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Resolution, absolute configuration, and antiarrhythmic properties of the enantiomers of disopyramide, 4-(diisopropylamino)-2-(2-pyridyl)-2-phenylbutyramide. Burke TR Jr, et al. **J Med Chem** 1980 Sep;23(9):1044-8

Isolation of a lethal toxin from Cortinarius orellanus Fr. Kürnsteiner H, et al. **Mycopathologia** 1981 May 8; 74(2):65-72

METABOLISM

Metabolism of zimelidine in rat, dog and man. Identification and synthesis of the principal metabolites. Lundström J, et al. **Arzneimittelforsch** 1981;31(3):486-94

Interaction of 2-formylpyridine thiosemicarbazonato copper (II) with Ehrlich ascites tumor cells. Saryan LA, et al. **Biochem Pharmacol** 1981 Jun 15;30(12):1595-604

The absorption of disopyramide in animals determined using a stable isotope co-administration technique. Haskins NJ, et al. **Biomed Mass Spectrom** 1980 Feb;7(2):80-3

Application of the stable isotope technique to the elucidation of the saturation phenomenon of nicardipine hydrochloride metabolizing enzyme activity in dogs. Higuchi S, et al. **Biomed Mass Spectrom** 1980 Aug;7(8):339-44

Disposition kinetics of disopyramide in patients with renal insufficiency. Shen DD, et al. **Biopharm Drug Dispos** 1980 Jan-Mar;1(3):133-40

The effect of enzyme induction on the metabolism of disopyramide in man. Aitio ML, et al. **Br J Clin Pharmacol** 1981 Mar;11(3):279-85

Pharmacokinetics of oral disopyramide phosphate in patients with renal impairment. Johnston A, et al. **Br J Clin Pharmacol** 1980 Sep;10(3):245-8

Clinical pharmacokinetics of calcium ion antagonists. Eichelbaum M. **Clin Invest Med** 1980;3(1-2):13-7

Disopyramide hemodialysis and kinetics in patients requiring long-term hemodialysis. Sevka MJ, et al. **Clin Pharmacol Ther** 1981 Mar;29(3):322-6

The disposition of DL-3-di-n-butylamino-1-[2,6-bis(4-trifluoromethylphen propanol methanesulfonate in mice. Chung H, et al. **Drug Metab Dispos** 1981 Jan-Feb;9(1):65-6

Metabolism of piroxicam by laboratory animals. Hobbs DC, et al. **Drug Metab Dispos** 1981 Mar-Apr;9(2):114-8

Interspecies comparisons of oxisuran metabolism and pharmacokinetics. Di Carlo FJ. **Drug Metab Rev** 1979; 10(2):225-37 (23 ref.)

Pharmacokinetics of disopyramide in patients with imminent to moderate cardiac failure. Landmark K, et al. **Eur J Clin Pharmacol** 1981 Feb;19(3):187-92

Pharmacokinetics of zimelidine in humans--plasma levels and urinary excretion of zimelidine and norzimelidine after intravenous and oral administration of zimelidine. Love BL, et al. **Eur J Clin Pharmacol** 1981;20(2):135-9

N-Alkylprotoporphyrin IX formation in 3,5-dicarbethoxy-1,4-dihydrocollidine-treated rats. Transfer of the alkyl group from the substrate to the porphyrin. Ortiz de Montellano PR, et al. **J Biol Chem** 1981 Jul 10;256(13):6708-13

The stereoselective disposition of disopyramide in the dog. Giacomini KM, et al. **J Cardiovasc Pharmacol** 1980 Nov-Dec;2(6):825-32

Synthesis and antiinflammatory activity of metabolites of piroxicam. Lombardino JG. **J Med Chem** 1981 Jan; 24(1):39-42

Synthesis and anticholinergic properties of the enantiomers of 4-(isopropylamino)-2-(2-pyridyl)-2-phenylbutyramide, the mono-N-dealkylated metabolite of disopyramide. Nelson WL, et al. **J Med Chem** 1981 May;24(5):614-7

Bioavailability of orally administered propiram fumarate in humans. Korduba CA, et al. **J Pharm Sci** 1981 May; 70(5):521-3

Nicotinamide adenine dinucleotide biosynthesis and pyridine nucleotide cycle metabolism in microbial systems. Foster JW, et al. **Microbiol Rev** 1980 Mar;44(1):83-105 (121 ref.)

Single dose pharmacokinetic data on zimelidine in depressed patients. Montgomery SA, et al. **Neuropharmacology** 1980 Dec;19(12):1221-2

The origin of 1-(3-pyridyl-N-oxide)ethanol as a metabolite of 3-acetylpyridine. Damani LA, et al. **Xenobiotica** 1980 Jul-Aug;10(7-8):645-53

Metabolic fate of nicardipine hydrochloride, a new vasodilator, by various species in vitro. Higuchi S, et al. **Xenobiotica** 1980 Dec;10(12):889-96

[Bioavailability study of 10184 CERM (author's transl)] Aiache JM, et al. **J Pharm Belg** 1981 Jan-Feb;36(1):5-14 (Eng. Abstr.) **(Fre)**

[Microbiological transformation of pyridine] Shevchenko AG, et al. **Mikrobiologiia** 1980 Nov-Dec;49(6):867-9 (Eng. Abstr.) **(Rus)**

[Calcium antagonists in myocardial and smooth muscle physiology. Relation to its therapeutic use (editorial)] Kabela E. **Arch Inst Cardiol Mex** 1980 Sep-Oct;50(5):533-4 **(Spa)**

PHARMACODYNAMICS

Reversible activation of rat liver microsomal glutathione S-transferase activity by 5,5'-dithiobis(2-nitrobenzoic acid) and 2,2'-dipyridyl disulfide. Morgenstern R, et al. **Acta Chem Scand [B]** 1980;34(3):229-30

Pharmacological effects on coronary haemodynamics. A comparative study between atenolol, verapamil, nifedipine and carbocromen. Simonsen S. **Acta Med Scand [Suppl]** 1981;645:97-104

Pre- and postsynaptic effects of zimelidine and norzimelidine on the serotoninergic system: single cell studies in the rat. de Montigny C, et al. **Acta Psychiatr Scand [Suppl]** 1981; 63(Suppl 290):79-90

Cardiovascular effects of zimelidine and other antidepressant in conscious rats. Lindbom LO, et al. **Acta Psychiatr Scand [Suppl]** 1981;63(Suppl 290):380-4

The pharmacology of zimelidine: a 5-HT selective reuptake inhibitor. Ogren SO, et al. **Acta Psychiatr Scand [Suppl]** 1981;63(Suppl 290):127-51

Double-blind comparisons of a selective serotonin reuptake inhibitor, zimelidine, and placebo on quantified EEG parameters and psychological variables. Schenk GK, et al. **Acta Psychiatr Scand [Suppl]** 1981;63(Suppl 290):303-13

Effects of 2-(2-pyridyl)ethylamine (PEA) on the isolated guinea-pig heart. Laher I, et al. **Agents Actions** 1980 Nov; 10(5):417-21

Differential effects of systemic and intracoronary calcium channel blocking agents on global and regional left ventricular function in conscious dogs. Walsh RA, et al. **Am Heart J** 1981 Sep;102(3 Pt 1):341-50

Effects of nifedipine on electrical activity of cardiac cells. Dangman KH, et al. **Am J Cardiol** 1980 Dec 1; 46(6):1059-67

Comparative pharmacology of calcium antagonists: nifedipine, verapamil and diltiazem. Henry PD. **Am J Cardiol** 1980 Dec 1;46(6):1047-58 (113 ref.)

Effects of disopyramide on systemic and coronary hemodynamics and myocardial metabolism in patients with coronary artery disease: comparison with lidocaine. Kötter V, et al. **Am J Cardiol** 1980 Sep;46(3):469–75

Hemodynamic effects of nifedipine in congestive heart failure. Matsumoto S, et al. **Am J Cardiol** 1980 Sep; 46(3):476–80

Electrophysiologic effects of disopyramide phosphate on reentrant ventricular arrhythmia in conscious dogs after myocardial infarction. Patterson E, et al. **Am J Cardiol** 1980 Nov;46(5):792–9

Nifedipine blockade of ergonovine-induced coronary arterial spasm: angiographic documentation. Tiefenbrunn AJ, et al. **Am J Cardiol** 1981 Jul;48(1):184–7

Dose-response effects of tropicamide HCl. Pollack SL, et al. **Am J Optom Physiol Opt** 1981 May;58(5):361–6

Improved performance of ischemic canine myocardium in response to nifedipine and diltiazem. Pérez JE, et al. **Am J Physiol** 1980 Nov;239(5):H658–63

Laboratory and initial clinical studies of nifedipine, a calcium antagonist for improved myocardial preservation. Clark RE, et al. **Ann Surg** 1981 Jun;193(6):719–32

Myocardial preservation with nifedipine: a comparative study at normothermia. Clark RE, et al. **Ann Thorac Surg** 1981 Jan;31(1):3–20

Activity of 2-acetylpyridine thiosemicarbazones against Trypanosoma rhodesiense in vitro. Casero RA Jr, et al. **Antimicrob Agents Chemother** 1980 Aug;18(2):317–22

Inhibition of clinically significant bacterial organisms in vitro by 2-acetylpyridine thiosemicarbazones. Dobek AS, et al. **Antimicrob Agents Chemother** 1980 Jul;18(1):27–36

Mode of action of copper complexes of some 2,2'-bipyridyl analogs on Paracoccus denitrificans. Smit H, et al. **Antimicrob Agents Chemother** 1980 Aug;18(2):249–56

Selective inhibition of thromboxane synthetase by pyridine and its derivatives. Tai HH, et al. **Arch Biochem Biophys** 1980 Sep;203(2):758–63

Comparative antidysrhythmic profiles of bepridil, amiodarone and disopyramide in the guinea-pig and dog. Labrid C, et al. **Arch Int Pharmacodyn Ther** 1981 Jan; 249(1):87–97

Reduction of voluntary morphine consumption following treatment with zimelidine. Rockman GE, et al. **Arch Int Pharmacodyn Ther** 1980 Mar;244(1):123–9

Ultrastructural changes induced by 3-acetylpyridine in the central nervous system of adult rats. Tapia-Arizmendi G, et al. **Arch Invest Med (Mex)** 1980;11(2):281–94 **(Eng, Spa)**

Pharmacology of a new calcium antagonistic compound, isobutyl methyl 1,4-dihydro-2,6-dimethyl-4(2-nitrophenyl)-3,5-pyridinedi (Nisoldipine, Bay k 5552). Kazda S, et al. **Arzneimittelforsch** 1980;30(12):2144–62

Effects of niludipine on regional myocardial blood flow and regional myocardial function in the dog with partial occlusion of the coronary artery. Nomura H, et al. **Arzneimittelforsch** 1980;30(8):1258–62

Comparative coronary vasodilatory effects of nifedipine and niludipine. Ogawa K, et al. **Arzneimittelforsch** 1981; 31(5):770–3

Piroxicam pharmacologic activity and gastrointestinal damage by oral and rectal route. Comparison with oral indometacin and phenylbutazone. Schiantarelli P, et al. **Arzneimittelforsch** 1981;31(1):87–92

Hemodynamic effects of the new vasodilator drug Bay k 5552 in man. Vogt A, et al. **Arzneimittelforsch** 1980; 30(12):2162–4

Effects of quinidine and disopyramide on serum digoxin concentrations. Manolas EG, et al. **Aust NZ J Med** 1980 Aug;10(4):426–9

Activation of homogeneous preparations of hog kidney myo-inositol oxygenase by quinolinic acid and ferrous ions. Reddy CC, et al. **Biochem Biophys Res Commun** 1981 Jun 16;100(3):1389–95

Effect of ticlopidine on arachidonic acid metabolism in platelet phospholipids in vitro. Chap H, et al. **Biochem Pharmacol** 1981 Jun 15;30(12):1463–8

Inhibition of hepatic lipid biosynthesis by 1-(3-chlorophenyl)-1-methyl-2-phenyl-2-(2-pyridine) ethanol, a hypocholesterolemic agent. Ishidate K, et al. **Biochem Pharmacol** 1980 Dec 1;29(23):3207–10

Calcium-antagonists and islet function-XII. Comparison between nifedipine and chemically related drugs. Malaisse WJ, et al. **Biochem Pharmacol** 1981 May 15;30(10):1039–41

Influence of choline, hemicholinium-3 and naphthylvinylpyridine on uptake and acetylation of 3H-labeled choline into hippocampus slices. Rauca C, et al. **Biochem Pharmacol** 1981 Jun 15;30(12):1415–20

Inhibition of calcium influx in rabbit aorta by nicardipine hydrochloride (YC-93). Terai M, et al. **Biochem Pharmacol** 1981 Feb 15;30(4):375–8

In vitro inhibition of vitamin K dependent carboxylation by tetrachloropyridinol and the imidazopyridines. Friedman PA, et al. **Biochemistry** 1980 Jul 8;19(14):3381–6

Inhibition of phosphoenolpyruvate carboxykinase, glyceroneogenesis and fatty acid synthesis in rat adipose tissue by quinolinate and 3-mercaptopicolinate. MacDonald MJ, et al. **Biochim Biophys Acta** 1981 Jan 26; 663(1):302–13

Specific activation of cyclic AMP-dependent protein kinase(s) by H2-histamine agonists in isolated gastric mucosal cells from guinea-pig. Mangeat P, et al. **Biochim Biophys Acta** 1980 May 22;629(3):604–8

Nifedipine and left ventricular function in beta-blocked patients. Joshi PI, et al. **Br Heart J** 1981 Apr;45(4):457–9

Effect of nifedipine on exercise tolerance in angina pectoris. McIlwraith GR, et al. **Br Heart J** 1980 Sep;44(3):335–41

Disopyramide and neuromuscular transmission. Healy TE, et al. **Br J Anaesth** 1981 May;53(5):495–8

The effect of betahistine methanesulphonate upon cerebral blood flow [letter] Hughes RJ, et al. **Br J Clin Pharmacol** 1981 Mar;11(3):309–10

The effects of intravenous disopyramide on cerebral blood flow in volunteers [letter] Maidment CG, et al. **Br J Clin Pharmacol** 1981 Mar;11(3):310–2

Disopyramide and lignocaine. A comparison of cardiac effects using echocardiography. Martin MA, et al. **Br J Clin Pharmacol** 1980 Sep;10(3):237–44

Effects of nifedipine on resistance vessels, arteries and veins in man. Robinson BF, et al. **Br J Clin Pharmacol** 1980 Nov; 10(5):433–8

Effect of zimelidine, a new antidepressant, on appetite and body weight. Simpson RJ, et al. **Br J Clin Pharmacol** 1981 Jan;11(1):96–8

Effect of ticlopidine treatment on liver metabolizing enzymes in man [letter] Thebault JJ, et al. **Br J Clin Pharmacol** 1980 Sep;10(3):311–3

The effect of nifedipine on the sinus and atrioventricular node of the dog heart after beta-adrenergic receptor blockade. Amlie JP, et al. **Br J Clin Prat [Symp Suppl]** 1980;Suppl 8:9–13

Effects of nifedipine on myocardial perfusion and ischemic injury in dogs. Henry PD, et al. **Br J Clin Prat [Symp Suppl]** 1980;Suppl 8:14–24

Inhibition of the slow inward current by nifedipine in mammalian ventricular myocardium. Kohlhardt M, et al. **Br J Clin Prat [Symp Suppl]** 1980;Suppl 8:3–8

The cardiac electrophysiological effects of nifedipine. Padeletti L, et al. **Br J Clin Prat [Symp Suppl]** 1980;Suppl 8:27–31

A comparison of the effects of nifedipine and verapamil on rat vas deferens. French AM, et al. **Br J Pharmacol** 1981 Jun;73(2):321–3

Attenuation of pethidine-induced antinociception by zimelidine, an inhibitor of 5-hydroxytryptamine reuptake. Gebhart GF, et al. **Br J Pharmacol** 1980 Nov;70(3):411–4

Hyperglycaemic effect of nifedipine. Charles S, et al. **Br Med J [Clin Res]** 1981 Jul 4;283(6283):19–20

Effect of nifedipine on bronchomotor tone and histamine reactivity in asthma. Williams DO, et al. **Br Med J [Clin Res]** 1981 Aug 1;283(6287):348

Hemodynamic effects of disopyramide at rest and during exercise in normal subjects. Thadani U, et al. **Cathet Cardiovasc Diagn** 1981;7(1):27–34

Effect of a calcium inhibitor, nifedipine, on exercise tolerance in patients with angina pectoris: a double-blind study. Corbalan R, et al. **Chest** 1981 Mar;79(3):302–5

Hemodynamic effects of a single oral dose of nifedipine following acute myocardial infarction. Debaisieux JC, et al. **Chest** 1980 Oct;78(4):574–9

Comments on: 'anticholinergic effects of disopyramide and quinidine on guinea pig myocardium--mediation by direct muscarinic receptor blockade' [letter] Benfey BG. **Circ Res** 1981 Sep;49(3):821

Anticholinergic effects of disopyramide and quinidine on guinea pig myocardium. Mediation by direct muscarinic receptor blockade. Mirro MJ, et al. **Circ Res** 1980 Dec; 47(6):855–65

Electrophysiological effects of the optical isomers of disopyramide and quinidine in the dog. Dependence on stereochemistry. Mirro MJ, et al. **Circ Res** 1981 Jun;48(6 Pt 1):867–74

Variable effect of nifedipine on myocardial blood flow at three grades of coronary occlusion in the dog. Weintraub WS, et al. **Circ Res** 1981 Jun;48(6 Pt 1):937–42

Comparative effects of three calcium antagonists, diltiazem, verapamil and nifedipine, on the sinoatrial and atrioventricular nodes. Experimental and clinical studies. Kawai C, et al. **Circulation** 1981 May;63(5):1035–42

Cardioprotective effects of calcium ion antagonists in myocardial ischemia. Nayler WG. **Clin Invest Med** 1980; 3(1-2):91–9

Hemodynamic effects of calcium ion antagonists after acute myocardial infarction. Théroux P, et al. **Clin Invest Med** 1980;3(1-2):81–5

Effect of nifedipine on glucose tolerance and insulin secretion in diabetic and non-diabetic patients. Donnelly T, et al. **Curr Med Res Opin** 1980;6(10):690–3

Effect of nifedipine on oesophageal motility and gastric emptying. Blackwell JN, et al. **Digestion** 1981;21(1):50–6

Biochemical effects of zimelidine in man. Bertilsson L, et al. **Eur J Clin Pharmacol** 1980 Nov;18(6):483–7

Impairment of insulin secretion in man by nifedipine. Giugliano D, et al. **Eur J Clin Pharmacol** 1980 Nov; 18(5):395–8

Antiarrhythmic evaluation of verapamil, nifedipine, perhexiline and skf 525-A in four canine models of cardiac arrhythmias. Bergey JL, et al. **Eur J Pharmacol** 1981 Mar 26;70(3):331–43

Dissociation of cyclic AMP and contractile responses to isoprenaline: effects of a dihydropyridine derivative, nicardipine (YC-93), on canine ventricular muscle. Endoh M, et al. **Eur J Pharmacol** 1980 Oct 17;67(2-3):225–33

Different antihypertensive effects of nifedipine in conscious experimental hypertensive and normotensive rats. Ishii H, et al. **Eur J Pharmacol** 1980 May 30;64(1):21–9

Effects of disopyramide on transmembrane action potentials in guinea-pig papillary muscles. Kojima M. **Eur J Pharmacol** 1981 Jan 5;69(1):11–24

QSAR in a series of muscarinic agents. Note II - Pyridine and furan derivatives. Pratesi P, et al. **Farmaco [Sci]** 1980 Aug;35(8):621–35

Relaxation of potassium-depolarized canine, bovine and porcine large coronary arteries by nitroglycerin, chromonar and two dihydropyridine calcium antagonists. Gross GJ, et al. **Gen Pharmacol** 1981;12(3):199–204

Structural requirements in dihydropyridines for ferrochelatase inhibition and delta-aminolevulinic acid synthetase induction. Cole SP, et al. **Int J Biochem** 1980; 12(5-6):989–92

Studies on the mechanism of experimental porphyria and ferrochelatase inhibition produced by 3,5-diethoxycarbonyl-1,4-dihydrocollidine. Tephly TR, et al. **Int J Biochem** 1980;12(5-6):993–8

Combined modality of 2-formylpyridine monothiosemicarbazonato copper(II) and radiation. Antholine WE, et al. **Int J Radiat Oncol Biol Phys** 1981 Apr;7(4):491–5

Effects of hemin on the synthesis and intracellular translocation of delta-aminolevulinate synthase in the liver of rats treated with 3,5-dicarbethoxy-1,4-dihydrocollidine. Hayashi N, et al. **J Biochem (Tokyo)** 1980 Nov; 88(5):1537–43

Effect of pyridine homologues on respiratory control and H+/O ratio in mitochondria. Ho Y, et al. **J Biol Chem** 1981 Mar 25;256(6):2611–4

Comparative effects of a new calcium antagonist, FR 7534, nitroglycerin, and dipyridamole on regional myocardial blood flow and cardiac contractility during partial coronary artery occlusion in the dog. Gross GJ, et al. **J Cardiovasc Pharmacol** 1980 Nov-Dec;2(6):797–813

Preparation of protein A-peroxidase monoconjugate using a heterobifunctional reagent, and its use in enzyme immunoassays. Pain D, et al. **J Immunol Methods** 1981; 40(2):219–30

Antihypertensive activity of 6-arylpyrido[2,3-d]pyrimidin-7-amine derivatives. Bennett LR, et al. **J Med Chem** 1981 Apr;24(4):382–9

Cognition-activating properties of 3-(Aryloxy)pyridines. Butler DE, et al. **J Med Chem** 1981 Mar;24(3):346–50

The effect of diltiazem and nisoldipine on spontaneously active human atrial tissue. Lathrop DA, et al. **J Mol Cell Cardiol** 1981 Jan;13(1):111–5

Species differences in the contractile response to two specific histamine H1-receptor agonists: 2-(2-pyridyl)-ethylamine and 2-(2-aminoethyl)-thiazole. Vohra MM. **J Pharm Pharmacol** 1981 Feb;33(2):104–6

Antihypertensive effects of nifedipine on conscious normotensive and hypertensive rats. Kubo T, et al. **J Pharmacobiodyn** 1981 Apr;4(4):294–300

Comparison of two dihydropyridine calcium antagonists on coronary collateral blood flow in acute myocardial ischemia. Jolly SR, et al. **J Pharmacol Exp Ther** 1981 Apr; 217(1):20–5

Blood flow in normal and acutely ischemic myocardium after verapamil, diltiazem and nisoldipine (Bay k 5552), a new dihydropyridine calcium antagonist. Warltier DC, et al. **J Pharmacol Exp Ther** 1981 Jul;218(1):296–302

Improved myocardial protection with nifedipine and potassium-based cardioplegia. Magovern GJ, et al. **J Thorac Cardiovasc Surg** 1981 Aug;82(2):239–44

Electrophysiologic effects of disopyramide in children. Kashani IA, et al. **Jpn Heart J** 1980 Jul;21(4):491–6

Digoxin plasma concentrations and nifedipine [letter] Belz GG, et al. **Lancet** 1981 Apr 11;1(8224):844–5

Comparative anticholinergic potencies of R- and S-disopyramide in longitudinal muscle strips from guinea pig ileum. Giacomini KM, et al. **Life Sci** 1980 Sep 29; 27(13):1191–7

Effects of several calcium antagonists and dipyridamole in the isolated perfused guinea pig heart. Jolly SR, et al. **Life Sci** 1980 Dec 15;27(24):2339–46

Comparison of the effects of griseofulvin and 3,5-diethoxycarbonyl-1,4-dihydro-2,4,6-trimethylpyridine on ferrochelatase activity in chick embryo liver. Cole SP, et al. **Mol Pharmacol** 1981 May;19(3):477–80

1,4-Bis[2-(3,5-dichloropyridyloxy)]benzene, a potent phenobarbital-like inducer of microsomal monooxygenase activity. Poland A, et al. **Mol Pharmacol** 1980 Nov; 18(3):571–80

Antimalarial activity of selected aromatic chelators. Scheibel LW, et al. **Mol Pharmacol** 1980 Sep;18(2):320–5

The mutagenicity of some novel phenyl-imidazopyridines. Middleton RW, et al. **Mutat Res** 1980 Aug;78(4):323–9

Inhibition of hypoxic pulmonary vasoconstriction by nifedipine. Simonneau G, et al. **N Engl J Med** 1981 Jun 25;304(26):1582–5

Preclinical pharmacology of doxpicodin, a new analgesic. Smits SE, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1980;(34):75–81

Interaction of the antihypertensive drug felodipine with calmodulin. Boström SL, et al. **Nature** 1981 Aug 20; 292(5825):777–8

The blockade of Vmax of the atrioventricular action potential produced by the slow channel inhibitors verapamil and nifedipine. Kohlhardt M, et al.

Naunyn Schmiedebergs Arch Pharmacol 1981 Apr; 316(2):178–85

Differential effects of organic slow inward current inhibitors, verapamil and nifedipine, on rate of atrioventricular rhythm and supraventricular tachycardia in the canine isolated, blood-perfused AV node preparation. Motomura S, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Jan; 315(3):241–8

Inhibition by styrylpyridines of purified rat and bovine brain choline acetyltransferase. Ryan RL, et al. **Neurochem Res** 1981 Feb;6(2):163–73

Action of mianserin and zimelidine on the norepinephrine receptor coupled adenylate cyclase system in brain: subsensitivity without reduction in beta-adrenergic receptor binding. Mishra R, et al. **Neuropharmacology** 1980 Oct;19(10):983–7

Long-term treatment with zimelidine leads to a reduction in 5-hydroxytryptamine neurotransmission within the central nervous system of the mouse and rat. Fuxe K, et al. **Neurosci Lett** 1981 Jan 1;21(1):57–62

N-Methylprotoporphyrin IX: chemical synthesis and identification as the green pigment produced by 3,5-diethoxycarbonyl-1,4-dihydrocollidine treatment. Ortiz de Montellano PR, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1490–4

Effect of calcium channel blockers on arachidonate-induced sudden death in rabbits. Okamatsu S, et al. **Proc Soc Exp Biol Med** 1981 Apr;166(4):551–5

Piroxicam, a structurally novel anti-inflammatory compound. Mode of prostaglandin synthesis inhibition. Carty TJ, et al. **Prostaglandins** 1980 May;19(5):671–82

Effects of ticlopidine on platelet prostaglandin metabolism. Possible consequences for prostacyclin production. Lagarde M, et al. **Prostaglandins Med** 1979 Jun;2(6):433–9

Changes in endorphins and 5-hydroxyindoleacetic acid in cerebrospinal fluid as a result of treatment with a serotonin reuptake inhibitor (zimelidine) in chronic pain patients. Johansson F, et al. **Psychiatry Res** 1980 May;2(2):167–72

Comparative pharmacokinetics of zimelidine and desipramine in man following acute and chronic administration. Potter WZ, et al. **Psychiatry Res** 1979 Dec;1(3):273–81

Acute effects of zimelidine and alaproclate, two inhibitors of serotonin uptake, on neuroendocrine function. Syvälahti E, et al. **Psychiatry Res** 1979 Oct;1(2):111–20

Effects of zimelidine on serotoninergic and noradrenergic neurons after repeated administration in the rat. Ross SB, et al. **Psychopharmacology (Berlin)** 1981;72(3):219–25

Hypothetic mechanism of ticlopidine-induced hypersensitivity to PGE1 in rat platelets. Bonne C, et al. **Thromb Res** 1981 Jan 1–15;21(1–2):157–64

Effects of long term administration of ticlopidine on platelet function and hemostatic variables. Conard J, et al. **Thromb Res** 1980 Oct 1;20(1):143–8

Effects of nifedipine (Adalat) on platelet function in vitro and in vivo. Johnsson H. **Thromb Res** 1981 Feb–Mar; 21(4–5):523–8

[Hemodynamic effects of nifedipine after intravenous or intracoronary injection] Serruys PW, et al. **Arch Mal Coeur** 1981 Jan;74(1):73–86 (Eng. Abstr.) **(Fre)**

[Effect of nifedipine on the ventricular diastolic stimulation threshold of the human heart] Diewitz M. **Arzneimittelforsch** 1981;31(2):379–81 (Eng. Abstr.) **(Ger)**

[The effect of disopyramide of left ventricular function: an echocardiographic study of the extent and time course (author's transl)] Angermann C, et al. **Klin Wochenschr** 1981 Jul 15;59(14):803–11 (Eng. Abstr.) **(Ger)**

[Scientific basis of piroxicam (Felden). Pharmacological properties and mechanism of action] Wiseman EH. **Wien Med Wochenschr** 1980;130 Spec No:27–31 **(Ger)**

[The effect of diltiazem and nifedipine on exercise-induced ST-segment depression and heart rate in patients with coronary heart disease (author's transl)] Kober G, et al. **Z Kardiol** 1981 Jan;70(1):59–65 (Eng. Abstr.) **(Ger)**

[Effects of calcium antagonists on left ventricular systolic time intervals in patients with artificial pacemakers] Campa PP, et al. **Boll Soc Ital Cardiol** 1979;24(6):617–9 **(Ita)**

[Calcium antagonists and carbohydrate metabolism] Petralito A, et al. **Boll Soc Ital Cardiol** 1978;23(9):1545–58 **(Ita)**

[Effects of nitroglycerin, nifedipine and dipyridamole on the left coronary blood flow patterns and the myocardial blood flow in the left ventricle (author's transl)] Hirano T, et al. **Kokyu To Junkan** 1980 Sep;28(9):1021–9 (Eng. Abstr.) **(Jpn)**

[Comparative effects of disopyramide and lidocaine on negative inotropic action--evaluation by multigated RI angiography (author's transl)] Kito Y, et al. **Kokyu To Junkan** 1981 Apr;29(4):405–10 (Eng. Abstr.) **(Jpn)**

[Effects of ticlopidine on blood circulation and thrombin-induced platelet aggregation in experimental diabetic rats- and it's efficacy for remedy of diabetic retinopathy (author's transl)] Fujie K, et al. **Nippon Ganka Gakkai Zasshi** 1981 Mar;85(3):242–9 (Eng. Abstr.) **(Jpn)**

[Phase I clinical evaluation of piroxicam] **Ryumachi** 1980 Jun; 20(3):214–9 **(Jpn)**

[Effects of pyridylalanine analogs, glycyrrhizin and cortisone on brain biogenic amine contents, tryptophan pyrrolase and tyrosine aminotransferase in rats (author's transl)] Shimeno H, et al. **Yakugaku Zasshi** 1980 Nov;100(11):1078–86 (Eng. Abstr.) **(Jpn)**

[Effect of propranolol, nifedipine and aminophylline on ST and T changes in spontaneous cardiac rhythm in patients with artificial pacemaker] Swiątecka G. **Kardiol Pol** 1981; 24(5):343–8 (Eng. Abstr.) **(Pol)**

[Effect of synthetic polyelectrolytes on T- and B-cell cooperation after immunization of different genotype mice with artificial antigen (T, G)-A-L] Petrov RV, et al. **Biull Eksp Biol Med** 1981 May;91(5):590–2 (Eng. Abstr.) **(Rus)**

[Mechanism of action of the new calcium current blocker nifedipine (adalate, Bay-1040)] Kshutashvili TSh, et al. **Doki Akad Nauk SSSR** 1980;253(4):982–6 **(Rus)**

[Effect of pyriditol on drug metabolism] Avakumov VM, et al. **Farmakol Toksikol** 1980 Jul-Aug;43(4):417–21 (Eng. Abstr.) **(Rus)**

[Decrease in the activity of cerebral gamma-aminobutyric acid metabolism enzymes under the influence of kynurenines possessing convulsive activity] Lapin IP, et al. **Vopr Med Khim** 1981 Jan-Feb;27(1):27–30 (Eng. Abstr.) **(Rus)**

POISONING

Safety data on zimelidine hydrochloride following an overdose. Georgotas A, et al. **Acta Psychiatr Scand [Suppl]** 1981;63(Suppl 290):257–61

Acute intoxication with diisopyramide: clinical and experimental study by hemoperfusion an Amberlite XAD 4 resin. Gosselin B, et al. **Clin Toxicol** 1980 Oct; 17(3):439–49

Successful management of serious disopyramide poisoning. Holt DW, et al. **Postgrad Med J** 1980 Apr;56(654):256–60

[Disopyramide poisoning] Silberschmidt U. **Schweiz Med Wochenschr** 1981 May 9;111(19):681–3 (20 ref.) (Eng. Abstr.) **(Ger)**

[Disopyramide poisoning] Bruun JN, et al. **Tidsskr Nor Laegeforen** 1980 Nov 20;100(32):1915–6 (Eng. Abstr.) **(Nor)**

THERAPEUTIC USE

Zimelidine to geriatric patients: a pharmacokinetic and clinical study. Dehlin O, et al. **Acta Psychiatr Scand [Suppl]** 1981;63(Suppl 290):410–24

Zimelidine vs maprotiline in depressed outpatients. A preliminary report. d'Elia G, et al. **Acta Psychiatr Scand [Suppl]** 1981;63(Suppl 290):225–35

The treatment of phobic anxiety by zimelidine. Evans L, et al. **Acta Psychiatr Scand [Suppl]** 1981;63(Suppl 290):342–5

A pilot study of the effect of the 5-HT-uptake inhibitor, zimelidine, on phobic anxiety. Koczkas S, et al. **Acta Psychiatr Scand [Suppl]** 1981;63(Suppl 290):328–41

Zimelidine and amitriptyline in the treatment of depressive illness in general practice. Loudon JB, et al. **Acta Psychiatr Scand [Suppl]** 1981;63(Suppl 290):454–63

A double blind comparison of zimelidine and amitriptyline in endogenous depression. Montgomery SA, et al. **Acta Psychiatr Scand [Suppl]** 1981;63(Suppl 290):314–27

The antidepressant efficacy of zimelidine and maprotiline. Montgomery SA, et al. **Acta Psychiatr Scand [Suppl]** 1981; 63(Suppl 290):219–24

Reduction of experimental myocardial infarct size by combined treatment with methylprednisolone sodium succinate and betahistine hydrochloride. Joyce LD, et al. **Adv Shock Res** 1978;1:235–49

Effects of nifedipine on conduction delay during ventricular myocardial ischemia and reperfusion. Fujimoto T, et al. **Am Heart J** 1981 July;102(1):45–52

Treatment of Prinzmetal's variant angina. Role of medical treatment with nifedipine and surgical coronary revascularization combined with plexectomy. Bertrand ME, et al. **Am J Cardiol** 1981 Jan;47(1):174–8

Nifedipine in the treatment of unstable angina, coronary spasm and myocardial ischemia. Hugenholtz PG, et al. **Am J Cardiol** 1981 Jan;47(1):163–73

Comparison of verapamil and nifedipine in the treatment of variant angina pectoris: preliminary observations in 10 patients. Johnson SM, et al. **Am J Cardiol** 1981 Jun; 47(6):1295–300

Effect of verapamil and nifedipine on left ventricular function at rest and during exercise in patients with Prinzmetal's varia: : angina pectoris. Johnson SM, et al. **Am J Cardiol** 1981 Jun;47(6):1289–94

Provocative testing with ergonovine to assess the efficacy of treatment with nifedipine, diltiazem and verapamil in variant angina. Waters DD, et al. **Am J Cardiol** 1981 Jul; 48(1):123–30

Inhibition of exercise-induced asthma by a calcium antagonist, nifedipine. Cerrina J, et al. **Am Rev Respir Dis** 1981 Feb;123(2):156–60

An evaluation of triprolidine and pseudoephedrine in the treatment of allergic rhinitis. Diamond L, et al. **Ann Allergy** 1981 Aug;47(2):87–91

Calcium channel blocking agents in the treatment of cardiovascular disorders. Part I: Basic and clinical electrophysiologic effects. Antman EM, et al. **Ann Intern Med** 1980 Dec;93(6):875–85 (153 ref.)

Nifedipine and Raynaud's phenomenon [letter] Kahan A, et al. **Ann Intern Med** 1981 Apr;94(4 pt 1):546

Efficacy of nifedipine in rest angina refractory to propranolol and nitrates in patients with obstructive coronary artery disease. Moses JW, et al. **Ann Intern Med** 1981 Apr;94(4 pt 1):425–9

Calcium channel blocking agents in the treatment of cardiovascular disorders. Part II: Hemodynamic effects and clinical applications. Stone PH, et al. **Ann Intern Med** 1980 Dec;93(6):886–904 (380 ref.)

Field trial with the coccidiostatics metichlorpindol and robenidine in a rabbit farm. Peeters JE, et al. **Ann Rech Vet** 1980;11(1):49–55

Disopyramide and mexiletine: which is the agent of choice in the long term-oral treatment of lidocaine-responsive arrhythmias? Efficacy comparison in a randomized trial. Trimarco B, et al. **Arch Int Pharmacodyn Ther** 1980 Dec; 248(2):251–9

Nifedipine in hypertension. Expanding applications of a new drug [editorial] Frishman W, et al. **Arch Intern Med** 1981 Jun;141(7):843–4

Treatment of angina pectoris patients with niludipine a new calcium antagonistic drug. Maeda K, et al. **Arzneimittelforsch** 1981;31(5):830–4

Antiaggregatory, physiological and clinical effects of ticlopidine in subjects with peripheral atherosclerosis. Kirstein P, et al. **Atherosclerosis** 1980 Aug;36(4):471–80

Comparison of Syndol and paracetamol in the relief of dental pain. Ladwa RA. **Br Dent J** 1981 Apr 7;150(7):187–8

Primary pulmonary hypertension: effects of nifedipine. Camerini F, et al. **Br Heart J** 1980 Sep;44(3):352–6

Response of atrial flutter to overdrive atrial pacing and intravenous disopyramide phosphate, singly and in combination. Camm J, et al. **Br Heart J** 1980 Sep; 44(3):240–7

A double-blind, crossover, multicentre study of piroxicam and indomethacin in the treatment of rheumatoid arthritis. Finstad R. **Br J Clin Pract** 1981 Jan;35(1):35–9

Piroxicam and naproxen in the treatment of osteoarthritis. Hybbinette CH. **Br J Clin Pract** 1981 Jan;35(1):30–4

Double blind crossover trial of piroxicam and naproxen in the treatment of osteoarthritis of hip and knee. Kogstad O. **Br J Clin Pract** 1981 Jan;35(1):45–50

Comparison of piroxicam with indomethacin in ankylosing spondylitis: a double-blind crossover trial. Sydnes OA. **Br J Clin Pract** 1981 Jan;35(1):40–4

Effect of nifedipine on exercise tolerance in patients with angina pectoris. Atterhög JH, et al. **Br J Clin Prat [Symp Suppl]** 1980;Suppl 8:43–8

Therapeutic effects of pindolol and nifedipine in patients with stable angina pectoris and asymptomatic resting ischemia. Cocco G, et al. **Br J Clin Prat [Symp Suppl]** 1980;Suppl 8:59–65

Comparative effects of nifedipine, verapamil, isosorbide dinitrate and propranolol on exercise-induced angina pectoris. De Ponti C, et al. **Br J Clin Prat [Symp Suppl]** 1980;Suppl 8:53–8

Prinzmetal's variant form of angina pectoris re-evaluation of mechanisms. Endo M, et al. **Br J Clin Prat [Symp Suppl]** 1980;Suppl 8:69–72

A double-blind controlled trial of the anti-anginal efficacy of nifedipine compared with propranolol. Kenmure AC, et al. **Br J Clin Prat [Symp Suppl]** 1980;Suppl 8:49–52

The clinical effect of 4-(2'-nitrophenyl)2,6-dimethyl-3,5-dicarbomethoxy-1,4-d (BAY a 1040) on angina pectoris evaluated by sequential analysis. Kimura E, et al. **Br J Clin Prat [Symp Suppl]** 1980; Suppl 8:39–42

Suppression of repeatedly occurring ventricular fibrillation with nifedipine in variant form of angina pectoris. Kimura E, et al. **Br J Clin Prat [Symp Suppl]** 1980;Suppl 8:73–5

Effects of adalat (nifedipine) on left ventricular hemodynamics in angina pectoris: comparative study with propranolol. Kurita A, et al. **Br J Clin Prat [Symp Suppl]** 1980;Suppl 8:32–6

Effects of pseudoephedrine and triprolidine, alone and in combination, on symptoms of the common cold. Bye CE, et al. **Br Med J** 1980 Jul 19;281(6234):189–90

Objective assessment of antianginal treatment: a double-blind comparison of propranolol, nifedipine, and their combination. Lynch P, et al. **Br Med J** 1980 Jul 19; 281(6234):184–7

Prevention of nifedipine of abnormal coronary vasoconstriction in patients with coronary artery disease. Gunther S, et al. **Circulation** 1981 Apr;63(4):849–55

The angiographic effect of ergonovine and nifedipine in coronary artery spasm. Rich S, et al. **Circulation** 1980 Nov; 62(5):1127–30

Impaired early left ventricular relaxation in coronary artery disease: effects of intracornary nifedipine. Rousseau MF, et al. **Circulation** 1980 Oct;62(4):764–72

Effects of oral disopyramide phosphate on induction of paroxysmal supraventricular tachycardia. Swiryn S, et al. **Circulation** 1981 Jul;64(1):169–75

The use of propranolol and nifedipine in the medical management of angina pectoris. Fox KM, et al. **Clin Cardiol** 1981 May;4(3):125–9

A comparative study of calcium-ion antagonists in patients with variant angina. Waters DD, et al. **Clin Invest Med** 1980;3(1–2):129–35

Doxpicomine in postoperative pain. Wang RI, et al. **Clin Pharmacol Ther** 1981 Jun;29(6):771–5

Drug treatment of vertigo and Ménière's disease. Cinnarizine and betahistine. **Drug Ther Bull** 1981 Feb 27;19(5):17–8

Efficacy of intravenous disopyramide in acute cardiac arrhythmias. De Backer M, et al. **Eur J Clin Pharmacol** 1981 Jan;19(1):11–8

Relationship between the antihypertensive effect and

steady-state plasma concentration of nifedipine given alone or in combination with a beta-adrenoceptor blocking agent. Lederballe Pedersen O, et al. **Eur J Clin Pharmacol** 1980 Oct;18(4):287-93

Indications for bendectin narrowed. **FDA Drug Bull** 1981 Mar;11(1):1-3

Clinical and manometric effects of nifedipine in patients with esophageal achalasia. Bortolotti M, et al. **Gastroenterology** 1981 Jan;80(1):39-44

Nifedipine: offering successful treatment of refractory life-threatening coronary artery spasm. Sol JJ, et al. **Hawaii Med J** 1980 Aug;39(8):195-8

Nifedipine and acute myocardial infarction. Roberts R, et al. **Herz** 1981 Apr;6(2):90-7

Nifedipine--a new calcium antagonist in experimental myocardial necrosis. Ganguly PK, et al. **Indian J Med Res** 1981 Apr;73:617-24

Propiram and codeine in episiotomy pain. Bloomfield SS, et al. **Int J Clin Pharmacol Ther Toxicol** 1981 Apr; 19(4):152-7

Clinical evaluation of antiarrhythmic effects of disopyramide by multiclinical controlled double-blind methods. Kimura E, et al. **Int J Clin Pharmacol Ther Toxicol** 1980; 18(8):338-43

Lack of effect of disopyramide on chronic stable angina [letter] Lahiri A, et al. **J Cardiovasc Pharmacol** 1981 Jan-Feb;3(1):215-6

Analgesic comparison of propiram fumarate with pentazocine, codeine, and placebo in postsurgical pain. Finch JS. **J Clin Pharmacol** 1980 Nov-Dec; 20(11-12):689-92

The effect of Ticlopidine upon platelet function, haemorrhage and post-operative thrombosis in patients undergoing suprapubic prostatectomy. Brommer EJ. **J Int Med Res** 1981;9(3):203-10

Disopyramide for the suppression of ventricular extrasystoles after coronary artery by-pass graft surgery. Cartwright F, et al. **J Int Med Res** 1980;8(6):453-4

Treatment of osteoarthrosis with piroxicam in general practice: long-term follow-up in a multicentre study. Gordon AJ, et al. **J Int Med Res** 1980;8(6):375-81

Prophylactic disopysramide: its clinical effects related to plasma concentration in myocardial infarction. Hillson RM, et al. **J Int Med Res** 1980;8(5):314-20

Therapeutic effect of pyritinol on sequelae of head injuries. Kitamura K. **J Int Med Res** 1981;9(3):215-21

Comparative study with piroxicam and ibuprofen versus placebo in the supportive treatment of minor sports injuries. Santilli G, et al. **J Int Med Res** 1980;8(4):265-9

Betahistine in peripheral vertigo: a double-blind, placebo-controlled, cross-over study of Serc versus placebo. Canty P, et al. **J Laryngol Otol** 1981 Jul; 95(7):687-92

Pyrithioxine and thiopronine: new penicillamine-like drugs in rheumatoid arthritis. Camus JP, et al. **J Rheumatol [Suppl]** 1981 Jan-Feb;7:175-7

Calcium antagonists: long-awaited new therapy for heart disease. Check WA. **JAMA** 1981 Feb 27;245(8):807-10, 815-6

Long-term clinical effect of calcium inhibitors in hypertrophic cardiomyopathy compared to the effect of beta-blocking agents. A preliminary report with special reference to the beneficial effect of nifedipine on angina pectoris. Koide T, et al. **Jpn Heart J** 1981 Jan;22(1):87-102

Randomised placebo-controlled trial comparing oxprenolol with disopyramide phosphate in immediate treatment of suspected myocardial infarction. Wilcox RG, et al. **Lancet** 1980 Oct 11;2(8198):765-9

Nifedipine for coronary-artery spasm [letter] Ippoliti A. **N Engl J Med** 1980 Oct 16;303(16):939-40

Improved diastolic function and systolic performance in hypertrophic cardiomyopathy after nifedipine. Lorell BH, et al. **N Engl J Med** 1980 Oct 2;303(14):801-3

Changes in the augmenter-reducer tendency and in pain measures as a result of treatment with a serotonin-reuptake inhibitor--zimelidine. von Knorring L, et al. **Neuropsychobiology** 1980;6(6):313-8

Intravenous disopyramide phosphate and ventricular overdrive pacing in the termination of paroxysmal ventricular tachycardia. Camm J, et al. **PACE** 1979 Jul; 2(4):395-402

A placebo-controlled study of pyritinol ('Encephabol') in dementia. Cooper AJ, et al. **Pharmatherapeutica** 1980; 2(5):317-22

Efficacy of nifedipine in the treatment of angina pectoris and chronic airways obstruction. Jaiprakash SS, et al. **Postgrad Med J** 1980 Sep;56(659):624-8

Clinical trials with new bicyclic and tetracyclic compounds: zimelidine and maprotiline [proceedings] Claghorn JL, et al. **Psychopharmacol Bull** 1981 Jan;17(1):23-6

Crossover study of zimelidine and desipramine in depression: evidence for amine specificity [proceedings] Potter WZ, et al. **Psychopharmacol Bull** 1981 Jan;17(1):26-9

An evaluation of piroxicam, a new non-steroidal anti-inflammatory agent. A multicentre trial. Tweddell ED, et al. **S Afr Med J** 1981 Jun 13;59(25):915-6

Negative middle ear pressure and hearing thresholds in secretory otitis media. A double-blind crossover study with Lunerin. Møller P. **Scand Audiol** 1980;9(3):171-6

Studies support Bendectin safety claim [news] Smith RJ. **Science** 1981 Jun 26;212(4502):1485

Antithrombotic therapy with ticlopidine in chronic renal failure patients on maintenance hemodialysis--a multicenter collaborative double blind study. Kobayashi K, et al. **Thromb Res** 1980 Oct 15;20(2):255-61

Effect of ticlopidine on human platelet responsiveness ex vivo: comparison with aspirin. Nunn B, et al. **Thromb Res** 1980 Jun 15;18(6):807-813

[Angina pectoris; variations on the nifedipine theme] Offerhaus L, et al. **Ned Tijdschr Geneeskd** 1980 Nov 8; 124(45):1928-32 (Dut)

[The new antiarrhythmia drugs disopyramide and mexiletine] Härtel GU. **Duodecim** 1980;96(5):420-9 (Fin)

[Ticlopidine in heart surgery with cardiopulmonary by-pass (author's transl)] Renner C, et al. **Nouv Presse Med** 1980 Nov 15;9(43):3249-51 (Eng. Abstr.) (Fre)

[Primary pulmonary arterial hypertension. Trial treatment with nifedipine, diazoxide and isoproterenol (letter)] Thomas D, et al. **Nouv Presse Med** 1980 Dec 20; 9(48):3698-9 (Fre)

[Successful nifedipine therapy in coronary spasm] Leisch F. **Acta Med Austriaca** 1979;6(4):129-32 (Eng. Abstr.) (Ger)

[Nifedipine in acute myocardial infarction (author's transl)] Oeff M, et al. **Dtsch Med Wochenschr** 1980 Oct 24; 105(43):1497-501 (Eng. Abstr.) (Ger)

[Treatment of rheumatoid arthritis. Open parallel study with the non-steroidal antirheumatics piroxicam and diclofenac] Rohde J, et al. **Dtsch Med Wochenschr** 1980 Nov 14; 105(46):1614-7 (Eng. Abstr.) (Ger)

[Treatment of Menière's disease in general practice] Bandtlow O. **Fortschr Med** 1980 Nov 20;98(43):1705-7 (Ger)

[Clinical studies of the antiarrhythmic efficacy of disopyramide phosphate (Norpace) (author's transl)] Smith WS. **Herz** 1978 Dec;63(36):399-406 (Ger)

[Piroxicam--a step forward in the treatment of rheumatism] Fischer M. **Med Klin** 1980 Aug 15;75(17):633-5 (13 ref.) (Ger)

[Acute action of nifedipine in patients with obstructive and nonobstructive asymmetrical septum hypertrophy (ASH)] Békés M, et al. **Med Welt** 1980 Sep 26;31(39):1408-11 (Ger)

[The treatment of angina pectoris with nifedipine in a new administrative form] Englert R. **Med Welt** 1981 May 1; 32(18):709-12 (Ger)

[Clinical experiences with the antiarrhythmic therapy using disopyramide] Hombach V, et al. **Med Welt** 1981 Apr 3; 32(14):458-64 (Ger)

[Therapy of ventricular tachyarrhythmia with disopyramid phosphate] Steinbrunn W, et al. **Schweiz Med Wochenschr** 1980 Jun 14;110(24):953-7 (Eng. Abstr.) (Ger)

[Piroxicam, long term effectiveness and tolerance] Dessain P, et al. **Wien Med Wochenschr** 1980;130 Spec No:42-8 (Ger)

[Long-term treatment of inflammatory and degenerative joint diseases with piroxicam - a field trial] Eberl R. **Wien Med Wochenschr** 1980;130 Spec No:36-42 (Ger)

[Piroxicam in degenerative joint diseases (arthroses) in orthopedics] Schwägerl W. **Wien Med Wochenschr** 1980; 130 Spec No:53-7 (Ger)

[Analgesic effectiveness of Felden (piroxicam) in chronic polyarthritis. A placebo controlled study] Tausch G. **Wien Med Wochenschr** 1980;130 Spec No:57-61 (Ger)

[Effectiveness and tolerance of piroxidam in inflammatory and degenerative joint diseases] Thumb N, et al. **Wien Med Wochenschr** 1980;130 Spec No:49-53 (Ger)

[The analgesic effectiveness of piroxicam in arthrosis] Wagenhäuser FJ, et al. **Wien Med Wochenschr** 1980;130 Spec No:61-6 (Ger)

[Quantitative evaluation of an antiarrhythmic therapy (disopyramide) in patients with frequent premature ventricular contractions (PVC) using a computer-assisted long-term ECG analysis system (author's transl)] Weber H, et al. **Z Kardiol** 1981 Jan;70(1):13-21 (Eng. Abstr.) (Ger)

[Clinical observations on the treatment of ischemic cardiac disease with a calcium antagonist: nifedipine] Bufalini AA, et al. **Arch Sci Med (Torino)** 1980 Oct-Dec;137(4):715-24 (Eng. Abstr.) (Ita)

[Calcium antagonists: hemodynamic effects in hypertensive patients] Arata L, et al. **Boll Soc Ital Cardiol** 1979; 24(8):833-41 (Ita)

[Effects of the administration of Ca++ antagonist on bronchial resistance in subjects with chronic obstructive bronchopneumopathy] Bonaduce D, et al. **Boll Soc Ital Cardiol** 1978;23(9):1515-21 (Ita)

[Hemodynamic evaluation of nifedipine in hypertensive subjects] Bonaduce D, et al. **Boll Soc Ital Cardiol** 1980; 25(1):47-53 (Eng. Abstr.) (Ita)

[Calcium antagonists, nitrate derivatives and their combination in the treatment of angina pectoris: an acute study with the cycloergometer] Borgioni L, et al. **Boll Soc Ital Cardiol** 1979;24(6):691-2 (Ita)

[Preliminary evaluation of the use of nifedipine in peripheral circulatory disorders on a functional basis] Cornacchia D, et al. **Boll Soc Ital Cardiol** 1978;23(9):1523-5 (Ita)

[Clinical observations on patients with myocardial and coronary sclerosis, myocardial ischemia with anginal attacks and myocardial infarct treated with nifedipine] D'Amore F, et al. **Boll Soc Ital Cardiol** 1978;23(9):1433-44 (Ita)

[Non-invasive evaluation of the action of nifedipine on left ventricular function in subjects with ischemic cardiopathy] De Caprio L, et al. **Boll Soc Ital Cardiol** 1978; 23(10):1727-33 (Ita)

[Preliminary clinical evaluation of the use of nifedipine] De Pasquale B, et al. **Boll Soc Ital Cardiol** 1978;23(10):1735-7 (Ita)

[Evaluation of the effectiveness of nifedipine in a group of patients with stable angina of effort] Folli G, et al. **Boll Soc Ital Cardiol** 1978;23(10):1713-9 (Ita)

[Influence of nifedipine on the response to exercise in hypertensive patients] Giusti C, et al. **Boll Soc Ital Cardiol** 1978;23(10):1767-72 (Ita)

[Analogy of response to acute and chronic nifedipine therapy in hypertensive and non-hypertensive patients] Longhini C, et al. **Boll Soc Ital Cardiol** 1979;24(7):779-82 (Ita)

[Nifedipine in the treatment of hypertensive crises] Marlettini MG, et al. **Boll Soc Ital Cardiol** 1978;23(9):1477-84 (Ita)

[Clinical and electrocardiographic evaluation of the effects of nifedipine in ischemic cardiopathy with the stenocardiac syndrome] Mastrocola C, et al. **Boll Soc Ital Cardiol** 1978; 23(10):1721-5 (Ita)

[Computerized analysis of the clinical effectiveness of intravenous/disopyramide and procainamide in patients with stabilized and complicated ventricular extrasystole] Naccarella F, et al. **Boll Soc Ital Cardiol** 1979; 24(12):1297-305 (Ita)

[Treatment of hypertensive crises with calcium antagonists] Nicita-Mauro V, et al. **Boll Soc Ital Cardiol** 1978; 23(9):1469-76 (Ita)

[The ergometric test in the evaluation of the effects of nifedipine, verapamil and ethyl cinepazat maleate in angina of effort] Novo S, et al. **Boll Soc Ital Cardiol** 1980; 25(2):139-48 (Ita)

[Acute effects of nifedipine and verapamil on arterial pressure, at rest and during and after exercise in hypertensive patients] Novo S, et al. **Boll Soc Ital Cardiol** 1980;25(2):157-63 (Ita)

[Evaluation of the action of nifedipine on the ischemic myocardium using ergometric and pharmacological tests] Ravazzi PA, et al. **Boll Soc Ital Cardiol** 1978;23(10):1707-12 (Ita)

[Nifedipine in the treatment of hypertensive crises in acute myocardial infarct] Repetto S, et al. **Boll Soc Ital Cardiol** 1978;23(6):1077-8 (Ita)

[Physiopathological aspects of calcium metabolism at the myocardial level. Clinical experience with nifedipine] Ripa R, et al. **Boll Soc Ital Cardiol** 1978;23(6):1079-82 (Ita)

[Effects of nifedipine on arterial hypertension: study of 26 cases] Zennaro P, et al. **Boll Soc Ital Cardiol** 1978; 23(9):1485-93 (Ita)

[Comparative clinical study of 3 drugs with laxative action] Baldassarri R, et al. **Clin Ter** 1980 Jul 15;94(1):67-75 (Ita)

[Nifedipine and essential arterial hypertension refractory to hypotensive therapy: results of a preliminary double-blind study] Del Guercio R, et al. **Clin Ter** 1981 Jan 15; 96(1):45-54 (Eng. Abstr.) (Ita)

[Electrocardiographic changes in myocardial damage; effect of treatment with nifedipine] Del Guercio R, et al. **Clin Ter** 1981 Jan 31;96(2):163-73 (Eng. Abstr.) (Ita)

[Treatment of alkaline reflux gastritis with zolimidine. Controlled study] Materia A, et al. **Clin Ter** 1981 Apr 30; 97(2):183-91 (Eng. Abstr.) (Ita)

[Therapeutic activity of a combination of nicotinyl alcohol, vitamin A and vitamin E in atherosclerotic arteriopathies] Putignano G. **Clin Ter** 1980 Aug 15;94(3):275-82 (Eng. Abstr.) (Ita)

[Effects of a calcium antagonist, nifedipine, on arterial pressure and plasma renin activity in subjects with essential arterial hypertension] Santucci A, et al. **Clin Ter** 1981 Apr 30;97(2):175-82 (Ita)

[Mechanism if action of calcium antagonists (nifedipine) and their value in the treatment of ischemic coronary diseases] Accardo G, et al. **G Clin Med** 1981 Jan;62(1):45-50 (Eng. Abstr.) (Ita)

[Hemodynamic effects of nifedipine in association with nitroderivatives and betablocking drugs (author's transl)] Aquaro G, et al. **G Ital Cardiol** 1980;10(10):1340-8 (Ita)

[Effectiveness and duration of action of nifedipine in effort angina (author's transl)] Arosio G, et al. **G Ital Cardiol** 1980;10(9):1156-70 (Eng. Abstr.) (Ita)

[Acute changes of the mechanical function of the ischaemic left ventricle by sublingual nifedipine (author's transl)] Trevi GP, et al. **G Ital Cardiol** 1980;10(4):424-30 (Eng. Abstr.) (Ita)

[Action of nifedipine on effort tolerance and on the left ventricular function during exercise in patients suffering from angina pectoris (author's transl)] Valenti P. **G Ital Cardiol** 1980;10(4):431-9 (Eng. Abstr.) (Ita)

[Effects of nifedipine on lactate metabolism in ischemic cardiopathy. Evaluation by atrial pacing] Balestra G, et al. **Minerva Med** 1980 Oct 6;71(38):2773-9 (Eng. Abstr.) (Ita)

[Induction and termination of ventricular tachycardia by programmed electrical stimulation of heart--a case in which the effect of disopyramide phosphate was confirmed by the stimulation study (author's transl)] Komatsu C, et al. **Kokyu To Junkan** 1981 Feb;29(2):209-15 (Eng. Abstr.) (Jpn)

[Cardiovascular effects of nifedipine for systemic hypertension associated with aortocoronary bypass graft

surgery (author's transl)] Kuro M, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Feb;29(2):173–8 (Eng. Abstr.) **(Jpn)**

[Clinical evaluation of piroxicam in rheumatoid arthritis by double blind comparative multi-center studies] **Ryumachi** 1980 Jun;20(3):220–8 **(Jpn)**

[Treatment of angina pectoris in general practice with nifedipine – a calcium blocker] Christie F. **Tidsskr Nor Laegeforen** 1981 Apr 20;101(11):646–9 (Eng. Abstr.) **(Nor)**

[Clinical pharmacology of disopyramide] Rewerski W, et al. **Pol Tyg Lek** 1980 Jul 21;35(29):1109–12 (17 ref.) **(Pol)**

[Clinical and immunological effects of treatment of rheumatoid arthritis with pyrithioxin (Enerbol Polfa)] Brühl W, et al. **Reumatologia** 1980;18(3):241–8 (Eng. Abstr.) **(Pol)**

[Reduction of experimental acute myocardial infarction using nifedipine] Sant'Anna JR, et al. **Arq Bras Cardiol** 1980 Mar; 34(3):197–201 (Eng. Abstr.) **(Por)**

[Comparative pharmacodynamics study of korinfar and isoptin in ischemic heart disease] Savvateev KL, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1981;4(1):64–70 (Eng. Abstr.) **(Rus)**

[Calcium antagonists in severe stable post-infarct angina pectoris] González Carmona VM, et al. **Arch Inst Cardiol Mex** 1980 Jul-Aug;50(4):511–6 (Eng. Abstr.) **(Spa)**

[Treatment of severe hypertension with nifedipine associated with beta-blocking agents (author's transl)] Plaza de los Reyes M, et al. **Rev Med Chil** 1981 Feb;109(2):125–9 (Eng. Abstr.) **(Spa)**

TOXICITY

Toxic and teratogenic effects of selected aromatic amines on embryos of the amphibian Xenopus laevis. Davis KR, et al. **Arch Environ Contam Toxicol** 1981;10(3):371–91

Toxic synergism of disopyramide and hyperkalemia. Maddux BD, et al. **Chest** 1980 Oct;78(4):654–6

URINE

The renal clearance of disopyramide after bolus intravenous injection. Lawrence JR, et al. **Biopharm Drug Dispos** 1979 Oct-Dec;1(2):51–7

Doxylamine: a cause for false-positive gas chromatographic assay for phencyclidine. Schaldenbrand JD, et al. **Ther Drug Monit** 1981;3(2):181–3

Zinc pyridinethione: urinary metabolites of zinc pyridinethione in rabbits, rats, monkeys, and dogs after oral dosing. Jeffcoat AR, et al. **Toxicol Appl Pharmacol** 1980 Oct;56(1):141–54

PYRIDINIUM COMPOUNDS

Charge-shift probes of membrane potential: a probable electrochromic mechanism for p-aminostyrylpyridinium probes on a hemispherical lipid bilayer. Loew LM, et al. **Biophys J** 1981 Jun;34(3):353–65

The use of polymethylmethacrylate to compare the adsorption and staining reactions of some cationic antiseptics. Addy M, et al. **J Periodontol** 1981 Jul; 52(7):380–5

Conformational analysis of N-(beta-acetoxyethyl)pyridinium ion: comparisons with acetylcholine. Barone V, et al. **Mol Pharmacol** 1980 Sep;18(2):331–4

[Use of fazadinium in heart surgery. Clinical contribution] Bracali AM, et al. **Minerva Anestesiol** 1980 Dec; 46(12):1243–8 (Eng. Abstr.) **(Ita)**

[Changing the solubilizing capacity of sodium taurocholate and selected tensides using electrolytes] Král'ová K, et al. **Cesk Farm** 1980 Dec;29(10):349–52 (Eng. Abstr.) **(Slo)**

[New progress in detection of antigens from human ejaculate in relationship with human sterility (extraction with N-cetylpyridinium chloride) (author's transl)] Mettler L, et al. **Reproduccion** 1980 Oct-Dec;4(4):357–63 (Eng. Abstr.) **(Spa)**

ADMINISTRATION & DOSAGE

Comparison of fazadinium and suxamethonium for endotracheal intubation in Malaysian patients. Namazie M, et al. **Med J Malaysia** 1980 Jun;34(4):391–4

[Muscular relaxation with AH 8165 (dazopironium) in balanced anesthesia] Campos S, et al. **Rev Esp Anestesiol Reanim** 1980 May;27(3):231–7 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

[Acute pharyngitis caused by inhalation of diquat (author's transl)] Innocenti A, et al. **Med Lav** 1979 Nov-Dec; 70(6):452–4 (Eng. Abstr.) **(Ita)**

[Effect of pyrithiamine on rat sciatic nerve. (II) Morphological changes during the last stages of thiamine deficiency (author's transl)] Oguchi E, et al. **Nippon Yakurigaku Zasshi** 1980 Oct;76(7):567–80 (Eng. Abstr.) **(Jpn)**

[Effect of pyrithiamine on rat sciatic nerve. (I) Morphological changes during the early stage of thiamine deficiency (author's transl)] Oguchi E, et al. **Nippon Yakurigaku Zasshi** 1980 Oct;76(7):553–65 (Eng. Abstr.) **(Jpn)**

ANALYSIS

The use of rotating disk voltammetry for the determination of homogeneous small molecule--redox protein reaction rates. Wei JF, et al. **Anal Biochem** 1980 Jul 15;106(1):269–77

[Paraquat and diquat estimation in biological material (author's transl)] Pícková J, et al. **Cas Lek Cesk** 1981 Jun 25;120(25):774–6 (Eng. Abstr.) **(Cze)**

BLOOD

Clinical pharmacokinetics of fazadinium. Bevan DR, et al. **Anaesthesia** 1980 Sep;35(9):873–8

IMMUNOLOGY

[Modification of the immune response by using an antigen bound to synthetic polyelectrolytes] Petrov RV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Feb;(2):58–63 (Eng. Abstr.) **(Rus)**

METABOLISM

Fazadinium pharmacokinetics in patients with liver disease. Duvaldestin P, et al. **Br J Anaesth** 1980 Aug;52(8):789–94

PHARMACODYNAMICS

Considerations about some mechanical tests of muscles relaxation after injection of pancuronium or fazadinium. Czerucki R, et al. **Acta Anaesthesiol Belg** 1980;31 Suppl:251–3

Changes in plasma potassium and sodium following fazadinium bromide [letter] Famewo CE, et al. **Anaesthesia** 1981 Feb;36(2):226–7

Accumulation of CPC-precipitable material at apical cell surfaces during formation of the optic cup. Hilfer SR, et al. **Anat Rec** 1980 Aug;197(4):423–33

Effect of the bispyridinium compounds HGG12, HGG42, and obidoxime on synaptic transmission and NAD(P)H-fluorescence in the superior cervical ganglion of the rat in vitro. Kirsch DM, et al. **Arch Toxicol** 1981 Jun;47(3):217–32

Reactivation of acetylcholinesterase inhibited by 1,2,2'-trimethylpropyl methylphosphonofluoridate (soman) with HI-6 and related oximes. de Jong LP, et al. **Biochem Pharmacol** 1980 Sep 1;29(17):2379–87

Fazadinium and pancuronium: a pharmacodynamic study. Hull CJ, et al. **Br J Anaesth** 1980 Dec;52(12):1209–21

The effect of distigmine bromide on voiding in male paraplegic patients with reflex micturition. Philp NH, et al. **Br J Urol** 1980 Dec;52(6):492–6

Analysis of oxime-induced neuromuscular recovery in guinea pig, rat and man following soman poisoning in vitro. Smith AP, et al. **Eur J Pharmacol** 1981 Mar 26;70(3):371–9

The efficacy of some bis-pyridinium oximes as antidotes to soman in isolated muscles of several species including man. Wolthuis O, et al. **Eur J Pharmacol** 1981 Mar 26; 70(3):355–69

Evaluation of an oligomer or an oligomer plus cetyl pyridinium chloride against plaque, stain, calculus, and gingivitis. Gaffar A, et al. **J Dent Res** 1981 Aug; 60(8):1432–9

Initial clinical experience with fazadinium bromide during anaesthesia in Nigerians. Umeh BU. **Med J Zambia** 1980 Dec-1981 Jan;15(1):16–8

Pyridinium salts as organophosphate antagonists. Schoene K. **Monogr Neural Sci** 1980;7:85–98

Investigations concerning the action of serveral chemical and biological agents on HBsAg. Morfei A, et al. **Virologie** 1980 Oct-Dec;31(4):273–8

[Accelerating effect of heterocyclic quaternary ammonium salts on neutral ester hydrolysis by acetylcholinesterase and butyrylcholinesterase (author's transl)] Desire B, et al. **Biochim Biophys Acta** 1981 Jun 15;659(2):267–82 (Eng. Abstr.) **(Fre)**

[Precurarization doses of AH 8165 and intraocular pressure] Maneiro B, et al. **Rev Esp Anestesiol Reanim** 1980 May; 27(3):238–44 (Eng. Abstr.) **(Spa)**

POISONING

Diquat intoxication: report of two cases and review of the literature. Vanholder R, et al. **Am J Med** 1981 Jun; 70(6):1267–71 (23 ref.)

[Hemodialysis and hemoperfusion in the treatment of paraquat or diquat poisoning] Mastrangelo F, et al. **Minerva Nefrol** 1979 Jul-Sep;26(3):399–403 (Eng. Abstr.) **(Ita)**

[Histoenzymatic reactions in the cells of the reticuloendothelial system of the liver and spleen and hepatocytes in acute Morfamquat dichloride poisoning] Kaszubkiewicz C, et al. **Pol Arch Weter** 1979;22(1):61–9 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

comparison of the efficacy of HS-6 versus HI-6 when combined with atropine, pyridostigmine and clonazepam for soman poisoning in the monkey. Lipp J, et al. **Arch Int Pharmacodyn Ther** 1980 Jul;246(1):138–48

Clinical trial of fazadinium bromide (fazadon). Famewo CE. **Can Anaesth Soc J** 1981 Mar;28(2):149–52

[Clinical trial of a cetylpyridinium dentifrice] Rebstein F, et al. **SSO** 1981 Jan;91(1):51–7 (Eng. Abstr.) **(Fre)**

TOXICITY

The effect of high concentrations of oxygen on paraquat and diquat toxicity in rats. Pratt IS, et al. **Arch Toxicol [Suppl]** 1980;(4):415–8

Toxicities of paraquat and diquat herbicides to freshwater copepods (Diaptomus sp. and Eucyclops sp.). Naqvi SM, et al. **Bull Environ Contam Toxicol** 1980 Dec;25(6):918–20

Mutagenic and embryotoxic effects of paraquat and diquat. Selypes A, et al. **Bull Environ Contam Toxicol** 1980 Oct; 25(4):513–7

A comparison of the effects of paraquat and diquat on lung compliance, lung volumes and single breath diffusing capacity in the rat. Lam HF, et al. **Toxicology** 1980; 18(2):111–23

[Establishing the MPEL for dipyridyl phosphate in the air of a work area] Demidenko NM, et al. **Gig Tr Prof Zabol** 1980 Sep;(9):48–50 **(Rus)**

[Toxicological characteristics of a new collagen-based pyromecaine ointment] Konobevtsev OF, et al. **Stomatologiia (Mosk)** 1980 Sep-Oct;59(5):27–9 (Eng. Abstr.) **(Rus)**

PYRIDINOLCARBAMATE see under **CARBAMATES**

PYRIDINONES see **PYRIDONES**

PYRIDONES

ANALYSIS

Determination of chlorpyrifos and 3,5,6-trichloro-2-pyridinol residues in peppermint hay and peppermint oil. Inman RD, et al. **J Agric Food Chem** 1981 Mar-Apr;29(2):321–3

Gas chromatographic determination of fluridone aquatic herbicide and its major metabolite in fish. West SD, et al. **J Assoc Off Anal Chem** 1980 Nov;63(6):1304–9

Analysis of mimosine and 3-hydroxy-4(1H)-pyridone by high-performance liquid chromatography. Tangendjaja B, et al. **J Chromatogr** 1980 Dec 19;202(2):317–8

ANTAGONISTS & INHIBITORS

[Abortive activity of mimosine and its prevention (author's transl)] Perea-Sasiain J, et al. **Reproduccion** 1981 Apr-Jun; 5(2):113–8 (Eng. Abstr.) **(Spa)**

CHEMICAL SYNTHESIS

Pyridones as potential antitumor agents II: 4-Pyridones and bioisosteres of 3-acetoxy-2-pyridone. Hwang DR, et al. **J Pharm Sci** 1980 Sep;69(9):1074–6

METABOLISM

Does ruminal metabolism of mimosine explain the absence of Leucaena toxicity in Hawaii? [letter] Jones RJ. **Aust Vet J** 1981 Jan;57(1):55–6

PHARMACODYNAMICS

Changes in the matrix proteins of wool and mouse hair following the administration of depilatory compounds. Gillespie JM, et al. **Aust J Biol Sci** 1980 May;33(2):125–36

Correlation between electroretinographic and electron-microscopic observations of postnatal photoreceptor development in phenylalanine- and omega-hydroxyhexylpyridone-2-treated rats. Gauri K, et al. **Bibl Anat** 1981;(19):264–8

[The influence of L-phenylalanine on the postnatal development of the electroretinogram in the rat] Kühn FM, et al. **Bibl Anat** 1981;(19):269–87 **(Ger)**

PYRIDOSTIGMINE BROMIDE

ADVERSE EFFECTS

Toxic alopecia caused by pyridostigmine bromide [letter] Field LM. **Arch Dermatol** 1980 Oct;116(10):1103

Spuriously elevated serum chloride values caused by pyridostigmine bromide. Ruff RL. **Arch Neurol** 1981 May; 38(5):321

METABOLISM

Kinetics of intravenous pyridostigmine in man. Calvey TN, et al. **Br J Clin Pharmacol** 1981 Apr;11(4):406–8

Pharmacokinetics and oral bioavailability of pyridostigmine in man. Aquilonius SM, et al. **Eur J Clin Pharmacol** 1980 Nov;18(5):423–8

PHARMACODYNAMICS

The effect on heart rate of neuromuscular blockade reversal by pyridostigmine. Long G, et al. **Anaesth Intensive Care** 1981 May;9(2):144–6

Neostigmine, pyridostigmine, and edrophonium as antagonists of pancuronium. Ferguson A, et al. **Anesthesiology** 1980 Nov;53(5):390–4

THERAPEUTIC USE

Pyridostigmine administration in newborn rats prevents permanent mental ill-effects produced by maternal deprivation. Dörner G, et al. **Endokrinologie** 1981; 77(1):101–4

Plasma pyridostigmine levels in myasthenia gravis. White MC, et al. **Neurology (NY)** 1981 Feb;31(2):145–50

PYRIDOXAL

Differential scanning calorimetry of cytoplasmic aspartate transaminase. Relimpio A, et al. **J Biol Chem** 1981 May 10;256(9):4478–88

ANALOGS & DERIVATIVES

Laser photo–CIDNP NMR of pyridoxal phosphate and pyridoxyllysine residues: an extrinsic probe for non–aromatic amino acid residues in proteins. Lerman CL, et al. **Biochem Biophys Res Commun** 1980 Nov 17; 97(1):121–5

Pyridoxal–5'–deoxymethylenephosphonate reconstituted D–serine dehydratase: a phosphorus–31 nuclear magnetic resonance study. Schnackerz KD, et al. **Biochem Biophys Res Commun** 1980 Aug 29;95(4):1832–8

Biliary iron excretion in rats following pyridoxal isonicotinoyl hydrazone. Cikrt M, et al. **Br J Haematol** 1980 Jun;45(2):275–83

Intermittent common bile duct obstruction at ampulla of Vater due to chicken bone impaction: diagnosis by hepatobiliary imaging. Rao BK, et al. **Clin Nucl Med** 1981 Feb;6(2):59–61

Brain pyridoxal kinase. Mechanism of substrate addition, binding of ATP, and rotational mobility of the inhibitor pyridoxaloxime. Churchich JE, et al. **J Biol Chem** 1981 Jan 25;256(2):780–4

Mechanism of in vivo iron chelation by pyridoxal isonicotinoyl hydrazone and other imino derivatives of pyridoxal. Hershko C, et al. **J Lab Clin Med** 1981 Jul; 98(1):99–108

99mTc–PI as safe and easy scintigraphy after hepatectomy. Terui S, et al. **Tohoku J Exp Med** 1980 Nov;132(3):295–304

ANALYSIS

Spectrophotometric titrations of pyridoxal Schiff's bases in methanol using glass electrode for control of acidity. Lehtokari M, et al. **Arch Biochem Biophys** 1980 Jul; 202(2):533–9

BLOOD

Transport and accumulation of pyridoxine and pyridoxal by erythrocytes. Mehansho H, et al. **J Biol Chem** 1980 Dec 25;255(24):11901–7

Plasma content of B6 vitamers and its relationship to hepatic vitamin B6 metabolism. Lumeng L, et al. **J Clin Invest** 1980 Oct;66(4):688–95

DEFICIENCY

The carpal tunnel syndrome as a probable primary deficiency of vitamin B6 rather than a deficiency of a dependency state. Shizukuishi S, et al. **Biochem Biophys Res Commun** 1980 Aug 14;95(3):1126–30

METABOLISM

In vivo formation of histamine phosphopyridoxal cyclic compounds. Kierska D, et al. **Agents Actions** 1981 Apr; 11(1–2):28–32

PHARMACODYNAMICS

Competitive inhibition between 4'–substituted pyridoxine analogues and pyridoxal for pyridoxal kinase from mouse brain. Mizuno N, et al. **J Nutr Sci Vitaminol (Tokyo)** 1980; 26(6):535–43

PYRIDOXAL KINASE see under **PHOSPHOTRANSFERASES, ATP**

PYRIDOXAL PHOSPHATE

Essential arginine residues at the pyridoxal phosphate binding site of brain gamma–aminobutyrate aminotransferase. Tunnicliff G. **Biochem Biophys Res Commun** 1980 Nov 17; 97(1):160–5

Mechanism of reconsitution of the apo beta 2 subunit and the alpha 2 apo beta 2 complex of tryptophan synthase with pyridoxal 5'–Phosphate: kinetic studies. Bartholmes P, et al. **Biochemistry** 1980 Sep 16;19(19):4527–33

Interactions between apoaspartate aminotransferase and pyridoxal 5'–phosphate. A stopped–flow study. Vergé D, et al. **Biochemistry** 1981 Mar 3;20(5):1210–6

Spectroscopic studies of complexes between pyridoxamine (pyridoxine)–5'–phosphate oxidase and pyridoxyl 5'–phosphate compounds differing at position 4'. Merrill AH Jr, et al. **Biochim Biophys Acta** 1980 Nov 20; 626(1):57–63

A mechanism of L–canaline toxicity. Rosenthal GA. **Eur J Biochem** 1981 Feb;114(2):301–4

Effect of pyridoxal 5–phosphate on carbidopa and decarboxylation of levodopa. Das Gupta V, et al. **J Pharm Sci** 1980 Oct;69(10):1145–8

ADMINISTRATION & DOSAGE

Anticonvulsant activity of muscimol and gamma–aminobutyric acid against pyridoxal phosphate–induced epileptic seizures. Kouyoumdjian JC, et al. **J Neurochem** 1981 Jan;36(1):251–7

ANALOGS & DERIVATIVES

Immobilization of nucleoside diphosphatase at its allosteric site using immobilized derivatives of pyridoxal 5'–phosphate. Kawakita N, et al. **Arch Biochem Biophys** 1980 Oct 1;204(1):326–30

Coenzyme binding site of glutamate decarboxylase. O'Leary MH, et al. **Biochemistry** 1980 Jul 8;19(14):3400–6

Subunit interactions of tryptophan synthase from Escherichia coli as revealed by binding studies with pyridoxal phosphate analogues. Tschopp J, et al. **Biochemistry** 1980 Sep 16;19(19):4514–21

Function of the phosphate group of pyridoxal 5'–phosphate in the glycogen phosphorylase reaction. Takagi M, et al. **J Biol Chem** 1981 Jan 25;256(2):728–30

ANALYSIS

Determination of pyridoxal 5'–phosphate as the semicarbazone derivative using high–performance liquid chromatography. Gregory JF 3d. **Anal Biochem** 1980 Mar 1;102(2):374–9

Enzyme amplification for trace level determination of pyridoxal 5'–phosphate with a pCO2 electrode. Hassan SS, et al. **Anal Chem** 1981 Mar;53(3):512–5

Spectrophotometric titrations of pyridoxal Schiff's bases in methanol using glass electrode for control of acidity. Lehtokari M, et al. **Arch Biochem Biophys** 1980 Jul; 202(2):533–9

Laser photo–CIDNP NMR of pyridoxal phosphate and pyridoxyllysine residues: an extrinsic probe for non–aromatic amino acid residues in proteins. Lerman CL, et al. **Biochem Biophys Res Commun** 1980 Nov 17; 97(1):121–5

Active form of pyridoxal phosphate in glycogen phosphorylase. Phosphorus–31 nuclear magentic resonance investigation. Withers SG, et al. **Biochemistry** 1981 Mar 31;20(7):1748–56

BIOSYNTHESIS

Pyridoxine (pyridoxamine) 5'–phosphate oxidase in human red cells. **Nutr Rev** 1980 Nov;38(11):380–1

BLOOD

Functional restoration of ACD–blood by pyrodoxal 5'–phosphate. Maeda N, et al. **Br J Haematol** 1980 Jul; 45(3):467–80

Plasma content of B6 vitamers and its relationship to hepatic vitamin B6 metabolism. Lumeng L, et al. **J Clin Invest** 1980 Oct;66(4):688–95

Pyridoxal 5'–phosphate in whole blood, plasma and blood cells of postpartum nonlactating and lactating rats and their pups. Sloger MS, et al. **J Nutr** 1981 May;111(5):823–30

ISOLATION & PURIFICATION

An improved method for the preparation of [14C]pyridoxal 5'–phosphate. Lui A, et al. **Anal Biochem** 1981 Mar 15; 112(1):17–22

METABOLISM

In vivo formation of histamine phosphopyridoxal cyclic compounds. Kierska D, et al. **Agents Actions** 1981 Apr; 11(1–2):28–32

Changes in the intracellular levels of pyridoxal 5'–phosphate affect the induction of tyrosine aminotransferase by glucocorticoids. DiSorbo DM, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1203–8

A fluorimetric differentiation of the binding sites of the D–ribulose 1,5–bisphosphate carboxylase/oxygenase from spinach from pyridoxal 5'–phosphate. Vater J, et al. **Biochem Biophys Res Commun** 1981 May 29;100(2):696–702

Isolation and sequence of the pyridoxal 5'–phosphate active–site peptide from Rhodospirillum rubrum ribulose–1,5–bisphosphate carboxylase/oxygenase. Robison PD, et al. **Biochemistry** 1980 Oct 14;19(21):4848–53

Amino acid sequence around the pyridoxal 5'–phosphate binding sites of 6–phosphogluconate dehydrogenase. Minchiotti L, et al. **Biochim Biophys Acta** 1981 Jan 15; 657(1):232–42

Preincubation of serum aspartate aminotransferase with pyridoxal 5'–phosphate in the SMAC: comparison with revised DuPont aca method and recommended IFCC method. Garber CC, et al. **Clin Chem** 1981 Apr;27(4):614–9

3–Hydrazinopyridazine derivatives as inhibitors of pyridoxal–phosphate dependent enzymes. Buffoni F, et al. **Farmaco [Sci]** 1980 Oct;35(10):848–55

Negative cooperativity in pyridoxal 5'–phosphate binding and enzyme activity of 6–phosphoglucose isomerase from Bacillus caldotenax. Takama M, et al. **FEBS Lett** 1981 Jan 12;123(1):100–2

Possible influence of gonadotrophins on formation in vivo of pyridoxal phosphate. Chatterjee AK. **Horm Metab Res** 1980 Aug;12(8):397–9

Vitamin B6 metabolism in Morris hepatomas. Thanassi JW, et al. **J Biol Chem** 1981 Apr 10;256(7):3370–5

Vitamin B–6 and plasma PLP in pregnancy, lactation [letter] Brophy MH. **J Nutr** 1981 Mar;111(3):579–80

Effects of vitamin B–6 deficiency and 4'– deoxypyridoxine on pyridoxal phosphate concentrations, pyridoxine kinase and other aspects of metabolism in the rat. Coburn SP, et al. **J Nutr** 1981 Feb;111(2):391–8

Pyridoxine kinase, pyridoxine phosphate phosphatase and pyridoxine phosphate oxidase activities in control and B–6–deficient rat liver and brain. Meisler NT, et al. **J Nutr** 1980 Oct;110(10):1965–75

Interaction of pyridoxal phosphate with glucocorticoid receptors from HeLa S3 cells. O'Brien JM, et al. **J Steroid Biochem** 1981 Jan;14(1):9–18

Affinity chromatography of some pyridoxal phosphate–requiring enzymes on Cibacron Blue F3GA–agarose. Meadows GG, et al. **Res Commun Chem Pathol Pharmacol** 1980 Dec; 30(3):535–45

PHARMACODYNAMICS

Effect of 2,4,6–trinitrobenzenesulfonic acid and pyridoxal 5'–phosphate on pantoate dehydrogenase from Pseudomonas fluorescens UK–1. Mäntsälä P. **Acta Chem Scand [B]** 1980;34(5):385–6

Frequently used lipid–lowering drugs having no guaranteed effect. Scheffler W, et al. **Artery** 1980;8(2):120–7

Inhibition of mouse brain synaptosomal gamma–aminobutyric acid transport by pyridoxal 5'–phosphate. Tunnicliff G. **Biochem Biophys Res Commun** 1980 Dec 16;97(3):1024–30

Modification of mouse testicular lactate dehydrogenase by pyridoxal 5'–phosphate. Gould KG, et al. **Biochem J** 1980 Nov 1;191(2):365–71

Pyridoxal phosphate induced alterations in glucocorticoid receptor metabolism by proteases. Cidlowski JA. **Biochemistry** 1980 Dec 23;19(26):6162–70

Activation of aminotransferases by pyridoxal 5–phosphate: importance of experimental details [letter] Hafkenscheid JC, et al. **Clin Chem** 1980 Sep;26(10):1512–4

Pyridoxal phosphate activation of aminotransferases in serum of patients with kidney transplants [letter] Jung K, et al. **Clin Chem** 1981 Jan;27(1):205–6

Reference values for alanine and aspartate aminotransferase (ALT and AST) optimized by addition of pyridoxal phosphate. Plebani M, et al. **Enzyme** 1980;25(5):346–52

Activation and protection from 5–fluorodeoxyuridylate inactivation of mammalian thymidylate synthetase by pyridoxal 5'–phosphate. Tryfiates GP. **Enzyme** 1980; 25(5):356–60

The modification of the peptidyltransferase activity of 50–S ribosomal subunits, LiCl–split proteins and L16 ribosomal protein by pyridoxal phosphate. Baxter RM, et al. **Eur J Biochem** 1980 Sep;110(1):161–6

Influence of pyridoxal 5'–phosphate on the DNA binding activity of steroid hormone receptors and other DNA binding proteins. Westphal HM, et al. **FEBS Lett** 1981 Feb 23;124(2):189–92

Inhibitory effect of pyridoxal 5'–phosphate on the DNA binding site of ATP–dependent deoxyribonuclease from Bacillus laterosporus. Fujiyoshi T, et al. **J Biochem (Tokyo)** 1981 Apr;89(4):1137–42

Prevention of the immune agglutination of methyl acetimidate–reacted sickle erythrocytes by prior reaction with pyridoxal 5'–phosphate. Chao TL, et al. **J Biol Chem** 1981 Jun 10;256(11):5324–6

Structure–function relationship in Escherichia coli initiation factors. Identification of a lysine residue in the ribosomal binding site of initiation factor by site–specific chemical modification with pyridoxal phosphate. Ohsawa H, et al. **J Biol Chem** 1981 May 25;256(10):4905–12

Function of the phosphate group of pyridoxal 5'–phosphate in the glycogen phosphorylase reaction. Takagi M, et al. **J Biol Chem** 1981 Jan 25;256(2):728–30

Structure–function relations in platelet–thrombin reactions. Inhibition of platelet–thrombin interactions by lysine modification. White GC, et al. **J Biol Chem** 1981 Feb 25; 256(4):1763–6

Stimulation by phosphate on the activation of glutamate apodecarboxylase by pyridoxyl–5'–phosphate and its implications for the control of GABA synthesis. Martin SB, et al. **J Neurochem** 1979 Dec;33(6):1275–83

Effect of pyridoxal 5–phosphate on carbidopa and decarboxylation of levodopa. Das Gupta V, et al. **J Pharm Sci** 1980 Oct;69(10):1145–8

Effect of pyridoxal phosphate on the androgen receptor from rat prostate: inhibition of receptor aggregation and receptor binding to nuclei and to DNA–cellulose. Hiipakka RA, et al. **J Steroid Biochem** 1980 Aug;13(8):841–6

The function of vitamin B6 coenzyme in the activation and nuclear binding of steroids receptors. **Nutr Rev** 1980 Oct; 38(10):350–2

Inhibition of nucleic acid and chromatin binding of the rat prostate androgen receptor by pyridoxal phosphate, heparin and Cibacron blue. Mulder E, et al. **Steroids** 1980 Dec;36(6):633–45

Investigation of possible mechanisms of pyridoxal 5'–phosphate inhibition of platelet reactions. Lam SC, et al. **Thromb Res** 1980 Dec 1–15;20(5–6):633–45

Reovirus enzymes that modify messenger RNA are inhibition by perturbation of the lambda proteins. Morgan EM, et al. **Virology** 1981 Sep;113(2):565–72

[Influence of pyridoxal phosphate and temperature of execution on reference distribution of aspartate and alanine aminotransferase (author's transl)] Deledda R, et al. **Quad Sclavo Diagn** 1980 Sep;16(3):275–81 **(Ita)**

PHYSIOLOGY

Depletion of cultured human fibroblasts of pyridoxal 5'-phosphate: effect on activities of aspartate aminotransferase, alanine aminotransferase, and cystathionine beta-synthase. Lipson MH, et al. **Arch Biochem Biophys** 1980 Oct 15;204(2):486-93

THERAPEUTIC USE

[A low-risk substance for the lowering of reused levels of blood lipids] Berg H. **Fortschr Med** 1981 Feb 19; 99(7):236-40 **(Ger)**

PYRIDOXAMINE

ANALOGS & DERIVATIVES

Different reactivity of mitochondrial and cytoplasmic aspartate aminotransferases toward an affinity labeling reagent analog of the coenzyme. Riva F, et al. **J Biol Chem** 1980 Oct 10;255(19):9230-5

Plasma content of B6 vitamers and its relationship to hepatic vitamin B6 metabolism. Lumeng L, et al. **J Clin Invest** 1980 Oct;66(4):688-95

METABOLISM

Activity of pyridoxamine as a substrate for brain pyridoxal kinase. Gregory JF 3d. **J Neurochem** 1980 Aug;35(2):511-3

RADIATION EFFECTS

Effect of dyes on the photodecomposition of pyridoxine and pyridoxamine. Mizuno N, et al. **J Pharm Pharmacol** 1981 Jun;33(6):373-6

PYRIDOXAMINEPHOSPHATE OXIDASE see under **AMINE OXIDOREDUCTASES**

PYRIDOXIC ACID see under **ISONICOTINIC ACIDS**

PYRIDOXINE

Large-volume preparation of pyridoxylated hemoglobin with high P50. Sehgal LR, et al. **J Surg Res** 1981 Feb;30(1):14-20

ADMINISTRATION & DOSAGE

Megavitamin therapy for overdose [letter] Sievers ML, et al. **Arch Intern Med** 1980 Dec;140(12):1676

In vitro dissolution test and absorption study of a per oral controlled release dosage form containing pyridoxine hydrochloride or sodium riboflavin phosphate with hydroxypropyl cellulose. Machida Y, et al. **Chem Pharm Bull (Tokyo)** 1980;28(4):1082-9

Homocystinuria caused by 5,10-methylenetetrahydrofolate reductase deficiency: a case in an infant responding to methionine, folinic acid, pyridoxine, and vitamin B12 therapy. Harpey JP, et al. **J Pediatr** 1981 Feb;98(2):275-8

Single high-dose pyridoxine treatment for isoniazid overdose. Wason S, et al. **JAMA** 1981 Sep 4;246(10):1102-4

Water soluble vitamins in patients with chronic renal failure and effect of B6 administration of immunological activity. Kamata K, et al. **Proc Clin Dial Transplant Forum** 1979; 9:194-6

Potentiation of pyridoxine by depressants and anticonvulsants in the treatment of acute isoniazid intoxication in dogs. Chin L, et al. **Toxicol Appl Pharmacol** 1981 May; 58(3):504-9

[Clinical significance of pyridoxine administration in L-dopa therapy of Parkinsonism (author's transl)] Namba S, et al. **No To Shinkei** 1980 Oct;32(10):991-1000 (Eng. Abstr.) **(Jpn)**

[Pathogenetic treatment of acute pancreatitis] Suvernev AV. **Vestn Khir** 1981 Jan;126(1):36-40 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

The law and Bendectin [editorial] **Am Fam Physician** 1981 Apr;23(4):80, 81

Debendox and congenital malformations in Northern Ireland. Harron DW, et al. **Br Med J** 1980 Nov 22; 281(6252):1379-81

Debendox in early pregnancy and fetal malformation. Fleming DM, et al. **Br Med J [Clin Res]** 1981 Jul 11; 283(6248):99-101

Debendox and congenital malformations in Northern Ireland [letter] Shanks RG, et al. **Br Med J [Clin Res]** 1981 Jun 13;282(6280):1972-3

The Bendectin debate. Korcok M. **Can Med Assoc J** 1980 Nov 8;123(9):922-8

Bendectin and fetal malformations [letter] Pearson RD. **Can Med Assoc J** 1981 Feb 1;124(3):259

Is Bendectin a teratogen? Cordero JF, et al. **JAMA** 1981 Jun 12;245(22):2307-10

First-trimester drug use and congenital disorders. Jick H, et al. **JAMA** 1981 Jul 24-31;246(4):343-6

More on Bendectin [editorial] MacMahon B. **JAMA** 1981 Jul 24-31;246(4):371-2

Birth defects related to bendectin use in pregnancy. I. Oral clefts and cardiac defects. Mitchell AA, et al. **JAMA** 1981 Jun 12;245(22):2311-4

Safety of Debendox [letter] Clarke M, et al. **Lancet** 1981 Mar 21;1(8221):659-60

Debendox in pregnancy [letter] Hall JB. **Lancet** 1981 Jul 18; 2(8238):154-5

Debendox and limb reduction deformities. Correy JF, et al. **Med J Aust** 1981 Apr 18;1(8):417-8

Congenital anomalies in relation to the use of doxylamine/dicyclomine and other antenatal factors: an ongoing prospective study. Gibson GT, et al. **Med J Aust** 1981 Apr 18;1(8):410-4

How safe is Bendectin? [news] Kolata GB. **Science** 1980 Oct 31;210(4469):518-9

Public health issues: bendectin, love canal [letter] Paigen B. **Science** 1981 Jan 2;211(4477):6, 8

[Case of Lyell's syndrome developing after the intramuscular administration of vitamin B6] Andriushchenko OM, et al. **Klin Med (Mosk)** 1980;58(11):101-2 **(Rus)**

ANALOGS & DERIVATIVES

Ophthalmopiegia plus: neuropathological and metabolic studies with a therapeutic trial in seven cases. Pellegrini G, et al. **Acta Neuropathol [Suppl] (Berl)** 1981;7:317-9

Selected ion monitoring determination of acetylcholine during methoxypyridoxine seizures. Suzuki M, et al. **Biomed Mass Spectrom** 1980 Nov;7(11-12):537-9

Effects of vitamin B-6 deficiency and 4'- deoxypyridoxine on pyridoxal phosphate concentrations, pyridoxine kinase and other aspects of metabolism in the rat. Coburn SP, et al. **J Nutr** 1981 Feb;111(2):391-8

The biological activity of vitamin B6 analogs in the rat. Melius P, et al. **J Nutr Sci Vitaminol (Tokyo)** 1980; 26(4):349-56

Competitive inhibition between 4'-substituted pyridoxine analogues and pyridoxal for pyridoxal kinase from mouse brain. Mizuno N, et al. **J Nutr Sci Vitaminol (Tokyo)** 1980; 26(6):535-43

Effects of piridoxilate, a glyoxylic acid derivative, on the energy metabolism of the heart. Otorii T, et al. **Jpn Heart J** 1980 Nov;21(6):845-57

[Influence of piridoxilate on the energy metabolism of normothermic ischemic organs in the rat] Fischer JH. **Arzneimittelforsch** 1980;30(12):2132-4 (Eng. Abstr.) **(Ger)**

[Effect of pyriditol on drug metabolism] Avakumov VM, et al. **Farmakol Toksikol** 1980 Jul-Aug;43(4):417-21 (Eng. Abstr.) **(Rus)**

ANALYSIS

Simultaneous determination of niacinamide, pyridoxine, riboflavin, and thiamine in multivitamin products by high-pressure liquid chromatography. Walker MC, et al. **J Pharm Sci** 1981 Jan;70(1):99-101

ANTAGONISTS & INHIBITORS

The effect of antivitamin B6 administration on gamma-aminobutyric acid metabolism in retina and electroretinogram. Mizuno A, et al. **J Nutr Sci Vitaminol (Tokyo)** 1980;26(1):25-32

BLOOD

B6 vitamer analysis in human plasma by high performance liquid chromatography: a preliminary report. Vanderslice JT, et al. **Am J Clin Nutr** 1981 May;34(5):947-50

Fluorometric assay of B6 vitamers in biological material. Chauhan MS, et al. **Clin Chim Acta** 1981 Jan 22; 109(2):159-67

Vitamin B-6 metabolism in the blood of young adult and senescent mice. Fonda ML, et al. **Exp Gerontol** 1980; 15(5):465-72

Vitamin utilization status in chronic alcoholics. Majumdar SK, et al. **Int J Vitam Nutr Res** 1981;51(1):54-8

Transport and accumulation of pyridoxine and pyridoxal by erythrocytes. Mehansho H, et al. **J Biol Chem** 1980 Dec 25;255(24):11901-7

High-performance liquid chromatographic determination of pyridoxine and congeners in biological fluids of man after high-dose therapy. O'Reilly WJ, et al. **J Chromatogr** 1980 Oct 10;183(4):492-8

HISTORY

Nutrition Classics. The Journal of Biological Chemistry 124: 125-8, 1938. The isolation of factor one in crystalline form. By Samuel Lepkovsky. **Nutr Rev** 1981 Jan;39(1):19-20

ISOLATION & PURIFICATION

Sulfosalicylic acid as an extraction agent for vitamin B6 in food. Vanderslice JT, et al. **J Agric Food Chem** 1980 Nov-Dec;28(6):1145-9

METABOLISM

Vitamin B1, B2, B6, and C status in hospital inpatients. Lemoine A, et al. **Am J Clin Nutr** 1980 Dec; 33(12):2595-600

Effect of vitamin B6 deficiency on in vitro uptake and metabolism of pyridoxine x HCL by rat jejunum. Middleton HM 3d. **Am J Clin Nutr** 1980 Oct;33(10):2168-73

The metabolism of 3H-pyridoxine in rat liver and brain. Segalman TY, et al. **Am J Clin Nutr** 1981 Jul;34(7):1321-7

Availability of vitamin B6 and pantothenate in an average American diet in man. Tarr JB, et al. **Am J Clin Nutr** 1981 Jul;34(7):1328-37

Apparent pyridoxine transport mutants of Escherichia coli with pyridoxal kinase deficiency. Yamada RH, et al. **Biochim Biophys Acta** 1980 Aug 4;600(2):581-4

The effect of riboflavin on red-cell vitamin B6 metabolism and globin synthesis. Perry GM, et al. **Biomedicine [Express]** 1980 Apr;33(2):36-8

Vitamin B6 deficiency and dependency. Minns R. **Dev Med Child Neurol** 1980 Dec;22(6):795-9

Vitamin B-6 metabolism in the brains of young adult and senescent mice. Fonda ML, et al. **Exp Gerontol** 1980; 15(5):473-9

Vitamin B-6 metabolism in the livers of young adult and senescent mice. Fonda ML, et al. **Exp Gerontol** 1980; 15(5):457-63

Transport and metabolism of pyridoxine in rabbit iris--ciliary body. Dutton JJ, et al. **Invest Ophthalmol Vis Sci** 1981 Apr; 20(4):450-6

Metabolism of vitamin B6 in rat liver mitochondria. Lui A, et al. **J Biol Chem** 1981 Jun 25;256(12):6041-6

Vitamin B6 metabolism in Morris hepatomas. Thanassi JW, et al. **J Biol Chem** 1981 Apr 10;256(7):3370-5

Plasma content of B6 vitamers and its relationship to hepatic vitamin B6 metabolism. Lumeng L, et al. **J Clin Invest** 1980 Oct;66(4):688-95

The stability of vitamin B6 accumulation and pyridoxal kinase activity in rabbit brain and choroid plexus. Spector R, et al. **J Neurochem** 1978 Dec;31(6):1403-10

Effects of vitamin B-6 deficiency during lactation on the vitamin B-6 content of milk, liver and muscle of rats. Felice JH, et al. **J Nutr** 1981 Apr;111(4):610-7

Bioavailability of vitamin B-6 from wheat bread in humans. Leklem JE, et al. **J Nutr** 1980 Sep;110(9):1819-28

Effects of selected polysaccharides on the bioavailability of pyridoxine in rats and chicks. Nguyen LB, et al. **J Nutr** 1981 Aug;111(8):1403-10

The bioavailability of vitamin B6 in foods. Gregory JF 3d, et al. **Nutr Rev** 1981 Jan;39(1):1-8 (58 ref.)

PHARMACODYNAMICS

Ascorbic acid and pyridoxine in experimental anaphylaxis. Alvarez RG, et al. **Agents Actions** 1981 Apr;11(1-2):89-93

Excretion of tryptophan-niacin metabolites by young men: effects of tryptophan, leucine, and vitamin B6 intakes. Patterson JI, et al. **Am J Clin Nutr** 1980 Oct;33(10):2157-67

The effects of ascorbic acid, vitamin B6, vitamin B12, and folic acid supplementation on the breast milk and maternal nutritional status of low socioeconomic lactating women. Sneed SM, et al. **Am J Clin Nutr** 1981 Jul;34(7):1338-46

Effect of vitamin B-6 on plasma and red blood cell magnesium levels in premenopausal women. Abraham GE, et al. **Ann Clin Lab Sci** 1981 Jul-Aug;11(4):333-6

Lack of effect of oral pyridoxine on TRH and chlorpromazine induced prolactin secretion. Vandeweghe M. **Ann Endocrinol (Paris)** 1980 May-Jun;41(3):215-7

Effect of pyridoxine on intestinal transport of nutrients in two teleosts. Garg VK. **Ann Nutr Aliment** 1980;34(4):745-6

Effect of some membrane stabilizing drugs on histamine-induced contraction of guinea pig ileum. Alvarez RG, et al. **Arch Immunol Ther Exp (Warsz)** 1980; 28(6):911-5

Enzyme-vitamin B6 interaction in catalysis and regulation: structure-function relationships in L-aspartate beta-decarboxylase. Meister A. **Birth Defects** 1980; 16(1):269-88

Metabolism of an oral tryptophan load III: effect of a pyridoxine supplement [letter] Green AR, et al. **Br J Clin Pharmacol** 1980 Dec;10(6):617-9

Homocysteine induced convulsions: enhancement by vitamin B6 and inhibition by hydrazine. Hurd RW, et al. **Brain Res** 1981 Mar 23;209(1):250-4

Induction of tyrosine aminotransferase by pyridoxine in Drosophila hydei. Belew K, et al. **Chromosoma** 1981; 82(1):99-106

Pyridoxine induced puffing (II-48 C) and synthesis of a 40 KD protein in Drosophila hydei salivary glands. Brady T, et al. **Chromosoma** 1981;82(1):89-98

Enhancement by pyridoxine of the action of diazepam on spinal presynaptic inhibition. Banna NR, et al. **Experientia** 1981 Jan 15;37(1):83-4

Effects of pyridoxine-pyrrolidon-carboxylate on hepatic and cerebral ATP levels in ethanol treated rats. Felicioli R, et al. **Int J Clin Pharmacol Ther Toxicol** 1980 Jun; 18(6):277-80

Homocystinuria: the effect of pyridoxine supplementation on cultured skin fibroblasts. Bittles AH, et al. **J Inherited Metab Dis** 1981;4(1):7-9

Vitamin B-6 and plasma PLP in pregnancy, lactation [letter] Brophy MH. **J Nutr** 1981 Mar;111(3):579-80

Effect of iron, vitamin B-6 and picolinic acid on zinc absorption in the rat. Evans GW, et al. **J Nutr** 1981 Jan; 111(1):68-75

Effects of hydroxyproline and vitamin B-6 on oxalate synthesis in rats. Ribaya JD, et al. **J Nutr** 1981 Jul; 111(7):1231-9

Pyridoxal 5'-phosphate in whole blood, plasma and blood cells of postpartum nonlactating and lactating rats and their pups. Sloger MS, et al. **J Nutr** 1981 May;111(5):823-30

Is vitamin B6 an antithrombotic agent? [editorial] **Lancet** 1981 Jun 13;1(8233):1299-300

Vitamin B6 in the etiology of gizzard erosion in growing chickens. Daghir NJ, et al. **Poult Sci** 1981 May;60(5):988-92

[Influence of vitamins of the B-group upon cancer patients treated by irradiation: I. Vitamin B6 in local irradiation of tumour rats (author's transl)] Ladner HA, et al.

Strahlentherapie 1980 Dec;156(12):856–60 (Eng. Abstr.) **(Ger)**

[Our experience in the inhibition of lactation (Controlled clinical study with bromocriptine, methergoline and pyridoxine)] Vecchione A, et al. **Riv Ital Ginecol** 1980; 59(2–3):311–9 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

The effect of drugs on vitamin B6 function in the rat. Rumsby PC, et al. **Biochem Pharmacol** 1980 Nov 15;29(22):3097–102

RADIATION EFFECTS

Effect of dyes on the photodecomposition of pyridoxine and pyridoxamine. Mizuno N, et al. **J Pharm Pharmacol** 1981 Jun;33(6):373–6

THERAPEUTIC USE

5–hydroxytryptophan and pyridoxine. Their effects in young children with Down's syndrome. Pueschel SM, et al. **Am J Dis Child** 1980 Sep;134(9):838–44

Persistent amphetamine–induced compulsive rituals: response to pyridoxine(B6). Frye PE, et al. **Biol Psychiatry** 1981 Jun;16(6):583–7

Gyrate atrophy with hyperornithinaemia: different types of responsiveness to vitamin B6. Hayasaka S, et al. **Br J Ophthalmol** 1981 Jul;65(7):478–83

Hyperoxaluria and recurrent stone formation apparently cured by short courses of pyridoxine. Harrison AR, et al. **Br Med J [Clin Res]** 1981 Jun 27;282(6282):2097–8

A controlled trial of pyridoxine supplementation in children with febrile convulsions. McKiernan J, et al. **Clin Pediatr (Phila)** 1981 Mar;20(3):208–11

Anticonvulsant effects of restraint and pyridoxine on hydrazine seizures in the monkey. Sterman MB, et al. **Exp Neurol** 1979 Jul;65(1):78–86

Indications for bendectin narrowed. **FDA Drug Bull** 1981 Mar;11(1):1–3

Therapeutic contribution of pyrodoxine pyrrolidinecarboxylate. (Notes on antiseborrheic treatment). Ghittoni S, et al. **Ital Gen Rev Dermatol** 1978 Jan–Apr;15(1):39–61

Hyperornithinaemia associated with gyrate atrophy of the choroid and retina: in vivo and in vitro response to vitamin B6. Tada K, et al. **J Inherited Metab Dis** 1981;4(2):61–2

Pyridoxine–responsive homocystinuria. **Nutr Rev** 1981 Jan; 39(1):16–8 (11 ref.)

Ocular findings in patients with gyrate atrophy on pyridoxine and low–protein, low–arginine diets. Berson EL, et al. **Ophthalmology (Rochester)** 1981 Apr;88(4):311–5

Clinical trial of vitamin B6 for gyrate atrophy of the choroid and retina. Weleber RG, et al. **Ophthalmology (Rochester)** 1981 Apr;88(4):316–24

Influence of high levels of pyridoxine on twisted legs in broilers. Beirne MJ, et al. **Poult Sci** 1981 May;60(5):1026–9

Studies support Bendectin safety claim [news] Smith RJ. **Science** 1981 Jun 26;212(4502):1485

Five–year observations with Magurlit, a stone–dissolving granulate. Baranyai E, et al. **Ther Hung** 1980;28(4):177–9

[Familial pyridoxine–responsive sideroblastic anaemia. One case (author's transl)] Garbarz M, et al. **Nouv Presse Med** 1980 Nov 22;9(44):3345–7 (Eng. Abstr.) **(Fre)**

[Biological and clinical effects of oral magnesium and associated magnesium–vitamin B6 administration on certain disorders observed in infantile autism (author's transl)] Barthelemy C, et al. **Therapie** 1980 Sep–Oct;35(5):627–32 (Eng. Abstr.) **(Fre)**

[Inborn errors of amino acid metabolism treatable with B group vitamins: synoptic aspects] Cardi E. **Acta Vitaminol Enzymol** 1980;2(3–4):124–9 **(Ita)**

[Use of dopaminergic drugs (pyridoxine, 2–bromo–alpha–ergocriptine, piribedil) in blocking lactation] Lo Dico G, et al. **Minerva Ginecol** 1980 Sep; 32(9):771–9 (Eng. Abstr.) **(Ita)**

[The effect of pyridoxine on dental caries in pregnant women] Marcucci M, et al. **Minerva Stomatol** 1980 Nov–Dec; 29(6):475–8 (Eng. Abstr.) **(Ita)**

[Water soluble vitamins in patients with chronic renal failure and effect of B6 administration on immunological activity (author's transl)] Kamata K, et al. **Nippon Jinzo Gakkai Shi** 1981 Feb;23(2):145–51 (Eng. Abstr.) **(Jpn)**

[Effect of the combined use of flavin coenzyme preparations and pyridoxine on the body vitamin balance in animals] Stroev EA, et al. **Farmakol Toksikol** 1980 Sep–Oct; 43(5):601–3 (Eng. Abstr.) **(Rus)**

[Use of vitamins E and B6 for preventing and treating experimental liver dystrophy causeds by hydrazine hydrate] Antoshin IuV. **Gig Tr Prof Zabol** 1980 Sep;(9):43–4 **(Rus)**

[Effect of flavin coenzymes on the pyridoxine treatment of avitaminosis B6] Stroev EA, et al. **Vopr Pitan** 1981 Jan–Feb;(1):43–5 (Eng. Abstr.) **(Rus)**

PYRIDOXINE DEFICIENCY

see related
ANEMIA, SIDEROBLASTIC

BLOOD

Serum thymic factor activity in deficiencies of calories, zinc, vitamin A and pyridoxine. Chandra RK, et al. **Clin Exp Immunol** 1980 Nov;42(2):332–5

COMPLICATIONS

Biochemical evidence for a deficiency of vitamin B6 in subjects reacting to monosodium L–glutamate by the Chinese restaurant syndrome. Folkers K, et al. **Biochem Biophys Res Commun** 1981 Jun 16;100(3):972–7

Skin sores in kwashiorkor, pellagra, and vitamin B6 deficiency [letter] Van Winkle LJ. **Lancet** 1980 Oct 4; 2(8197):750–1

Effect of pyridoxine deficiency on Litomosoides carinii infection in albino rats. Prasad R, et al. **Trans R Soc Trop Med Hyg** 1980;74(4):459–62

DIAGNOSIS

Vitamin B6 deficiency and dependency. Minns R. **Dev Med Child Neurol** 1980 Dec;22(6):795–9

Activity of red cell glutamic oxaloacetic transaminase in children suffering from disturbed motion. Reinken L, et al. **Int J Vitam Nutr Res** 1980;50(4):401–2

Vitamin B6 status during pregnancy. Vir SC, et al. **Int J Vitam Nutr Res** 1980;50(4):403–11

Red cell enzyme tests of vitamin status: do marginal deficiencies have any physiological significance? Thurnham DI. **Proc Nutr Soc** 1981 May;40(2):155–63 (82 ref.)

DRUG THERAPY

[Effect of flavin coenzymes on the pyridoxine treatment of avitaminosis B6] Stroev EA, et al. **Vopr Pitan** 1981 Jan–Feb;(1):43–5 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Effect of pyridoxine deficiency on serum and liver transaminases in experimental liver injury in the rat. Ludwig S, et al. **Gastroenterology** 1980 Sep;79(3):545–9

The appearance of a new aromatic aminotransferase in the small intestines of vitamin B6–deficient rats. Noguchi T, et al. **J Biol Chem** 1980 Oct 25;255(20):9844–7

Pyridoxine kinase, pyridoxine phosphate phosphatase and pyridoxine phosphate oxidase activities in control and B–6–deficient rat liver and brain. Meisler NT, et al. **J Nutr** 1980 Oct;110(10):1965–75

Liver 3–hydroxy–3–methylglutaryl–coenzyme A reductase activity in pyridoxine–deficient rats. Gomikawa S, et al. **J Nutr Sci Vitaminol (Tokyo)** 1980;26(1):1–14

ETIOLOGY

[Behavior of various B–vitamins following radiation and/or cytostatic treatment of gynecologic carcinomas] Ladner HA, et al. **Strahlentherapie [Sonderb]** 1978;75:191–5 **(Ger)**

METABOLISM

Effect of vitamin B6 deficiency on in vitro uptake and metabolism of pyridoxine x HCL by rat jejunum. Middleton HM 3d. **Am J Clin Nutr** 1980 Oct;33(10):2168–73

The microgenesis of some renal calculi. Lilien OM, et al. **Invest Urol** 1981 May;18(8):451–6

Effects of vitamin B–6 deficiency and 4'– deoxypyridoxine on pyridoxal phosphate concentrations, pyridoxine kinase and other aspects of metabolism in the rat. Coburn SP, et al. **J Nutr** 1981 Feb;111(2):391–8

Effects of vitamin B–6 deficiency during lactation on the vitamin B–6 content of milk, liver and muscle of rats. Felice JH, et al. **J Nutr** 1981 Apr;111(4):610–7

Effects of pyridoxine on serum protein expression in hepatoma–bearing rats. Tryfiates GP. **JNCI** 1981 Feb; 66(2):339–44

The function of vitamin B6 coenzyme in the activation and nuclear binding of steroids receptors. **Nutr Rev** 1980 Oct; 38(10):350–2

PATHOLOGY

Reaction patterns of cell organelles in vitamin B6 deficiency. Ultrastructural–morphometric analysis of the liver parenchymal cell. Riede UN, et al. **Pathol Res Pract** 1980; 170(4):376–87

PHYSIOPATHOLOGY

Effects of vitamin B–6 deficiency on morphological changes in dendritic trees of Purkinje cells in developing cerebellum of rats. Chang SJ, et al. **J Nutr** 1981 May;111(5):848–57

PYRILAMINE see under **AMINOPYRIDINES**

PYRIMETHAMINE

ADMINISTRATION & DOSAGE

Single dose therapy with a combination of chloroquine and pyrimethamine (darachlor) in the treatment of malaria. Short communication. Ponnampalam JT. **Acta Trop (Basel)** 1981 Mar;38(1):91–3

[Treatment of congenital toxoplasmosis. Clinical and biological results (author's transl)] Couvreur J, et al. **Ann Pediatr (Paris)** 1980 Dec;27(10):647–52 (Eng. Abstr.) **(Fre)**

[Treatment of toxoplasmosis in obstetrics and gynecology] Furmaniuk J, et al. **Ginekol Pol** 1981 Jan;52(2):189–91 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Lichen planus caused by pyrimethamine. Cutler TP. **Clin Exp Dermatol** 1980 Jun;5(2):253–6

[Pancytopenia following pyrimethamine treatment of toxoplasmosis (letter)] Karsenty J, et al. **Nouv Presse Med** 1980 Oct 4;9(36):2658–60 **(Fre)**

ANALOGS & DERIVATIVES

Studies with a 2,4–diamino–5–(3',4'–dichlorophenyl)–6–methylpyrimidine (DDMP)–resistant L1210 leukemia cell line without cross–resistance to methotrexate. Browman GP, et al. **Biochem Pharmacol** 1980 Aug 15;29(16):2241–5

Phase I trial of metoprine in patients with advanced cancer. Currie VE, et al. **Cancer Treat Rep** 1980 Aug–Sep; 64(8–9):951–6

Phase II evaluation of metoprine in patients with advanced colorectal carcinoma. Lynch G, et al. **Cancer Treat Rep** 1981 Jan–Feb;65(1–2):127–8

DDMP (2,4–diamino–5–(3',4'–dichlorophenyl)–methylpyrimidine). Hill BT, et al. **Cancer Treat Rev** 1980 Jun;7(2):95–112 (61 ref.)

Effect of DDMP (2, 4–diamino–5–3', 4'–dichlorophenyl–6–methylpyrimidine) on brain gliomas––a phase II study. E.O.R.T.C. Brain Tumor Group. **Eur J Cancer** 1980 Dec;16(12):1639–40

Phase II study of diamino–dichlorophenyl–methylpyrimidine (DDMP) with folinic acid (CF) protection and rescue. Alberto P, et al. **Eur J Cancer** 1980 Sep;16(9):1243–9

The intracellular mechanism of action of metoprine (DDMP). Browman GP, et al. **Eur J Cancer** 1980 Dec;16(12):1547–54

Human plasma and amino acids as moderators of uptake and metabolic consequences of antifolates in WIL–2 and human leukemia cells. Fyfe MJ, et al. **JNCI** 1981 Mar;66(3):445–51

Transient induction of phenotypic resistance in human lymphoblastoid cells following sequential use of two antifolates. Hamrell MR, et al. **Mol Pharmacol** 1981 May; 19(3):491–5

Antifolate–induced misincorporation of deoxyuridine monophosphate into DNA: inhibition of high molecular weight DNA synthesis in human lymphoblastoid cells. Sedwick WD, et al. **Proc Natl Acad Sci USA** 1981 Feb; 78(2):917–21

METABOLISM

Pharmacokinetics and protein binding interactions of dapsone and pyrimethamine. Ahmad RA, et al. **Br J Clin Pharmacol** 1980 Nov;10(5):519–24

Salivary elimination of pyrimethamine. Ahmad RA, et al. **Br J Clin Pharmacol** 1981 Jan;11(1):101–2

PHARMACODYNAMICS

Plasmodium falciparum resistance to pyrimethamine and chlorproguanil –– host or parasite dependent? Björkman A, et al. **Ann Trop Med Parasitol** 1980 Apr;74(2):245–8

Pyrimethamine sensitivity in Plasmodium falciparum: determination in vitro by a modified 48–hour test. Nguyen–Dinh P, et al. **Bull WHO** 1980;58(6):909–12

Pyrimethamine susceptibility status of p. falciparum in Karbi–Anglong district of Assam and Adilabad District of Andhra Pradesh. Das S, et al. **J Commun Dis** 1980 Sep; 12(3):126–33

Fansidar–resistant falciparum malaria in Papua New Guinea [letter] Darlow B, et al. **Lancet** 1980 Dec 6;2(8206):1243

Fansidar–resistant falciparum malaria in Papua New Guinea [letter] Nurse GT. **Lancet** 1981 Jan 3;1(8210):36–7

In vitro microtechnique for determining the drug susceptibility of cultured parasites of Plasmodium falciparum. Yisunsri L, et al. **Trans R Soc Trop Med Hyg** 1980;74(6):809–10

[Mutagenic action resulting from the preovulatory administration of chloridine on preimplantation rat embryos] Baranov VS, et al. **Tsitol Genet** 1980 Nov–Dec; 14(6):20–4 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Tolerance and haematological findings with antimalarials (chloroquine and Fansidar [pyrimethamine plus sulfadoxine]) in adults and children during field trials in Nigeria. Ekanem OJ, et al. **Acta Trop (Basel)** 1980 Sep; 37(3):249–52

Low serum folate among persons taking Fansidar (pyrimethamine plus sulfadoxine) for prophylaxis of malaria. Stürchler D, et al. **Acta Trop (Basel)** 1980 Sep; 37(3):243–8

The effect of malarial chemoprophylaxis on immunoglobulin levels of pregnant Nigerian women and the newborn. Ibeziako PA, et al. **Br J Obstet Gynaecol** 1980 Nov; 87(11):976–82

Drug prevention of malaria [letter] **Br Med J [Clin Res]** 1981 Mar 21;282(6268):988–9

Resistance of Plasmodium falciparum malaria to sulfadoxine–pyrimethamine ('Fansidar') in a refugee camp

in Thailand. Hurwitz ES, et al. **Lancet** 1981 May 16; 1(8229):1068–70

Treatment of falciparum malaria with sulfalene–pyrimethamine versus sulfadoxine–pyrimethamine. Chongsuphajaisiddhi T, et al. **Southeast Asian J Trop Med Public Health** 1980 Dec; 11(4):524–7

TOXICITY

[Nature of cytogenetic and morphologic disorders in rat oogenesis and embryogenesis induced by chloridin and 2,4,5–trichlorophenoxyacetic acid during the preovulatory phase of meiosis] Chebotar' NA. **Genetika (Moskva)** 1980; 16(7):1220–7 (Eng. Abstr.) **(Rus)**

PYRIMIDINE DIMERS

Ultraviolet light action spectra for neoplastic transformation and lethality of Syrian hamster embryo cells correlate with spectrum for pyrimidine dimer formation in cellular DNA. Doniger J, et al. **Proc Natl Acad Sci USA** 1981 Apr; 78(4):2378–82

ANALYSIS

Photoreactivation of UV induced cell killing, chromosome aberrations, sister chromatid exchanges, mutations and pyrimidine dimers in Xenopus laevis fibroblasts. van Zeeland AA, et al. **MGG** 1980;180(3):495–500

Sensitive determination of pyrimidine dimers in DNA of UV–irradiated mammalian cells. Introduction of T4 endonuclease V into frozen and thawed cells. van Zeeland AA, et al. **Mutat Res** 1981 Jun;82(1):173–89

BIOSYNTHESIS

Pyrimidine dimer formation and repair in human skin. Sutherland BM, et al. **Cancer Res** 1980 Sep;40(9):3181–5

Production of cyclobutane type pyrimidine dimers in the DNA of Chinese hamster lung fibroblasts (V–79) exposed to U.V.–B light. Mang TS, et al. **Int J Radiat Biol** 1980 Jul;38(1):123–5

METABOLISM

Molecular mechanism of pyrimidine dimer excision in Saccharomyces cerevisiae. I. Studies with intact cells and cell–free systems. Reynolds RJ, et al. **Basic Life Sci** 1980; 15:121–39

Harman inhibits the removal of pyrimidine dimers from the DNA of human cells. Castellani A, et al. **Biochem Biophys Res Commun** 1981 Feb 12;98(3):823–8

An investigation of the effect of radioactive labeling of DNA on excision repair in UV–irradiated human fibroblasts. Ehmann UK, et al. **Biophys J** 1980 Aug;31(2):285–91

DNA repair after ultraviolet irradiation of ICR 2A frog cells. Pyrimidine dimers are long acting blocks to nascent DNA synthesis. Rosenstein BS, et al. **Biophys J** 1980 Aug; 31(2):195–205

UV–induced pyrimidine dimers and rosacea. Nunzi E, et al. **Br J Dermatol** 1981 Jun;104(6):711

Photoreactivation of ultraviolet radiation–induced pyrimidine dimers in neonatal BALB/c mouse skin. Ananthaswamy HN, et al. **Cancer Res** 1981 May; 41(5):1829–33

Mutants partially defective in excision repair at five autosomal loci in Drosophila melanogaster. Boyd JB, et al. **Chromosoma** 1981;82(2):249–57

Molecular mechanisms of pyrimidine dimer excision in Saccharomyces cerevisiae: excision of dimers in cell extracts. Reynolds RJ, et al. **J Bacteriol** 1981 Aug; 147(2):705–8

Molecular mechanisms of pyrimidine dimer excision in Saccharomyces cerevisiae: incision of ultraviolet–irradiated deoxyribonucleic acid in vivo. Reynolds RJ, et al. **J Bacteriol** 1981 May;146(2):692–704

Photoreactivating enzyme activity in the rat tapeworm, Hymenolepis diminuta. Woodhead AD, et al. **J Parasitol** 1981 Jun;67(3):368–71

den V gene of bacteriophage T4 determines a DNA glycosylase specific for pyrimidine dimers in DNA. Seawell PC, et al. **J Virol** 1980 Sep;35(3):790–6

Light–flash analysis of the photoenzymic repair process in yeast cells. II. Determination of the rate constant for formation of photoreactivating enzymes–pyrimidine dimer complexes and its activation energy term. Fukui A, et al. **Mutat Res** 1981 Mar;81(1):27–36

Photoreactivity of UV–b damage in bacteriophage phi X174 DNA. Patrick JR, et al. **Photochem Photobiol** 1981 May; 33(5):769–71

Photoreactivation of ultraviolet light–induced damage in cultured fish cells as revealed by increased colony forming ability and decreased content of pyrimidine dimers. Shima A, et al. **Photochem Photobiol** 1981 Mar;33(3):313–6

Apurinic/apyrimidinic endonucleases in repair of pyrimidine dimers and other lesions in DNA. Warner HR, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4602–6

RADIATION EFFECTS

Evidence for pyrimidine–pyrimidine cyclobutane dimer formation in the covalent cross–linking between transfer ribonucleic acid and 16S ribonucleic acid at the ribosomal P site. Ofengand J, et al. **Biochemistry** 1980 Oct 14; 19(21):4814–22

Efficiency of formation of pyrimidine dimers in SV40 chromatin in vitro. Snapka RM, et al. **Biochemistry** 1981 Jan 6;20(1):68–72

Excision repair of UV–induced pyrimidine dimers in human skin in vivo. D'Ambrosio SM, et al. **J Invest Dermatol** 1981 Sep;77(3):311–3

The effect of stray light in the 300–-320–nm range and the role of cyclobutyl pyrimidine dimers in 365–nm lethality. Webb RB, et al. **Mutat Res** 1981 May;91(3):1770–82

Photoreactivation of ultraviolet irradiated non–dividing populations of ICR 2A frog cells. Rosenstein BS, et al. **Photochem Photobiol** 1981 Jan;33(1):85–9

Monomerization of pyrimidine dimers in DNA by tryptophan–containing peptides: wavelength dependence. Sutherland JC, et al. **Radiat Res** 1980 Sep;83(3):529–36

PYRIMIDINE NUCLEOSIDES

Gold complexes of purine and pyrimidine nucleosides. Hadjiliadis N, et al. **J Inorg Biochem** 1981 Apr;14(2):115–26

Complex formation between spin–labeled polyuridylic acid and pyrimidine nucleosides. Petrov AI. **Nucleic Acids Res** 1980 Dec 11;8(23):5913–29

Magnetic circular dichroism and circular dichroism of some nucleosides. Hatano M, et al. **Nucleic Acids Symp Ser** 1980; (8):s125–8

CHEMICAL SYNTHESIS

Pyrimidine acyclic nucleosides. 5–Substituted 1–[(2–aminoethoxy)methyl]uracils as candidate antivirals. Kelley JL, et al. **J Med Chem** 1981 Apr;24(4):472–4

Synthesis and antineoplastic activity of a novel series of phosphoramide mustard analogues of pyrimidine deoxyribonucleosides. Lin TS, et al. **J Med Chem** 1980 Nov;23(11):1235–7

Synthesis, biologic effects, and biochemical properties of some 2'–azido– and 2'–amino–2'–deoxyarabinofuranosyl pyrimidines and purines. Bobek M, et al. **Recent Results Cancer Res** 1980;74:78–83

METABOLISM

Phosphorylation of nucleosides catalyzed by a mammalian enzyme other than uridine–cytidine kinase. Ahmed NK, et al. **Biochem Biophys Res Commun** 1980 Jul 16;95(1):440–5

Salvage of circulating pyrimidine nucleosides in the rat. Moyer JD, et al. **Cancer Res** 1981 Aug;41(8):3010–7

PHARMACODYNAMICS

Kinetic effects of sangivamycin in sarcoma 180 in vitro. Ritch PS, et al. **Cancer Res** 1981 May;41(5):1784–8

Pyrimidine acyclic nucleosides, 1–[(2–Hydroxyethoxy)methyl]pyrimidines as candidate antivirals. Kelley JL, et al. **J Med Chem** 1981 Jun; 24(6):753–6

Effect of deoxypurine and deoxypyrimidine compounds on the vascular responsiveness of bovine coronary and lingual arteries. Scholar EM. **J Pharm Pharmacol** 1980 Oct; 32(10):726

RADIATION EFFECTS

E.S.R. of spin–trapped radicals in gamma–irradiated polycrystalline nucleic acid constituents and their halogenated derivatives. Kuwabara M, et al. **Int J Radiat Biol** 1981 May;39(5):465–90

SECRETION

Comparison of pyrimidine and purine nucleoside secretion and nucleoside kinase expression in resident and elicited peritoneal macrophages. Stadecker MJ. **J Immunol** 1981 May;126(5):1724–7

THERAPEUTIC USE

[Mechanism of and dosage in the combination of ionizing radiation and substances in tumor therapy] Streffer C. **Strahlentherapie [Sonderb]** 1978;75:1–11 **(Ger)**

PYRIMIDINE NUCLEOTIDES

Use of alpha–secondary isotope effects in nucleophile–promoted reactions of pyrimidine derivatives; evidence for transient 5,6–dihydropyrimidine intermediates. Wataya Y, et al. **Nucleic Acids Symp Ser** 1980;(8):s55–8

ANALYSIS

Dependence of the aggregation and conformation states of uridine 5'–phosphate synthase on pyrimidine nucleotides. Evidence for a regulatory site. Traut TW, et al. **Biochemistry** 1980 Dec 23;19(26):6062–8

BIOSYNTHESIS

Intracellular nucleotide pools and their significance in antimetabolite therapy. Harrap KR, et al. **Antibiot Chemother** 1980;28:68–77 (0 ref.)

Increased myocardial pyrimidine nucleotide synthesis in isoproterenol–induced cardiac hypertrophy in rats. Olivares J, et al. **Biochem Biophys Res Commun** 1980 Jul 16;95(1):367–73

[Biosynthesis of pyrimidine nucleotides in normal and regenerating bone tissue] Matveenko VN. **Vopr Med Khim** 1980 Mar–Apr;26(2):162–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Anabolic and catabolic pathways of pyrimidine metabolism in rat liver. Harley EH, et al. **Int J Biochem** 1981; 13(2):247–9

In vivo rates of pyrimidine nucleotide metabolism in intact mouse T–lymphoma (s–49) cells treated with 5–fluorouracil. Maybaum J, et al. **J Biol Chem** 1981 Mar 10;256(5):2126–30

Pyrimidine nucleotide pool changes during the cell cycle and quiescence. Pyrimidine excretion and metabolic isolation of the pyrimidine mononucleoside polyphosphate pool. Uziel M, et al. **J Biol Chem** 1980 Dec 10;255(23):11227–32

Metabolite profiling of human muscle extracts by isotachophoresis. Oerlemans F, et al. **J Inherited Metab Dis** 1981;4(2):109–10

The metabolism of purine and pyrimidine nucleotides in rat cortex during insulin–induced hypoglycemia and recovery. Chapman AG, et al. **J Neurochem** 1981 Jan;36(1):179–89

Changes in myocardial pyrimidine nucleotide levels following repeated injections of isoproterenol in rats. Rossi A, et al. **Pfluegers Arch** 1981 Apr;390(1):5–9

[Detection of phosphorylated pyrimidine precursors of riboflavin in yeasts] Logvinenko EM, et al. **Biokhimiia** 1980 Jul;45(7):1284–92 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Properties of a chicken liver amidophosphoribosyltransferase preparation sensitive to inhibition by nucleotides. Gorai I, et al. **Int J Biochem** 1981;13(1):91–7

PYRIMIDINES

Affinities of nucleic acid bases for solvent water. Cullis PM, et al. **Biochemistry** 1981 May 26;20(11):3024–8

Degradation of nucleic acids with ozone. I. Degradation of nucleobases, ribonucleosides and ribonucleoside–5'–monophosphates. Ishizaki K, et al. **Chem Pharm Bull (Tokyo)** 1981 Mar;29(3):868–72

IR study of base stacking interactions. Maevsky AA, et al. **Nucleic Acids Res** 1980 Jul 11;8(13):3029–42

[5'–deoxy–5–fluoruridine, a new antineoplastic pyrimidine antimetabolite] Hartmann HR, et al. **Schweiz Med Wochenschr** 1980 Jul 8;110(27–28):1078–80 (Eng. Abstr.) **(Ger)**

[New drugs. Sterinor and Tibirox] Hofstetter A. **Urologe [A]** 1980 Jul;19(4):250–1 **(Ger)**

ADMINISTRATION & DOSAGE

Renal function during long–term treatment of hypertension with minoxidil: comparison of benign and malignant hypertension. Mitchell HC, et al. **Ann Intern Med** 1980 Nov;93(5):676–81

Rofenaid in the control of Pasteurella anatipestifer and Escherichia coli infections in ducklings. Mitrovic M, et al. **Avian Dis** 1980 Apr–Jun;24(2):302–8

Topical minoxidil in alopecia areata [letter] Weiss VC, et al. **J Am Acad Dermatol** 1981 Aug;5(2):224–6

Minoxidil in combination with a beta–adrenergic blocker and a diuretic as an arthypertensive in patients refractory to available medications. Seedat YK, et al. **S Afr Med J** 1981 May 9;59(20):707–9

Studies on the control of bovine ostertagiasis using a morantel sustained release bolus. Armour J, et al. **Vet Rec** 1981 Jun 20;108(25):532–5

[Antibacterial comparison of sulfonamide combinations] Grimm H, et al. **Med Klin** 1980 Sep 26;75(20):726–7 **(Ger)**

[Combination of beta–blocking agents, diuretics and pressidil (minoxidil) in severe arterial hypertension resisting other therapy] Angelino PF, et al. **Boll Soc Ital Cardiol** 1978; 23(9):1453–62 **(Ita)**

[Combined minoxidil, beta–blocking agents and diuretics in the treatment of accelerated hypertension] Palatini P, et al. **Boll Soc Ital Cardiol** 1978;23(9):1445–51 **(Ita)**

ADVERSE EFFECTS

Pericardial effusion associated with minoxidil therapy. Houston MC, et al. **Arch Intern Med** 1981 Jan;141(1):69–71

Minoxidil and pericardial effusion: an idiosyncratic reaction. Reichgott MJ. **Clin Pharmacol Ther** 1981 Jul;30(1):64–70

Chlorovinyldichloropyrimidine. Hodgson C. **Contact Dermatitis** 1980 Aug;6(5):361

[Minoxidil and hypertrichosis] Nielsen PG. **Lakartidningen** 1981;78(18):1891–2 **(Swe)**

ANALYSIS

Analysis of purine and pyrimidine bases, ribonucleosides, and ribonucleotides by high–pressure liquid chromatography. Nissinen E. **Anal Biochem** 1980 Aug;106(2):497–505

Enzymatic inhibition assay for fluorometric determination of allopurinol and oxipurinol in serum and urine. Neubert P, et al. **Arzneimittelforsch** 1980;30(11):1857–9

Pyrimidine–specific chemical reactions useful for DNA sequencing. Rubin CM, et al. **Nucleic Acids Res** 1980 Oct 24;8(20):4613–9

ANTAGONISTS & INHIBITORS

Synergistic effects with inhibitors of de novo pyrimidine synthesis, acivicin, and N-(phosphonacetyl)-L-aspartic acid. Loh E, et al. **Cancer Res** 1981 Sep;41(9 Pt 1):3419-23

Systemic and cardiac hemodynamic interactions between clonidine and minoxidil. Velasco M, et al. **Clin Pharmacol Ther** 1981 Aug;30(2):158-63

BIOSYNTHESIS

An overall radioassay for the first three reactions of de novo pyrimidine biosynthesis. Christopherson RI, et al. **Anal Biochem** 1981 Mar 1;111(2):240-9

Uridine and cytidine metabolism following inhibition of de novo pyrimidine synthesis by pyrazofurin. Cadman E, et al. **Biochim Biophys Acta** 1980 Oct 17;609(3):372-82

Effect of ammonium ion on pyrimidine synthesis de novo in isolated rat hepatocytes. Barton PA, et al. **Eur J Biochem** 1981 May;116(1):131-6

Enzymes of pyrimidine biosynthesis in Trypanosoma cruzi. Hammond DJ, et al. **FEBS Lett** 1980 Sep 8;118(2):259-62

Characterization of an autosomal rudimentary-shaped wing mutation in Drosophila melanogaster that affects pyrimidine synthesis. Lastowski DM, et al. **Genetics** 1980 Oct;96(2):471-8

Pyrimidine biosynthesis in Plasmodium berghei. Hill B, et al. **Int J Biochem** 1981;13(3):303-10

Infection of Salmonella typhimurium with coliphage Mu d1 (Apr lac): construction of pyr::lac gene fusions. Csonka LN, et al. **J Bacteriol** 1981 Jan;145(1):299-305

Organization of a multifunctional protein in pyrimidine biosynthesis. Analyses of active, tryptic fragments. Davidson JN, et al. **J Biol Chem** 1981 May 25; 256(10):5220-5

Catalytic synergy in the multifunctional protein that initiates pyrimidine biosynthesis in Syrian hamster cells. Mally MI, et al. **J Biol Chem** 1980 Dec 10;255(23):11372-80

Repression and derepression of the enzymes of the pyrimidine biosynthetic pathway in Salmonella typhimurium. Smith JM, et al. **J Gen Microbiol** 1980 Nov;121(1):27-38

Pyrimidine synthesis by intracellular Toxoplasma gondii. Schwartzman JD, et al. **J Parasitol** 1981 Apr;67(2):150-8

Control of pyrimidine biosynthesis in the Ascaris ovary: regulatory properties of glutamine-dependent carbamoyl-phosphate synthetase and copurification of the enzyme with aspartate carbamoyltransferase and dihydroorotase. Aoki T, et al. **Mol Biochem Parasitol** 1980 Mar;1(1):55-68

The enzymes of pyrimidine biosynthesis in a range of parasitic protozoa and helminths. Hill B, et al. **Mol Biochem Parasitol** 1981 Feb;2(3-4):123-34

BLOOD

Analysis of allopurinol and oxypurinol in plasma and its application to metabolic studies. Sved S, et al. **Biopharm Drug Dispos** 1980 Jan-Mar;1(3):111-7

Simultaneous liquid chromatography of 5-fluorouracil, uridine, hypoxanthine, xanthine, uric acid, allopurinol, and oxipurinol in plasma. Wung WE, et al. **Clin Chem** 1980 Nov;26(12):1704-8

Determination of 5-fluorouracil and pyrimidine bases in plasma by gas chromatography-chemical ionization-mass fragmentography. Marunaka T, et al. **J Chromatogr** 1980 Dec 12;221(2):382-6

Determination of selected pyrimidines, purines and their metabolites in serum and urine by reversed-phase ion-pair chromatography. Voelter W, et al. **J Chromatogr** 1980 Oct 31;199:345-54

[A new and quick method for determination of allopurinol and oxipurinol in serum (author's transl)] Nitsche V, et al. **Arzneimittelforsch** 1980;30(11):1855-7 (Eng. Abstr.) **(Ger)**

CHEMICAL SYNTHESIS

Analogues of formycins A and B: synthesis and some properties of methyl derivatives of 7-amino and 7-keto pyrazolo(4,3-d)pyrimidines. Wierzchowski J, et al. **Acta Biochim Pol** 1980;27(1):35-56

Dopaminergic activity in a series of N-substituted 2-aminopyrimidines. Moragues J, et al. **Farmaco [Sci]** 1980 Nov;35(11):951-64

Quantitative structure-selectivity relationships. Comparison of the inhibition of Escherichia coli and bovine liver dihydrofolate reductase by 5-(substituted-benzyl)-2,4-diaminopyrimidines. Dietrich SW, et al. **J Med Chem** 1980 Nov;23(11):1205-12

Cyclic guanidines. 14. Imidazo[1,2-a]thienopyrimidin-2-one derivatives as blood platelet aggregation inhibitors. Ishikawa F, et al. **J Med Chem** 1981 Apr;24(4):376-82

Quantitative structure-selectivity relationships. Comparison of the inhibition of Escherichia coli and bovine liver dihydrofolate reductase by 5-(substituted-benzyl)-2,4-diaminopyrimidines. Li RL, et al. **J Med Chem** 1981 May;24(5):538-44

Synthesis and antischistosomal activity of certain pyrazolo[1,5-a]pyrimidines. Senga K, et al. **J Med Chem** 1981 May;24(5):610-3

[4,6-Dialkylated pyrimidine derivatives (authors's transl)] Kreutzberger A, et al. **Arch Pharm (Weinheim)** 1981 May; 314(5):391-4 (Eng. Abstr.) **(Ger)**

[Substances with antiviral activity. XV. Preparation and antiherpes activity of alkyl- and acylamino-dihalogenated pyrimidines and pyridines] Giovannineti G, et al. **Farmaco [Sci]** 1980 Oct;35(10):879-86 (Eng. Abstr.) **(Ita)**

[Pyrido(2,3-d)pyrimidine antibacterial agents. V. Synthesis and reactions of 1H,5H-imidazo(1,2-a)pyrido(2,3-d)pyrimidines (author's transl)] Matsumoto J, et al. **Yakugaku Zasshi** 1980 Dec; 100(12):1187-93 (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

Localization of pacemaking activity in early embryonic heart monitored using voltage-sensitive dye. Kamino K, et al. **Nature** 1981 Apr 16;290(5807):595-7

IMMUNOLOGY

Development of antinuclear antibodies during minoxidil therapy [letter] Mitas JA 2d. **Arthritis Rheum** 1981 Mar; 24(3):570-1

METABOLISM

The design of cancer chemotherapy: metabolic modulation and cellular de novo versus salvage metabolism. Rustum YM, et al. **Antibiot Chemother** 1980;28:86-93 (0 ref.)

Altered purine and pyrimidine metabolism in erythrocytes with purine nucleoside phosphorylase deficiency. Fox IH, et al. **Biochem Genet** 1980 Apr;18(3-4):221-34

Haemolytic anaemia associated with disorders of the purine and pyrimidine salvage pathways. Paglia DE, et al. **Clin Haematol** 1981 Feb;10(1):81-98 (59 ref.)

Purine and pyrimidine metabolism in hereditary orotic aciduria: some unexpected effects of allopurinol. Simmonds HA, et al. **Eur J Clin Invest** 1980 Aug;10(4):333-9

Brugia pahangi: uptake and incorporation of nuclei acid precursors by microfilariae and macrofilariae in vitro. Chen SN, et al. **Exp Parasitol** 1981 Apr;51(2):296-306

Pyrimidine metabolism of Bdellovibrio bacteriovorus grown intraperiplasmically and axenically. Rosson RA, et al. **J Bacteriol** 1981 Apr;146(1):108-16

Early steps of excision repair of cyclobutane pyrimidine dimers by the Micrococcus luteus endonuclease. A three-step incision model. Gordon LK, et al. **J Biol Chem** 1981 Jul 10;256(13):8608-16

Aminoimidazole carboxamide ribonucleoside toxicity: a model for study of pyrimidine starvation. Thomas CB, et al. **J Cell Physiol** 1981 Jun;107(3):335-44

Subcellular localization of pyrimidine synthesis enzymes in bovine mammary tissue. Grummer MA, et al. **J Dairy Sci** 1981 Mar;64(3):526-32

Pyrimidine and purine metabolites in ornithine carbamoyl transferase deficiency. Webster DR, et al. **J Inherited Metab Dis** 1981;4(1):27-31

[Diffusion of co-tetroxazin into prostatic tissue (author's transl)] Riedmiller H, et al. **Arzneimittelforsch** 1981; 31(5):864-5 (Eng. Abstr.) **(Ger)**

[Genetic control of pathways of pyrimidine metabolism in Aspergillus nidulans. 1. Isolation and genetic analysis of 6-azauracil resistant mutants] Zinchenko VV, et al. **Genetika (Moskva)** 1980;16(9):1551-5 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Herbicidal effect on some metabolic processes of Azotobacter chroococcum. Pietr SJ. **Acta Microbiol Pol** 1981; 30(2):173-82

Effect of nolinium bromide, cimetidine, and oxyphencyclimine on gastric hypersecretion induced by some secretagogues in the rat. Goldenberg MM, et al. **Arch Int Pharmacodyn Ther** 1980 Sep;247(1):163-76

Effects of CS-611 on the electrophysiological properties of canine cardiac tissues. Ito K, et al. **Arch Int Pharmacodyn Ther** 1980 Mar;244(1):73-85

Effect of trapidil on mechanical and electrical activity of isolated rabbit atrium. Yoshikawa Y, et al. **Arch Int Pharmacodyn Ther** 1981 Mar;250(1):84-92

ECG changes during minoxidil therapy [letter] Palatini P. **Arch Intern Med** 1981 May;141(6):817

Cardiovascular pharmacology of bumepidil, a new synthetic vasoactive compound for coronary circulation. Kumakura S, et al. **Arzneimittelforsch** 1981;31(5):785-90

Analysis of relaxant effects of trapidil in isolated dog coronary artery. Sakanashi M, et al. **Arzneimittelforsch** 1980;30(11):1871-4

Mechanism of cardiovascular action of trapidil. Satoh K, et al. **Arzneimittelforsch** 1980;30(8):1264-8

Effects of trapidil on electrical activities of canine ventricular muscle. Yanagisawa T, et al. **Arzneimittelforsch** 1980; 30(8):1268-71

Effect of CH-1243, a pyrido (1,2-a) pyrimidine derivative on the elevated activity of lysosomal enzymes of rabbit aorta and liver in experimental atherosclerosis. Ecsedi GG, et al. **Atherosclerosis** 1981 May;39(2):183-90

Relationship between glycolysis and proliferation of L 1210 cells in vitro: effect of a new pharmacological effector: RA-233. Carpentier Y, et al. **Biochem Pharmacol** 1980 Oct 1;29(19):2690-2

Blocking by 2,4,6-triaminopyrimidine of increased tight junction permeability induced by acetylcholine in the pancreas. Jansen JW, et al. **Biochim Biophys Acta** 1980 May 8;598(1):115-26

Effects of isoprenaline, levodopa and a phosphodiesterase inhibitor (ICI 63,197) on cyclic AMP levels and contractions of soleus muscles in anesthetized cats. Merican Z, et al. **Clin Exp Pharmacol Physiol** 1981 Jan;8(1):57-66

Trapidil stimulation of slow Ca2+ current in cardiac muscle. Azuma J, et al. **Eur J Pharmacol** 1981 Jun 19; 72(2-3):199-208

Pharmacological activity of some pyrazolo[1,5-a]pyrimidines. Pirisino R, et al. **Farmaco [Sci]** 1979 Sep;34(9):802-7

Effect of a new pyrimidine analog on Bacillus subtilis growth. Raugei G, et al. **J Bacteriol** 1981 Feb;145(2):1079-81

Antihypertensive activity of 6-arylpyrido[2,3-d]pyrimidin-7-amine derivatives. Bennett LR, et al. **J Med Chem** 1981 Apr;24(4):382-9

Synthesis and structure--activity relationship of a pyrimido[4,5-d]pyrimidine derivative with antidepressant activity. Bernier JL, et al. **J Pharm Sci** 1980 Nov; 69(11):1343-5

Cardiovascular effects of a novel vasoactive antihypertensive agent, Ro 12-4713. Gerold M, et al. **J Pharmacol Exp Ther** 1981 Mar;216(3):624-33

Studies on the effect of chronic oral administration of minoxidil and hydralazine on vascular function in spontaneously hypertensive rats. Greeberg S. **J Pharmacol Exp Ther** 1980 Nov;215(2):279-86

Depressant effect of trapidil on dog coronary arterial contraction induced by ergonovine. Sakanashi M, et al. **Jpn Heart J** 1981 May;22(3):413-9

A new approach to the treatment of atherosclerosis and trapidil as an antagonist to platelet-derived growth factor. Ohnishi H, et al. **Life Sci** 1981 Apr 6;28(14):1641-6

Biochemical pharmacology of lipophilic diaminopyrimidine antifolates in mouse and human cells in vitro. Greco WR, et al. **Mol Pharmacol** 1980 Nov;18(3):521-8

The genotoxic potential of bases and nucleosides. Anderson D, et al. **Mutat Res** 1981 May;91(3):265-72

Plasma lipoprotein composition in cholesterol fed rabbits treated with pirinixil (BR 931), a new lipid lowering agent. Lovati MR, et al. **Pharmacol Res Commun** 1981 Feb; 13(2):133-9

Effects of buspirone on conflict behavior of laboratory rats and monkeys. Hartmann RJ, et al. **Proc West Pharmacol Soc** 1981;24:179-81

Effect of trapidil on prostacyclin generation of arterial wall. Kawamura T, et al. **Prostaglandins Med** 1980 Aug; 5(2):113-21

Effects of trapidil on thromboxane A2-induced aggregation of platelets, ischemic changes in heart and biosynthesis of thromboxane A2. Ohnishi H, et al. **Prostaglandins Med** 1981 Mar;6(3):269-81

Trichostrongylus colubriformis and Ostertagia sp resistant to levamisole, morantel tartrate and thiabendazole: infectivity, pathogenicity and drug efficacy in two breeds of sheep. Sangster NC, et al. **Res Vet Sci** 1980 Jul; 29(1):26-30

Trichostrongylus colubriformis and Ostertagia sp resistant to levamisole, morantel tartrate and thiabendazole: isolation into pure strain and anthelmintic titration. Whitlock HV, et al. **Res Vet Sci** 1980 Jul;29(1):31-5

Leukocyte response to mechanical trauma - antiplatelet drug effects. McIntire LV, et al. **Trans Am Soc Artif Intern Organs** 1980;26:289-93

[Study of the relation between chemical structure and antimitotic activity of a new series of pyrimidine arylthioethers (author's transl)] Jamoulle JC, et al. **Ann Pharm Fr** 1980;38(3):267-70 (Eng. Abstr.) **(Fre)**

[Antibacterial activity of co-trimoxazole and tetroxoprim/sulfadiazine in vitro (author's transl)] Hahn H, et al. **Arzneimittelforsch** 1980;30(7):1047-8 (Eng. Abstr.) **(Ger)**

[Effects of 9,9-dioxopromethazine (Prothanon) and trapidil (Rocornal) on UDP-glucuronyltransferase activity] Borchert HH, et al. **Pharmazie** 1980;35(7):440 **(Ger)**

[Effects of 5-methyl-7-diethylamino-s-triazolo-(1, 5-a) pyrimidine (trapidil) on various experimental hyperlipemias (author's transl)] Ohnishi H, et al. **Nippon Yakurigaku Zasshi** 1980 Sep;76(6):469-77 (Eng. Abstr.) **(Jpn)**

[Pharmacological properties of trapidil: comparison with other coronary vasodilators (author's transl)] Ohnishi H, et al. **Nippon Yakurigaku Zasshi** 1980 Sep;76(6):495-503 (Eng. Abstr.) **(Jpn)**

POISONING

Accidental overdosage of minoxidil in a child [letter] Isles C, et al. **Lancet** 1981 Jan 10;1(8211):97

THERAPEUTIC USE

Sustained effectiveness of minoxidil in heart failure after development of tolerance to other vasodilator drugs. Packer M, et al. **Am J Cardiol** 1981 Aug;48(2):375-9

Interaction of minoxidil and captopril in the treatment of refractory hypertension. Matson JR, et al. **Am J Dis Child** 1981 Mar;135(3):256-8

Minoxidil. Linas SL, et al. **Ann Intern Med** 1981 Jan; 94(1):61-5 (46 ref.)

Minoxidil and improvement of renal function in uremic malignant hypertension [editorial] Perry HM Jr. **Ann Intern Med** 1980 Nov;93(5):769-71

Minoxidil in uremic malignant hypertension [letter] Podjarny E, et al. **Ann Intern Med** 1981 Jun;94(6):822

Antiviral and interferon-inducing properties of interferon

inducers administered with prostaglandins. Stringfellow DA. **Antimicrob Agents Chemother** 1980 Mar;17(3):455–60
Minoxidil in hypertension. Tenschert W, et al. **Arch Int Pharmacodyn Ther** 1980;Suppl:104–15
Clofibrate, pirinixil (BR 931) and WY-14,643 do not affect body cholesterol in Sprague–Dawley rats. D'Atri G, et al. **Atherosclerosis** 1980 Nov;37(3):475–83
Effects of minoxidil on hemodynamics in patients with congestive heart failure. Franciosa JA, et al. **Circulation** 1981 Mar;63(3):652–7
Severe hypertension in chronic renal failure treated with minoxidil. Campieri C, et al. **Clin Exp Hypertens** 1979; 1(6):801–15
Minoxidil for severe hypertension. **Drug Ther Bull** 1981 Jan 16;19(2):5–7
Chronic treatment with the new potent vasodilator Ro 12–4713 in moderate to severe hypertension: effects on blood pressure, endocrine function, sodium and plasma volume. Grimm M, et al. **Eur J Clin Pharmacol** 1981; 20(2):79–84
Minoxidil in refractory hypertension. Spector R. **J Iowa Med Soc** 1980 Sep;70(9):385, 387
Managing refractory hypertension: assessing the use of a new antihypertensive agent. Letendre DE, et al. **J Kans Med Soc** 1981 Feb;82(2):64–8
Efficacy of four anthelmintics in Trichostrongylus axei or T. colubriformis infections in the gerbil, Meriones unguiculatus. Panitz E, et al. **J Parasitol** 1981 Feb; 67(1):135–6
Clinical use of minoxidil (Loniten). Joekes AM, et al. **J R Soc Med** 1981 Apr;74(4):278–82
Minoxidil experience in Australia 1974–1980. Jacobs D, et al. **Med J Aust** 1981 May 2;1(9):477–8
Minoxidil--a potent new antihypertensive agent. Sweet RM, et al. **Minn Med** 1980 Sep;63(9):633–6
Minoxidil and the treatment of severe hypertension. Pettinger WA. **N Engl J Med** 1980 Oct 16;303(16):922–6 (44 ref.)
Reversal of baldness in patient receiving minoxidil for hypertension [letter] Zappacosta AR. **N Engl J Med** 1980 Dec 18;303(25):1480–1
Advantages of treatment of hypertension with Minoxidil. Isles C, et al. **Scott Med J** 1980 Apr;25(2):99–103
[Long term minoxidil therapy in resistant hypertension: effects on blood pressure, on end-organ damage, and side-effects (author's transl)] Plouin PF, et al. **Therapie** 1980 Sep-Oct;35(5):641–3 (Eng. Abstr.) **(Fre)**
[Antibacterial treatment of urinary tract infections with co-tetroxazin (sterinor)] Reuter MA, et al. **Fortschr Med** 1981 May 7;99(17):654–8 (Eng. Abstr.) **(Ger)**
[Comparison of oral diazoxide and minoxidil in refractory hypertension] Meier A, et al. **Klin Wochenschr** 1980 Jul 1;58(13):681–7 (Eng. Abstr.) **(Ger)**
[Experiences with tibirox in infections of the respiratory tract] Bölcskei P, et al. **Med Welt** 1980 Dec 5;31(49):1790–4 **(Ger)**
[Clinical experiences with cotetroxazine, a new chemotherapeutic drug] Ebbinghaus KD. **Med Welt** 1980 Apr 25;31(17):638–40 **(Ger)**
[Long-term therapy of chronic recurring pyelonephritis with Sterinor in various dosages] Ebbinghaus KD. **Med Welt** 1981 Jan 9;32(2):63–7 **(Ger)**
[Clinical experiences with the new bactericidal broad-band chemotherapeutic drug co-tetroxazine] Kertzendorff KW. **Med Welt** 1980 Sep 12;31(37):1321–5 **(Ger)**
[Treatment of acute and chronic urinary tract infections with tibirox] Zimmermann P. **Ther Ggw** 1981 Apr;120(4):364–72 **(Ger)**
[Long-term treatment of urinary tract infections with tibirox] Albrecht J. **ZFA (Stuttgart)** 1981 Jul 20;57(20):1438–42 **(Ger)**
[Tibirox for urinary tract infections. Effectiveness in hospitalized and ambulatory patients] Heer H. **ZFA (Stuttgart)** 1980 May 10;56(13):949–52 **(Ger)**
[Treatment of arterial hypertension with minoxidil in renal insufficiency] Federico S, et al. **Minerva Med** 1980 Oct 13;71(39):2837–43 (Eng. Abstr.) **(Ita)**
[Minoxidil control of severe arterial hypertension complicating glomerulonephritis] Panasiuk E, et al. **Pol Arch Med Wewn** 1981 Jun;65(6):501–5 (Eng. Abstr.) **(Pol)**
[Antimutagenic effectiveness of pyrimidine derivatives in lesions of the bone marrow cell chromosome apparatus in mice infected with measles or poliomyelitis viruses] Il'inskikh NN. **Tsitol Genet** 1980 Nov-Dec;14(6):14–9 (Eng. Abstr.) **(Rus)**
[Treatment of moderate and severe hypertension with minoxidil (author's transl)] Valdés G, et al. **Rev Med Chil** 1981 Feb;109(2):120–4 (Eng. Abstr.) **(Spa)**

TOXICITY

Divergent effects of propranolol and furosemide pretreatment on acute cardiomyopathy induced by minoxidil in beagle dogs. Herman EH, et al. **Toxicology** 1981;20(2–3):155–64

URINE

Voltammetric determination of the azidopyrimidine diuretic 2-amino-4-azido-5-(2-ethoxyethyl)-6-phenylpyrimidine in urine. Smyth MR. **Analyst** 1980 Jun;105(1251):612–5
Determination of urinary thiamin by the thiochrome method. Dong MH, et al. **Clin Biochem** 1981 Feb;14(1):16–8

PYRIMIDINONES

Synthesis and anti-inflammatory properties of some pyrrolo(1H,3H)[3,4-d]pyrimidin-2-ones and pyrrolo(1H,6H)[3,4-d]pyrimidin-2-ones. Tarzia G, et al. **Farmaco [Sci]** 1979 Apr;34(4):316–30
Binding of 5-chloropyrimidin-2-one to horse liver alcohol dehydrogenase. Kovář J, et al. **FEBS Lett** 1981 Jun 15; 128(2):286–8

ANALYSIS

High-performance liquid chromatographic determination of 5-halopyrimidinone interferon inducers. Wynalda MA, et al. **Anal Chem** 1980 Oct;52(12):1931–4
[Spectrophotometric determination of the substance 977-VUFB (Damvar) in the visible zone] Vachek J, et al. **Cesk Farm** 1980 May;29(3–4):103–5 (Eng. Abstr.) **(Cze)**
[Chromatographic determination of Milgo in water, soil, and plants] Krasnykh AA, et al. **Gig Sanit** 1980 Jun;(6):69–70 **(Rus)**

CHEMICAL SYNTHESIS

Mesoionic xanthine analogues: phosphodiesterase inhibitory and hypotensive activity. Glennon RA, et al. **J Med Chem** 1981 Jun;24(6):658–61
Bronchodilator and antiulcer phenoxypyrimidinones. Lipinski CA, et al. **J Med Chem** 1980 Sep;23(9):1026–31
[Tumor inhibitory agents. 12. 2-Ureido-4(3H)-pyrimidinones] Kreutzberger A, et al. **Arch Pharm (Weinheim)** 1981 Jan;314(1):34–41 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

Staining of viable and nonviable myotubes and of myofibrils by the fluorescent dye merocyanine 540. Falke J, et al. **Differentiation** 1980;17(3):199–204
Surface potential dependence of the distribution of charged dye molecules onto photosynthetic membranes. Masamoto K, et al. **J Biochem (Tokyo)** 1981 Feb;89(2):397–405

METABOLISM

Isolation, synthesis, and pharmacology of metabolites of 1-(3,4-dichlorobenzyl)-3,4,5,6-tetrahydro-2(1H)-pyrimid Schwan TJ, et al. **J Pharm Sci** 1980 Oct;69(10):1203–5
[Recording of the electrical activity of nucles by means of potential-sensitive dyes] Reshetilov AN, et al. **Fiziol Zh SSSR** 1981 Feb;67(2):334–8 **(Rus)**

PHARMACODYNAMICS

The role of metabolic factors in the interaction between opiates and homopyrimidazoles in the central nervous system. Magyar K, et al. **Arch Toxicol [Suppl]** 1980; (4):376–9
Effect of azathioprine on antibody formation in mice and its modification by delta-(2-amino-6-hydroxy-3,4-dihydro-4-oxo-5-pyrimid acid. Svorcová M, et al. **Arzneimittelforsch** 1980; 30(6):978–80
The effect of Damvar on the formation of hemopoietic splenic colonies in mice, and on the peripheral blood picture in rats and dogs. Hrubá A, et al. **Czech Med** 1981; 4(1–2):25–31
Pharmacological aspects of shaking behavior produced by TRH, AG-3-5, and morphine withdrawal. Wei ET. **Fed Proc** 1981 Apr;40(5):1491–6
Benz-fused mesoionic xanthine analogues as inhibitors of cyclic-AMP phosphodiesterase. Glennon RA, et al. **J Med Chem** 1981 Jun;24(6):766–9
1-(substituted benzyl)-3,4,5,6-tetrahydro-2(1H)-pyrimidones: a series with stimulant and depressant activities. Ellis KO, et al. **J Pharm Sci** 1980 Oct;69(10):1194–8
Pharmacology of 1-(3,4-dichlorobenzyl)-3,4,5,6-tetrahydro-2(1H)-pyrimid a novel antidepressant compound with antianxiety activity. Ellis KO, et al. **J Pharm Sci** 1980 Oct;69(10):1198–1202
Analgesic effect of Probon in heart diseases. Tóth K, et al. **Ther Hung** 1980;28(3):106–8

THERAPEUTIC USE

Relief of postinfarction pain with Probon. Acs E, et al. **Ther Hung** 1980;28(2):71–3

URINE

A new method for the simultaneous analysis of unmodified and modified urinary nucleosides and nucleobases by high performance liquid chromatography. Schöch G, et al. **Clin Chim Acta** 1980 Dec 8;108(2):247–57

PYRITHIAMINE see under **PYRIDINIUM COMPOUNDS**

PYRITHIOXIN see under **PYRIDINES**

PYROCATECHOLS see **CATECHOLS**

PYRODIFENIUM BROMIDE see under **PYRROLIDINES**

PYROGALLOL

Cleavage of pyrogallol by non-heme iron-containing dioxygenases. Saeki Y, et al. **J Biol Chem** 1980 Sep 25; 255(18):8465–71

ANALOGS & DERIVATIVES

Metabolism of alkenebenzene derivatives in the rat. III. Elemicin and isoelemicin. Solheim E, et al. **Xenobiotica** 1980 May;10(5):371–80

PHARMACODYNAMICS

[Changes in segmental reflexes upon stimulation of the locus coeruleus of the brain stem and potentiation of catecholamine action] Iakhnitsa IA. **Neirofiziologiia** 1981; 13(1):39–47 (Eng. Abstr.) **(Rus)**

PYROGENS

Age-related changes in body temperature responses to morphine in rats. McDougal JN, et al. **Life Sci** 1980 Dec 22–29;27(25–26):2679–85
[Studies on the relationship between the pyrogen test and limulus test (author's transl)] Kanoh S, et al. **Eisei Shikenjo Hokoku** 1980;98:76–80 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Effects of pregnancy on the febrile responses in sheep. Heap RB, et al. **Q J Exp Physiol** 1981 Apr;66(2):129–44
[Differences in the pyrogenicity of pyrogen containing solutions after intravenous and subcutaneous application in rabbits and evidence of equally efficient amounts of pyrogens in the Limulus amoebocyte-lysate-test (author's transl)] Godau H. **Arb Paul Ehrlich Inst Georg Speyer Haus Ferdinand Blum Inst** 1980;74:56–96 (Eng. Abstr.) **(Ger)**
[Use of sulfozine to treat chronic alcoholism in pulmonary tuberculosis] Kalabukha AV, et al. **Probl Tuberk** 1981; (3):38–41 (Eng. Abstr.) **(Rus)**

ANALYSIS

An automated temperature recording apparatus for the determination of pyrogens in intravenous solutions. Joubert CJ. **Lab Anim** 1980 Apr;14(2):103–6
Intracerebroventricular injection of rats: a sensitive assay method for endogenous pyrogen circulating in rats. Critz WJ. **Proc Soc Exp Biol Med** 1981 Jan;166(1):6–11
[The Limulus test in studies of pyrogenicity. Applications in radiopharmacy] Phan The Tran, et al. **Arch Inst Pasteur Tunis** 1979 Sep;56(3):279–84 (Eng. Abstr.) **(Fre)**
[Comparison of the Limulus test with the pyrogen test in rabbits] Richter K, et al. **Acta Biol Med Ger** 1980; 39(2–3):277–80 (Eng. Abstr.) **(Ger)**

BIOSYNTHESIS

Endogenous pyrogen production by human blood monocytes stimulated by staphylococcal cell wall components. Oken MM, et al. **Infect Immun** 1981 Jan;31(1):208–13
Demonstration of a human pyrogen-inducing factor during mixed leukocyte reactions. Dinarello CA. **J Exp Med** 1981 May 1;153(5):1215–24
[Reversibility of the leukocyte activation state studied in a model of endogenous pyrogen formation by granulocytes] Rybakina EG, et al. **Biull Eksp Biol Med** 1980 Aug; 90(8):157–9 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Depyrogenation of a parenteral solution by ultrafiltration. Abramson D, et al. **J Parenter Sci Technol** 1981 Jan-Feb; 35(1):3–7

METABOLISM

Release of endogenous pyrogen-activating factor from concanavalin A-stimulated human lymphocytes. Bernheim HA, et al. **J Exp Med** 1980 Dec 1;152(6):1811–6
Release of an endogenous pyrogen from guinea pig leukocytes: the role of T lymphocytes and correlation with suppression (desensitization) of delayed hypersensitivity. Atkins E, et al. **J Immunol** 1980 Nov;125(5):2069–75
The Jeremiah Metzger Lecture. The pathogenesis of fever in human subjects. Wolff SM, et al. **Trans Am Clin Climatol Assoc** 1979;91:159–66

PHARMACODYNAMICS

The role of protein synthesis in the hypothalamic mechanism mediating pyrogen fever. Ruwe WD, et al. **Brain Res Bull** 1980 Nov-Dec;5(6):735–43
Behavioral fever induced in guinea-pigs by intrapreoptic pyrogen. Blatteis CM, et al. **Experientia** 1980 Sep 15; 36(9):1086–8
Role of the central nervous system in acute-phase responses to leukocytic pyrogen. Turchik JB, et al. **Infect Immun** 1980 Nov;30(2):439–44
Activation of adenovirus type 5 latent infections of tissue culture. Ongrádi J, et al. **Intervirology** 1980;14(5–6):310–5
Studies on the difference in the biological activities induced by pyrogen in rabbits restrained by two different methods.

Nishio A, et al. **Jpn J Pharmacol** 1980 Aug;30(4):568–70

Chloroquine pharmacokinetics in tissues of pyrogen treated rats and implications for chloroquine related pruritus. Osifo NG. **Res Commun Chem Pathol Pharmacol** 1980 Dec; 30(3):419–30

[Effect of bacterial pyrogen on plasma concentrations of sulfonamides in rabbit (author's transl)] Yoshida M, et al. **Eisei Shikenjo Hokoku** 1980;98:81–5 (Eng. Abstr.) **(Jpn)**

[Acute and chronic effects of pyrogen on mitochondrial monoamine oxidase (MAO) activity and respiratory activity in the rabbit liver (author's transl)] Nishio A, et al. **Nippon Yakurigaku Zasshi** 1980 Sep;76(5):301–6 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

[Effect of sodium nucleinate on the clinical and immunological indicators in infectious-allergic bronchial asthma] Sil'vestrov VP, et al. **Ter Arkh** 1981;53(3):115–9 (Eng. Abstr.) **(Rus)**

[Pyrogenal-vaccine therapy of men with gonorrhea] Shamshin NF, et al. **Vestn Dermatol Venerol** 1980 Nov; (11):62–4 (Eng. Abstr.) **(Rus)**

[Pyrogen treatment of liver cirrhosis in children] Savel'eva LA, et al. **Vopr Okhr Materin Det** 1980 Sep;25(9):26–9 (Eng. Abstr.) **(Rus)**

[Spontaneous leukocyte agglomeration and local hemolysis (plaque formation) reactions in viral hepatitis and the effects of different types of pathogenetic therapy on them] Vasil'ev VS. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Jul; (7):116–7 **(Rus)**

TOXICITY

A pyrogen derived from human white cells which is active in mice. Gordon AH, et al. **Br J Exp Pathol** 1980 Oct; 61(5):534–9

PYROGLOBULINS see under **PARAPROTEINS**

PYROGLUTAMATE AMINOPEPTIDASE see under **AMINOPEPTIDASES**

PYROGLUTAMATE HYDROLASE see under **AMIDOHYDROLASES**

PYRONES see under **PYRANS**

PYROPHOSPHATASES

Reconstitution of biological molecular generators of electric current. Inorganic pyrophosphatase. Kondrashin AA, et al. **Eur J Biochem** 1980 Dec;113(1):219–22

ANALYSIS

Studies of bovine seminal fluid nucleotide pyrophosphatase. Buckon ME, et al. **Arch Biochem Biophys** 1980 Jul; 202(2):396–404

Cytochemical demonstration of NADH-ferricyanide reductase and nucleoside diphosphatase activities in dictyosome-like structures of guinea pig spermatocytes. Morré DJ, et al. **Cell Tissue Res** 1980;211(1):65–72

ANTAGONISTS & INHIBITORS

[Affinity labeling of inorganic pyrophosphatase from yeast by methylphosphate] Lagutina IO, et al. **Biokhimiia** 1980 Sep;45(9):1568–75 (Eng. Abstr.) **(Rus)**

BLOOD

[In vitro maturation of reticulocytes. Behavior of RNA and inorganic pyrophosphatase] Mai A, et al. **Acta Biol Med Ger** 1980;39(2–3):217–22 (Eng. Abstr.) **(Ger)**

GENETICS

Individual variation of nucleoside triphosphate pyrophosphohydrolase activity in human erythrocytes, granulocytes, lymphocytes, and platelets. Verhoef VL, et al. **Biochem Genet** 1980 Apr;18(3–4):235–45

ISOLATION & PURIFICATION

Separation of inorganic pyrophosphatase from alkaline phosphatase in rabbit dental pulp. Oyama S, et al. **Int J Biochem** 1981;13(1):105–7

METABOLISM

Energy-linked reactions in photosynthetic bacteria: Pi in equilibrium with HOH oxygen exchange catalyzed by the membrane-bound inorganic pyrophosphatase of Rhodospirillum rubrum. Harvey GW, et al. **Arch Biochem Biophys** 1981 May;208(2):426–30

Activities and properties of inorganic pyrophosphate in normal tissues and hepatic tumors of the rat. Shatton JB, et al. **Cancer Res** 1981 May;41(5):1866–72

Thiamine pyrophosphatase activity in the axonal smooth endoplasmic reticulum of neurosecretory neurons. Castel M, et al. **Cell Tissue Res** 1980;210(2):205–21

Effect of colchicine on the Golgi apparatus and on GERL of rat jejunal absorptive cells. Ultrastructural localization of thiamine pyrophosphatase and acid phosphatase activity. Pavelka M, et al. **Eur J Cell Biol** 1981 Apr;24(1):53–61

The phosphorylation of yeast inorganic pyrophosphatase and formation of stoichiometric amounts of enzyme-bound pyrophosphate. Bakuleva NP, et al. **FEBS Lett** 1981 Feb 23;124(2):245–7

Thiaminepyrophosphatase activity in the plasma membrane of microglia. Murabe Y, et al. **Histochemistry** 1981; 71(1):45–52

Properties and biosynthetic connection of the nucleotide pyrophosphatases of rat liver plasma membrane and endoplasmic reticulum. Tran TT, et al. **Hoppe Seylers Z Physiol Chem** 1981 Mar;362(3):305–16

Pyridine nucleotide cycle of Salmonella typhimurium: in vitro demonstration of nicotinamide adenine dinucleotide glycohydrolase, nicotinamide mononucleotide glycohydrolase, and nicotinamide adenine dinucleotide pyrophosphatase activities. Foster JW. **J Bacteriol** 1981 Feb;145(2):1002–9

Inhibition of the action of pyrophosphatase and phosphatase on sugar nucleotides. Faltynek CR, et al. **J Biol Chem** 1981 Jul 25;256(14):7139–41

Galactosyltransferase activities in rat intestinal mucosa. Inhibition of nucleotide pyrophosphatase. Lau JT, et al. **J Biol Chem** 1981 Jul 25;256(14):7142–5

Activation of ppGpp-3'-pyrophosphohydrolase by a supernatant factor and ATP. Sy J. **J Biol Chem** 1980 Nov 10;255(21):10056–9

Localization of thiamine pyrophosphatase activity in motor end plates. László I, et al. **J Histochem Cytochem** 1981 May;29(5):658–62

Properties of a CDP-diglyceride hydrolase from guinea pig brain. Rittenhouse HG, et al. **J Neurochem** 1981 Mar; 36(3):991–9

The role of deoxyuridine triphosphate nucleotidohydrolase, uracil-DNA glycosylase, and DNA polymerase alpha in the metabolism of FUdR in human tumor cells. Caradonna SJ, et al. **Mol Pharmacol** 1980 Nov;18(3):513–20

Effects of thyroid hormones upon flavin adenine dinucleotide pyrophosphorylase activity in Novikoff hepatoma in rats. Rivlin RS, et al. **Proc Soc Exp Biol Med** 1980 Oct; 165(1):129–32

[Isolation and primary characterization of two forms of inorganic pyrophosphatase from ox heart muscle mitochondria] Efremovich NV, et al. **Biokhimiia** 1980 Jun; 45(6):1033–40 (Eng. Abstr.) **(Rus)**

[Comparative properties of metals activating inorganic pyrophosphatase] Volk SE, et al. **Biokhimiia** 1981 Jan; 46(1):33–9 (Eng. Abstr.) **(Rus)**

[NADP+ catabolic enzymes in differentiating rabbit erythroid cells] Nemchinskaia VL, et al. **Tsitologiia** 1981 Apr;23(4):465–8 (Eng. Abstr.) **(Rus)**

[Purification and properties of Pichia guilliermondii yeast alkaline nucleotide pyrophosphatase hydrolyzing flavin adenine dinucleotide] Strugovshchikova LP, et al. **Ukr Biokhim Zh** 1981 Jan–Feb;53(1):39–45 (Eng. Abstr.) **(Rus)**

PYROPHOSPHATES

Formation of calcium pyrophosphate crystals in vitro: implications for calcium pyrophosphate crystal deposition disease (pseudogout). Hearn PR, et al. **Ann Rheum Dis** 1980 Jun;39(3):222–7

Structural changes in synthetic myosin minifilaments and their dissociation by adenosine triphosphate and pyrophosphate. Oriol-Audit C, et al. **Biochemistry** 1981 Feb 17;20(4):679–86

Decomposition of Tc-99m pyrophosphate by peroxides in pertechnetate used in preparation. Der M, et al. **J Nucl Med** 1981 Jul;22(7):645–6

Calcium pyrophosphate crystal formation in aqueous solutions. Cheng PT, et al. **J Rheumatol** 1980 Sep–Oct; 7(5):609–16

ANALYSIS

Image alterations in the teaching microscope. A source of error in synovial fluid crystal identification. Nakonechny DS. **Am J Clin Pathol** 1980 Oct;74(4):392–5

Acute pseudogout: 'crystal shedding' or acute crystallization? Doherty M, et al. **Arthritis Rheum** 1981 Jul;24(7):954–7

Identification of calcium pyrophosphate dihydrate crystals in asymptomatic metatarsophalangeal joints [letter] Ferraccioli GF, et al. **Arthritis Rheum** 1980 Dec; 23(12):1405

Radiometric measurement of pyrophosphate in cell cultures. McGuire MB, et al. **Biochem Soc Trans** 1980 Oct; 8(5):529–30

Crystal-associated arthropathies: what's new in old joints. Pritzker KP. **J Am Geriatr Soc** 1980 Oct;28(10):439–45

CHEMICAL SYNTHESIS

Chemical synthesis of [32P]pyrophosphate with high specific activity. Lam KS, et al. **Anal Biochem** 1980 Nov 1; 108(2):279–81

DIAGNOSTIC USE

Intense, persistent myocardial avid technetium-99m-pyrophosphate scintigraphy in acute myocarditis. Mitsutake A, et al. **Am Heart J** 1981 May; 101(5):683–4

The use of serial bone scans in assessing response of bone metastases to systemic treatment. Citrin DL, et al. **Cancer** 1981 Feb 15;47(4):680–5

Accumulation of technetium-99m pyrophosphate in experimental infarctions in the rat. Lessem J, et al. **Cardiovasc Res** 1980 Jun;14(6):352–9

Failure to diagnose cardiac treatment rejection with Tc99m-PYP images. McKillop JH, et al. **Clin Nucl Med** 1981 Aug;6(8):375–7

Stabilization of 99mTc-pyrophosphate injection with gentisic acid. Ballinger J, et al. **Eur J Nucl Med** 1981 Apr;6(4):153–4

The effect of parathyroid hormone on technetium-99m pyrophosphate distribution in rats [letter] Fogelman I, et al. **Eur J Nucl Med** 1981;6(5):235

Tc-99m pyrophosphate myocardial imaging in perimyocarditis. Ahmad M, et al. **J Nucl Med** 1981 May; 22(5):452–4

Tc-99m pyrophosphate myocardial scanning in Chagas' disease. da Rocha AF, et al. **J Nucl Med** 1981 Apr; 22(4):347–8

Differential accumulation of Tc-99m DTPA and Tc-99m pyrophosphate within cerebral and cranial lesions: concise communication. Kim EE, et al. **J Nucl Med** 1980 Sep; 21(9):838–40

Myocardial infarct imaging: superiority of inorganic agents over organic diphosphonates [letter] Logic JR, et al. **J Nucl Med** 1981 Jul;22(7):659–70

Bone scanning in the detection of occult fractures. Batillas J, et al. **J Trauma** 1981 Jul;21(7):564–9

Infarct avid (hot spot) myocardial scintigraphy. Holman BL, et al. **Radiol Clin North Am** 1980 Dec;18(3):487–99 (90 ref.)

Abdominal and hepatic uptake of 99mTc-pyrophosphate in neonatal necrotizing enterocolitis. Caride VJ, et al. **Radiology** 1981 Apr;139(1):205–9

The effect of age on the quality of bone scans using technetium-99m pyrophosphate. Wilson MA. **Radiology** 1981 Jun;139(3):703–5

[Scintigraphic diagnosis of experimentally induced pericarditis in dogs using 99mTc-labelled pyrophosphate (author's transl)] Duška F, et al. **Nuklearmedizin** 1981 Apr; 20(2):85–9 (Eng. Abstr.) **(Ger)**

[99mTc-pyrophosphate myocardial scintigraphy in patients with chronic stable angina pectoris (author's transl)] Aldor E, et al. **ROEFO** 1981 Feb;134(2):192–5 (Eng. Abstr.) **(Ger)**

[Experimental studies on myocardial scintigraphy, especially, characteristic imaging of 99mTc-pyrophosphate after coronary artery ligation and reperfusion] Nagai Y. **Kaku Igaku** 1980 Jul;17(6):675–90 (Eng. Abstr.) **(Jpn)**

[Scintigraphy with 99m Tc pyrophosphate in the localization of myocardial infarction. Correlation with electrocardiographic and vectorcardiographic data] Hironaka FH, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1980 Aug;35(4):188–93 (Eng. Abstr.) **(Por)**

METABOLISM

Pyrophosphate arthritis with local amyloid deposition. Sørensen KH, et al. **Acta Orthop Scand** 1981;52(2):129–33

Changes in liver inorganic pyrophosphate content during ethanol metabolism. Cook GA, et al. **Adv Exp Med Biol** 1980;132:433–40

An improved method for assaying pyrophosphate exchange measuring Cerenkov radiation. Hansen BS. **Anal Biochem** 1980 Nov 15;109(1):12–7

Pyrophosphate arthropathy in hypophosphatasia. Eade AW, et al. **Ann Rheum Dis** 1981 Apr;40(2):164–70

Accumulation of pyrophosphate and other energy-rich phosphorous compounds under various conditions of yeast growth. Ermakova SA, et al. **Arch Microbiol** 1981 Feb; 128(4):394–7

Clearance of calcium pyrophosphate dihydrate crystals in vivo. III. Effects of synovial hemosiderosis. McCarty DJ, et al. **Arthritis Rheum** 1981 May;24(5):706–10

Comparison of phosphohydrolase activities from articular cartilage in calcium pyrophosphate deposition disease and primary osteoarthritis. Tenenbaum J, et al. **Arthritis Rheum** 1981 Mar;24(3):492–500

The effect of parathyroid hormone on technetium-99m pyrophosphate distribution in rats. Halpern SE, et al. **Eur J Nucl Med** 1980 Dec;5(6):515–9

The phosphorylation of yeast inorganic pyrophosphatase and formation of stoichiometric amounts of enzyme-bound pyrophosphate. Bakuleva NP, et al. **FEBS Lett** 1981 Feb 23;124(2):245–7

Relationship of free cytoplasmic pyrophosphate to liver glucose content and total pyrophosphate to cytoplasmic phosphorylation potential. Veech RL, et al. **FEBS Lett** 1980 Aug 25;117 Suppl:K65–72

Purification and characterization of a GTP-pyrophosphate exchange activity from vaccinia virions. Association of the GTP-pyrophosphate exchange activity with vaccinia mRNA guanylyltransferase . RNA (guanine-7-)methyltransferase complex (capping enzyme). Shuman S, et al. **J Biol Chem** 1980 Dec 10;255(23):11588–98

A novel reaction catalyzed by unadenylylated glutamine synthetase from Escherichia coli. AMP-dependent synthesis of pyrophosphate and L-Glutamate from orthophosphate and L-glutamine. Whitley EJ Jr, et al. **J Biol Chem** 1980 Nov 25;255(22):10663–70

Effect of vitamin D3, other drugs altering serum calcium or phosphorus concentrations, and desoxycorticosterone on the distribution of Tc-99m pyrophosphate between target and nontarget tissues. Carr EA Jr, et al. **J Nucl Med** 1981 Jun;22(6):526–34

Drug-induced modulation of Tc-99m pyrophosphate tissue distribution: what is involved? Wahner HW, et al. **J Nucl Med** 1981 Jun;22(6):555-9

The tophus in calcium pyrophosphate deposition disease. Leisen JC, et al. **JAMA** 1980 Oct 10;244(15):1711-2

Subcutaneous crystal deposition in pseudogout. Rothschild BM, et al. **JAMA** 1980 Nov 7;244(18):2079-80

Hereditary pyrophosphate arthropathy [letter] Faure G, et al. **Scand J Rheumatol** 1981;10(2):159-60

[The use of 99mTc-pyrophosphate indices in the quantitative evaluation of rheumatoid arthritis activity] Jonderko G, et al. **Z Rheumatol** 1980 May-Jun;39(5-6):197-203 (Eng. Abstr.) **(Ger)**

[Calcium pyrophosphate dihydrate deposition disease] Yaretzky A, et al. **Harefuah** 1980 Feb 1;98(3):123-6 **(Heb)**

[Possible participation of pyrophosphate in ADP and ATP biosyntheses from exogenous adenine by a culture of Corynebacterium species VSTI-301] Butukhanov VD, et al. **Biokhimiia** 1980 Jul;45(7):1182-8 (Eng. Abstr.) **(Rus)**

[Inhibitory analysis as an approach to investigation of regulation of ATP and pyrophosphate biosynthesis in mitochondria] Pullaiia T, et al. **Biokhimiia** 1980 Jun; 45(6):1093-7 (Eng. Abstr.) **(Rus)**

[Clinical and experimental evaluation of osteotropic radiopharmaceutical preparations] Korsunskiĭ VN, et al. **Med Radiol (Mosk)** 1980 Sep;25(9):9-13 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Inhibition of hepatitis B Dane particle DNA polymerase activity by pyrophosphate analogs. Nordenfelt E, et al. **Acta Pathol Microbiol Scand [B]** 1980 Jun;88B(3):169-75

Effects of pyrophosphate, triphosphate, and potassium chloride on adenylate deaminase from rat muscle. Wheeler TJ, et al. **Biochemistry** 1980 Sep 30;19(20):4564-7

[Effect of inorganic pyrophosphate and its diphosphonate analogs on glucose-6-phosphatase dehydrogenase activity of mouse organs] Gulaia NM, et al. **Ukr Biokhim Zh** 1981 Jan-Feb;53(1):94-100 (Eng. Abstr.) **(Heb)**

PHYSIOLOGY

Iron transfer from transferrin to ferritin mediated by pyrophosphate. Konopka K, et al. **Biochem Biophys Res Commun** 1980 Oct 16;96(3):1408-13

THERAPEUTIC USE

Effect on dental caries of a stannous fluoride-calcium pyrophosphate dentrifice in an adult population: one-year results. Lu KH, et al. **Pharmacol Ther Dent** 1980; 5(1-2):11-6

TOXICITY

Cellular toxicity of pyrophosphate analogues. Stenberg K. **Biochem Pharmacol** 1981 May 1;30(9):1005-8

URINE

The effect of urine, pyrophosphate, citrate, magnesium and glycosaminoglycans on the growth and aggregation of calcium oxalate crystals in vitro. Ryall RL, et al. **Clin Chim Acta** 1981 May;112(3):349-56

PYROPHOSPHORIC ACID ESTERS see under **ORGANOPHOSPHORUS COMPOUNDS**

PYROSIS see **HEARTBURN**

PYRROLAMIDOL see **DEXTROMORAMIDE**

PYRROLES

Interaction of netropsin and distamycin with deoxyribonucleic acid: electric dichroism study. Dattagupta N, et al. **Biochemistry** 1980 Dec 23; 19(26):5998-6005

Aspects of specific DNA-protein interaction; local bending of DNA molecules by in-register binding of the oligopeptide antibiotic distamycin. Reinert KE. **Biophys Chem** 1981 Feb;13(1):1-14

Structure and activity of the prosthetic group of methanol dehydrogenase. Duine JA, et al. **Eur J Biochem** 1980; 108(1):187-92

Synthesis and anti-inflammatory properties of some pyrrolo(1H,3H)[3,4-d]pyrimidin-2-ones and pyrrolo(1H,6H)[3,4-d]pyrimidin-2-ones. Tarzia G, et al. **Farmaco [Sci]** 1979 Apr;34(4):316-30

The nomenclature of tetrapyrroles: a report. Karlson P. **Hoppe Seylers Z Physiol Chem** 1981 Jan;362(1):VII-XII

[hyperchromic spectra of DNA complexes with phenosafranine and distamycin A] Riaim T, et al. **Mol Biol (Mosk)** 1980;14(1):94-104 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Orally administered zomepirac and parenterally administered morphine. Comparison for the treatment of postoperative pain. Forrest WH Jr. **JAMA** 1980 Nov 21;244(20):2298-302

ADVERSE EFFECTS

Reaction to tolmetin explained [letter] Clark NR. **JAMA** 1980 Sep 5;244(10):1093

Tolmetin. Association with reversible renal failure and acute interstitial nephritis. Katz SM, et al. **JAMA** 1981 Jul 17; 246(3):243-5

Tolmetin-induced aseptic meningitis. Ruppert GB, et al. **JAMA** 1981 Jan 2;245(1):67-8

Anaphylaxis from tolmetin [letter] Ahmad S. **N Engl J Med** 1980 Dec 11;303(24):1417

Apparent anaphylactic reaction to zomepirac (Zomax) [letter] Samuel SA. **N Engl J Med** 1981 Apr 16;304(16):978

ANALYSIS

Enzymatic assays of L-ornithine and L-delta 1-pyrroline-5-carboxylate in tissues, and orniathine-load test in human subjects. Matsuzawa T, et al. **Anal Biochem** 1980 Jul 15;106(1):1-6

delta 1-Pyrroline-5-carboxylate reductase from Baker's yeast. Purification, properties and its application in the assays of L-delta 1-pyrroline-5-carboxylate and L-ornithine in tissue. Matsuzawa T, et al. **Biochim Biophys Acta** 1980 Jun 13;613(2):318-23

Dipyrroles in the bile, gallstones, feces and urine. Petryka ZJ, et al. **Int J Biochem** 1980;12(5-6):1067-74

BIOSYNTHESIS

Mechanism of bile-pigment synthesis in algae. 18O incorporation into phycocyanobilin in the unicellular rhodophyte, Cyanidium caldarium. Brown SB, et al. **Biochem J** 1980 Aug 15;190(2):445-9

BLOOD

The metabolism of zomepirac sodium. I. Disposition in laboratory animals and man. Grindel JM, et al. **Drug Metab Dispos** 1980 Sep-Oct;8(5):343-8

Plasma protein binding of zomepirac sodium. O'Neill PJ. **J Pharm Sci** 1981 Jul;70(7):818-9

CHEMICAL SYNTHESIS

Syntheses of 3-substituted pyrrole derivatives with antiinflammatory activity. Sakai K, et al. **Chem Pharm Bull (Tokyo)** 1980 Aug;28(8):2384-93

Permethyl analogue of the pyrrolic antibiotic distamycin A. Gendler PL, et al. **J Med Chem** 1981 Jan;24(1):33-8

Synthesis of alkylaminoalkylamides of substituted 2-aminopyrroles as potential local anesthetic and antiarrhythmic agents I: alpha-Amines. Sowell JW Sr, et al. **J Pharm Sci** 1981 Feb;70(2):135-40

Synthesis of alkylaminoalkylamides of substituted 2-aminopyrroles as potential local anesthetic and antiarrhythmic agents. II: beta-Amines. Sowell JW Sr, et al. **J Pharm Sci** 1981 May;70(5):537-41

Synthesis and vasodepressor screen of a series of 2-(2-alkylaminoalkylamido)-3-carbamyl-4-methyl-5-ben Wang LD, et al. **J Pharm Sci** 1981 Jun;70(6):699-701

CLASSIFICATION

IUPAC-IUB joint commission on biochemical nomenclature (JCBN). Nomenclature of tetrapyrroles. Recommendations 1978. Merritt JE, et al. **Eur J Biochem** 1980;108(1):1-30

The nomenclature of tetrapyrroles. A report. Karlson P. **J Clin Chem Clin Biochem** 1981 Jan;19(1):43-7

METABOLISM

delta'-Pyrroline: an intermediary metabolite in the conversion of putrescine to 2-pyrrolidone. Lundgren DW, et al. **Biochem Biophys Res Commun** 1980 Nov 28; 97(2):667-72

Applications of deuterium labeling in the study of the in vitro conversion of delta 1-pyrroline to 4-aminobutanoic acid and 2-pyrrolidinone. Callery PS, et al. **Biomed Mass Spectrom** 1980 Nov;7(11-12):525-8

Relation of structural features to pyrrolic metabolites in livers of rats given pyrrolizidine alkaloids and derivatives. Mattocks AR. **Chem Biol Interact** 1981 Jun;35(3):301-10

An in vitro study of 3-cyano-4,5-dimethyl-2-pyrrolyloxamic acid metabolism. Honigberg IL, et al. **Drug Metab Dispos** 1981 Jan-Feb; 9(1):67-8

Biosynthetic evidence for a nickel tetrapyrrole structure of factor F430 from Methanobacterium thermoautotrophicum. Diekert G, et al. **FEBS Lett** 1980 Sep 22;119(1):118-20

Monopyrroles in porphyria, psychosis and lead exposure. Moore MR, et al. **Int J Biochem** 1980;12(5-6):827-32

Fluorescence methods in the diagnosis and management of diseases of tetrapyrrole metabolism. Lamola AA. **J Invest Dermatol** 1981 Jul;77(1):114-21

[Synthetic ligands capable of 'recognizing' DNA AT-sequences possessing a 2nd-order axis of symmetry] Krylov AS, et al. **Dokl Akad Nauk SSSR** 1980 Sep-Oct; 254(1):234-8 **(Rus)**

[Pharmacokinetics of tolectin (tolmetin) in serum and in the synovial fluid] Franchimont P, et al. **Rev Esp Reum Enferm Osteoartic** 1980;23(2):153-6 **(Spa)**

PHARMACODYNAMICS

Glucosamine acetoacetate condensate. IV. Its effect upon diabetic mice. Padron JL, et al. **Acta Diabetol Lat** 1980 Apr-Jun;17(2):173-5

Effect of distamycin A on interferon production induced in vitro by Newcastle disease virus [letter] Pugliese A, et al. **Acta Virol (Praha)** 1981 Jan;25(1):62

Desmutagenic actions of ascorbic acid and cysteine on a new pyrrole mutagen formed by the reaction between food additives; sorbic acid and sodium nitrite. Osawa T, et al. **Biochem Biophys Res Commun** 1980 Jul 31;95(2):835-41

Site of analgesic action of a non-steroidal, anti-inflammatory drug, tolmetin sodium, in rats. Nakamura H, et al. **Br J Pharmacol** 1981 Jul;73(3):779-85

Carcinogen-DNA interaction: complexing of distamycin-A with DNA is necessary for its inhibitory effect on the N-methyl-N-nitrosourea induced methylation of DNA. Rajalakshmi S, et al. **Chem Biol Interact** 1981 Apr; 35(1):125-8

The fragile site at 16q22, distamycin A, and the normal pachytene structure of chromosome 16: some possible interrelationships. Hungerford DA. **Cytogenet Cell Genet** 1981;30(1):63-4

Demonstration of a heritable fragile site in human chromosome 16 with distamycin A. Schmid M, et al. **Cytogenet Cell Genet** 1980;28(1-2):87-94

Zomepirac (Zomax, McNeil Pharmaceutical). McLeod DC. **Drug Intell Clin Pharm** 1981 Jul-Aug;15(7-8):522-30 (26 ref.)

Structure-activity relationships of pyrrole amidine antiviral antibiotics. 2. Preparation of mono- and tripyrrole derivatives of congocidine. Bialer M, et al. **J Med Chem** 1980 Oct;23(10):1144-8

Antiparasitic structure-activity relationships of congocidine derivatives. Bialer M, et al. **J Pharm Sci** 1981 Jul; 70(7):822-4

Structure-activity relationships of pyrrole amidine antiviral antibiotics III: preparation of distamycin and congocidine derivatives based on 2,5-disubstituted pyrroles. Bialer M, et al. **J Pharm Sci** 1980 Nov;69(11):1334-8

Structure-activity relationships of novel 3-acylpyrrole derivatives: new inhibitors of platelet aggregation. Ohtsu A, et al. **J Pharmacobiodyn** 1980 Nov;3(11):589-602

[Effect of TEI-2117, a new antithrombotic compound, on arachidonic acid metabolism] Otsu A, et al. **Rinsho Byori** 1979;Suppl 40:117-21 **(Jpn)**

THERAPEUTIC USE

Clinical experience with tolmetin sodium. Balme HW, et al. **Curr Med Res Opin** 1980;7(2):127-30

Clinical study comparing acupuncture, physiotherapy, injection and oral anti-inflammatory therapy in shoulder-cuff lesions. Berry H, et al. **Curr Med Res Opin** 1980;7(2):121-6

Tolmetin sodium and indomethacin in the treatment of osteoarthrosis of the hip: a double-blind crossover study. Davies J, et al. **Curr Med Res Opin** 1980;7(2):115-20

A double-blind comparative evaluation of tolmetin versus naproxen in osteoarthritis. Telhag H, et al. **Curr Med Res Opin** 1981;7(6):392-400

Severe psoriasis and tolmetin sodium therapy. Nuwer DC. **Cutis** 1980 Sep;26(3):303

A double-blind study of zomepirac sodium and placebo in the treatment of muscle contraction headache. Diamond S, et al. **Headache** 1981 Mar;21(2):45-8

Zomepirac sodium vs APC with codeine for oral surgery pain. Mehlisch DR, et al. **J Oral Surg** 1981 Jun;39(6):426-9

Zomepirac sodium. A new nonaddicting analgesic. Lewis JR. **JAMA** 1981 Jul 24-31;246(4):377-9

Zomepirac sodium — a new oral analgesic. **Med Lett Drugs Ther** 1981 Jan 9;23(1):1-3

[Double-blind study of tolmetin osteoarthritis (author's transl)] Ginsberg F, et al. **Rev Med Brux** 1980 Sep; 1(7):451-6 (Eng. Abstr.) **(Fre)**

[Comparison of the therapeutic efficacy and tolerability of acemetacin and tolmetin (author's transl)] Handrich L. **Arzneimittelforsch** 1980;30(8A):1448-51 (Eng. Abstr.) **(Ger)**

[Antirheumatics in highly demanding sports] Frič J, et al. **ZFA (Stuttgart)** 1980 Nov 10;56(31):2160-4 **(Ger)**

TOXICITY

Liver cell enlargement in rats given hydroxymethyl pyrroles analogous to pyrrolizidine alkaloid metabolites, followed later by the hepatotoxin dimethylnitrosamine. Mattocks AR. **Toxicol Lett** 1981 Jun-Jul;8(4-5):201-5

URINE

The metabolism of zomepirac sodium. II. Isolation and identification of the urinary metabolites in rat, mouse, rhesus monkey, and man. Wu WN, et al. **Drug Metab Dispos** 1980 Sep-Oct;8(5):349-52

PYRROLIDINES

Glycopyrrolate in children. A comparison between the effects of glycopyrrolate and atropine administered before induction of anaesthesia. Lavis DM, et al. **Anaesthesia** 1980 Nov;35(11):1068-71

Kainic acid animal model predicts therapeutic agents in Huntington's chorea. Borison RL, et al. **Trans Am Neurol Assoc** 1979;104:67-9

[Local pyromecaine anesthesia of the urethra] Komar MD. **Urol Nefrol (Mosk)** 1981 Jan-Feb;(1):58-9 **(Rus)**

ADMINISTRATION & DOSAGE

Reversal of neuromuscular blockade: dose determination studies with atropine and glycopyrrolate given before or in a mixture with neostigmine. Mirakhur RK, et al. **Anesth Analg (Cleve)** 1981 Aug;60(8):557–62

Treatment of renal carcinoma: a phase III randomized trial of oral medroxyprogesterone (Provera), hydroxyurea, and nafoxidine. Stolbach LL, et al. **Cancer Treat Rep** 1981 Jul–Aug;65(7–8):689–92

Increase in striatal [3H]muscimol binding following intrastriatal injection of kainic acid: a denervation supersensitivity phenomenon. Kuriyama K, et al. **J Neurochem** 1980 Aug;35(2):343–8

Iontophoresis of kainic acid. McCaughran JA, et al. **Neurochem Res** 1981 Jan;6(1):97–8

[The use of prifinium bromide in labor] Selvaggi L, et al. **Minerva Ginecol** 1980 Jul–Aug;32(7–8):663–7 (Eng. Abstr.) **(Ita)**

[Action of an atropine-like parasympatholytic drug on labor] Tolino A, et al. **Minerva Ginecol** 1980 Jul–Aug; 32(7–8):655–62 (Eng. Abstr.) **(Ita)**

[Premedication with prifinium bromide in the course of duodenoscopic retrograde cholangiopancreatography] Spinelli P, et al. **Minerva Med** 1980 Nov 17;71(46):3393–6 (Eng. Abstr.) **(Ita)**

ANALYSIS

Assay of procyclidine hydrochloride, cyclizine hydrochloride and diethylcarbamazine citrate in tablets using ion-responsive electrodes. Campbell MJ, et al. **Analyst** 1980 Jun;105(1251):605–11

Analysis of procyclidine in human plasma and urine by gas–liquid chromatography. Dean K, et al. **J Chromatogr** 1980 Dec 12;221(2):408–13

The assay of procyclidine in tablets and injections by derivative spectrometry. Jones R, et al. **J Pharm Pharmacol** 1981 Jul;33(7):458–9

Xilobam: analysis, determination of decomposition products, and assessment of stability. Janicki CA, et al. **J Pharm Sci** 1981 Jul;70(7):778–80

ANTAGONISTS & INHIBITORS

Antagonism of intrastriatal and intravenous kainic acid by 1-nuciferine: comparison with various anticonvulsants and GABAmimetics. Liebman JM, et al. **Life Sci** 1980 Nov 24;27(21):1991–8

BLOOD

Quantitative determination of benzilonium bromide in plasma by gas chromatography–mass spectrometry after oxidation to benzophenone. Dahlström H, et al. **J Chromatogr** 1980 Oct 10;183(4):511–3

Assay of prolintane in plasma by capillary gas chromatography with nitrogen–selective detection. Schmid J. **J Chromatogr** 1981 Jan 2;222(1):129–34

CHEMICAL SYNTHESIS

[Synthesis of pyrrolidine derivatives with pharmacological activity. X. Synthesis of 1,1-diethyl- and 1,1-(epimeric)-ethylmethyl-2-methyl-4-diphenyl-methyle iodides as potential anticholinergic agents (author's transl)] Ozawa N, et al. **Yakugaku Zasshi** 1980 Jul;100(7):749–54 (Eng. Abstr.) **(Jpn)**

DIAGNOSTIC USE

Neutron activation analysis of normal and cadmium injected rat liver using ammonium pyrrolidinedithiocarbamate extraction. Shinogi M, et al. **Radioisotopes** 1980 Aug; 29(8):368–72

ISOLATION & PURIFICATION

Detection of pyrrolizidine-type alkaloids in matarique (Cacalia decomposita). Sullivan G. **Vet Hum Toxicol** 1981 Feb;23(1):6–7

METABOLISM

Decreased receptor-binding sites for kainic acid in brains of patients with Huntington's disease. London ED, et al. **Biol Psychiatry** 1981 Feb;16(2):155–62

Autoradiographic localization of specific kainic acid binding sites in pigeon and rat cerebellum. Henke H, et al. **Brain Res** 1981 Aug 24;219(1):95–105

Distinguishing characteristics between glutamate and kainic acid binding sites in brain synaptic membranes. Michaelis EK, et al. **FEBS Lett** 1980 Aug 25;118(1):55–7

Pharmacokinetics of buflomedil after intravenous and oral administration. Rey E, et al. **Int J Clin Pharmacol Ther Toxicol** 1980 Oct;18(10):437–41

Ontogeny of receptor binding sites for [3H]glutamic acid and [3H]kainic acid in the rat cerebellum. Slevin JT, et al. **J Neurochem** 1981 Aug;37(2):531–3

Synaptic localization of kainic acid binding sites. Foster AC, et al. **Nature** 1981 Jan 1;289(5793):73–5

Methyltetrahydrofolate is a potent and selective agonist for kainic acid receptors. Ruck A, et al. **Nature** 1980 Oct 30; 287(5785):852–3

PHARMACODYNAMICS

Comparison of Glycopyrrolate, atropine and hyoscine in mixture with neostigmine for reversal of neuromuscular block following closed mitral valvotomy. Bali IM, et al. **Acta Anaesthesiol Scand** 1980 Aug;24(4):331–5

The use of dioxonium as a neuromuscular blocking agent. Salmenperä M, et al. **Acta Anaesthesiol Scand** 1980 Oct; 24(5):395–8

Neuromuscular blocking properties of dioxonium. Tammisto T, et al. **Acta Anaesthesiol Scand** 1980 Dec;24(6):439–43

Effect of meclastine, an H1-antihistamine, on plasma ACTH in adrenal insufficiency. Allolio B, et al. **Acta Endocrinol (Copenh)** 1981 May;97(1):98–102

Effects of intrahypothalamic injections of kainic acid on the behaviour of rats. Plech A, et al. **Acta Physiol Pol** 1981 Mar–Apr;32(2):145–54

Kainic acid and other excitotoxins: a comparative analysis. Olney JW. **Adv Biochem Psychopharmacol** 1981;27:375–84 (24 ref.)

Electrophysiological studies of kainate, quisqualate, and ibotenate action on the crayfish neuromuscular junction. Shinozaki H, et al. **Adv Biochem Psychopharmacol** 1981; 27:327–36

Reversal of non-depolarising neuromuscular block in children: a comparison of atropine and glycopyrrolate in a mixture with neostigmine. Black GW, et al. **Anaesthesia** 1980 Sep;35(9):913–6

Effects of intravenous administration of glycopyrrolate and atropine in anaesthetised patients. Mirakhur RK, et al. **Anaesthesia** 1981 Mar;36(3):277–81

Atropine and glycopyrrolate effects on lung mechanics in normal man. Gal TJ, et al. **Anesth Analg (Cleve)** 1981 Feb; 60(2):85–90

Effects of atropine, glycopyrrolate, and cimetidine on gastric secretions in morbidly obese patients. Wilson SL, et al. **Anesth Analg (Cleve)** 1981 Jan;60(1):37–40

Sustained limbic seizures induced by intraamygdaloid kainic acid in the baboon: Symptomatology and neuropathological consequences. Menini C, et al. **Ann Neurol** 1980 Nov; 8(5):501–9

Lack of effect of the antihistamine drug clemastine on the potentiation of itch by prostaglandin E1. Boss M, et al. **Arch Dermatol** 1981 Apr;117(4):208–9

Comparative antidysrhythmic profiles of bepridil, amiodarone and disopyramide in the guinea-pig and dog. Labrid C, et al. **Arch Int Pharmacodyn Ther** 1981 Jan; 249(1):87–97

Some pyrrolidine and pyrrolizine derivatives as inhibitors of blood platelet aggregation. Makoni SH, et al. **Arzneimittelforsch** 1980;30(7):1135–7

Regulatory impairments following selective kainic acid lesions of the neostriatum. Dunnett SB, et al. **Behav Brain Res** 1980 Dec;1(6):497–506

The effect of intrahippocampally applied anisomycin on the retention of brightness discrimination in rats. Grecksch G, et al. **Behav Neural Biol** 1980 Jul;29(3):281–8

Estrogen regulation of specific messinger RNA's in human breast cancer cells. Adams DJ, et al. **Biochem Biophys Res Commun** 1980 Dec 31;97(4):1354–61

Kainic acid, a powerful inhibitor of the b-wave of the electroretinogram in isolated frog retina. Urban PF, et al. **Biochem Soc Trans** 1981 Feb;9(1):107

Differential stimulation of uterine cells by nafoxidine and clomiphene: relationship between nuclear estrogen receptors and type II estrogen binding sites and cellular growth. Markaverich BM, et al. **Biol Reprod** 1981 Feb; 24(1):171–81

Wakefullness and reduced rapid eye movement sleep: studies with prolintane and pemoline. Nicholson AN, et al. **Br J Clin Pharmacol** 1980 Nov;10(5):465–72

A comparison of stereospecificity at central and peripheral 'muscarine-sensitive' acetylcholine receptors: observations with the enantiomeric forms of procyclidine and tricyclamol. Barlow RB, et al. **Br J Pharmacol** 1981 Feb; 72(2):277–80

Changes of electroretinogram and neurochemical aspects of GABAergic neurons of retina after intraocular injection of kainic acid in rats. Goto M, et al. **Brain Res** 1981 May 4;211(2):305–14

Benzodiazepines prevent kainate-induced loss of GABAergic and cholinergic neurons in the chick retina. Imperato A, et al. **Brain Res** 1981 May 25;213(1):205–10

The effect of kainic acid on cholinergic enzymes and receptors in the amygdala complex of the rat. McCaughran JA Jr, et al. **Brain Res** 1980 Oct 13;199(1):127–33

Evidence from lesion studies for epileptogenic and non-epileptogenic neurotoxic interactions between kainic acid and excitatory innervation. Nadler JV, et al. **Brain Res** 1981 Feb 2;205(2):405–10

Systemic dipiperidinoethane mimics the convulsant and neurotoxic actions of kainic acid. Olney JW, et al. **Brain Res** 1980 Oct 27;200(1):231–5

Spontaneously recurrent seizures after intracerebral injections of kainic acid in rat: a possible model of human temporal lobe epilepsy. Pisa M, et al. **Brain Res** 1980 Nov 3;200(2):481–7

The effect of kainic acid on the hippocampal content of putative transmitter amino acids. Schmid R, et al. **Brain Res** 1980 Nov 3;200(2):355–62

Glutamic acid decarboxylase (GAD) activity in the rat substantia nigra after discrete bilateral kainic acid-induced lesions of the caudate-putamen and globus pallidus: correlation with locomotor activity. Al-Shabibi UM, et al. **Brain Res** 1981 Jun 1;213(2):460–6

Effect of kainic acid on striatal dopamine receptors. Weinreich P, et al. **Brain Res** 1980 Oct 6;198(2):491–6

Regional brain glucose utilization following intrastriatal injections of kainic acid. Wooten GF, et al. **Brain Res** 1980 Nov 10;201(1):173–84

Anatomical dead space and airway resistance after glycopyrrolate or atropine premedication. Gotta AW, et al. **Can Anaesth Soc J** 1981 Jan;28(1):51–4

Specific binding and biological response of antiestrogens in the fetal uterus of the guinea pig. Gulino A, et al. **Cancer Res** 1980 Oct;40(10):3821–6

Antitumor activities and estrogen receptor interactions of the metabolites of the antiestrogens C1628 and U23,469 in the 7,12-dimethylbenz(a)anthracene-induced rat mammary tumor system. Rorke EA, et al. **Cancer Res** 1981 Apr;41(4):1257–62

Morphological studies on neuroglia. II. Response of glial cells to kainic acid-induced lesions. Murabe Y, et al. **Cell Tissue Res** 1981;216(3):569–80

Morphological studies on neuroglia. III. Macrophage response and 'microgliocytosis' in kainic acid-induced lesions. Murabe Y, et al. **Cell Tissue Res** 1981;218(1):75–86

Dependence of Balbiani ring puffing on protein synthesis. Diez JL, et al. **Chromosoma** 1980;81(2):263–9

Acute hypertension after the local injection of kainic acid into the nucleus tractus solitarii of rats. Talman WT, et al. **Circ Res** 1981 Feb;48(2):292–8

Development of muscarinic receptor binding in spinal cord cell cultures and its reduction by glutamic and kainic acids. Brookes N, et al. **Dev Neurosci** 1980;3(3):118–27

Evidence for biological action of the antiestrogens LY117018 and tamoxifen by different mechanisms. Black LJ, et al. **Endocrinology** 1981 Sep;109(3):987–9

The capacity of the antiestrogen CI-628 to activate the estrogen receptor in vitro. De Boer W, et al. **Endocrinology** 1981 Jan;108(1):206–12

Biological potency and uterine estrogen receptor interactions of the metabolites of the antiestrogens C1628 and U23,469. Hayes JR, et al. **Endocrinology** 1981 Jan;108(1):164–72

Estrogen receptor in rabbit ovaries and effects of antiestrogen on progesterone production. Holt JA, et al. **Endocrinology** 1981 Jun;108(6):2308–15

Nuclear estrogen receptor release from antiestrogen suppression: amplified induction of progesterone receptor in MCF-7 human breast cancer cells. Horwitz KB, et al. **Endocrinology** 1981 May;108(5):1703–9

Estrogenic effects of nafoxidine on ovarian-dependent and independent mammary tumor lines in the mouse. Watson CS, et al. **Endocrinology** 1981 Feb;108(2):668–72

Effects of some antiepileptic drugs in pentetrazol-induced convulsions in mice lesioned with kainic acid. Czuczwar SJ, et al. **Epilepsia** 1981 Aug;22(4):407–14

Kainic acid lesions dissociate [3H] spiperone and [3H]cis-flupenthixol binding sites in rat striatum. Cross AJ, et al. **Eur J Pharmacol** 1981 May 8;71(2–3):327–32

Kainate lesion dissociates striatal dopamine receptor radioligand binding sites. Leff S, et al. **Eur J Pharmacol** 1981 Mar 5;70(1):71–5

Bepridil (CERM-1978) blockade of action potentials in cultured rat aortic smooth muscle cells. Mras S, et al. **Eur J Pharmacol** 1981 Apr 24;71(1):13–9

Cardiovascular actions of mixidine fumarate. Takeda K, et al. **Eur J Pharmacol** 1980 Nov 21;68(2):129–37

Alterations in local glucose consumption following systemic administration of kainic acid, bicuculline or metrazol. Ben-Ari Y, et al. **Eur Neurol** 1981;20(3):173–5

Effects of anisomycin on retention of the passive-avoidance habit as a function of age. Davis HP, et al. **Exp Aging Res** 1981 Spring;7(1):33–44

Kainic acid induces mitoses in mature retinal neurones in rats. Lessell S, et al. **Exp Eye Res** 1980 Jun;30(6):731–8

Hippocampal involvement in the pharmacologic induction of withdrawal-like behaviors. Isaacson RL, et al. **Fed Proc** 1981 Apr;40(5):1508–12

Kainic acid: an evaluation of its action on cochlear potentials. Bledsoe SC Jr, et al. **Hear Res** 1981 Mar;4(1):109–20

Antiestrogens: effects of tamoxifen, nafoxidine, and CI-628 on sexual behavior, cytoplasmic receptors, and nuclear binding of estrogen. Etgen AM. **Horm Behav** 1979 Oct; 13(2):97–112

The effect of inhibitors of protein and RNA synthesis on 1 alpha,25-dihydroxyvitamin D3-dependent calcium uptake in cultured embryonic chick duodenum. Franceschi RT, et al. **J Biol Chem** 1981 Apr 25;256(8):3848–52

Bepridil blockade of Ca2+-dependent action potentials in vascular smooth muscle of dog coronary artery. Harder DR, et al. **J Cardiovasc Pharmacol** 1981 Jul–Aug; 3(4):906–14

Supraventricular antidysrhythmic and electrophysiological effects of bepridil, a new antianginal agent. Winslow E, et al. **J Cardiovasc Pharmacol** 1981 Jul–Aug;3(4):655–67

Inhibition of lordosis in rats by the antiestrogen CI-628 in the absence of progesterone. Landau IT. **J Comp Physiol Psychol** 1981 Apr;95(2):270–7

Involvement of lysosomal enzymes in mouse embryo implantation: effect of the anti-oestrogen, CI-628 citrate. Paria BC, et al. **J Endocrinol** 1981 Jul;90(1):83–8

Potential thyroliberin affinity labels. 1. Chloroacetyl-substituted phenylalanylpyrrolidines. Goebel RJ, et al. **J Med Chem** 1981 Apr;24(4):366–70

Noncompetitive amine uptake inhibition by the new antidepressant pridefine. DeMet EM, et al. **J Neurochem** 1981 Mar;36(3):917–23

Light-stimulated release of taurine from retinas of kainic acid–treated chicks. Pasantes-Morales H, et al. **J Neurochem** 1981 Apr;36(4):1583–6

The effects of kainic acid injections on guanylate cyclase activity in the rat caudatoputamen, nucleus accumbens and septum. Walaas I. **J Neurochem** 1981 Jan;36(1):233–41

Localization of kainic acid–sensitive cells in mammalian retina. Hampton CK, et al. **J Neurosci Res** 1981;6(1):99–111

Atropine reversal of kainic acid–induced decrease in the leptazol convulsive threshold. Czuczwar SJ, et al. **J Pharm Pharmacol** 1981 Jan;33(1):44–5

Kainic acid lesions of striatum and decortication reduce specific [3H]sulpiride binding in rats, so D-2 receptors exist post-synaptically on corticostriate afferents and striatal neurons. Theodorou A, et al. **J Pharm Pharmacol** 1981 Jul; 33(7):439–44

Intrastriatal kainic acid: acute effects on electrophysiological and biochemical measures of nigrostriatal dopaminergic activity. Braszko JJ, et al. **J Pharmacol Exp Ther** 1981 Feb; 216(2):289–93

Comparison of the effects of atropine and glycopyrrolate on various end-organs. Mirakhur RK, et al. **J R Soc Med** 1980 Oct;73(10):727–30

Effect of an anti-oestrogen on implantation of mouse blastocysts. Sengupta J, et al. **J Reprod Fertil** 1981 Jul; 62(2):433–6

Effect of an oestrogen antagonist on implantation and uterine leucylnaphthylamidase activity in the ovariectomized hamster. Sengupta J, et al. **J Reprod Fertil** 1981 Jul; 62(2):437–40

The effect of clomid and other triphenylethylene derivatives during pregnancy and the neonatal period. Clark JH, et al. **J Steroid Biochem** 1980 Jan;12:47–53

Cerebral metabolic response to systemic kainic acid: 14-C-deoxyglucose studies. Collins RC, et al. **Life Sci** 1980 Sep 8;27(10):855–62

Kainic acid lesion of mouse striatum: effects on energy metabolites. Retz KC, et al. **Life Sci** 1980 Dec 22–29; 27(25–26):2495–500

Kainate-like neurotoxicity of folates. Olney JW, et al. **Nature** 1981 Jul 9;292(5819):165–7

Kainic acid–induced wet dog shakes in rats. The relation to central neurotransmitters. Kleinrok Z, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Oct; 314(1):37–46

Cholinergic actions of false neurotransmitters: acetylpyrrolidinecholine. Buccafusco JJ, et al. **Neurosci Lett** 1981 May 29;23(3):319–24

Kainic acid stimulation of cerebellar cyclic GMP levels: potentiation by glutamate and related amino acids. Foster GA, et al. **Neurosci Lett** 1981 Apr 9;23(1):67–70

Lactones derived from kainic acid: novel selective antagonists of amino acid–induced Na+ fluxes in rat striatum slices. Goldberg O, et al. **Neurosci Lett** 1981 May 6;23(2):187–91

Kainic acid affects both plexiform layers of chicken retina. Morgan IG, et al. **Neurosci Lett** 1981 Feb 6;21(3):275–80

Electrographic, clinical and pathological alterations following systemic administration of kainic acid, bicuculline or pentetrazole: metabolic mapping using the deoxyglucose method with special reference to the pathology of epilepsy. Ben-Ari Y, et al. **Neuroscience** 1981; 6(7):1361–91

A microiontophoretic study of the action of kainic acid and putative neurotransmitters in the rat mesencephalic trigeminal nucleus. De Montigny C, et al. **Neuroscience** 1980;5(9):1621–8

Functional and morphological consequences of kainic acid microinjections into a pontine respiratory area of the cat. Denavit-Saubié M, et al. **Neuroscience** 1980;5(9):1609–20

The role of the substantia nigra in a striatally-evoked motor response in the rat: effects of intranigral drugs and lesions. Lee LA, et al. **Neuroscience** 1981;6(3):359–66

Effect of kainic acid on ultrastructure and gamma-aminobutyrate-related circuits in the optic tectum of the goldfish. Villani L, et al. **Neuroscience** 1981; 6(7):1393–403

Use of glycopyrrolate in the parturient: effect on the maternal and fetal heart and uterine activity. Abboud TK, et al. **Obstet Gynecol** 1981 Feb;57(2):224–7

Receptivity, rejection and reactivity in female rats following kainic acid and electrolytic septal lesions. Gorzalka BB, et al. **Physiol Behav** 1981 Jan;26(1):39–44

Behavioral and biochemical effects of intraventricular kainic acid. Byrska B, et al. **Pol J Pharmacol Pharm** 1980 Jul–Aug; 32(4):531–8

The locomotor and exploratory activities in rats after lesion of hippocampal pyramidal cells with kainic acid. Kleinrok Z, et al. **Pol J Pharmacol Pharm** 1980;32(5):625–37

Specificity of synaptic growth in brain: remodeling induced by kainic acid lesions. Cotman CW. **Prog Brain Res** 1979; 51:203–15

Effects of kainic acid on body temperature of rats: role of catecholaminergic and serotonergic systems. Turski L, et al. **Psychopharmacology (Berlin)** 1980;71(1):35–9

Effects of morphine and nalorphine on kainic acid–induced hypothermia in rats. Turski L, et al. **Psychopharmacology (Berlin)** 1981;72(2):211–4

Effect of inhaled H1 and H2 receptor antagonist in normal and asthmatic subjects. Thomson NC, et al. **Thorax** 1980 Jun;35(6):428–34

Urodynamic effects of oral benzilonium bromide in healthy subjects. Nyman CR. **Urol Int** 1981;36(1):67–72

Urodynamic effects of intravenous benzilonium bromide in healthy subjects. Nyman CR. **Urol Int** 1980;35(5):363–8

[Electrocardiographic changes induced by bepridil. A new calcium inhibitor] Desoutter P, et al. **Arch Mal Coeur** 1980 Oct;73(10):1237–8 **(Fre)**

[Bepridil: hemodynamic and coronary effects on normal and/or ischemic myocardium in dogs (author's transl)] Berdeaux A, et al. **J Pharmacol** 1980 Oct–Dec; 11(4):391–409 (Eng. Abstr.) **(Fre)**

[A new antianginal drug, bepridil: efficacy estimation by exertion test during a double blind test against a placebo (author's transl)] Canicave JC, et al. **Therapie** 1980 Sep–Oct;35(5):607–12 (Eng. Abstr.) **(Fre)**

[Study of intestinal transit with radio-opaque markers] Benvestito V, et al. **Minerva Dietol Gastroenterol** 1981 Jan–Mar;27(1):77–92 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

Thiopental–nitrous oxide– halothane anesthesia and repeated succinylcholine: comparison of preoperative glycopyrrolate and atropine administration. Sørensen O, et al. **Anesth Analg (Cleve)** 1980 Sep;59(9):686–9

Comparison of safety and efficacy of buflomedil and naftidrofuryl in the treatment of intermittent claudication. Rosas G, et al. **Angiology** 1981 May;32(5):291–7

Ulcer healing and serum pepsinogen I in cimetidine and glycopyrrolate treated duodenal ulcer patients. Pikkarainen P, et al. **Ann Clin Res** 1981 Apr;13(2):81–4

Bronchodilator effects of clemastine, ipratropium, bromide, and salbutamol in preschool children with asthma. Groggins RC, et al. **Arch Dis Child** 1981 May;56(5):342–4

The beneficial actions of bepridil in acute myocardial infarction in anaesthetized dogs. Marshall RJ, et al. **Br J Pharmacol** 1981 Jun;73(2):471–9

A comparison between the efficacy of ketotifen and clemastine in children. Hloušková Z, et al. **J Int Med Res** 1980;8(6):408–12

Suppression of fever in rabbits by a protein synthesis inhibitor, anisomycin. Cranston WI, et al. **J Physiol (Lond)** 1980 Aug;305:337–44

Therapeutic observations with Tavegyl. Pólay A. **Ther Hung** 1980;28(2):82–6

Effect of an inhaled antihistamine on exercise-induced asthma. Hartley JP, et al. **Thorax** 1980 Sep;35(9):675–9

[Use of buflomedil hydrochloride in ocular pathology] Campinchi R, et al. **Bull Soc Ophtalmol Fr** 1981 Apr–May; 81(4–5):413–4 (Eng. Abstr.) **(Fre)**

[Clinical confirmation of the value of prifinium bromide in intestinal pathology] Ljunggren B. **Med Chir Dig** 1981; 10(3):273–5 **(Fre)**

[Clinical trial of a new synthetic spasmolytic agent in obstetrics] Arangio L, et al. **Clin Ter** 1980 Nov 30; 95(4):377–92 (Eng. Abstr.) **(Ita)**

[Effects of prifinium bromide in urologic patients] Lotti C, et al. **Clin Ter** 1980 Nov 30;95(4):399–403 (Eng. Abstr.) **(Ita)**

[Use of prifinium bromide in colonoscopy] Moschetta R, et al. **Clin Ter** 1980 Nov 30;95(4):393–7 (Eng. Abstr.) **(Ita)**

[Clinical evaluation of the use of prifinium bromide in urologic patients] Della Grazia M. **G Clin Med** 1979 Oct; 60(10):843–9 (Eng. Abstr.) **(Ita)**

[Action of prifinium bromide on the irritable colon] Meduri B, et al. **Minerva Dietol Gastroenterol** 1981 Jan–Mar; 27(1):17–9 (Eng. Abstr.) **(Ita)**

[Antihistaminics and cough] Nosál'ová G, et al. **Cesk Fysiol** 1981 May;30(3):273–5 **(Slo)**

TOXICITY

Epilepsy: changes in local glucose consumption and brain pathology produced by kainic acid. Ben-Ari Y. **Adv Biochem Psychopharmacol** 1981;27:385–94

Neuronal receptor sites for kainic acid: correlations with neurotoxicity. Coyle JT, et al. **Adv Biochem Psychopharmacol** 1981;27:337–46 (26 ref.)

Effect of barbiturates and benzodiazepines on local kainate toxicity in the striatum and in the retina. Di Chiara G, et al. **Adv Biochem Psychopharmacol** 1981;27:355–73

Role of excitatory pathways in the hippocampal damage produced by kainic acid. Nadler JV. **Adv Biochem Psychopharmacol** 1981;27:395–402 (28 ref.)

Kainate effects in cerebellar cultures. Seil FJ, et al. **Adv Biochem Psychopharmacol** 1981;27:347–54

Delayed-alternation performance after kainic acid lesions of the thalamic mediodorsal nucleus and the ventral tegmental area in the rat. Kessler J, et al. **Behav Brain Res** 1981 Jul; 3(1):125–30

Effect of kainic acid lesions on muscarinic agonist receptor subtypes in rat striatum. Briggs RS, et al. **Brain Res** 1981 Feb 16;206(2):451–6

Kainic acid–induced lesion of rat retina: differential effect on cyclic GMP and benzodiazepine and GABA receptors. Guarneri P, et al. **Brain Res** 1981 Mar 23;209(1):216–20

Glycolysis in rat neostriatal slices following kainic acid injections. Noda Y, et al. **Brain Res** 1981 Jun 15; 214(2):451–4

GABA benzodiazepine and histamine-H1 receptors in the guinea pig cerebellum: effects of kainic acid injections studied by autoradiographic methods. Palacios JM, et al. **Brain Res** 1981 Jun 9;214(1):155–62

Selective effects of kainic acid on diencephalic neurons. Peterson GM, et al. **Brain Res** 1980 Nov 24;202(1):165–82

Necrotizing effects of kainic acid on neurons in the pigeon brain: histological observations. Rieke GK, et al. **Brain Res** 1981 May 18;212(2):411–23

Ethanol, baclofen, and kainic acid neurotoxicity. McGeer EG, et al. **Exp Neurol** 1980 Aug;69(2):359–64

Fate of the hippocampal mossy fiber projection after destruction of its postsynaptic targets with intraventricular kainic acid. Nadler JV, et al. **J Comp Neurol** 1981 Mar 10;196(4):549–69

Kainic acid neurotoxicity and seizures. Zaczek R, et al. **Neuropharmacology** 1981 Feb;20(2):183–9

Effects of neuronal activity on kainic acid neurotoxicity in the ventral cochlear nucleus. Mattox DE, et al. **Neurosci Lett** 1980 Nov;20(2):153–7

Retinal benzodiazepine receptors are destroyed by kainic acid lesions. Willow M, et al. **Neurosci Lett** 1980 Nov; 20(2):147–52

Kainic acid toxicity and binding in the optic tectum. Henke H, et al. **Prog Brain Res** 1979;51:497–503

The use of spinal cord cell cultures in the study of neurotoxicological agents. Goldberg AM, et al. **Toxicology** 1980;17(2):233–5

[Toxicological characteristics of a new collagen-based pyromecaine ointment] Konobevtsev OF, et al. **Stomatologiia (Mosk)** 1980 Sep–Oct;59(5):27–9 (Eng. Abstr.) **(Rus)**

PYRROLIDINOMETHYLTETRACYCLINE see **ROLITETRACYCLINE**

PYRROLIDINONES

[Potential of osteosynthesis using resorbable polymeric pins] Rutskiĭ VV, et al. **Ortop Travmatol Protez** 1980 Sep; (9):23–5 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Clinical response to choline plus piracetam in senile dementia: relation to red-cell choline level [letter] Friedman E, et al. **N Engl J Med** 1981 Jun 11;304(24):1490–1

[Use of piracetam (nootropil) on alcoholism patients under ambulatory control of withdrawal manifestations] Entin GM. **Sov Med** 1981;(5):109–11 **(Rus)**

[Therapeutic action of a combination of vincamine and piracetam in peripheral labyrinthine syndromes with a vascular component] Jiménez-Cervantes Nicolás JA, et al. **An Otorrinolaringol Ibero Am** 1981;8(2):131–60 (Eng. Abstr.) **(Spa)**

ANALYSIS

Rapid gas–liquid chromatographic determination of cotinine in biological fluids. Feyerabend C, et al. **Analyst** 1980 Oct; 105(1255):998–1001

Improved gas chromatographic method for the determination of nicotine and cotinine in biologic fluids. Jacob P 3d, et al. **J Chromatogr** 1981 Jan 2;222(1):61–70

BLOOD

Studies of amino acid content and transport in glutathione-deficient erythrocytes from a patient with pyroglutamic acidemia (5-oxoprolinemia). Marstein S, et al. **Clin Chim Acta** 1981 Jan 8;109(1):13–20

Biochemical investigations of biopsied brain tissue and autopsied organs from a patient with pyroglutamic acidemia (5-oxoprolinemia). Marstein S, et al. **Clin Chim Acta** 1981 Apr 9;111(2–3):219–28

Plasma nicotine and cotinine concentrations in habitual smokeless tobacco users. Gritz ER, et al. **Clin Pharmacol Ther** 1981 Aug;30(2):201–9

Simultaneous determination of nicotine and cotinine in human plasma by nitrogen detection gas–liquid chromatography. Kogan MJ, et al. **J Forensic Sci** 1981 Jan;26(1):6–11

CHEMICAL SYNTHESIS

Synthesis and mass spectrometric investigations of metabolites of N-(5-pyrrolidino-pent-3-ynyl)succinimide (BL 14). Hallström G, et al. **Acta Pharm Suec** 1980; 17(1):31–54

N-aminoalkylsuccinimides as local anaesthetics. II. 1,2,3,4-Tetrahydronaphthalene-1-spiro-3'-pyrrolidine-2', substituted in the aromatic nucleus. Sandberg R, et al. **Acta Pharm Suec** 1980;17(4):169–76

Structure-activity relationships in tetramic acids and their copper (II) complexes. Matsuo K, et al. **Chem Pharm Bull (Tokyo)** 1980 Aug;28(8):2494–502

Synthesis and angiotensin-converting enzyme inhibitory activity of 3-(Mercaptomethyl)-2-oxo-1-pyrrolidineacetic acids and 3-(Mercaptomethyl)-2-oxo-1-piperidineacetic acids. Klutchko S, et al. **J Med Chem** 1981 Jan;24(1):104–9

New antiarrhythmic agents. 4. 1'-(Aminoalkyl)-1,2,3,4-tetrahydronaphthalene-1-spiro-3' derivatives. Tenthorey PA, et al. **J Med Chem** 1981 Jan; 24(1):47–53

METABOLISM

delta'-Pyrroline: an intermediary metabolite in the

conversion of putrescine to 2-pyrrolidone. Lundgren DW, et al. **Biochem Biophys Res Commun** 1980 Nov 28; 97(2):667–72

Applications of deuterium labeling in the study of the in vitro conversion of delta 1-pyrroline to 4-aminobutanoic acid and 2-pyrrolidinone. Callery PS, et al. **Biomed Mass Spectrom** 1980 Nov;7(11–12):525–8

In vivo kinetics of pyrrolidonecarboxylic acid formation in selected silkmoth chorion proteins. Regier JC, et al. **J Biol Chem** 1981 Jun 25;256(12):6444–51

[Pharmacokinetic effects of the preparation pyramem on experimental animals] Ognianova V, et al. **Eksp Med Morfol** 1980;19(4):196–201 (Eng. Abstr.) **(Bul)**

PHARMACODYNAMICS

Influence of piracetam and etiracetam compared to placebo, on rCBF and parameters of brain metabolism. Van Aken J, et al. **Acta Anaesthesiol Belg** 1980;31 Suppl:21–8

N-aminoalkylsuccinimides as local anaesthetics. III. 1,2,3,4-Tetrahydronaphthalene-2-, indane-1-, and indane-2-spiro-3'-pyrrolidine-2'-5'-diones. Sandberg R, et al. **Acta Pharm Suec** 1980;17(4):177–82

Influence of dihydroergotoxine and piracetam on creatine kinase activity in contusioned spinal cord. Atanacković D, et al. **Arch Int Pharmacodyn Ther** 1981 Apr;250(2):266–72

Piracetam and fish orientation during parabolic aircraft flight. Hoffman RB, et al. **Aviat Space Environ Med** 1980 Jun; 51(6):568–76

Effect of piracetam on sickle erythrocytes and sickle hemoglobin. Asakura T, et al. **Biochim Biophys Acta** 1981 May 29;668(3):397–405

In vivo voltammetric investigations into the action of HA-966 on central dopaminergic neurons. Mos J, et al. **Brain Res** 1981 Mar 2;207(2):465–70

Effect of piracetam, a cyclic GABA analogue, on haloperidol-induced catalepsy in the rat. Balsara JJ, et al. **Indian J Physiol Pharmacol** 1980 Jul–Sep;24(3):227–32

Effects of pyridoxine-pyrrolidon-carboxylate on hepatic and cerebral ATP levels in ethanol treated rats. Felicioli R, et al. **Int J Clin Pharmacol Ther Toxicol** 1980 Jun; 18(6):277–80

Piracetam activity may differ according to the age of the recipient mouse. Valzelli L, et al. **Int Pharmacopsychiatry** 1980;15(3):150–6

Alterations of the fetal EEG under the influence of labour, hypoxia and analgetics. Klink F, et al. **J Perinat Med** 1981; 9 Suppl 1:131–2

Demonstration of the antimyoclonic effect of 1-hydroxy-3-amino-pyrrolidone-2 (HA-966) using a new animal model. Menon MK. **Life Sci** 1981 Jun 22; 28(25):2865–8

Piracetam diminishes hippocampal acetylcholine levels in rats. Wurtman RJ, et al. **Life Sci** 1981 Mar 9;28(10):1091–3

Simultaneous investigation of the cerebral circulation and cortical bioelectrical activity in dogs under the influence of piracetam. Nikolova M, et al. **Methods Find Exp Clin Pharmacol** 1979 Jun;1(2):97–104

Effect of piracetam on EEG spectra of boys with learning disorders. Volavka J, et al. **Psychopharmacology (Berlin)** 1981;72(2):185–8

[Changes in the adaptation behavior in old age through piracetam intake (author's transl)] Pusch HJ, et al. **Aktuel Gerontol** 1980 Oct;10(10):457–62 (Eng. Abstr.) **(Ger)**

[Tranquilizing effect of n-dipropylacetate and other GABA-ergic substances in conflict situations] Kharlamov AN, et al. **Biull Eksp Biol Med** 1980 JUL;89(7):35–7 (Eng. Abstr.) **(Rus)**

[Effect of certain GABA-ergic substances on dopamine metabolism in the rat brain] Malikova LA, et al. **Farmakol Toksikol** 1981 Jan–Feb;44(1):37–40 (Eng. Abstr.) **(Rus)**

[Effect of certain pharamcologic preparations and different lighting setups on human work capacity] Bogatova RI, et al. **Kosm Biol Aviakosm Med** 1981 Jan–Feb;15(1):92–3 **(Rus)**

THERAPEUTIC USE

The efficacy of piracetam in vertigo. A double-blind study in patients with vertigo of central origin. Oosterveld WJ. **Arzneimittelforsch** 1980;30(11):1947–9

Therapeutic contribution of pyrodoxine pyrrolidinecarboxylate. (Notes on antiseborrheic treatment). Ghittoni S, et al. **Ital Gen Rev Dermatol** 1978 Jan–Apr;15(1):39–61

A double blind trial of piracetam (UCB 6215) and placebo in cases of post-ECT cognitive deficiency. Bagadia VN, et al. **J Postgrad Med** 1980 Apr;26(2):116–20

A double-blind, placebo-controlled study of piracetam in elderly psychiatric patients [proceedings] Chouinard G, et al. **Psychopharmacol Bull** 1981 Jan;17(1):129

[Management of neuroleptic side-effects with piracetam (author's transl)] Sikora J, et al. **Cesk Psychiatr** 1981 Apr; 77(2):137–42 (Eng. Abstr.) **(Cze)**

[Therapeutic effects of Nootropyl] Houillon P, et al. **Ann Med Psychol (Paris)** 1980 Jul–Sep;138(7):869–76 **(Fre)**

[6 years of piracetam use--literature review and personal experience] Suchenwirth RM. **Med Monatsschr Pharm** 1980 Feb;3(2):53–5 **(Ger)**

[Antiparkinson medication: increasing effectiveness with piracetam] Finke J. **ZFA (Stuttgart)** 1980 Jun 20; 56(17):1213–6 **(Ger)**

[Use of piracetam (nootropil) in the rehabilitative treatment of the middle-aged and elderly who have had a stroke] Man'kovskiĭ NB, et al. **Vrach Delo** 1980 Sep;(9):73–7 (Eng. Abstr.) **(Rus)**

URINE

5-oxoprolinuria due to hereditary 5-oxoprolinase deficiency in two brothers--a new inborn error of the gamma-glutamyl cycle. Larsson A, et al. **Acta Paediatr Scand** 1981;70(3):301–8

Pyroglutamic aciduria (5-oxoprolinuria) without glutathione synthetase deficiency and with decreased pyroglutamate hydrolase activity. Roesel RA, et al. **J Inherited Metab Dis** 1981;4(2):89–90

PYRROLIDONECARBOXYLIC ACID see under **PYRROLIDINONES**

PYRROLIDONES see **PYRROLIDINONES**

PYRROLINE CARBOXYLATE REDUCTASES see under **AMINE OXIDOREDUCTASES**

PYRROLIZIDINE ALKALOIDS

Development of Crotalaria pulmonary hypertension: hemodynamic and structural study. Meyrick B, et al. **Am J Physiol** 1980 Nov;239(5):H692–702

Experimental study on monocrotaline induced pulmonary hypertensive rats. (1) Effect of long-term injection of immunosuppressant. Tanabe T, et al. **Tokai J Exp Clin Med** 1981 Jan;6(1):41–8

[Pathophysiological study on monocrotaline-induced pulmonary hypertension in rats (author's transl] Kido M. **Fukuoka Igaku Zasshi** 1981 Mar;72(3):117–30 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Direct quantitative analysis of indicine-N-oxide in cancer patient samples by gas chromatography using the internal standard heliotrine-N-oxide including a mass spectral comparison of their trimethylsilyl derivatives. Evans JV, et al. **Biomed Mass Spectrom** 1980 Feb;7(2):65–73

Pyrrolizidine alkaloids of Senecio alpinus L. and their detection in feedingstuffs. Lüthy J, et al. **J Agric Food Chem** 1981 Mar–Apr;29(2):302–5

ANTAGONISTS & INHIBITORS

Protective effects of butylated hydroxyanisole against the acute toxicity of monocrotaline in mice. Miranda CL, et al. **Toxicol Appl Pharmacol** 1981 Jul;59(3):424–30

BLOOD

Quantitation of the antineoplastic agent indicine-N-oxide in human plasma by differential pulse polarography. McComish M, et al. **J Pharm Sci** 1980 Jun;69(6):727–9

N-Oxide reduction by hemoglobin, cytochrome C and ferrous ions. Powis G, et al. **Res Commun Chem Pathol Pharmacol** 1980 Oct; 30(1):143–50

ISOLATION & PURIFICATION

Plant sources of hepatotoxic pyrrolizidine alkaloids. Smith LW, et al. **J Nat Prod** 1981 Mar–Apr;44(2):129–52 (436 ref.)

[The isolation of antitumor active principle of Crotalaria sessiliflora and synthesis of its derivatives (author's transl)] Huang L, et al. **Yao Hsueh Hsueh Pao** 1980;15(5):278–83 (Eng. Abstr.) **(Chi)**

METABOLISM

Absorption, distribution and excretion of N-4-phenyl-phenacyl-heliotridanium bromide. Zutshi U, et al. **Arzneimittelforsch** 1981;31(1):44–6

Relation of structural features to pyrrolic metabolites in livers of rats given pyrrolizidine alkaloids and derivatives. Mattocks AR. **Chem Biol Interact** 1981 Jun;35(3):301–10

PHARMACODYNAMICS

Effect of pyrrolizidine alkaloids from tansy ragwort (senecio jacobaea) on hepatic drug-metabolizing enzymes in male rats. Miranda CL, et al. **Biochem Pharmacol** 1980 Oct 1; 29(19):2645–9

Genotoxicity of pyrrolizidine alkaloids in the hepatocyte primary culture/DNA-repair test. Williams GM, et al. **Mutat Res** 1980 Sep;79(1):1–5

Comparative effects of the pyrrolizidine alkaloids jacobine and monocrotaline on hepatic drug metabolising enzymes in the rat. Miranda CL, et al. **Res Commun Chem Pathol Pharmacol** 1980 Sep; 29(3):573–87

Effects of the pyrrolizidine alkaloids senecionine, retrorsine and seneciphylline on aminopyrine N-demethylase activity on the rat liver S-10 fraction. Eastman DF, et al. **Toxicol Lett** 1981 Jun–Jul;8(4–5):217–22

POISONING

Changes in pulmonary structure and function induced by monocrotaline intoxication. Ghodsi F, et al. **Am J Physiol** 1981 Feb;240(2):H149–55

Herbal teas and toxins: novel aspects of pyrrolizidine poisoning in the United States. Huxtable RJ. **Perspect Biol Med** 1980 Autumn;24(1):1–14

THERAPEUTIC USE

Activity of indicine N-oxide in refractory acute leukemia. Letendre L, et al. **Cancer** 1981 Feb 1;47(3):437–41

Phase II trial of indicine N-oxide (INDI) in patients with advanced colorectal carcinoma. Nichols WC, et al. **Cancer Treat Rep** 1981 Mar–Apr;65(3–4):337–9

Indicine-N-oxide: a new antitumor agent. Poster DS, et al. **Cancer Treat Rep** 1981 Jan–Feb;65(1–2):53–6

Anticancer drug testing in vitro: use of an activating system with the human tumor stem cell assay. Lieber MM, et al. **Life Sci** 1981 Jan 19;28(3):287–93

TOXICITY

Effect of pyrrolizidine alkaloid-induced hepatic disease on plasma amino acid patterns in the horse. Gulick BA, et al. **Am J Vet Res** 1980 Nov;41(11):1894–8

Senecio lautus toxicity in cattle. Walker KH, et al. **Aust Vet J** 1981 Jan;57(1):1–7

CArcinogenic activity of clivorine, a pyrrolizidine alkaloid isolated from Ligularia dentata. Kuhara K, et al. **Cancer Lett** 1980 Aug;10(2):117–22

Comparison of the toxic effects of dehydroheliotridine and heliotrine in pregnant rats and their embryos. Peterson JE, et al. **J Pathol** 1980 Aug;131(4):339–55

Toxic pyrrolizidine alkaloids in comfrey [letter] Mattocks AR. **Lancet** 1980 Nov 22;2(8204):1136–7

Comfrey and liver damage [letter] Roitman JN. **Lancet** 1981 Apr 25;1(8226):944

Toxicity of Senecio jacobaea (tansy ragwort) in rats. Miranda CL, et al. **Toxicol Appl Pharmacol** 1980 Dec;56(3):432–42

PYRROLNITRIN see under **ANTIBIOTICS, ANTIFUNGAL**

PYRROVINYQUINIUM see **PYRVINIUM COMPOUNDS**

PYRUVALDEHYDE see under **ALDEHYDES**

PYRUVATE CARBOXYLASE

Further electron microscope studies on pyruvate carboxylase. Mayer F, et al. **Eur J Biochem** 1980 Nov;112(2):265–72

ANALYSIS

Pyruvate carboxylase activity in amniotic fluid cells [letter] Hansen TL, et al. **Pediatr Res** 1980 Dec;14(12):1412–3

BLOOD

Biotin status, blood pyruvate carboxylase (EC 6.4.1.1) activity and performance in broilers under different conditions of bird husbandry and diet processing. Whitehead CC, et al. **Br J Nutr** 1980 May;43(3):541–9

Blood pyruvate carboxylase activity as a criterion of biotin status in young pigs. Whitehead CC, et al. **Res Vet Sci** 1980 Jul;29(1):126–8

DEFICIENCY

Evidence for two genetic complementation groups in pyruvate carboxylase-deficient human fibroblast cell lines. Feldman GL, et al. **Biochem Genet** 1980 Jun;18(5–6):617–24

Lactic acidosis due to pyruvate carboxylase deficiency. Haworth JC, et al. **J Inherited Metab Dis** 1981;4(2):57–8

Two forms of biotin-responsive multiple carboxylase deficiency. Sweetman L. **J Inherited Metab Dis** 1981; 4(2):53–4

Antenatal diagnosis of pyruvate-carboxylase deficiency [letter] Marsac C, et al. **Lancet** 1981 Mar 21;1(8221):675

Biotin-responsive carboxylase deficiency associated with subnormal plasma and urinary biotin. Thoene J, et al. **N Engl J Med** 1981 Apr 2;304(14):817–20

The genetic heterogeneity of lactic acidosis: occurrence of recognizable inborn errors of metabolism in pediatric population with lactic acidosis. Robinson BH, et al. **Pediatr Res** 1980 Aug;14(8):956–62

Multiple carboxylase deficiency: clinical and biochemical improvement following neonatal biotin treatment. Wolf B, et al. **Pediatrics** 1981 Jul;68(1):113–8

METABOLISM

Pyruvate carboxylase activities in red blood cells and liver of chicks and their dependency on biotin status. First results with activation assays.. Glatzle D, et al. **Acta Vitaminol Enzymol** 1979;1(1–6):19–31

Effect of streptozotocin-induced diabetes mellitus on the turnover of rat liver pyruvate carboxylase and pyruvate dehydrogenase. Weinberg MB, et al. **Biochem J** 1980 Jun 15;188(3):601–8

Acute postnatal regulation of pyruvate carboxylase activity by compartmentation of mitochondrial adenine nucleotides. Aprille JR, et al. **Biochim Biophys Acta** 1981 Jun 11; 675(1):143–7

Pyruvate carboxylase and propionyl-CoA carboxylase as anaplerotic enzymes in skeletal muscle mitochondria. Davis EJ, et al. **Eur J Biochem** 1980 Sep;110(1):255–62

Is pyruvate carboxylase involved in the renal tubular reabsorption of bicarbonate? Buist NR. **J Inherited Metab Dis** 1980;3(4):113–6

PYRUVATE DECARBOXYLASE see under **CARBOXY-LYASES**

PYRUVATE DEHYDROGENASE COMPLEX

Bovine kidney pyruvate dehydrogenase complex. Limited proteolysis and molecular structure of the lipoate acetyltransferase component. Kresze GB, et al. **Eur J Biochem** 1980 Dec;112(3):589–99

Fluorescence polarization and energy-transfer studies on the pyruvate dehydrogenase complex of Escherichia coli. Scouten WH, et al. **Eur J Biochem** 1980 Nov;112(1):9–16

Detection in the ultracentrifuge of protein heterogeneity by computer modelling, illustrated by pyruvate dehydrogenase multienzyme complex. Gilbert GA, et al. **J Mol Biol** 1980 Dec 15;144(3):405–8

Mobility of polypeptide chain in the pyruvate dehydrogenase complex revealed by proton NMR. Perham RN, et al. **Nature** 1981 Jul 30;292(5822):474–7

ANALYSIS

Retraction: reduced enzyme activity in hereditary ataxia [letter] Kark RA, et al. **Ann Neurol** 1981 May;9(5):515

Plant pyruvate dehydrogenase complex: inactivation and reactivation by phosphorylation and dephosphorylation. Rao KP, et al. **Arch Biochem Biophys** 1980 Apr 1; 200(2):461–6

Evidence that a 41,000 dalton brain phosphoprotein is pyruvate dehydrogenase. Morgan DG, et al. **Biochem Biophys Res Commun** 1980 Jul 31;95(2):569–76

An NADH-linked spectrophotometric assay for pyruvate dehydrogenase complex in crude tissue homogenates. Hinman LM, et al. **J Biol Chem** 1981 Jul 10;256(13):6583–6

ANTAGONISTS & INHIBITORS

Fluoropyruvate: a potent inhibitor of the bacterial and the mammalian pyruvate dehydrogenase complex. Bisswanger H. **Biochem Biophys Res Commun** 1980 Jul 31;95(2):513–9

Inhibition of pyruvate dehydrogenase multienzyme complex from Escherichia coli with a bifunctional arsenoxide: selective inactivation of lipoamide dehydrogenase. Adamson SR, et al. **Biochemistry** 1981 Jun 9;20(12):3418–24

BLOOD

Normal pyruvate dehydrogenase complex activity in patients with Friedreich's ataxia. Constantopoulos G, et al. **Ann Neurol** 1980 Dec;8(6):636–9

Active pyruvate dehydrogenase in platelets from Friedreich's ataxia patients. Filla A, et al. **Can J Neurol Sci** 1980 Nov; 7(4):417–9

An improved method for the assay of platelet pyruvate dehydrogenase. Schofield PJ, et al. **Clin Chim Acta** 1980 Dec 8;108(2):219–27

DEFICIENCY

Isolation and properties of pyruvate dehydrogenase complex mutants of Pseudomonas aeruginosa PAO. Jeyaseelan K, et al. **J Gen Microbiol** 1980 Oct;120(Pt 2):385–92

Pyruvate dehydrogenase deficiency restricted to brain. Prick M, et al. **Neurology (NY)** 1981 Apr;31(4):398–404

The genetic heterogeneity of lactic acidosis: occurrence of recognizable inborn errors of metabolism in pediatric population with lactic acidosis. Robinson BH, et al. **Pediatr Res** 1980 Aug;14(8):956–62

[Familial partial pyruvic dehydrogenase deficiency (author's transl)] Kohns U, et al. **Klin Paediatr** 1980 Nov; 192(6):565–72 (Eng. Abstr.) **(Ger)**

GENETICS

Molecular cloning of the pyruvate dehydrogenase complex genes of Escherichia coli. Guest JR, et al. **J Gen Microbiol** 1980 Dec;121(Pt. 2):277–92

ISOLATION & PURIFICATION

Purificaton of the pyruvate dehydrogenase multienzyme complex of Bacillus stearothermophilus and resolution of its four component polypeptides. Henderson CE, et al. **Biochem J** 1980 Jul 1;189(1):161–72

Purification of 2-oxo acid dehydrogenase multienzyme complexes from ox heart by a new method. Stanley CJ, et al. **Biochem J** 1980 Oct 1;191(1):147–54

Pyruvate dehydrogenase component of the pyruvate dehydrogenase complex from Escherichia coli K12. Purification and characterization. Saumweber H, et al. **Eur J Biochem** 1981 Feb;114(2):407–11

Partial purification from rat adipocyte plasma membranes of a chemical mediator which simulates the action of insulin on pyruvate dehydrogenase. Kiechle FL, et al. **J Biol Chem** 1981 Mar 25;256(6):2945–51

The pyruvate dehydrogenase complex of Pseudomonas aeruginosa PAO Purification, properties and characterization of mutants. Jeyaseelan K, et al. **J Gen Microbiol** 1980 Oct;120(Pt 2):393–402

METABOLISM

Lipoate effect on alpha-ketoacid dehydrogenases from gastric mucosae. Chacín J, et al. **Acta Physiol Lat Am** 1978; 28(2–3):149–50

Phosphorylation-dephosphorylation of pyruvate dehydrogenase complex from pea leaf mitochondria. Randall DD, et al. **Arch Biochem Biophys** 1981 Apr 1; 207(2):437–44

Differences in the effect of insulin on the generation by adipocytes and IM-9 lymphocytes of a chemical mediator which simulates the action of insulin on pyruvate dehydrogenase. Jarett L, et al. **Biochem Biophys Res Commun** 1980 Sep 30;96(2):735–41

Parallel stimulation in adipocytes of the plasma membrane Ca2+-transport/(Ca2+ + Mg2+)-ATPase system and mitochondrial pyruvate dehydrogenase by a supernatant factor derived from isolated plasma membranes. McDonald JM, et al. **Biochem Biophys Res Commun** 1981 May 29; 100(2):857–64

Role of calcium ions in the regulation of intramitochondrial metabolism. Effects of Na+, Mg2+ and ruthenium red on the Ca2+-stimulated oxidation of oxoglutarate and on pyruvate dehydrogenase activity in intact rat heart mitochondria. Denton RM, et al. **Biochem J** 1980 Jul 15; 190(1):107–17

Studies on the incorporation of [32P]phosphate into pyruvate dehydrogenase in intact rat fat-cells. Effects of insulin. Hughes WA, et al. **Biochem J** 1980 Nov 15;192(2):469–81

Pyruvate dehydrogenase complex of ascites tumour. Activation by AMP and other properties of potential significance in metabolic regulation. Lazo PA, et al. **Biochem J** 1980 Sep 15;190(3):705–10

Effect of streptozotocin-induced diabetes mellitus on the turnover of rat liver pyruvate carboxylase and pyruvate dehydrogenase. Weinberg MB, et al. **Biochem J** 1980 Jun 15;188(3):601–8

Structure, function and an inherited defect of 2-oxo acid dehydrogenase multienzyme complexes. Koike M, et al. **Biochem Soc Trans** 1981 Feb;9(1):6–7

Elementary steps in the reaction mechanism of the pyruvate dehydrogenase multienzyme complex from Escherichia coli: kinetics of acetylation and deacetylation. Akiyama SK, et al. **Biochemistry** 1980 Sep 2;19(18):4208–13

Elementary steps in the reaction mechanism of pyruvate dehydrogenase multienzyme complex from Escherichia coli: kinetics of flavin reduction. Akiyama SK, et al. **Biochemistry** 1981 Mar 17;20(6):1491–7

Regulatory properties of the pyruvate dehydrogenase complex of Pseudomonas aeruginosa. Ghosh R, et al. **Biochim Biophys Acta** 1981 Apr 14;658(2):232–7

Interaction between the pyruvate dehydrogenase complex and citrate synthase. Sümegi B, et al. **Biochim Biophys Acta** 1980 Dec 4;616(2):158–66

Halothane anaesthesia can block insulin stimulation of pyruvate dehydrogenase activity in mammary glands of 24-hour starved lactating rats. Hutchinson CE, et al. **Br J Anaesth** 1980 Jun;52(6):573–6

Isolation from rat adipocytes of a chemical mediator for insulin activation of pyruvate dehydrogenase. Kiechle FL, et al. **Diabetes** 1980 Oct;29(10):852–5

Anti-insulin receptor antibodies mimic the effects of insulin on the activities of pyruvate dehydrogenase and acetylCoA carboxylase and on specific protein phosphorylation in rat epididymal fat cells. Belsham GJ, et al. **Diabetologia** 1980 Apr;18(4):307–12

Dihydrolipoamide dehydrogenase component of the pyruvate dehydrogenase complex from Escherichia coli K12. Comparative characterization of the free and the complex-bound component. Schmincke-Ott E, et al. **Eur J Biochem** 1981 Feb;114(2):413–20

Self-association of the pyruvate dehydrogenase complex from Azotobacter vinelandii in the presence of polyethylene glycol. Bosma HJ, et al. **FEBS Lett** 1980 Nov 3;120(2):179–82

Increased acetyl carnitine in rat skeletal muscle as a result of high-intensity short-duration exercise. Implications in the control of pyruvate dehydrogenase activity. Carter AL, et al. **FEBS Lett** 1981 Apr 6;126(1):21–4

On the role of the calcium transport cycle in heart and other mammalian mitochondria. Denton RM, et al. **FEBS Lett** 1980 Sep 22;119(1):1–8 (52 ref.)

Limited proteolysis of 2-oxoglutarate dehydrogenase multienzyme complex from bovine kidney. Kresze GB, et al. **FEBS Lett** 1981 May 5;127(1):157–60

Identification of an AMP-activatable pyruvate dehydrogenase isozyme in embryos and tumors. Lazo PA, et al. **FEBS Lett** 1980 Nov 3;120(2):287–8

Activation of the pyruvate dehydrogenase complex in isolated fat cell mitochondria by hydrogen peroxide and t-butyl hydroperoxide. Paetzke-Brunner I, et al. **FEBS Lett** 1980 Dec 15;122(1):29–32

Pyruvate dehydrogenase and the regulation of glucose metabolism in ruminant tissues. Robertson JP, et al. **FEBS Lett** 1980 Nov 3;120(2):192–4

Subunit structure of dihydrolipoamide acetyltransferase component of pyruvate dehydrogenase complex from bovine kidney. Machicao F, et al. **Hoppe Seylers Z Physiol Chem** 1980 Jul;361(7):1093–106

Short term regulation of mouse pyruvate dehydrogenase complex by insulin. Imura M, et al. **Horm Metab Res** 1981 May;13(5):267–72

Substrate specificity of the pyruvate dehydrogenase complex from Escherichia coli. Bisswanger H. **J Biol Chem** 1981 Jan 25;256(2):815–22

Subunit structure of dihydrolipoyl transacetylase component of pyruvate dehydrogenase complex from bovine heart. Bleile DM, et al. **J Biol Chem** 1981 Jan 10;256(1):514–9

Characterization of a pyruvate dehydrogenase activator released by adipocyte plasma membranes in response to insulin. Seals JR, et al. **J Biol Chem** 1981 Mar 25; 256(6):2894–9

Pyruvate dehydrogenase complex activity in normal and deficient fibroblasts. Sheu KF, et al. **J Clin Invest** 1981 May;67(5):1463–71

Effects of work and acidosis on pyruvate dehydrogenase activity in perfused rat hearts. Pearce FJ, et al. **J Mol Cell Cardiol** 1980 May;12(5):499–510 (36 ref.)

Phosphorylation-mediated changes in pyruvate dehydrogenase activity influence pyruvate-supported calcium accumulation by brain mitochondria. Browning M, et al. **J Neurochem** 1981 Jun;36(6):1932–40

Acetyl-CoA synthesizing enzymes in cholinergic nerve terminals. Sterri SH, et al. **J Neurochem** 1980 Jul; 35(1):249–54

Regional and subcellular distribution of ATP-citrate lyase and other enzymes of acetyl-CoA metabolism in rat brain. Szutowicz A, et al. **J Neurochem** 1980 Oct;35(4):775–85

Oxfenicine diverts rat muscle metabolism from fatty acid to carbohydrate oxidation and protects the ischaemic rat heart. Higgins AJ, et al. **Life Sci** 1980 Sep 15;27(11):963–70

[Chronic infantile lactate acidosis] Papanastasiou D, et al. **Helv Paediatr Acta** 1980 Jul;35(3):253–60 (Eng. Abstr.) **(Ger)**

[Characterization of the kinase activity of bovine adrenal pyruvate dehydrogenase complex] Strumilo SA, et al. **Biokhimiia** 1981 Jun;46(6):974–8 (Eng. Abstr.) **(Rus)**

[Steady-state kinetics of the bovine adrenal pyruvate dehydrogenase complex-catalyzed reactions] Strumilo SA, et al. **Biokhimiia** 1980 Aug;45(8):1365–70 (Eng. Abstr.) **(Rus)**

[Effect of vitamins on the activity of oxidoreductases in the heart during thyrotoxicosis] Pokotilenko GM, et al. **Vrach Delo** 1980 Nov;(11):94–6 (Eng. Abstr.) **(Rus)**

[Pyruvic dehydrogenase activity in growing nerve tissue] Capurro MT, et al. **Acta Physiol Lat Am** 1978;28(2–3):147–8 **(Spa)**

PYRUVATE DEHYDROGENASE PHOSPHATASE see under **PHOSPHOPROTEIN PHOSPHATASES**

PYRUVATE KINASE

Reversible solvent denaturation of rabbit muscle pyruvate kinase. Doster W, et al. **Biochemistry** 1981 Feb 17; 20(4):772–80

Amino acid sequence around the phosphorylated sites of porcine and rat liver pyruvate kinase, type L. Humble E. **Biochim Biophys Acta** 1980 Nov 20;626(1):179–87

Studies on the structure-function relationships of Neurospora crassa pyruvate kinase: refolding and reactivation following denaturation in guanidine hydrochloride. Kapoor M, et al. **Int J Biochem** 1981;13(1):71–81

Proton NMR studies of the histidine residues of rabbit muscle pyruvate kinase and of its phosphoenolpyruvate complex. Meshitsuka S, et al. **J Biol Chem** 1981 May 10;256(9):4460–5

ANALYSIS

Automated kinetic analysis of pyruvate kinase. Cochran RL, et al. **Anal Biochem** 1981 Jan 15;110(2):420–3

Purification and properties of mouse pyruvate kinases K and M and of a modified K subunit. Ibsen KH, et al. **Biochemistry** 1981 Mar 17;20(6):1497–506

[Pyruvate kinase as a marker of human brain tumors] van Veelen CW, et al. **Ned Tijdschr Geneeskd** 1980 Oct 4; 124(40):1678–85 (Eng. Abstr.) **(Dut)**

[Localization of pyruvate kinase M1 (ATP pyruvate phosphotransferase-2.7.1.40) in nervous tissue of the rat. Preliminary results] Gali P, et al. **C R Acad Sci [D] (Paris)** 1980 Jun 30;290(24):1533–6 (Eng. Abstr.) **(Fre)**

[Simplex optimization of a fluorometric determination of pyruvate kinase and phosphofructokinase activities of rabbit muscles using fluorescent adenine nucleotides] Zimmermann C, et al. **Z Med Lab Diagn** 1980;21(5):259–67 (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

1-Hydroxycyclopropane carboxylic acid phosphate: a potent inhibitor of enzymes metabolizing phosphoenolpyruvate. O'Leary MH, et al. **Biochem Biophys Res Commun** 1981 Jun 16;100(3):1320–5

An investigation into the apparent inhibition by arginine phosphate of the activity of Carcinus maenas type-M pyruvate kinase. Poat PC, et al. **Biochim Biophys Acta** 1980 Jun 13;613(2):410–9

The role of phosphorylation in the alpha-adrenergic-mediated inhibition of rat hepatic pyruvate kinase. Steiner KE, et al. **Biochim Biophys Acta** 1980 Oct 15;632(3):366–74

Mechanism of action of glucagon on hepatocyte

phosphofructokinase activity. Claus TH, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6501–5

BIOSYNTHESIS

Reduced induction of pyruvate kinase after feeding 2-acetylaminofluorene. Fischer W, et al. **Arch Toxicol [Suppl]** 1980;(4):81–2

Biosynthesis of rat liver pyruvate kinase. Measurement of enzyme lifetime and the rate of synthesis at weaning. Hopkirk TJ, et al. **Biochem J** 1980 Nov 15;192(2):507–16

Dietary alteration of translatable mRNA sequences coding for rat liver pyruvate kinase. Cladaras C, et al. **J Biol Chem** 1980 Dec 10;255(23):11499–503

BLOOD

Red cells of newborn rats have low bisphosphoglyceromutase and high pyruvate kinase activities in association with low 2,3-bisphosphoglycerate. Gilman JG. **Biochem Biophys Res Commun** 1981 Feb 27;98(4):1057–62

The rapid disappearance of muscle AMP aminohydrolase from blood plasma of normal and dystrophic chickens. Husic HD, et al. **Biochem Biophys Res Commun** 1980 Jul 16;95(1):228–35

Dephosphorylation and reactivation of phosphorylated pyruvate kinase by a cytosolic phosphoprotein phosphatase from human erythrocytes. Kiener PA, et al. **Biochem Biophys Res Commun** 1980 Sep 30;96(2):551–7

Specific spectrophotometric assay for the M isoenzymes of pyruvate kinase in plasma samples containing mixtures of the muscle (M) and liver (L) isoenzymes. Edwards RJ, et al. **Clin Chem** 1981 Jun;27(6):906–9

Phosphorylation of human erythrocyte pyruvate kinase by soluble cyclic-AMP-dependent protein kinases. Comparison with human liver L-type enzyme. Marie J, et al. **Eur J Biochem** 1980;108(1):251–60

The use of concomitant serum pyruvate-kinase (PK) and creatine-phosphokinase (CPK) for carrier detection in Duchenne's muscular dystrophy through discriminant analysis. Zatz M, et al. **J Neurol Sci** 1980 Sep;47(3):411–7

Pyruvate kinase activity in the lymphocytes of malnourished, anergic patients. Wren SF, et al. **J Surg Res** 1980 Sep; 29(3):203–8

Studies on the mechanism of the erythrocyte enzyme abnormalities induced by chemotherapy. Etiemble J, et al. **Scand J Haematol** 1980 Nov;25(5):394–400

[Identification of pyruvate kinase variants from red blood cells using trypsinization and electrophoresis] Tzanev D, et al. **Acta Biol Med Ger** 1980;39(7):745–61 (Eng. Abstr.) **(Ger)**

[Evaluation of serum pyruvate kinase in patients with Duchenne's muscular dystrophy and carriers. Comparison with other enzyme determinations] Calandi C, et al. **Minerva Pediatr** 1981 May 31;33(10):453–64 (Eng. Abstr.) **(Ita)**

[Clinical significance of determining plasma pyruvate kinase (PK) activity in acute myocardial infarction (author's transl)] Fukui S, et al. **Nippon Naika Gakkai Zasshi** 1980 Oct 10;69(10):1299–304 **(Jpn)**

DEFICIENCY

Thirteen cases of pyruvate kinase deficiency found in Japan. Ishida Y, et al. **Am J Hematol** 1981;10(3):239–50

Red cell pyruvate kinase deficiency: an optimised assay. Lakomek M, et al. **Clin Chim Acta** 1980 Nov 20; 108(1):31–40

Pyruvate kinase deficiency and other enzymopathies of the Embden–Meyerhof pathway. Miwa S. **Clin Haematol** 1981 Feb;10(1):57–80 (124 ref.)

Pyruvate kinase deficiency hemolytic anemia: enzymatic characterization studies in twelve patients. Shinohara K, et al. **Hemoglobin** 1980;4(5–6):611–25

Search for a relationship between molecular anomalies of the mutant erythrocyte pyruvate kinase variants and their pathological expression. Kahn A, et al. **Hum Genet** 1981; 57(2):172–5

Clinical and biochemical studies on mutant red cell enzymes mainly associated with hemolytic anemia. Miwa S. **Jinrui Idengaku Zasshi** 1980 Jun;25(2):83–92

GENETICS

Hereditary pyruvate kinase abnormalities associated with erythrocytosis. Rosa R, et al. **Am J Hematol** 1981; 10(1):47–55

Pyruvate kinase hyperactivity genetically determined metabolic consequences and molecular characterization. Max-Audit I, et al. **Blood** 1980 Nov;56(5):902–9

Three pyruvate kinase variants with increased affinity for PEP. Elder GE, et al. **Br J Haematol** 1981 Mar; 47(3):371–81

Seven pyruvate kinase variants characterized by the ICSH recommended methods. Miwa S, et al. **Br J Haematol** 1980 Aug;45(4):575–83

Pig gene mapping: PKM2-MPI-NP synteny. Gellin J, et al. **Cytogenet Cell Genet** 1981;30(1):59–62

A variation in mouse kidney pyruvate kinase activity determined by a mutant gene on chromosome 9. Johnson FM, et al. **Genet Res** 1981 Apr;37(2):123–31

Pyruvate kinase variants characterized by the methods recommended by the International Committee for Standardization in Haematology. Miwa S. **Hemoglobin** 1980;4(5–6):627–33

ISOLATION & PURIFICATION

Purification and characterization of pyruvate kinase from Trypanosoma brucei. Flynn IW, et al. **Arch Biochem Biophys** 1980 Apr 1;200(2):401–9

Purification and properties of dog muscle pyruvate kinase. Wu SW, et al. **Int J Biochem** 1981;13(2):147–52

METABOLISM

Non-linear dynamic phenomena in open reconstituted enzyme systems. Eschrich K, et al. **Acta Biol Med Ger** 1979;38(11–12):K25–33

The in vitro modification of phosphorylated pyruvate kinase by a Ca2+-activated protease from rat liver. Ekman P, et al. **Acta Chem Scand [B]** 1980;34(6):419–22

Regulation of pyruvate kinase by 6-phosphogluconate in isolated hepatocytes. Smith SB, et al. **Am J Physiol** 1981 Mar;240(3):E279–85

Prostatic origin of pyruvate kinase activity in human seminal plasma. Boonsaeng V, et al. **Andrologia** 1980 Nov-Dec; 12(6):559–63

Turnover of liver pyruvate kinase. Cladaras C, et al. **Arch Biochem Biophys** 1980 Apr 1;200(2):426–33

Studies on bacterial pyruvate kinase: properties of the enzyme from Pseudomonas aeruginosa and Thermus thermophilus. Eyzaguirre J. **Arch Biol Med Exp (Santiago)** 1979 Dec; 12(5):605–10

Analysis of progress curves. Rate law of pyruvate kinase type I from Escherichia coli. Markus M, et al. **Biochem J** 1980 Sep 1;189(3):421–33

Affinity labeling of rabbit muscle pyruvate kinase by a new fluorescent nucleotide alkylating agent 5'-[p-(fluorosulfonyl)benzoyl]-1,N6-ethenoadenosine. Likos JJ, et al. **Biochemistry** 1981 Feb 3;20(3):491–9

Analysis of the renaturation kinetics of bovine muscle pyruvate kinase. Porter DH, et al. **Biochemistry** 1980 Jul 22;19(15):3447–52

Single subunits of Sepharose-bound pyruvate kinase are inactive. Porter DH, et al. **Biochemistry** 1981 Apr 28; 20(9):2532–7

A multinuclear nuclear magnetic resonance study of the monovalent-divalent cation sites of pyruvate kinase. Raushel FM, et al. **Biochemistry** 1980 Nov 25;19(24):5481–5

Dexamethasone effects on liver pyruvate kinase. Johnson ML, et al. **Biochim Biophys Acta** 1981 Jun 11;675(1):140–2

Exogenous, but not endogenous, cyclic GMP reduces hepatic pyruvate kinase activity. Leichter SB, et al. **Biochim Biophys Acta** 1981 May 14;659(1):199–204

A microcalorimetric study of the reaction catalysed by pyruvate kinase. Cheer RL, et al. **Biophys Chem** 1980 Aug; 12(1):73–82

The action of proteolytic enzymes on human muscle pyruvate kinase. Baranowska B, et al. **Bull Acad Pol Sci [Biol]** 1979; 27(11):889–93

L-phenylalanine induced changes of sulfhydryl reactivity in rabbit muscle pyruvate kinase. Kwan CY, et al. **Can J Biochem** 1981 Feb;59(2):92–9

Quantitative determination of the degree of differentiation of mammary tumors by pyruvate kinase kinetic analysis [letter] Lopez-Alarcon L, et al. **Cancer Res** 1981 May; 41(5):2019–20

Dynamic properties of a phosphofructokinase/pyruvate kinase system. Experiments in vitro using the substrate-stat technique. Cumme GA, et al. **Eur J Biochem** 1981 Mar 16;115(1):59–65

Dual effects of phenylalanine analogs on rabbit-muscle pyruvate kinase activity. Izbicka-Dimitrijević E, et al. **Eur J Biochem** 1981 Mar;114(3):565–8

The role of Ca2+ and cyclic AMP in the phosphorylation of rat-liver soluble proteins by endogenous protein kinases. Van den Berg GB, et al. **Eur J Biochem** 1980 Dec; 113(1):131–40

Phosphorylation of human red cell and liver pyruvate kinase. Differences between liver and erythrocyte L-type subunits. Boivin P, et al. **Experientia** 1980 Aug 15;36(8):900–1

Negative cooperativity in the interaction of fructose 1,6-diphosphate with pyruvate kinase of Neurospora crassa. Kapoor M, et al. **FEBS Lett** 1981 Jan 26; 123(2):255–7

Isozyme differentiation of aldolase and pyruvate kinase in fetal, regenerating, preneoplastic, and malignant rat hepatocytes during culture. Guguen-Guillouzo C, et al. **In Vitro** 1981 May;17(5):369–77

Sarcoplasmic reticulum-bound pyruvate kinase in rat skeletal muscle. Wu SW, et al. **Int J Biochem** 1980;12(3):497–500

Monovalent cations requirement of the fructose 1,6-bisphosphate-activated pyruvate kinase from E. coli. Valentini G, et al. **Ital J Biochem** 1979 Sep-Oct; 28(5):345–61

Affinity labeling of the active site of yeast pyruvate kinase by 5'-p-fluorosulfonylbenzoyl adenosine. Likos JJ, et al. **J Biol Chem** 1980 Oct 10;255(19):9388–98

Regulation of glycolytic enzyme activity during chronic hypoxia by changes in rate-limiting enzyme content. Use of monoclonal antibodies to quantitate changes in pyruvate kinase content. Hance AJ, et al. **J Clin Invest** 1980 Dec; 66(6):1258–64

Catalytic and regulatory properties of muscle pyruvate kinase from Cancer magister. Guderley H, et al. **J Exp Zool** 1980 Jun;212(3):461–9

Effects of alanine on gluconeogenesis in isolated rat hepatocytes. Dong FM, et al. **J Nutr** 1980 Dec; 110(12):2341–9

Changes in aerobic and anaerobic metabolism in rat cardiac and skeletal muscles after total or partial dietary restrictions. Layman DK, et al. **J Nutr** 1981 Jun; 111(6):994–1000

Plasma glucagon and insulin concentrations and hepatic phosphoenolpyruvate carboxykinase and pyruvate kinase activities during and upon adaptation of rats to a high protein diet. Peret J, et al. **J Nutr** 1981 Jul;111(7):1173–84

Co-ordinate control of phosphofructokinase and pyruvate kinase by fructose diphosphate: a mechanism for amplification and step changes in the regulation of glycolysis in liver. Tornheim K. **J Theor Biol** 1980 Jul 21; 85(2):199–222

The influence of insulin and glucagon on the activity of pyruvic kinase in rat's liver. Gruszka S, et al. **Mater Med Pol** 1980;12(4):266–71

Pyruvate kinase: activation by and catalytic role of the monovalent and divalent cations. Nowak T, et al. **Mol Cell Biochem** 1981 Mar 13;35(2):65–75 (88 ref.)

Age-related quantitative changes in enzyme activities of rat brain. Vitorica J, et al. **Neurochem Res** 1981 Feb; 6(2):127–36

Stereochemistry of phosphoryl transfer. Lowe G, et al. **Philos Trans R Soc Lond [Biol]** 1981 Jun 26;293(1063):75–92 (29 ref.)

Conformations and arrangement of substrates at active sites of ATP-utilizing enzymes. Mildvan AS. **Philos Trans R Soc Lond [Biol]** 1981 Jun 26;293(1063):65–74 (43 ref.)

Chemistry of proton abstraction by glycolytic enzymes (aldolase, isomerases and pyruvate kinase). Rose IA. **Philos Trans R Soc Lond [Biol]** 1981 Jun 26; 293(1063):131–43 (39 ref.)

Oscillations and control features in glycolysis: numerical analysis of a comprehensive model. Termonia Y, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):2952–6

Activity of pyruvate kinase and lactic acid dehydrogenase in mouse lung after transplacental exposure to carcinogenic and non-carcinogenic chemicals. Rády P, et al. **Toxicol Lett** 1981 Jun-Jul;8(4–5):223–7

Red-cell enzyme activities and properties of mutant pyruvate kinase after 1-year storage in a −80 degrees C freezer. Ishida Y, et al. **Vox Sang** 1981 Feb;40(2):85–90

[Metabolic regulation of hepatic pyruvate kinase] de Medicis E. **Union Med Can** 1980 Sep;109(9):1258–60 (Eng. Abstr.) **(Fre)**

[Interrelationship between two kinetic forms of pyruvate kinase in chicken liver during ontogenesis] Ermolaeva LP. **Biokhimiia** 1981 Feb;46(2):230–3 (Eng. Abstr.) **(Rus)**

PYRUVATE OXIDASE

METABOLISM

The binding of a fluorescent activator 2-(N-decyl)aminonaphthalene-6-sulfonic acid to pyruvate oxidase. Schrock HL, et al. **Biochim Biophys Acta** 1980 Sep 9;615(1):10–8

PYRUVATE, PHOSPHATE DIKINASE see under **PHOSPHOTRANSFERASES, ATP**

PYRUVATES

Determination of glycolaldehyde in the presence of hydroxypyruvate and tartronate semialdehyde. de Windt FE, et al. **Anal Biochem** 1980 Aug;106(2):342–3

The conformation of catalytically functional Schiff's bases: the pyruvate–lysine ketimine of 2-keto-3-deoxygluconate-6-phosphate aldolase of Pseudomonas putida. Meloche HP, et al. **Arch Biochem Biophys** 1980 Sep;203(2):702–6

An enzymic bicarbonate reagent that is free of pyruvate interference [letter] Peled N. **Clin Chem** 1981 Jan; 27(1):199–200

ANALYSIS

Effects of ethanol on the developing rat. I. Ethanol metabolism and effects on lactate, pyruvate, and glucose concentrations. Hollstedt C, et al. **Med Biol** 1980 Jun; 58(3):158–63

[Lactate and pyruvate concentrations in perilymph, blood, and cerebrospinal fluid of guinea pigs] Scheibe F, et al. **Arch Otorhinolaryngol** 1981;232(1):81–9 **(Ger)**

[Changes in lactate dehydrogenase activity and lactic and pyruvic acid concentration in the blood and tissues of animals following intravenous administration of perfluorotributylamine emulsions] Afonin NI, et al. **Vopr Med Khim** 1980 Mar-Apr;26(2):185–7 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

The regulation of glucose and pyruvate formation from glutamine and citric-acid-cycle intermediates in the kidney cortex of rats, dogs, rabbits and guinea pigs. Watford M, et al. **Biochem J** 1980 Jun 15;188(3):741–8

BLOOD

Cyclic AMP and metabolic substrates following hemorrhage in awake and anesthetized rats. Farnebo LO, et al. **Acta Anaesthesiol Scand** 1980 Jun;24(3):206–10

Ophthalmoplegia plus: neuropathological and metabolic studies with a therapeutic trial in seven cases. Pellegrini G, et al. **Acta Neuropathol [Suppl] (Berl)** 1981;7:317–9

Lactate and pyruvate levels in the testicular vein of subfertile males with varicocele as a test for the theory of underlying hypoxia. Girgis SM, et al. **Andrologia** 1981 Jan–Feb; 13(1):16–9

Correction of increased plasma pyruvate and plasma lactate levels using large doses of thiamine in patients with Kearns–Sayre syndrome [letter] Lou HC. **Arch Neurol** 1981 Jul;38(7):469

Determination of organic acids in biological fluids by ion chromatography: plasma lactate and pyruvate and urinary vanillylmandelic acid. Rich W, et al. **Clin Chem** 1980 Sep; 26(10):1492–8

Effect of intake of excess ethyl alcohol on lactate–pyruvate metabolism in male albino rats. Ramakrishnan S, et al. **Indian J Biochem Biophys** 1980 Aug;17(4):322–4

An investigation of pyruvate metabolism in patients with cerebellar and spinocerebellar degeneration. Livingstone IR, et al. **J Neurol Sci** 1980 OCT;48(1):123–32

Effect of DDS therapy on blood pyruvate and lactate levels in leprosy patients. Bharadwaj VP, et al. **Lepr Rev** 1980 Sep;51(3):237–41

Circadian rhythm of the lactate and pyruvate concentration in rat liver and blood. Ahlersová E, et al. **Physiol Bohemoslov** 1981;30(3):213–20

[Changes in the concentration of glucose, fructose, insulin and free fatty acids in the blood plasma as well as of lactate and pyruvate in the blood of cattle after i.v. adrenaline, insulin and noradrenaline infusion] Kouider S, et al. **Arch Exp Veterinaermed** 1980;34(2):247–57 (Eng. Abstr.) **(Ger)**

[Blood-level changes of lactate and pyruvate after osmotherapy with mannitol and sorbitol (author's transl)] Spring A. **Neurochirurgia (Stuttg)** 1980 Sep;23(5):176–81 (Eng. Abstr.) **(Ger)**

[The glucose–pyruvate test in Friedreich's ataxia and Charcot–Marie–Tooth disease] Reggio A, et al. **Acta Neurol (Napoli)** 1981 Feb;36(1):174–8 **(Ita)**

[The glucose–pyruvate test in Friedreich's ataxia and Charcot–Marie–Tooth disease] Reggio A, et al. **Acta Neurol [Quad] (Napoli)** 1981;42:174–8 **(Ita)**

[Effects of some oral hypoglycemia drugs on blood levels of lactic and pyruvic acid in diabetes mellitus] Sgambato S, et al. **Clin Ter** 1980 Apr 30;93(2):183–92 (Eng. Abstr.) **(Ita)**

[Effects of glycolysis inhibitor on the change of pyruvate concentration in blood in vitro (author's transl)] Fushimi R, et al. **Rinsho Byori** 1980 Nov;28(11):1149–52 **(Jpn)**

[Insulin, gastrin, cyclic AMP, free fatty acids and pyruvates in the blood of children of diabetic families after oral administration of glucose, diabetol, aminoacids and fats] Piontek E. **Endokrynol Pol** 1981 Jan–Feb;32(1):105–12 **(Pol)**

[Carbohydrate metabolism in the maternal–fetal system in normal conditions and in hypoxia] Fedorova MV, et al. **Akush Ginekol (Mosk)** 1980 Aug;(8):7–11 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

[The serial CSF lactate and pyruvate levels as a guide to prognosis after severe head injury (author's transl)] Marchau M, et al. **Neurochirurgie** 1980;26(4):299–304 **(Fre)**

[Cerebrospinal fluid glucose, lactate and pyruvate concentration in patients with cerebral infarction after intravenous glucose loading test] Kawiak W, et al. **Neurol Neurochir Pol** 1980;14(5):499–505 (Eng. Abstr.) **(Pol)**

DIAGNOSTIC USE

Detection of myocardial ischemia before infarction, based on accumulation of labeled pyruvate. Goldstein RA, et al. **J Nucl Med** 1980 Nov;21(11):1101–4

IMMUNOLOGY

Immunochemical determination of the configuration of a haptenic substituent. Heidelberger M, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4244–6

METABOLISM

Accumulation of phosphate esters and decline of ATP in red cells incubated in vitro is caused by lack of pyruvate. Rapoport I, et al. **Acta Biol Med Ger** 1981;40(2):115–21

The effect of cyanamide on acetaldehyde oxidation by isolated rat liver mitochondria and on the inhibition of pyruvate oxidation by acetaldehyde. Cederbaum AI. **Alcoholism (NY)** 1981 Jan;5(1):38–44

The regulation of pyruvate oxidation during membrane depolarization of rat brain synaptosomes. Schaffer WT, et al. **Biochem J** 1980 Nov 15;192(2):741–51

Effects of dibucaine in pyruvate and ketone-body transport in isolated rat heart mitochondria. Barritt GJ. **Biochem Pharmacol** 1980 Oct 15;29(20):2877–9

Proton correlation nuclear magnetic resonance study of metabolic regulations and pyruvate transport in anaerobic Escherichia coli cells. Ogino T, et al. **Biochemistry** 1980 Aug 5;19(16):3684–91

Kinetics of and rate equations for the uptake of alpha-amino-isobutyric aicd and gamma-aminobutyric acid by mouse brain slices incubated in a glucose-free medium containing pyruvate as the energy source. Cohen SR. **Brain Res** 1981 Jan 26;205(1):157–68

Friedreich's ataxia in northern Italy. II. Biochemical studies in cultured cells. Bertagnolio B, et al. **Can J Neurol Sci** 1980 Nov;7(4):409–12

Identification of the decomposition products of hydralazine hydrazones with three endogenous ketones and kinetic study of the formation of 3-methyl-s-triazolo[3,4,a]phthalazine from hydralazine and pyruvic acid] Nakano M, et al. **Chem Pharm Bull (Tokyo)** 1980 Nov;28(11):3407–11

Simulation of the enzymatic reaction of dogfish M4 lactate dehydrogenase: a molecular orbital study on the reactivity of pyruvate. Umeyama H, et al. **Chem Pharm Bull (Tokyo)** 1980 Oct;28(10):2874–83

Effect of phenformin on the metabolism of glucose, pyruvate and acetate in guinea-pig heart. Rösen P, et al. **Diabete Metab** 1980 Sep;6(3):205–11

Biochemical effects of niridazole. I. In vitro and in vivo effect of niridazole on the rate of gluconeogenesis and oxidation of pyruvate and some Krebs cycle intermediates in mice. Sharaf AA, et al. **Egypt J Bilharz** 1978;5(1–2):49–57

Biochemical effects of niridazole. II. In vitro and in vivo effects of niridazole on the rate of gluconeogenesis and the rate of oxidation of pyruvate and some Krebs cycle intermediates in Schistosoma mansoni infected mice. Sharaf AA, et al. **Egypt J Bilharz** 1978;5(1–2):59–69

Stimulation of pyruvate carboxylation by gastric secretagogues. de Bohórquez E, et al. **Experientia** 1980 Oct 15;36(10):1198–9

Energy-dependent regulation of the steady-state concentrations of the components of the lactate dehydrogenase reaction in liver. Berry MN, et al. **FEBS Lett** 1980 Oct 6;119(2):317–22

Nephron heterogeneity: gluconeogenesis from pyruvate in rabbit nephron. Maleque A, et al. **FEBS Lett** 1980 Jul 28; 116(2):154–6

Effects of growth hormone on the oxidation of [1–14C]-pyruvate in adipose tissue of hypophysectomized rats. Goodman HM, et al. **Horm Metab Res** 1981 Jun; 13(6):351–5

Pancreatic islet metabolism of pyruvate and other potentiators of insulin release. Effects of starvation. Hedeskov CJ, et al. **Horm Metab Res [Suppl]** 1980;Suppl 10:8–13

[14C] distribution in glucose formed from pyruvate in rat hepatocytes. Rognstad R. **Int J Biochem** 1980;12(3):509–10

Kinetic mechanism of guinea-pig skeletal muscle lactate dehydrogenase (M4) with oxaloacetate–NADH and pyruvate–NADH as substrates. Sempere S, et al. **Int J Biochem** 1981;13(6):727–31

Microcalorimetric studies of the growth of sulfate-reducing bacteria: energetics of Desulfovibrio vulgaris growth. Traore AS, et al. **J Bacteriol** 1981 Jan;145(1):191–9

The effects of energetic steady state, pyruvate concentration, and octanoyl-(−)-carnitine on the relative rates of carboxylation and decarboxylation of pyruvate by rat liver mitochondria. Davis-van Thienen W, et al. **J Biol Chem** 1981 Aug 25;256(16):8371–8

31P NMR quantitation of the displacement of equilibria of arginine, creatine, pyruvate, and 3-P-glycerate kinase reactions by substitution of sulfur for oxygen in the beta phosphate of ATP. Lerman CL, et al. **J Biol Chem** 1980 Sep 25;255(18):8756–60

Studies of the role of catalytic and conformational metals in producing enzymatic activity in yeast enolase. Brewer JM, et al. **J Inorg Biochem** 1980 Oct;13(2):151–64

Energy metabolism in rat brain: inhibition of pyruvate decarboxylation by 3-hydroxybutyrate in neonatal mitochondria. Booth RF, et al. **J Neurochem** 1981 Jul; 37(1):179–85

The stimulation of pyruvate appearance in the rabbit oviduct lumen by sodium propionate. Leese HJ. **J Reprod Fertil** 1980 Jul;59(2):421–4

The effects of adenosine-5'-ethylcarboxamide on liver blood flow and hepatic glucose, lactate and pyruvate balances in dogs. Raberger G, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Nov; 314(3):281–4

[Lactate and pyruvate levels of the anterior eye segment after ultraviolet radiation (author's transl)] Kesternich HG, et al. **Ophthalmologica** 1980;180(2):110–8 (Eng. Abstr.) **(Ger)**

[Effect of calcium and other cations on pyruvate transport in rat liver mitochondria] Paradies G, et al. **Boll Soc Ital Biol Sper** 1980 Apr 15;56(7):647–53 (Eng. Abstr.) **(Ita)**

[Behavior of lactate and pyruvate in diabetics treated with a combination of fenformin and sulfonylurea in varying doses. I.] Lunetta M, et al. **Clin Ter** 1980 Jun 15; 93(5):525–33 (Eng. Abstr.) **(Ita)**

[Behavior of lactate and pyruvate in diabetics during ambulatory treatment with biguanides or with a combination of biguanides and sulfonylureas. II.] Lunetta M, et al. **Clin Ter** 1980 Jun 30;93(6):657–72 (71 ref.) (Eng. Abstr.) **(Ita)**

[Value of metabolic studies in diagnosis of ischemic cardiopathy] Oldani A, et al. **Minerva Med** 1980 Oct 6; 71(38):2759–63 (Eng. Abstr.) **(Ita)**

[Features of pyruvate and lactate metabolism in tumor-bearing rats following citrate administration] Velichko MG, et al. **Vopr Med Khim** 1981 Jan–Feb; 27(1):68–72 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Potential role for gluconeogenesis in pyruvate stimulation of H+ transport by turtle urinary bladder. Schwartz JH. **Am J Physiol** 1980 Oct;239(4):F366–F370

Fluoropyruvate: a potent inhibitor of the bacterial and the mammalian pyruvate dehydrogenase complex. Bisswanger H. **Biochem Biophys Res Commun** 1980 Jul 31;95(2):513–9

On the mechanism of the glucose-induced ATP catabolism in ascites tumour cells and its reversal by pyruvate. Glaser G, et al. **Biochem J** 1980 Dec 15;192(3):793–800

Effects of pyruvate, L-lactate, and 3-phenylpyruvate on function of ob/ob mouse pancreatic islets: insulin secretion in relation to 45Ca2+ uptake and metabolism. Lenzen S, et al. **Biochem Med** 1981 Jun;25(3):366–72

Effects of pyruvate and other metabolites on cyclic GMP levels in incubations of rat hepatocytes and kidney cortex. Dohi T, et al. **Biochim Biophys Acta** 1981 Feb 18; 673(1):14–25

The protection role of pyruvate against heat inactivation of N-acetylneuraminate lyase. Kolisis FN, et al. **FEBS Lett** 1980 Dec 1;121(2):280–2

Reversal of fluoride inhibition of in vivo nitrate reduction by pyruvate: further evidence for citric acid cycle origin of NADH for nitrate reduction. Ramarao CS, et al. **Indian J Biochem Biophys** 1980 Dec;17(6):475–6

Influx of gamma-aminobutyric acid and alpha-aminoisobutyric acid into mouse cerebrum slices incubated in a pyruvate medium with or without added glucose or glucose analogues compared with influx from a glucose medium. Cohen SR. **J Neurochem** 1980 Oct; 35(4):1008–12

Inhibitors of polyamine biosynthesis VII: Evaluation of pyruvate derivatives as inhibitors of S-adenosyl-L-methionine decarboxylase. Pankaskie M, et al. **J Pharm Sci** 1980 Sep;69(9):1000–4

Antiketogenic effect of gluconeogenic substrates. II. Effect of pyruvate. Rosario P, et al. **Rev Esp Fisiol** 1981 Mar; 37(1):65–70

Pyruvate blocks expression of sensitivity to antimycin A and chloramphenicol. Harris M. **Somatic Cell Genet** 1980 Nov; 6(6):699–708

THERAPEUTIC USE

Energy metabolism during reperfusion following ischemia. Mochizuki S, et al. **J Physiol (Paris)** 1980;76(7):805–12

The prevention of alcoholic fatty liver using dietary supplements: dihydroxyacetone, pyruvate and riboflavin compared to arachidonic acid in pair-fed rats. Goheen SC, et al. **Lipids** 1981 Jan;16(1):43–51

PYRVINIUM COMPOUNDS

THERAPEUTIC USE

[Comparative effectiveness and tolerance in the vanquin, combantrin and vermox treatments of enterobiasis] Alekseeva MI, et al. **Med Parazitol (Mosk)** 1980 Sep–Oct; 49(5):34–8 (Eng. Abstr.) **(Rus)**

PYTHIUM see under **PHYCOMYCETES**

PYURIA

DIAGNOSIS

Rapid detection of pyuria by leukocyte esterase activity. Kusumi RK, et al. **JAMA** 1981 Apr 24;245(16):1653–5

A simple test for detecting pyuria. Bailey RR, et al. **NZ Med J** 1981 Apr;93(682):269–70

[Beware of sterile pyuria. A case report of tuberculous epididymitis] Herting KH, et al. **Ugeskr Laeger** 1981 Feb 16;143(8):491 (Eng. Abstr.) **(Dan)**

ETIOLOGY

Gonorrhoea presenting as 'sterile' pyuria [letter] **Br Med J** 1980 Oct 11;281(6246):1009

[Kidney tuberculosis – still an important differential diagnosis in sterile pyuria. A case report from general practice] Nylenna M, et al. **Tidsskr Nor Laegeforen** 1980 Nov 10; 100(31):1850–1 (Eng. Abstr.) **(Nor)**

MICROBIOLOGY

Gonorrhoea presenting as 'sterile' pyuria. Chattopadhyay B, et al. **Br Med J** 1980 Sep 27;281(6244):841–2

URINE

The glutaraldehyde-fixed cytocentrifuge-prepared urine sediment in the evaluation of urinary tract infection. The significance of pyuria. Norberg B, et al. **Acta Pathol Microbiol Scand [B]** 1980 Oct;88B(5):277–9

Q BETA REPLICASE see under **RNA**

NUCLEOTIDYLTRANSFERASES

Q FEVER

COMPLICATIONS

Q fever endocarditis in a 6-year-old child. Jones RW, et al. **Arch Dis Child** 1980 Apr;55(4):312-5

Investigation of Coxiella burneti infection as a possible cause of chronic liver disease in man. Spicer AJ. **Trans R Soc Trop Med Hyg** 1979;73(4):415-7

[Q fever in the etiology of spontaneous abortion] Michev A, et al. **Akush Ginekol (Sofiia)** 1981;20(1):34-6 **(Bul)**

DIAGNOSIS

Q fever. Grove DI. **Aust Fam Physician** 1980 Oct;9(10):680-2

[Acute Q fever: study of 23 patients (author's transl)] Hellín T, et al. **Med Clin (Barc)** 1981 Jun 10;77(1):1-7 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Chronic Q fever endocarditis. Varma MP, et al. **Br Heart J** 1980 Jun;43(6):695-9

ETIOLOGY

Human milk as a source of Q-fever infection in breast-fed babies. Kumar A, et al. **Indian J Med Res** 1981 Apr; 73:510-2

Host-parasite interaction and development of infraforms in chicken embryos infected with Coxiella burnetii via the yolk sac. Khavkin T, et al. **Infect Immun** 1981 Jun; 32(3):1281-91

Q fever endocarditis involving a porcine bioprosthesis [letter] Goffin Y, et al. **Lancet** 1981 Jun 27;1(8235):1421-2

IMMUNOLOGY

A survey of Q fever antibodies in a high risk population in Panama. Kourany M, et al. **Am J Trop Med Hyg** 1980 Sep;29(5):1007-11

Mechanisms of protective immunogenicity of microbial vaccines: effects of cyclophosphamide pretreatment in Venezuelan encephalitis, Q fever and tularaemia. Ascher MS, et al. **Clin Exp Immunol** 1980 Aug;41(2):225-36

Role of antibody in Coxiella burnetii infection. Humphres RC, et al. **Infect Immun** 1981 Feb;31(2):641-5

Infection of cattle and livestock handlers with Coxiella burnetti and Chlamydiae in the farm of Bernolákovo (West Slovakia). Sádecký E. **J Hyg Epidemiol Microbiol Immunol** 1981;25(1):52-9

Q fever [letter] Marmion BP, et al. **Med J Aust** 1980 Sep 6;2(5):281-2

IgM globulin response in Q fever (Coxiella burneti) infections. Murphy AM, et al. **Pathology** 1980 Jul; 12(3):391-6

[Serological studies in the diagnosis of Q fever in persons in professional contact with cattle and sheep] Mikołajczyk E, et al. **Przegl Epidemiol** 1980;34(3):303-9 (Eng. Abstr.) **(Pol)**

MICROBIOLOGY

Biochemical stratagem for obligate parasitism of eukaryotic cells by Coxiella burnetii. Hackstadt T, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):3240-4

OCCURRENCE

Occurrence of rickettsioses in the Lithuanian Soviet Socialist Republic. Tarasevich IV, et al. **Folia Parasitol (Praha)** 1981; 28(2):169-77

Epidemiological studies of Q fever in the area of Dzhambul in the Kazakh SSR. Tsoi DC, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 1980; 24(2):206-11

Q fever in India: a review. Stephen S, et al. **J Indian Med Assoc** 1980 May 16;74(10):200-3 (45 ref.)

Q fever in Finland: clinical, immunological and epidemiological findings. Lumio J, et al. **Scand J Infect Dis** 1981;13(1):17-21

[Clinico-epidemiological considerations on an outbreak of Q fever in the Argeş region] Blidaru I, et al. **Rev Ig [Bacteriol]** 1980 Jul-Sep;25(3):171-4 (Eng. Abstr.) **(Rum)**

[Clinical course of Q fever over the past 20 years] Kasatkina IL, et al. **Klin Med (Mosk)** 1980 Oct;58(10):51-3 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Bone-marrow necrosis and Q fever. Brada M, et al. **Br Med J** 1980 Oct 25;281(6248):1108-9

PREVENTION & CONTROL

[Vaccination against Q fever in occupationally exposed persons in the district Velký Krtíš (author's transl)] Brezina R, et al. **Cesk Epidemiol Mikrobiol Imunol** 1981 Jan; 30(1):1-9 (Eng. Abstr.) **(Slo)**

VETERINARY

A serological survey for evidence of Q fever and in camels in Nigeria. Addo PB. **Br Vet J** 1980 Sep-Oct;136(5):519-21

Lactoserological study for detection of Q fever infection in freshly secreted bovine milk. Aich AC, et al. **Indian J Public Health** 1981 Jul-Sep;24(3):154-6

A study on the reservoir status of Q-fever in avifauna, wild mammals and poikilotherms in Uttar Pradesh (India). Yadav MP, et al. **Int J Zoonoses** 1980 Dec;7(2):85-9

Evaluation of a killed phase I Coxiella burnetii vaccine in cynomolgus monkeys (Macaca fascicularis). Kishimoto RA, et al. **Lab Anim Sci** 1981 Feb;31(1):48-51

Seroprevalence of brucellosis and Q fever in dairy animals. Sodhi SS, et al. **Zentralbl Veterinaermed [B]** 1980; 27(8):683-5

[Q-fever in Dutch dairy cattle] Schaap GJ, et al. **Ned Tijdschr Geneeskd** 1981 Feb 7;125(6):243-4 **(Dut)**

Q-SORT see under **PERSONALITY ASSESSMENT**

QUACKERY

see related
NOSTRUMS

Hope, quackery, and orthodox health research. Gardner KD Jr. **Ann Intern Med** 1980 Sep;93(3):503-4

The quack doctor of Serpukhov. Ryan M. **Br Med J [Clin Res]** 1981 Jun 13;282(6280):1945-6

Laetrile: a lesson in cancer quackery. Lerner IJ. **CA** 1981 Mar-Apr;31(2):91-5

Mexican drug therapy. Hindmarsh KW, et al. **Clin Toxicol** 1980 Aug;17(1):85-99

Holistic dentistry. Where does the holistic end and the quackery begin? Greene CS. **J Am Dent Assoc** 1981 Jan; 102(1):25-7

The new quack -- pseudoscience, public relations and politics. Arseneau JC, et al. **J Miss State Med Assoc** 1981 Aug;22(8):202-7

'The foolmaster who fooled them'. Young JH. **Yale J Biol Med** 1980 Nov-Dec;53(6):555-66

[Society against Quackery facing a new task] Nelemans FA. **Ned Tijdschr Geneeskd** 1981 Jan 3;125(1):18-9 **(Dut)**

[Quacks of all kinds] Zwaveling A. **Ned Tijdschr Geneeskd** 1981 Mar 7;125(10):392-4 **(Dut)**

[The problem of unorthodox methods in medicine (I)] Oepen I. **Med Welt** 1980 Jul 25;31(29-30):1106-10 **(Ger)**

[Methods of medical outsiders from the lawyer's point of view (author's transl)] Wimmer W. **Monatsschr Kinderheilkd** 1980 Jul;128(7):459-64 (58 ref.) (Eng. Abstr.) **(Ger)**

[Paramedical cancer remedies (author's transl)] Hauser SP. **Praxis** 1981 May 26;70(22):988-92 (Eng. Abstr.) **(Ger)**

HISTORY

Laetrile in historical perspective. Kardinal CG. **Mo Med** 1980 Sep;77(9):564-9

The Civiale Remedial Agency. Urologic quackery in the gay nineties. Zorgniotti AW. **Urology** 1981 Jan;17(1):109-12

LEGISLATION & JURISPRUDENCE

[Forensic medicine problems in the judgment of malpractice-injuries by healing practitioners] Staak M, et al. **Beitr Gerichtl Med** 1980;38:33-9 (Eng. Abstr.) **(Ger)**

[Fraud in medicine from the viewpoint of the jurist (letter)] **Med Welt** 1980 Sep 12;31(37):1335-8 **(Ger)**

QUADRIGEMINAL PLATE see **CORPORA QUADRIGEMINA**

QUADRIPLEGIA

General principles of management of the paraplegic. Burke DC. **Aust Fam Physician** 1981 Jan;10(1):27-30

Flexor pollicis longus tenodesis in tetraplegia at the sixth cervical level. A prospective evaluation of functional gain. Colyer RA, et al. **J Bone Joint Surg [Am]** 1981 Mar; 63A(3):376-9

A hoist modification to allow a heavy tetraplegic patient in a swivel walker to be lifted. Taylor AG, et al. **J Med Eng Technol** 1980 Mar;4(2):83

Maternal quadriplegia complicating pregnancy: report of case. Kopitzki HP. **JAOA** 1980 Oct;80(2):144-6

BLOOD

Basal sympatho-adrenal function in quadriplegic man. Levin BE, et al. **J Auton Nerv Syst** 1980 Dec;2(4):327-36

CHEMICALLY INDUCED

[Spinal cord damage caused by roentgenologic study of the aorta and its side branches] Klinkhamer AC. **Ned Tijdschr Geneeskd** 1980 Sep 13;124(37):1558-9 **(Dut)**

[Adynamic symptoms--paresthesias--, tetraparesis with respiratory insufficiency] Kaschka WP, et al. **Fortschr Med** 1981 Jul 2;99(25):995-8 **(Ger)**

[Neurological complication after vaccination by tetanic anatoxin (author's transl)] Farbaky M. **Cesk Epidemiol Mikrobiol Imunol** 1981 Jan;30(1):10-2 (Eng. Abstr.) **(Slo)**

COMPLICATIONS

Experience with the use of nitroprusside and subsequent epidural analgesia in a pregnant quadriplegic patient. Ravindran RS, et al. **Anesth Analg (Cleve)** 1981 Jan; 60(1):61-3

Delayed paralysis of the deltoids due to selective anterior horn necrosis in a patient with traumatic tetraplegia [letter] Foo D, et al. **Ann Neurol** 1979 Oct;6(4):366-7

Upper gastrointestinal bleeding in a quadriplegic patient. Djergaian RS, et al. **Arch Phys Med Rehabil** 1981 Jul; 62(7):345-6

Phrenic nerve conduction studies: a new technique and its application in quadriplegic patients. MacLean IC, et al. **Arch Phys Med Rehabil** 1981 Feb;62(2):70-3

Urological disability in quadriplegia: a study of treatment and follow-up in 92 patients. Gershon C, et al. **Br J Urol** 1980 Dec;52(6):488-91

Recurrent vomiting in a spastic quadriplegic. Cannon RA, et al. **Hosp Pract** 1981 Mar;16(3):41-2, 47

Cervical spondylolisthesis and other skeletal abnormalities in Rubinstein-Taybi syndrome. Robson MJ, et al. **J Bone Joint Surg [Br]** 1980 Aug;62(3):297-9

Acute gastric dilatation as a relatively late complication of tetraplegia due to very high cervical cord injury. Sutton RA, et al. **Paraplegia** 1981;19(1):17-9

Ventilatory support of the quadriplegic patient with respiratory paralysis by diaphragm pacing. Glenn WW, et al. **Surg Clin North Am** 1980 Oct;60(5):1055-78

[Orthostatic hypotension in tetraplegic patients (author's transl)] Gajdos P, et al. **Ann Med Interne (Paris)** 1980; 131(8):489-93 (Eng. Abstr.) **(Fre)**

[Hypokalemic states in clinical practice. A case of severe hypokalemia combined with flaccid quadriplegia] Ceriani G, et al. **Minerva Anestesiol** 1980 Nov;46(11):1205-14 (Eng. Abstr.) **(Ita)**

[Acute respiratory insufficiency in traumatic tetraplegia] Hachen HJ. **Minerva Anestesiol** 1979 Apr;45(4):227-32 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Locked-in syndrome with recovery. Khurana RK, et al. **Ann Neurol** 1980 Oct;8(4):439-41

Abnormal brainstem auditory evoked potentials and neuropathology in 'locked-in' syndrome. Seales DM, et al. **Neurology (NY)** 1981 Jul;31(7):893-6

ETIOLOGY

Intrauterine quadriplegia associated with breech presentation and hyperextension of fetal head: a case report. Cattamanchi GR, et al. **Am J Obstet Gynecol** 1981 Aug 1;140(7):831-3

Ascending polyneuropathy in leptospirosis--a case study. Morgan AG, et al. **Ann Trop Med Parasitol** 1980 Oct; 74(5):567-8

Ventilatory dysfunction and respiratory rehabilitation in post-traumatic quadriplegia. Huldtgren AC, et al. **Eur J Respir Dis** 1980 Dec;61(6):347-56

Familial prolonged atrial standstill presenting in infancy. Bayne EJ, et al. **J Pediatr** 1980 Dec;97(6):953-6

Acute quadriplegia due to bilateral cerebral metastases. Levine DN, et al. **Neurology (NY)** 1981 Mar;31(3):343-6

Severe hypokalaemia with paralysis induced by small doses of liquorice. Cumming AM, et al. **Postgrad Med J** 1980 Jul;56(657):526-9

Rheumatoid backward dislocation of the atlas with compression of the spinal cord. Teigland J, et al. **Scand J Rheumatol** 1980;9(4):253-6

[Kaliopenic normokalemic tetraplegia (letter)] Zazzo JF, et al. **Nouv Presse Med** 1981 Jun 27;10(28):2374 **(Fre)**

[Quadriplegia and sensory disorders of the upper limbs resulting from bilateral anterior infarction of the medulla oblongata: a case report (author's transl)] Léger JM, et al. **Rev Neurol (Paris)** 1980;136(11):793-5 (Eng. Abstr.) **(Fre)**

[Tetraplegia, a complication of achondroplasia: a case report (letter)] Blanquart F, et al. **Rev Rhum Mal Osteoartic** 1980 Nov;47(11):677 **(Fre)**

[Quadriplegia] Zäch GA. **Hefte Unfallheilkd** 1980; (149):215-23 **(Ger)**

[Periodic quadriplegia and potassium metabolism] Shishiba Y. **Nippon Rinsho** 1981 Feb;39(2):370-3 **(Jpn)**

METABOLISM

Serum lipids and lipoprotein concentrations in young quadriplegic patients. Heldenberg D, et al. **Atherosclerosis** 1981 May;39(2):163-7

OCCURRENCE

Paraplegia and quadriplegia in the elderly due to spinal cord lesions: association with malignancy. Cox ML, et al. **J Am Geriatr Soc** 1981 Mar;29(3):126-8

PHYSIOPATHOLOGY

Respiratory mechanics in quadriplegia. The respiratory function of the intercostal muscles. De Troyer A, et al. **Am Rev Respir Dis** 1980 Oct;122(4):591-600

Renin release during head-up tilt occurs independently of sympathetic nervous activity in tetraplegic man. Mathias CJ, et al. **Clin Sci** 1980 Oct;59(4):251-6

Renin and aldosterone release during sympathetic stimulation in tetraplegia. Mathias CJ, et al. **Clin Sci** 1981 Apr; 60(4):399-404

Spinal cord potentials in traumatic paraplegia and

quadriplegia. Sedgwick EM, et al.
J Neurol Neurosurg Psychiatry 1980 Sep;43(9):823–30
Lung volumes and mechanics of breathing in tetraplegics. Forner JV. **Paraplegia** 1980 Aug;18(4):258–66
Sympathetic hyperreflexia in tetraplegics. The value of systolic time intervals in assessing drug effects. Sommers DK. **S Afr Med J** 1980 Dec 13;58(24):978–80
[Case of C4–C5 tetraplegia with complete functional recovery] Salmoiraghi ML, et al. **Med Lav** 1980 Nov–Dec; 71(6):522–5 (Eng. Abstr.) **(Ita)**
[Shoulder movements during abduction and adduction of quadriplegic patients (author's transl)] Sasaki M, et al.
Nippon Seikeigeka Gakkai Zasshi 1980 May;54(5):431–47 (Eng. Abstr.) **(Jpn)**

PSYCHOLOGY

Coping with quadriplegia. Aadalen SP, et al. **Am J Nurs** 1981 Aug;81(8):1471–8

REHABILITATION

Independent leg bag emptying technique for cervical five quadriplegic clients. Williams L, et al.
Am J Occup Ther 1981 Jan;35(1):40–2
Electronic assistive devices: their impact on the quality of life of high level quadriplegic persons. Efthimiou J, et al.
Arch Phys Med Rehabil 1981 Mar;62(3):131–4
Vacuum as a grasping force. O'Reagan JR, et al.
Arch Phys Med Rehabil 1981 May;62(5):232–4
Economic implications of rehabilitation options for patients with quadriplegia. Stoddart GL, et al. **Clin Invest Med** 1980;3(3–4):245–52
Combining traditional physical therapy and karate in the treatment of a patient with quadriplegia. Goodman G, et al. **Int J Rehabil Res** 1980;3(2):236–9
Restoration of key grip and release in the C6 tetraplegic patient through functional electrical stimulation. Peckham PH, et al. **J Hand Surg** 1980 Sep;5(5):462–9
Non-traumatic acquired tetraplegia: case report. Pool GM.
Paraplegia 1981;19(3):164–6
Early complications of key grip hand surgery for tetraplegia. Smith AG. **Paraplegia** 1981;19(2):123–6
Functional exercise position for treating persons with quadriplegia. Neumann DA. **Phys Ther** 1980 Oct; 60(10):1291–2

SURGERY

Rehabilitation of the hand in tetraplegics. Mukherjee DJ.
Ann R Coll Surg Engl 1981 Jul;63(4):261–3
Surgical rehabilitation of the upper limb in tetraplegia. Moberg EA, et al. **Hand** 1980 Jun;12(2):209–13
Correction of spinal instability and recovery of neurologic loss following cervical vertebral body replacement. A case report. Light TR, et al. **Spine** 1980 Jul–Aug;5(4):392–4

THERAPY

Hyperbaric chamber treatment for 'locked-in' syndrome. Newman RP, et al. **Arch Neurol** 1980 Aug;37(8):529
Current situation of the management of the upper limb in tetraplegia. Lamb D. **Int Rehabil Med** 1979;1(3):135–7
A new device for fastening the condom sheath. Brooks ME, et al. **Paraplegia** 1981;19(3):187–8
Complications of external condom drainage. Golji H.
Paraplegia 1981;19(3):189–97
[Orthoses for para- and tetraplegics] Hachen HJ.
Z Unfallmed Berufskr 1979;72(4):232–7 **(Fre)**

URINE

Clinical implications of the disturbance in calcium and collagen metabolism in quadriplegia. Claus-Walker J.
Int J Rehabil Res 1980;3(4):540–1
Determination of gamma-carboxyglutamic acid excretion in urine. Kuttan R, et al. **J Chromatogr** 1981 Apr 10; 223(1):182–7
Free amino acid excretion in tetraplegic patients. Claus-Walker J, et al. **Paraplegia** 1980 Jun;18(3):167–73

QUADRUPLETS

Paediatric preparation for multiple premature births. Salisbury DM, et al. **Early Hum Dev** 1977 Oct;1(1):39–45
Analysis of multiple births in Japan. II. Weight at birth of triplets and quadruplets. Asaka A, et al.
Jinrui Idengaku Zasshi 1980 Sep;25(3):207–11
Attempts to produce monozygotic quadruplets in cattle by blastomere separation. Willadsen SM, et al. **Vet Rec** 1981 Mar 7;108(10):211–3

QUAIL

Adult Coturnix quail bronchitis. Chew-Lim M. **Avian Dis** 1980 Apr–Jun;24(2):520–6
Atypical histomoniasis in Bobwhite quail. Dhillon AS, et al.
Avian Dis 1980 Apr–Jun;24(2):510–6
Environmental fungus flora in quail-breeding farms. Sánchez Franco A, et al. **Avian Dis** 1981 Apr–Jun;25(2):254–9
Calcium and phosphorus requirements of growing Japanese quail. Reddy VR, et al. **Br Poult Sci** 1980 Sep;21(5):385–7
Schistosomiosis in a scaled quail. Craig TM, et al.
J Am Vet Med Assoc 1980 Nov 1;177(9):915–6
Enhancement and inhibition of CELO virus pathogenicity in quail by avian adenovirus-associated virus. Bagshaw C, et al. **J Wildl Dis** 1980 Apr;16(2):287–91
An epornitic of avian pox in wild bobwhite quail. Davidson WR, et al. **J Wildl Dis** 1980 Apr;16(2):293–8
On the pathogenetic mechanism of quail myopathy [letter] Papapetropoulos T, et al. **JAMA** 1980 Nov 21; 244(20):2263–4
Effects on feed palatability of ingredients believed to contain unidentified growth factors for poultry. Alenier JC, et al.
Poult Sci 1981 Jan;60(1):215–24
Studies on the amino acid and protein requirements of laying Japanese quail (Coturnix coturnix japonica). Allen NK, et al. **Poult Sci** 1980 Sep;59(9):2029–37
The effects of exogenous steroidal hormones on the testes of quail from selected high and low mating lines. Balander RJ, et al. **Poult Sci** 1980 AUG;59(8):1943–6
Laboratory evaluation of repellent properties against birds of the synthetic pyrethroid decamethrin. David D.
Poult Sci 1981 Jun;60(6):1149–51
Delayed reproductive development resulting from aflatoxicosis in juvenile Japanese quail. Doerr JA, et al.
Poult Sci 1980 Sep;59(9):1995–2001
Normal EEG of the restrained twenty-four-hour-old Japanese quail (Coturnix coturnix japonica). Kovacs SA, et al. **Poult Sci** 1981 Jan;60(1):243–9
The early influence of aflatoxin upon sexual maturation in the male Japanese quail. Ottinger MA, et al. **Poult Sci** 1980 AUG;59(8):1750–4
Relationship between fat in breast and thigh muscles and skin with abdominal fat from mated and unmated female Coturnix quail. Sadjadi M, et al. **Poult Sci** 1980 Nov; 59(11):2462–6
[Glycogenosis II in Japanese quails] Murakami H, et al.
Jikken Dobutsu 1980 Oct;29(4):475–8 **(Jpn)**

ANATOMY & HISTOLOGY

An analysis of skeletal muscle response to selection for rapid growth in Japanese quail (Coturnix coturnix Japonica). Fowler SP, et al. **Growth** 1980 Sep;44(3):235–52

BLOOD

Changes in plasma concentrations of thyroxine binding prealbumin and retinol binding protein in Japanese quail after hatching. Heaf DJ, et al. **Br J Nutr** 1980 Nov; 44(3):287–93
Effect of changing photoperiod on plasma thyroxine-binding prealbumin in Japanese quail (Coturnix coturnix japonica). El-Sayed M, et al. **Gen Comp Endocrinol** 1980 Aug; 41(4):539–45
Studies on blood groups in the Japanese quail: the common antigens possessed by red blood cells and leukocytes, and their inheritance. Katoh H, et al. **Immunogenetics** 1981; 13(1–2):109–14
Effects of phenylhydroxylamine and aminophenols in Japanese quail in vivo. Blaauboer BJ, et al. **Xenobiotica** 1980 Jul–Aug;10(7–8):495–8

CYTOLOGY

[Growth of Japanese quail embryo cell cultures on DEAE-Sephadex A-50 microcarrier] Bektemirov GA, et al. **Vopr Virusol** 1980 Jul–Aug;(4):400–3 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Somitogenesis in cultured embryos of the Japanese quail, Coturnix coturnix japonica. Packard DS Jr. **Am J Anat** 1980 May;158(1):83–91
Prenatal auditory discrimination in the bobwhite quail. Heaton MB, et al. **Behav Neural Biol** 1981 Feb;31(2):242–6
Simple in vitro system for molecular studies of early avian development in the quail. Olszańska B, et al.
Br Poult Sci 1980 Sep;21(5):395–403
Origin of collagen types I, III, and V in cultures of avian skeletal muscle. Sasse J, et al. **Dev Biol** 1981 Apr 15; 83(1):79–89
Steroidogenesis by gonads of normal and of diethylstilbestrol-treated quail embryos: radioimmunoassays on organ cultures. Scheib D, et al.
Gen Comp Endocrinol 1981 Apr;43(4):519–26
The development of the oculomotor nuclear complex in the Japanese quail embryo. Heaton MB. **J Comp Neurol** 1981 Jun 1;198(4):633–48
The behaviour of embryonic chick and quail tissues in culture. Bellairs R, et al. **J Embryol Exp Morphol** 1981 Feb;61:15–33
Neuromuscular blocking agents and axial teratogenesis in the avian embryo. Can axial morphogenetic disorders by explained by pharmacological action upon muscle tissue? Meiniel R. **Teratology** 1981 Apr;23(2):259–71
[Colony-forming capacity of the cells from various hempoietic organs of the quail embryo] Latsis RV, et al.
Biull Eksp Biol Med 1980 Aug;90(8):214–5 (Eng. Abstr.) **(Rus)**

GENETICS

A third allele at the phosphoglucose isomerase locus of the Japanese quail. Kimura M, et al.
Anim Blood Groups Biochem Genet 1980;11(3):201–3
Protein polymorphism in quail populations selected for large body size. Maeda Y, et al.
Anim Blood Groups Biochem Genet 1980;11(4):251–60
Induction of H-Y antigen in the gonads of male quail embryos by diethylstilbestrol. Müller U, et al.
Differentiation 1980 Apr;16(2):129–33
Heritability and genetic correlations of body weight and surgically removed abdominal fat in Coturnix quail. Sadjadi M, et al. **Poult Sci** 1980 Sep;59(9):1977–84

IMMUNOLOGY

Developmental changes in the presence of specific chicken fetal-leukemic antigen determinants in the chicken, Japanese quail, and the interspecific hybrid. Dietert RR, et al. **Poult Sci** 1980 AUG;59(8):1706–14
Hemagglutinin responses in Japanese quail treated with exogenous adrenocorticotrophin. Morgan GW. **Poult Sci** 1981 May;60(5):1071–4

METABOLISM

A high-affinity cytosol binding protein for 1 alpha,25-dihydroxycholecalciferol in the uterus of Japanese quail. Takahashi N, et al. **Biochem J** 1980 Sep 15; 190(3):513–8
Tissue lead concentrations in Japanese quail ingesting lead pellets or shot with lead pellets. Kendall RJ, et al.
Bull Environ Contam Toxicol 1981 May;26(5):652–5
The topography of mesotocin and vasotocin systems in the brain of the domestic mallard and Japanese quail: immunocytochemical identification. Bons N.
Cell Tissue Res 1980;213(1):37–51
Immunocytochemical localization of neurotensin-containing neurons in the hypothalamus of the Japanese quail, Coturnix coturnix japonica. Yamada S, et al.
Cell Tissue Res 1981;218(1):29–39
Difference of Japanese quail LH-RF from mammalian LH-RF revealed by biological and immunochemical studies. Hattori MA, et al. **Gen Comp Endocrinol** 1980 Jun; 41(2):217–24
The regulation of 25-hydroxycholecalciferol metabolism in the kidney of Japanese quail (Coturnix coturnix japonica) by sex hormones and by parathyroid extract. Sedrant SH, et al. **Gen Comp Endocrinol** 1981 Aug;44(4):514–23
Efficacy of nickel ferrocyanide-anion exchange resin for reducing egg contamination with 137Cs in laying Japanese quails. Matsusaka N, et al. **Int J Radiat Biol** 1980 Aug; 38(2):217–21
Toxicity of mercuric chloride in Japanese quail as affected by methods of incorporation into the diet. El-Begearmi MM, et al. **Poult Sci** 1980 Oct;59(10):2216–20
Effect of 3-hydroxy-3-methylglutaric acid on cholesterol metabolism in female Japanese quail. Labate ME, et al.
Poult Sci 1980 Feb;59(2):383–9
Divergent selection in Japanese quail for the plasma cholesterol response to ACTH. Marks HL, et al.
Poult Sci 1980 AUG;59(8):1700–5
Radiolanthanides as markers for vitellogenin-derived proteins in the growing oocytes of the Japanese quail. Robinson GA, et al. **Poult Sci** 1980 Oct;59(10):2312–21
Factors influencing methionine toxicity in young bobwhite quail. Serafin JA. **Poult Sci** 1981 Jan;60(1):204–14
[Repercussions of prolonged ingestion of dieldrin on digestibility of nutrients and nitrogen balance in the quail] Andujar MM, et al. **Ann Nutr Aliment** 1980;34(3):537–45 (Eng. Abstr.) **(Fre)**
[The effect of the herbicide Dinoseb-acetate (Aretit) on transaminase (GOT, GPT) activity in the blood serum and muscles of the Japanese quail (Coturnix coturnix japonica)] Paulov S. **Vet Med (Praha)** 1980 Nov;25(11):697–702 (Eng. Abstr.) **(Slo)**

MICROBIOLOGY

Isolation and serological differentiation of a herpesvirus from bobwhite quail (Colinus virginianus, L. 1758). Kaleta EF, et al. **Arch Virol** 1980;66(4):359–64
[Study of viral contamination of Japanese quail and cell cultures from their embryos] Bogomolova NN, et al.
Vopr Virusol 1981 Jan–Feb;(1):114–7 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

Seasonal trends of helminth parasites of bobwhite quail. Davidson WR, et al. **J Wildl Dis** 1980 Jul;16(3):367–75
Ectoparasites collected from bobwhite quail in the southeastern United States. Doster GL, et al.
J Wildl Dis 1980 Oct;16(4):515–20

PHYSIOLOGY

Sites and action spectra for encephalic photoreception in the Japanese quail. Glass JD, et al. **Am J Physiol** 1981 Mar; 240(3):R220–8
Response of Japanese quail (Coturnix coturnix) to organophosphorus ester-induced delayed neurotoxicity relative to domestic hens (Gallus gallus domesticus). Francis BM, et al. **Bull Environ Contam Toxicol** 1980 Oct; 25(4):537–40
A model of the impact of methyl parathion spraying on a quail population. Tipton AR, et al.
Bull Environ Contam Toxicol 1980 Oct;25(4):586–93
Effects of feeding pattern on the pituitary--thyroid axis in the Japanese quail. Almeida OF, et al.
Gen Comp Endocrinol 1981 Aug;44(4):508–13
Changes in the pituitary and plasma LH, plasma and follicular

progesterone and estradiol, and plasma testosterone and estrone concentrations during the ovulatory cycle of the quail (Coturnix coturnix japonica). Doi O, et al. **Gen Comp Endocrinol** 1980 Jun;41(2):156–63

Prolactin concentrations in the pituitary gland and plasma of Japanese quail in relation to photoperiodically induced sexual maturation and egg laying. Goldsmith AR, et al. **Gen Comp Endocrinol** 1980 Dec;42(4):449–54

Effects of sex steroids on aggressive behavior of adult male Japanese quail. Tsutsui K, et al. **Gen Comp Endocrinol** 1981 Aug;44(4):480–6

Uptake of retinol, retinol-binding protein and thyroxine-binding prealbumin by egg yolk of Japanese quail. Heaf DJ, et al. **Int J Biochem** 1980;12(3):439–43

Brain temperatures in running quail. Kilgore DL Jr, et al. **J Appl Physiol** 1981 Jun;50(6):1277–81

Interrelationship between thyroid and gonadal function in female Japanese quail kept under short and long photoperiods. Péczely P, et al. **J Endocrinol** 1980 Oct; 87(1):55–63

Gonadotropic activation induced by local photic stimulation of the lobus paraolfactorius in male quail. Oliver J, et al. **J Physiol (Paris)** 1980 Nov;76(6):611–6

Toxic effects of acrylamide in Japanese quail (Coturnix coturnix Japonica). Cabe PA, et al. **J Toxicol Environ Health** 1981 Jun;7(6):935–40

Age-dependent gene induction in quail oviduct. XI. Alterations on the post-transcriptional level (analytical aspect). Arendes J, et al. **Mech Ageing Dev** 1980 Sep–Oct; 14(1–2):49–57

Age-dependent gene induction in quail oviduct X. Alterations on the post-transcriptional level (enzymic aspect). Müller WE, et al. **Mech Ageing Dev** 1980 Sep–Oct; 14(1–2):39–48

Effects of low intensity red light on testicular recrudescence in Japanese quail. Gildersleeve RP, et al. **Poult Sci** 1981 Feb;60(2):453–61

The effect of adrenal glands on ovulation in Japanese quail (Coturnix coturnix japonica). Moreng GR, et al. **Poult Sci** 1980 Dec;59(12):2760–4

[Effect of testosterone on the RNA polymerase I and II activity of the uropygial and cloacal glands of the male quail (Coturnix coturnix japonica)] Abalain JH, et al. **Gen Comp Endocrinol** 1981 Jun;44(2):189–93 **(Fre)**

[Fenbendazole tolerance in regard to fertility in quail] Sambeth W. **Berl Muench Tieraerztl Wochenschr** 1980 Jul 15;93(14):274–5 (Eng. Abstr.) **(Ger)**

[Tolerance of mebendazole, fenbendazole, thiabendazole, cambendazole and febantel in relation to egg-laying capacity, egg quality, fertility and hatch rate of quail (Coturnix coturnix japonica)] Supperer R, et al. **Berl Munch Tieraerztl Wochenschr** 1981 Jun 1; 94(11–12):211–5 (Eng. Abstr.) **(Ger)**

QUALITY ASSURANCE, HEALTH CARE

Regional quality assurance for the 1980's, current status and future directions. Lawson NS, et al. **Am J Clin Pathol** 1980 Oct;74(4 Suppl):552–9

Quality assurance of pharmaceutical services: an objective-based planning strategy. Stolar MH. **Am J Hosp Pharm** 1981 Feb;38(2):209–12

Cancer registry: aims, functions and quality control. Saxén EA. **Arch Geschwulstforsch** 1980;50(6):588–97

Quality assurance programs in clinical trials. Glicksman AS, et al. **Cancer Treat Rep** 1980 Feb–Mar;64(2–3):425–33

Performance measures for mental health programs: something better, something worse, or more of the same? Keppler-Seid H, et al. **Community Ment Health J** 1980 Fall;16(3):217–34

Malpractice, quality assurance, and continuing education: a linkage past due. Garrell M. **Conn Med** 1981 Mar; 45(3):175–6

Improving quality assurance in hospitals. Klopfer AH. **Conn Med** 1981 Jul;45(7):443–4

The evaluation of resuscitation and critical care equipment: a user's quality assurance service. Knickerbocker GG. **Crit Care Med** 1981 May;9(5):401–2

Adopting a quality assurance program. Leach J, et al. **Dimens Health Serv** 1981 Apr;58(4):30, 32

Quality of care program relies on medical records staff. Shannon M, et al. **Dimens Health Serv** 1980 Sep;57(9):36–7

Consumer accreditation: developing a quality assurance patient evaluation scale. Deiker T, et al. **Hosp Community Psychiatry** 1981 Aug;32(8):565–7

Pharmacists meet monthly to discuss findings of QA audits. **Hospitals** 1980 Dec 1;54(23):39–40

Hospital aims quality assurance risk management education at staff. Collins P. **Hospitals** 1981 Jun 1;55(11):93–5

Full coverage of issues reflects importance of risk management. Lanham GB, et al. **Hospitals** 1981 Apr 1; 55(7):165–8 (31 ref.)

Multifacility program addresses both QA and risk management. McCollum WE. **Hospitals** 1981 Jun 1; 55(11):96–7

Planning is the key to successful QA programs. Marshik-Gustafson J, et al. **Hospitals** 1981 Jun 1; 55(11):67–8, 71–3

What's so different about qualilty assurance in small, rural hospitals? Moeller D. **Hospitals** 1981 Jun 1;55(11):77, 79–80, 82

Why risk management and quality assurance should be integrated. Orlikoff JE, et al. **Hospitals** 1981 Jun 1; 55(11):54–5

Nursing executive committee sets standards for clinical practice. Reeves DM, et al. **Hospitals** 1981 Jul 1; 55(13):71–2, 80

Successful QA program incorporates new JCAH standard. Shaffer KL, et al. **Hospitals** 1981 Aug 16;55(16):117–20

Standards of practice: nutritional quality assurance in acute-care hospitals. Looney DH, et al. **J Am Diet Assoc** 1981 Jul;79(1):64–5

Psychosocial health care and quality assurance activities. Berg JK, et al. **J Fam Pract** 1980 Oct;11(4):641–3

Evaluating primary ambulatory care with a health information system. Given CW, et al. **J Fam Pract** 1981 Feb;12(2):293–302

Limitations on quality assurance effectiveness: Improving psychiatric inpatient drug prescribing habits of physicians. Eastaugh SR. **J Med Syst** 1980;4(1):27–43

Design and behavioral strategies for cost containment and quality assurance. Longest BB Jr. **J Med Syst** 1981; 5(1–2):97–110

Why quality assurance? Alexander LL, et al. **J Natl Med Assoc** 1981 Apr;73(4):347–51

Quality assurance: focus on environmental perceptions of psychiatric patients and nursing staff. Miller TW, et al. **J Psychiatr Nurs** 1980 Dec;18(12):9–14

Apples of discord. Black D. **J R Soc Med** 1981 Feb; 74(2):92–100

The development of dental practice profiles. Bailit HL, et al. **Med Care** 1981 Jan;19(1):30–46

Evaluation of psychosocial health care in quality assurance activities. Berg JK, et al. **Med Care** 1981 Jan;19(1):24–9

Testing an outcome-based quality assurance strategy in primary care. Mushlin AI, et al. **Med Care** 1980 May;18(5 Suppl):1–100

Optimal and logical quality: two neglected aspects of the quality of health services. Vuori H. **Med Care** 1980 Oct; 18(10):975–85

National organization for quality assurance in hospitals. Reerink E. **Med Educ** 1980 Sep;14(5 Suppl):52–5

Political repression charged [letter] Wright C. **N Engl J Med** 1980 Nov 13;303(20):1183

The psychiatric nurse--accountable? to whom? for what? Peplau HE. **Perspect Psychiatr Care** 1980 May–Jun; 18(3):128–34

Quality assurance experiences within a physical therapy curriculum. Schenck JM. **Phys Ther** 1980 Jul;60(7):882–u

Quality assurance as a management function: introduction to this issue and a report on the quality assurance management institute. **QRB** 1981 Jul;7(7):2–3

Simplifying quality review systems through the use of organizational goals. Barrett T. **QRB** 1981 Jul;7(7):4–9

A concurrent surgical miniaudit procedure: use of generic outcome screening criteria to detect anesthesia and other perioperative problems. Beck B, et al. **QRB** 1981 Mar; 7(3):21–4

Support service evaluation: part II—defining the problem and its importance. Beezley D, et al. **QRB** 1980 Apr; 6(4):8–12

Use of employee surveys in quality assurance programs. Caldwell GB. **QRB** 1981 Jul;7(7):19–22

Patient focus in multidisciplinary review. Carter JH, et al. **QRB** 1978;Special No:8

Approaches to quality assessment in social work. Coulton CJ. **QRB** 1980 Oct;6(10):9–13

Design for a coordinated, problem-focused quality assurance program. Crawford N, et al. **QRB** 1980 Jul;6(7):9–14

A selected bibliography of literature on quality assurance for community mental health centers. Diamond H, et al. **QRB** 1980 Apr;6(4):27–31

Refining a study design to assess delays in reporting radiologic test results. Gerstein J. **QRB** 1980 Dec; 6(12):16–20

Involving staff in nursing quality assurance. Harmon CA. **QRB** 1980 Nov;6(11):26–30

A visual aid to quality assurance: a simple management tool to track quality assurance activities. Hendrix KK, et al. **QRB** 1981 Jul;7(7):23–7

Developing a quality assurance plan in a medical center. Hunter SA, et al. **QRB** 1980 Sep;6(9):11–5

The benefits of evaluating care provided to children hospitalized with insulin dependent diabetes mellitus. Hurwitz LS, et al. **QRB** 1981 Jun;7(6):13–21

Approaches to improving the quality of health care: organizational change. Jessee WF. **QRB** 1981 Jul;7(7):13–8

Study of drug overdose patients in an emergency department. Kresky B, et al. **QRB** 1980 Jul;6(7):15–8

Considerations for evaluation of patient care in emergency departments. Kresky B, et al. **QRB** 1980 Dec;6(12):8–15

A three-part approach to quality assurance in nursing. Lindy CN. **QRB** 1980 Mar;6(3):12–6

CHAMP: a comparative study approach. Macaluso D, et al. **QRB** 1980 Jul;6(7):19–24

Quality assurance--panacea or Trojan horse? Comments from a British physician. Markus AC. **QRB** 1981 Feb; 7(2):21–2

A method for documenting and displaying problem-focused activities. Martin RD. **QRB** 1981 Apr;7(4):24–7

Quality assurance--an Israeli point of view. Matoth Y. **QRB** 1981 Feb;7(2):7–9

Use of incidence report data in a system-wide quality assurance/risk management program. Oulton R. **QRB** 1981 Jun;7(6):2–7

Obstacles to and potentials for nursing quality appraisal. Phaneuf MC, et al. **QRB** 1981 Apr;7(4):2–5

'AS-SCORE': a multi-attribute clinical index of illness severity. Roveti GC, et al. **QRB** 1980 Jul;6(7):25–31

A region-wide quality of care monitoring and problem delineation plan. Sapin SO, et al. **QRB** 1980 Feb;6(2):13–9

Quality assurance update: Medical education on cost and quality. Shanahan M. **QRB** 1980 Apr;6(4):6–7

The quality of relationships. Skillicorn SA. **QRB** 1981 Apr; 7(4):12–9

Accountability, evaluation, and quality assurance in a hospital social service department. Spano RM, et al. **QRB** 1980 Oct; 6(10):14–9

On the quality of anesthesia care: an introduction to the special section. Tabatabai C. **QRB** 1981 Mar;7(3):8–9

A quality assurance study of the barium enema: report from a hospital in The Netherlands. van der Voorde F, et al. **QRB** 1981 Feb;7(2):10–3

In the forefront: analysis of problems chosen for review by support services. Wendorf B. **QRB** 1980 Apr;6(4):13–4

X-ray utilization as a result of a patient care evaluation study. Wolcott B, et al. **QRB** 1980 Jul;6(7):3–8

Credentialing within the quality assurance structure. The approach implemented at the Naval Regional Medical Center, Orlando (interview by Barbara Wendorf. Zimble JA. **QRB** 1980 May;6(5):10–5

Establishing a total quality assurance program in diagnostic radiology. Carlton R. **Radiol Technol** 1980 Jul–Aug; 52(1):23–38

Assurance of quality of the provision of primary medical care by non-professionals. Habicht JP. **Soc Sci Med [Med Anthropol]** 1979 Jan;13 B(1):67–75

Social work quality assurance based on medical diagnosis and task: a second-stage report. Ferguson K, et al. **Soc Work Health Care** 1980 Fall;6(1):63–71

[Society against Quackery facing a new task] Nelemans FA. **Ned Tijdschr Geneeskd** 1981 Jan 3;125(1):18–9 **(Dut)**

[Control of the quality of medical care. Theoretical analysis of the problem] Pequignot H, et al. **Cah Sociol Demogr Med** 1980 Jul–Sep;20(3):147–8 **(Fre)**

[Ensuring quality in medical outpatient attention (author's transl)] Schwartz FW. **MMW** 1981 Mar 20;123(12):473–7 (Eng. Abstr.) **(Ger)**

[Assessment of quality of medical activities (author's transl)] Selbmann HK, et al. **MMW** 1981 Feb 6;123(6):216–20 (Eng. Abstr.) **(Ger)**

[Analysis of the competence of the general practitioner. Quality determination of general practice and internal medicine services] Senftleben HU. **MMW** 1981 Mar 20; 123(12):478–81 **(Ger)**

[Evaluation of pharmacotherapy in general-internal ambulatory care as a possibility of quality control] Zschokke U, et al. **Schweiz Med Wochenschr** 1981 Jan 3; 111(1):14–20 (Eng. Abstr.) **(Ger)**

[Quality assurance of brachytherapy by means of interactive computer-assisted planning of the dose distribution using visual optimization (author's transl)] Schumann E, et al. **Strahlentherapie** 1980 Aug;156(8):569–71 (Eng. Abstr.) **(Ger)**

[Quality control in gynecology and obstetrics (author's transl)] Hochuli E. **Ther Umsch** 1981 Jun;38(6):567–77 (Eng. Abstr.) **(Ger)**

ECONOMICS

A quality assurance program based on a financial model. Ackerman D, et al. **QRB** 1980 Sep;6(9):2–4

LEGISLATION & JURISPRUDENCE

Continuing education: a quality assurance approach. Robertson SC, et al. **Am J Occup Ther** 1981 May; 35(5):312–6

The hospital trustee and quality assurance. Tilson JQ. **Conn Med** 1981 Apr;45(4):245

Committees can help oversee hospital's QA activities. Troyer G, et al. **Hospitals** 1981 Jun 1;55(11):87–91

Hospital and staff: working together for quality patient care. Blaes SM. **J Kans Med Soc** 1980 Nov;81(11):527–30

Hospital corporate liability for inadequate quality assurance in Pennsylvania. Couch JB. **J Leg Med (Chicago)** 1980 Oct; 2(1):14–46

Quality assurance in ambulatory care. Hill RK. **Primary Care** 1980 Dec;7(4):713–21 (12 ref.)

[Basically better care. General principles in malpractice] Franzki H. **Med Welt** 1981 Apr 10;32(15):62–3 **(Ger)**

METHODS

Quality assurance in ambulatory nutritional care. II. Field testing of criteria. Vermeersch JA, et al. **J Am Diet Assoc** 1981 Jun;78(6):582–6

Quality assurance in the health care curriculum [letter] Dennis DA. **QRB** 1981 Mar;7(3):4–6

STANDARDS

Report on the Quality Assurance Programs of the College of American Pathologists. **Am J Clin Pathol** 1980 Oct;74(4 Suppl):505–605

TRENDS

Introduction to the report on the Quality Assurance Programs of the College of American Pathologists, 1980. Batsakis JG, et al. **Am J Clin Pathol** 1980 Oct;74(4 Suppl):505–7

Quality assurance in ambulatory nutritional care. I. Past, present, and future. Kaufman M, et al. **J Am Diet Assoc** 1981 Jun;78(6):577–82

The future of quality assurance and PSROs. Gertman PM. **Med Care** 1981 Mar;19(3):253–4

Patient care evaluation: coming of age in the 80s. Shanahan M. **QRB** 1981 Apr;7(4):10–1

A conversation with Dr. Stanley A. Skillicorn: a leading proponent of integrated, problem-oriented quality assurance is interviewed by the QRB [by Cheryl Tabatabai] Skillicorn SA. **QRB** 1981 Apr;7(4):20–3

Relating continuing education and quality assurance activities. Thompson RE. **QRB** 1981 Jan;7(1):3–6

[Quo vadis quality assurance?] Selbmann HK. **MMW** 1981 Jul 3;123(27):1099–100 **(Ger)**

[Quality control in health services: why and how?] Zschokke U, et al. **Schweiz Med Wochenschr** 1981 Jan 3;111(1):2–3 **(Ger)**

QUALITY CONTROL

see related

REFERENCE STANDARDS

The status of methods of calibration in hematology. Gilmer PR Jr, et al. **Am J Clin Pathol** 1980 Oct;74(4 Suppl):600–5

Quality control of agar diffusion susceptibility tests. Data from the Quality Assurance Service Microbiology Program of the College of American Pathologists. Knowles RC, et al. **Am J Clin Pathol** 1980 Oct;74(4 Suppl):581–5

Preliminary observations on the Quality Assurance Service Therapeutic Drug Monitoring Program. Lohff MR. **Am J Clin Pathol** 1980 Oct;74(4 Suppl):542–5

Analytic clinical chemistry precision and medical needs. The Canadian Interlab Program (CIP). Turcotte G, et al. **Am J Clin Pathol** 1980 Sep;74(3):336–9

Internal analytical quality control using the cusum chart and truncated V-mask procedure. Edwards RW. **Ann Clin Biochem** 1980 Jul;17(4):205–11

Who shall control the controllers? A personal views. Jeffcoate SL. **Ann Clin Biochem** 1981 Jan;18(Pt 1):1–5

Analytical errors in clinical laboratories as assessed by an interlaboratory survey. Lever M, et al. **Ann Clin Biochem** 1981 Jan;18(Pt 1):28–36

The control of immunobiological preparations in Hungary and its importance for national vaccination programmes. Erdös L. **Ann Immunol Hung** 1979;19:25–35

Suitability of control materials. General principles and methods of investigation. Bretaudiere JP, et al. **Clin Chem** 1981 Jun;27(6):798–805

A multi-rule Shewhart chart for quality control in clinical chemistry. Westgard JO, et al. **Clin Chem** 1981 Mar; 27(3):493–501

Influence of a between-run component of variation, choice of control limits, and shape of error distribution on the performance characteristics of rules for internal quality control. Westgard JO, et al. **Clin Chem** 1979 Mar; 25(3):394–400

Matrix effects in clinical analysis: commutability of control materials between the Ektachem, Beckman and SMA 12/60 glucose and urea methods. Clark PM, et al. **Clin Chim Acta** 1981 Jul 1;113(3):293–303

Perceptions of the coordinating center: as viewed by an advisory board. Berge KC. **Controlled Clin Trials** 1980 Sep; 1(2):143–6

International federation of clinical chemistry. Committee on standards. Expert panel on nomenclature and principles of quality control in clinical chemistry. IFCC document stage 2, draft 3; 1979-07 with a view to an IFCC recommendation. Quality control in clinical chemistry. Part 4. Internal quality control. Büttner J, et al. **J Clin Chem Clin Biochem** 1980 Aug;18(8):535–41

International Federation of Clinical Chemistry, Scientific Committee Expert Panel on Nomenclature and Principles of Quality Control in Clinical Chemistry. Approved recommendation (1979) on quality control in clinical chemistry. Part 3. Calibration and control materials. Büttner J, et al. **J Clin Chem Clin Biochem** 1980 Nov; 18(11):855–60

International Federation of Clinical Chemistry, Scientific Committee Expert Panel on Nomenclature and Principles of Quality Control in Clinical Chemistry Approved recommendations (1979) on quality control in clinical chemistry, Part 6. Quality requirements from the point of view of health care. Büttner J, et al. **J Clin Chem Clin Biochem** 1980 Nov;18(11):861–6

Determination of assigned values in control specimens for internal accuracy control and for interlaboratory surveys. Evaluation of 200 different lots with identical experimental design: experiences and conclusions. Hansert E, et al. **J Clin Chem Clin Biochem** 1980 Aug;18(8):461–90

What is the quality of quality control procedures? de Verdier CH, et al. **Scand J Clin Lab Invest** 1981 Feb;41(1):1–14

[High pressure liquid chromatography in pharmaceutical literature on drug quality control] Subert J. **Cesk Farm** 1980 Aug;26(6):212–5 **(Cze)**

[Measurement and quality control of dosage forms. XVIII. A comparative study of methods for granulometry of zinc oxide] Záček H, et al. **Cesk Farm** 1979 Dec;28(9–10):384–6 (Eng. Abstr.) **(Cze)**

[Reliability of clinical and paraclinical data: quality control] **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(1):5–30 **(Fre)**

[Considerations on quality control] Bossart H. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(1):6–7 **(Fre)**

[Reliability of biopsies and cytological examinations] Gloor E. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(1):12–4 **(Fre)**

[Computers, statistics and quality control] Lewin D. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(1):25–7 **(Fre)**

[Control of the quality of laboratory examinations] Zender R. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(1):8–11 **(Fre)**

[Quality control of computer-assisted arrhythmia monitoring] Ritz R. **Schweiz Med Wochenschr** 1981 Jun 27; 111(26):997–1000 (Eng. Abstr.) **(Ger)**

[Drug safety: activities of the manufacturer] Krupp P. **Soz Praeventivmed** 1980 Mar;25(1–2):14–7 (Eng. Abstr.) **(Ger)**

[Quality control in gynecology and obstetrics (author's transl)] Hochuli E. **Ther Umsch** 1981 Jun;38(6):567–77 (Eng. Abstr.) **(Ger)**

[Visual fitness of test personnel in disturbance-free quality control. Magnetic power and penetration testing] Vatteroth KL, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1980;30(7):249–54 **(Ger)**

QUALITY OF HEALTH CARE

see related

PROFESSIONAL STAFF COMMITTEES
SOCIAL CONTROL, FORMAL

Beginnings of the New York State Mental Hygiene Medical Review Board 1976–1980. Sommers SC, et al. **Am J Forensic Med Pathol** 1980 Dec;1(4):361–4

Measuring dimensions of the quality of care in small community residences. Pratt MW, et al. **Am J Ment Defic** 1980 Sep;85(2):188–94

Optimum quality. **Am J Orthod** 1981 Jan;79(1):95–7

Criteria, norms and standards of quality: what do they mean? Donabedian A. **Am J Public Health** 1981 Apr;71(4):409–12

The quality of medical care delivered by lay practitioners in a feminist clinic. Elhai LS. **Am J Public Health** 1981 Aug;71(8):853–5

The ethics of consumer protection research. Renaud M. **Am J Public Health** 1980 Oct;70(10):1098–9

Practice settings and prescribing profiles: the simulation of tension headaches to general practitioners working in different practice settings in the Montreal area. Renaud M, et al. **Am J Public Health** 1980 Oct;70(10):1068–73

The use and abuse of deception. Weiss RJ. **Am J Public Health** 1980 Oct;70(10):1097–8

Comment on the American Board of Anesthesiology's 'quality anesthesia care': a question of learning objectives. Dykes MH. **Anesthesiology** 1980 Sep;53(3):237–41

Quality of care [letter] Rate RG. **Ann Intern Med** 1981 Aug; 95(2):238

Otolaryngology and medicine today in the People's Republic of China. McCabe BF. **Ann Otol Rhinol Laryngol** 1980 Nov-Dec;89(6 Pt 1):590

The educational value of a model medical care evaluation program. Sandlow LJ, et al. **Annu Conf Res Med Educ** 1980;(19):111–6

Efficacy of traditional continuing medical education in changing physician knowledge and behavior in the care of patients with acute myocardial infarction. White CW, et al. **Annu Conf Res Med Educ** 1980;(19):195–200

Evaluation of the quality of restorations in a children's dental program. Webster DB Jr, et al. **ASDC J Dent Child** 1981 Mar-Apr;48(2):134–7

Quality of comprehensive audiological care: a survey of parents of hearing-impaired children. Sweetow RW, et al. **ASHA** 1980 Oct;22(10):841–7

Quality of prescribing for children. **Br Med J** 1980 Jul 19; 281(6234):228–9

The physician's concern. Burnum JF. **Bull NY Acad Med** 1981 Jan-Feb;57(1):13–8

The role of competition. McClure W. **Bull NY Acad Med** 1981 Jan-Feb;57(1):45–50

Specialization and development of better medical care in the East and Central Africa region. Kanyerezi BR. **East Afr Med J** 1980 Dec;57(12):813–5

Characteristics of superior and average special education teachers. Westling DL, et al. **Except Child** 1981 Feb; 47(5):357–63

Patient perception of medical care. Nelson-Wernick E, et al. **Health Care Manage Rev** 1981 Winter;6(1):65–72

An integrated approach to performance evaluation in the health care field. Smith HL, et al. **Health Care Manage Rev** 1980 Winter;5(1):59–67

Rate setting promotes interdepartmental cooperation in QA. Miccio BL. **Hospitals** 1981 Jun 1;55(11):83–5

Correlation between the quality patient care scale and the Phaneuf audit. Ventura MR. **Int J Nurs Stud** 1980; 17(3):155–62

Improvement of quality of nursing care: a goal to challenge in the eighties. van Maanen HM. **J Adv Nurs** 1981 Jan; 6(1):3–9

Chronic disease, function and the quality of care. Cluff LE. **J Chronic Dis** 1981;34(7):299–304

Patient telephone interviews: a valuable technique for finding problems and assessing quality in ambulatory medical care. Zimney L, et al. **J Community Health** 1980 Fall;6(1):35–42

The quality of diabetic care in a London health district. Yudkin JS, et al. **J Epidemiol Community Health** 1980 Dec; 34(4):277–80

The fragmented man. Blackwood M. **J Med Ethics** 1981 Jun; 7(2):86–7

The measurement of the quality of general practitioner care. Watkins CJ. **J R Coll Gen Pract [Occas Pap]** 1981 Mar; (15):1–18

AMA jail program appeals to local-M.D. sense of duty. Cohen TJ. **J Tenn Med Assoc** 1981 Jan;74(1):66

An autopsy method for evaluating trauma care. West JG. **J Trauma** 1981 Jan;21(1):32–4

Fatigue in medical personnel [letter] Paulson R. **JAMA** 1981 Jul 10;246(2):124

Reflections on health care in Cuba. Conover S, et al. **Lancet** 1980 Nov 1;2(8201):958–60

Cuba's health services [letter] Gordon AM. **Lancet** 1981 Jan 10;1(8211):103

Cuba's health services [letter] Halberstam MJ. **Lancet** 1980 Dec 6;2(8206):1253

'Chronic and critical.' A commentary on health care in London. Jones FA. **Lancet** 1981 Jan 3;1(8210):33–5

The legal restraints on psychiatric care. Feldman WS. **Leg Med** 1980;:221–7

A comment on 'Continuity of care: does it contribute to quality of care?' [letter] Chen MK. **Med Care** 1980 Sep; 18(9):969–74

Measuring the quality of clinical performance with hernia and myocardial infarction patients, controlling for patient risks. Fernow LC, et al. **Med Care** 1981 Mar;19(3):273–80

Medicaid and the health care of children in poverty and near poverty: some successes and failures. Gortmaker SL. **Med Care** 1981 Jun;19(6):567–82

Comparison of a criteria map to a criteria list in quality-of-care assessment for patients with chest pain: the relation of each to outcome. Greenfield S, et al. **Med Care** 1981 Mar;19(3):255–72

Utilization review in nursing homes: making implicit level-of-care judgments explicit. Kane RL, et al. **Med Care** 1981 Jan;19(1):3–13

A comment on 'domain of practice and the quality of physician performance'. Louis DZ, et al. **Med Care** 1981 Jul;19(7):780–2

Domain of practice and the quality of physician performance. Rhee SO, et al. **Med Care** 1981 Jan;19(1):14–23

Continuity of care: does it contribute to quality of care? Roos LL, et al. **Med Care** 1980 Feb;18(2):174–84

Quality control. Parry KM. **Med Educ** 1980 Sep;14(5 Suppl):56–8

On 'size' and the quality of residential care: a second look. Baroff GS. **Ment Retard** 1980 Jun;18(3):113–7

Patterns of care for mentally retarded persons. Eyman RK, et al. **Ment Retard** 1980 Apr;18(2):63–6

Feedback of therapeutic skills for quality assessment within ward sessions in psychiatry. Reinhoff O, et al. **Methods Inf Med** 1981 Jan;20(1):23–7

Advantages and limitations of explicit criteria for assessing the quality of health care. Donabedian A. **Milbank Mem Fund Q** 1981 Winter;59(1):99–106

A comparison of the quality of maternity care between a health-maintenance organization and fee-for-service practices. Wilner S, et al. **N Engl J Med** 1981 Mar 26; 304(13):784–7

Structure vs. people in primary nursing: an inquiry. Shukla RK. **Nurs Res** 1981 Jul-Aug;30(4):236–41

Professionalism and progress: essentials in quality health care. Nash SL. **NY State Dent J** 1980 Nov;46(9):543–4

NIH consensus development statement on cesarean childbirth. The Cesarean Birth Task Force. **Obstet Gynecol** 1981 Apr;57(4):537–45

Outpatient pediatric surgery: the consumer's view. Glen PM, et al. **Ohio State Med J** 1980 Dec;76(12):731–3

Fifteenth Mary McMillan Lecture: This I believe. Kendall FP. **Phys Ther** 1980 Nov;60(11):1437–43

The 1980 Presidential Address. Wortley DW. **Phys Ther** 1980 Nov;60(11):1430–6

Measuring the quality of care in nursing homes: a pilot study in Wisconsin. Gustafson DH, et al. **Public Health Rep** 1980 Jul-Aug;95(4):336–43

Use of computers in studying quality of care. Miller PL, et al. **QRB** 1980 May;6(5):25–9

Risk management: a management-oriented program implemented through the medical director's office. Wright RE, et al. **QRB** 1981 Jul;7(7):10–2

[Economic aspects of health service activities] Toman J. **Cesk Zdrav** 1981 Jul;29(7):310–3 **(Cze)**

[Rational medicine] van der Meer J. **Ned Tijdschr Geneeskd** 1981 Apr 18;125(16):626–7 **(Dut)**

[Length of the hospital stay and the quality of care in pediatrics (editorial)] Alagille D, et al. **Arch Fr Pediatr** 1981 Mar;38(3):147–9 **(Fre)**

[Length of hospitalization and quality of care in a department of pediatrics. Results of a prospective study (author's transl)] Alagille D, et al. **Arch Fr Pediatr** 1981 Mar; 38(3):151–4 (Eng. Abstr.) **(Fre)**

[Length of hospitalization and quality of care in a department

of pediatrics. An approach to the parents' point of view (author's transl)] Alagille D, et al. **Arch Fr Pediatr** 1981 Mar;38(3):155–8 (Eng. Abstr.) **(Fre)**

[Understanding and improvement of the quality of current medical care apropos of an investigation of infectious diseases] Armengaud M, et al. **Cah Sociol Demogr Med** 1980 Jul–Sep;20(3):156–7 **(Fre)**

['Quality of care' in ambulatory medicine: from theory to method of assessment] Stephan JC, et al. **Cah Sociol Demogr Med** 1980 Jul–Sep;20(3):158–62 **(Fre)**

[Evaluation of medical practices] Battista RN. **Union Med Can** 1980 Oct;109(10):1462–7 (Eng. Abstr.) **(Fre)**

[Hospital physicians' attitudes toward health care evaluation] Pérusse M, et al. **Union Med Can** 1980 May;109(5):695–702 (Eng. Abstr.) **(Fre)**

[Significance of the autopsy for medical quality control from the viewpoint of the clinician] Bertram E, et al. **Med Welt** 1980 Sep 19;31(38):1339–47 **(Ger)**

[Dental technology: quality allows no compromise] Rubbert A. **Zahnaerztliche Mitteilungen** 1980 Oct 1;70(19):1262–4 **(Ger)**

[Work systems–norms–quality protection. Challenge or command for the dentist today and tomorrow?] **ZWR** 1980 Nov;89(11):10–7 **(Ger)**

[The available and the desirable in the British National Health Service] Halevi HS. **Harefuah** 1980 Aug;99(3–4):88–93 (Eng. Abstr.) **(Heb)**

[Evaluation of nonurgent medical care in the emergency room] Hirschberg A, et al. **Harefuah** 1981 Jan 1; 100(1):39–41 (Eng. Abstr.) **(Heb)**

[Cystitis treatment by drugstore personnel in São Paulo] Bestane WJ, et al. **AMB** 1980 Jun;26(6):185–6 (Eng. Abstr.) **(Por)**

[Tuberculous meningitis. Deficiencies of assistant personnel to the detriment of early diagnosis and treatment] Tiriba A da C, et al. **AMB** 1980 Jul;26(7):248–52 (Eng. Abstr.) **(Por)**

[Quality of periodic medical examinations and means of improvement] Penkovich AA. **Gig Tr Prof Zabol** 1981 May;(5):42–3 **(Rus)**

[Improving the quality of medical services to the population––the most important objective of the health authorities and institutions of the RSFSR] Trubilin NT. **Sov Med** 1981;(2):3–9 **(Rus)**

[Ways of improving medical care for the rural population] Madyeva LD. **Sov Zdravookhr** 1981;(5):3–6 **(Rus)**

[Improvement of health care and geriatrics] Chebotarev DF. **Ter Arkh** 1980;52(8):4–8 **(Rus)**

ECONOMICS

Economic changes and physician – patient relations. Ginzberg E. **Bull NY Acad Med** 1981 Jan–Feb;57(1):29–35

The soaring cost of a day in the hospital. Posatko RC. **Pa Med** 1981 May;84(5):29–32

[The quality of care] Levy E. **Cah Sociol Demogr Med** 1980 Jul–Sep;20(3):145–6 **(Fre)**

LEGISLATION & JURISPRUDENCE

The law and infection control. Nottebart HC Jr. **IC Infect Control** 1981 Jan–Feb;2(1):70

Legal guidelines for standards of care. Power JM. **NY State Dent J** 1980 Nov;46(9):584–6

[Physicians face their economic and social responsibilities. Evaluation of quality of health care: role of regulations] Closier J. **Nouv Presse Med** 1980 May 31;9(24):1724–6 **(Fre)**

TRENDS

Leadership and quality in nutritional care: our role in today's world. Huenemann RL. **J Am Diet Assoc** 1981 Feb; 78(2):124–8

Improvements in burn care, 1965 to 1979. Feller I, et al. **JAMA** 1980 Nov 7;244(18):2074–8

Health care reforms still needed in the nation's prisons [news] Gunby P. **JAMA** 1981 Jan 16;245(3):211–4

Improvements in burn care [editorial] Pruitt BA Jr. **JAMA** 1980 Nov 7;244(18):2090

[Trends towards diminished quality] Döring HF. **Med Welt** 1980 Dec 19;31(51–52):1880 **(Ger)**

[Further improvement in medical care for the rural population] Romanenko AE. **Sov Zdravookhr** 1980;(12):3–8 (Eng. Abstr.) **(Rus)**

QUALITY OF LIFE

Quality of life after stroke: a three–year follow–up. Lawrence L, et al. **Age Ageing** 1979 Aug;8(3):167–72

Subjective indicators and the comparative evaluation of the quality of community life. Shin DC. **Am J Community Psychol** 1980 Oct;8(5):523–35

Living with cancer. Northouse LL. **Am J Nurs** 1981 May; 81(5):961–2

Survival and quality of life after selective portasystemic shunts. Orozco H, et al. **Am J Surg** 1981 Feb;141(2):183–6

Quality of life events in relation to psychiatric symptoms. Grant I, et al. **Arch Gen Psychiatry** 1981 Mar;38(3):335–9

Quality of life: some measurement requirements. Alexander JL, et al. **Arch Phys Med Rehabil** 1981 Jun;62(6):261–5

Quality of life in benefit–cost analyses of rehabilitation research. Cardús D, et al. **Arch Phys Med Rehabil** 1981 May;62(5):209–12

Social support and post–burn adjustment. Davidson TN, et al. **Arch Phys Med Rehabil** 1981 Jun;62(6):274–8

The second dimension [editorial] Eiseman B. **Arch Surg** 1981 Jan;116(1):11–3

Life with an ileal conduit: results of questionnaire surveys of patients and urological surgeons. Jones MA, et al. **Br J Urol** 1980 Feb;52(1):21–5

Quality of life in renal failure. **Br Med J** 1980 Jul 12; 281(6233):97–8

The quality of life after cardiac surgery. Ross JK, et al. **Br Med J [Clin Res]** 1981 Feb 7;282(6262):451–3

The quality of life [editorial] Jones B. **Child Care Health Dev** 1981 Mar–Apr;7(2):65–6

Psychosocial disability during maintenance hemodialysis. Procci WR. **Gen Hosp Psychiatry** 1981 Mar;3(1):24–31

The expectation gap and the stereotype of the stereotype: images of old people. Thomas WC Jr. **Gerontologist** 1981 Aug;21(4):402–7

Psychosocial differences between elderly volunteers and non–volunteers. Hunter KI, et al. **Int J Aging Hum Dev** 1980–81;12(3):205–13

Schedule shifts, life quality and quantity––modeled by murine blood pressure elevation and arthropod life span. Halberg J, et al. **Int J Chronobiol** 1979;7(1):17–64

Situational influences on leisure satisfaction and morale in old age. Mancini JA, et al. **J Am Geriatr Soc** 1980 Oct; 28(10):466–71

Chronic disease, function and the quality of care. Cluff LE. **J Chronic Dis** 1981;34(7):299–304

Plenary session: concern for the quality of life. 32nd annual meeting of the American Academy of Forensic Sciences, New Orleans, La., 20–23 Feb. 1980. **J Forensic Sci** 1980 Oct;25(4):886–931

Quality of life for the mentally disabled. Dietz PE, et al. **J Forensic Sci** 1980 Oct;25(4):926–31

Concern for the quality of life and future importance of the forensic sciences (the living and working environment). Gantner GE. **J Forensic Sci** 1980 Oct;25(4):922–5

Law and the quality of life. Marger E, et al. **J Forensic Sci** 1980 Oct;25(4):893–901

Juvenile delinquency and the quality of life: the 17–year depression. Russell DH, et al. **J Forensic Sci** 1980 Oct; 25(4):908–11

Quality of life––theme. Schroeder O Jr. **J Forensic Sci** 1980 Oct;25(4):886–92

Responses of the human skeleton to changes in the quality of life. Stewart TD. **J Forensic Sci** 1980 Oct;25(4):912–21

The structure of subjective well–being in different age groups. Herzog AR, et al. **J Gerontol** 1981 Jul;36(4):472–9

The unfairness of life for children with handicaps. Coulter DL. **JAMA** 1980 Sep 12;244(11):1207–8

Supportive management of the patient with malignant brain tumor. Wilson CB, et al. **JAMA** 1980 Sep 12; 244(11):1249–51

Quality of life in patients on permanent home parenteral nutrition. Ladefoged K. **JPEN** 1981 Mar–Apr;5(2):132–7

Quality of survival in histiocytosis X: a Southwest Oncology Group study. Komp DM, et al. **Med Pediatr Oncol** 1980; 8(1):35–40

Quality of life––the ultimate goal in rehabilitation. Crewe NM. **Minn Med** 1980 Aug;63(8):586–9

Career orientations and the quality of working life among medical interns and residents. Linn LS. **Soc Sci Med [a]** 1981 May;15A(3):259–63

Quality of survival in patients with surgically treated bronchial carcinoma. Nõu E, et al. **Thorax** 1980 Apr; 35(4):255–63

Improved quality of life following radical radiation therapy for early stage carcinoma of the prostate. Leibel SA, et al. **Urol Clin North Am** 1980 Oct;7(3):593–604

Social and economic implications of cancer in the United States. Rice DP, et al. **Vital Health Stat [3]** 1981 Mar; 3(20):1–43

[Quality of life and old age] Fromholt P. **Nord Med** 1981 Apr;96(4):114–6 **(Dan)**

[Discharge from intensive care and quality of life. Criteria for choosing admission and discharge from intensive care] le Pasteur M, et al. **Ann Anesthesiol Fr** 1980;21(3):301–6 **(Fre)**

[Comparison of life expectancy and life quality in chronic dialysis and renal transplant patients (author's transl)] Deutsch E. **Acta Med Austriaca** 1980;7(4–5):158–9 (Eng. Abstr.) **(Ger)**

[The debit side of progress in neurology and neurosurgery (author's transl)] Kuhlendahl H. **Nervenarzt** 1980 Aug; 51(8):453–6 **(Ger)**

[Housing quality in cities from the tenant's point of view] Wehrli–Schindler B. **Soz Praeventivmed** 1980 Dec; 25(6):322–6 (Eng. Abstr.) **(Ger)**

[Quality of life in housing – experiences frao a housing survey] Wiegand J. **Soz Praeventivmed** 1980 Dec; 25(6):314–21 (Eng. Abstr.) **(Ger)**

[An ideological problem in the reduction of infant mortality] Fuchs M, et al. **Z Aerztl Fortbild (Jena)** 1980 May 1; 74(9):440–4 (41 ref.) **(Ger)**

[Living conditions and quality of life of old people] Glatzer W, et al. **Z Gerontol** 1980 May–Jun;13(3):247–60 (Eng. Abstr.) **(Ger)**

[Advances in gerontology will improve the quality of life for the aged] Hydle I. **Nord Med** 1981 Apr;96(4):100–2 **(Nor)**

[The sense of life perception and neurotism in patients with chronic pulmonary tuberculosis (author's transl)] Kulpa A. **Przegl Lek** 1980;37(10):693–6 (Eng. Abstr.) **(Pol)**

[Living conditions in today's villages and the incidence of cardiovascular diseases] Furmenko IP, et al. **Sov Zdravookhr** 1981;(3):25–9 **(Rus)**

QUANTUM THEORY

Record of the human magnetocardiogram by the quantum gradiometer with optical pumping. Livanov MN, et al. **Adv Cardiol** 1981;28:78–80

Choosing the right fictions of scientific law. Walter DO. **Am J Physiol** 1980 Nov;239(5):R365–71

Derivation and significance of valence molecular connectivity. Kier LB, et al. **J Pharm Sci** 1981 Jun; 70(6):583–9

Ab initio refinement of an orbital–centred force field for biomolecules: orbital localisation and parameterisation of the C–O–P(O2)–O–C fragment of nucleotides. Platt E, et al. **J Theor Biol** 1981 Jan 21;88(2):333–53

Max Planck. Shampo MA, et al. **JAMA** 1980 Nov 28; 244(21):2429

Structure–activity relationships on quantum–chemical basis. Sklenar H, et al. **Pharmazie** 1981 May;36(5):388

QUARANTINE

Isolation units for quarantine of personally owned pet birds. Hand K, et al. **Proc Annu Meet US Anim Health Assoc** 1979;(83):289–93

HISTORY

Leicester and smallpox: the Leicester method. Fraser SM. **Med Hist** 1980 Jul;24(3):315–32

[Quarantine service and anti–epidemic measures in the Ukraine during the 18th century] Borodiĭ NK. **Zh Mikrobiol Epidemiol Immunobiol** 1980 May;(5):117–20 **(Rus)**

QUARTZ see under **SILICA**

QUERCETIN see under **FLAVONES**

QUESTIONNAIRES

Diagnostic value of questionnaires regarding angina pectoris and oesophageal dysfunction in patients with chest pain. Areskog M, et al. **Acta Med Scand [Suppl]** 1981;644:13–6

Characteristics of respondents and non–respondents to a mailed questionnaire. Barton J, et al. **Am J Public Health** 1980 Aug;70(8):823–5

Potential errors by non–response bias [letter] Criqui MH. **Am J Public Health** 1980 Dec;70(12):1301–2

Accuracy of information on smoking habits provided on self–administered research questionnaires. Petitti DB, et al. **Am J Public Health** 1981 Mar;71(3):308–11

The environmental symptoms questionnaire: revisions and new filed data. Sampson JB, et al. **Aviat Space Environ Med** 1980 Sep;51(9 Pt 1):872–7

Current practices of estrogen receptor determination. Segaloff A. **Cancer** 1980 Dec 15;46(12 Suppl):2930–1

The use of pulmonary function testing and questionnaires as epidemiologic tools in the study of occupational lung disease. Boehlecke BA, et al. **Chest** 1981 Apr;79(4 Suppl):114S–122S

Dichotomous vs. interval rating of headache symptomatology: an investigation in the reliability of headache assessment. Thompson JK, et al. **Headache** 1980 Sep;20(5):261–5

Study priorities identified by nurses in mental health settings. Ventura MR, et al. **Int J Nurs Stud** 1981;18(1):41–6

Evaluation of a postal screening questionnaire to identify the physically disabled. Peach H, et al. **Int Rehabil Med** 1980; 2(4):189–93

A response to the interdisciplinary continuing education dilemma. Mansfield RM, et al. **J Allied Health** 1981 Aug; 10(3):174–8

X–ray questionnaire [letter] Blank H. **J Am Acad Dermatol** 1981 Feb;4(2):236

Validation of a screening battery for psychogeriatric assessment. Cresswell DL, et al. **J Gerontol** 1981 Jul; 36(4):435–40

The development, validity, and reliability of the OARS multidimensional functional assessment questionnaire. Fillenbaum GG, et al. **J Gerontol** 1981 Jul;36(4):428–34

A health inventory for the school nurse. Allensworth DD. **J Sch Health** 1980 Oct;50(8):486–7

Delphi: group participation in needs assessment and curriculum development. Hentges K, et al. **J Sch Health** 1980 Oct;50(8):447–50

Choice of preventive treatment for isoniazid–resistant tuberculous infection. Use of decision analysis and the Delphi technique. Koplan JP, et al. **JAMA** 1980 Dec 19; 244(24):2736–40

Review of psychometric features of the Medical School Learning Environment Survey. Feletti GI, et al. **Med Educ** 1981 Mar;15(2):92–6

The internal structure of the Mcgill Pain Questionnaire in dysmenorrhoea patients [letter] Boyd DB, et al. **Pain** 1980 Oct;9(2):279–81

The Oswestry low back pain disability questionnaire.

Fairbank JC, et al. **Physiotherapy** 1980 Aug;66(8):271–3

Open-ended participation questions in sport and physical recreation surveys: a possible sex bias. Smith SL, et al. **Res Q Exerc Sport** 1980 Dec;51(4):732–7

Findings at a re-examination of a self-administered questionnaire after two and a half years in a sample of sixty-year-old men. Skarfors E, et al. **Scand J Soc Med** 1980;8(3):137–9

[Questionnaire of the functionality of the family (author's transl)] Dunovský J, et al. **Cas Lek Cesk** 1981 May 21; 120(20):610–5 (Eng. Abstr.) **(Cze)**

[The inventory of life events of the adolescent--ILEA (author's transl)] Vojtík V, et al. **Cesk Psychiatr** 1980 Oct; 76(5):304–8 (Eng. Abstr.) **(Cze)**

[Prognosis for drug utilization during the 7th 5-year-plan and the long-term perspective to 1995 as elaborated by the Delphi technic] Honzáková L, et al. **Cesk Zdrav** 1981 Feb;29(2):42–53 (Eng. Abstr.) **(Cze)**

[Methodologic presentation and representative examination] Doan BD. **Cah Sociol Demogr Med** 1980 Jan–Mar; 20(1):7–19 **(Fre)**

[The quantitative alimentary questionnaire technique used by the I.N.S.E.R.M. nutrition department (author's transl)] Cubeau J, et al. **Rev Epidemiol Sante Publique** 1980 Oct 30;28(3):367–72 (Eng. Abstr.) **(Fre)**

[Initial experience with a new questionnaire within the framework of the preoperative diagnos s of incontinence] Riss P, et al. **Gynaekol Rundsch** 1980 Jun;20 Suppl 2:212–6 **(Ger)**

[Investigation of demands in data and text processing by an ergonomic job description questionnaire (DT-EIJDQ) (author's transl)] Haider E, et al.
Int Arch Occup Environ Health 1980;46(3):203–17 (Eng. Abstr.) **(Ger)**

[Selected aspects for the interpretation of medical questionnaires with special regard to electronic data processing (EDV)] Jandok W, et al.
Z Aerztl Fortbild (Jena) 1980 Sep 1;74(17):811–4 **(Ger)**

[A survey of knowledge about beta blockaders among physicians and medical students] Forgács I, et al.
Orv Hetil 1980 Oct 26;121(43):2623–7 **(Hun)**

[Evaluation of the recuperability of schizophrenic patients based on serial use of IPSS questionnaires] Sîrbu A, et al.
Rev Med Interna [Neurol Psihiatr] 1981 Jan–Mar; 26(1):43–52 **(Rum)**

[Influence of chance in the results of two different types of multiple choice questionnaires (author's transl)] Lisker R, et al. **Rev Invest Clin** 1980 Jul–Sep;32(3):317–9 **(Spa)**

STANDARDS

[The problem of non-responses in a population surveillance] Widmer D. **Soz Praeventivmed** 1980 Sep;25(4):211–2 **(Fre)**

QUEUING THEORY see **SYSTEMS THEORY**

QUINACRINE

The effect of ionic strength on DNA-ligand unwinding angles for acridine and quinoline derivatives. Jones RL, et al. **Nucleic Acids Res** 1980 Apr 11;8(7):1613–24

Quinacrine mustard: a fluorescent platelet label. In vitro studies and in vivo localisation in Habu venom glomerulonephritis in rats. Bates SA, et al. **Thromb Res** 1980 Nov 1;20(3):315–24

ADMINISTRATION & DOSAGE

Quinacrine hydrochloride pellets: preliminary data on a nonsurgical method of female sterilization. Zipper J, et al. **Int J Gynaecol Obstet** 1980;18(4):275–9

ADVERSE EFFECTS

Quinacrine hydrochloride drug eruption (tropical lichenoid dermatitis). Its early and late sequelae and its malignant potential: a review. Bauer F. **J Am Acad Dermatol** 1981 Feb;4(2):239–48

Toxic psychosis following use of quinacrine. Lindenmayer JP, et al. **J Clin Psychiatry** 1981 Apr;42(4):162–4

BLOOD

Platelet dense bodies loaded with mepacrine. Study in chronic idiopathic thrombocytopenic purpura (ITP). Hourdille P, et al. **Thromb Haemost** 1980 Jul 15; 43(3):208–10

DIAGNOSTIC USE

Juxtaglomerular cell activity during hemorrhage and ischemia as revealed by quinacrine histofluorescence. Alund M. **Acta Physiol Scand** 1980 Oct;110(2):113–21

The use of sequential silver and quinacrine staining to determine the parental origin and breakpoints of a ring-22 human chromosome. Fowler G, et al. **Clin Genet** 1980 Oct; 18(4):274–9

Platelet abnormalities in thermal injury. Study of platelet-dense bodies stained with mepacrine. Hourdille P, et al. **Haemostasis** 1981;10(3):141–52

METABOLISM

The distribution of quinacrine on chromosomes as determined by X-ray microanalysis. I. Q-bands on CHO chromosomes. Sumner AT. **Chromosoma** 1981;82(5):717–34

Release of [14C]quinacrine from peripheral and central nerves. Alund M, et al. **J Auton Nerv Syst** 1980 Oct; 2(3):281–94

Modifications of biochemical parameters in blood platelets of schizophrenic and depressive patients. Giret M, et al. **Neuropsychobiology** 1980;6(5):290–6

PHARMACODYNAMICS

Effects of several lipidosis-including drugs upon the area postrema and adjacent medullary nuclei of adult rats. I. Alterations is perikarya and dendrites. Frisch W, et al.
Acta Neuropathol (Berl) 1980;52(3):179–87

Effects of several lipidosis-inducing drugs upon the area postrema and adjacent medullary nuclei of adult rats. II. Axonal alternations. Frisch W, et al.
Acta Neuropathol (Berl) 1981;53(1):41–50

Sensitivity of cells in exponential and stationary growth phase to combined treatment with radiation and quinacrine. Midander J, et al. **Acta Radiol Oncol Radiat Phys Biol** 1980; 19(4):245–9

Antagonism of calmodulin by local anesthetics, mepacrine, and propranolol. Volpi M, et al. **Ann NY Acad Sci** 1980; 356:441–2

Biphasic actions of chiorpromazine and mepacrine on modulation of hepatic cell injury in the perfused cat liver. Araki H, et al. **Arch Int Pharmacodyn Ther** 1981 Jan; 249(1):116–25

Mepacrine treatment prevents immobilization-induced desensitization of beta-adrenergic receptors in rat hypothalamus and brain stem. Torda T, et al.
Brain Res 1981 Feb 2;205(2):441–4

Effect of quinacrine on nuclear structure and RNA synthesis in cultured rat hepatocytes. Leduc EH, et al.
Cancer Res 1981 Jul;41(7):2832–41

Chemical occlusion of rhesus vas with quinacrine & its spontaneous reversal. Malaviya B, et al.
Indian J Exp Biol 1980 Nov;18(11):1296–7

Nonsurgical female sterilization. Laufe LE, et al.
Int J Gynaecol Obstet 1980;18(5):334–9 (19 ref.)

Inhibition of oxidative hemolysis and lipid peroxidation by mepacrine. Nagai J, et al. **J Biochem (Tokyo)** 1981 Apr; 89(4):1143–8

Further investigations on Bernard-Soulier platelet abnormalities. Rendu F, et al. **J Lab Clin Med** 1981 May; 97(5):689–99

Inhibition of lymphocyte transformation by mepacrine and chloroquine. Trist DG, et al. **J Pharm Pharmacol** 1981 Jul; 33(7):434–8

Quinacrine-blocked desensitization of adrenoceptors after immobilization stress or repeated injection of isoproterenol in rats. Torda T, et al. **J Pharmacol Exp Ther** 1981 Feb; 216(2):334–8

Quinacrine (mepacrine) action at frog end-plate. Adams PR, et al. **J Physiol (Lond)** 1980 Sep;306:261–81

End-plate channel opening and the kinetics of quinacrine (mepacrine) block. Adams PR, et al. **J Physiol (Lond)** 1980 Sep;306:283–306

Local anesthetics, mepacrine, and propranolol are antagonists of calmodulin. Volpi M, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):795–9

[Intensification of the inhibitory effect of X-rays on the growth of Ehrlich ascites tumor cells in monolayer culture by quinacrine (atebrine) or chloroquine (resochine) (author's transl)] Biller H, et al. **Strahlentherapie** 1980 Aug; 156(8):547–53 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Furazolidone and quinacrine. Comparative study of therapy for giardiasis in children. Craft JC, et al.
Am J Dis Child 1981 Feb;135(2):164–6

Comment on Parasitic diseases [letter] Kinsella JM, et al.
Drug Intell Clin Pharm 1981 Jul–Aug;15(7–8):603–4

Antimalarial therapy for lupus erythematosus: an apparent advantage of quinacrine. Zuehlke RL, et al.
Int J Dermatol 1981 Jan–Feb;20(1):57–61

Treatment of giardiasis in children with quinacrine, metronidazole, tinidazole and ornidazole. Sabchareon A, et al. **Southeast Asian J Trop Med Public Health** 1980 Jun; 11(2):280–4

Mepacrine--ineffective in onchocerciasis. Kale OO.
Tropenmed Parasitol 1980 Sep;31(3):365–6

[Therapeutic results of an intercalating substance (quinacrine) in herpetic keratitis] Fodor F, et al.
Rev Chir [Oftalmol] 1981 Jan–Mar;25(1):35–8 **(Rum)**

QUINACRINE MUSTARD see under **QUINACRINE**

QUINALBARBITONE see **SECOBARBITAL**

QUINALDINES see under **QUINOLINES**

QUINAZOLINES

Fluproquazone (Tormosyl). **Arzneimittelforsch** 1981; 31(5a):871–940

ADMINISTRATION & DOSAGE

Influence of oral prazosin therapy on exercise hemodynamics in patients with severe chronic heart failure. Chatterjee K, et al. **Am J Med** 1981 Jul;71(1):140–6

Prazosin and congestive heart failure: short- and long-term therapy. Rouleau JL, et al. **Am J Med** 1981 Jul;71(1):147–52

Long-term maintenance therapy with prazosin in congestive heart failure. Mehta J, et al. **Clin Cardiol** 1981 May; 4(3):139–45

Acute and chronic cardiocirculatory effects of oral prazosin in chronic refractory heart failure. Hayashi H, et al.
Jpn Heart J 1980 Nov;21(6):827–36

Continuous blood pressure measurement in ambulatory patients in the assessment of prazosin regimens. Hunyor SN, et al. **Med J Aust** 1980 Jul 26;2 Suppl 1:15–7

Use of dopamine and prazosin combined in the treatment of cardiogenic shock. Oliver LE, et al. **Med J Aust** 1980 Jul 26;2 Suppl 1:42–5

[The effects of infusion rate of Changrolin on drug concentration in blood and ECG (author's transl)] Qu ZX, et al. **Yao Hsueh Hsueh Pao** 1980;15(8):449–55 (Eng. Abstr.) **(Chi)**

[Thermodiagnostic assessment of the trimepranol - prazosin combination in arterial hypertension (author's transl)] Kadeřávek F. **Cas Lek Cesk** 1981 Jan 22;120(2):47–51 (Eng. Abstr.) **(Cze)**

[Minipress in the treatment of hypertension in combination with trimepranol made by Spofa. Results of a clinical study] Vambera M. **Vnitr Lek** 1980 Aug;26(8):792–5 (Eng. Abstr.) **(Cze)**

[Flow measurement characteristics in heart patients after the acute and protracted administration of 2 vasoactive drugs: prazosin hydrochloride and isosorbide dinitrate] Bartolo M, et al. **Boll Soc Ital Cardiol** 1979;24(9):1033–7 **(Ita)**

[Evaluation of long-term treatment with isosorbide dinitrate and prazosin in cardiac insufficiency] Franchi F, et al.
Clin Ter 1980 Apr 15;93(1):3–20 (Eng. Abstr.) **(Ita)**

ADVERSE EFFECTS

Controlled comparison of gastric lesions and gastrointestinal blood loss with fluproquazone and acetylsalicylic acid (ASA) in healthy subjects. Gillberg RE, et al.
Arzneimittelforsch 1981;31(5a):936–7 **(Eng, Ger)**

Hypothermia: a possible side effect of prazosin. de Leeuw PW, et al. **Br Med J** 1980 Nov 1;281(6249):1181

Orthostatic hypotension after the first administration of prazosin in hypertensive patients: role of the plasma volume. Semplicini A, et al.
Clin Exp Pharmacol Physiol 1981 Jan;8(1):1–10

Immediate cardiovascular responses to oral prazosin--effects of concurrent beta-blockers. Elliott HL, et al.
Clin Pharmacol Ther 1981 Mar;29(3):303–9

A possible mechanism for 'tachyphylaxis' to prazosin in heart failure [letter] Ikram H, et al. **NZ Med J** 1980 Oct 22; 92(670):327

ANALYSIS

An automated fluorimetric method for the determination of fluproquazone in plasma and urine. Pacha W, et al.
Arzneimittelforsch 1981;31(5a):893–6

Analysis of the anti-coccidial drug, halofuginone, in chicken tissue and chicken feed using high-performance liquid chromatography. Anderson A, et al. **J Chromatogr** 1981 Aug 7;212(3):347–55

Enzymatic assays for 2,4-diamino-5-methyl-6-[(3,4,5-trimethoxyanilino)methyl a promising new 'nonclassical' antifolate. Heusner JJ, et al. **J Pharm Sci** 1981 Jul;70(7):827–8

BLOOD

Absence of effect of heparin on the binding of prazosin and phenytoin to plasma proteins. Giacomini KM, et al.
Biochem Pharmacol 1980 Dec;29(24):3337–40

Pharmacokinetics of prazosin in normotensive subjects after low oral doses. Dynon MK, et al. **Clin Pharmacokinet** 1980 Nov-Dec;5(6):583–90

Determination of polythiazide and prazosin in human plasma by high-performance liquid chromatography. Dokladalova J, et al. **J Chromatogr** 1981 Jun 12;224(1):33–41

High-performance liquid chromatography of the oral anti-asthmatic agent pirquinozol and its active metabolite. Kirschbaum J, et al. **J Chromatogr** 1980 Nov 21;200:282–7

High-performance liquid chromatographic determination of prazosin in human plasma, whole blood and urine. Lin ET, et al. **J Chromatogr** 1980 Sep 12;183(3):367–71

Quantification of prazosin in plasma by high-performance liquid chromatography. Reece PA. **J Chromatogr** 1980 Nov 14;221(1):188–92

Determination of the vasodilator UK33274 by high-performance liquid chromatography using fluorescence detection. Rubin PC, et al. **J Chromatogr** 1980 Nov 14;221(1):193–5

Radioimmunoassay and plasma concentrations of the anti-allergenic agent, 2-methoxy-11-oxo-11-H-pyrido[2,1-b]quinazoline-8-car acid in man. Dixon R, et al.
Res Commun Chem Pathol Pharmacol 1980 Oct; 30(1):163–70

CHEMICAL SYNTHESIS

Potential biologically active agents, XXVII: Synthesis of some 4-substituted phenylmercaptoacetic acids. Varma RS, et al. **Arch Pharm (Weinheim)** 1981 Feb;314(2):97–103

Cyclic guanidines. IX. Synthesis of

2-amino-3,4-dihydroquinazolines as blood platelet aggregation inhibitors. Ishikawa F, et al. **Chem Pharm Bull (Tokyo)** 1980 May;28(5):1357-64

A potent antitumour quinazoline inhibitor of thymidylate synthetase: synthesis, biological properties and therapeutic results in mice. Jones TR, et al. **Eur J Cancer** 1981 Jan; 17(1):11-9

Synthesis and antimalarial effects of N2-aryl-N4-[(dialkylamino)alkyl]- and N4-aryl-N2-[(dialkylamino)alkyl]-2,4-quinazolinediamine Elslager EF, et al. **J Med Chem** 1981 Feb;24(2):127-40

Synthesis and adrenergic blocking effects of 2-(alkylamino)-3,4-dihydroquinazolines. Grosso JA, et al. **J Med Chem** 1980 Nov;23(11):1261-4

Search for potential anticonvulsant agents. Synthesis of 2-phenyl/methyl-3-[o-, m- or p-(benzimidazol-2'-yl)phenyl]-6 or 6,8-substituted/unsubstituted quinazolin(3H)-4-ones. Misra VS, et al. **Pharmazie** 1980;35(7):400-1

Preparation and biological activity of some 2-substituted 3-(4'carboxyphenyl)-7-nitro-4 (3H)-quinazolinones. Varma RS, et al. **Pol J Pharmacol Pharm** 1980;32(5):801-6

[Studies on antimalarials. III. Synthesis and antimalarial activities of some derivatives of 2,4-diamino-6-substituted piperazinyl quinazolines (author's transl)] Zhang XP, et al. **Yao Hsueh Hsueh Pao** 1981 Jun;16(6):415-24 **(Chi)**

[Chemical and pharmacological research on derivatives of 2,7-substituted 5H-1,3,4-thia(oxa)diazol[2,3-b]quinazolin-5-one] Russo F, et al. **Farmaco [Sci]** 1981 Apr;36(4):292-301 (Eng. Abstr.) **(Ita)**

METABOLISM

The biotransformation of fluproquazone in man and several animal species. Orwig BA, et al. **Arzneimittelforsch** 1981; 31(5a):904-11

Absorption, distribution, and excretion of fluproquazone in several animal species. Williams JI, et al. **Arzneimittelforsch** 1981;31(5a):897-904

Disposition of anagrelide, an inhibitor of platelet aggregation. Gaver RC, et al. **Clin Pharmacol Ther** 1981 Mar;29(3):381-6

Tissue distribution of [3H]centpiperalone after oral administration. Mukerjee SS, et al. **Indian J Biochem Biophys** 1980 Oct;17(5):399-401

Clinical pharmacology of prazosin in hypertensive patients with chronic renal failure. Chaignon M, et al. **J Cardiovasc Pharmacol** 1981 Jan-Feb;3(1):151-60

Pharmacokinetic and pharmacodynamic studies with prazosin in chronic heart failure. Silke B, et al. **J Cardiovasc Pharmacol** 1981 Mar-Apr;3(2):329-35

Protein binding and erythrocyte partitioning of the antirheumatic proquazone. Roos A, et al. **J Pharm Sci** 1981 Mar;70(3):252-7

Absorption and distribution of vasicine a novel uterotonic. Zutshi U, et al. **Planta Med** 1980 Dec;40(4):373-7

PHARMACODYNAMICS

Competitive blockade of alpha-adrenergic receptors in rat heart by prazosin. Skomedal T, et al. **Acta Pharmacol Toxicol (Copenh)** 1980 Sep;47(3):217-22

Heart rate response to oral prazosin in patients with chronic congestive heart failure [letter] Elkayam U. **Am J Cardiol** 1980 Oct;46(4):704

Inhibition of renin secretion by intrarenal alpha-adrenoceptor blockade. Blair ML. **Am J Physiol** 1981 Jun;240(6):E682-8

Prazosin protects vascular alpha-adrenoceptors against irreversible blockade by phenoxybenzamine. Greif J, et al. **Arch Int Pharmacodyn Ther** 1980 Mar;244(1):41-7

Effect of prazosin on aqueous humor dynamics in rabbits. Krupin T, et al. **Arch Ophthalmol** 1980 Sep;98(9):1639-42

Effects of fluproquazone on platelet aggregation in man. Beveridge T, et al. **Arzneimittelforsch** 1981;31(5a):937-40

The pharmacodynamic properties of fluproquazone. Hill RC, et al. **Arzneimittelforsch** 1981;31(5a):873-82

New chemotherapeutic nitroheterocycles active against 5-nitroimidazole-resistant strains of trichomonads. Meingassner JG, et al. **Arzneimittelforsch** 1981;31(1):6-8

Target and non-target metabolic effects of aminofolates and of a 5-methylquinazoline antifolate in mouse cells. Grzelakowska-Sztabert B, et al. **Biochem Pharmacol** 1980 Oct 15;29(20):2741-9

Effect of vasodilator drugs on exercise performance in cardiac failure. Comparison of hydralazine and prazosin. Fitchett DH, et al. **Br Heart J** 1980 Aug;44(2):215-20

Clinical pharmacology of prazosin: further discussion [letter] Barbieri C, et al. **Br J Clin Pharmacol** 1981 Mar;11(3):314-5

The effect of prazosin on the guinea-pig ileum. Fagbemi SO, et al. **Br J Pharmacol** 1980 Nov;70(3):395-402

Prazosin does not alter canine renin release in response to systemic hypotension or intrarenal isoprenaline and prostaglandin I2 infusion. Gerber JG, et al. **Br J Pharmacol** 1980;71(2):533-7

Increased ouabain binding after repeated noradrenergic stimulation. Swann AC, et al. **Brain Res** 1981 Jun 1; 213(2):481-5

In vitro comparison of the pre- and postsynaptic alpha adrenergic receptor blocking properties of prazosin and tiodazosin (BL5111). Cohen ML, et al. **Clin Exp Hypertens** 1980;2(6):1067-82

Correlation between decreased heart rate and central inhibition of sympathetic discharge after prazosin administration in the spontaneously hypertensive rat. Persson B, et al. **Clin Exp Hypertens** 1981;3(2):245-55

Physiologic mechanisms opposing the hemodynamic effects of prazosin. Izzo JL Jr, et al. **Clin Pharmacol Ther** 1981 Jan;29(1):7-11

Plasma renin activity and plasma concentrations of norepinephrine and cyclic nucleotides in heart failure after prazosin. Ogasawara B, et al. **Clin Pharmacol Ther** 1981 Apr;29(4):464-71

Effect of prazosin on renal function in congestive heart failure. Pierpont GL, et al. **Clin Pharmacol Ther** 1980 Sep; 28(3):335-9

Alpha adrenoceptor blockade with oral prazosin. Pitterman AB, et al. **Clin Pharmacol Ther** 1981 Feb;29(2):143-8

Alpha adrenergic blockade by prazosin in therapy of essential hypertension. Ram CV, et al. **Clin Pharmacol Ther** 1981 Jun;29(6):719-22

Prazosin selectively inhibits the responses to field stimulation in the rat vas deferens. Doggrell SA. **Eur J Pharmacol** 1981 May 22;71(4):447-53

Prazosin increases paradoxical sheep. Hilakivi I, et al. **Eur J Pharmacol** 1980 Aug 8;65(4):417-20

Effects of prazosin on autonomic control of circulation in essential hypertension. Mancia G, et al. **Hypertension** 1980 Sep-Oct;2(5):700-7

Drug interactions between centazolone & some centrally acting agents. Sethi U, et al. **Indian J Exp Biol** 1981 Mar; 19(3):241-4

Monoamine oxidase inhibitory activity of 2-aryl-3-(5'-chlorobenzophenon-2'-yl)-quinazolin-4-(3H [letter] Srivastava VK, et al. **Indian J Physiol Pharmacol** 1980 Oct-Dec;24(4):361-3

Effects of prazosin on isolated human urethra and in patients with lower motor neurons lesions. Andersson KE, et al. **Invest Urol** 1981 Jul;19(1):39-42

The alpha-adrenergic blocking action of prazosin hydrochloride on the canine urethra. MacGregor RJ, et al. **Invest Urol** 1981 May;18(8):426-9

Pyrazolo[5,1-b]quinazolin-9-ones: a new series of antiallergic agents. Sircar JC, et al. **J Med Chem** 1981 Jun;24(6):735-42

Uterotonic effect of Evodia rutaecarpa alkaloids. King CL, et al. **J Nat Prod** 1980 Sep-Oct;43(5):577-82

Correlation between monoamine oxidase inhibitors and anticonvulsants. Dwivedi C, et al. **J Natl Med Assoc** 1980 Oct;72(10):953-5

Cardiovascular effects of 2-(NN-dimethyl)amino-6,7-dihydroxy-1,2,3,4 tetrahydronaphthalene in pithed rats: differential antagonism by yohimbine and prazosin. Hicks PE, et al. **J Pharm Pharmacol** 1980 Nov;32(11):786-8

Synthesis and evaluation of substituted quinazolone derivatives for antibacterial, antifungal, and antiacetylcholinesterase activities. Gupta AK, et al. **J Pharm Sci** 1980 Nov;69(11):1313-7

Effects of yohimbine and prazosin on water balance in dogs with diabetes insipidus. Montastruc JL, et al. **J Pharmacol** 1980 Oct-Dec;11(4):441-8

Antiallergic properties of SQ 13,847, an orally effective agent. I. Activity in vivo. Casey FB, et al. **J Pharmacol Exp Ther** 1980 Jun;213(3):432-6

Antiallergic properties of SQ 13,847, an orally effective agent. II. Activity in vitro. Free CA, et al. **J Pharmacol Exp Ther** 1980 Jun;213(3):437-40

Effects and mechanism of action of trimazosin on coronary and left ventricular dynamics in conscious dogs. Macho P, et al. **J Pharmacol Exp Ther** 1981 May;217(2):333-9

In vivo selectivity of prazosin but not of WB4101 for postsynaptic alpha-1 adrenoceptors. Massingham R, et al. **J Pharmacol Exp Ther** 1981 May;217(2):467-74

Acute tolerance to prazosin in conscious hypertensive rats: involvement of the renin-angiotensin system. Smith RD, et al. **J Pharmacol Exp Ther** 1981 May;217(2):397-405

Effects of alpha blockers on blood pressure and on the Ca-contracture of cat aortic strips. Hoshi K, et al. **Jpn J Pharmacol** 1980 Aug;30(4):427-35

alpha-Adrenoceptor blocking properties of a new antihypertensive agent, 2-[4-(n-butyryl)-homopiperazine-1-yl]-4-amino-6,7-dim (E-643). Shoji T, et al. **Jpn J Pharmacol** 1980 Dec; 30(6):763-72

Bronchodilator action of prazosin [letter] Marlin GE, et al. **Lancet** 1981 Jan 24;1(8213):225

The pharmacology of prazosin, a novel antihypertensive agent. Cavero I, et al. **Life Sci** 1980 Oct 27;27(17):1525-40 (120 ref.)

Evidence for nonclassical alpha adrenoceptor blockade by prazosin in isolated rabbit blood vessels. Purdy RE, et al. **Life Sci** 1980 Dec 8;27(23):2187-95

Aspects of the pharmacology of prazosin. Davey MJ. **Med J Aust** 1980 Jul 26;2 Suppl 1:4-8

Prazosin-induced haemodynamic modification in human hypertension. Evidence from strain-gauge plethysmography. Part II. Romano S, et al. **Methods Find Exp Clin Pharmacol** 1981 Jan-Feb;3(1):13-5

Prazosin-induced vasodilatation of muscle blood vessels in human hypertension. Evidence from strain-gauge plethysmography. Part I. Scarpelli PT, et al. **Methods Find Exp Clin Pharmacol** 1981 Jan-Feb;3(1):9-12

Cardiovascular activity of some quinazolone derivatives. Agarwal JC, et al. **Pharmacol Res Commun** 1981 Jan; 13(1):49-63

Anagrelide: inhibitor of collagen and forming immune complex induced platelet aggregation and release. Clark WF, et al. **Thromb Res** 1981 Jan 1-15;21(1-2):215-9

Comparison of sulfinpyrazone and BL-3459 with S - 20344, a potent new antithrombotic agent. Vigdahl RL, et al. **Thromb Res** 1981 Mar;21(6):547-55

The alpha-adrenergic blocking effect of prazosin on the human prostate. Shapiro A, et al. **Urol Res** 1981 Mar 17; 9(1):17-20

[Correlations between the pharmacological effects of menilon and its concentrations in the plasma and brain of experimental animals] Stefanova D, et al. **Eksp Med Morfol** 1980;19(3):159-65 (Eng. Abstr.) **(Bul)**

[Cardiovascular effect of a new antiarrhythmic drug--changrolin (author's transl)] Chen WZ, et al. **Yao Hsueh Hsueh Pao** 1979 Dec;14(12):710-4 (Eng. Abstr.) **(Chi)**

[Studies on the mechanism of sporontocidal effect of nitroquine (CI-679) on P. gallinaceum (author's transl)] Wang XX, et al. **Yao Hsueh Hsueh Pao** 1981 May; 16(5):334-41 (Eng. Abstr.) **(Chi)**

[The hemodynamic effects of oral prazosine and intravenous nicergoline in heart failure (author's transl)] Pornin M, et al. **Ann Cardiol Angeiol (Paris)** 1980 Jul-Sep;29(5):379-84 (Eng. Abstr.) **(Fre)**

[Antianaphylactic effects of 2-hydrazino-3-arylquinazol-4-ones and 4-aryl-5-oxo-4,5-dihydro-s-triazolo[4,3-a]quinazolines] Renner H, et al. **Pharmazie** 1980 Dec;30(12):801-2 **(Ger)**

[Enhanced alpha adrenoreceptor-mediated vasoconstrictor component in essential hypertension] Amann FW, et al. **Schweiz Med Wochenschr** 1980 Dec 13;110(50):1941-4 (Eng. Abstr.) **(Ger)**

[Effects of acute and chronic vasodilator administration on hemodynamics and catecholamine concentration in chronic left heart failure (author's transl)] Klein W, et al. **Z Kardiol** 1980 Feb;69(2):120-5 (Eng. Abstr.) **(Ger)**

[The development of weaned piglets experimentally infected with Isospora suis as a model for the effect of lasalocid and halofuginone on coccidia (author's transl)] Matuschka FR, et al. **Zentralbl Bakteriol [A]** 1981 Feb;248(4):565-74 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Prazosin and ANA [letter] Bainbridge CV. **Am Fam Physician** 1981 Aug;24(2):41-2

Management of refractory congestive heart failure with prazosin. Awan NA, et al. **Am Heart J** 1981 Sep;102(3 Pt 2):626-34 (32 ref.)

Ambulatory prazosin treatment of chronic congestive heart failure: development of late tolerance reversible by higher dosage and interrupted substitution therapy. Awan NA, et al. **Am Heart J** 1981 May;101(5):541-7

Oral vasodilator therapy with prazosin in severe congestive heart failure. Awan NA, et al. **Am Heart J** 1981 May; 101(5):695-700

Sustained effectiveness of chronic prazosin therapy in severe chronic congestive heart failure. Bertel O, et al. **Am Heart J** 1981 May;101(5):529-33

Clinical, hemodynamic, and neuroendocrine effects of chronic prazosin therapy for congestive heart failure. Colucci WS, et al. **Am Heart J** 1981 Sep;102(3 Pt 2):615-21 (22 ref.)

Beneficial hemodynamic response to chronic prazosin therapy in congestive heart failure. Feldman RC, et al. **Am Heart J** 1981 May;101(5):534-40

Hemodynamic effects of prazosin in chronic heart failure. Parmley WW, et al. **Am Heart J** 1981 Sep;102(3 Pt 2):622-5

Positive inotropic effects of hydralazine in human subjects: comparison with prazosin in the setting of congestive heart failure. Leier CV, et al. **Am J Cardiol** 1980 Dec 1; 46(6):1039-44

Therapeutic application of prazosin in chronic refractory congestive heart failure. Tolerance and 'tachyphylaxis' in perspective. Awan NA, et al. **Am J Med** 1981 Jul; 71(1):153-60

Improved right ventricular function and reduced pulmonary vascular resistance during prazosin therapy of congestive heart failure. Colucci WS, et al. **Am J Med** 1981 Jul; 71(1):75-80

Symposium on Congestive Heart Failure. Introduction. Conti CR. **Am J Med** 1981 Jul;71(1):131-4

Increase in plasma norepinephrine during prazosin therapy for chronic congestive heart failure. Stein L, et al. **Am J Med** 1981 Apr;70(4):825-32

Prazosin enhances the antihypertensive effects of beta-blockers during isometric and dynamic exercise. Aärynen M, et al. **Ann Clin Res** 1981 Apr;13(2):71-6

Increased plasma norepinephrine levels during prazosin therapy for severe congestive heart failure. Colucci WS, et al. **Ann Intern Med** 1980 Sep;93(3):452-3

Prazosin and hydralazine in congestive heart failure. Regional hemodynamic effects in relation to dose. Magorien RD, et al. **Ann Intern Med** 1981 Jul;95(1):5-13

Antipyretic activity of fluproquazone in man. Fankhauser S, et al. **Arzneimittelforsch** 1981;31(5a):934-5

Comparison of the analgesic efficacy of fluproquazone, propoxyphene and paracetamol in post-hysterectomy pain. Short communication. Frerich D, et al. **Arzneimittelforsch** 1981;31(5a):925-7

Comparison of the analgesic efficacy of fluproquazone, pentazocine and placebo against postoperative pain in neurosurgical patients. short communication. Hopfner R.

Arzneimittelforsch 1981;31(5a):927–9
Fluproquazone in the management of strains and sprains. Jaegemann V, et al. **Arzneimittelforsch** 1981;31(5a):929–31
Clinical evaluation of fluproquazone in post-operative pain. A report of double-blind comparative trials in patients after surgical interventions. Lataste X, et al.
Arzneimittelforsch 1981;31(5a):920–4
Comparative study of fluproquazone in the management of post-operative pain. Mohing W, et al.
Arzneimittelforsch 1981;31(5a):918–20
Fluproquazone: analgesic activity in outpatients with non-migrainous headache. Wood AJ, et al.
Arzneimittelforsch 1981;31(5a):914–7
Prazosin in the treatment of severe chronic congestive cardiac failure. Hockings BE, et al. **Aust NZ J Med** 1980 Aug;10(4):420–5
Acute and chronic haemodynamic effects of prazosin in left ventricular failure. Stein L, et al. **Br Heart J** 1981 Feb; 45(2):186–92
Double-blind cross-over comparison of hydralazine and prazosin in hypertensive subjects on a beta-adrenoceptor blocking agent (atenolol). Jones JV, et al.
Br J Clin Pharmacol 1980 Nov;10(5):531–3
Orthostatic hypotension after the first administration of prazosin in hypertensive patients: role of the plasma volume. Semplicini A, et al.
Clin Exp Pharmacol Physiol 1981 Jan;8(1):1–10
Dynamic responses to continuous use of prazosin and hydralazine in patients with refractory heart failure. Elkayam U, et al. **Clin Pharmacol Ther** 1981 Jul;30(1):23–30
Combined antihypertensive therapy: vasodilatation using prazosin in combination with beta-adrenoceptor blockers and diuretics. Urban Waern A. **Curr Med Res Opin** 1980; 7(1):28–32
Monoamine metabolites in cerebrospinal fluid during treatment of hypertension with prazosin. Seideman P, et al. **Eur J Clin Pharmacol** 1980 Nov;18(5):399–401
Effect of centpiperalone in insulin deficient diabetes. Chatterjee AK, et al. **Indian J Exp Biol** 1980 Sep; 18(9):1005–8
A single blind crossover study of prazosin and methyldopa in hypertension. Misra NP, et al.
J Assoc Physicians India 1980 Nov;28(11):411–7
An evaluation of the analgesic efficacy of proquazone and aspirin in postoperative dental pain. Forbes JA, et al.
J Clin Pharmacol 1980 Jul;20(7):465–74
Prazosin treatment of ergotamine-induced peripheral ischemia. Cobaugh DS. **JAMA** 1980 Sep 19;244(12):1360
Prazosin as bronchodilator [letter] Barnes P. **Lancet** 1981 Feb 14;1(8216):391
The acute and chronic haemodynamic effects of prazosin in severe congestive cardiac failure. Harper RW, et al.
Med J Aust 1980 Jul 26;2 Suppl 1:36–8
Prediction of response to antihypertensive therapy with prazosin. MacCarthy EP, et al. **Med J Aust** 1980 Jul 26; 2 Suppl 1:12–4
Rest and exercise haemodynamic patterns with chronic prazosin or beta-blocker therapy in hypertensive cardiomegaly. Nelson GI, et al. **Med J Aust** 1980 Jul 26; 2 Suppl 1:39–41
Prazosin in renal impairment. Stokes GS, et al.
Med J Aust 1980 Jul 26;2 Suppl 1:9–11
Role of prazosin in moderate hypertension. Challener WA 3d. **Mo Med** 1980 Oct;77(10):614–8
Four to seven-year follow-up of patients on prazosin. New Zealand Hypertension Study Group. **NZ Med J** 1980 Nov 12;92(671):341–2
Prazosin in general practice. Musgrove JP. **NZ Med J** 1981 Mar 11;93(679):156–8
Proquazone ('Biarison') in osteoarthritis of the knee: a double-blind, dose comparison trial. Serry MM.
Pharmatherapeutica 1980;2(5):323–9
Measurement of the effects of a single dose of prazosin on the cerebral blood flow in hypertensive patients. Rutland MD, et al. **Postgrad Med J** 1980 Dec;56(662):818–22
Comparison between fluproquazone and indomethacin in treatment of primary dysmenorrhoea. Ylikorkala O, et al.
Prostaglandins Med 1981 Feb;6(2):217–21
The management of hypertension in pregnancy [letter] Lubbe WF. **S Afr Med J** 1981 Mar 7;59(10):320–2
Prazosin HCl in treating hypertension associated with pheochromocytoma. Fleming DA, et al. **South Med J** 1981 Aug;74(8):1010–5
[Thermodiagnostic evaluation of prazosin effects in arterial hypertension (author's transl)] Kadeřávek F.
Cas Lek Cesk 1980 Nov;119(47):1279–83 (Eng. Abstr.) **(Cze)**
[Echocardiographic evaluation of the effect of prazosin in aortic insufficiency (author's transl)] Koudelková E, et al.
Cas Lek Cesk 1980 Dec 26;119(52):1436–40 (Eng. Abstr.) **(Cze)**
[Antihypertensive effects of hydroflumethiazide and prazosin] Andersen GS. **Ugeskr Laeger** 1980 Jun 9; 142(24):1555–7 (Eng. Abstr.) **(Dan)**
[Hemodynamic effects of prazosin in chronic congestive heart failure] Bassand JP, et al. **Arch Mal Coeur** 1980 Jun; 73(6):747–56 (Eng. Abstr.) **(Fre)**
[Variable acute effects of prazosin on left ventricular failure (author's transl)] Hepp A, et al. **Dtsch Med Wochenschr** 1980 Nov 21;105(47):1647–50 (Eng. Abstr.) **(Ger)**
[Prazosin long-term treatment in severe chronic cardiac failure (author's transl)] Kuck KH, et al.
Dtsch Med Wochenschr 1980 Oct 3;105(40):1384–8 (Eng. Abstr.) **(Ger)**
[Orally active vasodilators in the management of chronic treatment-resistant cardiac failure (author's transl)] Wirtzfeld A, et al. **Dtsch Med Wochenschr** 1980 Oct 3; 105(40):1379–83 (Eng. Abstr.) **(Ger)**
[Vasodilator therapy with alpha-receptor blockaders. Acute and chronic effect of prazosin and phentolamine in congestive heart failure] Kersting F, et al. **Med Welt** 1981 Jun 26;32(26):1040–5 **(Ger)**
[Treatment of vertebral and vetebragenous syndrome with Proquazon] Tschirdewahn B. **Med Welt** 1980 Nov 7; 31(45):1633–5 **(Ger)**
[Chronic administration of prazosin in patients with congestive cardiomyopathy (author's transl)] Kuhn H, et al. **Z Kardiol** 1981 Jul;70(7):501–7 (Eng. Abstr.) **(Ger)**
[Long-term experiences in the treatment of hypertension with prazosin] Abri AR. **ZFA (Stuttgart)** 1980 Aug 31; 56(24):1523–6 **(Ger)**
[Preliminary evaluation of the use of an antihypertensive drug (prazosin hydrochloride)] Caruso G, et al.
Boll Soc Ital Cardiol 1979;24(5):539–44 (Eng. Abstr.) **(Ita)**
[Echocardiographic changes in severe congestive heart failure treated with prazosin] Scandiffo T, et al.
Boll Soc Ital Cardiol 1979;24(6):695–7 **(Ita)**
[Unusual usefulness of prazosin in the diagnosis and preoperative treatment of pheochromocytoma. Considerations on a personal case] Bellini G, et al.
G Clin Med 1981 Jan;62(1):23–33 (Eng. Abstr.) **(Ita)**
[Comparative studies of the effects of the diuretics, fenquizone and chlorthalidone, in arterial hypertension] Bellini G, et al. **G Clin Med** 1981 Feb;62(2):119–28 (Eng. Abstr.) **(Ita)**
[Vasodilator therapy of congestive heart failure: comparison of hemodynamic effects after administration of nitroprusside i.v. and oral prazosin (author's transl)] Mauri F, et al. **G Ital Cardiol** 1980;10(4):414–23 (Eng. Abstr.) **(Ita)**
[Long-term therapy with oral prazosin in chronic congestive heart failure: a clinical and echocardiographic evaluation (author's transl)] Sparvieri F, et al. **G Ital Cardiol** 1980; 10(6):730–40 (Eng. Abstr.) **(Ita)**
[Diuretic therapy in the aged. A clinical comparison between two diuretic compounds] Della Marchina MM, et al.
Minerva Med 1981 Jan 28;72(3):163–6 (Eng. Abstr.) **(Ita)**
[Clinical trial of the activity and therapeutic effectiveness of 3 drugs with diuretic and antihypertensive action] Tiberi F, et al. **Minerva Med** 1981 Jan 21;72(2):95–100 (Eng. Abstr.) **(Ita)**
[Prazosin in the treatment of arterial hypertension. Results of multicenter studies] Chodakowska J.
Pol Arch Med Wewn 1981 Jun;65(6):507–18 (Eng. Abstr.) **(Pol)**
[Prazosin in the treatment of resistant arterial hypertension associated with nephropathy] Cuesta V, et al.
Rev Clin Esp 1981 Apr 25;161(1):37–9 (Eng. Abstr.) **(Spa)**
[Prazosin in heart insufficiency. Short-term hospital clinical trial] Sánchez Domínguez J, et al. **Rev Clin Esp** 1981 Mar 31;160(6):371–6 (Eng. Abstr.) **(Spa)**

TOXICITY

Renal function and laboratory safety parameters after two weeks' administration of fluproquazone to man. Crawford M, et al. **Arzneimittelforsch** 1981;31(5a):912–4
Toxicological evaluation of fluproquazone. Rüttimann G, et al. **Arzneimittelforsch** 1981;31(5a):882–92
The toxicology profile of the anti-inflammatory drug proquazone in animals. Van Ryzin RJ, et al.
Drug Chem Toxicol 1980;3(4):361–79

QUINCKE'S EDEMA see **ANGIONEUROTIC EDEMA**

QUINESTROL see under **NORPREGNATRIENES**

QUINGESTANOL see under **NORPREGNADIENES**

QUINIC ACID

METABOLISM

Cloning the quinic acid (aq) gene cluster from Neurospora crassa: identification of recombinant plasmids containing both qa-2+ and qa-3+. Schweizer M, et al. **Gene** 1981 Jun-Jul;14(1-2):23–32

QUINIDINE

Study of the factors that cause specific transformation in cultures of lymphocytes from patients with quinine- and quinidine-induced immune thrombocytopenia.
Hosseinzadeh PK, et al. **J Clin Invest** 1980 Oct;66(4):638–45
Quinine- and quinidine-dependent antiplatelet antibodies. Requirement of factor VIII-related antigen for platelet damage and for in vitro transformation of lymphocytes from patients with drug-induced thrombocytopenia. Pfueller SL, et al. **J Clin Invest** 1981 Mar;67(3):907–10
[Digoxin and quinidine interaction] Halkin H. **Harefuah** 1980 Mar 2;98(5):232 **(Heb)**

ADMINISTRATION & DOSAGE

Effects of chronic oral quinidine on left ventricular performance. O'Rourke RA, et al. **Am Heart J** 1981 Jun; 101(6):769–73
Quinidine therapy and digitalis toxicity. Manyari DE, et al.
J Am Geriatr Soc 1981 Jan;29(1):31–3
The five fingers of cardiology. Noble RJ, et al.
J Indiana State Med Assoc 1980 Jun;73(6):382–3
Digitalis and quinidine [editorial] **Lancet** 1980 Nov 15; 2(8203):1064–5
[Time of intravenous administration of quinidine as a determinant factor of its electrophysiologic auricular effects] Sánchez-Pérez S, et al. **Arch Inst Cardiol Mex** 1980 Jan-Feb;50(1):25–32 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Prodromal ventricular premature beats preceded by a diastolic wave. Ejvinsson G, et al. **Acta Med Scand** 1980; 208(6):445–50
Hepatosplenomegaly as a manifestation of quinidine hypersensitivity. Rosin AJ, et al. **Age Ageing** 1980 Nov; 9(4):253–6
The digoxin–quinidine interaction: serum protein binding unlikely to be involved. Fichtl B, et al.
Br J Clin Pharmacol 1981 Jan;11(1):94–6
Contact sensitivity to quinidine sulfate from occupational exposure. Wahlberg JE, et al. **Contact Dermatitis** 1981 Jan; 7(1):27–31
Fatal digoxin–quinidine interaction in an elderly woman. Pieroni RE, et al. **J Am Geriatr Soc** 1981 Sep;29(9):422–5
Torsade de pointes ventricular tachycardia. A complication of disopyramide shared with quinidine. Wald RW, et al.
J Electrocardiol 1981 Jul;14(3):301–7
Acute anterior uveitis secondary to quinidine sensitivity. Spitzberg DH. **J Indiana State Med Assoc** 1980 Mar; 73(3):158–9
Quinidine hepatotoxicity [letter] Slezak P. **Med J Aust** 1981 Feb 7;1(3):139
Quinidine-induced thrombocytopenia. Clark MJ, et al.
Oral Surg 1981 May;51(5):478–80
[Quinidine-induced subclinical hepatitis] Rotmensch HH, et al. **Harefuah** 1980 Mar 2;98(5):211–2 (Eng. Abstr.) **(Heb)**
[ECG prodomes of ventricular tachycardia/fibrillation in quinidine-digitalis therapy] Ejvinsson G. **Lakartidningen** 1980 Jul 23;77(30–31):2610–3 (Eng. Abstr.) **(Swe)**

ANALOGS & DERIVATIVES

Determination of the quinidine analog, 7'-trifluoromethyldihydrocinchonidine-2HCl in plasma and urine by high-performance liquid chromatography. Pao J, et al. **J Chromatogr** 1980 Nov 14;221(1):97–108

ANALYSIS

Assignment of conformation and configuration to potassium permanganate oxidation products of quinidine. Yanuka Y, et al. **J Pharm Sci** 1981 Jun;70(6):675–9

BLOOD

Relation of ventricular premature beat suppression to serum quinidine concentraton determined by a new and specific assay. Carliner NH, et al. **Am Heart J** 1980 Oct; 100(4):483–9
Further insights into digoxin–quinidine interaction: lack of correlation between serum digoxin concentration and inotropic state of the heart. Hirsh PD, et al.
Am J Cardiol 1980 Nov;46(5):863–8
Quinidine determination in serum: enzyme immunoassay (EIA) V HPLC [letter] Ha HR, et al.
Br J Clin Pharmacol 1981 Mar;11(3):312–4
Rifampicin–quinidine interaction. Ahmad D, et al.
Br J Dis Chest 1979 Oct;73(4):409–11
Effects of contact with vacutainer tube stoppers on the estimation of quinidine in serum and plasma. Ooi DS, et al. **Clin Biochem** 1980 Dec;13(6):297–300
Serum quinidine concentrations as measured by direct fluorometry, double-extraction fluorometry, and enzyme immunoassay [letter] Batra KK, et al. **Clin Chem** 1981 May; 27(5):780–1
Liquid chromatography and fluorescence spectroscopy compared with a homogeneous enzyme immunoassay technique for determining quinidine in serum. Drayer DE, et al. **Clin Chem** 1981 Feb;27(2):308–10
Decreased quinidine plasma protein binding during hemodialysis. Kessler KM, et al. **Clin Pharmacol Ther** 1981 Jul;30(1):121–6
Comparison of an enzyme immunoassay and a high performance liquid chromatographic method for quantitation of quinidine in serum. Dextraze PG, et al.
Clin Toxicol 1981;18(3):291–7
An integrated approach to measurements of quinidine and metabolites in biological fluids. Guentert TW, et al.
J Chromatogr 1980 Oct 10;183(4):514–8
Digoxin–quinidine interaction in patients with renal failure. Hirschberg R, et al. **Klin Wochenschr** 1981 May 15; 59(10):521–2
[The quinidine–digoxin interaction (a review of the literature) (author's transl)] Conne P, et al. **Praxis** 1981 Jan 13; 70(3):74–7 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Further studies of the human platelet receptor for quinine- and quinine-dependent antibodies. Kunicki TJ, et al. **J Immunol** 1981 Feb;126(2):398–402

METABOLISM

Relative bioavailability of three commercial quinidine dosage forms. Sirois G, et al. **Biopharm Drug Dispos** 1980 Apr–Jun; 1(4):167–77

Digoxin–quinidine interaction: in vitro studies in rat tissue. Kaplinsky C, et al. **J Lab Clin Med** 1980 Oct;96(4):592–6

Comparative uptake of quinine and quinidine in rat lung. Minchin RF, et al. **J Pharm Pharmacol** 1981 Jul;33(7):464–6

Bioavailability of 11 quinidine formulations adn pharmacokinetic variation in humans. McGilveray IJ, et al. **J Pharm Sci** 1981 May;70(5):524–9

Comparative pharmacokinetics of quinidine and its O-desmethyl metabolite in rabbits. Ueda CT, et al. **J Pharm Sci** 1980 Dec;69(12):1400–3

Gastrointestinal absorption of quinidine from some solutions and commercial tablets. Guentert TW, et al. **J Pharmacokinet Biopharm** 1980 Jun;8(3):243–55

Effect of plasma protein binding on quinidine kinetics in the rabbit. Guentert TW, et al. **J Pharmacol Exp Ther** 1980 Oct;215(1):165–71

Interactions between quinidine and cardiac glycosides involving mutual binding sites in the guinea pig. Kim DH, et al. **J Pharmacol Exp Ther** 1981 Jul;218(1):108–14

Tissue binding sites involved in quinidine–cardiac glycoside interactions. Kim DH, et al. **J Pharmacol Exp Ther** 1981 Aug;218(2):357–62

Quinidine–rifampin interaction. Twum-Barima Y, et al. **N Engl J Med** 1981 Jun 11;304(24):1466–9

Digitalis–quinidine interaction [editorial] **S Afr Med J** 1981 May 9;59(20):695

Digitoxin–quinidine interaction: potentiation during administration of cimetidine. Polish LB, et al. **South Med J** 1981 May;74(5):633–4

[Absolute bioavailability of an aqueous solution of quinidine administered orally to the rat and evaluation of the enterohepatic cycle (author's transl)] Koskas JP, et al. **J Pharm Belg** 1981 May–Jun;36(3):193–9 (Eng. Abstr.) **(Fre)**

[Application of a micromethod for sampling and for the specific quantitative evaluation of quinidine. I. Pharmacokinetic study after intravenous administration in the rat (author's transl)] Koskas JP, et al. **J Pharm Belg** 1981 May–Jun;36(3):187–92 (Eng. Abstr.) **(Fre)**

[Digitalis and quinidine] Amlie JP. **Tidsskr Nor Laegeforen** 1981 Apr 20;101(11):655–7 **(Nor)**

PHARMACODYNAMICS

Effect of quinidine on positive inotropic action of digoxin. Williams JF Jr, et al. **Am J Cardiol** 1981 May;47(5):1052–5

Digitoxin–quinidine interaction: pharmacokinetic evaluation. Fenster PE, et al. **Ann Intern Med** 1980 Nov;93(5):698–701

Digitoxin elimination reduced during quinidine therapy. Garty M, et al. **Ann Intern Med** 1981 Jan;94(1):35–7

Quinidine–digoxin interaction [letter] Holford NH. **Ann Intern Med** 1980 Oct;93(4):638–9

Digoxin–quinidine interaction: current status [editorial] Leahey EB Jr. **Ann Intern Med** 1980 Nov;93(5):775–6

Effects of quinidine on serum digoxin concentration: a prospective study. Mungall DR, et al. **Ann Intern Med** 1980 Nov;93(5):689–93

Digoxin–quinidine interaction [letter] Powell JR, et al. **Ann Intern Med** 1981 Apr;94(4 pt 1):540

Comparative antiarrhythmic activity of quinidine combined with propranolol and with sotalol. Lawson JW, et al. **Arch Int Pharmacodyn Ther** 1981 Jan;249(1):72–86

Effects of quinidine and disopyramide on serum digoxin concentrations. Manolas EG, et al. **Aust NZ J Med** 1980 Aug;10(4):426–9

The effect of quinidine and its metabolites on the electrocardiogram and systolic time intervals: concentration--effect relationships. Holford NH, et al. **Br J Clin Pharmacol** 1981 Feb;11(2):187–95

Pharmacokinetics of digoxin in patients subjected to the quinidine–digoxin interaction. Schenck-Gustafsson K, et al. **Br J Clin Pharmacol** 1981 Feb;11(2):181–6

Comments on: 'anticholinergic effects of disopyramide and quinidine on guinea pig myocardium--mediation by direct muscarinic receptor blockade' [letter] Benfey BG. **Circ Res** 1981 Sep;49(3):821

Anticholinergic effects of disopyramide and quinidine on guinea pig myocardium. Mediation by direct muscarinic receptor blockade. Mirro MJ, et al. **Circ Res** 1980 Dec; 47(6):855–65

Electrophysiological effects of the optical isomers of disopyramide and quinidine in the dog. Dependence on stereochemistry. Mirro MJ, et al. **Circ Res** 1981 Jun;48(6 Pt 1):867–74

pH-dependent electrophysiological effects of quinidine and lidocaine on canine cardiac purkinje fibers. Nattel S, et al. **Circ Res** 1981 Jan;48(1):55–61

Effect of quinidine on the renal handling of digoxin. Gibson TP, et al. **J Lab Clin Med** 1980 Dec;96(6):1062–70

Effect of quinidine on Na, H+, and water transport by the turtle and toad bladders. Arruda JA, et al. **J Membr Biol** 1980 Jul 15;55(2):141–7

Effects of quinidine on the cardiac-glycoside sensitivity of guinea-pig and rat heart. Kim DH, et al. **J Pharmacol Exp Ther** 1981 Jun;217(3):559–65

Action potential, membrane currents and force of contraction in mammalian heart muscle fibers treated with quinidine. Nawrath H. **J Pharmacol Exp Ther** 1981 Jan;216(1):176–82

Digoxin pharmacokinetics after quinidine [letter] Straub KD, et al. **JAMA** 1981 Feb 20;245(7):705

Quinidine–digoxin interaction: effect of quinidine on 86Rb-uptake of human erythrocytes. Doering W, et al. **Klin Wochenschr** 1981 Jan 15;59(2):95–6

Digitalis and quinidine [letter] Schenck-Gustafsson K. **Lancet** 1981 Jan 10;1(8211):105

Reassessment of the electrophysiological effects of the antiarrhythmic agent quinidine in canine purkinje fibers. Wang CM, et al. **Life Sci** 1980 Aug 25;27(8):663–70

Noninteraction of digitoxin and quinidine [letter] **N Engl J Med** 1981 Jan 8;304(2):118–9

Effect of quinidine on digoxin concentration in skeletal muscle and serum in patients with atrial fibrillation. Evidence for reduced binding of digoxin in muscle. Schenck-Gustafsson K, et al. **N Engl J Med** 1981 Jul 23; 305(4):209–11

Sodium current depression by lidocaine and quinidine in isolated ventricular cells. Lee KS, et al. **Nature** 1981 May 28;291(5813):325–7

The effect of Craviten, a new antiarrhythmic drug, its 2R, 2'R isomer, quinidine and procaine amide on human platelet aggregation. Kędryna T, et al. **Pol J Pharmacol Pharm** 1980 Nov-Dec;32(6):883–8

[Digoxin–quinidine interactions] Hansen PB, et al. **Ugeskr Laeger** 1981 Jan;143(3):105–6 (Eng. Abstr.) **(Dan)**

[Quinidine increases digoxin levels] Doering W, et al. **Med Klin** 1981 Jul 3;76(14):395–8 **(Ger)**

[Interaction between digoxin and quinidine] Halawa B, et al. **Pol Tyg Lek** 1980 Dec 22;35(51):1993–5 (Eng. Abstr.) **(Pol)**

POISONING

A death investigation involving quinidine and propranolol. Quenzer CF, et al. **J Anal Toxicol** 1980 Mar–Apr;4(2):54–7

THERAPEUTIC USE

Comparative efficiency of quinidine and verapamil in the maintenance of sinus rhythm after DC conversion of atrial fibrillation. A controlled clinical trial. Rasmussen K, et al. **Acta Med Scand [Suppl]** 1981;645:23–8

Antiarrhythmic efficacy of encainide and quinidine: validation of a model for Jrug assessment. Sami M, et al. **Am J Cardiol** 1981 Jul;48(1):147–56

The effectiveness of antiarrhythmic agents on early-cycle premature ventricular complexes. Krone RJ, et al. **Circulation** 1981 Mar;63(3):664–9

Effect of tocainide and quinidine on premature ventricular contractions. Wasenmiller JE, et al. **Clin Pharmacol Ther** 1980 Oct;28(4):431–5

Intravenous quinidine in congestive cardiomyopathy. Ochs HR, et al. **Eur J Clin Pharmacol** 1981 Feb;19(3):173–6

[Application of quinidine before and after the electroversion (author's transl)] **Chung Hua Nei Ko Tsa Chih** 1979; 18(2):136–9 **(Chi)**

[Evaluation of the electrophysiological properties of atenolol and of the combination of quinidine and atenolol in humans] Capucci A, et al. **Boll Soc Ital Cardiol** 1979;24(10):1059–64 **(Ita)**

QUININE

Study of the factors that cause specific transformation in cultures of lymphocytes from patients with quinine- and quinidine-induced immune thrombocytopenia. Hosseinzadeh PK, et al. **J Clin Invest** 1980 Oct;66(4):638–45

Quinine- and quinidine-dependent antiplatelet antibodies. Requirement of factor VIII-related antigen for platelet damage and for in vitro transformation of lymphocytes from patients with drug-induced thrombocytopenia. Pfueller SL, et al. **J Clin Invest** 1981 Mar;67(3):907–10

ADMINISTRATION & DOSAGE

Comparative efficacies of quinine and chloroquine as companions to primaquine in a curative drug regimen. Schmidt LH. **Am J Trop Med Hyg** 1981 Jan;30(1):20–5

[Treatment of primary facial spasm] Wang SZ. **Chung Hua Kou Chiang Ko Tsa Chih** 1980 Dec;15(4):249–51 **(Chi)**

[Combined effect of chloroquine and quinine in rodent malaria (Plasmodium berghei)] Moshkovskiĭ ShD, et al. **Med Parazitol (Mosk)** 1980 Nov–Dec;49(6):22–7 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[Paradoxic response to disopyramide and quinidine (author's transl)] Breithardt G, et al. **Z Kardiol** 1980 Aug; 69(8):556–61 (Eng. Abstr.) **(Ger)**

ANALYSIS

[Extraction spectrophotometric determination in pharmaceutical analysis. II. New spectrophotometric determination of strychnine nitrate and papaverine and quinine chloride] Ottis M, et al. **Cesk Farm** 1980 Jun; 29(5):131–3 (Eng. Abstr.) **(Cze)**

IMMUNOLOGY

Further studies of the human platelet receptor for quinine- and quinine-dependent antibodies. Kunicki TJ, et al. **J Immunol** 1981 Feb;126(2):398–402

METABOLISM

Comparative uptake of quinine and quinidine in rat lung. Minchin RF, et al. **J Pharm Pharmacol** 1981 Jul;33(7):464–6

Unimpaired quinine metabolism in rats with ventromedial hypothalamic lesions. Gunion MW, et al. **Pharmacol Biochem Behav** 1981 Mar;14(3):283–6

PHARMACODYNAMICS

A case of P. falciparum malaria in Thailand apparently resistant to quinine. Migasena S, et al. **Ann Trop Med Parasitol** 1980 Apr;74(2):243–4

Induction of selective acid hydrolase release from mouse macrophages during exposure to chloroquine and quinine. Riches DW, et al. **Biochem Pharmacol** 1981 Mar 15; 30(6):629–34

Regulation of calcium fluxes in rat pancreatic islets. Quinine mimics the dual effect of glucose on calcium movements. Herchuelz A, et al. **Biochim Biophys Acta** 1981 Jan 8; 640(1):16–30

Effect of quinine on digoxin kinetics. Wandell M, et al. **Clin Pharmacol Ther** 1980 Oct;28(4):425–30

The effects of calcium ions on the depression of cardiac contractility by chloroquine and quinine. Ikhinmwin MK, et al. **Eur J Pharmacol** 1981 Feb 19;69(4):507–10

Effects of quinine on Ca++-induced K+ efflux from human red blood cells. Reichstein E, et al. **J Membr Biol** 1981 Mar 15;59(1):57–63

Interaction of digoxin with quinine [letter] Aronson JK, et al. **Lancet** 1981 Jun 27;1(8235):1418

Inhibition by quinine of insulin release and calcium ionophoresis. Couturier E, et al. **Mol Pharmacol** 1980 Sep; 18(2):243–6

Post-ingestive effects of quinine on intake of nutritive and non-nutritive substances. Kratz CM, et al. **Physiol Behav** 1978 DEC;21(6):851–4

Normal immunological responses in mice treated with chloroquine, quinine and primaquine. Thong YH, et al. **Trans R Soc Trop Med Hyg** 1981;75(1):108–9

POISONING

Ocular quinine toxicity. Brinton GS, et al. **Am J Ophthalmol** 1980 Sep;90(3):403–10

Ocular quinine toxicity followed by electroretinogram, electro-oculogram, and pattern visually evoked potential. Zahn JR, et al. **Am J Optom Physiol Opt** 1981 Jun; 58(6):492–8

A case of quinine self-poisoning in a boy. Tayler P, et al. **Arch Dis Child** 1980 Jun;55(6):478

Management of quinine toxicity. Dickinson P, et al. **Trans Ophthalmol Soc NZ** 1981;33:56–8

[Clinical electroretinography and quinine poisoning] Le Breton Oliveau G, et al. **Bull Soc Ophtalmol Fr** 1980 Apr–May;80(4–5):431–3 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Treatment of babesiosis in asplenic patients. Bredt AB, et al. **JAMA** 1981 May 15;245(19):1938–9

[Action of quinine sulphate on the incidence of muscle cramps during hemodialysis (author's transl)] Panadero Sandoval J, et al. **Med Clin (Barc)** 1980 Oct 10;75(6):247–9 (Eng. Abstr.) **(Spa)**

URINE

Preadsorbent thin-layer chromatography. III. Direct detection of quinine in urine as a presumptive test for heroin. Vinson JA, et al. **J Chromatogr** 1981 Feb 6; 206(1):196–9

Identification of new urinary metabolites in man of quinine using methane chemical ionization gas chromatography–mass spectrometry. Liddle C, et al. **Xenobiotica** 1981 Feb;11(2):81–7

QUINOLINES

Dictamnine, an alkaloid which crosslinks DNA in the presence of ultraviolet light. Towers GH, et al. **Biochem Biophys Res Commun** 1980 Jul 31;95(2):603–7

Chemotactic factor-induced membrane potential changes in rabbit neutrophils monitored by the fluorescent dye 3,3'-dipropylthiadicarbocyanine iodide. Tatham PE, et al. **Biochim Biophys Acta** 1980 Nov 4;602(2):285–98

Carbocyanine dye orientation in red cell membrane studied by microscopic fluorescence polarization. Axelrod D. **Biophys J** 1979 Jun;26(3):557–73

Interactions of voltage-sensing dyes with membranes. I. Steady-state permeability behaviors induced by cyanine dyes. Krasne S. **Biophys J** 1980 Jun;30(3):415–39

Interactions of voltage-sensing dyes with membranes. II. Spectrophotometric and electrical correlates of cyanine-dye adsorption to membranes. Krasne S. **Biophys J** 1980 Jun;30(3):441–62

Cyanine dye measurement of a light-induced transient

membrane potential associated with the metarhodopsin II intermediate in rod-outer-segment membranes. Bennett N, et al. **Eur J Biochem** 1980 Oct;111(1):105-10

Structure and activity of the prosthetic group of methanol dehydrogenase. Duine JA, et al. **Eur J Biochem** 1980; 108(1):187-92

Du 24565, a quipazine derivative, a potent selective serotonin uptake inhibitor. Vaatstra WJ, et al. **Eur J Pharmacol** 1981 Mar 12;70(2):195-202

Crystal and molecular structures of 2-amino-3-methylimidazo-[4,5-f]quinoline, a novel potent mutagen found in broiled food. Yokoyama S, et al. **FEBS Lett** 1980 Dec 29;122(2):261-3

A technique for C-banding chromosomes with pinacyanol chloride. Narayan RK. **Stain Technol** 1980 Jan;55(1):9-11

ADMINISTRATION & DOSAGE

Effect of oxidized fish oil, DL-alpha-tocopheryl acetate and ethoxyquin supplementation on the vitamin E nutrition of rainbow trout (Salmo gairdneri) fed practical diets. Hung SS, et al. **J Nutr** 1981 Apr;111(4):648-57

ADVERSE EFFECTS

Allergy to D and C yellow dye 11. Rapaport MJ. **Contact Dermatitis** 1980 Aug;6(5):364-5

Allergic contact dermatitis from laboratory synthesis of 4-bromomethyl-6,8-dimethyl-2(1H)-quinolone. Rycroft RJ. **Contact Dermatitis** 1981 Jan;7(1):39-42

Persistence of patch test reactions to clioquinol (Vioform) and cross-sensitization. Soesman-van Waadenoijen Kernekamp A, et al. **Contact Dermatitis** 1980 Dec; 6(7):455-60

Contact dermatitis from D & C yellow 11 dye in a toilet bar soap [letter] Jordan WP Jr. **J Am Acad Dermatol** 1981 May;4(5):613-4

CHEMICAL SYNTHESIS

4-Phenyl-2-(1-piperazinyl)quinolines with potent antidepressant activity. Hino K, et al. **Chem Pharm Bull (Tokyo)** 1980 Sep;28(9):2618-22

Structure-activity relationships of antibacterial 6,7- and 7,8-disubstituted 1-alkyl-1,4-dihydro-4-oxoquinoline-3-carboxylic acids. Koga H, et al. **J Med Chem** 1980 Dec;23(12):1358-63

Synthesis and antimalarial activity of 8-[(1-alkyl-4-aminobutyl)amino]-6-methoxy-4-methylqui Yan SJ, et al. **J Med Chem** 1981 Feb;24(2):215-7

[Potential antimalarials, I: 6-(Diethylaminoalkoxy)--5,8-dimethoxyquinolines (author's transl)] Nickel P, et al. **Arch Pharm (Weinheim)** 1981 Feb;314(2):104-7 (Eng. Abstr.) **(Ger)**

[Derivatives of 2-phenothiazin-2'-yl-cinchoninic acid with analgesic and anti-inflammatory activity] Sparatore F, et al. **Farmaco [Sci]** 1980 Sep;35(9):735-51 (Eng. Abstr.) **(Ita)**

[Synthesis of quinolines from safrole] Costa PR, et al. **An Acad Bras Cienc** 1980 Sep;52(3):483-8 **(Por)**

DIAGNOSTIC USE

Donnan potential in sarcoplasmic reticulum vesicles measured by using a fluorescent cyanine dye. Yamamoto N, et al. **J Biochem (Tokyo)** 1980 Nov;88(5):1425-35

A cyanine dye distinguishes between cycling and non-cycling fibroblasts. Cohen RL, et al. **Nature** 1981 Apr 16;290(5807):593-5

IMMUNOLOGY

Patch test sensitization to D & C yellow No. 11 and simultaneous reaction to quinoline yellow. Björkner B, et al. **Contact Dermatitis** 1981 Jan;7(1):1-4

ISOLATION & PURIFICATION

Crystallization of a derivative of a new coenzyme, methoxatin. Forrest HS, et al. **Biochim Biophys Acta** 1981 Aug 17;676(2):226-9

METABOLISM

Labelled dyes, a new 125I-indomonocarbocyanine and 125I-BSP, in the exploration of experimental cholestasis and steatosis in the rat. Lapalus F, et al. **Br J Exp Pathol** 1981 Feb;62(1):13-21

Molecular complexes of quinoline antimalarials with iron-porphyrin components of protease-digested methemoglobin. Jearnpipatkul A, et al. **Chem Biol Interact** 1980 Dec;33(1):83-90

DiO-C3-(5) and DiS-C3-(5): Interactions with RBC, ghosts and phospholipid vesicles. Guillet EG, et al. **J Membr Biol** 1981 Mar 15;59(1):1-11

Multiple benzodiazepine receptors: evidence of dissociation between anticonflict and anticonvulsant properties by PK 8165 and PK 9084 (two quinoline derivatives). Le Fur G, et al. **Life Sci** 1981 Mar 30;28(13):1439-48

[Enterohepatic circulation of the antioxidant 6-ethoxy-1,2-dihydro-2,2,4-trimethylquinoline (ethoxyquin)] Hillemeir H, et al. **Z Tierphysiol Tierernaehr Futtermittelkd** 1981;45(2):57-60 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

In vitro antimicrobial activity of rosoxacin against Neisseria gonorrhoeae, Chlamydia trachomatis, and Ureaplasma urealyticum. Dobson RA, et al. **Antimicrob Agents Chemother** 1980 Nov;18(5):738-40

A mechanism for the enzymic oxidation of methanol involving methoxatin. Forrest HS, et al. **Biochem Biophys Res Commun** 1980 Nov 17;97(1):248-51

Elevation of hepatic epoxide hydratase activity by ethoxyquin is due to increased synthesis of the enzyme. Kahl R. **Biochem Biophys Res Commun** 1980 Jul 16; 95(1):163-9

The effect of the fluorescent probe, 3,3'-dipropylthiodicarbocyanine iodide, on the membrane potential of Ehrlich ascites tumor cells. Smith TC, et al. **Biochem Biophys Res Commun** 1980 Jul 31;95(2):722-7

In-vitro antigonococcal activity of rosoxacin (WIN 35213). Warren CA, et al. **Br J Vener Dis** 1981 Feb;57(1):33-5

Decrease in susceptibility of Plasmodium falciparum to mefloquine in continuous culture. Brockelman CR, et al. **Bull WHO** 1981;59(2):249-52

Antinociceptive comparison of quipazine and morphine. Minnema DJ, et al. **Commun Psychopharmacol** 1980; 4(2):115-20

Effects of malnutrition and quipazine on rat cerebral cortex ATPase activity during development. Hernández RJ. **Dev Neurosci** 1980;3(4-6):277-82

Inhibition of cyclic AMP phosphodiesterase activity and myocardial contractility: effects of cilostamide, a novel PDE inhibitor, and methylsiobutylxanthine on rabbit and canine ventricular muscle. Endoh M, et al. **Eur J Pharmacol** 1980 Aug 22;66(1):43-52

Pharmacological effects of 2-aminotetralins, octahydrobenzo[f]quinolines and clonidine on the isolated guinea pig ileum. Maixner W, et al. **Eur J Pharmacol** 1981 May 22;71(4):475-82

Sensitivity of gonococci to rosoxacin compared with that of penicillin, cefuroxime and tetracycline. Seth AD. **J Antimicrob Chemother** 1981 Apr;7(4):331-4

Interaction of certain cationic dyes with the respiratory chain of rat liver mitochondria. Conover TE, et al. **J Biol Chem** 1981 Jan 10;256(1):402-8

The effect of the fluorescent probe, 3,3'-dipropylthiadicarbocyanine iodide, on the energy metabolism of Ehrlich ascites tumor cells. Smith TC, et al. **J Biol Chem** 1981 Feb 10;256(3):1108-10

Effects of the myeloperoxidase system on fluorescent probes of granulocyte membrane potential. Whitin JC, et al. **J Biol Chem** 1981 Sep 10;256(17):8904-6

Substituted piperazines as central serotonin agonists: comparative specificity of the postsynaptic actions of quipazine and m-trifluoromethylphenylpiperazine. Fuller RW, et al. **J Pharmacol Exp Ther** 1981 Sep;218(3):636-41

Modification of drug-induced catatonia and tremors by quapazine in rats and mice. Kulkarni SK, et al. **Jpn J Pharmacol** 1980 Apr;30(2):129-35

Biochemical effects of quipazine on rat striatal dopaminergic system. Ponzio F, et al. **Life Sci** 1981 Jul 6;29(1):83-91

Serotonin neuroleptics change patterns of preovulatory secretion of luteinizing hormone in rats. Walker RF. **Life Sci** 1980 Sep 22;27(12):1063-8

Free-Wilson analysis of quinoline derivatives. Maysinger D, et al. **Pharm Acta Helv** 1981;56(6):151-4

Circling produced by serotonin and dopamine agonists in raphe lesioned rats: a serotonin model. Slater P. **Pharmacol Biochem Behav** 1980 Dec;13(6):817-21

Quipazine-induced behavior in neonatal rat pups. Spear LP, et al. **Pharmacol Biochem Behav** 1981 Jun;14(6):831-4

Quipazine induced wet dog shake behaviour in rats: mechanism of action. Hiremagalur, et al. **Pharmacol Res Commun** 1980 Sep;12(8):757-68

Influence of selenium, vitamin E, and ethoxyquin on lipid peroxidation in muscle tissues from fowl during low temperature storage. Combs GF Jr, et al. **Poult Sci** 1980 Feb;59(2):347-51

Comparison of the effects of central acting drugs on prolactin release in young and old male rats. Forman LJ, et al. **Proc Soc Exp Biol Med** 1981 Jul;167(3):354-8

Drug-induced stimulus control and the concept of breaking point: LSD and quipazine. Winter JC. **Psychopharmacology (Berlin)** 1981;72(2):217-8

Protective effect of a new antioxidant on acute hepatotoxicity caused by morpholine plus nitrite in rats. Börzsönyi M, et al. **Toxicol Lett** 1981 Feb;7(4-5):285-8

Effect of mefloquine on the immune response in mice. Thong YH, et al. **Trans R Soc Trop Med Hyg** 1979;73(4):388-90

Plasmodium chabaudi-infection of mice: effects of chloroquine and mefloquine. Inhibition of ornithine decarboxylase activity. Königk E, et al. **Tropenmed Parasitol** 1981 Jun;32(2):73-6

Antituberculosis activity of 6 cyclo-octylamino-5,8-quinolinequinone (CQQ). Chakraborty A, et al. **Tubercle** 1981 Mar;62(1):37-41

Antibacterial action of quinolones on Escherichia coli. I. Structure/activity relationship. Mahmood F, et al. **Zentralbl Bakteriol [A]** 1980 Mar;246(3):329-35

Antibacterial action of quinolones on Escherichia coli. IIa. Conditions required for lethality: effect of anaerobiosis, inoculum size and media composition. Mahmood F, et al. **Zentralbl Bakteriol [A]** 1980;247(2):221-8

[A new synthetic antibacterial : 1-ethyl-6-fluoro-7-(4-methyl-1-piperazinyl)-4-oxo-1, 4-dihydroquinolin-3-carboxylic acid (1589 R.B.)] Goueffon Y, et al. **C R Acad Sci [D] (Paris)** 1981 Jan 5; 292(1):37-40 (Eng. Abstr.) **(Fre)**

[In vitro assessment of the sensitivity of P. falciparum to mefloquine (author's transl) (letter)] Druilhe P, et al. **Nouv Presse Med** 1981 Feb 7;10(5):335 (Eng. Abstr.) **(Fre)**

[In vitro activity of rosoxacin (Win 35 213) against Neisseria gonorrhoeae (author's transl)] Braveny I, et al. **Arzneimittelforsch** 1980;30(9):1476-8 (Eng. Abstr.) **(Ger)**

[Inhibition of platelet aggregation by platelet inhibitory agents and its relation to their clinical effects] Yasunaga K. **Rinsho Byori** 1979;Suppl 40:181-7 **(Jpn)**

[Pharmacological properties of indolylalkyl derivatives of quipazine] Trubitsyna TK, et al. **Farmakol Toksikol** 1980 Sep-Oct;43(5):530-6 (Eng. Abstr.) **(Rus)**

[Sensitivity of E. coli to intestopan] Sedova NN. **Lab Delo** 1980;(8):493-4 **(Rus)**

THERAPEUTIC USE

Kinetic studies of mefloquine and of one of its metabolites, Ro 21-5104, in the dog and in man. Schwartz DE, et al. **Acta Trop (Basel)** 1980 Sep;37(3):238-42

Chemosuppressive field trials in Thailand. IV. The suppression of Plasmodium falciparum and Plasmodium vivax parasitemias by mefloquine (WR 142,490, A 4-quinolinemethanol). Pearlman EJ, et al. **Am J Trop Med Hyg** 1980 Nov;29(6):1131-7

Hydroxypiperaquine phosphate in treating chloroquine resistant falciparum malaria. Li YT, et al. **Chin Med J [Engl]** 1981 May;94(5):303-4

Hydroxypiperaquine phosphate in treatment of falciparum malaria. Li YT, et al. **Chin Med J [Engl]** 1981 May; 94(5):301-2

Lowering of blood pressure by direct- and indirect-acting serotonin agonists in spontaneously hypertensive rats. Fuller RW, et al. **Clin Exp Hypertens** 1981;3(3):497-508

Activity of quinfamide against natural infections of Entamoeba criceti in hamsters: a new potent agent for intestinal amoebiasis. Slighter RG, et al. **Parasitology** 1980 Aug;81(1):157-68

[Experimental studies on orally administered long-acting antimalarials. II. Observations on therapeutic and prophylactic effect of hydroxypiperaquine on rodent malaria (author's transl)] Qu FY, et al. **Yao Hsueh Hsueh Pao** 1981 Apr;16(4):298-301 (Eng. Abstr.) **(Chi)**

[Studies on the action of MTDQ - 6,6'-methylene bis (2,2,4-trimethyl-1,2-dihydroquinoline) on the growth of murine mammary cancer, survival rate of V-79 cells and DNA biosynthesis of L5178 Y cells] Magdon E, et al. **Radiobiol Radiother (Berl)** 1980 Feb;21(1):23-9 (Eng. Abstr.) **(Ger)**

TOXICITY

Toxic and teratogenic effects of selected aromatic amines on embryos of the amphibian Xenopus laevis. Davis KR, et al. **Arch Environ Contam Toxicol** 1981;10(3):371-91

A Chironomus tentans bioassay for testing synthetic fuel products and effluents, with data on acridine and quinoline. Cushman RM, et al. **Bull Environ Contam Toxicol** 1981 May;26(5):601-5

Phototoxic furanoquinolines of the Rutaceae. Towers GH, et al. **Planta Med** 1981 Feb;41(2):136-42

[Toxicity of hydroxyquinoline derivatives] Pashov D, et al. **Vet Med Nauki** 1980;17(3):118-23 (Eng. Abstr.) **(Bul)**

QUINOLINIC ACIDS see under **PYRIDINES**

QUINOLINIUM COMPOUNDS

A technique for C-banding chromosomes with pinacyanol chloride. Narayan RK. **Stain Technol** 1980 Jan;55(1):9-11

METABOLISM

Binding of the Cain quinolinium, NSC 113089, to rat tissue lipid extracts. Yesair DW, et al. **Cancer Biochem Biophys** 1979;3(4):163-8

PHARMACODYNAMICS

The effect of renal cation transport inhibitors on the in vivo and in vitro accumulation and efflux of cephaloridine. Wold JS, et al. **Life Sci** 1980 Dec 22-29;27(25-26):2559-64

[Accelerating effect of heterocyclic quaternary ammonium salts on neutral ester hydrolysis by acetylcholinesterase and butyrylcholinesterase (author's transl)] Desire B, et al. **Biochim Biophys Acta** 1981 Jun 15;659(2):267-82 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

The use of dequalinium acetate as a disinfectant and chemotherapeutic agent in endodontics. Kaufman AY. **Oral Surg** 1981 Apr;51(4):434-41

Quinuronium sulphate for the treatment of Babesia divergens infections of splenectomised calves. Purnell RE, et al. **Vet Rec** 1981 Jun 20;108(25):538-9

QUINOLINOLS see **HYDROXYQUINOLINES**

QUINOLIZINES

CHEMICAL SYNTHESIS

Synthesis and biological activity of [14a-3H]cryptopleurine. Dölz H, et al. **Anal Biochem** 1980 Nov 1;108(2):215-9

PHARMACODYNAMICS

Effect of nolinium bromide, cimetidine, and oxyphencyclimine on gastric hypersecretion induced by some secretagogues in the rat. Goldenberg MM, et al. **Arch Int Pharmacodyn Ther** 1980 Sep;247(1):163-76

Depletion of epinephrine in rat hypothalamus by Ro 4-1284: influence of pargyline and harmaline. Fuller RW, et al. **Brain Res Bull** 1980 Sep-Oct;5(5):589-91

Clinical and laboratory studies with R802, a new synthetic quinolone, in urinary tract infection. Steer CR, et al. **J Antimicrob Chemother** 1981 Jun;7(6):643-8

The effect of pargyline pretreatment on the enhancement of the exocytotic release of norepinephrine during nerve stimulation which is induced by a benzoquinolizine compound with reserpine-like properties. Langley AE, et al. **J Pharmacol Exp Ther** 1980 Jun;213(3):534-8

Effect of Ro 4-1284 on audiogenic seizure susceptibility and intensity in epilepsy-prone rats. Jobe PC, et al. **Life Sci** 1981 May 4;28(18):2031-8

Structural determinants responsible for the biological activity of (-)-emetine, (-)-cryptopleurine, and (-)-tylocrebrine: structure-activity relationship among related compounds. Gupta RS, et al. **Mol Pharmacol** 1980 Jul;18(1):136-43

[Effect of benzquinamide on gastrointestinal motility] Coruzzi G, et al. **Farmaco [Prat]** 1980 Sep;35(9):466-72 (Eng. Abstr.) **(Ita)**

[Pharmacological studies of antispasmodics. III. Antispasmodic activity of 3-(di-2-thienylmethylene)-5-methyl-trans-quino-lizidiniu bromide (HRS-902) on smooth muscle organs and its organ selectivity (author's transl)] Kubo S, et al. **Nippon Yakurigaku Zasshi** 1981 Jan;77(1):87-98 (Eng. Abstr.) **(Jpn)**

[Experimental effect of a lupinine-based homopolymer on blood coagulation in animals] Usmanova DM. **Farmakol Toksikol** 1980 May-Jun;43(3):327-30 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Specific antiemetics for specific cancer chemotherapeutic agents: haloperidol versus benzquinamide. Neidhart JA, et al. **Cancer** 1981 Mar 15;47(6):1439-43

TOXICITY

Synergism of the toxicity of physostigmine and neostigmine by lithium or by a reserpine-like agent (Ro4-1284). Davis WM, et al. **Toxicology** 1980;17(1):1-7

QUINONE REDUCTASES see under **NADH, NADPH OXIDOREDUCTASES**

QUINONES

Preparation and properties of crystalline biliverdin IX alpha. Simple methods for preparing isomerically homogeneous biliverdin and [14C]biliverdin by using 2,3-dichloro-5,6-dicyanobenzoquinone. McDonagh AF, et al. **Biochem J** 1980 Aug 1;189(2):193-208

Structure and properties of 5-deazaflavin radicals as compared to natural flavosemiquinones. Goldberg M, et al. **Biochim Biophys Acta** 1981 Apr 3;673(4):570-93

On the molecular and submolecular structure of the semiquinone cations of alloxazines and isoalloxazines as revealed by electron-paramagnetic-resonance spectroscopy. Müller F, et al. **Eur J Biochem** 1981 May; 116(1):17-25

Theoretical analysis of charge-transfer bands of some nucleic acid bases with chloranil. Rajwar DC, et al. **Indian J Biochem Biophys** 1980 Apr;17(2):155-6

Protein quinone complexes. Bovine plasma albumin and halogenated p-quinones. Beales KJ, et al. **J Bioenerg Biomembr** 1978 Aug;10(3-4):101-8

Conjugation of horseradish peroxidase to staphylococcal protein A with benzoquinone, glutaraldehyde, or periodate as cross-linking reagents. Nygren H, et al. **J Histochem Cytochem** 1981 Feb;29(2):266-70

Utility of chloranil in assay of naphazoline, clemizole, penicillin G sodium, and piperazine. Belal S, et al. **J Pharm Sci** 1981 Feb;70(2):127-30

[Charge transfer complexes of nucleic acid purine bases with benzoquinone. Evidence that nucleic acid components are pi-donors] Malevskiĭ AA, et al. **Mol Biol (Mosk)** 1981 Mar-Apr;15(2):447-53 (Eng. Abstr.) **(Rus)**

ANALYSIS

Identification of neutral and anionic 8 alpha-substituted flavin semiquinones in flavoproteins by electron spin resonance spectroscopy. Edmondson DE, et al. **Arch Biochem Biophys** 1981 Apr 15;208(1):69-74

Identification of the quinone species in cyanide-sensitive and cyanide-insensitive mitochondria of Moniliella tomentosa. Vanderleyden J, et al. **Biochem J** 1980 Dec 15;192(3):881-5

Localization of prenylquinones in the envelope of spinach chloroplasts. Lichtenthaler HK, et al. **Biochim Biophys Acta** 1981 Feb 20;641(1):99-105

2,5-Di-t-amyl-p-benzoquinone: an antioxidant encountered during the analysis of human tissues. Middleditch BS, et al. **Biomed Mass Spectrom** 1980 Mar;7(3):105-8

Quinonoid constituents as contact sensitisers in Australian blackwood (Acacia melanoxylon RBR). Hausen BM, et al. **Br J Ind Med** 1981 May;38(2):105-9

Isolation of plasma membrane from human neutrophils and determination of cytochrome b and quinone content. Sloan EP, et al. **J Exp Med** 1981 May 1;153(5):1316-28

Distribution of isoprenoid quinone structural types in bacteria and their taxonomic implication. Collins MD, et al. **Microbiol Rev** 1981 Jun;45(2):316-54 (249 ref.)

ANTAGONISTS & INHIBITORS

Reversal of dibromothymoquinone inhibition of photosynthetic electron transport by bovine serum albumin. Robinson HH, et al. **Arch Biochem Biophys** 1980 Sep; 203(2):681-90

BIOSYNTHESIS

Tocopherol and plastoquinone synthesis in spinach chloroplasts subfractions. Soll J, et al. **Arch Biochem Biophys** 1980 Oct 15;204(2):544-50

Synthesis of plastoquinone-9 and phytylplastoquinone from homogentisate in lettuce chloroplasts. Hutson KG, et al. **Biochim Biophys Acta** 1980 Nov 3;632(4):630-48

BLOOD

Liquid chromatography determination of an antineoplastic aziridinylbenzoquinone in human and murine serum. Allen BA, et al. **J Chromatogr** 1981 Jan 2;222(1):146-51

DIAGNOSTIC USE

[A colorimetric method using 2,6-dichloroquinonechloroimide as color reagent for the determination of alkaline phosphatase in serum (author's transl)] Shimasue A, et al. **Rinsho Byori** 1980 Aug; 28(8):817-20 **(Jpn)**

METABOLISM

Evidence that a quinone may be required for the production of superoxide and hydrogen peroxide in neutrophils. Crawford DR, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1277-86

Generation of semiquinone radical from carbazilquinone by NADPH-cytochrome P-450 reductase. Kikuchi T, et al. **Biochem Pharmacol** 1981 Jun 15;30(12):1717-8

Relationship of the single-electron reduction potential of quinones to their reduction by flavoproteins. Powis G, et al. **Biochem Pharmacol** 1980 Oct 1;29(19):2567-72

Properties of a semiquinone anion located in the QH2:cytochrome c oxidoreductase segment of the mitochondrial respiratory chain. de Vries S, et al. **FEBS Lett** 1980 Dec 15;122(1):143-8

Structural requirements of quinone coenzymes for endogenous and dye-mediated coupled electron transport in bacterial photosynthesis. Baccarini-Melandri A, et al. **J Bioenerg Biomembr** 1980 Aug;12(3-4):95-110

Dopachrome conversion: a possible control point in melanin biosynthesis. Körner AM, et al. **J Invest Dermatol** 1980 Aug;75(2):192-5

[On the taxonomy of Actinobacillus, Haemophilus, and Pasteurella: DNA base composition, respiratory quinones, and biochemical reactions of representative collection cultures (author's transl)] Mannheim W, et al. **Zentralbl Bakteriol [A]** 1980;246(4):512-40 (Eng. Abstr.) **(Ger)**

[Role of plastoquinone in photosystem 2 reactions] Gol'dfel'd MG, et al. **Mol Biol (Mosk)** 1980 Jul-Aug;14(4):804-13 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Cation-induced, inhibitor-resistant photosystem II reactions in cyanobacterial membranes. DeRoo CL, et al. **Biochem Biophys Res Commun** 1981 Jun 16;100(3):1025-31

Apparent inhibition of photoredox reactions of magnesium octaethylporphyrin at the lipid bilayer-water interface by neutral quinones. Krakover T, et al. **Biophys J** 1981 Jul; 35(1):93-7

Detoxication disturbances and uncoupling effects in vitro of some chlorinated guaiacols, catechols and benzoquinones. Lundberg P, et al. **Chem Biol Interact** 1980 Nov; 32(3):281-90

Antifertility properties of Embelia ribes. Krishnaswamy M, et al. **Indian J Exp Biol** 1980 Jun;18(6):638-9

Antifertility properties of Embelia ribes : (embelin). Krishnaswamy M, et al. **Indian J Exp Biol** 1980 Nov; 18(11):1359-60

Reduction of adriamycin to a semiquinone-free radical by NADPH cytochrome P-450 reductase produces DNA cleavage in a reaction mediated by molecular oxygen. Berlin V, et al. **J Biol Chem** 1981 May 25;256(10):4747-56

Vitamin K3 (menadione) and related quinones, like tumor-promoting phorbol esters, alter the affinity of epidermal growth factor for its membrane receptors. Shoyab M, et al. **J Biol Chem** 1980 Sep 25;255(18):8735-9

Structure--activity relationships in the mutagenicity of quinone methides of 7-hydroxyflavylium salts for Salmonella typhimurium. Sweeny JG, et al. **Mutat Res** 1981 Jul;82(2):275-83

Antifertility investigations on embelin -- an oral contraceptive of plant origin. Part I -- Biological properties. Prakash AO. **Planta Med** 1981 Mar;41(3):259-66

[Studies on fungal products. V. Antimicrobial aspects of quinone derivatives (author's transl)] Matsueda S, et al. **Yakugaku Zasshi** 1980 Sep;100(9):900-2 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

[Healing of lesions on the guinea pig femur under administration of flavichromin] Schargus G, et al. **Dtsch Zahnaerztl Z** 1980 Jan;35(1):121-3 (Eng. Abstr.) **(Ger)**

TOXICITY

Toxicity of benzoquinone and hydroquinone in short-term bacterial bioassays. Trevors JT, et al. **Bull Environ Contam Toxicol** 1980 Oct;25(4):672-5

Inhibition of microsomal metabolism and chemical oncogenesis in culture by naphthalene quinones. Nesnow S, et al. **J Environ Pathol Toxicol** 1980 Nov;4(5-6):17-30

Toxicity of substituted p-benzoquinones found in the secretion of tenebrionid flour beetles. Omaye ST, et al. **Proc West Pharmacol Soc** 1981;24:169-71

QUINOXALINES

Structure of TANDEM and its implication for bifunctional intercalation into DNA. Viswamitra MA, et al. **Nature** 1981 Feb 26;289(5800):817-9

[The antibacterial, quinoxaline 1,4-dioxide] Novaček L. **Cesk Farm** 1981 Feb;30(1):26-32 **(Cze)**

ADMINISTRATION & DOSAGE

[Therapeutic effectiveness in chronic infectious and inflammatory complications of occupational lung diseases using dioxidine by aerosol inhalation or intra-tracheal administration] Ashbel' SI, et al. **Gig Tr Prof Zabol** 1981 Mar;(3):36-9 (Eng. Abstr.) **(Rus)**

[Dioxidine-furacillin tracheobronchial infusions in the complex treatment of chronic bronchopulmonary diseases] Andrenko PT, et al. **Vrach Delo** 1980 Nov;(11):15-7 (Eng. Abstr.) **(Rus)**

ANALYSIS

Quantitation of 2-ketoacids in biological fluids by gas chromatography chemical ionization mass spectrometry of O-trimethylsilyl-quinoxalinol derivatives. Rocchiccioli F, et al. **Biomed Mass Spectrom** 1981 Apr;8(4):160-4

Sample preparation of carbadox, furazolidone, nitrofurazone, and ethopabate in medicated feeds for high pressure liquid chromatography. Thorpe VA. **J Assoc Off Anal Chem** 1980 Sep;63(5):981-4

CHEMICAL SYNTHESIS

Studies on furan derivatives. X. Preparation of 2-substituted 3-(5-nitro-2-furyl)guinoxaline 1,4-dioxides and determination of their antibacterial activity. Tanaka A, et al. **Chem Pharm Bull (Tokyo)** 1981 Jan;29(1):110-5

Piperazinylquinoxalines with central serotoninmimetic activity. Lumma WC Jr, et al. **J Med Chem** 1981 Jan; 24(1):93-101

[1,6-Disubstituted 3-methylquinoxalin-2(1H)-ones. Effect on acquisition and modification of a conditioned avoidance response in the rat] Alamanni MC, et al. **Farmaco [Sci]** 1981 May;36(5):359-71 (Eng. Abstr.) **(Ita)**

ISOLATION & PURIFICATION

The alpha-keto acids of branched-chain amino acids: simplified derivatization for physiological samples and complete separation as quinoxalinols by packed column gas chromatography. Schwarz HP, et al. **Anal Biochem** 1980 Nov 1;108(2):360-6

METABOLISM

Interaction between synthetic analogues of quinoxaline antibiotics and nucleic acids: role of the disulphide cross-bridge and D-amino acid centres in des-N-tetramethyl-triostin A. Fox KR, et al. **Br J Pharmacol** 1980 Sep;70(1):25-40

PHARMACODYNAMICS

R plasmid with carbadox resistance from Escherichia coli of porcine origin. Ohmae K, et al. **Antimicrob Agents Chemother** 1981 Jan;19(1):86-90

Vasorelaxant action of caroverine fumarate (a quinoxaline derivative), a calcium-blocking agent. Ishida Y, et al. **Br J Pharmacol** 1980;71(1):343-8

Effect of a synthetic antimicrobial agent on the rates of synthesis and degradation of liver and skeletal muscle proteins in growing rats. Bajjalieh NL, et al. **J Nutr** 1981 Mar;111(3):563-7

The mutagenic action of quindoxin, carbadox, olaquindox and some other N-oxides on bacteria and yeast. Voogd CE, et al. **Mutat Res** 1980 Jul;78(3):233-42

DNA damage induced with near-ultraviolet light irradiation in the presence of quinoxaline-1,4-dioxide. Negishi K, et al. **Nucleic Acids Symp Ser** 1980;(8):s105-6

[The effect of the non-antibiotic growth stimulators, Carbadox and Cyadox, on reproduction in laboratory animals] Sýkora I, et al. **Vet Med (Praha)** 1981;26(6):367-77 (Eng. Abstr.) **(Cze)**

[Influence of the amount of lipid calories in the diet on the nutritional effects of oxythioquinox in the rat] Carrera G, et al. **Nutr Metab** 1980;24(2):76-90 (Eng. Abstr.) **(Fre)**

[Antimicrobial activity of selected quinoxalines (author's transl)] Metzner J, et al. **Pharmazie** 1981 May;36(5):368-70 (Eng. Abstr.) **(Ger)**

[Cytostatic and cytopathogenic effect of 1,4-dioxyquinoxaline and its derivatives on human fibroblast cell cultures in vitro] Truchlinski J, et al. **Med Dosw Mikrobiol** 1980;32(3):221-7 (Eng. Abstr.) **(Pol)**

[Nature of the mutagenic action of dioxidine on bacteria] Fonshtein LM, et al. **Tsitol Genet** 1980 Jan-Feb;14(1):60-5 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Carbadox and lincomycin in the treatment and carrier state control of swine dysentery. Rainier RH, et al. **Am J Vet Res** 1980 Sep;41(9):1349-56

Comparison of lincomycin and carbadox for treatment and control of swine dysentery. Van Buren JW. **Mod Vet Pract** 1981 Feb;62(2):142-4

TOXICITY

Mutagenicity of carbadox and several quinoxaline 1,4-dioxide derivatives. Negishi T, et al. **Chem Pharm Bull (Tokyo)** 1980;28(4):1347-9

[Multicomponent ointment in a water-soluble base with dioxidine] Datsenko BM, et al. **Klin Khir** 1981 Jan;(1):43-5 (Eng. Abstr.) **(Rus)**

QUINTERENOL see under **ETHANOLAMINES**

QUINTUPLETS

Medical, social and psychological aspects of quintuplet pregnancy and delivery. Neri A, et al. **Isr J Med Sci** 1981 May;17(5):355-8

Quintuplet gestation. A case report. Botha MC, et al. **S Afr Med J** 1981 Aug 29;60(9):364-6

QUINUCLIDINES

The interaction of mequitazine with phospholipid model membranes. Ahmed M, et al. **Chem Phys Lipids** 1980 Oct; 27(3):251-62

ADMINISTRATION & DOSAGE

[Experience in using the new antiallergy preparation fencarol] Nogaller AM, et al. **Sov Med** 1981;(5):93-5 **(Rus)**

CHEMICAL SYNTHESIS

[3-Aminoquinuclidine carbamates, ureas, thio-ureas derivatives with potential parasiticidal activity (author's transl)] Gauthier B, et al. **Ann Pharm Fr** 1980 Oct; 38(4):359-66 (Eng. Abstr.) **(Fre)**

METABOLISM

Correlation between cholinergic histamine release and quinuclidinyl-benzilate ([3H]-QNB) binding in mast cell membranes. Masini E, et al. **Agents Actions** 1981 Apr; 11(1-2):55-9

Isolated parietal cells: [3H]QNB binding to putative cholinergic receptors. Ecknauer R, et al. **Am J Physiol** 1980 Sep;239(3):G204-9

[3H]Quinuclidinyl benzilate binding to muscarinic receptors and [3H]WB-4101 binding to alpha-adrenergic receptors in rabbit iris. Comparison of results in slices and microsomal fractions. Taft WC Jr, et al. **Biochem Pharmacol** 1980 Oct 15;29(20):2713-20

The uptake of amines by polymorphonuclear leukocytes. Dulis BH, et al. **Biochim Biophys Acta** 1981 May 6; 643(2):398-406

125I-Labeled alpha-bungarotoxin and [3H]quinuclidinylbenzilate binding to rat brain membranes. Effects of physical, chemical and enzymatic treatments. Salvaterra PM. **Biochim Biophys Acta** 1980 Sep 2; 601(1):78-91

Binding of [3H]quinuclidinyl benzilate to regions of rat pituitary and hypothalamus. Hoover DB, et al. **Brain Res Bull** 1981 Mar;6(3):209-11

Development of muscarinic receptor binding in spinal cord cell cultures and its reduction by glutamic and kainic acids. Brookes N, et al. **Dev Neurosci** 1980;3(3):118-27

Inhibition by local anesthetics, phentolamine and propranolol of [3H]quinuclydinyl benzylate binding to central muscarinic receptors. Aguilar JS, et al. **Eur J Pharmacol** 1980 Dec 5;68(3):317-26

Properties and distribution of muscarinic cholinergic receptors in rat striatal micropunched tissue homogenates. Takano Y, et al. **Eur J Pharmacol** 1981 Apr 9;70(4):559-64

Influence of prenatal hypoxia on brain development: effects on body weight, brain weight, DNA, protein, acetylcholinesterase, 3-quinuclidinyl benzilate binding, and in vivo incorporation of [14C]lysine into subcellular fractions. Gross J, et al. **J Neurochem** 1981 Jul;37(1):229-37

Quinuclidinyl benzilate binding in house fly heads and rat brain. Jones SW, et al. **J Neurochem** 1981 Feb;36(2):454-9

Evidence for muscarinic receptors on rat colonic epithelial cells: binding of [3H]quinuclidinyl benzilate. Rimele TJ, et al. **J Pharmacol Exp Ther** 1981 Aug;218(2):426-34

Does rigidity in structure of muscarinic agonists and antagonists reflect drug specificity? Fisher A, et al. **Monogr Neural Sci** 1980;7:41-54

PHARMACODYNAMICS

Structure and conformation activity relationships of heterocyclic acetylcholine analogues. X. The inhibitory effect of 3-quinuclidinyl benzilates on cardiac muscarinic receptors. Lambrecht G. **Arzneimittelforsch** 1980; 30(12):2113-5

[Studies on the barbital-type physical dependence liability of mequitazine in mice and rats (author's transl)] Kaneto H. **J Toxicol Sci** 1981 Feb;6(1):61-70 (Eng. Abstr.) **(Jpn)**

[Effect of new antihistaminic preparations on the body's immunologic reactivity] Mashkovskii MD, et al. **Biull Eksp Biol Med** 1981 Mar;91(3):340-2 (Eng. Abstr.) **(Rus)**

[Effect of the antihistamine preparation, phencarol, on the central nervous system] Kaminka ME, et al. **Farmakol Toksikol** 1980 Mar-Apr;43(2):148-53 (4 ref.) (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

A preclinical study of EO-122, a new lidocaine-like antiarrhythmic drug. Oppenheimer E, et al. **Angiology** 1980 Jun;31(6):410-26

Effect of aceclidine(+) isomer and pilocarpine on the intraocular pressure decrease and the miosis in glaucomatous eyes. Effect on accommodation in normal eyes of young subjects. Keren G, et al. **Ophthalmologica** 1980;180(4):181-7

[Long term medical treatment of ulcer excluding acute attacks] Bleger G. **Med Chir Dig** 1980;9(5):453-6 **(Fre)**

[Mequitazine and placebo, double blind trial, in outpatients (author's transl)] Dry J, et al. **Therapie** 1980 Mar-Apr; 35(2):189-95 (Eng. Abstr.) **(Fre)**

[Treatment of pollen-induced hay fever with a new antihistaminic preparation phencarol] Voronkin VF, et al. **Vestn Otorinolaringol** 1980 Nov-Dec;(6):55-8 (Eng. Abstr.) **(Rus)**

QUINUCLIDINYL BENZILATE see under **QUINUCLIDINES**

QUIPAZINE see under **QUINOLINES**

R 2323 see under **NORPREGNATRIENES**

R 5020 see under **NORPREGNADIENES**

R FACTORS

Cryptic plasmids in Enterobacteriaceae of the Bethesda-Ballerup group. Zylbersztein C, et al. **Acta Cient Venez** 1979;30(6):594-7

In vitro transfer of multiple resistance observed in vivo during a Salmonella london epidemic. Lantos J, et al. **Acta Microbiol Acad Sci Hung** 1980;27(1):47-53

Salmonella typhi R-plasmids in Hungary. László VG, et al. **Acta Microbiol Acad Sci Hung** 1980;27(4):325-32

Isolation of ineffective and high-effective mutant strains of Rhizobium species using translocatable drug-resistance elements as mutagens. Plaziński J. **Acta Microbiol Pol** 1981; 30(1):89-95

Aspects of the plasmid-mediated antibiotic resistance and epidemiology of Klebsiella species. Casewell MW, et al. **Am J Med** 1981 Feb;70(2):459-62

Evolution of antimicrobial resistance and nosocomial infection. Lessons from the Vanderbilt experience. Schaberg DR, et al. **Am J Med** 1981 Feb;70(2):445-8

Incompatibility of R plasmids derived from Salmonella and Escherichia coli strains isolated simultaneously from a bovine fecal sample. Ishiguro N, et al. **Am J Vet Res** 1980 Dec;41(12):1982-6

R-factor responsible for an outbreak of multiply antibiotic-resistant Klebsiella pneumoniae. Courtney MA, et al. **Antimicrob Agents Chemother** 1980 Dec;18(6):926-9

Quantitative correlation between penicillin resistance and beta-lactamase activity specified by the R plasmids R1, R1 bla-45, and RP1 in Escherichia coli K-12. Crowlesmith I, et al. **Antimicrob Agents Chemother** 1980 Nov;18(5):675-9

Characterization of beta-lactamase-deficient (bla) mutants of the R plasmid R1 in Escherichia coli K-12 and comparison with similar mutants of RP1. Crowlesmith I, et al. **Antimicrob Agents Chemother** 1980 Nov;18(5):667-74

Incidence of R-plasmids in fecal flora of healthy household dogs. Hirsh DC, et al. **Antimicrob Agents Chemother** 1980 Mar;17(3):313-5

Identification of R plasmids mediating gentamicin resistance from Escherichia coli strains in Japan. Ike Y, et al. **Antimicrob Agents Chemother** 1981 Jun;19(6):1070-2

New translocation sequence mediating tetracycline resistance found in Escherichia coli pathogenic for piglets. Jørgensen ST, et al. **Antimicrob Agents Chemother** 1980 Jul; 18(1):200-5

R-factor carriage in a group F vibrio isolated from Bangladesh. McNicol LA, et al. **Antimicrob Agents Chemother** 1980 Mar;17(3):512-5

R plasmid with carbadox resistance from Escherichia coli of porcine origin. Ohmae K, et al. **Antimicrob Agents Chemother** 1981 Jan;19(1):86-90

Relationship between R and FP plasmids in Pseudomonas aeruginosa. Royle PL, et al. **Antimicrob Agents Chemother** 1980 Mar;17(3):293-7

Drug resistance and R plasmids of Escherichia coli strains isolated from pigs, slaughterers, and breeders of pigs in Japan. Saida K, et al. **Antimicrob Agents Chemother** 1981 Jun;19(6):1032-6

Parameters controlling interbacterial plasmid spreading in a gnotoxenic chicken gut system: influence of plasmid and bacterial mutations. Sansonetti P, et al. **Antimicrob Agents Chemother** 1980 Mar;17(3):327-33

Transferable tetracycline resistance in Clostridium difficile. Smith CJ, et al. **Antimicrob Agents Chemother** 1981 Jun; 19(6):997-1003

Molecular nature of a streptomycin and sulfonamide resistance plasmid (pBP1) prevalent in clinical Escherichia coli strains and integration of an ampicillin resistance transposon (TnA). van Treeck U, et al. **Antimicrob Agents Chemother** 1981 Mar;19(3):371-80

The effect of a plasmid on growth and survival of E. coli. Dale JW, et al. **Antonie Van Leeuwenhoek** 1979; 45(1):103-11

Persistence of the pBR 322 plasmid in Escherichia coli K 12 grown in chemostat cultures. Wouters JT, et al. **Antonie Van Leeuwenhoek** 1980;46(4):353-62

Incidence of R factors in coliform, fecal coliform, and Salmonella populations of the Red River in Canada. Bell JB, et al. **Appl Environ Microbiol** 1980 Sep;40(3):486-91

Antibiotic resistance and R-plasmids in food chain Salmonella: evidence of plasmid relatedness. Bezanson GS, et al. **Appl Environ Microbiol** 1981 Mar;41(3):585-92

Transient loss of plasmid-mediated mercuric ion resistance after stress in Pseudomonas aeruginosa. Calcott PH. **Appl Environ Microbiol** 1981 Jun;41(6):1348-54

Incidence of lysogeny, colicinogeny, and drug resistance in enterobacteria isolated from sewage and from rectum of humans and some domesticated species. Dhillon TS, et al. **Appl Environ Microbiol** 1981 Apr;41(4):894-902

R-plasmid transfer frequencies from environmental isolates of Escherichia coli to laboratory and fecal strains. Shaw DR, et al. **Appl Environ Microbiol** 1980 Oct;40(4):756-64

Expression of Klebsiella his and nif genes in Serratia marcescens, Erwinia herbicola and Proteus mirabilis. Krishnapillai V, et al. **Arch Microbiol** 1980 Sep; 127(2):115-8

Role of hydrogen sulfide in mercury resistance determined by plasmid of Clostridium cochlearium T-2. Pan-Hou HS, et al. **Arch Microbiol** 1981 Mar;129(1):49-52

Detection of R plasmids with a restrictive effect on phage-bacteria Shigella flexneri and Shigella sonnei systems. Rusu V, et al. **Arch Roum Pathol Exp Microbiol** 1980 Apr-Jun; 39(2):113-20

Detection of R plasmids with a restrictive effect on phage-bacteria Salmonella systems. Rusu V, et al. **Arch Roum Pathol Exp Microbiol** 1980 Oct-Dec; 39(4):341-52

Plasmid specification of resistance to antibacterial compounds in environmental Citrobacter freundii. Austen RA, et al. **Can J Microbiol** 1981 Mar;27(3):343-9

Consequences of interaction between F plasmid and a drug-resistance plasmid belonging to incompatibility group F1. Katz L, et al. **Can J Microbiol** 1980 Jan;26(1):94-101

The effect of R plasmids and antibiotics on the UV recovery of Escherichia coli strain B. LaBrie DA. **Can J Microbiol** 1980 Dec;26(12):1465-72

Genetic studies of H group plasmids by bacteriophage P1 transduction. Taylor DE, et al. **Can J Microbiol** 1981 Feb; 27(2):175-83

Effect of an R plasmid on the virulence of a hospital strain of Escherichia coli. Michel J, et al. **Chemotherapy** 1980; 26(6):427-30

IS-like element IS8 in RP4 plasmid and its involvement in cointegration. Depicker A, et al. **Gene** 1980 Sep; 10(4):329-38

Direct repetition of a 1.2 Md DNA sequence is involved in site-specific recombination by the P1 plasmid R68. Leemans J, et al. **Gene** 1980 Sep;10(4):319-28

R68.45, a plasmid with chromosome mobilizing ability (Cma) carries a tandem duplication. Riess G, et al. **Genet Res** 1980 Aug;36(1):99-109

Further evidence on the cytoplasmic existence of polymyxin resistance factor in Vibrio cholerae-- 'Eltor'. Sridhar P, et al. **Indian J Exp Biol** 1980 Oct;18(10):1194-5

Typhoid fever due to chloramphenicol resistant Salmonella typhi associated with R-plasmid. Agarwal KC, et al. **Indian J Med Res** 1981 Apr;73:484-8

R-plasmids in intestinal Escherichia coli of normal and hospital population. Dutta R, et al. **Indian J Med Res** 1980 Dec;72:794-801

Transferable drug resistance in Salmonella typhimurium. Panhotra BR, et al. **Indian J Med Res** 1981 Apr;73:489-93

R-factors in enteropathogenic Escherichia coli associated with diarrhoeal disease in children. Sarkar R, et al. **Indian J Med Res** 1980 Aug;72:174-8

Properties of gentamicin adenylyl transferase obtained from R-factor-resistant Escherichia coli. Lombardini JB, et al. **Int J Biochem** 1980;12(3):427–31

Characterization of the tobramycin–kanamycin–neomycin resistance plasmid in Staphylococcus epidermidis. Hecht DW, et al. **J Antibiot (Tokyo)** 1980 Aug;33(8):891–4

Plasmid studies of drug-resistant epidemic strains of Salmonella typhimurium belonging to phage types 204 and 193. Willshaw GA, et al. **J Antimicrob Chemother** 1980 Nov;6(6):763–73

Effect of R-plasmid RP1 and nutrient depletion on the resistance of Escherichia coli to cetrimide, chlorhexidine and phenol. Klemperer RM, et al. **J Appl Bacteriol** 1980 Jun;48(3):349–57

Genetic transformation of Streptococcus pneumoniae by heterologous plasmid deoxyribonucleic acid. Barany F, et al. **J Bacteriol** 1980 Nov;144(2):698–709

Conjugative R plasmids in group C and G streptococci. Bougueleret L, et al. **J Bacteriol** 1981 Feb;145(2):1102–5

Specification of surface mating systems among conjugative drug resistance plasmids in Escherichia coli K-12. Bradley DE, et al. **J Bacteriol** 1980 Sep;143(3):1466–60

Plasmid-mediated resistance to aminocyclitol antibiotics in group D streptococci. Courvalin P, et al. **J Bacteriol** 1980 Aug;143(2):541–51

Plasmid replication functions: two distinct segments of plasmid R1, RepA and RepD, express incompatibility and are capable of autonomous replication. Danbara H, et al. **J Bacteriol** 1980 Dec;144(3):1126–38

Tetracycline resistance genes from Bacillus plasmid pAB124 confer decreased accumulation of the antibiotic in Bacillus subtilis but not in Escherichia coli. Eccles S, et al. **J Bacteriol** 1981 Mar;145(3):1417–20

Biochemical and immunological characterization of an R plasmid-encoded protein with properties resembling those of major cellular outer membrane proteins. Ferrazza D, et al. **J Bacteriol** 1980 Oct;144(1):149–58

Structural instability of IncP-1 plasmids in Pseudomonas aeruginosa PAT involves interaction with plasmid pVS1. Godfrey AJ, et al. **J Bacteriol** 1980 Nov;144(2):622–9

Naturally occurring plasmids exhibiting incompatibility with members of incompatibility groups I and P. Grant AJ, et al. **J Bacteriol** 1980 Nov;144(2):758–65

R-factor cointegrate formation in Salmonella typhimurium bacteriophage type 201 strains. Helmuth R, et al. **J Bacteriol** 1981 May;146(2):444–52

A mutant defective in partitioning of composite plasmid Rms201. Ike Y, et al. **J Bacteriol** 1981 Aug;147(2):578–88

Origin of Haemophilus influenzae R factors. Laufs R, et al. **J Bacteriol** 1981 Aug;147(2):563–8

Structure of a naturally occurring plasmid with genes for enterotoxin production and drug resistance. Mazaitis AJ, et al. **J Bacteriol** 1981 Jan;145(1):97–105

Genetic organization of the broad-host-range IncP-1 plasmid R751. Meyer RJ, et al. **J Bacteriol** 1980 Sep; 143(3):1362–73

I-like R plasmids promote degradation of stable ribonucleic acid in Escherichia coli. Ohnishi Y, et al. **J Bacteriol** 1980 Nov;144(2):833–5

High-frequency chromosome transfer in Rhodopseudomonas sphaeroides promoted by broad-host-range plasmid RP1 carrying mercury transposon Tn501. Pemberton JM, et al. **J Bacteriol** 1981 Jul;147(1):110–7

Molecular characterization of 'plasmid-free' antibiotic-resistant Haemophilus influenzae. Roberts MC, et al. **J Bacteriol** 1980 Oct;144(1):476–9

Mechanism of additive genetic transformation in Haemophilus influenzae. Stuy JH. **J Bacteriol** 1980 Dec; 144(3):999–1002

Energy-dependent efflux of cadmium coded by a plasmid resistance determinant in Staphylococcus aureus. Tynecka Z, et al. **J Bacteriol** 1981 Aug;147(2):313–9

Reduced cadmium transport determined by a resistance plasmid in Staphylococcus aureus. Tynecka Z, et al. **J Bacteriol** 1981 Aug;147(2):305–12

Physical characterization of Bacteroides fragilis R plasmid pBF4. Welch RA, et al. **J Bacteriol** 1981 Feb;145(2):867–72

Amplification of the tetracycline resistance determinant of plasmid pAM alpha 1 in Streptococcus faecalis: dependence on host recombination machinery. Yagi Y, et al. **J Bacteriol** 1980 Aug;143(2):1070–2

Transposition of the oxacillin-hydrolyzing penicillinase gene. Yamamoto T, et al. **J Bacteriol** 1981 Feb;145(2):808–13

The region controlling the thermosensitive effect of plasmid Rts1 on host growth is separate from the Rts1 replication region. Yamamoto T, et al. **J Bacteriol** 1981 Apr; 146(1):85–92

Three origins of replication are active in vivo in the R plasmid RSF1040. Crosa JH. **J Biol Chem** 1980 Dec 10; 255(23):11075–7

Use of agarose gel electrophoresis of plasmid deoxyribonucleic acid to fingerprint gram-negative bacilli. Schaberg DR, et al. **J Clin Microbiol** 1981 Jun;13(6):1105–8

Mobilization of the Proteus morganii chromosome by R plasmids. Beck Y, et al. **J Gen Microbiol** 1980 Jun; 118(2):539–42

Evidence for two mechanisms of plasmid transfer in mixed cultures of Staphylococcus aureus. Lacey RW. **J Gen Microbiol** 1980 Aug;119(Pt 2):423–35

Rarity of gene transfer between animal and human isolates of Staphylococcus aureus in vitro. Lacey RW. **J Gen Microbiol** 1980 Aug;119(Pt 2):437–42

Transposable gentamicin resistance in IncW plasmids from Hammersmith Hospital. Nugent ME, et al. **J Gen Microbiol** 1980 Nov;121(1):259–62

Naturally occurring R.ColBM plasmids belonging to the IncFIII incompatibility group. Säsärman A, et al. **J Gen Microbiol** 1980 Aug;119(Pt 2):475–83

Genetic and molecular characterization of R plasmids incompatible with R387 (IncK). Tschäpe H, et al. **J Gen Microbiol** 1980 Jun;118(2):515–21

Genetical relationship between R plasmids derived from Salmonella and Escherichia coli obtained from a pig farm, and its epidemiologial significance. Ishiguro N, et al. **J Hyg (Lond)** 1980 Jun;84(3):365–79

Transfer of gentamicin resistance between coagulase-negative and coagulase-positive staphylococci on skin. Naidoo J, et al. **J Hyg (Lond)** 1981 Apr;86(2):183–7

Diversity of plasmids responsible for multiple resistance in Klebsiella serotype K2. Richards H, et al. **J Hyg (Lond)** 1981 Apr;86(2):189–94

Antibiotic-resistant Escherichia coli in market pigs in 1956–1979: the emergence of organisms with plasmid-borne trimethoprim resistance. Smith HW. **J Hyg (Lond)** 1980 Jun;84(3):467–77

Transfer of gentamicin resistance between cultures of Staphylococcus aureus in nutrient broth, serum and urine. Lacey RW, et al. **J Med Microbiol** 1980 Aug;13(3):411–21

Resistance transfer in mixed cultures of Staphylococcus aureus. Meijers JA, et al. **J Med Microbiol** 1981 Feb; 14(1):21–39

Incidences of antibiotic resistant fecal Escherichia coli strains isolated from healthy human in Tokyo area in 1978 and their conjugative R plasmids. Arai T, et al. **Keio J Med** 1980 Apr;29(1):39–45

Acquisition of resistance by Salmonella typhi in vivo [letter] Robins-Browne RM, et al. **Lancet** 1981 Jul 18;2(8238):148

Emergence in the Netherlands of penicillinase-producing gonococci carrying 'Africa' plasmid in combination with transfer plasmid [letter] van Embden JD, et al. **Lancet** 1981 Apr 25;1(8226):938

Fate of plasmids containing Mu DNA: chromosome association and mobilization. Bialy H, et al. **MGG** 1980; 180(2):377–83

Copy number control and incompatibility of plasmid R1: identification of a protein that seems to be involved in both processes. Burger KJ, et al. **MGG** 1981;182(1):44–52

Transposition of Tn 1 to the Rhizobium meliloti genome. Casadesús J, et al. **MGG** 1980;180(2):405–10

Isolation and characterization of lambda phages carrying the basic replicon of the resistance plasmid R1. Dreisig H, et al. **MGG** 1981;182(1):148–53

Regulation of plasmid DNA synthesis: isolation and characterization of copy number mutants of miniR6-5 and miniF plasmids. Ely S, et al. **MGG** 1981;181(1):29–35

Isolation and characterization of new copy mutants of plasmid R1, and identification of a polypeptide involved in copy number control. Molin S, et al. **MGG** 1981; 181(1):123–30

Mating due to loss of surface exclusion as a cause for thermosensitive growth of bacteria containing the Rtsl plasmid. Ou JT. **MGG** 1980;180(3):501–10

Genes and sites involved in replication and incompatibility of an R100 plasmid derivative based on nucleotide sequence analysis. Rosen J, et al. **MGG** 1980;179(3):527–37

Production of extrachromosomal r-determinant circles from integrated R100.1: involvement of the E. coli recombination system. Silver L, et al. **MGG** 1980; 179(3):565–71

Nucleotide sequence of the region of the origin of replication of the broad host range plasmid RK2. Stalker DM, et al. **MGG** 1981;181(1):8–12

The nucleotide sequence of the replication control region of the resistance plasmid R1drd-19. Stougaard P, et al. **MGG** 1981;181(1):116–22

Replication and incompatibility properties of segments of the origin region of replication of the broad host range plasmid RK2. Thomas CM, et al. **MGG** 1981;181(1):1–7

A possible role of R plasmids in bacterial permeability for beta-lactam antibiotics. Ikeuchi T, et al. **Microbiol Immunol** 1981;25(4):333–44

Interrelationships between the effects of the plasmids R205 and R144 on spontaneous and induced mutation yields in Salmonella typhimurium. Diver WP, et al. **Mutat Res** 1981 Jul–Sep;91(4–5):327–32

Alteration of plasmid DNA-mediated transformation and mutation induced by covalent binding of benzo[alpha]pyrene-7,8-dihydrodiol-9,10-oxide in Escherichia coli. Mizusawa H, et al. **Mutat Res** 1981 Jun; 82(1):47–57

Resistance to nitrofurantoin conferred by the drug-resistance factor R46. Oliver P. **Mutat Res** 1981 Jul–Sep; 91(4–5):297–9

Recombination between short DNA homologies causes tandem duplication. Edlund T, et al. **Nature** 1981 Jul 16; 292(5820):269–71

Role of RNA transcripts in replication incompatibility and copy number control in antibiotic resistance plasmid derivatives. Rosen J, et al. **Nature** 1981 Apr 30; 290(5809):794–7

Characterization of a R plasmid-associated, trimethoprim-resistant dihydrofolate reductase and determination of the nucleotide sequence of the reductase gene. Zolg JW, et al. **Nucleic Acids Res** 1981 Feb 11; 9(3):697–710

A physical and genetic map of the IncN plasmid R46. Brown AM, et al. **Plasmid** 1981 Mar;5(2):188–201

A novel plasmid-mediated DNA restriction-modification system in E. coli. Glatman LI, et al. **Plasmid** 1980 Nov; 4(3):350–1

Conjugative transfer of multiple-antibiotic resistance markers in beta-hemolytic group A, B, F, and G streptococci in the absence of extrachromosomal deoxyribonucleic acid. Horodniceanu T, et al. **Plasmid** 1981 Mar;5(2):127–37

Replication properties of plasmic R6K. Kolter R. **Plasmid** 1981 Jan;5(1):2–9 (32 ref.)

Partitioning of plasmid R1 in Escherichia coli. II. Incompatibility properties of the partitioning system. Nordström K, et al. **Plasmid** 1980 Nov;4(3):332–9

A rapid method of determining the incompatibility group of R plasmid. Palomares JC, et al. **Plasmid** 1980 Nov; 4(3):352–3

Complementation analysis in Pseudomonas aeruginosa of the transfer genes of the wide host range R plasmid R18. Stokes HW, et al. **Plasmid** 1981 Mar;5(2):202–12

Molecular genetics of broad host range plasmid RK2. Thomas CM. **Plasmid** 1981 Jan;5(1):10–9 (50 ref.)

Analysis of two chloramphenicol resistance plasmids from Staphylococcus aureus: insertional inactivation of Cm resistance, mapping of restriction sites, and construction of cloning vehicles. Wilson CR, et al. **Plasmid** 1981 May; 5(3):245–58

Genetic and DNA sequence analysis of the kanamycin resistance transposon Tn903. Grindley ND, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7176–80

R-factor mediated gentamicin resistance in 'Klebsiella aerogenes'. A new problem in nosocomial infection. Casewell MW. **Quad Sclavo Diagn** 1979 Jun;15 Suppl 1:419–33

Transmissible drug resistance in human and animal trains of Enterobacteriaceae and Pseudomonas aeruginosa. Adetosoye AI. **Res Vet Sci** 1980 Nov;29(3):342–5

Resistance factors: influence on netilmicin activity. Kallings LO. **Scand J Infect Dis [Suppl]** 1980;Suppl 23:54–8

Infectious drug resistance in E. coli isolated from livestock. Adetosoye AI. **Zentralbl Bakteriol [A]** 1980 Jun; 247(1):25–34

Reactivity of isolated lipopolysaccharides of enterobacterial R mutants with complete or incomplete core structures with lectins. Ahamed NM, et al. **Zentralbl Bakteriol [A]** 1980;247(4):468–82

Studies on R-plasmid-determined drug resistance in serotypes 792 (E. coli O 28a28c:K73) and 145–46 (E. coli O 164). Trifonova A, et al. **Zentralbl Bakteriol [A]** 1980; 248(1):38–44

[Chlortetracycline residues in the meat of slaughter calves in relation to transmissible microbial resistance to antibiotics] Maliková M, et al. **Vet Med (Praha)** 1980; 25(10):627–34 (Eng. Abstr.) **(Cze)**

[Characterization of R plasmids in 'Salmonella typhi' and 'S. paratyphi B' from Algeria (author's transl)] Akache W, et al. **Ann Microbiol (Paris)** 1980 May–Jun;131(3):265–70 (Eng. Abstr.) **(Fre)**

[A study of chloramphenicol resistance in 'Salmonella' and identification of the relevant R plasmid (author's transl)] Petit S, et al. **Ann Microbiol (Paris)** 1981 Jan–Feb; 132A(1):69–80 (Eng. Abstr.) **(Fre)**

[Rapid detection and identification of plasmids belonging to the H incompatibility group and infecting epidemic strains of 'Salmonella typhi-murium' (author's transl)] Pohl P, et al. **Ann Microbiol (Paris)** 1980 May–Jun;131(3):315–9 (Eng. Abstr.) **(Fre)**

[Antibiotic resistance and transmission of R factors from E. coli and Salmonella typhimurium, isolated from food samples of animal origin] Biru G, et al. **DTW** 1981 May 5;88(5):181–4 (Eng. Abstr.) **(Ger)**

[Basis and importance of bacterial resistance to antibiotics (author's transl)] Sonnenschein B. **DTW** 1980 Aug 5; 87(8):299–303 (27 ref.) (Eng. Abstr.) **(Ger)**

[Examinations about the segregation of R-plasmids in E. coli and Klebsiella pneumoniae during nutrient broth passages (author's transl)] Dickgiesser N. **Zentralbl Bakteriol [A]** 1980 Mar;246(3):318–28 (Eng. Abstr.) **(Ger)**

[Role of phage in the transfer of plasmids in mixed cultures of Staphylococcus aureus (author's transl)] Witte W. **Zentralbl Bakteriol [A]** 1981;249(2):195–202 (Eng. Abstr.) **(Ger)**

[Antibiotic resistance and transfer in Enterobacteriaceae of avian origin] Scioli C, et al. **Boll Ist Sieroter Milan** 1980 Mar 31;59(1):4–11 (Eng. Abstr.) **(Ita)**

[Plasmid resistance to fosfomycin] Gaffodio AM, et al. **G Ital Chemioter** 1979 Jan–Dec;26(1–2):189–94 (Eng. Abstr.) **(Ita)**

[Epidemiology of R plasmid and transferable antibiotic-resistance (author's transl)] Andreoni O, et al. **Quad Sclavo Diagn** 1979 Jun;15 Suppl 1:395–405 (21 ref.) (Eng. Abstr.) **(Ita)**

[Research methods of R factors (author's transl)] Caroli G, et al. **Quad Sclavo Diagn** 1979 Jun;15 Suppl 1:611–9 (Eng. Abstr.) **(Ita)**

[Genetics of plasmid-mediated mercury resistance and organomercurials (author's transl)] Nakahara H. **Tanpakushitsu Kakusan Koso** 1980;25(4):243–57 (77 ref.) **(Jpn)**

[Genetic variability of microorganisms, determined by R plasmids. III. Genetic properties of plasmid aggregates]

Cebrat S. **Postepy Hig Med Dosw** 1980 Jan-Feb;34(1):29-45 (51 ref.) (Eng. Abstr.) **(Pol)**

[R factor in Salmonella strains isolated from urban sewage to be used in agriculture] Prażmo Z. **Przegl Epidemiol** 1980; 34(3):249-58 (Eng. Abstr.) **(Pol)**

[Antimicrobial drugs in poultry nutrition: resistance levels in Escherichia coli] Lopes CA, et al. **Arq Inst Biol (Sao Paulo)** 1979 Jul-Dec;46(3-4):87-92 (Eng. Abstr.) **(Por)**

[Characteristics of the resistance of Pseudomonas aeruginosa plasmids] Anisimova LA, et al. **Antibiotiki** 1981 Jun; 26(6):450-6 (Eng. Abstr.) **(Rus)**

[Simplified technic of determining the Enterobacteriaceae R-plasmid incompatibility groups suitable for epidemiologic studies] Belokrysenko SS. **Antibiotiki** 1981 Jul;26(7):509-14 (Eng. Abstr.) **(Rus)**

[Isolation and characteristics of deletion mutants of thermosensitive plasmid pEG1] Danilevich VN, et al. **Genetika (Moskva)** 1980;16(11):1958-66 (Eng. Abstr.) **(Rus)**

[Restriction and electron microscopic analyses of deletion derivatives thermosensitive with respect to maintaining plasmid pEG1] Danilevich VN, et al. **Genetika (Moskva)** 1980;16(11):1947-57 (Eng. Abstr.) **(Rus)**

[Transposition of the determinant for penicillin resistance from factor RP1 to hemolysis plasmid Hly195] Fil'kova EV, et al. **Genetika (Moskva)** 1980;16(5):783-6 **(Rus)**

[Effect of antibiotic action on the fatty acid composition of strains of E. coli K12 bearing R-plasmids] Andreev LV, et al. **Izv Akad Nauk SSSR [Biol]** 1980 Sep-Oct;(5):738-46 (Eng. Abstr.) **(Rus)**

[Formation of donor strains of enteropathogenic Escherichia, serogroups O112ac, O129, O143, and Sh. boydii 8 using R-plasmids] Borisov LB, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Nov;(11):89-92 (Eng. Abstr.) **(Rus)**

[The study of the origin and development of R plasmid resistance to gentamycin (author's transl)] Antolová T, et al. **Cesk Epidemiol Mikrobiol Imunol** 1981 Apr;30(3):139-47 (Eng. Abstr.) **(Slo)**

[Transferable resistance to antibiotics in nosocomial strains of Escherichia coli causing meningitis in newborns (author's transl)] Beranová V, et al. **Cesk Epidemiol Mikrobiol Imunol** 1981 Jul;30(4):185-90 (Eng. Abstr.) **(Slo)**

[The increase of resistant enteric bacteria and the role of R plasmids (author's transl)] Akman M. **Mikrobiyol Bul** 1979 Jul;13(3):313-23 (Eng. Abstr.) **(Tur)**

DRUG EFFECTS

New mechanism of plasmid curing by psychotropic drugs. Molnár J, et al. **Acta Microbiol Acad Sci Hung** 1980; 27(4):309-15

Tn1 insertion in Col Ib plasmid. Skorupska A. **Acta Microbiol Pol** 1980;29(2):109-16

Effect of cinoxacin on the conjugal transfer of R-plasmids in Escherichia coli. Vuye A. **J Pharm Belg** 1980 Nov-Dec; 62(6):451-5

Plasmid curing in Escherichia coli isolated from diarrhoeic lambs and from a clinically healthy kid. Adetosoye AI. **Zentralbl Veterinaermed [B]** 1980;27(1):55-60

[Elimination of resistance to antibiotics and metal ions of hospital strains of Staphylococcus aureus] Młynarczyk A, et al. **Med Dosw Mikrobiol** 1980;32(1):1-8 (Eng. Abstr.) **(Pol)**

[Transduction of plasmid determinants of the resistance to antibiotics and metal ions of hospital strains of Staphylococcus aureus] Młynarczyk G, et al. **Med Dosw Mikrobiol** 1980;32(1):9-16 (Eng. Abstr.) **(Pol)**

[Determination of the nature of resistance to streptomycin and mercury salts of Pseudomonas aeruginosa strain primarily sensitive to other antibiotics] Najer A. **Med Dosw Mikrobiol** 1980;32(1):39-42 (Eng. Abstr.) **(Pol)**

[Shigella differentiation according to R factor affiliation with incompatibility groups taking into account antibiotic resistance spectra] Molochaeva IS, et al. **Antibiotiki** 1980 Oct;25(10):750-2 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

An Rts1-derivative plasmid conferring UV sensitivity on Escherichia coli host. Terawaki Y, et al. **Biochem Biophys Res Commun** 1980 Nov 28;97(2):694-9

RA 233 see under **PYRIMIDINES**

RABBIT POX VIRUS see under **POXVIRIDAE**

RABBITS

Intracranial hypertension and brain oedema in albino rabbits. Part I: Experimental models. James HE, et al. **Acta Neurochir (Wien)** 1981;55(3-4):213-26

Isolation of an adenovirus from rabbits with diarrhoea. Bodon L, et al. **Acta Vet Acad Sci Hung** 1981;28(3):247-55

Chronic cryptococcal meningitis: a new experimental model in rabbits. Perfect JR, et al. **Am J Pathol** 1980 Oct; 101(1):177-94

Experimentally induced chronic aflatoxicosis in rabbits. Clark JD, et al. **Am J Vet Res** 1980 Nov;41(11):1841-5

Activation of antibacterial silver coatings on surgical implants by direct current: preliminary studies in rabbits. Colmano G, et al. **Am J Vet Res** 1980 Jun;41(6):964-6

Clinical and pathologic features of chronic adriamycin toxicosis in rabbits. Van Vleet JF, et al. **Am J Vet Res** 1980 Sep;41(9):1462-9

Treatment of psoroptic mange with avermectins. Wilkins CA, et al. **Am J Vet Res** 1980 Dec;41(12):2112-4

Field trial with the coccidiostatics metichlorpindol and robenidine in a rabbit farm. Peeters JE, et al. **Ann Rech Vet** 1980;11(1):49-55

Association of human cytomegalovirus (HCMV) with mink and rabbit lung cells. Hart H, et al. **Arch Virol** 1981; 67(3):203-15

Pleural effusion disease agent as passenger of Treponema pallidum suspensions from rabbits. Survey of laboratories. Fennestad KL, et al. **Br J Vener Dis** 1980 Aug; 56(4):198-203

Cystic mammary disease in a rabbit. Hughes JE, et al. **J Am Vet Med Assoc** 1981 Jan 15;178(2):138-9

What is your diagnosis? Trichobezoar. Rambow VJ, et al. **J Am Vet Med Assoc** 1981 Sep 15;179(6):600, 602

Simple oral delivery device for inhalation exposure of rabbits to aerosols. Halpern M, et al. **J Toxicol Environ Health** 1980 Jul;6(4):751-5

Powassan virus infection in snowshoe hares (Lepus americanus). Zarnke RL, et al. **J Wildl Dis** 1981 Apr; 17(2):303-10

Simple diagnostic test for antibodies to Encephalitozoon cuniculi based on enzyme immunoassay. Cox JC, et al. **Lab Anim** 1981 Jan;15(1):41-3

Enterotoxaemia involving Clostridium perfringens iota toxin in a hysterectomy-derived rabbit colony. Eaton P, et al. **Lab Anim** 1980 Oct;14(4):347-51

Diagnosis of encephalitozoonosis: a simple method for collection of rabbit blood. Waller T, et al. **Lab Anim** 1979 Jul;13(3):207-8

A simple method of oral endotracheal intubation in rabbits (Oryctolagus cuniculus). Alexander DJ, et al. **Lab Anim Sci** 1980 Oct;30(5):871-3

A streptomycin dependent live Pasteurella multocida vaccine for the prevention of rabbit pasteurellosis. Chengappa MM, et al. **Lab Anim Sci** 1980 Jun;30(3):515-8

Oral papillomatosis in two laboratory rabbits in Mexico. Dominguez JA, et al. **Lab Anim Sci** 1981 Feb;31(1):71-3

Diagnostic exercise. Tyzzer's disease. Ganaway JR, et al. **Lab Anim Sci** 1981 Jun;31(3):249-50

Inflammatory exostosis and abscessation associated with Fusobacterium nucleatum in a rabbit. Ward GS, et al. **Lab Anim Sci** 1981 Jun;31(3):280-1

Vertebral fracture in a rabbit. Hammons JR. **Mod Vet Pract** 1980 Sep;61(9):779-80

Domestic rabbits: a new industry for New Zealand? Lifton JM. **NZ Vet J** 1980 Nov;28(11):221

Coccidiosis in rabbits: a field study. Peeters JE, et al. **Res Vet Sci** 1981 May;30(3):328-34

The rabbit as a laboratory animal for studies on Chagas' disease. Research note. Chiari E, et al. **Rev Inst Med Trop Sao Paulo** 1980 Jul-Aug;22(4):207-8

Effect of levamisole on the course of malignant catarrhal fever virus infection in rabbits. Mushi EZ, et al. **Trop Anim Health Prod** 1981 May;13(2):112

Clostridium perfringens type E enterotoxaemia in rabbits. Baskerville M, et al. **Vet Rec** 1980 Jul 5;107(1):18-9

Prerenal uraemia in the rabbit. Hinton M. **Vet Rec** 1980 Dec 6;107(23):532

Endometrial adenocarcinoma in a young rabbit. Lansdown AB, et al. **Vet Rec** 1980 Oct 11;107(15):353

Antibacterial effect of volatile fatty acids in enteric E. coli-infections of rabbits. Prohászka L. **Zentralbl Veterinaermed [B]** 1980;27(8):631-9

[Attempt to induce diarrhea in young rabbits with different dietary crude fiber contents (author's transl)] Licois D, et al. **Ann Rech Vet** 1980;11(3):279-84 (Eng. Abstr.) **(Fre)**

[Prophylactic efficacy of a polyether antibiotic, salinomycin, in bile duct coccidiosis of the rabbit] Lämmler G, et al. **Berl Muench Tieraerztl Wochenschr** 1980 Nov; 93(22):449-54 (Eng. Abstr.) **(Ger)**

[Histological and ultrastructural studies of thalamic melanosis in animals] Bestetti G, et al. **Schweiz Arch Tierheilkd** 1980 Nov;122(11):637-51 **(Ger)**

[Prophylactic effect of salinomycin against rabbit coccidiosis] Sambeth W, et al. **Zentralbl Veterinaermed [B]** 1980; 27(6):446-58 (Eng. Abstr.) **(Ger)**

[Development of acquired resistance and production of precipitating and complement-fixing antibodies in rabbits repeatedly infested with females of Haemaphysalis longicornis (Ixodoidea: Ixodidae) (author's transl)] Fujisaki K, et al. **Nippon Juigaku Zasshi** 1980 Oct;42(5):587-93 **(Jpn)**

[Concerning some problems of toxoplasmosis as a form of zoonosis (author's transl)] Catár G, et al. **Bratisl Lek Listy** 1981;76(1):3-10 (Eng. Abstr.) **(Slo)**

[Experimental model of proliferative pseudoretinopathy] Bacin F, et al. **Cesk Oftalmol** 1981 Jan;37(1):1-4 (Eng. Abstr.) **(Slo)**

ANATOMY & HISTOLOGY

Vital staining of external eye of rabbit. Norn MS. **Acta Ophthalmol (Copenh)** 1980 Jun;58(3):454-8

Stereological analysis of normal rabbit pancreatic islets. Sato T, et al. **Am J Anat** 1981 May;161(1):71-84

A revised cytoarchitectonic map of the neocortex of the rabbit (oryctolagus cuniculus). Fleischhauer K, et al. **Anat Embryol (Berl)** 1980;161(2):121-43

Orbital volume in young and adult rabbits. Sarnat BG. **Anat Embryol (Berl)** 1980;159(2):211-21

A rabbit model allowing access to portal vein, vena cava, aorta and duodenum without anesthesia. Zysset T, et al. **Arzneimittelforsch** 1981;31(6):965-9

The innervation of the hepatic portal vein in the rabbit: ultrastructural evidence against 'purinergic' neurotransmission. Gibbins IL. **Cell Tissue Res** 1981; 217(3):563-7

The structure of segments of the anisotropic band of muscle. II. Preparation and properties of A segments from vertebrate skeletal muscle. Wilson FJ, et al. **Cell Tissue Res** 1980;212(2):213-23

Blood flow to the rabbit pancreas with special reference to the islets of Langerhans. Lifson N, et al. **Gastroenterology** 1980 Sep;79(3):466-73

Morphological study of testicular descent in the rabbit. Rajfer J. **Invest Urol** 1981 Jan;18(4):293-5

Localization of stretch and deflation receptors in the airways of the rabbit. Roumy M, et al. **J Physiol (Paris)** 1980; 76(1):67-70

Efferent fibres to the aortic bodies: a search for their cell bodies in the brainstem of the cat and rabbit. Kidd C, et al. **Q J Exp Physiol** 1980 Apr;65(2):145-9

[The phrenic nerve of the rabbit (Oryctolagus cuniculus)] Oliveira MC, et al. **Anat Histol Embryol** 1980;9(4):302-6 (Eng. Abstr.) **(Fre)**

[Morphological, histochemical and ultrastructural observations on the proctodeal glands of adult and prepubescent female rabbits] Grimaldi MC, et al. **Arch Ital Anat Embriol** 1979;84(2):149-69 (Eng. Abstr.) **(Ita)**

[Pattern of the endolobular blood vessels of the thymus gland during induced involution. Research in Lepus cuniculus] Scala G, et al. **Boll Soc Ital Biol Sper** 1981 Feb 15; 57(3):275-8 **(Ita)**

[Linear measurements of the bones of Lepus brachyurus brachyurus Temminck, Pentalagus furnessi Stone and oryctolagus cuniculus Linnaeus (JW-NIBS). I. On the cranium and ossa trunci (author's transl)] Otsuka J, et al. **Jikken Dobutsu** 1980 Oct;29(4):441-55 (Eng. Abstr.) **(Jpn)**

[Innervation of the lungs of laboratory animals] Gómez de Rivera F. **Anat Histol Embryol** 1981 Jun;10(2):111-7 (Eng. Abstr.) **(Spa)**

BLOOD

Increased pressor activity in incubated plasma of pregnant rabbits. Katz M, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 1):741-4

Use of activated charcoal for hemoperfusion in Dutch rabbits. Galloway EJ, et al. **Am J Vet Res** 1981 Mar;42(3):541-3

Purification and characterization of rabbit haptocorrin. Nexø E, et al. **Biochim Biophys Acta** 1981 Feb 27;667(2):370-6

The effects of the tick Amblyomma hebraeum (Acari: Ixodidae) on blood composition and weight of rabbits. Rechav Y, et al. **J Med Entomol** 1980 Dec 30;17(6):555-60

Use of rabbit serum in the cultivation of Plasmodium falciparum. Sax LJ, et al. **J Parasitol** 1980 Aug;66(4):621-4

Use of a mini-peristaltic pump for collection of blood from rabbits. Stickrod G, et al. **Lab Anim Sci** 1981 Feb;31(1):87-8

Rabbit reticulocyte initiation factor 2 contains two polypeptide chains of molecular weights 48,000 and 38,000. Stringer EA, et al. **Proc Natl Acad Sci USA** 1980 Jun; 77(6):3356-9

[Reference ranges of 18 blood parameters and the significance of various modifying factors in test results for female rabbits] Fischer B. **Z Versuchstierkd** 1980;22(4):234-48 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

The effect of cortisol on rabbit fetal lung maturation in vitro. Snyder JM, et al. **Dev Biol** 1981 Jul 15;85(1):129-40

[Protein synthesis in different rabbit embryo tissues in the presence of utero-placental ischemia] Zhakhova ZN, et al. **Biull Eksp Biol Med** 1980 Nov;90(11):605-7 (Eng. Abstr.) **(Rus)**

GENETICS

The phenotypic expression of rabbit immunoglobulins: A model of complex regulated gene expression and cellular differentiation. Mage R. **Contemp Top Mol Immunol** 1981; 8:89-112 (91 ref.)

The gene map of the rabbit (Oryctolagus cuniculus L.) I. Synteny between the rabbit gene loci coding for HPRT, PGK, G6PD, and GLA: their localization on the X chromosome. Echard G, et al. **Cytogenet Cell Genet** 1981; 29(3):176-83

Location of the 18S and 28S rRNA cistrons in the genome of the domestic rabbit (Oryctolagus cuniculus L). Martin-DeLeon PA. **Cytogenet Cell Genet** 1980; 28(1-2):34-40

Genetic and physiological aspects of cholesterol accumulation in hyperresponding and hyporesponding rabbits. van Zutphen LF, et al. **Lab Anim** 1981 Jan; 15(1):61-7

Lysozyme activity in gastrointestinal and lymphoreticular

tissues of rabbits genetically deficient in lysozyme. Cámara VM, et al. **Lab Invest** 1980 Oct;43(4):352–7

Differences in electrophoretic behaviour of eight ribosomal proteins from rat and rabbit tissues and evidence for proteolytic action on liver proteins. Madjar JJ, et al. **MGG** 1980;179(1):89–101

GROWTH & DEVELOPMENT

Fat levels in rabbit diets. King JO. **Br Vet J** 1981 Mar–Apr; 137(2):203–7

An intracellular electrophysiological study of the ontogeny of functional synapses in the rabbit retina. I. Receptors, horizontal, and bipolar cells. Dacheux RF, et al. **J Comp Neurol** 1981 May 10;198(2):307–26

An intracellular electrophysiological study of the ontogeny of functional synapses in the rabbit retina. II. Amacrine cells. Dacheux RF, et al. **J Comp Neurol** 1981 May 10; 198(2):327–34

IMMUNOLOGY

Effects of immunizing rabbits against oestradiol-6-oxime-BSA on ovarian follicular development. Wielgosz GJ, et al. **Acta Endocrinol (Copenh)** 1980 Jun;94(2):235–41

A histopathologic and immunologic study of the course of syphilis in the experimentally infected rabbit. Demonstration of long-lasting cellular immunity. Baker-Zander S, et al. **Am J Pathol** 1980 Nov; 101(2):387–413

Attempt to suppress immunity in rabbits immunized against Eimeria intestinalis. Licois D, et al. **Ann Rech Vet** 1980; 11(3):273–8

Comparison of antibody production against aflatoxin B1 in goats and rabbits. Gaur PK, et al. **Appl Environ Microbiol** 1980 Sep;40(3):678–80

Spontaneous occurrence of antibodies against pathogenic amoebae of the limax group in domestic animals. Cerva L. **Folia Parasitol (Praha)** 1981;28(2):105–8

Similarity between tryptic peptides derived from equine mu and rabbit gamma chains of affinity labeled antilactose antibodies of restricted heterogeneity. Krishnan G. **Immunol Commun** 1980;9(8):769–77

Effect of immunization with highly purified Panton-Valentine leucocidin and delta-toxin on staphylococcal mastitis in rabbits. Adlam C, et al. **J Comp Pathol** 1980 Apr;90(2):265–74

Immunochemical studies of conjugates of isomaltosyl oligosaccharides to lipid. I. Antigenicity of the glycolipids and the production of specific antibodies in rabbits. Wood C, et al. **J Exp Med** 1981 Aug 1;154(2):432–49

Fab2 fragments from HLA xenoantisera specifically block cytolysis mediated by HLA-AB alloantisera. Belvedere M, et al. **J Immunogenet** 1980 Jun;7(3):215–9

In vitro studies of the rabbit immune system. VII. The generation of rabbit anti-mouse cytotoxic T lymphocytes. Redelman D, et al. **J Immunol Methods** 1980;35(1–2):69–81

Encephalitozoon cuniculi antibodies in commercially-available rabbit antisera and serum reagents. Bywater JE, et al. **Lab Anim** 1980 Apr;14(2):87–9

Detection of antibody titers to bovine viruses in rabbit sera. Descoteaux JP, et al. **Lab Anim Sci** 1980 Jun;30(3):581–2

A survey of serum antibodies to Encephalitozoon cuniculi in breeding rabbits and their young. Lyngset A. **Lab Anim Sci** 1980 Jun;30(3):558–61

Isolation and characterization of the third and fifth components of rabbit complement. Giclas PC, et al. **Mol Immunol** 1981 Feb;18(2):113–23

In vitro transformation of rabbit lymphocytes in rabies virus infection. Ramanna BC, et al. **Natl Inst Anim Health Q (Tokyo)** 1980 Summer;20(2):75–6

A serological survey of Encephalitozoon cuniculi infection in the wild rabbit in England and Scotland. Cox JC, et al. **Res Vet Sci** 1980 May;28(3):396

The protection of rabbits against the herpesvirus of malignant catarrhal fever by inactivated vaccines. Edington N, et al. **Res Vet Sci** 1980 May;28(3):384–6

Resistance of Fasciola hepatica in rats and rabbits following sensitising infection and treatment. Haroun EM, et al. **Res Vet Sci** 1980 May;28(3):377–9

Idiotypic lymphocytes in the rabbit: occurrence and nature of idiotypic lymphocytes in normal and hyperimmunized rabbits. Bast EJ, et al. **Scand J Immunol** 1980;11(6):635–42

Antibodies to Leptospira in European hares (Lepus europaeus Pallas) in the Netherlands. Hartman EG, et al. **Zentralbl Veterinaermed [B]** 1980;27(8):640–9

[Comparative studies of the specificity of idiotypic guinea pig and carp antisera] Richter RF, et al. **Acta Biol Med Ger** 1980;39(2–3):295–303 (Eng. Abstr.) **(Ger)**

[Local Immune response in rabbits following enteral immunization with live attenuated bacterial Enterobacteriaceae vaccines] Dentschev W, et al. **Arch Exp Veterinaermed** 1980;34(1):9–13 (Eng. Abstr.) **(Ger)**

[Immunobiological studies of the host-parasite relationship between rabbits and the tick Ornithodoros moubata] Centurier C, et al. **Berl Munch Tieraerztl Wochenschr** 1981 Jun 1;94(11–12):238–41 (Eng. Abstr.) **(Ger)**

METABOLISM

Influence of norethindrone on lipid metabolism and cholelithiasis in rabbits. Borgman RF, et al. **Am J Vet Res** 1981 Feb;42(2):290–3

In vitro binding to an in vivo effect on the cytosol and nuclear progesterone receptors of various progestins, and their relationship to synthesis of uteroglobin in rabbit uterus. Isomaa V. **Biochim Biophys Acta** 1981 Jun 11; 675(1):9–16

WHHL-rabbit: a low density lipoprotein receptor-deficient animal model for familial hypercholesterolemia. Tanzawa K, et al. **FEBS Lett** 1980 Aug 25;118(1):81–4

Structural changes in rabbit oral epithelium caused by zinc deficiency. Joseph CE, et al. **J Nutr** 1981 Jan;111(1):53–7

Effect of dietary fat and cholesterol on milk composition, milk intake and cholesterol metabolism in the rabbit. Whatley BJ, et al. **J Nutr** 1981 Mar;111(3):432–41

Seasonal and sexual influences on rabbit atropinesterase. Liebenberg SP, et al. **Lab Anim** 1980 Oct;14(4):297–300

Level of cyclic AMP and adenyl cyclase in rabbit mammary gland during the lactation cycle. Singh J, et al. **Zentralbl Veterinaermed [A]** 1980;27(6):495–9

[Environmental pollution by lead. Lead determination in bones of hares in the Canton of Bern. Development of a new incineration method for lead determination in bones] Klingler K, et al. **Schweiz Arch Tierheilkd** 1981 Jun; 123(6):311–21 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Susceptibility of rabbits venereally infected with Treponema paraluis-cuniculi to superinfections with Treponema pallidum. Graves S. **Br J Vener Dis** 1980 Dec;56(6):387–9

Lack of serological evidence for venereal spirochaetosis in wild Victorian rabbits and the susceptibility of laboratory rabbits to Treponema paraluis-cuniculi. Graves SR, et al. **Br J Vener Dis** 1980 Dec;56(6):381–6

Preliminary report on the observation of a coronavirus in the intestine of the laboratory rabbit. Lapierre J, et al. **Can J Microbiol** 1980 Oct;26(10):1204–8

Experimental infection of rabbit with Bhanja virus. Hubálek Z, et al. **Folia Parasitol (Praha)** 1981;28(1):93–6

Pathogenicity of Spiroplasma sp. strain SMCA in rabbits: clinical, microbiological, and histological aspects. Kirchhoff H, et al. **Infect Immun** 1981 Jul;33(1):292–6

Physiological and serological characteristics of 48 Pasteurella multocida cultures from rabbits. Brogden KA. **J Clin Microbiol** 1980 Jun;11(6):646–9

A strain of Pasteurella multocida associated with infections in rabbit colonies. Mushin R, et al. **Lab Anim** 1980 Oct; 14(4):353–6

Pseudomonas aeruginosa in rabbit fur. Schoenbaum M. **Lab Anim** 1981 Jan;15(1):5

Immunity induced in mice by Pasteurella multocida strains isolated from rabbits. Okerman L, et al. **Zentralbl Veterinaermed [B]** 1980;27(9–10):759–63

[Hares, one of the sources of the spread or T. mentagrophyter var. gypseum] Akhmedov IA. **Vestn Dermatol Venerol** 1980 Nov;(11):60–1 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

The histology of the skin reaction associated with rabbit resistance to Rhipicephalus appendiculatus (Neumann) infestations. Rubaire-Akiiki CM, et al. **Bull Anim Health Prod Afr** 1980 Mar;28(1):35–47

Immunological reactions associated with rabbit resistance to Rhipicephalus appendiculatus (Neumann) infestations. Rubaire-Akiki CM, et al. **Bull Anim Health Prod Afr** 1980 Mar;28(1):49–59

Ingestion of rabbit erythrocytes containing 51Cr-labeled hemoglobin by Psoroptes spp. (Acari: Psoroptidae) that originated on cattle, mountain sheep, or rabbits. DeLoach JR, et al. **J Med Entomol** 1981 Jul;18(4):345–8

The nonrandom, negative binomial distribution of experimental trichinellosis in rabbits. Tanner CE, et al. **J Parasitol** 1980 Oct;66(5):802–5

Endoparasites of selected populations of cottontail rabbits (Sylvilagus floridanus) in the southeastern United States. Andrews CL, et al. **J Wildl Dis** 1980 Jul;16(3):395–401

Sarcocystis and related organisms in Australian Wildlife: IV. Studies on Sarcocystis cuniculi in European rabbits (Oryctolagus cuniculus). Munday BL, et al. **J Wildl Dis** 1980 Apr;16(2):201–4

Gastrointestinal parasites of the eastern cottontail (Sylvilagus floridanus) in central Pennsylvania. Wiggins JP, et al. **J Wildl Dis** 1980 Oct;16(4):541–4

Three trichostrongylid nematodes from the red rock rabbits, Pronolagus sp., in Kenya. Fukumoto S, et al. **Jpn J Vet Res** 1980 Oct;28(4):129–36

[Report on the 4 years' maintenance of a colony of Glossina palpalis gambiensis Vanderplank 1949 (Diptera, Muscidae) reared on rabbit and guinea pig hosts] Sellin E, et al. **Rev Elev Med Vet Pays Trop** 1979;32(4):335–45 (Eng. Abstr.) **(Fre)**

[Survey of parasitoses of wild game animals in the DDR] Gräfner G. **Angew Parasitol** 1980 Nov;21(4):177–82 (36 ref.) (Eng. Abstr.) **(Ger)**

[The rabbit as a reservoir host of Fasciola hepatica? (author's transl)] Düwel D. **Z Parasitenkd** 1980;63(2):137–43 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Induction of preterm labor in the rabbit by antiprogesterone. Bernard A, et al. **Acta Physiol Acad Sci Hung** 1980; 55(4):365–9

Lack of evidence for gastrointestinal control of sodium excretion in unanesthetized rabbits. Obika LF, et al. **Am J Physiol** 1981 Feb;240(2):F94–100

Ontogeny of sleep and wake states in the rabbit. Thoman EB, et al. **Anim Behav** 1979 Feb;27 Pt 1:95–106

Activity recording of radio-tagged animals. Cederlund G, et al. **Biotelem Patient Monit** 1980;7(3–4):206–14

Fat induced hypertension in rabbits. Effects of dietary fibre on blood pressure and blood lipid concentration. Burstyn PG, et al. **Cardiovasc Res** 1980 Apr;14(4):185–91

Effect of atropine on the onset of fear bradycardia in Eastern cottontail rabbits Sylvilagus floridanus. Smith EN, et al. **Comp Biochem Physiol [C]** 1980;66(2):239–41

Fertility following fimbriectomy and tubo-ovarian microsurgery in the rabbit. Perez LE, et al. **Fertil Steril** 1981 May;35(5):573–9

Lipid A dependence of the ocular response to circulating endotoxin in rabbits. Howes EL Jr, et al. **Infect Immun** 1980 Dec;30(3):786–90

Early rheumatoid-like lesions in rabbits injected with foreign serum. V. Attempted super-imposition of allergization to cartilage collagen. Oldham G, et al. **Int Arch Allergy Appl Immunol** 1981;65(4):451–9

Laminar organization of superior colliculus in the rabbit: a study of receptive-field properties of single units. Graham J, et al. **J Neurophysiol** 1981 May;45(5):915–32

Sperm populations in the female genital tract of the rabbit. Cohen J, et al. **J Reprod Fertil** 1980 Sep;60(1):213–8

Vasoconstriction limits to the use of the central ear artery pressure in conscious rabbits. Talseth T, et al. **Lab Anim** 1981 Jan;15(1):1–3

Effect of xylazine and ketamine on blood pressure, heart rate and respiratory rate in rabbits. Sanford TD, et al. **Lab Anim Sci** 1980 Jun;30(3):519–23

The effects of thyrotropin-releasing hormone on cyclic AMP accumulation in rabbit cerebral cortical tissue in the presence and absence of CNS depressants. Smith JR. **Life Sci** 1981 May 4;28(18):2065–9

Nuchal muscle tonus during sleep, wakefulness and tonic immobility in the rabbit. Pivik RT, et al. **Physiol Behav** 1981 Jan;26(1):13–20

Strain and age effects on immobilization stress in JAX rabbits. Redgate ES, et al. **Proc Soc Exp Biol Med** 1981 Mar; 166(3):442–8

The effect of tetracyclines on the rabbit heart. Gyrd-Hansen N. **Zentralbl Veterinaermed [A]** 1980 May;27(3):228–37

[Use of fresh water hyacinth by broiler rabbit] Gérard C, et al. **Rev Elev Med Vet Pays Trop** 1980;33(1):91–6 (Eng. Abstr.) **(Fre)**

[Effect of ketamine hydrochloride-halothane-oxygen anesthesia on respiration, blood gases and acid-base status of the rabbit] Bonath K, et al. **Berl Muench Tieraerztl Wochenschr** 1980 Dec 1; 93(23):462–8 (Eng. Abstr.) **(Ger)**

[A new method for the study of mucoproduction in rabbits] Scuri R, et al. **Boll Chim Farm** 1980 Mar;119(3):181–7 (Eng. Abstr.) **(Ita)**

URINE

Preparation of rabbit beta 2-microglobulin. Otaki N, et al. **Ind Health** 1980;18(3):165–70

RABIES

Human rabies. Ferguson CK, et al. **Am J Nurs** 1981 Jun; 81(6):1174–9

[Human rabies in Mexico] **Gac Med Mex** 1980 Dec; 116(12):517–33 **(Spa)**

DIAGNOSIS

Rabies presenting as ascending myelitis. Prakash J, et al. **J Assoc Physicians India** 1981 Jan;29(1):65–6

Periodic EEG activity in human rabies encephalitis [letter] Komsuoglu SS, et al. **J Neurol Neurosurg Psychiatry** 1981 Mar;44(3):264–5

Rabies. Case reports. van Straaten BJ. **S Afr Med J** 1981 Jun 27;59(27):994

[Examination of various conjugates for their convenience in rabies diagnostics by immuno-fluorescence (author's transl)] Wachendörfer G, et al. **DTW** 1981 May 5; 88(5):171–4 (Eng. Abstr.) **(Ger)**

[Comparative study of the susceptibility of suckling and adult mice used for the isolation of rabies virus from the saliva of dogs with natural rabies] Côrtes V de A, et al. **Arq Inst Biol (Sao Paulo)** 1979 Jul–Dec;46(3–4):97–101 (Eng. Abstr.) **(Por)**

[Use of saliva in the diagnosis of natural canine rabies] Côrtes V de A, et al. **Arq Inst Biol (Sao Paulo)** 1979 Jul–Dec; 46(3–4):131–3 (Eng. Abstr.) **(Por)**

DRUG THERAPY

Effect of 9-(S)-(2,3-dihydroxypropyl)adenine on experimental rabies infection in laboratory mice. Sodja I, et al. **Acta Virol (Praha)** 1980 Sep;24(5):317–24

HISTORY

A link with the past. McCracken D. **Br Med J [Clin Res]** 1981 Mar 21;282(6268):964–6

IMMUNOLOGY

Immunohistological studies in viral encephalitis. Budka H, et al. **Acta Neuropathol [Suppl] (Berl)** 1981;7:142–4

Experimental rabies in cats: immune response and persistence of immunity. Soulebot JP, et al. **Cornell Vet** 1981 Jul; 71(3):311–25

Mouse model for abortive rabies infection of the central nervous system. Smith JS. **Infect Immun** 1981 Jan; 31(1):297–308

A model in mice for the study of the early death phenomenon after vaccination and challenge with rabies virus. Blancou J, et al. **J Gen Virol** 1980 Oct;50(2):433–5

Antibody-mediated enhancement of rabies virus [news] Porterfield JS. **Nature** 1981 Apr 16;290(5807):542

Acute rabies death mediated by antibody. Prabhakar BS, et al. **Nature** 1981 Apr 16;290(5807):590–1

[Comparison of two methods of titration of rabies neutralizing antibodies] Guillemin F, et al. **J Biol Stand** 1981;9(2):147–56 (Eng. Abstr.) **(Fre)**

[Results of comparison of titration of rabies antibodies by two immunofluorescence methods] Guillemin F, et al. **J Biol Stand** 1981;9(2):157–61 (Eng. Abstr.) **(Fre)**

[Tests of the effectiveness of different rabies vaccines] Abel C, et al. **Z Gesamte Hyg** 1980;26(12):887–90 (Eng. Abstr.) **(Ger)**

[Antirabies treatment with Fuenzalida–Palacios type vaccine] Fábrega FP, et al. **Bol Of Sanit Panam** 1981 Mar; 90(3):211–7 (Eng. Abstr.) **(Spa)**

METABOLISM

Biochemical changes in experimental rabies: brain monoamines and free amino acids. Baride RM, et al. **Indian J Med Res** 1980 Oct;72:475–9

MICROBIOLOGY

Nonlethal infection of laboratory mice induced with "mouse" rabies strains. Sodja I. **Acta Virol (Praha)** 1980 Sep; 24(5):325–33

A bat rabies isolate with an unusually short incubation period. Baer GM, et al. **Exp Mol Pathol** 1980 Oct;33(2):211–22

[Different behaviour of street rabies and virus fixé strains in parabiotic rats (author's transl)] Becker P, et al. **Zentralbl Bakteriol [A]** 1980 Aug;247(3):290–5 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Human rabies reported for first time in almost two years [news] Gunby P. **JAMA** 1981 Aug 28;246(9):932

Human rabies--Oklahoma. **MMWR** 1981 Jul 24;30(28):343–4, 349

Rabies in raccoons--Virginia. **MMWR** 1981 Jul 31; 30(29):353–5

Human rabies--United States, 1980. **MMWR** 1981 Mar 6; 30(8):97

Population dynamics of fox rabies in Europe. Anderson RM, et al. **Nature** 1981 Feb 26;289(5800):765–71

Rabies exposure among Norwegian missionaries working abroad. Bjorvatn B, et al. **Scand J Infect Dis** 1980; 12(4):257–64 (11 ref.)

[Rabies in Switzerland 1967–1978] Steck F, et al. **Schweiz Arch Tierheilkd** 1980 Nov;122(11):605–36 (Eng. Abstr.) **(Ger)**

[Rabies] Simona R, et al. **Minerva Med** 1980 Oct 20; 71(40):2941–50 **(Ita)**

[Rabies in Svalbard. Background, course and implications for human medicine] Flatla T, et al. **Tidsskr Nor Laegeforen** 1981 Jan 20;101(2):145–7 (Eng. Abstr.) **(Nor)**

[Results of a study of natural foci of rabies and evaluation of the risk of hydrophobia in new construction areas of Eastern Siberia and the Far East] Gribanova LIa, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Jul;(7):86–90 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Rabies encephaloradiculomyelitis. Case report. Lamas CC, et al. **Acta Neuropathol (Berl)** 1980;51(3):245–7

Pathology of rabies: a light- and electron-microscopical study with particular reference to the changes in cases with prolonged survival. Sandhyamani S, et al. **Acta Neuropathol (Berl)** 1981;54(3):247–51

Paralytic rabies: a clinico-pathological study. Chopra JS, et al. **Brain** 1980 Dec;103(4):789–802

An unusual histoiogical finding in a recent case of rabies [letter] van Straaten BJ. **S Afr Med J** 1981 Jan 17;59(3):61

[Clinical symptoms and course of human rabies] Gerstenbrand F, et al. **Wien Med Wochenschr** 1980 Jul 31; 130(13–14):463–7 **(Ger)**

[Pathomorphology of abortive rabies] Vanag KA, et al. **Vopr Virusol** 1981 Jan–Feb;(1):110–4 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Post-exposure use of the new human diploid cell (rabies) vaccine at Clark Air Base. Tice AW Jr. **Aviat Space Environ Med** 1980 Sep;51(9 Pt 1):923–5

Two lessons about rabies [letter] Parker D. **Br Med J** 1980 Oct 18;281(6247):1074

Assessment of fox control in areas of wildlife rabies. Bögel K, et al. **Bull WHO** 1981;59(2):269–79

Need to follow W.H.O. recommendations in treatment of rabid animal bites. Kutshwa J, et al. **Cent Afr J Med** 1981 May;27(5):98

Rabies vaccination in the 1980s. Plotkin SA. **Hosp Pract** 1980 Nov;15(11):65–72

Responding to the nebulous threat of rabies. Maetz HM, et al. **J Med Assoc State Ala** 1980 Jul;50(1):12, 17

Rabies: a little antibody a dangerous thing? [editorial] **Lancet** 1981 May 9;1(8228):1036–7

Rabies virus and laboratory regulations [letter] **Lancet** 1981 Jul 25;2(8239):209

Rabies virus and laboratory regulations [letter] Brown F, et al. **Lancet** 1981 Aug 8;2(8241):310

Rabies prophylaxis simplified [letter] Furlong J, et al. **Lancet** 1981 Jun 13;1(8233):1311

Rabies post-exposure immunoprophylaxis is safe and effective [letter] Nathanson N, et al. **Lancet** 1981 Aug 29; 2(8244):469

Rabies prevention. Wilkowske CJ. **Mayo Clin Proc** 1981 Jul; 56(7):459–60

A mouse model of the pathogenesis and postexposure prophylaxis of rabies. Mifune K, et al. **Microbiol Immunol** 1980;24(9):835–45

Use of human diploid cell vaccine for preexposure prophylaxis against rabies in human volunteers. Zitek LE, et al. **Minn Med** 1981 Jan;64(1):24–7

The problem of rabies vaccination in children; an analysis of children bitten by rabid and rabid-suspected-animals. Munir M. **Paediatr Indones** 1980 Jul–Aug;20(7–8):157–68

Pre-exposure immunization against rabies: a re-emphasis for veterinarians. Weeks RM, et al. **Public Health Rep** 1981 Mar–Apr;96(2):166–8

Pre-exposure prophylaxis of humans against rabies: I. Studies on personnel at the Burma Pharmaceutical Industry. Mya MM, et al. **Southeast Asian J Trop Med Public Health** 1980 Jun;11(2):273–5

[Rabies prevention: comparison of methods] Zouari B, et al. **Tunis Med** 1980 Jan–Apr;58(1–2):436–9 (Eng. Abstr.) **(Fre)**

[Vaccination of young foxes--an alternative rabies control method? Cost-benefit analysis] Irmer S, et al. **Berl Munch Tieraerztl Wochenschr** 1981 May 15; 94(10):202–7 (Eng. Abstr.) **(Ger)**

[Should preventive vaccination be carried out in rabies areas?] Muss N. **Med Klin** 1980 Nov 21;75(24):856–9 **(Ger)**

[IgM and IgG antibody formation against rabies virus after post-infection immunization] Kuwert EK, et al. **MMW** 1981 Jan 30;123(5):171–2 **(Ger)**

[New trends in rabies vaccination] Leonardi G, et al. **Ann Sclavo** 1980 Jan–Feb;22(1):17–21 (Eng. Abstr.) **(Ita)**

[Accidents caused by animals in Uberlandia, MG. Epidemiologic and clinical study, with reference to rabies prevention] Goulart FA, et al. **AMB** 1980 Jul;26(7):235–8 (Eng. Abstr.) **(Por)**

[Experimental prerequisites and technic of peroral antirabies immunization of wild Carnivora. I. Preliminary studies on laboratory animals] Shvrchek Sh, et al. **Acta Vet Acad Sci Hung** 1980;28(1):33–41 **(Rus)**

[Modifications of the quantitative method used at the Institute of Poliomyelitis and Viral Encephalitis for the determination of immunogenic activity of antirabies vaccine in mice] Shvrchek Sh, et al. **Acta Vet Acad Sci Hung** 1980;28(1):43–6 **(Rus)**

[Comparative analysis of systems of medico-veterinary surveillance of rabies in nations belonging to COMECON] Cherkasskiĭ BL, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 May;(5):39–41 **(Rus)**

[Antigenic properties of concentrated antirabies vaccine in accelerated immunization schedules] Mad'iarova RS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Jun;(6):95–8 (Eng. Abstr.) **(Rus)**

[Health education in the rabies control program in Mexico, 1979] Heredia-Duarte A. **Gac Med Mex** 1980;116(9):388–90 **(Spa)**

THERAPY

Treatment of rabid-bat bite [letter] Allanach JR. **Can Med Assoc J** 1981 Jun 1;124(11):1432–4

Unreliability of rabies tags for managing bite victims [letter] Sussman O. **J Am Vet Med Assoc** 1981 Jan 15;178(2):102–3

Use of human diploid cell vaccine for postexposure rabies treatment--Canada. **MMWR** 1981 Jun 12;30(22):266–7

Postexposure management of rabies-prone wounds. Hamory BH. **Mo Med** 1980 Aug;77(8):398–400

TRANSMISSION

Imported lyssa in Hungary. Guseo A, et al. **Acta Neuropathol [Suppl] (Berl)** 1981;7:150–1

Wild life rabies in Nigeria: experimental infection and transmission studies with the shrew (Crocidura sp.). Tomori O. **Ann Trop Med Parasitol** 1980 Apr;74(2):151–6

Can you catch rabies from your ferret? Probably not [news] Gunby P. **JAMA** 1981 Apr 24;245(16):1628

Rabies virus and laboratory regulations [letter] Kaplan C. **Lancet** 1981 Jul 4;2(8236):41

Habitat and the spread of rabies [news] Bacon PJ, et al. **Nature** 1981 Feb 19;289(5799):634–5

[Peroral infection with rabies virus in fox and domestic cat] Shvrchek Sh, et al. **Acta Vet Acad Sci Hung** 1980; 28(1):27–32 **(Rus)**

VETERINARY

Recovery from clinical rabies of 2 dogs inoculated with a rabies virus strain from Ethiopia. Fekadu M, et al. **Am J Vet Res** 1980 Oct;41(10):1632–4

Two lessons about rabies [letter] **Br Med J** 1980 Nov 8; 281(6250):1283

The safety and efficacy of immunizing foxes (Vulpes vulpes) using bait containing attenuated rabies virus vaccine. Black JG, et al. **Can J Comp Med** 1980 Apr;44(2):169–76

Prevalence of rabies virus in foxes trapped in the Canadian Arctic. Secord DC, et al. **Can Vet J** 1980 Nov; 21(11):297–300

An ingenious method of destroying the vampire bats which transmit rabies to cattle. Thornton H. **Cent Afr J Med** 1980 Sep;26(9):207–9

The epidemiology of fox rabies in Europe. Steck F, et al. **Epidemiol Rev** 1980;2:71–96 (73 ref.)

An effective urban rabies/animal control program. Kelly TE. **J Am Vet Med Assoc** 1980 Dec 15;177(12):1231–4

Cat vaccine and rabies compendium [letter] Sussman O. **J Am Vet Med Assoc** 1981 May 1;178(9):908

Naturally acquired rabies in an eastern wood rat (Neotoma floridana). Dowda H, et al. **J Clin Microbiol** 1981 Jan; 13(1):238–9

Tissue culture technique for routine isolation of street strain rabies virus. Rudd RJ, et al. **J Clin Microbiol** 1980 Oct; 12(4):590–3

A possible case of interspecific transmission of rabies in insectivorous bats. Bell GP. **J Mammal** 1980 Aug; 61(3):528–30

In vitro transformation of rabbit lymphocytes in rabies virus infection. Ramanna BC, et al. **Natl Inst Anim Health Q (Tokyo)** 1980 Summer;20(2):75–6

The role played by wildlife in the epizootiology of rabies in South Africa and South-West Africa. Barnard BJ. **Onderstepoort J Vet Res** 1979 Sep;46(3):155–63

Rabies virus infection of a flying fox bat, Pteropus policephalus in Chandigarh, Northern India. Pal SR, et al. **Trop Geogr Med** 1980 Sep;32(3):265–7

[Symptoms of rabies in pets and domestic animals in South Africa and South West Africa (author's transl)] Barnard BJ. **J S Afr Vet Assoc** 1979 Jun;50(2):109–11 (Eng. Abstr.) **(Afr)**

[Rabies in Kudus (letter)] Shaw JJ. **J S Afr Vet Assoc** 1980 Jun;51(2):109 **(Afr)**

[Simple, simultaneous or combined vaccinations of horses against equine influenza, rabies and tetanus (author's transl)] Brun A, et al. **Comp Immunol Microbiol Infect Dis** 1980; 3(1–2):93–9 (Eng. Abstr.) **(Fre)**

[Epidemiology and control of wildlife rabies-analysis of potential causes for the vigorous reduction of the badger (Meles meles) population in Hesse 1952 till 1977 (FRG) (author's transl)] Wachendörfer G, et al. **DTW** 1980; 87(7):255–60 (Eng. Abstr.) **(Ger)**

[Distribution of rabies antigen in the central nervous system of rats and mice experimentally infected with rabies strains isolated from hamsters (Cricetus cricetus)] Alexander R, et al. **Vet Med (Praha)** 1981;26(5):271–8 (Eng. Abstr.) **(Slo)**

[Pathogenesis of experimental rabies infection in foxes and cats infected with viruses isolated from hamsters (Cricetus cricetus)] Alexander R, et al. **Vet Med (Praha)** 1981; 26(4):233–46 (Eng. Abstr.) **(Slo)**

RABIES VACCINE

Recovery from clinical rabies of 2 dogs inoculated with a rabies virus strain from Ethiopia. Fekadu M, et al. **Am J Vet Res** 1980 Oct;41(10):1632–4

U.S. approval of new rabies vaccine highlights successful battle and commercial setback [news] Marwick CS. **Am Pharm** 1980 Aug;20(8):8

Two lessons about rabies [letter] **Br Med J** 1980 Nov 8; 281(6250):1283

Two lessons about rabies [letter] Parker D. **Br Med J** 1980 Oct 18;281(6247):1074

Cat vaccine and rabies compendium [letter] Sussman O. **J Am Vet Med Assoc** 1981 May 1;178(9):908

Rabies vaccine. Meyer HM Jr. **J Infect Dis** 1980 Aug; 142(2):287–9

Human diploid cell rabies vaccine. **Med Lett Drugs Ther** 1980 Oct 31;22(22):93–4

Compendium of animal rabies vaccines, 1981. **MMWR** 1981 Apr;30(14):161–4

New rabies vaccine [editorial] Plotkin SA. **Pediatrics** 1981 Jul;68(1):131–2

Rabies vaccine prepared in human cell cultures: progress and perspectives. Plotkin SA. **Rev Infect Dis** 1980 May–Jun; 2(3):433–48 (107 ref.)

[New trends in rabies vaccination] Leonardi G, et al. **Ann Sclavo** 1980 Jan–Feb;22(1):17–21 (Eng. Abstr.) **(Ita)**

ADMINISTRATION & DOSAGE

Enteric inoculation with ERA rabies virus: evaluation of a candidate wildlife vaccine in laboratory rodents. Nicholson KG, et al. **Arch Virol** 1981;67(1):51–6

Post-exposure use of the new human diploid cell (rabies) vaccine at Clark Air Base. Tice AW Jr. **Aviat Space Environ Med** 1980 Sep;51(9 Pt 1):923–5

The safety and efficacy of immunizing foxes (Vulpes vulpes) using bait containing attenuated rabies virus vaccine. Black

JG, et al. **Can J Comp Med** 1980 Apr;44(2):169–76
Rabies vaccination in the 1980s. Plotkin SA. **Hosp Pract** 1980 Nov;15(11):65–72
Intradermal immunization with rabies vaccine. Inactivated Wistar strain cultivated in human diploid cells. Ajjan N, et al. **JAMA** 1980 Dec 5;244(22):2528–31
Rabies prophylaxis simplified [letter] Furlong J, et al. **Lancet** 1981 Jun 13;1(8233):1311
Rabies prevention. Wilkowske CJ. **Mayo Clin Proc** 198: Jul; 56(7):459–60
Use of human diploid cell vaccine for preexposure prophylaxis against rabies in human volunteers. Zitek LE, et al. **Minn Med** 1981 Jan;64(1):24–7
The problem of rabies vaccination in children; an analysis of children bitten by rabid and rabid-suspected-animals. Munir M. **Paediatr Indones** 1980 Jul-Aug;20(7-8):157–68
The new rabies vaccine. Greenberg JH. **Tex Med** 1981 Jan; 77(1):46–7
[Experimental prerequisites and technic of peroral antirabies immunization of wild Carnivora. I. Preliminary studies on laboratory animals] Shvrchek Sh, et al. **Acta Vet Acad Sci Hung** 1980;28(1):33–41 **(Rus)**
[Effect of specific antibodies on active immunity development in those inoculated with an antirabies vaccine] Kravchenko AT, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Nov;(11):28–30 (Eng. Abstr.) **(Rus)**
[Antigenic properties of concentrated antirabies vaccine in accelerated immunization schedules] Mad'iarova RS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Jun;(6):95–8 (Eng. Abstr.) **(Rus)**
[Antirabies treatment with Fuenzalida-Palacios type vaccine] Fábrega FP, et al. **Bol Of Sanit Panam** 1981 Mar; 90(3):211–7 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Case report: glomerulonephritis after immunization with antirabies vaccine. Singhal PC, et al. **Ann Allergy** 1981 Feb; 46(2):98–9
Guillain-Barré syndrome after vaccination with human diploid cell rabies vaccine. Bøe E, et al. **Scand J Infect Dis** 1980;12(3):231–2
[Antirabies vaccination in the CSR over the past 15 years in terms of nervous complications (author's transl)] Doutlik S, et al. **Cas Lek Cesk** 1981 May 21;120(20):607–9 (Eng. Abstr.) **(Cze)**
[Neuroallergic activity of anti-rabies vaccines] Augustinský V, et al. **Vet Med (Praha)** 1981;26(6):353–65 (Eng. Abstr.) **(Slo)**

HISTORY

A link with the past. McCracken D. **Br Med J [Clin Res]** 1981 Mar 21;282(6268):964–6

IMMUNOLOGY

Rapid antibody response to human diploid rabies vaccine. Anderson LJ, et al. **Am J Epidemiol** 1981 Mar;113(3):270–5
The antibody-binding-test, a useful method for quantitative determination of inactivated rabies virus antigen. Barth R, et al. **J Biol Stand** 1981 Jan;9(1):81–9
Complement fixing antigen in rabies. V. Effect of bacteriostatic agents on its stability. Rai Chowdhuri AN, et al. **J Commun Dis** 1980 Sep;12(3):144–7
Cellular and humoral immune response in human beings vaccinated with rabies vaccine. Ramanna BC, et al. **J Commun Dis** 1980 Sep;12(3):139–43
A model in mice for the study of the early death phenomenon after vaccination and challenge with rabies virus. Blancou J, et al. **J Gen Virol** 1980 Oct;50(2):433–5
Pre-exposure immunization against rabies: a re-emphasis for veterinarians. Weeks RM, et al. **Public Health Rep** 1981 Mar-Apr;96(2):166–8
[Modifications of the quantitative method used at the Institute of Poliomyelitis and Viral Encephalitis for the determination of immunogenic activity of antirabies vaccine in mice] Shvrchek Sh, et al. **Acta Vet Acad Sci Hung** 1980;28(1):43–6 **(Rus)**

ISOLATION & PURIFICATION

Freeing rabies virus of the neuroallergenic factor from brain tissue. Karakuyumchan MK, et al. **Acta Virol (Praha)** 1981 May;25(3):155–8
[Concentrated adsorbed, cultured antirabies vaccine] Dulina AV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Nov; (11):30–2 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Effect of prior immunisation and subsequent challenge with rabies virus in mice. Baride RM, et al. **Indian J Med Res** 1980 Jun;71:833–9

STANDARDS

A highly purified and concentrated duck embroy rabies vaccine: a preliminary report. Schell KR, et al. **J Biol Stand** 1980;8(2):97–106
[Activity control of inactivated rabies vaccines. Critical study of the N.I.H. test using the so-called 'peripheric test' as an experimental model] Aubert MF, et al. **J Biol Stand** 1981 Jan;9(1):35–43 (Eng. Abstr.) **(Fre)**
[Tests of the effectiveness of different rabies vaccines] Abel C, et al. **Z Gesamte Hyg** 1980;26(12):887–90 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

The advent of human diploid cell rabies vaccine: impact on vaccine utilization in New Mexico. Mann JM, et al. **Am J Public Health** 1981 Apr;71(4):423–4
Postexposure trial of a human diploid cell strain rabies vaccine. Anderson LJ, et al. **J Infect Dis** 1980 Aug; 142(2):133–8
Use of human diploid cell vaccine for postexposure rabies treatment--Canada. **MMWR** 1981 Jun 12;30(22):266–7
Rabies exposure among Norwegian missionaries working abroad. Bjorvatn B, et al. **Scand J Infect Dis** 1980; 12(4):257–64 (11 ref.)
[IgM and IgG antibody formation against rabies virus after post-infection immunization] Kuwert EK, et al. **MMW** 1981 Jan 30;123(5):171–2 **(Ger)**

TOXICITY

[Study of chromosomes in the bone marrow cells of mice immunized with antirabies vaccines] Cherkeziia SE, et al. **Tsitol Genet** 1980 Jul-Aug;14(4):67–70 (Eng. Abstr.) **(Rus)**

RABIES VIRUS

[Inhibition of the process of 4-nitroquinoline-1-oxide-induced DNA break repair in chronically virus-infected human cells] Zasukhina GD, et al. **Vopr Virusol** 1981 Jan-Feb;(1):94–7 (Eng. Abstr.) **(Rus)**

ANALYSIS

[Characteristics of defective rabies virus particles formed in chronically infected cultures] Andzhaparidze OG, et al. **Vopr Virusol** 1980 Jan-Feb;(1):24–9 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Rabies virus and laboratory regulations [letter] **Lancet** 1981 Jul 25;2(8239):209

DRUG EFFECTS

In vitro effect of isoprinosine on rabies virus. Hernández-Jáuregui P, et al. **Am J Vet Res** 1980 Sep; 41(9):1475–8

GENETICS

Separation of two street rabies virus strain populations into two biological variants [letter] Gribencha SV, et al. **Acta Virol (Praha)** 1981 May;25(3):168
The structural proteins of rabies virus and evidence for their synthesis from separate monocistronic RNA species. Coslett GD, et al. **J Gen Virol** 1980 Jul;49(1):161–80
Rabies mRNA translation in Xenopus laevis oocytes. Wunner WH, et al. **J Virol** 1980 Oct;36(1):133–42

GROWTH & DEVELOPMENT

An ultrastructural and immunofluorescent study of rabies virus in tissue culture for antiviral drug evaluation. Hernández-Jáuregui P, et al. **Arch Invest Med (Mex)** 1981; 12(2):213–24 **(Eng, Spa)**
Adaptation, attenuation and plaque purification of a rabiesvirus isolate (V319) from a vampire bat (Desmodus rotundus). Bijlenga C, et al. **Cornell Vet** 1980 Jul; 70(3):290–9
Rabies vaccine prepared in human cell cultures: progress and perspectives. Plotkin SA. **Rev Infect Dis** 1980 May-Jun; 2(3):433–48 (107 ref.)
[Different behaviour of street rabies and virus fixé strains in parabiotic rats (author's transl)] Becker P, et al. **Zentralbl Bakteriol [A]** 1980 Aug;247(3):290–5 (Eng. Abstr.) **(Ger)**
[Factors responsible for the persistence of rabies virus in cell cultures] Bogomolova NN, et al. **Vopr Virusol** 1980 Sep-Oct;(5):574–6 (Eng. Abstr.) **(Rus)**
[Electron microscopic study of cell cultures chronically infected with fixed rabies virus] Ianova NN, et al. **Vopr Virusol** 1981 Mar-Apr;(2):215–8 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Generation of hybridoma cell lines producing monoclonal antibodies against Toxoplasma gondii or rabies virus following fusion of in vitro-immunized spleen cells with myeloma cells. Sethi KK, et al. **Ann Immunol (Paris)** 1981 Jan-Feb;132C(1):29–41
Effect of prior immunisation and subsequent challenge with rabies virus in mice. Baride RM, et al. **Indian J Med Res** 1980 Jun;71:833–9
Preparation and characterization of rabies virus hemagglutinin. Cox JH, et al. **Infect Immun** 1980 Nov; 30(2):572–7
The antibody-binding-test, a useful method for quantitative determination of inactivated rabies virus antigen. Barth R, et al. **J Biol Stand** 1981 Jan;9(1):81–9
A highly purified and concentrated duck embroy rabies vaccine: a preliminary report. Schell KR, et al. **J Biol Stand** 1980;8(2):97–106
Determination of serum neutralization antibodies to rabies virus by a modified counterimmunoelectrophoresis test. Díaz AM, et al. **J Clin Microbiol** 1980 Aug;12(2):175–9
Rabies: a little antibody a dangerous thing? [editorial] **Lancet** 1981 May 9;1(8228):1036–7
Antibody-mediated enhancement of rabies virus [news] Porterfield JS. **Nature** 1981 Apr 16;290(5807):542
Acute rabies death mediated by antibody. Prabhakar BS, et al. **Nature** 1981 Apr 16;290(5807):590–1
Time dependent decreases of maternal canine virus antibodies in newborn pups. Winters WD. **Vet Rec** 1981 Apr 4; 108(14):295–9
Persistence and variation of Mangosta street rabies virus antigens during adaptation into mice. Díaz AM, et al. **Zentralbl Bakteriol [B]** 1980 Jun;171(1):73–8
Identification of rabies virus antigen in the skin of foxes. Blenden DC, et al. **Zentralbl Veterinaermed [B]** 1980; 27(9-10):698–704
[Distribution of rabies antigen in the central nervous system of rats and mice experimentally infected with rabies strains isolated from hamsters (Cricetus cricetus)] Alexander R, et al. **Vet Med (Praha)** 1981;26(5):271–8 (Eng. Abstr.) **(Slo)**

ISOLATION & PURIFICATION

Freeing rabies virus of the neuroallergenic factor from brain tissue. Karakuyumchan MK, et al. **Acta Virol (Praha)** 1981 May;25(3):155–8
Single-site localization of rabies virus: impact on laboratory reporting policy. Maserang DL, et al. **Am J Public Health** 1981 Apr;71(4):428–9
Tissue culture technique for routine isolation of street strain rabies virus. Rudd RJ, et al. **J Clin Microbiol** 1980 Oct; 12(4):590–3
Lagos bat virus in South Africa [letter] Meredith CD, et al. **Lancet** 1981 Apr 11;1(8224):832–3
[Use of saliva in the diagnosis of natural canine rabies] Côrtes V de A, et al. **Arq Inst Biol (Sao Paulo)** 1979 Jul-Dec; 46(3-4):131–3 (Eng. Abstr.) **(Por)**
[Isolation of rabies virus from common hamster (Cricetus cricetus) in Czechoslovakia] Shvrchek Sh, et al. **Acta Vet Acad Sci Hung** 1980;28(1):21–6 **(Rus)**
[Comparative study of the persistence of 3 RNA-containing viruses in a continuous cell culture of human origin] Andzhaparidze OG, et al. **Vopr Virusol** 1980 May-Jun; (3):323–7 (Eng. Abstr.) **(Rus)**
[Modification of rabies virus plaque formation technic and its use in the study of viral persistence] Bogomolova NN, et al. **Vopr Virusol** 1980 Jan-Feb;(1):110–1 **(Rus)**

METABOLISM

Rabies virus-induced RNA synthesis in BHK21 cells. Holloway BP, et al. **J Gen Virol** 1980 Jul;49(1):181–95
Comparative study of rabies virus persistence in human and hamster cell lines. Andzhaparidze OG, et al. **J Virol** 1981 Jan;37(1):1–6
[RNA synthesis in cells chronically infected with rabies virus] Boriskin IuS, et al. **Vopr Virusol** 1981 Jan-Feb;(1):55–9 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Nonlethal infection of laboratory mice induced with 'mouse' rabies strains. Sodja I. **Acta Virol (Praha)** 1980 Sep; 24(5):325–33
A bat rabies isolate with an unusually short incubation period. Baer GM, et al. **Exp Mol Pathol** 1980 Oct;33(2):211–22
Regeneration of DI particles of virulent and attenuated rabies virus: genome characterization and lack of correlation with virulence phenotype. Wunner WH, et al. **J Gen Virol** 1980 Nov;51(Pt 1):69–81
Rabies virus and laboratory regulations [letter] Kaplan C. **Lancet** 1981 Jul 4;2(8236):41
[Comparative study of the susceptibility of suckling and adult mice used for the isolation of rabies virus from the saliva of dogs with natural rabies] Côrtes V de A, et al. **Arq Inst Biol (Sao Paulo)** 1979 Jul-Dec;46(3-4):97–101 (Eng. Abstr.) **(Por)**

PHYSIOLOGY

Interference induced in GL-V3 monkey kidney cells by rabies virus strains. Nicholson KG, et al. **J Gen Virol** 1981 Apr;53(Pt 2):347–51
[Properties of the rabies virus long persisting in cell cultures] Bogomolova NN, et al. **Vopr Virusol** 1980 May-Jun; (3):315–8 (Eng. Abstr.) **(Rus)**
[Rabies virus persistence in vitro] Boriskin IuS. **Vopr Virusol** 1980 May-Jun;(3):261–5 (28 ref.) **(Rus)**
[Reproduction of fixed rabies virus in a quail fibroblast culture growing in suspension] Nagieva FG, et al. **Vopr Virusol** 1980 Jul-Aug;(4):429–31 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Production of spikeless particles of the rabies virus under conditions of low pH. Kawai A, et al. **Virology** 1981 Jan 30;108(2):267–76

RACCOONS

Vegetative endocarditis with generalized bacterial embolism

in association with phlegmon induced by Dracunculus insignis in a raccoon. Diters RW, et al. **Cornell Vet** 1980 Jul;70(3):213–7

MICROBIOLOGY

Natural La Crosse virus infection in the red fox (Vulpes fulva), gray fox (urocyon cinereoargenteus), raccoon (Procyon lotor), and opossum (Didelphis virginiana). Amundson TE, et al. **Am J Trop Med Hyg** 1981 May; 30(3):706–14

Parvovirus infection in translocated raccoons. Nettles VF, et al. **J Am Vet Med Assoc** 1980 Nov 1;177(9):787–9

Rabies in raccoons—Virginia. **MMWR** 1981 Jul 31; 30(29):353–5

PARASITOLOGY

Raccoon babesiosis in Connecticut, USA: Babesia lotori sp. n. Anderson JF, et al. **J Parasitol** 1981 Jun;67(3):417–25

Helminth parasites of translocated raccoons (Procyon lotor) in the southeastern United States. Schaffer GD, et al. **J Wildl Dis** 1981 Apr;17(2):217–27

RACE RELATIONS

see related
CIVIL RIGHTS

Apartheid and psychiatry [letter] Frankel FH. **Am J Psychiatry** 1980 Sep;137(9):1128

Racism in African psychiatry [editorial] Wortis J. **Biol Psychiatry** 1980 Apr;15(2):181–2

Treating Black patients: the risks of ignoring critical social issues. Carter JH. **Hosp Community Psychiatry** 1981 Apr; 32(4):281–2

Racism and the narcissistic personality [letter] Thomas JA. **J Natl Med Assoc** 1981 Mar;73(3):202–6

Ethical legacy of the Biko case [editorial] **Lancet** 1980 Sep 27;2(8196):683

Homicide among black males. Causal factors. Akbar N. **Public Health Rep** 1980 Nov–Dec;95(6):554–6

RACEMASES see under **ISOMERASES**

RACHITIS see **RICKETS**

RACIAL STOCKS

Clinical chemistry determinations for a biracial cohort of 1,605 normal and hyperlipidemic schoolchildren aged 6 to 17. Laskarzewski P, et al. **Am J Clin Pathol** 1980 Oct; 74(4):371–80

Racial variations in vision. Taylor HR. **Am J Epidemiol** 1981 Jan;113(1):62–80

Racial differences in subcutaneous fat patterns in children aged 7—15 years. Harsha DW, et al. **Am J Phys Anthropol** 1980 Sep;53(3):333–7

Changes in articular eminence morphology with dental function. Hinton RJ. **Am J Phys Anthropol** 1981 Apr; 54(4):439–55

Form and patterning of anterior tooth wear among aboriginal human groups. Hinton RJ. **Am J Phys Anthropol** 1981 Apr; 54(4):555–64

Skin colorimetry and admixture measurement: some further considerations. Korey KA. **Am J Phys Anthropol** 1980 Jul; 53(1):123–8

Racial differences in dimensional traits of the human face. Richardson ER. **Angle Orthod** 1980 Oct;50(4):301–11

Genetics of biochemical and behavioural aspects of alcohol metabolism. Gibson JB, et al. **Aust NZ J Med** 1981 Apr; 11(2):128–31

Dermatoglyphic divergence of the main racial branches of mankind. Heet HL, et al. **Birth Defects** 1979;15(6):249–60

Universals in dermatoglyphics. Lin PM, et al. **Birth Defects** 1979;15(6):63–84

Racial variations in tests of fetoplacental function. Bissenden JG, et al. **Br J Obstet Gynaecol** 1981 Feb;88(2):109–14

Assessment of gestation by ultrasound in various stages of pregnancy in infants differing in size and ethnic origin. Dubowitz LM, et al. **Br J Obstet Gynaecol** 1981 Mar; 88(3):255–9

Ethnic factors in disease [letter] **Br Med J [Clin Res]** 1981 Jul 4;283(6283):63–4

Race-related differences in reference intervals for creatine kinase [letter] Bright M, et al. **Clin Chem** 1980 Dec; 26(13):1928–8

Photoparoxysmal responses in the electroencephalograms of some ethnic groups of the Cape Peninsula. De Graaf AS, et al. **Electroencephalogr Clin Neurophysiol** 1980 Nov; 50(3–4):275–81

Studies on blood groups and other genetic markers in forest Nentzi: variation among the subpopulations. Sukernik RI, et al. **Hum Genet** 1980;55(3):397–404

Ethnic, racial, and social class factors in mental health. Yamamoto J, et al. **J Natl Med Assoc** 1981 Mar; 73(3):231–40

Influence of race on neonatal mortality [letter] Sepkowitz S. **J Pediatr** 1981 Sep;99(3):504–5

Race and hypertensive complications [letter] Grell GA. **Lancet** 1980 Oct 4;2(8197):744–5

Racial differences in hospitalization rates among navy enlisted men. Hoiberg A, et al. **Public Health Rep** 1981 Mar–Apr;96(2):121–7

[Methodological contribution to craniometrical studies of various early mediaeval populations of the upper Danube region. I. The most usual cranial indices as a basis for population comparisons (graphic and approximation methods)] Bergman P, et al. **Anthropol Anz** 1980 Nov; 38(4):251–64 (Eng. Abstr.) **(Ger)**

[Functional evaluation of the oxygen transport system with multiphasic treadmill stress testing after Bruce's protocol: racial difference in cardiovascular response to exercise (author's transl)] Doba N, et al. **Kokyu To Junkan** 1980 May;28(5):507–12 (Eng. Abstr.) **(Jpn)**

CLASSIFICATION

[Red cell and serum polymorphisms to define main human races and to analyze mixed populations (author's transl)] Hummel K. **Wien Klin Wochenschr** 1980 Nov 7; 92(21):768–74 (Eng. Abstr.) **(Ger)**

RADAR

Re: 'effects upon health of occupational exposure to microwave radiation (radar)' [letter] Morton WE. **Am J Epidemiol** 1981 Feb;113(2):201–2

Exposure to radio–frequency radiation from an aircraft radar unit. Williams RA, et al. **Aviat Space Environ Med** 1980 Nov;51(11):1243–4

[Methodological approaches to the hygienic evaluation of radar facilities] Dumanskii IuD, et al. **Gig Sanit** 1980 Aug; (8):42–4 **(Rus)**

RADIAL NERVE

Cheiralgia paresthetica after necrotic arachnidism [letter] Longfield RN. **Arch Neurol** 1981 Jul;38(7):470

Chronic compression syndrome of the radial nerve above the elbow [letter] Stöhr M, et al. **Muscle Nerve** 1980 Sep–Oct;3(5):446–7

Runner's radial palsy [letter] Pickering TG. **N Engl J Med** 1981 Sep 24;305(13):768

[Epicondylitis humeri lateralis, operative technique and results (author's transl)] Gradinger R, et al. **MMW** 1981 Feb 13;123(7):259–62 (Eng. Abstr.) **(Ger)**

[Radial nerve compression syndrome at the elbow with reference to radiohumeral epicondylosis—clinico–anatomic studies] Thomas W, et al. **Z Orthop** 1980;118(1):41–6 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

[Intraoperative marking of the radial nerve] Smiljanić B. **Chirurg** 1980 Nov;51(11):727–8 **(Ger)**

BLOOD SUPPLY

[Formation of the neurovascular connections in human forearm muscles] Zagrebin AM, et al. **Arkh Anat Gistol Embriol** 1980 Oct;79(10):67–73 (Eng. Abstr.) **(Rus)**

INJURIES

Treatment of radial neuropathy associated with fractures of the humerus. Pollock FH, et al. **J Bone Joint Surg [Am]** 1981 Feb;63A(2):239–43

[Iatrogenic lesions of the radial nerve prognosis and treatment (author's transl)] Schwarz B, et al. **Unfallheilkunde** 1981 May;84(5):209–12 (Eng. Abstr.) **(Ger)**

[Childhood hand surgery according to neurological and electrophysiological assessment (author's transl)] Mamoli B. **Z Kinderchir Grenzgeb** 1980 Jul;30 Suppl:26–9 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Distal sensory latency measurement of the superficial radial nerve in normal adult subjects. Mackenzie K, et al. **Arch Phys Med Rehabil** 1981 Jan;62(1):31–4

Electrophysiological correlates among the radial nerve, the caudate and the entopeduncular nuclei in cats. Saavedra de Camargo B, et al. **Brain Res Bull** 1981 Mar;6(3):213–8

Short latency somatosensory evoked potentials from radial, median and ulnar nerve stimulation in man. Grisolia JS, et al. **Electroencephalogr Clin Neurophysiol** 1980 Dec; 50(5–6):375–81

Normal sensory conduction in the distal segment of the median and radial nerve: relation to age. Vandendriessche G, et al. **Electromyogr Clin Neurophysiol** 1981 Jun–Aug; 21(5):511–9

An input–output analysis of the dorsal column nuclei. Walsh JP, et al. **Exp Neurol** 1981 Jul;73(1):186–98

Somatosplanchnic reflex discharges in rats. Nosaka S, et al. **J Auton Nerv Syst** 1980 Jul;2(2):95–104

The superficial radial nerve: techniques for evaluation. Critchlow JF, et al. **J Neurol Neurosurg Psychiatry** 1980 Oct;43(10):929–33

PHYSIOPATHOLOGY

[Pathology of neurons — preferences and differences in the neuronal attack system in experimental radial nerve dystrophy induced by chloroquine] Klinghardt GW. **Acta Histochem [Suppl] (Jena)** 1981;24:41–6 **(Ger)**

SURGERY

Intramedullary nerve implantation in amputation and other traumatic neuromas. Hemmy DC. **J Neurosurg** 1981 Jun; 54(6):842–3

RADIATION

see related
ATOMIC WARFARE
RADIOACTIVITY

A diathermy applicator for the irradiation of rat brain. Assenheim HM, et al. **IEEE Trans Biomed Eng** 1980 Aug; 27(8):476–9

Thermal response model of a simulated cranial structure exposed to radiofrequency radiation. Burr JG, et al. **IEEE Trans Biomed Eng** 1980 Aug;27(8):452–60

Stimulated VLF–fields as a risk factor of thrombosis. Jacobi E, et al. **Int J Biometeorol** 1981 Jun;25(2):133–42

Effects of low–level radiation and comparative risk. Sinclair WK. **Radiology** 1981 Jan;138(1):1–9 (41 ref.)

[Investigation of spectral scatter photon fluence of needle ray beams (author's transl)] Schoknecht G, et al. **Strahlentherapie** 1980 Dec;156(12):828–31 (Eng. Abstr.) **(Ger)**

[Radioactive and radiation standards. (1) Radioactive standards and their use (author's transl)] Yura O, et al. **Radioisotopes** 1979 Mar;28(3):206–14 **(Jpn)**

ADVERSE EFFECTS

Radiation and cell transformation in vitro. Yang TC, et al. **Adv Biol Med Phys** 1980;17:417–61

Assessing the risk of exposure to radioactivity. Crawford DJ, et al. **Am Sci** 1980 Sep–Oct;68(5):524–36

Radiation hazard to operating room personnel during operative cholangiography. Linos DA, et al. **Arch Surg** 1980 Dec;115(12):1431–3

The nature of radiation injury. Watson GM. **Pathology** 1980 Apr;12(2):155–60

INSTRUMENTATION

Dosimetry with a diamond operating as a resistor. Burgemeister EA. **Phys Med Biol** 1981 Mar;26(2):269–75

The basis of a suggested instrumental approach to the surveying of neutron fields and the measurement of personal dose from neutrons. Harvey JR. **Phys Med Biol** 1981 Mar;26(2):253–67

RADIATION BIOLOGY see **RADIOBIOLOGY**

RADIATION CHIMERA

The treatment of advanced stage favorable histology non–Hodgkin's lymphoma: a preliminary report of a randomized trial comparing single agent chemotherapy, combination chemotherapy, and whole body irradiation. Hoppe RT, et al. **Blood** 1981 Sep;58(3):592–8

Use of spleen organ cultures to monitor hemopoietic progenitor cell regeneration following irradiation and marrow transplantation. von Melchner H, et al. **Blood** 1980 Nov;56(5):917–22

Regeneration of hemopoietic precursor cells in spleen organ cultures from irradiated mice: influence of genotype of cells injected and of the spleen microenvironment. von Melchner H, et al. **Blood** 1981 May;57(5):906–12

Cellular basis of the immunohematologic defects observed in short–term semiallogeneic B6C3F1 — C3H chimeras: evidence for host–versus–graft reaction initiated by radioresistant T cells. Aizawa S, et al. **Cell Immunol** 1980 Nov;56(1):47–57

T–cell differentiation in lethally irradiated and reconstituted mice: functional recovery of PNA–fractionated subpopulations. Kraal G, et al. **Cell Immunol** 1981 Jul 15; 62(1):74–81

Genetic constraints in the induction of the immune response to Ehrlich ascites tumor in mice. Marušić M, et al. **Cell Immunol** 1981 Jul 15;62(1):93–100

Immune function in fully allogeneic mouse bone marrow chimeras. Krown SE, et al. **Clin Immunol Immunopathol** 1981 May;19(2):268–83

Clinical and immunological response of lymphoma dogs following chemotherapy and irradiation. Bowles CA, et al. **Comp Immunol Microbiol Infect Dis** 1980;3(3):317–26

Fractionated total body irradiation and autologous bone marrow transplantation in dogs: hemopoietic recovery after various marrow cell doses. Bodenberger U, et al. **Exp Hematol** 1980 Apr;8(4):384–94

Studies of the hemopoietic microenvironments. V. Changes in murine splenic and bone marrow glycosaminoglycans during post irradiation hemopoietic regeneration. Noordegraaf EM, et al. **Exp Hematol** 1981 Apr;9(4):326–31

Modulation by serum from irradiated and marrow transplanted mice of hemopoietic regeneration in mouse spleen organ cultures. von Melchner H, et al. **Exp Hematol** 1981 Jul;9(6):674–83

Bone marrow grafting in aplastic anemia after conditioning with cyclophosphamide and total body irradiation with lung shielding. Gluckman E, et al. **Haematol Bluttransfus** 1981;25:339–47

Influence of the recipient thymus on the maturation of T–lymphocytes in H–2 different radiation chimeras. Rodt H, et al. **Haematol Bluttransfus** 1981;25:179–91

T cell mediated cytotoxic immune reactivity of bone marrow reconstituted chimeric mice. Wagner H, et al. **Haematol Bluttransfus** 1981;25:101–12

Cellular basis of graft versus host tolerance in chimeras prepared with total lymphoid irradiation. Gottlieb M, et al. **J Exp Med** 1980 Sep 1;152(3):736–41

Immunological regulation of experimental cutaneous leishmaniasis. IV. Prophylactic effect of sublethal irradiation as a result of abrogation of suppressor T cell generation in mice genetically susceptible to Leishmania tropica. Howard JG, et al. **J Exp Med** 1981 Mar 1; 153(3):557–68

Immunoregulatory changes induced by total lymphoid irradiation. II. Development of thymus–leukemia antigen–positive and –negative suppressor T cells that differ in their regulatory function. King DP, et al. **J Exp Med** 1981 Jul 1;154(1):13–23

Restricted antibody formation to sheep erythrocytes of allogeneic bone marrow chimeras histoincompatible at the K end of the H–2 complex. Onoé K, et al. **J Exp Med** 1981 Apr 1;153(4):1009–14

Expression of resistance to Friend virus–stimulated erythropoiesis in bone marrow chimeras containing Fv–2rr and Fv–2ss bone marrow. Silver J, et al. **J Exp Med** 1981 Jul 1;154(1):126–37

Self recognition in allogeneic radiation bone marrow chimeras. A radiation–resistant host element dictates the self specificity and immune response gene phenotype of T–helper cells. Singer A, et al. **J Exp Med** 1981 May 1; 153(5):1286–301

Synergism between two helper cell subpopulations characterized by different radiosensitivity and nylon adherence. Agarossi G, et al. **J Immunol** 1981 Mar; 126(3):955–60

Studies on the mechanism of the self restriction of T cell responses in radiation chimeras. Fink PJ, et al. **J Immunol** 1981 Aug;127(2):694–7

Early dominance of irradiated host cells in the responder profiles of thymocytes from P leads to F1 radiation chimeras. Korngold R, et al. **J Immunol** 1981 Jul; 127(1):124–9

Immunologic effects of whole body ultraviolet (UV) irradiation. II. Defect in splenic adherent cell antigen presentation for stimulation of T cell proliferation. Letvin NL, et al. **J Immunol** 1980 Sep;125(3):1402–4

Loss of Ia–bearing splenic adherent cells after whole body ultraviolet irradiation. Letvin NL, et al. **J Immunol** 1980 Dec;125(6):2550–4

Long–term survival of murine allogeneic bone marrow chimeras: effect of anti–lymphocyte serum and bone marrow dose. Norin AJ, et al. **J Immunol** 1981 Feb; 126(2):428–32

Antigen–primed helper T cell function in CBA/N mice is radiosensitive. Phillips NE, et al. **J Immunol** 1981 Aug; 127(2):495–500

Inhibition of T cells proliferation and SLE–like syndrome of MRL/1 mice by whole body or total lymphoid irradiation. Theofilopoulos AN, et al. **J Immunol** 1980 Nov; 125(5):2137–42

Inhibition of antigen–induced proliferation of T cells from radiation–induced bone marrow chimeras by a monoclonal antibody directed against an Ia determinant on the antigen–presenting cell. Longo DL, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):514–8

Functional differentiation of T–cell precursors. II. Recovery of immunocompetence in lethally irradiated bone marrow reconstituted mice. Cohn ML, et al. **Thymus** 1980 Sep; 2(2):61–74

Effects of supralethal total body irradiation and bone marrow reconstitution upon immunologic memory. Akiyama N, et al. **Transplant Proc** 1981 Mar;13(1 Pt 1):657–9

Induction of tolerance to cardiac allografts in syngeneic radiation chimeras: importance of repopulating immune cell type. Dittmer JE, et al. **Transplant Proc** 1981 Mar;13(1 Pt 1):616–8

Prevention of AKR leukemia by transplanting H–2–incompatible allogeneic bone marrow requires the maintenance of chimerism. Emeson EE, et al. **Transplant Proc** 1981 Mar;13(1 Pt 2):774–7

Mechanism of the maintenance of transplantation tolerance. Moran T, et al. **Transplant Proc** 1981 Mar;13(1 Pt 1):611–3

Specific immune suppression in adult mice across K–I–D fully allogeneic histoincompatibility barriers induced by lymphocyte–free bone marrow cells. Müller–Ruchholtz W, et al. **Transplant Proc** 1981 Mar;13(1 Pt 1):603–7

Specific graft–versus–host nonreactivity of lymphoid cells from irradiation chimeras. Norin AJ, et al. **Transplant Proc** 1981 Mar;13(1 Pt 2):1241–4

Induction of allogeneic unresponsiveness by supralethal irradiation and bone marrow reconstitution. Rapaport FT, et al. **Transplant Proc** 1980 Sep;12(3):473–6

Immunosuppression and tolerance after total lymphoid irradiation (TLI). Strober S, et al. **Transplant Proc** 1980 Sep;12(3):477–82

[Morphophysiological characteristics of the development and involution of mammary gland structures in murine radiation chimeras] Khrushchov NG, et al. **Ontogenez** 1981; 12(3):283–8 (Eng. Abstr.) **(Rus)**

RADIATION DOSAGE

see related
RADIOTHERAPY DOSAGE

Microdosimetry. II. Use of secondary electron emission to simulate two target models. Burlin TE, et al. **Acta Radiol Oncol Radiat Phys Biol** 1980;19(3):209–14

Microdosimetry. I. Use of secondary electron emission. Forsberg BJ, et al. **Acta Radiol Oncol Radiat Phys Biol** 1980;19(2):115–27

Uptake of serotonin liberated by irradiation of rabbits and mice. Veninga T, et al. **Acta Radiol Oncol Radiat Phys Biol** 1980;19(5):369–71

Radiologic exposure conditions and resultant skin doses in application of xeroradiography to the orthodontic diagnosis. Nakasima A, et al. **Am J Orthod** 1980 Dec; 78(6):646–56

Dosimetry of C.T. scanners. Cardew AP, et al. **Australas Radiol** 1980 Jul;24(2):182–91

Proceedings of the British Institute of Radiology, Dosimetry and risks to patients in radiopharmaceutical investigations. Abstracts. **Br J Radiol** 1981 May;54(641):431–5

NSD and fractionation [letter] Ellis F. **Br J Radiol** 1980 Aug; 53(632):821–2

Radiation doses in clinical practice. Ellis RE. **Bull Mem Acad R Med Belg** 1979 Oct 27;134(9):419–29

Metabolism of ingested 14C–triolein. Estimation of radiation dose in tests of lipid assimilation using 14C–and 3H–labelled fatty acids. Pedersen NT, et al. **Eur J Nucl Med** 1981; 6(7):327–9

Bladder wall dosimetry after the administration of 99mTc–diphosphonate. Castronovo FP Jr, et al. **Health Phys** 1981 May;40(5):744–6

Variability of human thyroid characteristics and estimates of dose from ingested 131I. Dunning DE Jr, et al. **Health Phys** 1981 May;40(5):661–75

Stochastic calculations for radiation risk assessment: a Monte–Carlo approach to the simulation of radiocesium transport in the posture––cow––milk food chain. Matthies M, et al. **Health Phys** 1981 May;40(5):764–9

Parameter uncertainty and estimated radiological dose to man from atmospheric 131I releases: a Monte Carlo approach. O'Neill RV, et al. **Health Phys** 1981 May;40(5):760–4

Calculated depth dose distribution for heavy water moderated fission neutrons. Singh D, et al. **Health Phys** 1980 Nov;39(5):826–9

A comparison of photon dosages behind high and low Z shielding blocks in electron fields. Shabason L, et al. **Int J Radiat Oncol Biol Phys** 1981 Jan;7(1):125–8

A method for minimizing the radiation exposure from scoliosis radiographs. De Smet AA, et al. **J Bone Joint Surg [Am]** 1981 Jan;63A(1):156–61

Fluoroscopic radiation measurement in Saskatchewan. Brown MR, et al. **J Can Assoc Radiol** 1981 Jun;32(2):118–20

The radiation hazard in hospitals––a reappraisal. Houston CS, et al. **J Can Assoc Radiol** 1981 Jun;32(2):77–8

Risk of cancer subsequent to low–dose radiation. Warren S. **J Forensic Sci** 1980 Oct;25(4):721–6

Specific absorbed fractions for photon sources uniformly distributed in the heart chambers and heart wall of a heterogeneous phantom. Coffey JL, et al. **J Nucl Med** 1981 Jan;22(1):65–71

Low level radiation bioeffects: the need for an educational program for the public. Hendee WR. **J Nucl Med** 1981 Jan;22(1):90–3

Leukemia in the Nevada 'Smoky' bomb test [editorial] Bond VP, et al. **JAMA** 1980 Oct 3;244(14):1610

Leukemia among participants in military maneuvers at a nuclear bomb test. A preliminary report. Caldwell GG, et al. **JAMA** 1980 Oct 3;244(14):1575–8

Risks of radiation at low dose rates. Baverstock KF, et al. **Lancet** 1981 Feb 21;1(8217):430–3

Concerning dose buildup at the air–tissue interface [letter] August LS, et al. **Med Phys** 1980 Nov–Dec;7(6):727–9

X–ray beam characteristics of the Varian Clinac 6–100 linear accelerator. Coffey CW 2d, et al. **Med Phys** 1980 Nov–Dec; 7(6):716–22

Calculation of pion dose distributions in water. Hogstrom KR, et al. **Med Phys** 1980 Nov–Dec;7(6):703–9

Dose efficiency and the effects of resolution and noise on detail perceptibility in radiographic magnification. Wagner LK, et al. **Med Phys** 1981 Jan–Feb;8(1):24–32

Low–dose radiation and leukemia [letter] Bross ID. **N Engl J Med** 1980 Oct 2;303(14):815

Low–dose radiation and leukemia [letter] Jablon S. **N Engl J Med** 1980 Oct 2;303(14):814–5

Low–dose radiation and leukemia [letter] Preston–Martin S, et al. **N Engl J Med** 1980 Oct 2;303(14):815

Low–dose radiation and leukemia [letter] Rothman KJ. **N Engl J Med** 1980 Oct 2;303(14):815–6

Clinical dosimetry during cerebral arteriography. Chopp M, et al. **Neuroradiology** 1980;20(2):79–81

Preliminary mortality survey from 1973 to 1977 of Japanese radiological technologists and analyses of the association of mortality with cumulative doses. Aoyama T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Jan 25; 41(1):50–8

Nuclear–powered pacemakers [editorial] Hart H. **PACE** 1979 May;2(3):374–6

Radiation from implantable nuclear pacemakers. II. Analysis. Jacobson PM. **PACE** 1979 May;2(3):345–55

Radiation from implantable nuclear pacemakers. I. Dosimetry. Jacobson PM. **PACE** 1979 Mar;2(2):215–24

A MgWO4 photoconverter–based personnel UV–B dosimeter. Davidson G, et al. **Photochem Photobiol** 1981 Aug;34(2):287–96

Kerma factors for neutrons with energies up to 60 MeV. Behrooz MA, et al. **Phys Med Biol** 1981 May;26(3):507–10

Muon dose distribution from a decaying pencil beam of pions. Brosing JW, et al. **Phys Med Biol** 1981 Jul;26(4):633–40

Dosimetry with a diamond operating as a resistor. Burgemeister EA. **Phys Med Biol** 1981 Mar;26(2):269–75

Computer calculation of the dose distribution in the electron build–up region. Galvin JM, et al. **Phys Med Biol** 1980 Sep;25(5):903–11

Central–axis depth–dose data for diagnostic radiology. Harrison RM. **Phys Med Biol** 1981 Jul;26(4):657–70

The basis of a suggested instrumental approach to the surveying of neutron fields and the measurement of personal dose from neutrons. Harvey JR. **Phys Med Biol** 1981 Mar;26(2):253–67

Uncertainty of kerma factors in neutron dosimetry at En = 14.5 MeV. Jahr R, et al. **Phys Med Biol** 1980 Sep; 25(5):923–6

Absorbed dose from secondary electrons in high energy photon beams. Nilsson B, et al. **Phys Med Biol** 1979 Sep; 24(5):901–12

A revised equation relating tissue––air ratio to per cent depth–dose. Pfalzner PM. **Phys Med Biol** 1981 May; 26(3):510–3

Hit probability for cellular targets by bone–surface–seeking alpha emitters. Polig E. **Phys Med Biol** 1981 May; 26(3):369–77

An automatic timer control unit for the Farmer dosemeter type 2501/3. Rudd PJ. **Phys Med Biol** 1980 Jul;25(4):741–3

Energy deposition by proton beams of up to 31 MeV in microscopic volumes. Bettega D, et al. **Radiat Environ Biophys** 1981;19(2):79–89

Experimental limitations in microdosimetry measurements using the variance technique. Forsberg B, et al. **Radiat Environ Biophys** 1981;19(2):125–35

Radioiodine: biokinetics, mean dose and dose distribution. Kaul A, et al. **Radiat Environ Biophys** 1980;18(3):185–95

Explanation of dose–rate and split–dose effects on mouse foot reactions using the same time factor. Henkelman RM, et al. **Radiat Res** 1980 Nov;84(2):276–89

Measured attenuation coefficients at low photon energies (9.88–59.32 keV) for 44 materials and tissues. White DR, et al. **Radiat Res** 1980 Nov;84(2):239–52

Routine skin dose calculation using a desk–top calculator. Chu WK, et al. **Radiol Technol** 1980 Jul–Aug;52(1):41–4

X–ray doses to patients undergoing full–spine radiographic examination. Bhatnagar JP, et al. **Radiology** 1981 Jan; 138(1):231–3

The effect of mAs variation upon computed tomography image quality as evaluated by in vivo and in vitro studies. Haaga JR, et al. **Radiology** 1981 Feb;138(2):449–54

What's next? Beck G. **Rev Interam Radiol** 1980 Jul;5(3):93–4

Mammographic exposures in Rhode Island: a report on the Rhode Island BENT study. Ferruolo JL. **RI Med J** 1981 Aug;64(8):387–92

A–bomb radiation doses [letter] Groer PG. **Science** 1981 Jul 24;213(4506):392, 394

Radiation dosimetry [letter] Radford EP. **Science** 1981 Aug 7;213(4508):602

Radiation doses from Mount St. Helens 18 May 1980 Eruption. Soldat JK, et al. **Science** 1981 Jul 31; 213(4507):585

[Radiodosimetry of the China–made general diagnostic x–ray machines (author's transl)] Su SL. **Chung Hua Fang She Hsueh Tsa Chih** 1980;14(1):56–60 **(Chi)**

[Irradiation of the patient in tomodensitometry] Collard M, et al. **Bull Mem Acad R Med Belg** 1979 Oct 27; 134(9):508–20 (Eng. Abstr.) **(Fre)**

[Exposure rates in fluoroscopy in Quebec] Carrier R, et al. **J Can Assoc Radiol** 1981 Jun;32(2):121–4 (Eng. Abstr.) **(Fre)**

[Effect of ionizing radiation on the salivary glands of dogs irradiated in toto with dosages approaching LD 50/30 days] Maillart D. **Rev Odontostomatol (Paris)** 1981 Mar–Apr;10(2):171–4 **(Fre)**

[Estimation of organ dose during radiological and computer tomographic examinations with calculations of the somatically significant doses (author's transl)] Ewen K, et al. **ROEFO** 1980 Oct;133(4):425–9 (Eng. Abstr.) **(Ger)**

[Suggestions for standardisation of dose measurements and dose recording during mammography (author's transl)] Säbel M. **ROEFO** 1981 Mar;134(3):250–4 (Eng. Abstr.) **(Ger)**

[Radiation exposure in modified double–contrast examination of the intestine (author's transl)] Salomonowitz E, et al. **ROEFO** 1980 Oct;133(4):430–3 (Eng. Abstr.) **(Ger)**

[Fundamental facts on dosimetry in the assessment of radioexposure and risk of such exposure in children (author's transl)] Borchers HD, et al. **Roentgenblaetter** 1981 Feb;34(2):61–5 (Eng. Abstr.) **(Ger)**

[Radiation exposure of physician and patient in accident surgery] Buch J, et al. **Strahlenschutz Forsch Prax** 1980; 20:84–92 **(Ger)**

[Introduction and preliminary remarks on the problem of radiation exposure in computed tomography] Stieve FE. **Strahlenschutz Forsch Prax** 1980;20:115–25 **(Ger)**

[Radiation exposure of physician and patient during

phlebography as well as phleboscopy of lower extremities] Vacariu O, et al. **Strahlenschutz Forsch Prax** 1980;20:81–4 **(Ger)**

[Dosimetry 'in vivo' with thermoluminescent detectors. 2. Results of the use of 99mTc-sulfocolloid in radioisotope diagnosis of the liver] De Maria M, et al. **Minerva Med** 1980 Jun 16;71(24):1705 (Eng. Abstr.) **(Ita)**

[Dosimetry in hepato-biliary 'in vivo' with thermoluminescent detectors. 3. Results of the use of I 131-rose bengal radioisotope diagnosis] De Maria M, et al. **Minerva Med** 1980 Jun 16;71(24):1709–11 (Eng. Abstr.) **(Ita)**

[Stochastic risk estimation from medical x-ray diagnostic examinations. 3. Population doses and population risks from x-ray diagnosis (author's transl)] Hashizume T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Feb; 41(2):132–43 (Eng. Abstr.) **(Jpn)**

[Stochastic risk estimation from medical x-ray diagnostic examinations (author's transl)] Hashizume T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1980 Sep 25; 40(9):885–97 (Eng. Abstr.) **(Jpn)**

[Stochastic risk estimation from medical x-ray diagnostic examinations. 2. Risk estimates of individuals from x-ray diagnosis (author's transl)] Hashizume T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Jan 25; 41(1):59–70 (Eng. Abstr.) **(Jpn)**

[Quantitative evaluation of risks for individuals in diagnostic radiology (author's transl)] Iinuma TA, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1980 May; 40(5):476–84 (Eng. Abstr.) **(Jpn)**

[The experimental study on dose related tumor–cell destruction and mononuclear–cell–infiltration––enzymatical study on topical tumor tissue of C3H/He mice innoculated MM46–tumor (author's transl)] Imanaka K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Jan 25; 41(1):71–4 (Eng. Abstr.) **(Jpn)**

[Estimation of tissue and organ doses in stomach photofluorographic examination by a 12 inch dia. image intensifier system (author's transl)] Urahashi S. **Nippon Igaku Hoshasen Gakkai Zasshi** 1980;40(3):222–37 (Eng. Abstr.) **(Jpn)**

[Radiation and leukemia (author's transl)] Ichimaru M. **Radioisotopes** 1980 Dec;29(12):622–31 **(Jpn)**

[Evaluation of risk due to medical irradiation] Hashizume T. **Rinsho Hoshasen** 1981 Jan;26(1):167–70 **(Jpn)**

[Relationship between changes in the time factor and the interval when rats are exposed twice to uniform and nonuniform irradiation] Avetisov GM. **Radiobiologiia** 1980 Sep–Oct;20(5):704–8 (Eng. Abstr.) **(Rus)**

[Exposure to ionizing radiation of personnel during catheterization angiography] Alunić L, et al. **Vojnosanit Pregl** 1980 Sep–Oct;37(5):377–9 **(Scr)**

RADIATION EFFECTS

A study of vital rates near a nuclear reactor. Lambert JY, et al. **Arch Environ Health** 1980 Jul–Aug;35(4):235–9

Radiation methods in agriculture. Kuzin AM. **Biol Bull Acad Sci USSR** 1979 Sep–Oct;6(5):566–72

Effect of conjugated and unconjugated hyperbilirubinaemia on the plasma 25-hydroxy-vitamin D response to ultraviolet radiation in the rat. Long RG, et al. **Clin Sci** 1980 Oct;59(4):293–6

History of health studies around nuclear facilities: a methodological consideration. Tokuhata GK, et al. **Environ Res** 1981 Jun;25(1):75–85

Radiation-induced changes in gentamicin pharmacokinetics. Trnovec T, et al. **Experientia** 1980 Sep 15;36(9):1098–9

Perspective on occupational mortality risks. Cohen BL. **Health Phys** 1981 May;40(5):703–24

A review of organ doses from isotopic fields of gamma-rays. Kerr GD. **Health Phys** 1980 Jul;39(1):3–20

Can cosmic rays interfere with computer memories? Llaurado JG. **Int J Biomed Comput** 1981 Jul;12(4):275–81

Haematological and immune suppressive effects of total body irradiation in the rat. Mills KH, et al. **Ir J Med Sci** 1980 May;149(5):201–8

Reactions to ionizing radiation. Goldschmidt H, et al. **J Am Acad Dermatol** 1980 Dec;3(6):551–79 (164 ref.)

Low level radiation bioeffects: the need for an educational program for the public. Hendee WR. **J Nucl Med** 1981 Jan;22(1):90–3

The effect of lethal, whole-body irradiation of mice on Trypanosoma vivax infection. de Gee AL, et al. **J Parasitol** 1980 Dec;66(6):1061–3

Attenuation factors for certain tissues when the body is irradiated omnidirectionally. Ashton T, et al. **Phys Med Biol** 1979 Sep;24(5):950–63

The BEIR III controversy. Fabrikant JI. **Radiat Res** 1980 Dec;84(3):361–8

Human health effects of low doses of ionizing radiation: the BEIR III controversy. Radford EP. **Radiat Res** 1980 Dec; 84(3):369–94

Comments on the somatic effects section of the BEIR III report. Rossi HH. **Radiat Res** 1980 Dec;84(3):395–406

Electron irradiation effects in the EPMA quantitation of organic specimens. Edie JW, et al. **Scan Electron Microsc** 1980;(Pt 2):271–84

Specimen damage considerations in biological microprobe analysis. Kirz J. **Scan Electron Microsc** 1980;(Pt 2):239–49

A new concept of cumulative biological effect. Lokajíček MV, et al. **Strahlentherapie** 1981 Jan;157(1):41–5

Effect of whole-body x-irradiation on the morphogenesis of rat deciduoma. Tarachand U, et al. **Strahlentherapie** 1981 Jul;157(7):474–8

The effect of beta blockade on the reaction of pressure and mesenteric flow to biogenic amines in normal and X-irradiated rats. Timmermans R, et al. **Strahlentherapie** 1981 Mar;157(3):208–12

[Variability of the dose effect in the radio-biologic experimentation on animals. Fourth communication: influence of group sizes (cage effect) in the radio-biologic experimentation on animals (author's transl)] Peters K, et al. **Strahlentherapie** 1981 Mar;157(3):191–207 (Eng. Abstr.) **(Ger)**

[Variability of the dose effect in the radio-biologic experimentation on animals. First communication:influence of breed, sex and age on death rates and LD 50/30 values (author's transl)] Peters R, et al. **Strahlentherapie** 1981 Jan; 157(1):50–62 (Eng. Abstr.) **(Ger)**

[Incidence of the 9qh+ variant in subjects with occupational exposure to radiation and in cases of reproductive pathology] Milani-Comparetti M, et al. **Boll Soc Ital Biol Sper** 1981 Feb 28;57(4):351–4 (Eng. Abstr.) **(Ita)**

[Biological effects of exposure to ionizing radiations (author's transl)] Martinenghi C. **Med Lav** 1979 Nov–Dec; 70(6):481–6 (Eng. Abstr.) **(Ita)**

[Radiosterilization of medical products VI. Studies on changes of chemical properties and dialysance of hemodialyzers irradiated by the gamma ray of 60Co, and on the sterilization effects (author's transl)] Tsuji K, et al. **Eisei Shikenjo Hokoku** 1980;98:21–6 (Eng. Abstr.) **(Jpn)**

[Action on the body of elevated environmental temperature in combination with a radiation factor] Tsapkov MM. **Gig Sanit** 1981 Jan;(1):50–3 **(Rus)**

[Effect of electromagnetic oscillations in the millimeter wave-length range of biological systems] Deviatkov ND, et al. **Radiobiologiia** 1981 Mar–Apr;21(2):163–71 **(Rus)**

[Combined action of ionizing and microwave radiation on rats] Grigor'ev IuG, et al. **Radiobiologiia** 1981 Mar–Apr; 21(2):289–93 (Eng. Abstr.) **(Rus)**

[Quantitative differences in the effects of fractionated and continuous irradiations with an equal total exposure time] Tikhomirova LK. **Radiobiologiia** 1980 Jul–Aug;20(4):616–9 (Eng. Abstr.) **(Rus)**

RADIATION GENETICS

Social cohesiveness of convict cichlid fish (Cichlasoma nigrofasciatum Guenther) after irradiation of parental spermatogonia and oogonia with different doses of x-rays. Schröder JH. **Behav Genet** 1980 Mar;10(2):217–24

Photoreactivation of Escherichia coli after exposure to ionizing radiation: the role of U.V. damage by concomitant Cerenkov light. Michael BD, et al. **Int J Radiat Biol** 1981 May;39(5):577–83

Cerenkov light and the production of photoreactivatable damage in X-irradiated E. coli. Redpath JL, et al. **Int J Radiat Biol** 1981 May;39(5):569–75

Recovery kinetics of radiation-induced chromosome aberrations in human G0 lymphocytes. Virsik RP, et al. **Radiat Environ Biophys** 1980;18(3):221–38

[Special problems in pediatric radiology] Claus D. **Bull Mem Acad R Med Belg** 1979 Oct 27;134(9):473–9 (Eng. Abstr.) **(Fre)**

[Population doses from beam therapy in Japan 1978. Part 2. Estimation of genetically significant dose, per caput mean bone marrow dose and leukemia significant dose (author's transl)] Hashizume T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1980 May; 40(5):466–75 (Eng. Abstr.) **(Jpn)**

[Inheritable change in cell death frequency induced by irradiation] Bychkovskaia IB, et al. **Radiobiologiia** 1980 Jul–Aug;20(4):542–9 (Eng. Abstr.) **(Rus)**

RADIATION INJURIES

Techniques for detecting and determining risks from low-level radiation. Boice JD. **Am J Forensic Med Pathol** 1980 Dec;1(4):318–23

Complications in the treatment of small cell carcinoma of the lung. Feld R. **Cancer Treat Rev** 1981 Mar;8(1):5–25 (85 ref.)

Differences between natural ageing and radio-induced shortening of the life expectancy in Drosophila melanogaster. Giess MC. **Gerontology** 1980;26(6):301–10

Soft-tissue reactions following irradiation of primary brain and pituitary tumors. Baglan RJ, et al. **Int J Radiat Oncol Biol Phys** 1981 Apr;7(4):455–9

Late reactions and complications in patients treated with high energy neutrons p (66MeV)be(49MeV). Cohen L, et al. **Int J Radiat Oncol Biol Phys** 1981 Feb;7(2):179–84

Therapeutic irradiation and brain injury. Sheline GE, et al. **Int J Radiat Oncol Biol Phys** 1980 Sep;6(9):1215–28 (99 ref.)

Late complications of radiation only for advanced breast cancer. Spanos WJ Jr, et al. **Int J Radiat Oncol Biol Phys** 1980 Nov;6(11):1473–6

Spinal deformity in children treated for neuroblastoma. Mayfield JK, et al. **J Bone Joint Surg [Am]** 1981 Feb; 63A(2):183–93

Postradiation renovascular hypertension. McGill CW, et al. **J Pediatr Surg** 1979 Dec;14(6):831–3

Possible association between radiation exposure and chromosome changes [letter] Bardhan S, et al. **Lancet** 1981 Aug 15;2(8242):362–3

The incidence of unstable chromosome aberrations in peripheral blood lymphocytes from unirradiated and occupationally exposed people. Lloyd DC, et al. **Mutat Res** 1980 Aug;72(3):523–32

Genetic effects of the atomic bombs: a reappraisal. Schull WJ, et al. **Science** 1981 Sep 11;213(4513):1220–7

[Hodgkin disease: mediastinum lymph node calcifications after radiotherapy (author's transl)] Hery M, et al. **Bull Cancer (Paris)** 1980;67(3):337–40 **(Fre)**

[Chorioretinal lesions induced by radiotherapy] Zografos L, et al. **Bull Mem Soc Fr Ophtalmol** 1980;92:325–31 **(Fre)**

[Spine deformities induced by irradiation of Wilm's tumors (author's transl)] Dubousset J. **Rev Chir Orthop** 1980 Oct; 66(7):441–51 (Eng. Abstr.) **(Fre)**

[Growth of the tooth root after radiation––an animal experimental study] Scheibe B, et al. **Dtsch Zahnaerztl Z** 1980 Jan;35(1):78–81 (Eng. Abstr.) **(Ger)**

[Modification of time interval between surgery and irradiation as well as additional therapeutic measures of a brachial plexus disorder in operated breast carcinoma?] Hering KG, et al. **Strahlentherapie [Sonderb]** 1980;75:202–4 **(Ger)**

[Behavior of various B-vitamins following radiation and/or cytostatic treatment of gynecologic carcinomas] Ladner HA, et al. **Strahlentherapie [Sonderb]** 1978;75:191–5 **(Ger)**

[Problems of late formation of a radiation-induced vesico-vaginal fistula. Case report] Kindt J, et al. **Zentralbl Gynaekol** 1981;103(5):313–7 (Eng. Abstr.) **(Ger)**

[Measurement technics for the evaluation of risks in exposure to non-coherent optical radiation] Cremonese M. **Ann Ist Super Sanita** 1980;16(3):477–81 **(Ita)**

[Medical repercussions of non-ionizing radiations on the environment: introduction to the problem] Dardanoni L. **Ann Ist Super Sanita** 1980;16(3):401–6 **(Ita)**

[Injuries to the embryo and fetus caused by ionizing radiation] Devik F. **Tidsskr Nor Laegeforen** 1980 Oct 30; 100(30):1780–5 (Eng. Abstr.) **(Nor)**

[Biological effects of ultraviolet light] Madrigal Bujaidar E. **SPM** 1980 Mar–Apr;22(2):167–77 (Eng. Abstr.) **(Spa)**

BLOOD

[Investigations of combined injuries, 28th communication: Troubles of hemostatic equilibrium arising from radiation and combined injuries (author's transl)] Boegelein K, et al. **Strahlentherapie** 1980 Jun;156(6):430–6 (Eng. Abstr.) **(Ger)**

CLASSIFICATION

[Classification of persons professionally exposed to radiation into categories for the determination of the degree of protection] Formanek H, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1980 Dec;30(12):477–81 **(Ger)**

COMPLICATIONS

Radiation-induced recurrent intestinal pseudo-obstruction. Conklin JL, et al. **Am J Gastroenterol** 1981 Jun;75(6):440–4

Animal model of human disease. Renal osteodystrophy in dogs with radiation nephropathy. Norrdin RW. **Am J Pathol** 1981 Jun;103(3):466–9

Pseudomonas endophthalmitis associated with scleral necrosis. Tarr KH, et al. **Br J Ophthalmol** 1980 Sep; 64(9):676–9

The effect of pre- and postmastectomy radiotherapy on the degree of edema, shoulder-joint mobility, and gripping force. Swedborg I, et al. **Cancer** 1981 Mar 1;47(5):877–81

[Peliosis hepatis localized after epigastric irradiation (author's transl)] Viala JJ, et al. **Arch Anat Cytol Pathol** 1981; 29(2):118–20 (Eng. Abstr.) **(Fre)**

[Radiation-induced spinal amyotrophy] Feudell P. **Neurologija** 1979;27(1–4):103–6 (Eng. Abstr.) **(Ger)**

[The syndrome of postirradiation heart injury (author's transl)] Dubiel JP, et al. **Przegl Lek** 1980;37(11):755–9 (35 ref.) **(Pol)**

DIAGNOSIS

Radiation myelitis: can diagnosis be unequivocal without histological evidence? Abadir R. **Int J Radiat Oncol Biol Phys** 1980 May;6(5):649–50

Early indicators of radiation injury in the lung: are they useful predictors for late changes? Travis EL. **Int J Radiat Oncol Biol Phys** 1980 Sep;6(9):1267–9

Considerations in the diagnosis of radiation injury. Chacko DC. **JAMA** 1981 Mar 27;245(12):1255–8

Brachial plexus lesions in patients with cancer: 100 cases. Kori SH, et al. **Neurology (NY)** 1981 Jan;31(1):45–50

[Diagnostic problems posed by radiological burns] Jammet HP. **Bull Acad Natl Med (Paris)** 1980 Feb;164(2):194–8 (Eng. Abstr.) **(Fre)**

[Late radiation damage in the intestine. Clinical aspects, therapy and prognosis (author's transl)] Baer U, et al. **MMW** 1981 Mar 27;123(13):503–7 (Eng. Abstr.) **(Ger)**

[Expert assessment of the sequelae after the radical treatment of cervical cancer] Neumeister K, et al. **Radiobiol Radiother (Berl)** 1980;21(3):340–5 (Eng. Abstr.) **(Ger)**

[comparative radiologic and scintigraphic examinations of radiation pneumonitis in 60Co–telegammatherapy of breast cancer patients] Todorov J, et al. **Radiobiol Radiother (Berl)** 1981;22(1):69–77 (Eng. Abstr.) **(Ger)**

[Late effects after high–voltage radiation therapy in the region of the minor pelvis: experience with more than 1000 patients between 1950 and 1977 (author's transl)] Glanzmann C. **Strahlentherapie** 1980;156(10):678–83 (Eng. Abstr.) **(Ger)**

[The difference between delayed radiation–necroses of the cerebral hemispheres and midline: its bearing in radiation therapy (author's transl)] Holdorff B. **Strahlentherapie** 1980 Aug;156(8):530–7 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Chloramphenicol toxicity in radiation disease. Pospíšil M, et al. **Acta Radiol Oncol Radiat Phys Biol** 1980;19(3):193–7

Superoxide dismutase in the treatment of post–radiotherapeutic necrosis and of Crohn's disease. Emerit J, et al. **Bull Eur Physiopathol Respir** 1981;17 Suppl:287

[Investigations on combined injuries, 29th communication. Protective effect of aminopropylamino–ethylthiophosphate (WR 2721) in mice with radiation and combined injuries (irradiation and skin wound or burn) (author's transl)] Sedlmeier H, et al. **Strahlentherapie** 1980 Aug;156(8):572–8 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

[Dose dependence of the activity of several enzymes and liver glycogen in the radiation therapy of stomach cancers] Djakova AM, et al. **Radiobiol Radiother (Berl)** 1981; 22(1):90–5 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Dose effect relationships in cervical and thoracic radiation myelopathies. Holdorff B. **Acta Radiol Oncol Radiat Phys Biol** 1980;19(4):271–7 (26 ref.)

Radiation injury in surgical pathology. Part III. Salivary glands, pancreas and skin. Fajardo LF, et al. **Am J Surg Pathol** 1981 Apr;5(3):279–96

The late appearance of chronic pericardial disease in patients treated by radiotherapy for Hodgkin's disease. Applefeld MM, et al. **Ann Intern Med** 1981 Mar;94(3):338–41

Complications following pelvic irradiation for ovarian carcinoma. Mills PR, et al. **Br J Clin Pract** 1980 May; 34(5):150–4

Complications of radiotherapy. Strickland P. **Br J Hosp Med** 1980 Jun;23(6):552, 556–60, 565

Late complications of pterygium treatment. Tarr KH, et al. **Br J Ophthalmol** 1980 Jul;64(7):496–505

Radiation pneumonitis in a patient exposed to asbestos. Ashford RF, et al. **Br J Radiol** 1981 Jan;54(637):74–7

Radiation myelopathy in patients treated for carcinoma of bronchus using a six fraction regime of radiotherapy. Dische S, et al. **Br J Radiol** 1981 Jan;54(637):29–35

Vocal–cord paralysis after treatment of thyrotoxicosis with radioiodine. Robson AM. **Br J Radiol** 1981 Jul;54(643):632

Azoospermia after iodine–131 treatment for thyroid carcinoma. Handelsman DJ, et al. **Br Med J** 1980 Dec 6; 281(6254):1527

The enhancement effect of irradiation by methotrexate. Report of three complications. Shehata WM, et al. **Cancer** 1980 Sep 15;46(6):1349–52

Incidence of hypothyroidism after radioactive iodine therapy for thyrotoxicosis in Hong Kong Chinese. Best JD, et al. **Clin Radiol** 1981 Jan;32(1):57–61

Kidney damage by ionizing radiation. Kösters S, et al. **Eur Urol** 1981;7(2):115–7

Skin lesions and radioactivity in jewelry. **FDA Drug Bull** 1981 Mar;11(1):3–4

Proposed estimates of te probability of inducing pulmonary injury sufficient to cause death from radiation pneumonitis and pulmonary fibrosis after briefly inhaling a mixture of insoluble beta–emitting particles. Scott BR. **Health Phys** 1980 Apr;38(4):635–42

A case history of severe radiation burns from 50 kVC x–rays. Steidley KD, et al. **Health Phys** 1981 Mar;40(3):399–405

Injury due to accidental exposure to x–rays from an x–ray fluorescence spectrometer. Weigensberg IJ, et al. **Health Phys** 1980 Aug;39(2):237–43

Late sequelae after cure of childhood cancer. D'Angio GJ. **Hosp Pract** 1980 Nov;15(11):109–11, 114–5, 119–21

Radiation necrosis of the mandible: a 10 year study. Part II. Dental factors; onset, duration and management of necrosis. Murray CG, et al. **Int J Radiat Oncol Biol Phys** 1980 May;6(5):549–53

Pathologic effects of intracavitary irradiation with Californium–252. Sullivan MF, et al. **Int J Radiat Oncol Biol Phys** 1980 Dec;6(12):1613–27

Ionizing radiation from tinted single vision spectacle lenses. Pecora JL, et al. **J Am Optom Assoc** 1980 Jan;51(1):44–5

Megaloblastic anaemia after pelvic radiotherapy for carcinoma of the cervix. Anderson CG, et al. **J Clin Pathol** 1981 Feb;34(2):151–2

Iodine isotopes in radiation hygiene. Vasilenko IY. **J Hyg Epidemiol Microbiol Immunol (Praha)** 1980; 24(2):142–9 (50 ref.)

Complications of therapeutic radiation. Kays HW. **J Indiana State Med Assoc** 1981 Feb;74(2):89–93

Radiation necrosis after treatment of solitary intracranial metastases. Sundaresan N, et al. **Neurosurgery** 1981 Mar; 8(3):329–33

Severe conduction disturbances and ventricular arrhythmias complicating mediastinal irradiation for Hodgkin's disease: a case report. Mary–Rabine L, et al. **PACE** 1980 Sep; 3(5):612–7

The nature of radiation injury. Watson GM. **Pathology** 1980 Apr;12(2):155–60

X–ray, microwave, and ultrasound: the real and unreal hazards. Brent RL. **Pediatr Ann** 1980 Dec;9(12):469–73 (8 ref.)

Epiglottic enlargement following radiation treatment of head and neck tumors. Yousefzadeh DK, et al. **Pediatr Radiol** 1981 Feb;10(3):165–8

Pancreatic insufficiency following abdominal irradiation. Kingham JG, et al. **Postgrad Med J** 1980 Nov; 56(661):804–5

Chromosome aberrations induced in patients treated with telecobalt therapy for mammary carcinoma. Antoine JL, et al. **Radiat Res** 1981 Apr;86(1):171–7

Radiation tolerance of the cervical spinal cord. Kim YH, et al. **Radiology** 1981 May;139(2):473–8

Probability models in the analysis of radiation–related complications: utility and limitations. Potish RA, et al. **Radiology** 1981 Jul;140(1):203–7

Radiation pneumonitis following electron beam radiotherapy. Wade JS, et al. **Rev Interam Radiol** 1980 Oct;5(4):117–20

New A–bomb data shown to radiation experts: conference goers are impressed with the revised picture of hiroshima, but foresee little change in risk estimates [news] Marshall E. **Science** 1981 Jun 19;212(4501):1364–5

FDA sees no radiation risk in VDT screens [news] Marshall E. **Science** 1981 Jun 5;212(4499):1120–1

Complications of radiation treatment of Hodgkin's disease. Thar TL, et al. **Semin Oncol** 1980 Jun;7(2):174–83

Osteonecrosis of the femoral head in lymphoma patients treated with combined chemotherapy including corticosteroids. Nikkanen TA, et al. **Strahlentherapie** 1980 Jun;156(6):417–9

Dermal dysplasia, hypotrichosis, and dorsal skin ulcers in adult NMRI–mice after X–irradiation in utero. Schmahl W, et al. **Virchows Arch [Pathol Anat]** 1980;385(3):271–82

[Frequency of complications and radiotherapeutic progresses in Hodgkin's disease (author's transl)] Abbatucci JS. **Ann Radiol (Paris)** 1981 Apr–May;24(4):239–44 **(Fre)**

[Post–radiation injury of the ileal small bowel: clinical and pathological report of 12 cases (author's transl)] Bognel C, et al. **Bull Cancer (Paris)** 1980;67(3):281–9 (Eng. Abstr.) **(Fre)**

[Radiation enteritis of small intestine (author's transl)] De Poerck AF, et al. **J Belge Radiol** 1980;63(5):573–9 (Eng. Abstr.) **(Fre)**

[Late post–radiation pericarditis. Apropos of 2 cases] Bauters F, et al. **Lille Med** 1980 Aug–Sep;25(7):350–3 (Eng. Abstr.) **(Fre)**

[Coronary heart disease induced by radiotherapy] Cousineau G, et al. **Union Med Can** 1981 Jan;110(1):52–4 (Eng. Abstr.) **(Fre)**

[Radiation load––is there a threshold dose?] Grüter H. **Dtsch Med Wochenschr** 1980 Jun 13;105(24):841–3 **(Ger)**

[PUVA treatment and the problem of ocular damage (author's transl)] Lerman S, et al. **Klin Monatsbl Augenheilkd** 1981 May;178(5):347–9 (Eng. Abstr.) **(Ger)**

[Damages in the field of ENT caused by ecocatastrophes (author's transl)] Lesoine W. **Laryngol Rhinol Otol (Stuttg)** 1981 Jun;60(6):281–3 (Eng. Abstr.) **(Ger)**

[Radiation myelopathy following radiotherapy of larynx cancer] Buchholz A, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1980 Nov; 32(11):663–8 (Eng. Abstr.) **(Ger)**

[Side effects and complications after irradiation therapy of malignant kidney tumours (author's transl)] Fröhlich D, et al. **Radiobiol Radiother (Berl)** 1981;22(1):55–62 (Eng. Abstr.) **(Ger)**

[Radiation exposure and radiation risks from body scanners (author's transl)] Löhr H, et al. **ROEFO** 1980 Jun; 132(6):667–71 (Eng. Abstr.) **(Ger)**

[Cases of industrial diseases and radiation exposure. Proceedings] **Strahlenschutz Forsch Prax** 1980;21:1–247 **(Ger)**

[Diseases of the brachial plexus after surgery and irradiation of breast cancer (author's transl)] Hering KG, et al. **Strahlentherapie** 1981 Feb;157(2):86–90 (Eng. Abstr.) **(Ger)**

[Skull cap necrosis with simultaneous radio–chemotherapy using the Ommaya reservoir] Kutzner J, et al. **Strahlentherapie [Sonderb]** 1978;75:177–9 **(Ger)**

[Lumbo–sacral plexus neuropathy induced by irradiation (author's transl)] Neundörfer B, et al. **Wien Klin Wochenschr** 1981 Apr 17;93(8):269–71 (Eng. Abstr.) **(Ger)**

[Late radiation damage to intestines following irradiation of gynaecological tumours (author's transl)] Baer U, et al. **Zentralbl Gynaekol** 1980;102(3):171–80 (Eng. Abstr.) **(Ger)**

[Evaluation of the risks in exposure to lasers] Martellucci S. **Ann Ist Super Sanita** 1980;16(3):483–9 **(Ita)**

[Actinic lesions of the ileum] Viola S, et al. **Chir Ital** 1980 Jun;32(3):645–53 (Eng. Abstr.) **(Ita)**

[Eye lesions in subjects exposed to microwaves and infrared rays (author's transl)] Fanucchi L, et al. **Med Lav** 1980 Jul–Aug;71(4):296–304 (Eng. Abstr.) **(Ita)**

[Radiation pneumonitis in the radiation therapy of bronchogenic carcinoma (author's transl)] Ikezoe J, et al. **Rinsho Hoshasen** 1980 Nov;25(12):1255–60 (Eng. Abstr.) **(Jpn)**

[Significance of the dosage value and time factor in the development of radiation pneumosclerosis] Kats MS, et al. **Med Radiol (Mosk)** 1980 Nov;25(11):28–34 (Eng. Abstr.) **(Rus)**

[Radiation injuries to the spinal cord in the treatment of lymphogranulomatosis] Ludianskii EA, et al. **Med Radiol (Mosk)** 1980 Nov;25(11):38–41 (Eng. Abstr.) **(Rus)**

[Factors affecting the radiation reactions of chest cavity organs in gamma teletherapy of esophageal cancer] Sarkisian IuKh, et al. **Med Radiol (Mosk)** 1981 Jun; 26(6):30–5 (Eng. Abstr.) **(Rus)**

[Ratio of the local radiation reactions to the dosage value in electron therapy] Skoropad IuD, et al. **Med Radiol (Mosk)** 1980 Nov;25(11):34–8 **(Rus)**

[Intravascular blood coagulation after irradiation] Sushkevich GN. **Med Radiol (Mosk)** 1981 Apr;26(4):60–4 (41 ref.) **(Rus)**

[Secondary (radiation) edemas of the extremities] Tsyb AF, et al. **Vestn Khir** 1980 Jul;125(7):53–9 (Eng. Abstr.) **(Rus)**

[Severe injury of the eye and orbit after radiotherapy] Merklová G, et al. **Cesk Oftalmol** 1980 Sep;36(5):341–3 (Eng. Abstr.) **(Slo)**

HISTORY

Shields Warren, M.D. : Excerpts from 'Medical aspects of the atomic bombings'. 1946. Warren S. **Am J Forensic Med Pathol** 1980 Dec;1(4):303–7

METABOLISM

Pentose phosphate pathway and radiation disease. Sonka J. **Acta Univ Carol [Med Monogr] (Praha)** 1979;89:1–129

OCCURRENCE

Health impact of the Three Mile Island accident. Upton AC. **Ann NY Acad Sci** 1981;365:63–75

Risks of low–level radiation––the evidence of epidemiology. Gloag D. **Br Med J** 1980 Nov 29;281(6253):1479–82

Radiation necrosis of the mandible: a 10 year study. Part I. Factors influencing the onset of necrosis. Murray CG, et al. **Int J Radiat Oncol Biol Phys** 1980 May;6(5):543–8

[The physician in the nuclear enery conyroversy. Notes on the effects of small radiation doses] Rausch L. **MMW** 1980 Jul 18;122(29):1056–8 **(Ger)**

[The radiologist's professional radiation risk in the view of international epidemiological studies (author's transl)] Schüttmann W. **Radiol Diagn (Berl)** 1980;21(6):849–58 (20 ref.) (Eng. Abstr.) **(Ger)**

[Necrosis and radiation–induced neoplasms after treatment of carcinomas of the larynx, tonsils and nasopharynx in the material of the Department of Radiotherapy Medical Academy in Warsaw in the years 1960––1975 (author's transl)] Kukolewska–Machnicka J, et al. **Pol Przegl Radiol** 1980;44(6):465–8 (Eng. Abstr.) **(Pol)**

[Radiation injuries to the rectum after cervical cancer therapy using the Agat–B after loading apparatus and their treatment] Bardychev MS, et al. **Med Radiol (Mosk)** 1981 Apr;26(4):28–31 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Radiation heart disease. Analysis of 16 young (aged 15 to 33 years) necropsy patients who received over 3,500 rads to the heart. Brosius FC 3d, et al. **Am J Med** 1981 Mar; 70(3):519–30

Radiation injury in surgical pathology. Part II. Alimentary tract. Berthrong M, et al. **Am J Surg Pathol** 1981 Mar; 5(2):153–78 (81 ref.)

Splenic injury caused by therapeutic irradiation. Dailey MO, et al. **Am J Surg Pathol** 1981 Jun;5(4):325–31

Morphological signs of a direct effect of experimental cryptorchidism on the Sertoli cells in rats irradiated as fetuses. Bergh A. **Biol Reprod** 1981 Feb;24(1):145–52

Posterior ocular abnormalities after irradiation for retinoblastoma: a histopathological study. Egbert PR, et al. **Br J Ophthalmol** 1980 Sep;64(9):660–5

Combination radiation–adriamycin therapy: renoprival growth, functional and structural effects in the immature mouse. Donaldson SS, et al. **Int J Radiat Oncol Biol Phys** 1980 Jul;6(7):851–9

Radiation damage after pterygium treatment. Tarr KH, et al. **Trans Ophthalmol Soc NZ** 1981;33:139–42

[The influence of corneal stratum hydratation on the chronological development of acute ultraviolet injury (author's transl)] Blazek V, et al. **Strahlentherapie** 1981 Apr; 157(4):280–6 (Eng. Abstr.) **(Ger)**

[Post–irradiation brain necrosis causing apoplexy and death 33 years after irradiation] Fröhlich A. **Morphol Igazsagugyi Orv Sz** 1980 Apr;20(2):130–4 (Eng.

Abstr.) **(Hun)**

[Radionecrosis of the back of the hand] Corrado EM, et al. **Chir Organi Mov** 1981;66(1):119–22 **(Ita)**

[Radiopathology: total body irradiation syndromes. Examples of lesions from radiation (author's transl)] Galasso F. **Med Lav** 1979 Nov–Dec;70(6):476–80 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Transient radiation myelopathy: spinal somatosensory evoked responses following incidental cord exposure during radiotherapy. Lecky BR, et al. **J Neurol Neurosurg Psychiatry** 1980 Aug;43(8):747–50

PREVENTION & CONTROL

Radiation decontamination unit for the community hospital. Waldron RL 2d, et al. **AJR** 1981 May;136(5):977–81

Radiation exposure to the lens of the eye in temporal bone radiography. Paix D, et al. **Australas Radiol** 1980 Nov; 24(3):235–7

Proceedings of the British Institute of Radiology, Dosimetry and risks to patients in radiopharmaceutical investigations. Abstracts. **Br J Radiol** 1981 May;54(641):431–5

Iodide [letter] Bonnell JA. **Br Med J** 1980 Nov 8; 281(6250):1278

The five-second time-delay relay– an effective method of reducing radiation exposure time. [letter] Bloomfield DA. **Cathet Cardiovasc Diagn** 1981;7(1):115–6

Avoiding unnecessary X-ray exposure in children. Leonidas JC. **Compr Ther** 1980 Dec;6(12):46–54

Are routine oblique roentgenograms of the lumbar spine of value? DeLuca SA, et al. **J Bone Joint Surg [Am]** 1981 Jun;63A(5):846

New therapeutic strategies in radiation therapy. Kinsella TJ, et al. **JAMA** 1981 Apr 24;245(16):1669–74

Three mile island. The silent disaster. Smith JS Jr, et al. **JAMA** 1981 Apr 24;245(16):1656–9

Radiation safety. X-ray survey [news] Redfearn J. **Nature** 1980 Oct 2;287(5781):380

Mammographic exposures in Rhode Island: a report on the Rhode Island BENT study. Ferruolo JL. **RI Med J** 1981 Aug;64(8):387–92

[Mouth preparation before radiotherapy for cervicofacial carcinomas. Fluoride prophylaxis against dental lesions (author's transl)] Mignon H, et al. **Ann Otolaryngol Chir Cervicofac** 1980 Jun;97(6):501–4 (Eng. Abstr.) **(Fre)**

[Uses and risk of iodine prophylaxis in nuclear reactor accidents] Kallee E. **Internist (Berlin)** 1981 May;22(5):304–7 **(Ger)**

[Reduction of radiation-induced early skin damage (mouse foot) by O-(beta-hydroxyethyl)-rutoside (author's transl)] Fritz-Niggli H, et al. **ROEFO** 1980 Sep;133(3):316–21 (Eng. Abstr.) **(Ger)**

[Fluoroprophylaxis of odontodystrophy in radiotherapy of the cervicofacial area] Szpirglas H, et al. **Minerva Stomatol** 1979 Oct–Dec;28(4):329–34 (Eng. Abstr.) **(Ita)**

[Actual possibility of reducing the radiation-induced risk in pediatric radiodiagnosis] Pirvulescu M. **Rev Pediatr Obstet Ginecol [Pediatr]** 1980 Apr–Jun; 29(2):147–53 **(Rum)**

RADIOGRAPHY

Delayed radiation necrosis of the brain contralateral to original tumor. Shewmon DA, et al. **Arch Neurol** 1980 Sep; 37(9):592–4

Computed tomography of radiation-induced lung injuries. Nabawi P, et al. **J Comput Assist Tomogr** 1981 Aug; 5(4):568–70

Radiation osteitis: a problem of recognition. Paling MR, et al. **Radiology** 1980 Nov;137(2):339–42

Enhancement of the white matter following prophylactic therapy of the central nervous system for leukemia: radiation effects and methotrexate leukoencephalopathy. Shalen PR, et al. **Radiology** 1981 Aug;140(2):409–12

[Radiation lesions of the digestive tube after irradiation of the abdomen in children: radiological appearances (author's transl)] Mage K, et al. **J Radiol** 1980 Dec;61(12):763–8 (Eng. Abstr.) **(Fre)**

[X-ray-caused necroses in bone and cartilagic tissues of the epiphysis (author's transl)] Cserhati MD. **Orthopaede** 1981 Jan;10(1):9–12 **(Ger)**

[Roentgendiagnostic after surgery of the inflamed small and large bowel (author's transl)] Vogel H. **Radiol Diagn (Berl)** 1980;21(4):472–8 (Eng. Abstr.) **(Ger)**

[X-ray diagnosis of changes in the urinary tract during radiotherapy of lymphogranulomatosis in children] Semchenko EA. **Med Radiol (Mosk)** 1981 Apr;26(4):10–5 **(Rus)**

SURGERY

The use of an autologous split skin flap in treatment of delayed radiation injuries of the skin. Bardytchev MS, et al. **Acta Chir Plast (Prague)** 1980;22(2):73–9

Repair of postirradiation damage to colorectum: a progress report. Bricker EM, et al. **Ann Surg** 1981 May; 193(5):555–64

The surgical treatment of radiation injuries after radiotherapy for uterine carcinoma. Cochrane JP, et al. **Br J Surg** 1981 Jan;68(1):25–8

The surgical treatment of the radiation-damaged rectum. Cooke SA, et al. **Br J Surg** 1981 Jul;68(7):488–92

Management of a case of chronic radiodermatitis on the forehead. Field LM. **J Dermatol Surg Oncol** 1981 Jul; 7(7):581–1

Acute radiation injury of the hands: report of a case with a twenty-one year follow-up. Caldwell EH, et al. **J Hand Surg** 1980 Nov;5(6):568–71

Surgical sequelae of radiation-induced enteropathy. Galland RB. **J Ky Med Assoc** 1981 Sep;79(9):599–604 (35 ref.)

Management of radiation injuries to the bowel associated with treatment of uterine carcinoma by radiotherapy: preliminary communication. Cochrane JP, et al. **J R Soc Med** 1979 Mar;72(3):195–7

[Surgical treatment of intestinal radio-lesions. 53 patients operated, out of 171 radio-lesions among 7301 irradiated (author's transl)] Verhaeghe M, et al. **J Chir (Paris)** 1981 Apr;118(4):221–9 (Eng. Abstr.) **(Fre)**

[Radiation-induced intestinal lesions. Prognosis and surgical management (author's transl)] Van Haecke P, et al. **Nouv Presse Med** 1981 Mar 7;10(11):879–83 (Eng. Abstr.) **(Fre)**

[Surgical complications after radioenterocolitis (author's transl)] Friedrich HJ, et al. **Dtsch Z Verdau Stoffwechselkr** 1981;41(3):153–9 (Eng. Abstr.) **(Ger)**

[Surgical management of heavily irradiated tissues (author's transl)] Schaupp H. **HNO** 1980 Jul;28(7):222–5 (Eng. Abstr.) **(Ger)**

[Results of radiotherapy in surgery] Koslowski L. **MMW** 1981 Apr 17;123(16):637–8 **(Ger)**

THERAPY

Emergency department radiation accident protocol. Leonard RB, et al. **Ann Emerg Med** 1980 Sep;9(9):462–70

Grand rounds--Albany Medical Center, Division of Otolaryngology. Septic osteoradionecrosis of the mandible. Parulekar SS, et al. **Ann Otol Rhinol Laryngol** 1980 Jul–Aug;89(4 Pt 1):383–7

Radiation of necrosis of the mandible [editorial] Keys H. **Int J Radiat Oncol Biol Phys** 1980 May;6(5):645–6

Hyperbaric oxygen as an adjunct in the treatment of osteoradionecrosis of the mandible. Mansfield MJ, et al. **J Oral Surg** 1981 Aug;39(8):585–9

[Continuous enteral feeding and extensive radionecroses. A case of radionecrosis of the pelvis] Guérin-Surville H, et al. **Ann Chir Plast** 1981;26(1):84–5 **(Fre)**

[Radiation myelopathy (letter)] Kaeser HE. **Dtsch Med Wochenschr** 1980 Jul 18;105(29):1033--4 **(Ger)**

[Treatment of early and late intestinal radiation injuries] Lenner V. **Dtsch Med Wochenschr** 1980 Jun 27; 105(26):912–4 **(Ger)**

[Radiation accidents affecting the eye and their treatment (author's transl)] Marquardt R. **Klin Monatsbl Augenheilkd** 1980;177(2):141–5 (Eng. Abstr.) **(Ger)**

[Medical assistance in nuclear power plant catastrophies] Trott KR. **ZFA (Stuttgart)** 1981 Feb 10;57(4):257–60 **(Ger)**

[Recommendations on the subject of medical surveillance for risk from non-ionizing electromagnetic radiation. 2. Laser regulation] Bernardi P, et al. **Med Lav** 1981 Jan–Feb; 72(1):71–3 **(Ita)**

[Recommendations on the subject of medical surveillance for risk from non-ionizing electromagnetic radiation. 1. Radiofrequencies and microwaves (300 kHz+300 GHz)] Bernardi P, et al. **Med Lav** 1981 Jan–Feb;72(1):68–70 **(Ita)**

[Late, local radiation injuries and their treatment] Bardychev MS. **Med Radiol (Mosk)** 1981 Feb;26(2):40–4 (Eng. Abstr.) **(Rus)**

URINE

[Hyperoxyprolinuria in acute combined radiation trauma] Nesterova VI, et al. **Med Radiol (Mosk)** 1980 Nov; 25(11):50–3 (Eng. Abstr.) **(Rus)**

RADIATION INJURIES, EXPERIMENTAL

A model that leads to the Weibull distribution function to characterize early radiation response probabilities. Scott BR, et al. **Health Phys** 1980 Sep;39(3):521–30

Radiation-induced acute necrosis of the pancreatic islet and the diabetic syndrome in th golden hamster (Mesocricetus auratus). Tsubouchi S, et al. **Int J Radiat Biol** 1981 Jul; 40(1):95–106

Dependence of RBE on fraction size for negative pi-meson induced renal injury. Jordan SW, et al. **Int J Radiat Oncol Biol Phys** 1981 Feb;7(2):223–7

Symposium on low dose and low dose rate effects and their significance. **Radiat Res** 1981 Aug;87(2):205–367

The distribution and pathological effects of Pu in juvenile beagles. Bruenger FW, et al. **Radiat Res** 1980 Nov; 84(2):325–42

The effects of inhaled 144Ce on cardiopulmonary function and histopathology of the dog. Mauderly JL, et al. **Radiat Res** 1980 Nov;84(2):307–24

Lifetime studies of 226Ra and 90Sr toxicity in beagles--a status report. Raabe OG, et al. **Radiat Res** 1981 Jun; 86(3):515–28

Effect of chronic irradiation of 60Co-gamma-ray at low dose rate on rhesus monkey (Macaca mulatta). **Sci Sin** 1980 Sep; 23(9):1170–81

The nature of retinal radiation damage: dependence on wavelength, power level and exposure time. Ham WT Jr, et al. **Vision Res** 1980;20(12):1105–11

[Animal experiments on the toxicity of tumoricidal agents] Hassenstein E, et al. **Strahlentherapie [Sonderb]** 1978; 75:171–6 **(Ger)**

[Biophysics of non-ionizing radiations and results of animal experimentation] Checcucci A. **Ann Ist Super Sanita** 1980; 16(3):407–21 **(Ita)**

BLOOD

The effect of chloramphenicol on erythropoiesis in X-irradiated mice. Vácha J, et al. **Chemotherapy** 1981; 27(2):131–8

Increased radiation morbidities, hypocupremia and hyperlipoperoxidemia in the rat induced by D-penicillamine administration. Okuyama S, et al. **Gan** 1980 Oct;71(5):739–40

[Influence of hypoxia on the hematologic radiation response following ionizing whole body radiation in dogs] Koch F, et al. **Radiobiol Radiother (Berl)** 1980 Oct;21(5):591–9 (Eng. Abstr.) **(Ger)**

[Concentration of lysosomal cationic proteins in neutrophilic granulocytes in the early stages of acute radiation sickness in rabbits and guinea pigs] Sushkevich GN, et al. **Biull Eksp Biol Med** 1980 Sep;90(9):322–3 (Eng. Abstr.) **(Rus)**

[Effect of chronic gamma irradiation on the protein composition and cholesterol content of the blood of dogs] Akhunov AA. **Kosm Biol Aviakosm Med** 1981 Jun–Jul; 15(4):48–50 (Eng. Abstr.) **(Rus)**

[Blood serum protein fractions in radiation and thermal injuries] Petrov VN. **Patol Fiziol Eksp Ter** 1980;(4):19–23 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

[Response of the hypothalamo-hypophyseo-adrenal system to starvation at remote periods following irradiation] Prokudina EA. **Radiobiologiia** 1980 Sep–Oct;20(5):793–6 (Eng. Abstr.) **(Rus)**

[Effect of gamma-irradiation on rats during development of cardiopathy] Somova EP. **Radiobiologiia** 1980 Sep–Oct; 20(5):778–82 (Eng. Abstr.) **(Rus)**

[Development of disseminated intravascular coagulation in acute radiation sickness] Sushkevich GN, et al. **Radiobiologiia** 1980 Sep–Oct;20(5):787–90 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

A technique for measuring carbon monoxide uptake in mice. Depledge MH, et al. **Int J Radiat Oncol Biol Phys** 1981 Apr;7(4):485–9

Evaluation of irradiated mandibles using emission tomography, bone scans, and radiography. Rohrer MD, et al. **J Dent Res** 1980 Dec;59(12):2032–7

Radiation pneumonitis and fibrosis in mouse lung assayed by respiratory frequency and histology. Travis EL, et al. **Radiat Res** 1980 Oct;84(1):133–43

DRUG THERAPY

The protective activity of murine and human alpha 2-macroglobulin on the lethally irradiated mice. Olinescu A, et al. **Arch Roum Pathol Exp Microbiol** 1980 Apr–Jun; 39(2):121–5

Radiation-induced pulmonary arterial perfusion defects: modification by D-penicillamine. Ward WF. **Radiology** 1981 Apr;139(1):201–4

[Experimental therapy of acute radiation sickness with ethinylestradiol (EED). I. Therapeutic effect of EED on acute radiation sickness of dogs (author's transl)] Zhao TF, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1980 Jun;2(2):88–92 (Eng. Abstr.) **(Chi)**

[Effect of antibiotic therapy on the functional state of the adrenal cortex in mice under irradiation] Lebedev VG, et al. **Antibiotiki** 1980 Sep;25(9):673–5 (Eng. Abstr.) **(Rus)**

[Purified splenic extract as an agent in the early treatment of radiation lesions in animals] Olontseva OI, et al. **Med Radiol (Mosk)** 1981 Mar;26(3):56–60 (Eng. Abstr.) **(Rus)**

[Comparative study of the therapeutic effect of adenylic compounds and their influence on metabolism in radiation sickness] Grozdov SP. **Radiobiologiia** 1980 Jul–Aug; 20(4):524–30 (Eng. Abstr.) **(Rus)**

[Effect of a purified splenic extract on the survivability of irradiated mice] Olontseva OI, et al. **Radiobiologiia** 1980 Nov–Dec;20(6):877–80 (Eng. Abstr.) **(Rus)**

[Conditions for using thyroxine as an antimutagen after whole-body x-ray irradiation] Timchenko OI, et al. **Radiobiologiia** 1981 Mar–Apr;21(2):204–10 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Changes in the activity of aspartate and alanine aminotransferase caused by aseptic inflammatory reaction and ionizing radiation in the liver, kidney and spleen of mice. Wojtaszek J, et al. **Acta Physiol Pol** 1980 Nov–Dec;

31(6):653–8

[Changes in adenosine triphosphatase activity in the heart after administration of lanatoside C in irradiated and non-irradiated rabbits with acute cardiac overload] Geršl V, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1980; 23(3):289–96 (Eng. Abstr.) **(Cze)**

[Superoxide dismutase activity in animals with radiation sickness] Goncharenko EN, et al. **Biol Nauki** 1980;(7):34–7 **(Rus)**

[Characteristics of the changes in the transketolase activity in the liver and spleen of white rats at different stages of the development of a radiation effect] Savitskiĭ IV, et al. **Radiobiologiia** 1980 Nov–Dec;20(6):905–7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Induction of spinal cord paralysis by negative pi-mesons. Amols HI, et al. **Br J Radiol** 1981 Jul;54(643):602–5

The effect of radiocalcium (45Ca) on the intestine of Indian desert gerbil (Meriones hurrianae, Jerdon). Gupta NK, et al. **Radiobiol Radiother (Berl)** 1981;22(1):105–12

The role of ocular pigmentation in protecting against retinal light damage. Rapp LM, et al. **Vision Res** 1980; 20(12):1127–31

[Late biological effects in the lung of C3H inbred mice following exposure to fast neutrons and 60Co-gamma-rays (author's transl)] Magdon E. **Radiobiol Radiother (Berl)** 1980 Oct;21(5):620–5 (Eng. Abstr.) **(Ger)**

[Studies on the cause of radiation cataract (author's transl)] Fukami Y. **Nippon Ganka Gakkai Zasshi** 1980 Jul 10; 84(7):594–601 (Eng. Abstr.) **(Jpn)**

[Pathogenesis of skeletal radiation injuries to the proximal portion of the pelvic extremity in white rat embryos] Kabak SL. **Arkh Anat Gistol Embriol** 1980 Jul;79(7):80–7 (Eng. Abstr.) **(Rus)**

[Reaction of dogs to gamma-neutron and x-ray irradiation of the upper abdomen. 2. The effect of pharmacological exclusion of autonomic nervous system function on the manifestation of radiation lesion symptoms] Kostesha NIa. **Radiobiologiia** 1980 Jul–Aug;20(4):556–9 (Eng. Abstr.) **(Rus)**

[Critical radiation dose intensity values for the development of the intestinal form of radiation sickness in mice] Koznova LB, et al. **Radiobiologiia** 1981 Mar–Apr;21(2):293–8 (Eng. Abstr.) **(Rus)**

[Quantitative evaluation of residual radiation damage following chronic exposure to tritium oxide and external gamma-irradiation] Voronin VS. **Radiobiologiia** 1980 Sep–Oct;20(5):772–5 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Effect of immunization on the quantitative behavior of gamma globulins in the blood serum of cattle following whole-body x-ray irradiation] Koch F, et al. **Arch Exp Veterinaermed** 1980;34(6):851–9 (Eng. Abstr.) **(Ger)**

[Radioresistance of immunized animals with internal irradiation (author's transl)] Kalnickij SA, et al. **Radiobiol Radiother (Berl)** 1981;22(1):83–9 (Eng. Abstr.) **(Ger)**

[Correlation between T-deficiency and disorders in protection against infection in mice during the postradiation period] Kartasheva AL, et al. **Radiobiologiia** 1980 Sep–Oct; 20(5):769–72 (Eng. Abstr.) **(Rus)**

[Immune reactions in mice after prolonged radiation exposure] Kirillova EN, et al. **Radiobiologiia** 1981 Jan–Feb; 21(1):91–6 (Eng. Abstr.) **(Rus)**

METABOLISM

3H-thymidine autoradiography of guinea pig cornea and skin after exposure to solar simulating radiation. Brenner W, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 216(4):319–25

[The toxic effects and pharmacokinetics of lanatoside C in animals with experimental radiation sickness or trimepranol premedication] Tišer I, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1980; 23(4):497–511 (Eng. Abstr.) **(Cze)**

[Catecholamine and electrolyte content in the vascular wall of animals with radiation sickness and administered radioprotectors] Litvinov SA. **Farmakol Toksikol** 1980 Sep–Oct;43(5):615–20 (Eng. Abstr.) **(Rus)**

[Radionuclide resorption through the surface of thermal burns and problems of deactivation] Il'in LA, et al. **Gig Sanit** 1981 Apr;(4):6–9 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

[New test to evaluate the intensity of bacterial dissemination in irradiated mice] Klemparskaia NN, et al. **Radiobiologiia** 1981 Mar–Apr;21(2):249–54 (Eng. Abstr.) **(Rus)**

MORTALITY

Evidence for a decreased susceptibility to acute radiation lethality in young lambs. Roberts PB, et al. **Health Phys** 1980 Aug;39(2):225–9

Late effects of whole or partial body x-irradiation on mice: life shortening. Sato F, et al. **Int J Radiat Biol** 1981 Jun; 39(6):607–15

A new plateau in the dose-survival-time response of the golden hamster (Mesocricetus auratus) from whole body irradiation. Tsubouchi S, et al. **Int J Radiat Biol** 1981 Jul; 40(1):87–94

Early deaths after irradiation of mice contaminated by Enterobacter cloacae. Matsumoto T. **Lab Anim** 1980 Jul; 14(3):247–9

[Relationship between changes in the time factor and the interval when rats are exposed twice to uniform and nonuniform irradiation] Avetisov GM. **Radiobiologiia** 1980 Sep–Oct;20(5):704–8 (Eng. Abstr.) **(Rus)**

[Dose and time dependence of radiation death in the Central Asian tortoise (Testudo horsfieldi) in the fall–winter period] Turdyev AA, et al. **Radiobiologiia** 1981 Mar–Apr; 21(2):283–6 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Neuropathological characteristics of beta irradiation induced brain edema. Csanda E, et al. **Acta Neuropathol [Suppl] (Berl)** 1981;7:67–9

Irradiation injury of bone tissue. A vital microscopic method. Albrektsson T, et al. **Acta Radiol Oncol Radiat Phys Biol** 1980;19(3):235–9

Recovery of the rabbit retina after light damage (preliminary observations). McKechnie NM, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 212(3–4):271–83

Changes in cellularity and/or weight of mouse hemopoietic tissues as a measure of acute radiation effects. Meder J, et al. **Arch Immunol Ther Exp (Warsz)** 1980;28(1):9–18

Radiation and chemical injury in the bone marrow. Dritschilo A, et al. **Environ Health Perspect** 1981 Jun;39:59–64 (35 ref.)

Early membrane injury in lethally irradiated salivary gland cells. El-Mofty SK, et al. **Int J Radiat Biol** 1981 Jan; 39(1):55–62

Retinal lesions due to ultraviolet laser exposure. Schmidt RE, et al. **Invest Ophthalmol Vis Sci** 1980 Oct;19(10):1166–75

The late effects of central nervous system irradiation in the monkey. Caveness WF. **No Shinkei Geka** 1980 Oct; 8(10):895–9 (37 ref.)

The effect of acute total-head X irradiation on C3H/He mice. Yoshii Y, et al. **Radiat Res** 1981 Apr;86(1):152–70

Histology and cytology of liver in Indian desert gerbil (Meriones hurrianae, Jerdon) following radiocalcium (Ca-45) administration. Kumar GN, et al. **Radiobiol Radiother (Berl)** 1980 Feb;21(1):43–7

Histological examination of the effect of differently fractionated irradiations in rat and mouse organs. I. Observations after 60Co-gamma whole-body irradiation. Unger E. **Strahlentherapie** 1981 Feb;157(2):134–7

The ultrastructure of chronic radiation damage in rat skin. Rudolph R, et al. **Surg Gynecol Obstet** 1981 Feb; 152(2):171–8

[Morphological changes in rats after the combined uptake of uranium-238 with plutonium-239 or americium-241] Filippova LG, et al. **Radiobiologiia** 1980 Nov–Dec; 20(6):886–91 (Eng. Abstr.) **(Rus)**

[Morphological analysis of the radioprotective effectiveness of a HGM-10 hypoxic gas mixture in the total irradiation of rats] Tiutikova ON, et al. **Radiobiologiia** 1980 Jul–Aug; 20(4):602–5 (Eng. Abstr.) **(Rus)**

[Late sequelae of a lesion from nuclear fission products] Vasilenko IIa. **Voen Med Zh** 1980 Sep;(9):42–6 **(Rus)**

PHYSIOPATHOLOGY

The volume of plasma and erythrocytes in individual bones and in the spleen of mice under physiological conditions and with acute radiation-induced atrophy of the haemopoietic tissue. Vácha J, et al. **Acta Haematol (Basel)** 1980;64(3):165–71

Time dependent repair of radiation damage in the rat spinal cord after X-rays and neutrons. White A, et al. **Eur J Cancer** 1980 Jul;16(7):957–62

Measurements of the RF power absorption in spheroidal human and animal phantoms exposed to the near field of a dipole source. Iskander MG, et al. **IEEE Trans Biomed Eng** 1981 Mar;28(3):258–64

A technique for measuring carbon monoxide uptake in mice. Depledge MH, et al. **Int J Radiat Oncol Biol Phys** 1981 Apr;7(4):485–9

Radiation-induced anorexia in Syrian hamsters. Kindt A, et al. **Radiat Environ Biophys** 1980;18(2):149–55

Repair in mouse lung after split doses of X rays. Travis EL, et al. **Radiat Res** 1981 Jul;87(1):166–74

A study of the pharmacology of lanatoside C in experimentally induced pathophysiological conditions. Geršl V. **Sb Ved Pr Lek Fak Univ Karlovy** 1980; 23(2):127–52

[Effect of the psychostimulants caffeine and methylphenidate on the efficiency of physical activity in rats exposed to ionizing radiation] Petkov V, et al. **Eksp Med Morfol** 1981; 20(2):82–7 (Eng. Abstr.) **(Bul)**

[Effect of phenoxybenzamine on mesenteric blood flow in irradiated rats] Timmermans R, et al. **C R Soc Biol (Paris)** 1980;174(5):883–8 (Eng. Abstr.) **(Fre)**

[Mechanism of circulatory disorders in the wall of the small intestine and their role in the development of the intestinal syndrome] Kudrjavcev VD, et al. **Radiobiol Radiother (Berl)** 1980;21(6):771–7 (Eng. Abstr.) **(Ger)**

[Recovery processes in injury to the liver cells after fast neutron irradiation] Bardik IuV, et al. **Med Radiol (Mosk)** 1980 Oct;25(10):33–6 (Eng. Abstr.) **(Rus)**

[Postradiation disorders of neuroendocrine interaction] Dedov VI. **Med Radiol (Mosk)** 1980 Nov;25(11):59–68 (68 ref.) **(Rus)**

[Colony-forming capacity of the hematopoietic cells in mice surviving acute radiation exposure] Volkov VA. **Radiobiologiia** 1980 Nov–Dec;20(6):924–6 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Studies on the radioprotective effects of superoxide dismutase in mice. Abe M, et al. **Int J Radiat Oncol Biol Phys** 1981 Feb;7(2):205–9

Protection of normal tissue against late radiation injury by WR-2721. Utley JF, et al. **Radiat Res** 1981 Feb; 85(2):408–15

Influence of cysteamine and rtg irradiation on mitotic activity and chromosomal abnormalities in regenerating liver of rats. Kropáčová K, et al. **Radiobiol Radiother (Berl)** 1980 Feb;21(1):55–67

[Experimental therapy of acute radiation sickness with ethinylestradiol. II. Radioprotective effect of ethinylestradiol on hemopoietic system (author's transl)] Lu RS, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1980 Sep; 2(3):156–61 (Eng. Abstr.) **(Chi)**

[Prophylaxis of radiogenic osteomyelitis of the jaw with thyrocalcitonin (author's transl)] Nikitenko VA, et al. **Radiobiol Radiother (Berl)** 1980;21(2):122–9 (Eng. Abstr.) **(Ger)**

[Vision organ protection against infrared radiation: II. Experimental emitter of infrared radiation (author's transl)] Szymański J. **Klin Oczna** 1981;83(3):157–9 (Eng. Abstr.) **(Pol)**

[Chemical protection of the body against irradiation with high-energy protons] Vorob'ev EI, et al. **Kosm Biol Aviakosm Med** 1981 Jan–Feb;15(1):3–9 (53 ref.) (Eng. Abstr.) **(Rus)**

[Prevention of radiation-induced shortening of life expectancy] Aleksandrov SN. **Med Radiol (Mosk)** 1981 Mar;26(3):71–9 (47 ref.) **(Rus)**

[Posthypoxic radioprotective effect in experiments on rats] Strelkov RB, et al. **Radiobiologiia** 1980 Sep–Oct;20(5):762–5 (Eng. Abstr.) **(Rus)**

[Protective action of cystamine in repeated irradiation] Vladimirov VG, et al. **Radiobiologiia** 1981 Jan–Feb; 21(1):127–30 (Eng. Abstr.) **(Rus)**

THERAPY

Transplantation of fetal liver of different ages in the rat. Lucarelli G, et al. **Blut** 1981 Jun;42(6):337–44

[Parenteral feeding in acute experimental radiation lesion of the abdominal cavity organs] Grozdov SP, et al. **Probl Gematol Pereliv Krovi** 1981 Mar;26(3):24–9 (Eng. Abstr.) **(Rus)**

[Radioprotective action of anaerobic bacterial spore extracts in animal radiation lesions] Duda VI, et al. **Radiobiologiia** 1980 Nov–Dec;20(6):926–9 (Eng. Abstr.) **(Rus)**

[Effect of parenteral nutrition and its individual components on glucose oxidation in the bodies of normal and irradiated rats] Kendysh IN, et al. **Radiobiologiia** 1980 Sep–Oct; 20(5):766–9 (Eng. Abstr.) **(Rus)**

[Potential of hematpoietic recovery in the intestinal form of acute irradiation sickness] Kudriavtsev VD, et al. **Radiobiologiia** 1981 Mar–Apr;21(2):211–5 (Eng. Abstr.) **(Rus)**

[Parenteral feeding effectiveness in rats with local irradiation of the abdominal area] Moroz BB, et al. **Radiobiologiia** 1980 Jul–Aug;20(4):606–9 (Eng. Abstr.) **(Rus)**

[Effect of antibiotics and bifiodobacterium preparations on the intestinal microflora of mice irradiated with gamma quanta] Korshunov VM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Jul;(7):25–9 (Eng. Abstr.) **(Rus)**

[Effect of lactobacillus and bifidobacteria preparations on the intestinal microflora of mice irradiated with gamma quanta] Korshunov VM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Jun;(6):47–54 (Eng. Abstr.) **(Rus)**

RADIATION, IONIZING

The nature of the target in the biological action of ionizing radiations. Ahnström G, et al. **Adv Biol Med Phys** 1980; 17:129–72

Radiation decontamination unit for the community hospital. Waldron RL 2d, et al. **AJR** 1981 May;136(5):977–81

Environmental radiation hazards. Steinfeld AD. **Am Fam Physician** 1980 Oct;22(4):95–9

Resonance X-ray scattering: its use in determining spatial relationships among metal atoms within macromolecules in a non-crystalline state. Blasie JK, et al. **Annu Rev Biophys Bioeng** 1981;10:451–8 (30 ref.)

In vivo DNA degradation in thymocytes of gamma-irradiated or hydrocortisone-treated rats. Umansky SR, et al. **Biochim Biophys Acta** 1981 Aug 27;655(1):9–17

Gamma contamination of neutron beams [letter] Denekamp

J. **Br J Radiol** 1980 Aug;53(632):819

X-ray sensitivity of the dark-adapted eye [letter] Healey T. **Br J Radiol** 1980 Jul;53(631):737

Mean skeletal dose factors for beta-particle emitters in human bone. Part II: surface-seeking radionuclides. Spiers FW, et al. **Br J Radiol** 1981 Jun;54(642):500–4

Survey of radiosensitivity in a variety of human cell strains. Arlett CF, et al. **Cancer Res** 1980 Mar;40(3):926–32

Homologous radioimmunoassay for canine thyrotropin: response of normal and x-irradiated dogs to propylthiouracil. Quinlan WJ, et al. **Endocrinology** 1981 Mar;108(3):937–42

X-ray-induced chromosome aberrations in Down lymphocytes: an explanation of their increased sensitivity. Preston RJ. **Environ Mutagen** 1981;3(1):85–9

Survival enhanced by skin-wound trauma in mice exposed to 60Co radiation. Ledney GD, et al. **Experientia** 1981 Feb 15;37(2):193–4

Effects of x-radiation on fibreoptic endoscopes. Ashby BS, et al. **Gut** 1980 Aug;21(8):717–24

Depth-dose in tissue from beta-particles of 85Kr. Berven BA, et al. **Health Phys** 1981 Feb;40(2):222–5

beta-ray survey meter for measuring absorbed dose rate independently of beta-ray energy. Bingo K, et al. **Health Phys** 1980 Jul;39(1):21–8

The health physics hazards of X-rays produced by evacuated microwave waveguides. Gibson TA Jr, et al. **Health Phys** 1981 Jun;40(6):893–4

Use of an albedo neutron personnel dosimeter for X- and gamma-ray monitoring. Gorbics SG, et al. **Health Phys** 1981 Jun;40(6):811–21

Energy spectra of delta-rays produced due to high energy particles with biological systems. Khanna SL, et al. **Health Phys** 1980 Jul;39(1):116–20

Phantom organ shielding factors for radiation from walls of buildings. Koblinger L. **Health Phys** 1981 Feb;40(2):243–5

Cost-benefit analysis applied to building materials with comparatively high natural radionuclide concentration. Krisiuk EM, et al. **Health Phys** 1980 Sep;39(3):578–80

gamma-Ray background radiation measurement in Ireland. McAulay IR, et al. **Health Phys** 1980 Nov;39(5):821–6

Duct effects on the distribution of gamma-rays from a mixed radiation field in an ilmenite-concrete shield. Megahid RM, et al. **Health Phys** 1981 Jun;40(6):829–34

Monte Carlo calculation of initial energies of Compton electrons and photoelectrons in water irradiated by photons with energies up to 2 MeV. Turner JE, et al. **Health Phys** 1980 Jul;39(1):49–55

Influence of daunorubicin on the survival of X-irradiated mammalian cells. Dehove D, et al. **Int J Radiat Biol** 1980 Apr;37(4):373–81

The influence of ionization density on the DNA synthetic phase and survival of irradiated mammalian cells. Schlag H, et al. **Int J Radiat Biol** 1981 Jul;40(1):75–85

Can prenatal X-irradiation in mice act as an initiator stimulus in a modified 2-stage Berenblum/Mottram experiment with postnatal promotion wiih phorbol ester TPA? Schmahl W, et al. **J Cancer Res Clin Oncol** 1980;97(2):109–17

Health effects questions raised by VDT 'epidemic' [news] Gunby P. **JAMA** 1981 Jul 10;246(2):110

Voltage, energy, and material dependence of secondary radiation. Burgess AE, et al. **Med Phys** 1981 Jan–Feb; 8(1):33–8

Linking tissue, phantoms, and depth dose [letter] Pfalzner PM. **Med Phys** 1981 Jan–Feb;8(1):119–20

Use of rabbit ear chamber and strontium-90 source to study radiation pathology in vivo. Narayan K, et al. **Microvasc Res** 1981 May;21(3):384–9

Relative effectiveness of neutrons and X-rays in induction of crossing over in Drosophila males. Kale PG. **Mutat Res** 1980 Sep;72(2):177–86

Modulation transfer function of fluorescent screens excited by x-rays. Giakoumakis GE, et al. **Phys Med Biol** 1980 Nov;25(6):1105–10

An accurate parametrisation of the x-ray attenuation coefficient. Hawkes DJ, et al. **Phys Med Biol** 1980 Nov; 25(6):1167–71

Radioactivity of building materials and the gamma radiation in dwellings. Stranden E. **Phys Med Biol** 1979 Sep; 24(5):921–30

In vitro gamma irradiation of leukemic cells in mice, rats, and guinea pigs. Gross L, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7435–9

Relationship between x-ray exposure and malignant transformation in C3H 10T1/2 cells. Kennedy AR, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7262–6

Evaluation of scintillation cameras by spherical lesion detectability. Shinohara H, et al. **Radioisotopes** 1980 Dec; 29(12):594–8

Biologic interaction of gamma radiation with phenylbutazone, phenytoin, or hydralazine. Grissette DE, et al. **Res Commun Chem Pathol Pharmacol** 1980 Sep; 29(3):589–97

Gamma rays and the concept of a threshold dose [letter] **Science** 1980 Nov 14;210(4471):806–7

[Modification of dose distributions of ultra-hard X-radiation by scattering from inhomogeneities (author's transl)] Sailer U. **Strahlentherapie** 1980 Dec;156(12):832–5 (Eng. Abstr.) **(Ger)**

[Gamma-rays and ethylene oxide sterilization (author's transl)] Star EG. **Zentralbl Bakteriol [B]** 1980 Jun; 171(1):33–41 (Eng. Abstr.) **(Ger)**

[Uses in nuclear medicine of detectors of cadmium telluride gamma radiation] Bacci C, et al. **Ann Ist Super Sanita** 1980; 16(2):341–59 **(Ita)**

[Medical and industrial applications of ionizing radiations (author's transl)] Candura F. **Med Lav** 1979 Nov–Dec; 70(6):457–64 (Eng. Abstr.) **(Ita)**

[A program for optimizing radiation beam parameters in radiotherapy (author's transl)] Randaccio P. **Radiol Med (Torino)** 1979 Oct;65(10):741–6 (Eng. Abstr.) **(Ita)**

[Determination of radioactive strontium by the beta-ray spectrometry (author's transl)] Nishikawa M, et al. **Radioisotopes** 1980 Nov;29(11):542–5 **(Jpn)**

[Contribution of 210Bi beta-ray induced bremsstrahlung to the emission of Pb-KX-rays observed in the lead shielded gamma-ray background spectrum (author's transl)] Shima K, et al. **Radioisotopes** 1980 Aug;29(8):363–7 **(Jpn)**

[Evaluation of organ and tissue irradiation over and above the background in lung x-ray studies] Frolov NV, et al. **Gig Sanit** 1981 Feb;(2):37–9 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

The BEIR–III Report: origin of the controversy. Fabrikant JI. **AJR** 1981 Jan;136(1):209–14

Free radical initiation in proteins and amino acids by ionizing and ultraviolet radiations and lipid oxidation--Part I: ionizing radiation. Schaich KM. **CRC Crit Rev Food Sci Nutr** 1980;13(2):89–129 (306 ref.)

Low level ionizing radiation and human mortality: multi-regional epidemiological studies. A preliminary report. Hickey RJ, et al. **Health Phys** 1981 May; 40(5):625–41

Cerenkov ultraviolet radiation (137Cs gamma-rays) and direct excitation (137Cs gamma-rays and 50 kVp X-rays) produce photoreactivable damage in Escherichia coli. Moss SH, et al. **Int J Radiat Biol** 1980 Sep;38(3):323–34

Reactions to ionizing radiation. Goldschmidt H, et al. **J Am Acad Dermatol** 1980 Dec;3(6):551–79 (164 ref.)

Gamma-ray sterilization and its effect on intraocular lenses. Meltzer DW. **J Am Intraocul Implant Soc** 1981 Apr; 7(2):126–9

Council on scientific affairs report F biological effects on non-ionizing magnetic and electromagnetic radiation. **J Tenn Med Assoc** 1981 Apr;74(4):266–8

[The risks caused by exposure to low doses of ionizing radiation] Tubiana M. **Bull Acad Natl Med (Paris)** 1980 Mar;163(3):270–5 (Eng. Abstr.) **(Fre)**

[Nitrous oxide pollution during X-ray exposure (author's transl)] Yanagida H, et al. **Masui** 1980 Aug;29(8):753–5 (Eng. Abstr.) **(Jpn)**

[Chronic gastritis among geophysicists] Lobanova EA. **Gig Tr Prof Zabol** 1980 Apr;(4):24–6 (Eng. Abstr.) **(Rus)**

[Genetic consequences of exposure to environmental factors] Bochkov NP. **Vestn Akad Med Nauk SSSR** 1981;(3):13–9 (Eng. Abstr.) **(Rus)**

HISTORY

Sosman lecture. New technology for a new century: Walter B. Cannon and the invisible rays. Barger AC. **AJR** 1981 Jan;136(1):187–95

INSTRUMENTATION

Electron beam therapy in South Carolina. Fitzgerald RH, et al. **J SC Med Assoc** 1981 Jan;77(1):13–6

RADIATION MONITORING

Comparison of radioactive materials released from the Fort St. Vrain HTGR and LWRS. Brey HL, et al. **Health Phys** 1981 Jan;40(1):81–4

Reply to Mr. Wiatrowski: personnel monitoring in diagnostic radiology [letter] Bushong SC. **Health Phys** 1981 Feb; 40(2):258–9

Measurements of gamma-ray exposures in uranium mines. Frank AL, et al. **Health Phys** 1981 Feb;40(2):240–3

238U and 232Th in cassiterites samples and amang by-products. Hu SJ, et al. **Health Phys** 1981 Feb; 40(2):248–50

gamma-Ray background radiation measurement in Ireland. McAulay IR, et al. **Health Phys** 1980 Nov;39(5):821–6

Neutron fluence to dose conversion factors for some moderated neutron spectra. Marathe PK, et al. **Health Phys** 1980 Oct;39(4):690–4

Stratospheric residence times from plateout measurements. Mishra UC, et al. **Health Phys** 1980 Nov;39(5):815–9

Decommissioning of a luminous dial painting facility. Murphy GL, et al. **Health Phys** 1980 Oct;39(4):593–600

An improved technique for measuring working levels of radon daughters in residences. Nazaroff WW. **Health Phys** 1980 Oct;39(4):683–6

Heavy ion target area fast neutron dose equivalent rates. Ohnesorge WF, et al. **Health Phys** 1980 Oct;39(4):633–6

Occupational exposures in industrial radiography practice. Shenoy KS, et al. **Health Phys** 1981 Mar;40(3):323–6

Results of a survey regarding the necessary qualifications of campus radiation safety officers. Wegst WF Jr. **Health Phys** 1980 Aug;39(2):348–51

The radiation hazard in hospitals--a reappraisal. Houston CS, et al. **J Can Assoc Radiol** 1981 Jun;32(2):77–8

Calorimetric and ionimetric dosimetry intercomparisons II: d + T neutron source at the Antoni Van Leeuwenhoek hospital. McDonald JC, et al. **Med Phys** 1981 Jan–Feb; 8(1):44–53

Calorimetric and ionimetric dosimetry intercomparisons I: U.S. neutron radiotherapy centers. McDonald JC, et al. **Med Phys** 1981 Jan–Feb;8(1):39–43

Radiation and the New York dentist [editorial] Evans BE. **NY J Dent** 1981 Apr;51(4):113–5

Monitoring of airborne contamination during the handling of technetium-99m and radioiodine. Eadie AS, et al. **Phys Med Biol** 1980 Nov;25(6):1079–87

Radioactivity measurements of former military personnel exposed to weapon debris. Toohey RE, et al. **Science** 1981 Aug 14;213(4509):767–8

[Regulations in radiology] Lafontaine A, et al. **Bull Mem Acad R Med Belg** 1979 Oct 27;134(9):535–59 **(Fre)**

[The double monitor system for betatron 500 A Part III: Double monitor system and pendulum irradiations (author's transl)] Janas R. **Radiobiol Radiother (Berl)** 1980; 21(6):817–20 (Eng. Abstr.) **(Ger)**

[Radiation exposure of physician and patient in accident surgery] Buch J, et al. **Strahlenschutz Forsch Prax** 1980; 20:84–92 **(Ger)**

[Body-dosage-conversion-factor for computed tomography studies] Kramer R, et al. **Strahlenschutz Forsch Prax** 1980; 20:177–89 **(Ger)**

[Radiation exposure during permanent transvenous cardiac pacemaker implantation] Kubiena K, et al. **Strahlenschutz Forsch Prax** 1980;20:104–6 **(Ger)**

[Estimation of radiation exposure in angiographic work areas] Mohr H. **Strahlenschutz Forsch Prax** 1980;20:106–14 **(Ger)**

[Radiation exposure of the physician and patient during hepatography: 1. during transhepatic cholangiography and 2. during transhepatic portography as well as during embolization of the Vena coronaria ventriculi] Olbert F, et al. **Strahlenschutz Forsch Prax** 1980;20:65–73 **(Ger)**

[Radiation exposure of the physician and patient during transluminar dilatation as well as recanalization using Dotter's method] Olbert F, et al. **Strahlenschutz Forsch Prax** 1980;20:74–80 **(Ger)**

[Comparative studies of the orbit using Emiscanner CT 1010 and CT 5005] Schneider G, et al. **Strahlenschutz Forsch Prax** 1980;20:190–2 **(Ger)**

[Introduction and preliminary remarks on the problem of radiation exposure in computed tomography] Stieve FE. **Strahlenschutz Forsch Prax** 1980;20:115–25 **(Ger)**

[Radiation exposure of physician and patient during phlebography as well as phleboscopy of lower extremities] Vacariu O, et al. **Strahlenschutz Forsch Prax** 1980;20:81–4 **(Ger)**

[radiation exposure of patients during angiographic studies using rare earth foils (REF)] Vana N, et al. **Strahlenschutz Forsch Prax** 1980;20:98–104 **(Ger)**

[Radiation exposure of patients during computed tomography] Vrana E, et al. **Strahlenschutz Forsch Prax** 1980;20:157–76 **(Ger)**

[Radiation exposure of medical personnel during angiographic examinations] Waneck R, et al. **Strahlenschutz Forsch Prax** 1980;20:92–7 **(Ger)**

[Measurement of 131I concentration in saliva of a patient and monitoring of exposure and contamination in a ward (author's transl)] Maekoshi H, et al. **Radioisotopes** 1979 Mar;28(3):180–3 **(Jpn)**

INSTRUMENTATION

Passive integrating radon monitor for environmental monitoring. Alter HW, et al. **Health Phys** 1981 May; 40(5):693–702

Proton-recoil neutron dosimeter for personnel monitoring. Benton EV, et al. **Health Phys** 1981 Jun;40(6):801–9

beta-ray survey meter for measuring absorbed dose rate independently of beta-ray energy. Bingo K, et al. **Health Phys** 1980 Jul;39(1):21–8

A microcomputer-based portable radiation survey instrument for measuring pulsed neutron dose rates. Brown D, et al. **Health Phys** 1980 Apr;38(4):507–21

Intercomparison of two personnel dosimetry devices: film badge and pocket chamber dosimeter. Datta R. **Health Phys** 1981 Jan;40(1):119–23

Monitoring the exposure to radon decay products in mine air using passive track detectors. Domanski T, et al. **Health Phys** 1981 Feb;40(2):211–7

Activated carbon badges as detectors of airborne 125I. Dunscombe PB, et al. **Health Phys** 1980 Nov;39(5):717–21

Use of an albedo neutron personnel dosimeter for X- and gamma-ray monitoring. Gorbics SG, et al. **Health Phys** 1981 Jun;40(6):811–21

Use of gross filter activities in a continuous working level monitor. Kawaji M, et al. **Health Phys** 1981 Apr; 40(4):543–8

The purposes, methods and accuracy of sampling for airborne particulate radioactive materials. Marshall M, et al. **Health Phys** 1980 Sep;39(3):409–23

Radon monitoring instrumentation. Perdue PT, et al. **Health Phys** 1980 Jul;39(1):85–8

Calibration of environmental and personal dosimeters by submersion in and distant exposure to 133Xe. Plato PA, et al. **Health Phys** 1980 Apr;38(4):523–8

Influence of inflight decay of radium-a in radon measurement by the double-filter method. Tymen G. **Health Phys** 1981

Feb;40(2):245–8

CR–39, a new alpha–particle sensitive polymeric detector applied to investigations of environmental radioactivity. Hamilton EI, et al. **Int J Appl Radiat Isot** 1981 May; 32(5):313–24

A study of radon emitted from building materials using plastic alpha–track detectors. Abu–Jarad F, et al. **Phys Med Biol** 1980 Jul;25(4):683–94

An ultraviolet radiation monitor for routine use in physiotherapy. Diffey B, et al. **Physiotherapy** 1981 Mar 10;67(3):64–6

Application of a continuous channel electron multiplier for measuring gaseous tritium at low pressures. Kawabata H, et al. **Radioisotopes** 1980 Jul;29(7):315–9

[Double monitor system for Betatron 500 A. II. Double monitor system for electron radiation (5—43 MeV) (author's transl)] Janas R. **Radiobiol Radiother (Berl)** 1980; 21(4):483–8 (Eng. Abstr.) **(Ger)**

[Double monitor system for Betatron 500 A. I. Double monitor system for bremsstrahlung (43 MV) (author's transl)] Janas R. **Radiobiol Radiother (Berl)** 1980; 21(4):478–82 (Eng. Abstr.) **(Ger)**

[Measurement of check of entrance exposure dose rate of X–ray image intensifier–television with dose rate control (author's transl)] Klein J. **Radiol Diagn (Berl)** 1981; 22(2):231–9 (Eng. Abstr.) **(Ger)**

METHODS

Emergency department radiation accident protocol. Leonard RB, et al. **Ann Emerg Med** 1980 Sep;9(9):462–70

Use of a simple body–monitoring system in a pilot study on workers exposed to unsealed gamma–ray emitting material. Sumerling T. **Br J Ind Med** 1980 May;37(2):189–93

A simple function describing the absorption in platinum for dose–rate calculations around radium applicators. Toepfer KD, et al. **Br J Radiol** 1980 Nov;53(635):1078–82

Time–dependent 222Rn samples loss from small samples. Bates RC. **Health Phys** 1980 Nov;39(5):799–801

Sampling of airborne radioactivity in a hot fuel examination facility. Courtney JC, et al. **Health Phys** 1980 Nov; 39(5):737–50

Factors and strategies in selection of instruments for radiation surveys around medical X–ray installations. Feldman A. **Health Phys** 1980 Apr;38(4):679–81

Dosimetry of environmental radon: methods and theory for low–dose, integrated measurements. Fleischer RL, et al. **Health Phys** 1980 Dec;39(6):957–62

Dosimetry of criticality accidents using activations of the blood and hair. Hankins DE. **Health Phys** 1980 Apr; 38(4):529–41

Dose equivalent index and personal dosimetry. Johns TF. **Health Phys** 1980 Jul;39(1):92–5

Tritium monitoring methodology and application at a research reactor. Langhorst SM, et al. **Health Phys** 1981 Jun;40(6):823–7

Experience in fast neutron personnel monitoring in India. Massand OP, et al. **Health Phys** 1981 Jan;40(1):116–9

Depth–dose characteristics of light water–moderated fission neutron spectra. Singh D, et al. **Health Phys** 1980 Jul; 39(1):114–6

Simple and rapid measurement of alpha–rays on smear samples using air luminescence. Takiue M. **Health Phys** 1980 Jul;39(1):29–32

Radiation dosimetry for commissioning Egypt's 'mega–gamma I' facility for radiation processing. El–Behay AZ, et al. **Int J Appl Radiat Isot** 1981 Jan;32(1):37–42

Chromosome aberrations as a means to determine occupational exposure: an alternative. Sullivan CA. **Radiol Technol** 1980 Sep–Oct;52(2):185–92

[Monitoring of 131I excretions and used materials of patients treated with 131I along with the air contamination level] Nishizawa K, et al. **Kaku Igaku** 1980 Jul;17(6):691–7 (Eng. Abstr.) **(Jpn)**

[Individual dosimetric personnel control of geological units] Romanova IN, et al. **Gig Sanit** 1981 Apr;(4):68–70 **(Rus)**

[Personnel radiation load and a method for determining it during operation of the 12F7 x–ray fluorographic apparatus] Chikirdin EG, et al. **Vestn Rentgenol Radiol** 1981 Jan–Feb;(1):73–6 (Eng. Abstr.) **(Rus)**

STANDARDS

[Radiation protection regulations in various countries (III) (author's transl)] Hamada T. **Radioisotopes** 1980 Sep; 29(9):464–7 **(Jpn)**

TRENDS

Reassessment of radiation hazards: can health physicists keep up? [letter] Cohn JJ. **Health Phys** 1980 Dec;39(6):1002–3

RADIATION, NON–IONIZING

Environmental radiation hazards. Steinfeld AD. **Am Fam Physician** 1980 Oct;22(4):95–9

[Biological effect of non–ionizing radiation] Pauly H, et al. **Strahlenschutz Forsch Prax** 1980;20:1–30 **(Ger)**

ADVERSE EFFECTS

Council on scientific affairs report F biological effects on non–ionizing magnetic and electromagnetic radiation. **J Tenn Med Assoc** 1981 Apr;74(4):266–8

[Biophysics of non–ionizing radiations and results of animal experimentation] Checcucci A. **Ann Ist Super Sanita** 1980; 16(3):407–21 **(Ita)**

[Medical repercussions of non–ionizing radiations on the environment: introduction to the problem] Dardanoni L. **Ann Ist Super Sanita** 1980;16(3):401–6 **(Ita)**

[Recommendations on the subject of medical surveillance for risk from non–ionizing electromagnetic radiation. 1. Radiofrequencies and microwaves (300 kHz+300 GHz)] Bernardi P, et al. **Med Lav** 1981 Jan–Feb;72(1):68–70 **(Ita)**

[Recommendations on the subject of medical surveillance for risk from non–ionizing electromagnetic radiation. 2. Laser regulation] Bernardi P, et al. **Med Lav** 1981 Jan–Feb; 72(1):71–3 **(Ita)**

RADIATION PROTECTION

Protective effects of various types of clothes against UV radiation. Berne B, et al. **Acta Derm Venereol (Stockh)** 1980; 60(5):459–60

Energy band selection in radiology by K absorption edge filtration. Fleay RF. **Australas Radiol** 1980 Nov;24(3):323–7

Protective effect of spectacles. Day MJ, et al. **Br J Radiol** 1981 Feb;54(638):137–8

Radiation exposure and the protection of the community. Gloag D. **Br Med J** 1980 Dec 6;281(6254):1545–8

Basis concepts of radiation protection. Jacobi W. **Ecotoxicol Environ Safety** 1980 Dec;4(4):434–43

The role of nuclear pharmacy in reducing radiation exposure. Ahluwalia B, et al. **Health Phys** 1981 May;40(5):728–9

A critique of the use of ICRP–29's 'Robustness Index' in evaluating uncertainties associated with radiological assessment models [letter] Hoffman FO, et al. **Health Phys** 1980 Aug;39(2):367–9

Investigation on the suitability of various materials as 222Rn diffusion barriers. Pohl–Rüling J, et al. **Health Phys** 1980 Aug;39(2):299–301

What are the limits of ALARA? [letter] Rossi HH. **Health Phys** 1980 Aug;39(2):370–1

A protective apron for users of 32P. Rubin C. **Health Phys** 1980 Sep;39(3):574–6

Technical accuracy in historical writing. Taylor LS. **Health Phys** 1981 May;40(5):595–9

Broad beam attenuation in Leca for 50–140 kVp x–rays. Wøhni T. **Health Phys** 1981 Feb;40(2):205–9

Radioprotection in radioactive iodine therapy. Report of the Radioprotection Commission Société Belge de Médecine Nucléaire. **J Belge Radiol** 1980;63(6):713–7

Radiation safety. Rendano VT, et al. **Mod Vet Pract** 1980 Sep;61(9):730–4

Very high radiation levels found in Swedish houses [news] Barnaby W. **Nature** 1979 Sep 6;281(5726):6

Penetration of protective gloves as a route of intake for tritiated water and 125I–labelled sodium iodide solution. Harris SJ, et al. **Phys Med Biol** 1980 Nov;25(6):1089–94

Dental radiography—a social scientist's perspective. Study indicates need for better performance in preventing over–exposure to x–ray in dental offices. Gamelin JB. **RI Med J** 1980 Dec;63(12):487–93

[Test of protective materials for diagnostic X–ray (author's transl)] Wang XM. **Chung Hua Fang She Hsueh Tsa Chih** 1980 Nov; 14(4):308–11 **(Chi)**

[Special problems in pediatric radiology] Claus D. **Bull Mem Acad R Med Belg** 1979 Oct 27;134(9):473–9 (Eng. Abstr.) **(Fre)**

[Regulations in radiology] Lafontaine A, et al. **Bull Mem Acad R Med Belg** 1979 Oct 27;134(9):535–59 **(Fre)**

[Radiation protection problems in thoracic radiography and pathologic heart conditions in radiologic examinations in the public health office] Wenz W, et al. **Oeff Gesundheitswes** 1980 Jul;42(7):463–7 **(Ger)**

[Problems of laser radiation protection] Gabel VP, et al. **Strahlenschutz Forsch Prax** 1980;20:57–64 **(Ger)**

[Estimation of radiation exposure in angiographic work areas] Mohr H. **Strahlenschutz Forsch Prax** 1980;20:106–14 **(Ger)**

[A device for cutting and milling of styrodur for the use in radiation therapy (author's transl)] Brix F. **Strahlentherapie** 1981 Apr;157(4):260–3 (Eng. Abstr.) **(Ger)**

[Reduced reaction of the skin by using a 0.1 mm polyethylene foil during the x–ray treatment of the human skin (author's transl)] Kirschner H, et al. **Strahlentherapie** 1981 May; 157(5):344–5 (Eng. Abstr.) **(Ger)**

[Improvement of the radiological protection in the interstitial radiotherapy with radiogold seeds (author's transl)] Schmidt J. **Strahlentherapie** 1981 Jan;157(1):29–32 **(Ger)**

[Interstitial radiotherapy of prostatic carcinoma with 125–iodine. Radiation protection measures] Knüfermann H, et al. **Strahlentherapie [Sonderb]** 1978;75:213–6 **(Ger)**

[License in accordance with paragraph 20 of the Radiation Protection Ordinance for activities in foreign nuclear plants] Ehret R. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1980 Oct;30(10):382–7 (Eng. Abstr.) **(Ger)**

[Classification of persons professionally exposed to radiation into categories for the determination of the degree of protection] Formanek H, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1980 Dec;30(12):477–81 **(Ger)**

[Radiation protection in theory and practice] Mayer P. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1980 Nov;30(11):424–30 **(Ger)**

[Radiation protection in radiological technology] Thiele H. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1980 Oct;30(10):366–72 **(Ger)**

[Specialty knowledge of persons responsible for radiation protection] Wehner G. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1980 Oct;30(10):374–80 (Eng. Abstr.) **(Ger)**

[Electric fields, magnetic fields, electromagnetic fields: apparatus for their generation and measurement] Bini M, et al. **Ann Ist Super Sanita** 1980;16(3):423–32 **(Ita)**

[Problems of protection from optical radiation] Di Pofi M, et al. **Ann Ist Super Sanita** 1980;16(3):443–75 **(Ita)**

[Problems of regulation and definition of exposure limits in the national and international fields] Grandolfo M. **Ann Ist Super Sanita** 1980;16(3):433–42 **(Ita)**

[Self radiation shielding on the baby cyclotron (author's transl)] Karasawa T, et al. **Radioisotopes** 1980 Jul; 29(7):344–5 **(Jpn)**

[Contribution of 210Bi beta–ray induced bremsstrahlung to the emission of Pb–KX–rays observed in the lead shielded gamma–ray background spectrum (author's transl)] Shima K, et al. **Radioisotopes** 1980 Aug;29(8):363–7 **(Jpn)**

[Actual possibility of reducing the radiation–induced risk in pediatric radiodiagnosis] Pirvulescu M. **Rev Pediatr Obstet Ginecol [Pediatr]** 1980 Apr–Jun; 29(2):147–53 **(Rum)**

[Penetration of americium deeply into polymeric materials used for protective coatings and individual protection devices] Rubtsov VI, et al. **Gig Sanit** 1980 Dec;(12):71–3 **(Rus)**

[Posthypoxic radioprotective effect in experiments on rats] Strelkov RB, et al. **Radiobiologiia** 1980 Sep–Oct;20(5):762–5 (Eng. Abstr.) **(Rus)**

[Roentgenology developmental trends in their radiation safety aspect] Vlasov PV, et al. **Vestn Rentgenol Radiol** 1980 Sep–Oct;(5):72–6 (Eng. Abstr.) **(Rus)**

[Medical aspects of nuclear energy in Slovakia] Carach J, et al. **Bratisl Lek Listy** 1981 Aug;76(2):231–40 **(Slo)**

ECONOMICS

Analysis of risks, costs and benefits [letter] Axelsson I. **Health Phys** 1981 Feb;40(2):255–7

Cost–benefit analysis: reality or illusion? [letter] Tait GW. **Health Phys** 1980 Nov;39(5):835–8

INSTRUMENTATION

Light sources and shade number of welding filters. Zaborski L. **Bull Inst Marit Trop Med Gdynia** 1980;31(1–2):31–40

Duct effects on the distribution of gamma–rays from a mixed radiation field in an ilmenite–concrete shield. Megahid RM, et al. **Health Phys** 1981 Jun;40(6):829–34

Simple method for reducing shadow–shield background. Noz ME. **Health Phys** 1980 Aug;39(2):304–6

Simultaneous measurement of 59Fe and 51Cr in iron absorption studies using a whole–body scanner with mobile shielding. Marx JJ, et al. **Nuklearmedizin** 1980 Jul; 19(3):140–5

Photochromic sunglasses for radiation protection of the eyes. Maguire WJ. **Radiol Technol** 1981 Jan–Feb;52(4):448–9

A sterile radiation shield for fixed imaging and C– or U–arm cinefluorographic systems. Wong M. **Radiology** 1981 Jun; 139(3):751–2

[Droplet shield from aluminum sheet (author's transl)] Solovjev M. **Cesk Radiol** 1981 Mar;35(2):143–4 (Eng. Abstr.) **(Cze)**

[Radiation protection in the construction and operation of afterloading units] Kirsch M. **Radiobiol Radiother (Berl)** 1980;21(3):302–8 (Eng. Abstr.) **(Ger)**

METHODS

Simulation of extended mantle field by tray shift technique. Nair TK, et al. **Br J Radiol** 1980 Nov;53(635):1088–9

A simple method for localization and shielding of organs in diverging radiation treatment beam. Reitan JB, et al. **Br J Radiol** 1980 Aug;53(632):802–3

Reduction of personnel exposure in diagnostic radiology. Chu WK, et al. **Health Phys** 1981 Jan;40(1):111–3

Plutonium containment. Cohen BL. **Health Phys** 1981 Jan; 40(1):76–8

Design and future uses of national dose registers for regulatory control and epidemiology. Newcombe HB. **Health Phys** 1980 Nov;39(5):783–96

The performance characteristics of radiographic equipment: compliance with federal regulations. Schneider AJ, et al. **Health Phys** 1981 Jan;40(1):113–6

Effect of lead shielding cutouts on dose to overlying tissue for 7 MV electrons. Dockter AE, et al. **Int J Radiat Oncol Biol Phys** 1980 Dec;6(12):1751–3

Radiation protection of personnel during paediatric radiodiagnostic examination. Pritchard C. **Radiography** 1980 Jul;46(547):165–9

What's next? Beck G. **Rev Interam Radiol** 1980 Jul;5(3):93–4

[Radiation exposure and radiation protection in computerized tomography] Stieve FE, et al. **Roentgenpraxis** 1981; 34(2):87–97 **(Ger)**

[Gamma–ray spectrometer with shielding system using contemporary steel (author's transl)] Hirose T, et al.

Radioisotopes 1979 Mar;28(3):163–5 **(Jpn)**

[Microwave radiation sources requiring periodic or sporadic hygienic control] Aniolczyk H. **Med Pr** 1980;31(2):155–63 (Eng. Abstr.) **(Pol)**

[Combined protection of the body during irradiation] Efimov VI. **Med Radiol (Mosk)** 1980 Oct;25(10):66–73 (126 ref.) **(Rus)**

[Qualitative composition of scattered x-ray radiation in protection control] Kleimenova LV, et al. **Med Radiol (Mosk)** 1980 Oct;25(10):24–8 (Eng. Abstr.) **(Rus)**

[Radioprotective action of total gas hypoxia in local irradiation of the skin] Vainson AA. **Med Radiol (Mosk)** 1981 Jan;26(1):22–5 (Eng. Abstr.) **(Rus)**

[Cytogenetic effect of protecting the bone marrow of mice and monkeys by using measured hypoxia in the action of low ionizing radiation doses] Kosichenko LP, et al. **Tsitol Genet** 1980 Mar–Apr;14(2):27–31 (Eng. Abstr.) **(Rus)**

STANDARDS

NCRP statement on dose limit for neutrons . . . **Am Ind Hyg Assoc J** 1980 May;41(5):A36

Risk assessment for radiation protection purposes. Pochin EE. **At Energy Rev** 1980 Sep;18(3):779–802 (89 ref.)

Problems involved in the application of ICRP Publication 26 dose limitation system. Gouvras G, et al. **Health Phys** 1981 Feb;40(2):225–8

A multi-attribute approach to the rationalisation of radiological protection. Oudiz A, et al. **Health Phys** 1981 Jun;40(6):783–99

Proposed interim measuring quantity for radiation protection dosimeters for photons. Reich H. **Health Phys** 1981 Jun; 40(6):898–902

Some nonscientific influences on radiation protection standards and practice. The 1980 Sievert Lecture. Taylor LS. **Health Phys** 1980 Dec;39(6):851–74

Limits for intakes of radionuclides by workers: ICRP Publication 30. Vennart J. **Health Phys** 1981 Apr; 40(4):477–84

Radiation safety implications of ICRP 26 annual limits of dose. Ward A, et al. **Health Phys** 1980 Apr;38(4):687–90

[From the Publication 9 to the Publication 26 of the International Commission on Radiological Protection (ICRP) (author's transl)] Polvani C. **Med Lav** 1979 Nov–Dec;70(6):494–504 (Eng. Abstr.) **(Ita)**

[New directive of the European Common Market on protection from ionizing radiations] Thorn G. **Radiol Med (Torino)** 1980 Jul–Aug;66(7–8):560–71 **(Ita)**

[Radiation protection regulations in various countries (II) (author's transl)] Hamada T. **Radioisotopes** 1980 Aug; 29(8):409–15 **(Jpn)**

[Radiation protection regulations in various countries (author's transl)] Hamada T. **Radioisotopes** 1980 Jul; 29(7):355–62 **(Jpn)**

[Radiation protection regulations in various countries (III) (author's transl)] Hamada T. **Radioisotopes** 1980 Sep; 29(9):464–7 **(Jpn)**

[Radioactivity standards for construction materials] Krisiuk EM. **Gig Sanit** 1980 Dec;(12):32–4 **(Rus)**

[Method of verifying the protection in x-ray diagnostic offices] Vladimirov LV, et al. **Med Radiol (Mosk)** 1981 Mar;26(3):61–4 **(Rus)**

RADIATION-PROTECTIVE AGENTS

Enzyme histochemical, biochemical and metabolic effects of Solcoseryl in connection with its radioprotective capability. Bauer D, et al. **Biochem Exp Biol** 1979;15(2):147–53

Local anaesthetics as hypoxic radiosensitizers, oxic radioprotectors and potentiators of hyperthermic killing in mammalian cells. Yau TM, et al. **Br J Radiol** 1980 Jul; 53(631):687–92

Phase I clinical studies with WR–2721. Kligerman MM, et al. **Cancer Clin Trials** 1980 Fall;3(3):217–21

Rationale for initial clinical trials and future development of radioprotectors. Phillips TL. **Cancer Clin Trials** 1980 Summer;3(2):165–73

The role of WR–2721 in radiotherapy and/or chemotherapy. Yuhas JM, et al. **Cancer Clin Trials** 1980 Fall;3(3):211–6

Research on the radioprotecting action of thymic polypeptides and timosterin B. Milcu SM, et al. **Endocrinologie** 1981 Apr–Jun;19(2):87–92

Modification of radiation-induced genetic damage in Drosophila melanogaster male germ cells by butylated hydroxytoluene. Barnett BM, et al. **Int J Radiat Biol** 1980 Nov;38(5):559–66

Protection of transforming DNA from X-irradiation-induced damage by .OH scavengers. Held KD, et al. **Int J Radiat Biol** 1979 Dec;36(6):665–9

Radioprotection of normal and malignant tissue in the mouse by diethylaminoreserpine. Lehnert S, et al. **Int J Radiat Biol** 1981 Jul;40(1):63–73

DMSO does not protect against hydroxyl radical induced peroxidation in model membranes. Raleigh JA, et al. **Int J Radiat Biol** 1981 Apr;39(4):441–4

Studies on the radioprotective effects of superoxide dismutase in mice. Abe M, et al. **Int J Radiat Oncol Biol Phys** 1981 Feb;7(2):205–9

Cytarabin (Ara-C) induced radioresistance of mouse jejunal stem cells following single or fractionated doses of radiation. Phelps TA. **Int J Radiat Oncol Biol Phys** 1980 Dec;6(12):1671–7

Interaction of sulfur-containing radioprotectors with DNA: a spectrophotometric study. Vasilescu D, et al. **Physiol Chem Phys** 1980;12(1):51–5

Nutritional and protective properties of thiocystine. Wood JL. **Proc Soc Exp Biol Med** 1980 Dec;165(3):469–72

Protection by glycerol against the biological actions of near-ultraviolet light. Peak MJ, et al. **Radiat Res** 1980 Sep; 83(3):553–8

The response of rat hind limbs to X irradiation: a possible role for protein synthesis. Weissberg JB, et al. **Radiology** 1981 May;139(2):489–90

Radioprotective property of flavonoids in mice. Agarwal OP, et al. **Toxicon** 1981;19(2):201–4

Radioprotective and radiosensitizing effects of sulfur-containing amino acid derivatives on mice. Nishimura A, et al. **Z Naturforsch [C]** 1980 Sep–Oct; 35(9–10):726–8

[The relationship between radioprotection and estrogenic action of nonsteroidal estrogens and related compounds (author's transl)] Xu XR, et al. **Yao Hsueh Hsueh Pao** 1980 Nov;15(11):648–55 (Eng. Abstr.) **(Chi)**

[Doses of radioprotective agents used in trials of radioprotection: apropos of imidazole and naphazoline] Caravel JP, et al. **Farmaco [Prat]** 1981 Feb;36(2):49–57 (Eng. Abstr.) **(Fre)**

[Radioprotective effects of superoxide dismutase (SOD) on murine tissues (author's transl)] Nishidai T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1980 Oct 25; 40(10):983–90 (Eng. Abstr.) **(Jpn)**

[Cell recovery from radiation damage by means of antioxidants and the reliability of biological systems] Kol'tover VK, et al. **Dokl Akad Nauk SSSR** 1980; 254(3):760–2 **(Rus)**

[Toxicity and radioprotective properties of heterocyclic compounds containing a hydrazine fragment] Il'iuchenok TIu, et al. **Farmakol Toksikol** 1980 Nov–Dec;43(6):725–9 (Eng. Abstr.) **(Rus)**

[Toxicity of single and multiple administrations of phosphorus-containing isothiuronim derivatives possessing radioprotective properties] Zav'ialov IuV, et al. **Farmakol Toksikol** 1980 Mar–Apr;43(2):212–5 (12 ref.) (Eng. Abstr.) **(Rus)**

[Study of the radiation-protective activity of new beta-aminonitriles] Babaev RA, et al. **Radiobiologiia** 1980 Sep–Oct;20(5):750–2 (Eng. Abstr.) **(Rus)**

[Effect of the radioprotectors, 2-mercaptoethylamine and 5-methoxytryptamine on the activity of reparative enzymes] Beliakova NV, et al. **Radiobiologiia** 1981 Mar–Apr;21(2):198–203 (Eng. Abstr.) **(Rus)**

[Radioprotective action of anaerobic bacterial spores in animal radiation lesions] Duda VI, et al. **Radiobiologiia** 1980 Nov–Dec;20(6):929–32 **(Rus)**

[Radioprotective action of anaerobic bacterial spore extracts in animal radiation lesions] Duda VI, et al. **Radiobiologiia** 1980 Nov–Dec;20(6):926–9 (Eng. Abstr.) **(Rus)**

[Study of the radioprotective effects of optical isomers of S-(2-aminopentyl-isothiourea in experiments on mammals and in cells in vitro] Graevskii ElA, et al. **Radiobiologiia** 1980 Sep–Oct;20(5):752–5 (Eng. Abstr.) **(Rus)**

[Study of radiation protection of DNA by heterocyclic derivatives of S-(aminoalkyl)isothioureas] Kondakova NV, et al. **Radiobiologiia** 1980 Sep–Oct;20(5):676–82 (Eng. Abstr.) **(Rus)**

[Role of endogenous glutathione in the radioprotective effect of anoxia] Konstantinova MM, et al. **Radiobiologiia** 1981 Mar–Apr;21(2):277–80 (Eng. Abstr.) **(Rus)**

[Effect of MEA on the viability of microorganisms differing in radiosensitivity] Kuznetsova EA, et al. **Radiobiologiia** 1980 Sep–Oct;20(5):758–62 (Eng. Abstr.) **(Rus)**

[Effect of xanthobin on the degree of damage to DNA molecules by gamma-irradiation] Osipov ND, et al. **Radiobiologiia** 1980 Sep–Oct;20(5):671–5 (Eng. Abstr.) **(Rus)**

[Conditions for using thyroxine as an antimutagen after whole-body x-ray irradiation] Timchenko OI, et al. **Radiobiologiia** 1981 Mar–Apr;21(2):204–10 (Eng. Abstr.) **(Rus)**

[Morphological analysis of the radioprotective effectiveness of a HGM-10 hypoxic gas mixture in the total irradiation of rats] Tiutikova ON, et al. **Radiobiologiia** 1980 Jul–Aug; 20(4):602–5 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

[Changes in reduced glutathione concentration in rat tissues after irradiation and prior administration of a cystamine and mexamine combination] Pulpánová J, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1980;23(3):311–8 (Eng. Abstr.) **(Cze)**

[Reduction of radiation-induced early skin damage (mouse foot) by O-(beta-hydroxyethyl)-rutoside (author's transl)] Fritz-Niggli H, et al. **ROEFO** 1980 Sep;133(3):316–21 (Eng. Abstr.) **(Ger)**

[Catecholamine and electrolyte content in the vascular wall of animals with radiation sickness and administered radioprotectors] Litvinov SA. **Farmakol Toksikol** 1980 Sep–Oct;43(5):615–20 (Eng. Abstr.) **(Rus)**

[Serological activity and radioprotective effects of benzene extracts from human blood corpuscles (author's transl)] Cabadaj S, et al. **Cas Lek Cesk** 1980 Nov;119(45):1207–9 (Eng. Abstr.) **(Slo)**

ADVERSE EFFECTS

A cautionary note on the use of thiol compounds to protect normal tissues in radiotherapy [letter] Lunec J, et al. **Br J Radiol** 1981 May;54(641):428–9

ANALYSIS

[The significance of superoxide dismutase in the development of post-irradiation syndrome. I. Properties of superoxide dismutase] Kovářová H, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1980;23(4):485–96 (Eng. Abstr.) **(Cze)**

CHEMICAL SYNTHESIS

[Study of antiradiation drugs. I. Synthesis of some mercapto and amino derivatives of thiomorpholine (author's transl)] Chen FX, et al. **Yao Hsueh Hsueh Pao** 1980;15(8):482–8 (Eng. Abstr.) **(Chi)**

[Synthesis of isobombycol and its derivatives (author's transl)] Li ZY, et al. **Yao Hsueh Hsueh Pao** 1981 Jan; 16(1):73–5 (Eng. Abstr.) **(Chi)**

[Synthesis of aminoalkylthiophosphoric acids (author's transl)] Tong ZS, et al. **Yao Hsueh Hsueh Pao** 1981 Apr; 16(4):302–5 (Eng. Abstr.) **(Chi)**

[Study of antiradiation drugs. III. Synthesis of some tertiary amino derivatives of 1,2-dithiolane (author's transl)] Zhu YQ, et al. **Yao Hsueh Hsueh Pao** 1980 Nov;15(11):656–63 (Eng. Abstr.) **(Chi)**

[Study on antiradiation drugs. II. Synthesis of N,N-substituted aminoalkyl 2-phenyl (or 2-chlorophenyl)-thiomorpholine and some of its derivatives (author's transl)] Zhu YQ, et al. **Yao Hsueh Hsueh Pao** 1980 Oct;15(10):603–8 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

Differential protection against cytotoxic chemotherapeutic effects on bone marrow CFUs by Wr-2721. Wasserman TH, et al. **Cancer Clin Trials** 1981;4(1):3–6

Effect of 2-mercaptopropionylglycine (MPG) on thyroid function in sub-lethally irradiated mice. Umi Devi P, et al. **Experientia** 1981 Mar 15;37(3):312–3

Radioprotection of bovine erythrocytes to haemolysis. Bartosz G, et al. **Int J Radiat Biol** 1981 Jan;39(1):39–46

Radioprotection by thiazolidines at the cellular level. Vos O, et al. **Int J Radiat Biol** 1981 Mar;39(3):291–6

Trial of a new compound as a chemical radioprotector and its effect on melatonin. Hasan SS, et al. **J Nucl Med Allied Sci** 1980 Jul–Dec;24(3–4):135–8

Response of adrenal catecholamine to a newly synthesized chemical radioprotector. Hasan SS, et al. **Nuklearmedizin** 1981 Apr;20(2):82–4

Nuclear magnetic resonance relaxation times for tissues of mice given radioprotective compounds. Ujeno Y. **Physiol Chem Phys** 1980;12(3):271–5

The application of rapid-lysis techniques in radiobiology. IV. The effect of glycerol and DMSO on Chinese hamster cell survival and DNA single-strand break production. Millar BC, et al. **Radiat Res** 1981 Jun;86(3):506–14

Modification of gamma-irradiation-induced change in myoglobin by alpha-mercaptopropionylglycine and its related compounds and the formation of sulfmyoglobin. Motohashi N, et al. **Radiat Res** 1981 Jun;86(3):479–87

MPG protection against radiation sickness and weight loss and its correlation with mortality of mice after whole-body gamma-irradiation. Saharan BR, et al. **Strahlentherapie** 1981 Feb;157(2):138–40

The radioprotective effect of misonidazole (Ro-07-0582) on normal canine rectum. Stryker JA, et al. **Strahlentherapie** 1980;156(10):719–24

[Experimental therapy of acute radiation sickness with ethinylestradiol. II. Radioprotective effect of ethinylestradiol on hemopoietic system (author's transl)] Lu RS, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1980 Sep; 2(3):156–61 (Eng. Abstr.) **(Chi)**

[The effect of radioprotective agents on the activity of alkaline phosphatase isoenzymes in the blood serum of irradiated large laboratory animals] Křižala J, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1980; 23(3):297–309 (Eng. Abstr.) **(Cze)**

[Radioprotective effectiveness of the paramunity inducer 'pind-avi': investigation using the model 'protective tetanic vaccination in mice' after exposure to X-rays (author's transl)] Mayr A, et al. **Strahlentherapie** 1980 Nov; 156(11):795–9 (Eng. Abstr.) **(Ger)**

[Modern trends in the development of radioprotective formulations (a review of the literature)] Vladimirov VG, et al. **Farmakol Toksikol** 1980 Mar–Apr;43(2):244–9 (77 ref.) **(Rus)**

[Combined effect of radiation-protective and radiation-sensitizing agents on an erythrocyte membrane radiation lesion] Juzova K, et al. **Radiobiologiia** 1980 Jul–Aug;20(4):585–9 (Eng. Abstr.) **(Rus)**

[Radiobiological effects in mouse somatic cells irradiated with deuterons and protected by adeturon] Tenchova VB, et al. **Radiobiologiia** 1980 Nov–Dec;20(6):919–21 (Eng. Abstr.) **(Rus)**

[Changes in prostaglandin systhetase activity in mouse tissues as affected by S-[N-(3-aminopropyl)-2-aminoethyl] thiophosphoric acid] Prianishnikova EN, et al. **Vopr Med Khim** 1980 Sep-Oct;26(5):685-8 (Eng. Abstr.) **(Rus)**

SUPPLY & DISTRIBUTION

Resolution concerning the stockpiling of potassium iodide in New York City in the event of a nuclear accident. The Committee on Public Health, The New York Academy of Medicine. **Bull NY Acad Med** 1981 Jun;57(5):395-9

THERAPEUTIC USE

Sensitizers and protectors in clinical oncology. Phillips TL. **Semin Oncol** 1981 Mar;8(1):65-82 (52 ref.)

Cancer trends: the potential of radiation modifiers. Elkon D. **Va Med** 1981 Feb;108(2):120-4

[Chemical protection of the body against irradiation with high-energy protons] Vorob'ev EI, et al. **Kosm Biol Aviakosm Med** 1981 Jan-Feb;15(1):3-9 (53 ref.) (Eng. Abstr.) **(Rus)**

[Combined protection of the body during irradiation] Efimov VI. **Med Radiol (Mosk)** 1980 Oct;25(10):66-73 (126 ref.) **(Rus)**

[Joint use of aminopropylaminoethylthiophosphate with other radioprotective agents] Suroegin EV. **Radiobiologiia** 1980 Jul-Aug;20(4):595-8 (Eng. Abstr.) **(Rus)**

TOXICITY

Studies on sulfhydryl radioprotectors with low toxicities. Nagata H. **Tokushima J Exp Med** 1980 Jun;27(1-2):15-21

RADIATION SENSITIVITY see **RADIATION TOLERANCE**

RADIATION-SENSITIZING AGENTS

Sensitivity of cells in exponential and stationary growth phase to combined treatment with radiation and quinacrine. Midander J, et al. **Acta Radiol Oncol Radiat Phys Biol** 1980; 19(4):245-9

Cytotoxic properties of a 4-nitroimidazole (NSC 38087): a radiosensitizer of hypoxic cells in vitro. Stratford IJ, et al. **Br J Cancer** 1981 Jul;44(1):109-16

Teratogenic and radiosensitizing effects of misonidazole on mouse embryos. Michel C, et al. **Br J Radiol** 1981 Feb; 54(638):154-5

Local anaesthetics as hypoxic radiosensitizers, oxic radioprotectors and potentiators of hyperthermic killing in mammalian cells. Yau TM, et al. **Br J Radiol** 1980 Jul; 53(631):687-92

Hypoxia-mediated drugs for radiation and chemotherapy. Adams GE. **Cancer** 1981 Aug 1;48(3):696-707 (73 ref.)

The enhancement effect of irradiation by methotrexate. Report of three complications. Shehata WM, et al. **Cancer** 1980 Sep 15;46(6):1349-52

Misonidazole in the preoperative and radical radiotherapy of bladder cancer. Awwad HK, et al. **Cancer Clin Trials** 1980 Fall;3(3):275-80

The Cambridge glioma trial of misonidazole and radiation therapy with associated pharmacokinetic studies. Bleehen NM. **Cancer Clin Trials** 1980 Fall;3(3):267-73

Testing of hypoxic cell radiosensitizers in vivo. Denekamp J. **Cancer Clin Trials** 1980 Summer;3(2):139-48

The effects of misonidazole during continuous low dose rate irradiation. Fu KK, et al. **Cancer Clin Trials** 1980 Fall; 3(3):257-65

The effect of misonidazole in situ on the radiation response of selected tumor subpopoulations. Grdina DJ, et al. **Cancer Clin Trials** 1980 Summer;3(2):149-54

Radiation sensitivity modification by chemotherapeutic agents. Hetzel FW, et al. **Cancer Clin Trials** 1981; 4(2):177-82

The response of EMT6 tumor spheroids to combined treatment with misonidazole and either nitrogen mustard, adriamycin, or BCNU. Twentyman PR. **Cancer Clin Trials** 1980 Fall;3(3):253-6

Experimental studies on the radiation-modifying effect of bleomycin in malignant and normal mouse tissue in vivo. Molin J, et al. **Cancer Treat Rep** 1981 Jul-Aug; 65(7-8):583-9

Radiation sensitization studies in Japan. Sugahara T, et al. **Cancer Treat Rev** 1981 Mar;8(1):51-61 (43 ref.)

Structure-activity relationships in the development of hypoxic cell radiosensitizers. III. Effects of basic substituents in nitroimidazole sidechains. Adams GE, et al. **Int J Radiat Biol** 1980 Dec;38(6):613-26

Are ortho-substituted 4-nitroimidazoles a new generation of radiation-induced arylating agents? Clarke ED, et al. **Int J Radiat Biol** 1980 Apr;37(4):463-8

Influence of daunorubicin on the survival of X-irradiated mammalian cells. Dehove D, et al. **Int J Radiat Biol** 1980 Apr;37(4):373-81

Sensitization to X-rays of transforming DNA by Ag+. Held KD, et al. **Int J Radiat Biol** 1980 Sep;38(3):293-307

The effect of anaesthesia on the radiosensitivity of rat intestine, foot skin and R-1 tumours. Kal HB, et al. **Int J Radiat Biol** 1980 Apr;37(4):447-50

Biphasic radiosensitization of human lymphocytes by diethyldithiocarbamate: possible involvement of superoxide dismutase. Rigas DA, et al. **Int J Radiat Biol** 1980 Sep; 38(3):257-66

Modification of the action of misonidazole. II. Effect of TAN on radiosensitization. Skov KA, et al. **Int J Radiat Biol** 1980 Jun;37(6):613-20

Potentiation of cellular radiosensitivity by nitroprusside and vitamin B12. Douple EB, et al. **Int J Radiat Oncol Biol Phys** 1980 Nov;6(11):1545-9

Effects of lucanthone on Chinese hamster V-79 cells. I. Interaction with radiation in monolayers and spheroids. Durand RE, et al. **Int J Radiat Oncol Biol Phys** 1980 Nov; 6(11):1525-30

Effects of lucanthone on Chinese hamster V-79 cells. II. Damage to DNA. Olive PL, et al. **Int J Radiat Oncol Biol Phys** 1980 Nov;6(11):1531-7

Synergism of estrogens and X-rays in mammary carcinogenesis in female ACI rats. Holtzman S, et al. **JNCI** 1981 Aug;67(2):455-9

Radiosensitization of hypoxic bacterial cells by nitroimidazoles of low lipophilicity: steady-state and rapid-mix studies. Anderson RF, et al. **Radiat Res** 1981 Mar;85(3):496-504

Iodine contrast medium sensitizes cultured mammalian cells to X rays but not to gamma rays. Matsudaira H, et al. **Radiat Res** 1980 Oct;84(1):144-8

The pharmacokinetics and tumor and neural tissue penetrating properties of SR-2508 and SR-2555 in the dog--hydrophilic radiosensitizers potentially less toxic than misonidazole. White RA, et al. **Radiat Res** 1980 Dec; 84(3):542-61

Radioprotective and radiosensitizing effects of sulfur-containing amino acid derivatives on mice. Nishimura A, et al. **Z Naturforsch [C]** 1980 Sep-Oct; 35(9-10):726-8

[Comparative studies on the radiosensitizing action of 4-nitroimidazole and metronidazole (author's transl)] Magdon E, et al. **Arch Geschwulstforsch** 1981;51(3):225-30 (Eng. Abstr.) **(Ger)**

[Effects of adriamycin on radiation sensitivity of cultured human lung cancer cells (author's transl)] Mikage F. **Nippon Igaku Hoshasen Gakkai Zasshi** 1980;40(3):238-46 (Eng. Abstr.) **(Jpn)**

[Preliminary clinical studies on the use of metronidazole as a radiosensitizing agents] Hliniak A, et al. **Nowotwory** 1980 Apr-Jun;30(2):127-30 (Eng. Abstr.) **(Pol)**

[Blastolysin, an agent potentiating the antitumor action of ionizing radiation] Iarmonenko SP, et al. **Dokl Akad Nauk SSSR** 1980;253(6):1495-9 **(Rus)**

[Evaluation of the effect of mexamine in the radiation therapy of malignant neoplasms] Klimenko AA, et al. **Med Radiol (Mosk)** 1981 May;26(5):27-9 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Potential radiosensitizing agents. 2. Synthesis and biological activity of derivatives of dinitroimidazole with oxiranes. Sehgal RK, et al. **J Med Chem** 1981 May;24(5):601-4

METABOLISM

A drug for improved radiosensitization in radiotherapy. Dische S, et al. **Br J Cancer** 1980 Jul;42(1):153-5

The concentration of desmethylmisonidazole in human tumours and in cerebrospinal fluid. Dische S, et al. **Br J Cancer** 1981 Mar;43(3):344-9

The optimum time for irradiation relative to tumour concentration of hypoxic cell sensitizers. Brown JM, et al. **Br J Radiol** 1980 Sep;53(633):915-6

Tissue distribution and retention of 5-thio-D-glucose in animal tumor models. Markoe AM, et al. **Cancer Clin Trials** 1980 Summer;3(2):155-63

Pharmacokinetics of hypoxic cell radiosensitizers: a review. Workman P. **Cancer Clin Trials** 1980 Fall;3(3):237-51

PHARMACODYNAMICS

Tocopherol in irradiation of temporary hypoxic tumours. Kågerud A, et al. **Acta Radiol Oncol Radiat Phys Biol** 1981; 20(1):1-4

Isobologram analysis of the combined effects of anti-tumour platinum complexes and ionizing radiation on mammalian cells. Szumiel I, et al. **Br J Cancer** 1980 Aug;42(2):292-6

Potentiation of the radiation response of hypoxic mammalian cells by cis-dichlorobis(isopropylamine)trans-dihydroxy platinum IV (CHIP). Laverick M, et al. **Br J Radiol** 1981 Jun;54(642):529-30

A system for determining the pharmacology of indirect radiation sensitizer drugs on multicellular spheroids. Kaufman N, et al. **Cancer Clin Trials** 1981;4(2):199-204

Long-lived oxygen-dependent damage in bacterial spores irradiated at conventional dose rates. Ewing D. **Int J Radiat Biol** 1980 Dec;38(6):685-9

Cytotoxic effect of chlorpromazine and its interaction with radiation on a mouse fibrosarcoma. George KC, et al. **Int J Radiat Biol** 1980 Dec;38(6):661-5

The reactions of the 2'-deoxyadenosine electron adduct in aqueous solution. The effects of the radiosensitizer p-nitroacetophenone. A pulse spectroscopic and pulse conductometric study. Hissung A, et al. **Int J Radiat Biol** 1981 Jan;39(1):63-71

A comparison of the fixation of x-ray or heat damage in Chinese hamster cells exposed to anisotonic salt solutions. Raaphorst GP, et al. **Int J Radiat Biol** 1981 Jun; 39(6):689-95

Theoretical approach for radiosensitizers. Correlation between calculated electroaffinity and sensitization factors of nitro-compounds. Smeyers YG, et al. **Int J Radiat Biol** 1981 Jun;39(6):649-53

Use of solubilizing agents to study radiosensitization in vitro by compounds of low water solubility. Watts ME, et al. **Int J Radiat Biol** 1981 Jun;39(6):633-9

The effect of hypoxic cell radiosensitizing drugs on cellular oxygen utilization. Biaglow JE. **Pharmacol Ther** 1980; 10(2):283-99

Measurements of in vivo effects of an electron-affinic radiosensitizer using a double tracer technique. Gewehr K, et al. **Strahlentherapie** 1980 Aug;156(8):554-60

Radiosensitizing effect of 2,4-dinitroimidazole-1-ethanol and its cytotoxicity in HeLa S3 cells. Shibata C, et al. **Strahlentherapie** 1981 Jul;157(7):481-5

[Combined effect of radiation-protective and radiation-sensitizing agents on an erythrocyte membrane radiation lesion] Juzova K, et al. **Radiobiologiia** 1980 Jul-Aug;20(4):585-9 (Eng. Abstr.) **(Rus)**

[Radiosensitizing action of 8-bromocaffeine on mouse hematopoietic stem cells] Volchkov VA, et al. **Radiobiologiia** 1981 Jan-Feb;21(1):131-3 **(Rus)**

[Effect of 8-bromoadenine on DNA repair] Tkalich AV, et al. **Tsitologiia** 1980 Aug;22(8):994-7 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Radiosensitisers [editorial] **Br Med J** 1980 Oct 25; 281(6248):1089-90

Radiosensitisers [letter] Paterson IC. **Br Med J [Clin Res]** 1981 Jan 3;282(6257):69-70

Selective enhancement of radiation response in a C3H mammary carcinoma by cisplatin. Overgaard J, et al. **Cancer Treat Rep** 1981 May-Jun;65(5-6):501-3

Role of hypoxic sensitizers in radiotherapy. Singh DR, et al. **Indian J Cancer** 1981 Mar;18(1):63-8

Hypoxic cell radiosensitizers in the treatment of malignant brain tumors. Gutin PH, et al. **Neurosurgery** 1980 May; 6(5):567-76

Combinations of radiation and misonidazole in a murine lung tumor model. Siemann DW, et al. **Radiat Res** 1981 May; 86(2):387-97

Combination of radiosensitizers and hyperthermia in tumour radiotherapy. Brückner V. **S Afr Med J** 1981 Jan 24; 59(4):116-7 (27 ref.)

Sensitizers and protectors in clinical oncology. Phillips TL. **Semin Oncol** 1981 Mar;8(1):65-82 (52 ref.)

Hypoxic cell radiosensitizers. Fowler JF. **Strahlentherapie [Sonderb]** 1978;75:12-9

Hypoxic cell radiosensitizers--chemical aspects and in vitro models. Wardman P. **Strahlentherapie [Sonderb]** 1978; 75:20-6

Cancer trends: the potential of radiation modifiers. Elkon D. **Va Med** 1981 Feb;108(2):120-4

[On the present state of use of radiosensitizers in radiation therapy from the radiobiological point of view (author's transl)] Magdon E. **Radiobiol Radiother (Berl)** 1980; 21(6):778-87 (36 ref.) (Eng. Abstr.) **(Ger)**

TOXICITY

[Toxicity of the functional derivatives of polyhedral carboranes] Spryshkova RA, et al. **Med Radiol (Mosk)** 1981 Jun;26(6):62-4 **(Rus)**

RADIATION SICKNESS see **RADIATION INJURIES**

RADIATION SYNDROME see **RADIATION INJURIES**

RADIATION TOLERANCE

Influence of the thyroid hormones on erythropoiesis and radiation resistance in C 57 black mice. Mikeska J, et al. **Acta Radiol Oncol Radiat Phys Biol** 1980;19(4):299-304

Limits for intakes of radionuclides by workers. A report of Committee 2 of the International Commission on Radiological Protection. **Ann ICRP** 1981;5(1-6):1-751

Principles of selective inactivation of viral genome. II. Influence of stirring and optical density of the layer to be irradiated upon UV-induced inactivation of viruses. Budowsky EI, et al. **Arch Virol** 1981;68(3-4):249-56

Mutation induction in a radiation-sensitive variant of mammalian cells. Sato K. **Basic Life Sci** 1980;15:343-7

A new method for quantifying tumour cell radiosensitivity in situ from combined regrowth delay and dose/cure information. Brunton GF, et al. **Br J Cancer [Suppl]** 1980 Apr;41(Suppl 4):100-1

Association of in vitro radiosensitivity and cancer in a family with acute myelogenous leukemia. Bech-Hansen NT, et al. **Cancer Res** 1981 Jun;41(6):2046-50

Cellular basis of the immunohematologic defects observed in short-term semiallogeneic B6C3F1 -- C3H chimeras: evidence for host-versus-graft reaction initiated by radioresistant T cells. Aizawa S, et al. **Cell Immunol** 1980 Nov;56(1):47-57

Relief of polarity caused by transposon Tn5: application in mapping a cloned region of the Escherichia coli uvrB locus essential for UV resistance. Pannekoek H, et al. **Gene** 1980 Dec;12(1-2):51-61

Isolation of plasmids carrying either the uvrC or uvrC uvrA and ssb genes of Escherichia coli K-12. Yoakum GH, et

al. **Gene** 1980 Dec;12(3–4):243–8
Evidence for a decreased susceptibility to acute radiation lethality in young lambs. Roberts PB, et al. **Health Phys** 1980 Aug;39(2):225–9
Radioresistant T lymphocytes in mice: distribution in organs, Thy-1 antigen content and helper activity. Yarilin AA, et al. **Immunology** 1980 Aug;40(4):565–9
Cytotoxic & radiosensitizing effects of chlorpromazine hydrochloride in sarcoma 180A. Shenoy MA, et al. **Indian J Exp Biol** 1980 Aug;18(8):791–5
Superoxide dismutase and radiation-induced haemolysis: no benefit of its increased content in red cells. Bartosz G, et al. **Int J Radiat Biol** 1980 Aug;38(2):187–92
Radiosensitivity in cultured human fibroblasts. Cox R, et al. **Int J Radiat Biol** 1980 Nov;38(5):575–6
Correlation between the radiobiological oxygen constant, K, and the non-protein sulphydryl content of mammalian cells. Cullen BM, et al. **Int J Radiat Biol** 1980 Nov; 38(5):525–35
Variation of the radiobiological oxygen constant, K, with the proliferative activity of the cells. Cullen BM, et al. **Int J Radiat Biol** 1980 Nov;38(5):513–24
Comparison between the radiosensitivity of human, mouse and chicken fibroblast-like cells using short-term endpoints. Diatloff-Zito C, et al. **Int J Radiat Biol** 1981 Apr;39(4):419–30
The effect of extracellular environment on the sensitivity of two strains of Tetrahymena to gamma rays. Gebicki JM, et al. **Int J Radiat Biol** 1980 Oct;38(4):473–9
The effect of low exposure-rate gamma irradiation on T and B lymphocyte function in the mouse. McDermott CE, et al. **Int J Radiat Biol** 1980 Apr;37(4):415–28
Modification of the action of misonidazole. II. Effect of TAN on radiosensitization. Skov KA, et al. **Int J Radiat Biol** 1980 Jun;37(6):613–20
Protein composition of cells, nuclei and chromatin from some radiosensitive and radioresistant mouse tissues. Suciu D. **Int J Radiat Biol** 1981 Jun;39(6):641–7
Correlation of cell cycle parameters with radiation sensitivity in a series of murine L5178Y cells. Yau TM, et al. **Int J Radiat Biol** 1980 Apr;37(4):429–35
Heat and radiation sensitivity of Chinese hamster V79 cells and of nine clones selected from survivors of a thermal tolerant cell population. Raaphorst GP, et al. **Int J Radiat Oncol Biol Phys** 1980 Nov;6(11):1577–81
Radiosensitivity of Hodgkin's disease lymphocytes. Baral E, et al. **J Clin Lab Immunol** 1981 Mar;5(2):101–5
Radiation sensitivity of human natural killer cell activity: control by X-linked genes. Brovall C, et al. **J Immunol** 1981 Jun;126(6):2236–9
Transmission of in-vitro radioresistance in a cancer-prone family. Bech-Hansen NT, et al. **Lancet** 1981 Jun 20; 1(8234):1335–7
Doxorubicin-enhanced skin reaction after whole-body electron-beam irradiation for leukemia cutis. Solberg LA Jr, et al. **Mayo Clin Proc** 1980 Nov;55(11):711–5
Resistance to radiation, recombination repair of DNA and chromosome organisation. Fletcher HL. **Mutat Res** 1981 Jan;80(1):75–89
Spontaneous and UV-induced recombination in radiation-sensitive mutants of Schizosaccharomyces pombe. Grossenbacher-Grunder AM, et al. **Mutat Res** 1981 Mar;81(1):37–48
Response of mutagen-sensitive Drosophila melanogaster to hyperthermia and radiation. Mittler S. **Mutat Res** 1980 Aug;72(1):101–14
Killing and mutagenic action of sunlight upon Bacillus subtilis spores: a dosimetric system. Munakata N. **Mutat Res** 1981 Jul;82(2):263–8
Investigations on radiosensitive and radioresistant populations of Drosophila melanogaster. VIII. The system of relative radioresistance in immature oocytes of the irradiated population ROI4. Nöthel H. **Mutat Res** 1981 Jan; 80(1):105–20
Rbe of densely ionizing radiation for wild-type and radiosensitive mutants of yeast. Petin VG, et al. **Mutat Res** 1981 Jul;82(2):285–94
Distribution among incompatibility groups of plasmids that confer UV mutability and UV resistance. Pinney RJ. **Mutat Res** 1980 Aug;72(1):155–9
Effect of methyl methanesulfonate on survival of radiation-sensitive strains of Dictyostelium discoideum. Podgorski G, et al. **Mutat Res** 1980 Dec;73(2):415–8
Genetic control of diploid recovery after gamma-irradiation in the yeast Saccharomyces cerevisiae. Saeki T, et al. **Mutat Res** 1980 Dec;73(2):251–65
Mutagenesis at the ad-3A and ad-3B loci haploid UV-sensitive strains of Neurospora crassa. III. Comparison of dose-response curves for inactivation and mutation induced by gamma-rays. Schüpbach ME, et al. **Mutat Res** 1981 Mar;81(1):49–58
High sensitivity but normal DNA-repair activity after UV irradiation in Epstein--Barr virus-transformed lymphoblastoid cell lines from Chediak--Higashi syndrome. Tanaka H, et al. **Mutat Res** 1980 Aug; 72(1):143–50
The effects of lexA101, recB21, recF143 and uvrD3 mutations on liquid-holding recovery in ultraviolet-irradiated Escherichia coli K12 recA56. Tang MS, et al. **Mutat Res** 1981 Jan;80(1):15–25
X-ray sensitization of chromatids with unifilarly and bifilary substituted DNA. Wolff S, et al. **Mutat Res** 1981 Jan; 80(1):133–40
The importance of intratumor temperature uniformity in the study of radiosensitizing effects of hyperthermia in vivo. Gibbs FA Jr, et al. **Radiat Res** 1981 Jul;87(1):187–97
Combined radiation-protective and radiation-sensitizing agents: II. Radiosensitivity of hypoxic or aerobic Chinese hamster fibroblasts in the presence of cysteamine and misonidazole: implications for the 'oxygen effect' (with appendix on calculation of dose-modifying factors). Koch CJ, et al. **Radiat Res** 1981 Aug;87(2):265–83
Interaction of nitroimidazole sensitizers and oxygen in the radiosensitization of mammalian cells at ultrahigh dose rates. Michaels HB, et al. **Radiat Res** 1981 Mar;85(3):567–82
Effects of hyperthermia on repair of radiation-induced DNA strand breaks. Mills MD, et al. **Radiat Res** 1981 Aug; 87(2):314–28
In vivo and in vitro radiosensitivities of newly established mouse ascites tumors. Okamoto M, et al. **Radiat Res** 1981 Mar;85(3):597–603
Evidence for an unconventional radiosensitivity of rat 9L subcutaneous tumors. Wallen CA, et al. **Radiat Res** 1980 Dec;84(3):529–41
Influence of hypoxia and acidity on thermal radiosensitization and direct heat-induced death of BP-8 sarcoma cells. Mivechi NF, et al. **Radiology** 1981 Feb;138(2):465–71
In vitro radiosensitivity of human leukemia cell lines. Weichselbaum RR, et al. **Radiology** 1981 May;139(2):485–7
DNA radiosensitivity in carcinoma of the human cervix. Ono T, et al. **Strahlentherapie** 1981 Jan;157(1):33–6
[Variability of the dose effect in the radio-biologic experimentation on animals. Second communication: influence of breed, sex, age as well as of infections on death rates and LD 50 values (author's transl)] Peters R, et al. **Strahlentherapie** 1981 Feb;157(2):114–23 (Eng. Abstr.) **(Ger)**
[Variability of the dose effect in the radio-biologic experimentation on animals. Third communication: Influence of breed, sex, age as well as radiation dose on body weight and survival time in days after whole-body irradiation of Wistar and Siv-50 rats (author's transl)] Peters R, et al. **Strahlentherapie** 1981 Feb;157(2):124–33 (Eng. Abstr.) **(Ger)**
[Studies on radioresistance with HeLa cells: on the variations of n, Do, and Dq values of the radioresistant HeLa strains (author's transl)] Koiwai S, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1980 Jun;40(6):592–7 (Eng. Abstr.) **(Jpn)**
[Genetic effects of N-nitroso-N-methylurea on Saccharomyces cerevisiae. II. Effect of radiosensitivity mutations on lethal and mutagenic effects] Iadgarov KhT. **Genetika (Moskva)** 1981;17(3):405–10 (Eng. Abstr.) **(Rus)**
[Radiosensitive Drosophila lines. III. The influencing of rad(2)201G1 mutation on the expression of damaging radiation effects in the oocytes of females] Khromykh IuM. **Genetika (Moskva)** 1981;17(4):667–76 (Eng. Abstr.) **(Rus)**
[Radiosensitive Drosophila lines. II. Identification of the mutant chromosome 2 genes that control mutagen sensitivity] Khromykh IuM, et al. **Genetika (Moskva)** 1981; 17(4):658–66 (Eng. Abstr.) **(Rus)**
[Analysis of somatic mosaicism in the Drosophila melanogaster radiosensitive mutant rad(2)201G1] Mikheev VS, et al. **Genetika (Moskva)** 1981;17(6):1126–8 (Eng. Abstr.) **(Rus)**
[Effect on cell genotype on thermal radiosensitization of yeast] Petin VG, et al. **Genetika (Moskva)** 1980;16(1):95–102 (Eng. Abstr.) **(Rus)**
[Relationship between an organism's radiosensitivity and its level of repair processes] Tikhomirova MM. **Genetika (Moskva)** 1980 Apr;16(4):628–33 (Eng. Abstr.) **(Rus)**
[Effect of an attenuated geomagnetic field on the resistance of Escherichia coli to ultraviolet rays] Alferov OA, et al. **Kosm Biol Aviakosm Med** 1981 Jun-Jul;15(4):57–8 (Eng. Abstr.) **(Rus)**
[Changes in the bodily reactivity of animals as a result of prolonged rotation] Arlashchenko NI, et al. **Kosm Biol Aviakosm Med** 1980 Nov-Dec;14(6):51–4 (Eng. Abstr.) **(Rus)**
[Radiosensitivity of regenerating blood vessels] Balmukhanov SB, et al. **Med Radiol (Mosk)** 1981 Feb;26(2):44–6 (Eng. Abstr.) **(Rus)**
[Radiosensitivity assessment of Walker carcinosarcoma and its affinity line by clone formation in the lungs] Ismailov BI. **Med Radiol (Mosk)** 1981 Jun;26(6):59–60 **(Rus)**
[Definition of a target function for the goal of determining the optimal physical conditions of irradiation using tolerant dosage values in normal organs and tissues] Klepper LIa. **Med Radiol (Mosk)** 1981 Jan;26(1):52–7 (Eng. Abstr.) **(Rus)**
[Radiosensitivity of the stromal precursor cells (CFUf) found in the bone marrow of bone sarcoma patients] Kolesnikova AI, et al. **Med Radiol (Mosk)** 1980 Oct;25(10):48–51 (Eng. Abstr.) **(Rus)**
[Reaction of resting L5178Y-S and L5178Y-R cells differing in radiosensitivity to irradiation and hydroxyurea exposure] Afanas'ev GG, et al. **Radiobiologiia** 1981 Jan-Feb; 21(1):81–5 (Eng. Abstr.) **(Rus)**
[In vitro radiation sensitivity of lipoxygenase systems] Borisova IG, et al. **Radiobiologiia** 1981 Jan-Feb;21(1):58–62 (Eng. Abstr.) **(Rus)**
[Evaluation of the importance of adrenal cortical functional indices for predicting individual radiosensitivity. 1. Methodological approaches to predicting individual radiosensitivity by an indirect index of adrenal cortical function] Darenskaia NG, et al. **Radiobiologiia** 1981 Jan-Feb;21(1):86–90 (Eng. Abstr.) **(Rus)**
[Evaluation of the importance of adrenal cortical functional activity indices for predicting individual radiosensitivity of animals. 2. The prediction of the individual radiosensitivity of monkeys by direct and indirect indices of adrenal cortical functional activity] Darenskaia NG, et al. **Radiobiologiia** 1981 Jan-Feb;21(1):145–8 (Eng. Abstr.) **(Rus)**
[Radiosensitivity of synchronous and asynchronous cultures of the myxomycete, Physarum polycephalum in gamma irradiation] Gushcha NI, et al. **Radiobiologiia** 1980 Nov-Dec;20(6):892–6 (Eng. Abstr.) **(Rus)**
[Differences in the radiosensitivity of common field mice depending on population habitat conditions] Il'enko AI, et al. **Radiobiologiia** 1980 Jul-Aug;20(4):619–23 (Eng. Abstr.) **(Rus)**
[Radiosensitivity of mouse bone marrow cells that form granulocyte-macrophage colonies in diffusion chambers] Kolesnikova AI, et al. **Radiobiologiia** 1980 Nov-Dec; 20(6):908–10 (Eng. Abstr.) **(Rus)**
[Graded blood loss and rat radiosensitivity] Korotkevich AO, et al. **Radiobiologiia** 1980 Sep-Oct;20(5):776–8 (Eng. Abstr.) **(Rus)**
[Interval between doses in repeated irradiation and the portion of surviving cells] Kozubek S, et al. **Radiobiologiia** 1980 Nov-Dec;20(6):866–70 (Eng. Abstr.) **(Rus)**
[Cyclic nucleotides and radioresistance. 4. The role of cyclic nucleotides in the radioresistance of E. coli] Kulinskiĭ VI, et al. **Radiobiologiia** 1980 Nov-Dec;20(6):855–61 (Eng. Abstr.) **(Rus)**
[Cyclic nucleotides and radioresistance. 5. The radioresistance of E. coli cultivated on different culture media and cyclic nucleotides] Kulinskiĭ VI, et al. **Radiobiologiia** 1981 Mar-Apr;21(2):224–31 (Eng. Abstr.) **(Rus)**
[Effect of a magnetic field on oxygen tension, radiosensitivity, and the growth of experimental tumors] Liu BN, et al. **Radiobiologiia** 1981 Mar-Apr;21(2):255–61 (Eng. Abstr.) **(Rus)**
[Correlation of the radiosensitivity of plants with their metabolic indices] Magomedov MA, et al. **Radiobiologiia** 1980 Nov-Dec;20(6):897–901 (Eng. Abstr.) **(Rus)**
[Radiosensitivity of erythropoietin-independent erythroid precursors of mouse bone marrow] Manakova TE, et al. **Radiobiologiia** 1980 Nov-Dec;20(6):916–8 (Eng. Abstr.) **(Rus)**
[Radioresistance of the legume family (Fabaceae Lindl) at various taxonomic levels] Preobrazhenskaia EI. **Radiobiologiia** 1980 Jul-Aug;20(4):628–33 (Eng. Abstr.) **(Rus)**
[Radiosensitivity of resting and proliferating cells irradiated with fast neutrons] Bardik IuV, et al. **Tsitol Genet** 1980 Sep-Oct;14(5):43–7 (Eng. Abstr.) **(Rus)**
[Factors that control stem cell differentiation. II. The sensitivity of T-differentiated lymphocytes to the action of radiation and cytostatics] Man'ko VM, et al. **Tsitologiia** 1981 Mar;23(3):333–9 (Eng. Abstr.) **(Rus)**
[Autoradiography of the DNA of lysed, UV-irradiated cells in Chinese hamster cultures differing in UV sensitivity] Vikhanskaia FL, et al. **Tsitologiia** 1981 May;23(5):593–5 **(Rus)**
[Assessment of the radiosensitivity of laryngeal cancer] Smirnova IN. **Vestn Otorinolaringol** 1981;(3):70–4 (Eng. Abstr.) **(Rus)**
[Superoxide dismutase--radiobiologic significance and possibilities (review)] Gusev VA, et al. **Vopr Med Khim** 1980 May-Jun;26(3):291–301 (77 ref.) (Eng. Abstr.) **(Rus)**

RADIATION, VISIBLE see **LIGHT**

RADICAL NECK DISSECTION

Evolution of the clinically negative neck. Skolnik EM, et al. **Ann Otol Rhinol Laryngol** 1980 Nov-Dec;89(6 Pt 1):551–5
The irradiated radical neck dissection in squamous carcinoma: a clinico-pathological study. Tanner NS, et al. **Clin Otolaryngol** 1980 Aug;5(4):259–71
'How I do it'--plastic surgery. Practical suggestions on facial plastic surgery. Trapezius myocutaneous island flap. Gantz BJ, et al. **Laryngoscope** 1981 Jul;91(7):1196–9
[Secondary metastases after neck dissection (author's transl)] Katić V, et al. **Laryngol Rhinol Otol (Stuttg)** 1980 Oct; 59(10):649–51 (Eng. Abstr.) **(Ger)**
[Venous anastomosis after bilateral radical cervical lymphadenectomy (author's transl)] Kowalik S. **Otolaryngol Pol** 1981;35(1):1–5 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Occurrence, duration and prognosis of unexpected accessory nerve paresis in radical neck dissection. Carenfelt C, et al. **Acta Otolaryngol (Stockh)** 1980 Nov-Dec;90(5–6):470–3
Myositis ossificans following radical neck dissection. Shugar MA, et al. **Ann Otol Rhinol Laryngol** 1981 Mar-Apr;90(2 Pt 1):169–71
Bilateral chylothorax. Rare complication of neck dissection.

Saraceno CA, et al. **Arch Otolaryngol** 1981 Aug; 107(8):497–9

[Complications and management of 307 cases of oral maxillofacial carcinoma after radical dissection of cervical lymph node] Zhang MY. **Chung Hua Kou Chiang Ko Tsa Chih** 1980 Dec;15(4):234–7 **(Chi)**

[Treatment of postoperative lymphorrhea due to thoracic duct injury during radical neck dissection] Alajmo E, et al. **Rev Laryngol Otol Rhinol (Bord)** 1980 May–Jun; 101(5–6):203–7 (Eng. Abstr.) **(Fre)**

METHODS

Retrospective comparison of conservative and radical neck dissection in laryngeal cancer. Molinari R, et al. **Ann Otol Rhinol Laryngol** 1980 Nov–Dec;89(6 Pt 1):578–81

Posterolateral neck dissection. Goepfert H, et al. **Arch Otolaryngol** 1980 Oct;106(10):618–20

Post-cricoid carcinoid: end results of treatment by radical surgery and plastic tube repair. Stuart DW. **J R Soc Med** 1979 Oct;72(10):724–8

[A report of 140 cases of radical dissection of lymph nodes in neck (author's transl)] Zhao FY. **Chung Hua Kou Chiang Ko Tsa Chih** 1980 Feb;15(2):99–102 **(Chi)**

[An improved technique in radical neck dissection with report of long-term results in 334 cases (author's transl)] Li ZQ. **Chung Hua Wai Ko Tsa Chih** 1979;17(5):361–4 **(Chi)**

MORTALITY

Bilateral radical neck dissection. Razack MS, et al. **Cancer** 1981 Jan 1;47(1):197–9

Simultaneous bilateral neck dissection. Razack MS, et al. **J Surg Oncol** 1980;15(4):387–92

TRENDS

Head and neck surgery--1960 to 1980. Conley J. **Arch Otolaryngol** 1980 Nov;106(11):660–1

RADICULAR CYST

PATHOLOGY

Histologic evaluation of periapical areas of endodontically treated teeth with unsuccessful healing. Hakala PE, et al. **Proc Finn Dent Soc** 1980;76(5–6):253–61

SURGERY

Unusual management problems in the treatment of a long-standing destructive periapical cyst. Report of a case. Cassella EA, et al. **Oral Surg** 1981 Jan;51(1):93–8

ULTRASTRUCTURE

A light- and electron-microscopic study of smooth muscle-like cells in the walls of radicular (dental) cysts in man. Lee KW, et al. **Arch Oral Biol** 1980;25(6):403–8

RADICULITIS

COMPLICATIONS

Acute urinary retention due to sacral myeloradiculitis. Vanneste JA, et al. **J Neurol Neurosurg Psychiatry** 1980 Oct;43(10):954–6

Facial myokymia in the course of lymphocytic meningoradiculitis: case report. Gemignani F, et al. **Neurology (NY)** 1981 Sep;31(9):1177–80

DIAGNOSIS

[Early detection of hypesthesia in discogenic lumbosacral radiculitis] Komarov VA. **Zh Nevropatol Psikhiatr** 1981; 81(4):487–8 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Neuropathy in thoracic scoliosis. Kaplan PE, et al. **Acta Orthop Scand** 1980 Apr;51(2):263–6

[Nerve root syndromes by spontaneous intradural hematoma during anticoagulation therapy (author's transl)] Oh S, et al. **Praxis** 1981;70(23):1033–5 (Eng. Abstr.) **(Ger)**

[Case of recurrent encephalomyeloradiculomeningitis after coxsackievirus infection] Godlewski A, et al. **Neurol Neurochir Pol** 1981 Mar–Apr;15(2):223–5 (Eng. Abstr.) **(Pol)**

OCCURRENCE

[Social hygiene characteristics of the temporary work incapacity of railroad workers in relation to lumbosacral radiculitis morbidity] Zavodnova ZI. **Gig Tr Prof Zabol** 1980 Nov;(11):49–52 **(Rus)**

PATHOLOGY

Rabies encephaloradiculomyelitis. Case report. Lamas CC, et al. **Acta Neuropathol (Berl)** 1980;51(3):245–7

PHYSIOPATHOLOGY

[The peculiarities of the iliosacral joints] Schlenzka W. **MMW** 1980 Aug 8;122(32–33):1133–4 **(Ger)**

[Peripheral hemodynamic state according to rheovasographic data in lumbosacral radiculitis] Gaft PG, et al. **Vrach Delo** 1980 Sep;(9):82–3 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

[Clinical and radiological diagnosis of the C-8 syndrome] Henger H, et al. **Zentralbl Chir** 1980;105(12):791–3 **(Ger)**

THERAPY

[Effectiveness of treatment of lumbosacral radiculitis at a sanatorium] Kirkin EM, et al. **Voen Med Zh** 1981 Jan; (1):60–1 **(Rus)**

[Submersion spinal traction in the overall treatment of lumbosacral radiculitis] Nakhapetov BA, et al. **Voen Med Zh** 1980 Sep;(9):65–6 **(Rus)**

[Treatment of lumbosacral radiculitis with Matsesta baths and mud applications] Tursunkhodzhaev TL, et al. **Voen Med Zh** 1980 Aug;(8):61–2 **(Rus)**

[Treatment of lumbosacral radiculitis with radon baths combined with other physiotherapeutic methods] Bubnov AN, et al. **Vrach Delo** 1981 Jan;(1):100–1 (Eng. Abstr.) **(Rus)**

[Late results in treating lumbosacral radiculitis (based on the findings of the Neurology Department of the L'vov Railroad Workers' Clinical Hospital)] Zavodnova ZI. **Zh Nevropatol Psikhiatr** 1980;80(8):1143–8 (Eng. Abstr.) **(Rus)**

RADIO

Pseudohallucinations: radio reception through shrapnel fragments [letter] Boza RA, et al. **Am J Psychiatry** 1981 Sep;138(9):1263–4

Taking health to the airwaves. Welsh JS. **Am Pharm** 1980 Nov;20(11):25

General practitioner in the media. Dolman B. **Br Med J [Clin Res]** 1981 Apr 4;282(6270):1123–4

Reaching the poor: human sexuality education in costa rica. Risopatron F, et al. **J Commun** 1980 Autumn;30(4):81–9

Family physicians and radio broadcasting. Martin M. **J Fam Pract** 1980 Oct;11(4):665–6

Doctor on the air. Rogers A. **J R Coll Gen Pract** 1980 Oct; 30(219):629–31

A review of three years experience of medical advice to seafarers by the Casualty Officer, Royal Naval Hospital Plymouth, via Portishead radio (W/T Medico Portishead). Brayley NF. **J R Nav Med Serv** 1980 Summer;66(2):93–106

The use of radio broadcasts in the prevention of food poisoning outbreaks. Williams D. **R Soc Health J** 1981 Apr; 101(2):78–9

Radio amateurs in the classroom. Harada A, et al. **Spec Educ Forward Trends** 1980 Sep;7(3):33

A veterinarian's guide to the media. Rosenberg MA. **VM SAC** 1981 Jun;76(6):906–7

[Possibility of using bone conduction for radio communication] Kostrov NI, et al. **Voen Med Zh** 1980 Nov; (11):57–8 **(Rus)**

INSTRUMENTATION

Antenna-to-input stage matching for lowest noise figure in animal-tracking receivers. Potgieter JJ. **Biotelem Patient Monit** 1980;7(3–4):199–205

A three channel radio-controlled brain-stimulator for unrestrained animals. Bellomo A, et al. **Boll Soc Ital Biol Sper** 1979 May 15;55(9):854–9

Clinical uses of radio pills. Watson BW. **Br J Hosp Med** 1981 Jun;25(6):618, 620–1, 623–4

A new pressure-sensitive ingestible radio-telemetric capsule. Browning C, et al. **Lancet** 1981 Sep 5;2(8245):504–5

RADIO-HIPPURAN see **IODOHIPPURIC ACID**

RADIO WAVES

see related
RADAR

Self-conversion of paroxysmal atrial tachycardia by radio-frequency-triggered pacemaker. Geleris P, et al. **Ann Thorac Surg** 1980 Aug;30(2):177–86

Heating techniques in hyperthermia. II. Non-ionizing electromagnetic waves. Hand JW. **Br J Radiol** 1981 Jun; 54(642):446–59 (82 ref.)

Treatment of bovine and equine ocular squamous cell carcinoma by radiofrequency hyperthermia. Grier RL, et al. **J Am Vet Med Assoc** 1980 Jul 1;177(1):55–61

Radio frequency hyperthermia of advanced human sarcomas. Storm FK, et al. **J Surg Oncol** 1981;17(2):91–8

Endpoint detection of heterotopic grafted rat hearts using an implanted transmitter. Groeneveld WH, et al. **J Surg Res** 1981 Jul;31(1):82–6

6-Hydroxydopamine and radiofrequency lesions of the lateral entorhinal cortex facilitate an operant appetitive conditioning task in mice. Gauthier M, et al. **Neurosci Lett** 1981 Jul 2;24(2):193–7

Automatic 'scanning' by radiofrequency in the long-term electrical treatment of arrhythmias. Critelli G, et al. **PACE** 1979 May;2(3):289–96

The use of time domain spectroscopy to measure the dielectric properties of mouse brain at radio wave and microwave frequencies. Nightingale NR, et al. **Phys Med Biol** 1980 Nov;25(6):1161–5

[A preliminary report on the combined X-ray and ultra high frequency (microwave) hyperthermia treatment of malignant diseases (author's transl)] Li DJ. **Chung Hua Fang She Hsueh Tsa Chih** 1981 Feb;15(1):4–7 **(Chi)**

[Percutaneous radiofrequency thermocoagulation of Gasser's ganglion in the treatment of trigeminal neuralgia] Spaziante R, et al. **Acta Neurol (Napoli)** 1981 Feb;36(1):325–32 **(Ita)**

[Percutaneous radiofrequency thermocoagulation of Gasser's ganglion in the treatment of trigeminal neuralgia] Spaziante R, et al. **Acta Neurol [Quad] (Napoli)** 1981;42:325–32 **(Ita)**

[Treatment using radiofrequency stimulation of supraventricular paroxysmal tachycardia in W.P.W. syndrome] De Benedictis N, et al. **Minerva Med** 1981 Jan 28;72(3):147–50 (Eng. Abstr.) **(Ita)**

[Microwave radiation sources requiring periodic or sporadic hygienic control] Aniołczyk H. **Med Pr** 1980;31(2):155–63 (Eng. Abstr.) **(Pol)**

[Percutaneous chordotomy with radiofrequency: results in 62 surgical cases] Guelmann JM. **Arq Neuropsiquiatr** 1980 Sep;38(3):223–30 (Eng. Abstr.) **(Por)**

[Certain features of the effects of microwaves on bilayer membranes modified by gramicidin] Alekseev SI, et al. **Biofizika** 1980 Jul–Aug;25(4):735–6 (Eng. Abstr.) **(Rus)**

[Thermal state of the body following exposure to UHF radiation] Ivanov VK, et al. **Biofizika** 1980 Nov–Dec; 25(6):1060–3 (Eng. Abstr.) **(Rus)**

[Combined effect of UHF-hyperthermia and x-irradiation on the growth of sarcoma 45] Ul'ianenko SE, et al. **Biull Eksp Biol Med** 1981 Apr;91(4):471–3 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Exposure to radio-frequency radiation from an aircraft radar unit. Williams RA, et al. **Aviat Space Environ Med** 1980 Nov;51(11):1243–4

Noise, radio frequency radiation and the cardiovascular system. Resnekov L. **Circulation** 1981 Jan;63(1):264A–266A (29 ref.)

Radiofrequency neurolysis in a clinical model. Neuropathological correlation. Smith HP, et al. **J Neurosurg** 1981 Aug;55(2):246–53

Chronic exposure of rats to 100-MHz (CW) radiofrequency radiation: assessment of biological effects. Smialowicz RJ, et al. **Radiat Res** 1981 Jun;86(3):488–505

[Biophysics of non-ionizing radiations and results of animal experimentation] Checcucci A. **Ann Ist Super Sanita** 1980; 16(3):407–21 **(Ita)**

[Medical repercussions of non-ionizing radiations on the environment: introduction to the problem] Dardanoni L. **Ann Ist Super Sanita** 1980;16(3):401–6 **(Ita)**

[Action of UHF microwaves on the germ and somatic cells of mammals] Ramaiia LK, et al. **Tsitol Genet** 1980 Nov–Dec;14(6):3–8 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Dielectric behavior of selected animal tissues in vitro at frequencies from 2 to 4 GHz. Brady MM, et al. **IEEE Trans Biomed Eng** 1981 Mar;28(3):305–7

INSTRUMENTATION

RF-powered cage system for implant biotelemetry. Ko WH, et al. **IEEE Trans Biomed Eng** 1980 Aug;27(8):460–7

RADIOACTIVE FALLOUT

Low-level radiation and infant mortality. Fuchs VR. **Health Phys** 1981 Jun;40(6):847–54

Effect of rototilling on the distribution of cesium-137 in Trinity Site soil. Hakonson TE, et al. **Health Phys** 1981 May;40(5):735–9

60Co and 137Cs long-term biological removal rate constants for the Marshallese population. Miltenberger RP, et al. **Health Phys** 1981 May;40(5):615–23

Whole body counting results from 1974 to 1979 for Bikini Island residents. Miltenberger RP, et al. **Health Phys** 1980 Sep;39(3):395–407

Stratospheric residence times from plateout measurements. Mishra UC, et al. **Health Phys** 1980 Nov;39(5):815–9

Projected dose commitment from fallout contamination in milk resulting from the 1976 Chinese atmospheric nuclear weapons test. Simpson RE, et al. **Health Phys** 1981 May; 40(5):741–4

Leukemia in the Nevada 'Smoky' bomb test [editorial] Bond VP, et al. **JAMA** 1980 Oct 3;244(14):1610

Leukemia among participants in military maneuvers at a nuclear bomb test. A preliminary report. Caldwell GG, et al. **JAMA** 1980 Oct 3;244(14):1575–8

ANALYSIS

Fallout of cesium-137 on a forest ecosystem in the vicinity of a nuclear fuel reprocessing plant. Adriano DC, et al. **Health Phys** 1981 Mar;40(3):369–76

Measurements of the deposition of iodine onto vegetation and of the biological half-life of iodine on vegetation. Heinemann K, et al. **Health Phys** 1980 Sep;39(3):463–74

Distribution of fallout plutonium in Southern Finns. Mussalo H, et al. **Health Phys** 1980 Aug;39(2):245–55

RADIOACTIVE POLLUTANTS

Assessing the risk of exposure to radioactivity. Crawford DJ, et al. **Am Sci** 1980 Sep–Oct;68(5):524–36

ADVERSE EFFECTS

Iodine isotopes in radiation hygiene. Vasilenko IY. **J Hyg Epidemiol Microbiol Immunol (Praha)** 1980; 24(2):142–9 (50 ref.)

ANALYSIS

Methods of dose evaluation for incorporation of radionuclides: applicability to environmental chemicals. Butler GC. **Ecotoxicol Environ Safety** 1980 Dec;4(4):384–92

Radionuclide behavior in coal–fired plants. Pacyna JM. **Ecotoxicol Environ Safety** 1980 Sep;4(3):240–51

Small quantities of 131I in thyroids of sheep from Wales. Van Middlesworth L. **Health Phys** 1981 Apr;40(4):525–7

Debate over waste imperils 3–mile cleanup. Carter LJ. **Science** 1980 Oct 10;210(4466):166–8, 170

[Radioruthenium in the environment (author's transl)] Iwashima K, et al. **Radioisotopes** 1979 Mar;28(3):184–93 (86 ref.) **(Jpn)**

[Measurement of 131I concentration in saliva of a patient and monitoring of exposure and contamination in a ward (author's transl)] Maekoshi H, et al. **Radioisotopes** 1979 Mar;28(3):180–3 **(Jpn)**

RADIOACTIVE TRACERS see under **RADIOISOTOPES**

RADIOACTIVE WASTE

Technique for removal of radioactive components from aqueous radioactive wastes [letter] Fletcher J, et al. **Clin Chem** 1981 Jul;27(7):1308–9

Nuclear waste disposal [letter] Saxenmeyer G. **Environ Health Perspect** 1981 Jan;37:202–4

Abstracts of papers presented at the 7th regional congress of IRPA/13th annual conference of the Fachverband Für Strahlenschutz 'Radioactive Wastes,' Cologne, F.R.G., 16–19 October, 1979. **Health Phys** 1981 Feb;40(2):269–76

Some specifics on specific activity [letter] Barton TP, et al. **Health Phys** 1980 Apr;38(4):715–6

Loose rock as biobarriers in shallow land burial. Cline JF, et al. **Health Phys** 1980 Sep;39(3):497–504

The status of radioactive waste management: needs for reassessment. Eisenbud M. **Health Phys** 1981 Apr; 40(4):429–37

Radionuclide concentrations in waterfowl using a liquid radioactive waste disposal area and to the potential radiation dose to man. Halford DK, et al. **Health Phys** 1981 Feb;40(2):173–81

Solidification of low–level waste––a dilemma for the small user. Harris S, et al. **Health Phys** 1980 Nov;39(5):812–5

Radionuclides at the U.S. radioactive waste disposal site near the Farallon Islands. Schell WR, et al. **Health Phys** 1980 Sep;39(3):475–96

Disposal of radioactive contaminated pathological waste incinerator. Taylor RA, et al. **Health Phys** 1981 Jun; 40(6):902–4

Closing radioactive waste sites: the other side of the coin [editorial] Alexander LL. **J Natl Med Assoc** 1980 Nov; 72(11):1041–2

Debate over waste imperils 3–mile cleanup. Carter LJ. **Science** 1980 Oct 10;210(4466):166–8, 170

A new irradiation effect and its implications for the disposal of high–level radioactive waste. Hirsch EH. **Science** 1980 Sep 26;209(4464):1520–2

Radioactive waste: the problem of plutonium. Krugmann H, et al. **Science** 1980 Oct 17;210(4467):319–21

NRC plans to deregulate bic·nedical waste [news] Marshall E. **Science** 1980 Dec 12;210(4475):1228–9

Geologic storage of radioactive waste: field studies in Sweden. Witherspoon PA, et al. **Science** 1981 Feb 27; 211(4485):894–900

[Effectiveness of recovering 131I from gaseous wastes] Pogodin RI, et al. **Gig Sanit** 1980 Dec;(12):70–1 **(Rus)**

ANALYSIS

[Residual activity in syringes after the injection of radiopharmaceuticals (author's transl)] Saegusa K, et al. **Radioisotopes** 1980 Apr;29(4):208–14 **(Jpn)**

RADIOACTIVITY

Induced radioactivity in patients from betatron irradiation. Bennett GW, et al. **Br J Radiol** 1981 Jan;54(637):53–6

Some specifics on specific activity [letter] Barton TP, et al. **Health Phys** 1980 Apr;38(4):715–6

Radioactive well logging: a review and an analysis of Texas incidents. Jones MF, et al. **Health Phys** 1981 Mar; 40(3):361–8

Radioactivity of building materials and the gamma radiation in dwellings. Stranden E. **Phys Med Biol** 1979 Sep; 24(5):921–30

[Radioactive nuclides and radiation data in use for radioactive/sealed radiation standards (author's transl)] Hashizume A, et al. **Radioisotopes** 1980 Dec;29(12):632–47 **(Jpn)**

[Half value thickness and tenth value thickness of radionuclides in hospitals and medical research institutes (author's transl)] Orito T, et al. **Radioisotopes** 1981 Jan; 30(1):52–5 **(Jpn)**

[Radioactive and radiation standards. (1) Radioactive standards and their use (author's transl)] Yura O, et al. **Radioisotopes** 1979 Mar;28(3):206–14 **(Jpn)**

[Replacement of the radioactivity and absorbed–radiation dose units] Iasnogorodskii VG, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Jan–Feb; (1):69–70 **(Rus)**

HISTORY

PET = positron+electron transmutation [letter] Myers WG. **J Nucl Med** 1980 Dec;21(12):1200

METHODS

[Measurement of radioactive B12 absorption by antropogammametry (author's transl)] Murphy CA, et al. **Rev Invest Clin** 1980 Apr–Jun;32(2):173–7 (Eng. Abstr.) **(Spa)**

RADIOALLERGOSORBENT TEST see under **RADIOIMMUNOASSAY**

RADIOAUTOGRAPHY see **AUTORADIOGRAPHY**

RADIOBIOLOGY

see related
NUCLEAR MEDICINE

Abstracts of papers presented at the meeting of the French, Dutch and Belgian radiobiologists, Brussels, 8–9 October 1979. **Int J Radiat Biol** 1980 Jul;38(1):105–21

Netherlands Radiobiological Society. Abstracts of papers. Warman JM, et al. **Int J Radiat Biol** 1980 Oct;38(4):459–64

Some principles of radiobiology: a selective review. Malkinson FD. **J Invest Dermatol** 1981 Jul;77(1):32–8 (91 ref.)

European Society for Radiation Biology. Abstracts of papers for the 15th annual meeting, 25–29 August 1980, Rotterdam. **Radiat Environ Biophys** 1980;17(4):271–381

Heavy ion beam model for radiobiology. Roth RA, et al. **Radiat Res** 1980 Sep;83(3):499–510

[Initial experiences with Mini–Lewe as experimental animals in radiobiology] Magdon E, et al. **Radiobiol Radiother (Berl)** 1980;21(2):168–72 (Eng. Abstr.) **(Ger)**

[Current radioecology problems in light of goals of atomic power engineering] Aleksakhin RM, et al. **Radiobiologiia** 1981 Jan–Feb;21(1):97–108 (35 ref.) (Eng. Abstr.) **(Rus)**

RADIOCHEMISTRY

INSTRUMENTATION

[Fixing substrate for measuring 137Cs activity] Tomilin IuA. **Gig Sanit** 1980 Dec;(12):59 **(Rus)**

RADIOCINEMATOGRAPHY see **CINERADIOGRAPHY**

RADIODERMATITIS

COMPLICATIONS

[Malignant tumors after radiation injuries to the skin and their treatment] Bardychev MS, et al. **Med Radiol (Mosk)** 1980 Nov;25(11):24–8 (Eng. Abstr.) **(Rus)**

ETIOLOGY

[UV radiation as occupational environmental damage (author's transl)] Michailov P, et al. **Derm Beruf Umwelt** 1981;29(1):5–8 (Eng. Abstr.) **(Ger)**

OCCURRENCE

Radiodermatitis in physicians. Carapeto F, et al. **J Dermatol Surg Oncol** 1980 Oct;6(10):846

[Late radiation injuries of the skin and underlying tissues in the treatment of oncological patients] Bardychev MS, et al. **Vopr Onkol** 1980;26(8):59–62 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

[Approaches to the prevention and treatment of skin radiation lesions] Amosov IS, et al. **Med Radiol (Mosk)** 1981 Feb; 26(2):31–6 (Eng. Abstr.) **(Rus)**

[Radioprotective action of total gas hypoxia in local irradiation of the skin] Vainson AA. **Med Radiol (Mosk)** 1981 Jan;26(1):22–5 (Eng. Abstr.) **(Rus)**

SURGERY

Surgical treatment of late radiodermatitis (a four year experience with 53 cases). Donati E, et al. **Ital Gen Rev Dermatol** 1978 Jan–Apr;15(1):25–38

[Rhinoplasty after radiation injuries] Spitalny HH, et al. **Z Plast Chir** 1981 Mar;5(1):49–62 (Eng. Abstr.) **(Ger)**

THERAPY

[Effectiveness of decontaminating skin contaminated by 241Am in concentrated acid] Il'in LA, et al. **Gig Sanit** 1980 Dec;(12):34–7 (Eng. Abstr.) **(Rus)**

RADIOGRAPHIC IMAGE ENHANCEMENT

Comparison of image intensifier photofluorography and full–size radiography in abdominal angiography. Aakhus T, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(1):39–47

Controversy: Mis–use of contrast detail curves. **AJR** 1980 Dec;135(6):1310–5

Enhancement of cerebral infarcts with CT. Caillé JM, et al. **Comput Tomogr** 1980 Apr–Jun;4(2):73–7

Contrast media in body computed tomography: experimental and theoretical background background, present limitations, and proposals for improved diagnostic efficacy. Dean PB. **Invest Radiol** 1980 Nov–Dec;15(6 Suppl):S164–9

Xenon enhanced dynamic computed tomography: multilevel cerebral blood flow studies. Gur D, et al. **J Comput Assist Tomogr** 1981 Jun;5(3):334–40

A novel technique for quantitative autoradiography of labeled histological specimens. Partlow LM, et al. **J Histochem Cytochem** 1981 Jan;29(1):79–83

A precise CT phantom alignment procedure. Schneiders NJ, et al. **Med Phys** 1980 Sep–Oct;7(5):549–50

Noise analysis in isolation of iodine using three energies. Yeh PS, et al. **Med Phys** 1980 Nov–Dec;7(6):636–43

Cause of ring enhancement in computed tomographic image of intracerebral hematomas —an experimental histological study. Takasugi S. **Neurol Med Chir (Tokyo)** 1980 Jul; 20(7):689–700

Analysis of peritumoral edema and contrast enhancement by computerized axial tomography. Suggestive indications for steroid administration in brain tumor. Oi S, et al. **No Shinkei Geka** 1980 Oct;8(10):935–40

A new method for image layer analysis in rotational panoramic radiography. McDavid WD, et al. **Oral Surg** 1981 Aug;52(2):213–20

Intensified tomography: enhancement of soft–tissue discrimination in conventional tomography of the brain. A comparison with computed tomography. Perilhou JR, et al. **Radiology** 1981 Mar;138(3):689–96

Prognostic significance of contrast enhancement in low–grade astrocytomas of the adult cerebrum. Silverman C, et al. **Radiology** 1981 Apr;139(1):211–3

Contrast enhancement of malignant tumors after intravenous polyvinylpyrrolidone with metallic salts as determined by computed tomography. Young SW, et al. **Radiology** 1981 Jan;138(1):97–105

[Contrast enhancement of cerebral infarction in computer tomography (author's transl)] Somerhausen P. **J Belge Radiol** 1980;63(5):561–72 (Eng. Abstr.) **(Fre)**

[Picture quality analysis of x–ray systems using the ROC (receiver operating characteristic) method] Haendle J, et al. **Roentgenpraxis** 1980 Aug;33(8):190–200 **(Ger)**

[Signal–noise relationship, resolution and dose requirement in the quality comparison of newer intensified films in clinical radiology] Knedel H, et al. **Roentgenpraxis** 1981; 34(4):168–75 **(Ger)**

[The method of the ROC curves and their use in radiologic diagnosis] Kuhn H. **Roentgenpraxis** 1980 May;33(5):115–25 **(Ger)**

[Experimental study on patho–mechanism of contrast enhancement of CT in cerebral ischemic lesions in dogs (author's transl)] Yamashita S. **Neurol Med Chir (Tokyo)** 1981 Feb;21(2):233–9 (Eng. Abstr.) **(Jpn)**

[CT of hepatocellular carcinoma: analysis of contrast–enhanced CT using CT arteriography (author's transl)] Nakamura H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Feb; 41(2):108–13 (Eng. Abstr.) **(Jpn)**

[Computed tomography in acute head injuries: experience with contrast enhancement (author's transl)] Aruga T, et al. **No To Shinkei** 1980 Jul;32(7):723–30 (Eng. Abstr.) **(Jpn)**

INSTRUMENTATION

Modification of grey scale in computer tomographic images. Hemmingsson A, et al. **Acta Radiol [Diagn] (Stockh)** 1980; 21(2A):253–5

Clinical comparison between monochrome colour film and black–and–white film. Dahlin H, et al. **Acta Radiol [Suppl] (Stockh)** 1978;356:1–58

A physical assessment of the imaging performance of panel–type X–ray image intensifier. Hay GA, et al. **Br J Radiol** 1981 Jan;54(637):24–8

Use of finite–memory Wiener filters in scintigram processing. Lemort JP, et al. **Eur J Nucl Med** 1980 Oct;5(5):447–52

A nonuniform detector aperture for CT. Henkelman RM, et al. **J Comput Assist Tomogr** 1981 Jun;5(3):401–8

Computer colour enhanced tomography: not new [letter] Dickson RA. **Med J Aust** 1981 Jan 24;1(2):91

Effect of crossover exposure on radiographic image quality of screen–film systems. Doi K, et al. **Radiology** 1981 Jun; 139(3):707–14

Objective performance measurements versus perceived image quality in intensified fluoroscopic or photospot images. Gould RG, et al. **Radiology** 1980 Dec;137(3):783–8

Quantitative and qualitative comparison of two microfocus–tube imaging systems. Gould RG, et al. **Radiology** 1981 Jan;138(1):195–201

Performance evaluation of image–intensifier tubes. Lee D,

et al. **Radiology** 1981 Feb;139(2):455–9
Improved contrast in special procedures using a rotating aperture wheel (RAW) device. Rudin S, et al. **Radiology** 1980 Nov;137(2):505–10
[Comparison of the Perlux–Universal and Perlux–Extrarapid intensifying screen systems in routine radiological diagnosis] Andersson O, et al. **Radiol Diagn (Berl)** 1980; 21(3):409–13 (Eng. Abstr.) **(Ger)**
[Effect of intensifying screens on x-ray exposure contrast] Brandt GA, et al. **Radiol Diagn (Berl)** 1980;21(2):251–9 (Eng. Abstr.) **(Ger)**
[A possibility for three-dimensional intraoperative localization of renal calculi (author's transl)] Heine G, et al. **Radiol Diagn (Berl)** 1980;21(4):545–50 **(Ger)**
[Measurement of check of entrance exposure dose rate of X-ray image intensifier–television with dose rate control (author's transl)] Klein J. **Radiol Diagn (Berl)** 1981; 22(2):231–9 (Eng. Abstr.) **(Ger)**
[Picture quality and radiation exposure in the use of most highly intensifying screens in biliary and renal diagnosis (author's transl)] Schwarz F, et al. **Radiol Diagn (Berl)** 1980; 21(3):315–9 (Eng. Abstr.) **(Ger)**
[Uniformity of a developing machine of the Gevamatic 240 type using test film strips in a radiologic practice] Bregulla W, et al. **Roentgenpraxis** 1980 May;33(5):126–31 **(Ger)**
[Modern film screen systems of rare earths in clinical radiology] Freyschmidt J. **Roentgenpraxis** 1981; 34(6):227–33 **(Ger)**
[Simultaneous tomography with rare-earth intensifying screen (author's transl)] Dalla Palma L, et al. **Radiol Med (Torino)** 1979 Nov;65(11):813–9 **(Ita)**
[Intensifier fluorography and full-size radiography (author's transl)] Renda F, et al. **Radiol Med (Torino)** 1981; 67(3):153–8 **(Ita)**
[Contact-free brightness stabilizer for the RUM-20 x-ray diagnostic unit with image intensifier] Astaev RN, et al. **Med Tekh** 1981 May–Jun;(3):13–8 (Eng. Abstr.) **(Rus)**
[Use of the moiré effect in the quality control of x-ray screening grids] Grosta G. **Vestn Rentgenol Radiol** 1981 Jan–Feb;(1):70–3 (Eng. Abstr.) **(Rus)**
[Means of increasing the information content of mammography on general-use x-ray apparatus] Rozhkova NI, et al. **Vestn Rentgenol Radiol** 1981 Mar–Apr;(2):75–80 **(Rus)**

METHODS

Lumbar myelography with metrizamide: supplemental techniques. Ahn HS, et al. **AJR** 1981 Mar;136(3):547–51
Improved retrograde ileography with glucagon. Violon D, et al. **AJR** 1981 Apr;136(4):833–4
Early clinical experience with direct peritoneal enhancement for abdominal computed tomography. Roub LW, et al. **Comput Tomogr** 1980 Oct–Dec;4(4):217–24
Bolus infusion CT enhancement as an aid in chemodectoma diagnosis–case report. Orr DP, et al. **CT** 1980 Jun; 4(2):165–7
A bandpass filter for the enhancement of an x-ray reconstruction of the tissue in the spinal canal. Reed IS, et al. **IEEE Trans Biomed Eng** 1980 Dec;27(12):736–8
Quantitation in positron emission computed tomography: 4. Effect of accidental coincidences. Hoffman EJ, et al. **J Comput Assist Tomogr** 1981 Jun;5(3):391–400
A boundary method for attenuation correction in positron computed tomography. Huang SC, et al. **J Nucl Med** 1981 Jul;22(7):627–37
Limitations to iodine isolation using a dual beam non-K-edge approach. Riederer SJ, et al. **Med Phys** 1981 Jan–Feb; 8(1):54–61
Image resolution in dental and maxillofacial radiography with the conventional and 'free focus' imaging concepts. Jensen TW, et al. **Oral Surg** 1981 Jun;51(6):653–61
The use of the image intensifier in phenol lumbar sympathetic block. Eaton AC, et al. **Radiography** 1980 Dec; 46(552):298–300
The effect of mAs variation upon computed tomography image quality as evaluated by in vivo and in vitro studies. Haaga JR, et al. **Radiology** 1981 Feb;138(2):449–54
Modification of the Cockerill technique for the esophageal examination in children. White S, et al. **Radiology** 1981 Feb;138(2):488–90
A strategy for the contrast enhancement of malignant tumors using dynamic computed tomography and intravascular pharmacokinetics. Young SW, et al. **Radiology** 1980 Oct; 137(1 Pt 1):137–47
Intravenous contrast enhancement in computed tomography of pelvic malignancies. Burgener FA, et al. **ROEFO** 1981 Jun;134(6):656–61
[The value of image clarity for diagnostic quality in thoracic radiography] Brandt GA, et al. **Radiol Diagn (Berl)** 1981; 22(2):216–23 (Eng. Abstr.) **(Ger)**
[Gastric secretory inhibitors improve the visibility of gastric mucosal detail in barium studies of the stomach: a controlled clinical trial (author's transl)] Brühlmann W, et al. **ROEFO** 1981 Jun;134(6):681–4 (Eng. Abstr.) **(Ger)**
[Modified CT imaging by reduction factor transformations (author's transl)] Döhring W, et al. **ROEFO** 1981 Apr; 134(4):343–52 (Eng. Abstr.) **(Ger)**
['Static' and dynamic contrast enhancement of the trunk—computer tomography (author's transl)] Hübener KH, et al. **ROEFO** 1980 Oct;133(4):347–54 (Eng. Abstr.) **(Ger)**
[100 mm technique in obstetric radiodiagnosis (author's transl)] Wolf G, et al. **Wien Klin Wochenschr** 1981 Apr 17;93(8):265–8 (Eng. Abstr.) **(Ger)**
[A role of glycerol in contrast enhancement (author's transl)] Moriyama T, et al. **No Shinkei Geka** 1980 Dec; 8(12):1155–62 (Eng. Abstr.) **(Jpn)**
[Usefulness of coronarographic cranial-oblique projections in the diagnosis of coronary disease] Kiesz R, et al. **Kardiol Pol** 1981;24(2):172–80 (Eng. Abstr.) **(Pol)**
[Use of coherent optical spatial filtration for improving the quality of x-ray images] Utiamyshev RI, et al. **Med Tekh** 1981 Mar–Apr;000(2):49–54 (Eng. Abstr.) **(Rus)**

RADIOGRAPHIC MAGNIFICATION

Serial biplane magnification and subtraction myelocisternography: normal and pathologic findings. El Gammal T, et al. **AJNR** 1981 Jan–Feb;2(1):55–63
Evaluation of magnification radiography in bone tumors. Langlotz M, et al. **Arch Orthop Trauma Surg** 1980; 97(2):107–10
The importance of magnification in left ventriculography. Pridie RB, et al. **Br J Radiol** 1980 Jul;53(631):642–6
Abdominal angiography with stereoscopic magnification. Takahashi M, et al. **Cardiovasc Intervent Radiol** 1981; 4(2):83–7
Magnification lymphography. Carr D, et al. **Clin Radiol** 1980 Sep;31(5):535–9
Magnification mammography. Beeckman P, et al. **J Belge Radiol** 1980;63(4):485–9
Dose efficiency and the effects of resolution and noise on detail perceptibility in radiographic magnification. Wagner LK, et al. **Med Phys** 1981 Jan–Feb;8(1):24–32
Focal-spot separation in stereoscopic magnification radiography. Takahashi M, et al. **Radiology** 1981 Jul; 140(1):227–9
[The diagnosis of early changes in the phalanges in primary and secondary hyperparathyroidism by a direct radiological magnification technique] Langer M, et al. **ROEFO** 1980 Jul;133(1):26–9 (Eng. Abstr.) **(Ger)**
[Value of the direct X-ray magnification technique for the assessment of the therapeutic success in osteochondrosis dissecans in the knee-joint (author's transl)] Langer M, et al. **Roentgenblaetter** 1980 Sep;33(9):459–62 (Eng. Abstr.) **(Ger)**
[Diagnosis and follow-up study of osteochondrosis dissecans tali (author's transl)] Langer M, et al. **Unfallheilkunde** 1981 Jan;84(1):37–40 (Eng. Abstr.) **(Ger)**
[Magnification radiography in orthopedics (author's transl)] Langlotz M, et al. **Z Orthop** 1980 Dec;118(6):831–7 (Eng. Abstr.) **(Ger)**
[Neuroradiologic detail diagnosis—magnification angiography] Molsen HP. **Zentralbl Neurochir** 1980; 41(2):99–108 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

Quantitative and qualitative comparison of two microfocus-tube imaging systems. Gould RG, et al. **Radiology** 1981 Jan;138(1):195–201
[The importance of rare-earth intensifying screen for picture magnification (author's transl)] Chudáček Z. **Cesk Radiol** 1980 Sep;34(5):317–21 (Eng. Abstr.) **(Cze)**
[A stereo-anode roentgen tube with a microfocus] Dietz K. **Roentgenpraxis** 1981;34(5):206–15 **(Ger)**
[Soviet x-ray diagnostic units with x-ray image magnifiers] Blinov NN. **Vestn Rentgenol Radiol** 1980 Sep–Oct;(5):68–72 **(Rus)**

METHODS

Direct magnification radiography using conventional radiographic equipment. De Smet AA, et al. **AJR** 1980 Oct;135(4):858–9
Mounting dental radiographs for projection or chairside viewing. Tebrock OC. **J Prosthet Dent** 1981 Apr;45(4):456
Direct magnification in bronchial arteriography. Polák J. **Radiol Diagn (Berl)** 1980;21(3):360–6
Routine magnification lymphangiography with a swinging slot X-ray machine. Castaneda-Zuniga WR, et al. **Radiology** 1980 Oct;137(1 Pt 1):231–4
Further experience with microfocal spot magnification mammography in the assessment of clustered breast microcalcifications. Sickles EA. **Radiology** 1980 Oct;137(1 Pt 1):9–14
[Application of magnification technique in radiologic diagnosis (author's transl)] Zhong GK. **Chung Hua Fang She Hsueh Tsa Chih** 1981 Feb;15(1):60–2 **(Chi)**
[Image quality from direct radiological magnification (author's transl)] Franken T, et al. **ROEFO** 1980 Mar; 132(3):320–5 (Eng. Abstr.) **(Ger)**
[Direct magnification in orbital arteriography] Bassi P, et al. **Radiol Med (Torino)** 1980 Jan–Feb;66(1–2):47–51 **(Ita)**

RADIOGRAPHY

see related
CONTRAST MEDIA
EXTRAVASATION OF CONTRAST MEDIA

Characteristics of commonly utilized permanent endocardial and epicardial pacemaker electrode systems: method of radiologic identification. Chun PK. **Am Heart J** 1981 Sep; 102(3 Pt 1):404–14
Radiology. Is reporting important? Mackintosh CE. **Br J Hosp Med** 1980 Sep;24(3):259
Radiology. What is relevant? Mackintosh CE. **Br J Hosp Med** 1980 Nov;24(5):447
The influence of ultrasound on obstetric radiography. A six year study. Meire HB, et al. **Br J Radiol** 1980 Nov; 53(635):1087
Radiation doses in clinical practice. Ellis RE. **Bull Mem Acad R Med Belg** 1979 Oct 27;134(9):419–29
Research in diagnostic radiology: a holistic perspective. Abrams HL. **Clin Radiol** 1981 Mar;32(2):121–8
Netherlands' Society for Radiodiagnosis. 6th General Meeting, held on December 15, 1979, at the Akademisch Ziekenhuis in Utrecht. **Diagn Imaging** 1980;49(4):230–5
Conveyance of information and viewing conditions of X-ray films. van der Zwaag H. **Diagn Imaging** 1980;49(5):287–93
Some medico-legal aspects of diagnostic radiology. Whittaker LR. **East Afr Med J** 1980 Oct;57(10):671–5
Reduction of personnel exposure in diagnostic radiology. Chu WK, et al. **Health Phys** 1981 Jan;40(1):111–3
Contrast material symposium. Papers presented May 26–29, 1979, Colorado Springs, Colorado. **Invest Radiol** 1980 Nov–Dec;15(6 Suppl):S1–344
Comparison of slow scan television and direct viewing of radiographs. Roberts JM, et al. **J Can Assoc Radiol** 1981 Jun;32(2):114–7
Radiologic identification of unknown human remains. Murphy WA, et al. **J Forensic Sci** 1980 Oct;25(4):727–35
The general practitioner's use of diagnostic radiology. Wright HJ, et al. **J R Soc Med** 1979 Feb;72(2):88–94
X-ray examination for legal protection [letter] Grauer K. **JAMA** 1980 Sep 26;244(13):1436–7
Advantage of underweight. Callisen HH, et al. **Med Phys** 1980 Sep–Oct;7(5):559
Monte Carlo simulation studies of detectors used in the measurement of diagnostic x-ray spectra. Chen CS, et al. **Med Phys** 1980 Nov–Dec;7(6):627–35
Noise analysis in isolation of iodine using three energies. Yeh PS, et al. **Med Phys** 1980 Nov–Dec;7(6):636–43
Central-axis depth-dose data for diagnostic radiology. Harrison RM. **Phys Med Biol** 1981 Jul;26(4):657–70
Systems in radiographic management. Bott MJ, et al. **Radiography** 1980 Jun;46(546):133–9
Positioning by fluoroscopy [letter] Ladefoged LA. **Radiography** 1980 Sep;46(549):216
Radiation protection of personnel during paediatric radiodiagnostic examination. Pritchard C. **Radiography** 1980 Jul;46(547):165–9
Radiography in forensic investigations. Sinclair JT. **Radiography** 1980 Apr;46(544):88–92
Presidential address 1980. Management. Wall JJ. , **Radiography** 1980 Nov;46(551):245–9
Improved lighting techniques for reproducing radiographs on 35-mm rapid-process copy film. Molter JP, et al. **Radiology** 1981 Jul;140(1):243
Value judgements in diagnostic radiology: How do we decide? Potchen EJ, et al. **Radiology** 1981 Feb;138(2):501–4
Radiological Society of North America sixty-sixth scientific assembly and annual meeting. Film interpretation session. Singleton EB, et al. **Radiology** 1980 Oct;137(1 Pt 2):16pp.
Film interpretation session: Radiological Society of North America. Sixty-sixth scientific assembly and annual meeting, November 1980. Summary of discussion and diagnoses. Singleton EB, et al. **Radiology** 1980 Dec; 137(3):847–55
[Study on principle of the soft roentgenograph (author's transl)] Cai WM. **Chung Hua Fang She Hsueh Tsa Chih** 1980;14(1):51–5 **(Chi)**
[A factor of exposure deserving attention—the frequency of electric source (author's transl)] Qiu CG. **Chung Hua Fang She Hsueh Tsa Chih** 1980;14(3):225–6 **(Chi)**
[Test of protective materials for diagnostic X-ray (author's transl)] Wang XM. **Chung Hua Fang She Hsueh Tsa Chih** 1980 Nov; 14(4):308–11 **(Chi)**
[Radiologic diagnosis under anesthesia with pentazocine/etomidate (letter)] Hoffmann P, et al. **Anaesthesist** 1981 Mar;30(3):156–7 **(Ger)**
[The determination of the physical parameters of the x-radiation and the trans-irradiated material on the basis of the x-ray film (author's transl)] Proppe D, et al. **Biomed Tech (Berlin)** 1981 Jan–Feb;26(1–2):3–8 (Eng. Abstr.) **(Ger)**
[Possibilities for error in the preparation of radiologic films in the developing machines] Emmerich G. **Roentgenpraxis** 1980 Apr;33(4):96–102 **(Ger)**
[The method of the ROC curves and their use in radiologic diagnosis] Kuhn H. **Roentgenpraxis** 1980 May;33(5):115–25 **(Ger)**
[Requirement for patient information in x-ray diagnosis] Vogel H, et al. **Roentgenpraxis** 1980 Dec;33(12):303–8 **(Ger)**
[Intervention radiology for guided needle aspiration biopsy (author's transl)] Schumann E, et al. **Zentralbl Chir** 1980; 105(9):594–604 (Eng. Abstr.) **(Ger)**
[Drugs adversely affecting X-ray results or the condition of patients to be x-rayed] Bartha L. **Orv Hetil** 1980 Jun 8;121(23):1385–9 **(Hun)**
[6th national congress of the Section of Pediatric Radiology

of the International Society of Radiology and Nuclear Medicine, Bologna, 27–28 October 1979. Proceedings] **Radiol Med (Torino)** 1981 May;67(5):333–85 **(Ita)**

[Stochastic risk estimation from medical x-ray diagnostic examinations. 3. Population doses and population risks from x-ray diagnosis (author's transl)] Hashizume T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Feb; 41(2):132–43 (Eng. Abstr.) **(Jpn)**

[Stochastic risk estimation from medical x-ray diagnostic examinations (author's transl)] Hashizume T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1980 Sep 25; 40(9):885–97 (Eng. Abstr.) **(Jpn)**

[Quantitative evaluation of risks for individuals in diagnostic radiology (author's transl)] Iinuma TA, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1980 May; 40(5):476–84 (Eng. Abstr.) **(Jpn)**

[Right and wrong use of ionizing radiation in medical radiodiagnosis] **Bull Mem Acad R Med Belg** 1979 Oct 27; 134(9):413–560 **(Mul)**

[Certain aspects of formalization of the diagnostic process in a sequential structure of radiological diagnosis model. Part I (author's transl)] Smajkiewicz L, et al. **Pol Przegl Radiol** 1980 Jan–Feb;44(1):33–5 (Eng. Abstr.) **(Pol)**

[Trends in altering the radiation hygiene status in x-ray diagnosis offices] Usol'tsev VI. **Gig Sanit** 1981 May;(5):55–7 **(Rus)**

[Improved methods of planning and coordinating research work in the field of medical radiology and roentgenology (an effort at analysing the structure of information communications)] Tsyb AF, et al. **Med Radiol (Mosk)** 1981 Mar;26(3):64–70 (Eng. Abstr.) **(Rus)**

[Automated discrimination of x-ray images] Mikhaĭlov VA, et al. **Med Tekh** 1981 May–Jun;(3):7–13 (Eng. Abstr.) **(Rus)**

[List of articles on x-ray diagnosis, radioisotope diagnosis, radiation therapy and x-ray radiology subjects published in related clinical journals in 1980] **Vestn Rentgenol Radiol** 1981;(3):83–93 **(Rus)**

[Patent information support for specialists in the field of roentgenology and radiology] Sviridov NK, et al. **Vestn Rentgenol Radiol** 1980 Sep–Oct;(5):76–9 **(Rus)**

ADVERSE EFFECTS

Diagnostic radiation risks [editorial] Sherwood T. **Arch Dis Child** 1980 Apr;55(4):249–51

Radiation hazards: 25 years of collaborative research. Sylvanus Thompson memorial lecture, April 1980. Doll R. **Br J Radiol** 1981 Mar;54(639):179–86

Reply to Mr. Wiatrowski: personnel monitoring in diagnostic radiology [letter] Bushong SC. **Health Phys** 1981 Feb; 40(2):258–9

Occupational exposures in industrial radiography practice. Shenoy KS, et al. **Health Phys** 1981 Mar;40(3):323–6

Do childhood cancers result from prenatal x-rays? Totter JR, et al. **Health Phys** 1981 Apr;40(4):511–24

Chromosomal aberrations in children exposed to diagnostic X-rays. Nordenson I, et al. **Hereditas** 1980;93(1):177–9

Preconception radiation, intrauterine diagnostic radiation, and childhood neoplasia. Shiono PH, et al. **JNCI** 1980 Oct; 65(4):681–6

The Royal Australasian College of Radiologists attitude paper on population exposure to radiation used in diagnostic radiation. **Med J Aust** 1980 Sep 20;2(6):314

Management of radiation hazard: radiology in late pregnancy and the neonate. Carmichael JH. **Obstet Gynecol Surv** 1980 Sep;35(9):552–3

Air embolism as a complication of hip arthrography. McCauley RG, et al. **Skeletal Radiol** 1981;6(1):11–3

Medical radiation exposure and genetic risks. Baker DG. **South Med J** 1980 Sep;73(9):1247–50

[Genetik risk from diagnostic x-ray procedures? A critical evaluation of epidemiologic studies (author's transl)] Stephan G. **ROEFO** 1980 Mar;132(3):336–42 (Eng. Abstr.) **(Ger)**

[Fundamental facts on dosimetry in the assessment of radioexposure and risk of such exposure in children (author's transl)] Borchers HD, et al. **Roentgenblaetter** 1981 Feb;34(2):61–5 (Eng. Abstr.) **(Ger)**

[Rules for physician's behavior following fetal exposure to ionizing radiation or following incorporation of radioactive substances for medical indication] Leppin W. **Strahlentherapie** 1980 Jul;156(7):509–14 **(Ger)**

[Radiographic examinations with iodated contrast media and the iodine test. Usefulness of pharmacological prophylaxis] Cipolla C, et al. **G Clin Med** 1980 Dec;61(12):865–71 (Eng. Abstr.) **(Ita)**

[Stochastic risk estimation from medical x-ray diagnostic examinations. 2. Risk estimates of individuals from x-ray diagnosis (author's transl)] Hashizume T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Jan 25; 41(1):59–70 (Eng. Abstr.) **(Jpn)**

[The risk of neoplasm induction in the Polish population by diagnostic radiological investigations (author's transl)] Jankowski J. **Pol Przegl Radiol** 1980 May–Jun;44(3):189–93 (Eng. Abstr.) **(Pol)**

[Actual possibility of reducing the radiation-induced risk in pediatric radiodiagnosis] Pîrvulescu M. **Rev Pediatr Obstet Ginecol [Pediatr]** 1980 Apr–Jun; 29(2):147–53 **(Rum)**

ECONOMICS

Diagnostic radiologic research: the disincentives to its propagation. Rockoff SD. **Invest Radiol** 1980 Jul–Aug; 15(4):353–5

The roentgenogram as scapegoat [editorial] Pope TL Jr. **South Med J** 1981 Apr;74(4):389–90

[Evaluation of loss of films in radiodiagnosis] Herbinet P, et al. **J Radiol** 1981 Feb;62(2):127–30 **(Fre)**

EDUCATION

A medical-student-oriented radiologic teaching file. Pantoja E, et al. **J Med Educ** 1980 Nov;55(11):967

A retraining programme in radiography. Corr BJ. **Radiography** 1981 Jan;47(553):33–4

Refresher course for radiographers. Drummond A. **Radiography** 1980 Jul;46(547):163–4

A method of assessing the practical ability of student radiographers. Williams PL. **Radiography** 1981 Mar; 47(555):64–6

Notes on the lecture on radiography in orthopaedics to the first year post-graduate orthopaedic nurses Kano, May 1980. Yakubu MB. **Radiography** 1981 Mar;47(555):80–1

Laboratory assignments for teaching radiographic technique. Emery MD. **Radiol Technol** 1980 May–Jun;51(6):801–5

Clinical education: our hope for the future. Greathouse JS. **Radiol Technol** 1980 May–Jun;51(6):751–4

Videorecording in teaching roentgenology at medical faculty. Hlava A, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1980;23(5):607–10

[ROC-analysis in testing and training the interpretation of radiographs with mammography serving as an example (author's transl)] John V, et al. **Radiologe** 1981 May; 21(5):255–9 (Eng. Abstr.) **(Ger)**

[Planning higher medical education and teaching problems in roentgenology and radiology] Lindenbraten LD. **Med Radiol (Mosk)** 1981 Jun;26(6):3–7 (Eng. Abstr.) **(Rus)**

[Postgraduate physician training in roentgenology at the 2d Moscow Medical Institute] Pereslegin IA, et al. **Vestn Rentgenol Radiol** 1981;(3):61–3 **(Rus)**

HISTORY

The Society and College of Radiographers–60 years on. Kinloch J. **Radiography** 1980 Dec;46(552):271–87

Some notable early contributors to radiography–Thompson, Jackson and Campbell Swinton. Ramsey LJ. **Radiography** 1980 Dec;46(552):289–97

[The 1st X-rays taken in France found at th National Academy of Medicine] Theil P. **Bull Acad Natl Med (Paris)** 1980 Nov;164(8):752–6 **(Fre)**

[75th anniversary of the German Roentgen Society] Ratti A. **Radiol Med (Torino)** 1980 Jul–Aug;66(7–8):481–4 **(Ita)**

[Development of the x-ray radiology service in the Mongolian People's Republic] Purévzhav T. **Vestn Rentgenol Radiol** 1981;(3):74–6 **(Rus)**

[50th anniversary of the Department of Roentgenology and Radiology of the Kirov Military Medical Academy] Tiurin EI, et al. **Vestn Rentgenol Radiol** 1981 Mar–Apr;(2):87–9 **(Rus)**

[50th anniversary of the Department of Roentgenology and Radiology of the S. M. Kirov Military Medical Academy] Kishkovskiĭ AN, et al. **Voen Med Zh** 1980 Sep;(9):76–8 **(Rus)**

[The beginnings of radiodiagnosis and radiotherapy in Slovakia] Vilček E. **Bratisl Lek Listy** 1981;76(1):107–21 **(Slo)**

INSTRUMENTATION

Storage and display of information in roentgen films. Reichmann S, et al. **Acta Radiol [Diagn] (Stockh)** 1980; 21(5):673–7

Clinical comparison between monochrome colour film and black-and-white film. Dahlin H, et al. **Acta Radiol [Suppl] (Stockh)** 1978;356:1–58

X-ray equipment performance: a 3.5 year case history. Rossi RP, et al. **AJR** 1981 Jun;136(6):1199–205

Factors and strategies in selection of instruments for radiation surveys around medical X-ray installations. Feldman A. **Health Phys** 1980 Apr;38(4):679–81

Measurement of the focal spot size of diagnostic X-ray tubes by the pinhole camera technique. The influence of the pinhole on the measured focal spot size. Nielsen B. **Health Phys** 1980 Apr;38(4):683–6

The measurement of peak voltage of x-ray generators with pin-photodiodes. Nowotny R. **Health Phys** 1980 Aug; 39(2):310–3

The performance characteristics of radiographic equipment: compliance with federal regulations. Schneider AJ, et al. **Health Phys** 1981 Jan;40(1):113–6

Health care technology: progress...but at a price. **Hospitals** 1981 Jan 1;55(1):74–5

Imaging technology approaches the frontiers of physics. Friedman E. **Hospitals** 1981 Jan 1;55(1):76–80, 82

Diagnostic imaging: an inside look. Guncheon KF. **Hospitals** 1981 Jan 1;55(1):86–8, 95

Polaroid type 611 video image recording land film for copying radiographs. Radzyner HJ. **J Biol Photogr** 1981 Apr;49(2):49–51

Advances in intraoperative renal radiography: 3-dimensional radiography of the kidney. Gil-Vernet JM, et al. **J Urol** 1981 May;125(5):614–9

Application of modern intensifying screens in diagnostic radiology. Skucas J, et al. **Med Radiogr Photogr** 1980; 56(2):25–36

Clinical use of a gadolinium filter in pediatric radiography. Johnson MA, et al. **Pediatr Radiol** 1981;10(4):229–32

A device for checking the speeds and quality of X-ray films and efficiency of film processors. Crooks HE. **Radiography** 1980 May;46(545):128–31

Arthrography of the knee using the Orbix machine. Dowding DV. **Radiography** 1980 Aug;46(548):190–2

The Lister-Edwards general purpose goniometer. Edwards SJ, et al. **Radiography** 1980 Jun;46(546):140–1

A device for testing the alignment of the light-beam diaphragm assembly. Healey T. **Radiography** 1980 Oct; 46(550):230–2

The continuous assessment of X-ray tubes and generators. Price R. **Radiography** 1981 Jan;47(553):2–15

Electrical safety of mobile X-ray units [letter] Robertson CW. **Radiography** 1980 Jun;46(546):155

Effect of vertical cassette holder design and construction on scatter-to-primary radiation ratios. Johnson GA, et al. **Radiology** 1981 Feb;138(2):461–4

Improved contrast in special procedures using a rotating aperture wheel (RAW) device. Rudin S, et al. **Radiology** 1980 Nov;137(2):505–10

[A comparative study of 2 capacitor discharge X-ray units] Frost JM, et al. **S Afr Med J** 1980 Nov 1;58(18):723–5 (Eng. Abstr.) **(Afr)**

[Application of molybdenum anode tube in soft tissue roentgenography (author's transl)] **Chung Hua Fang She Hsueh Tsa Chih** 1979;13(2):92–4 **(Chi)**

[Radiodosimetry of the China-made general diagnostic x-ray machines (author's transl)] Su SL. **Chung Hua Fang She Hsueh Tsa Chih** 1980;14(1):56–60 **(Chi)**

[Ampli photo 10 x 10. Apparatus and onset of results] Maillard-Salin G, et al. **Orthod Fr** 1980;51:219–27 **(Fre)**

[A mobile overload-protected, single-tank X-ray generator for 17 kW short-time rated power output (author's transl)] Wach P, et al. **Biomed Tech (Berlin)** 1981 Jan–Feb; 26(1–2):15–8 (Eng. Abstr.) **(Ger)**

[Comparison of the Perlux-Universal and Perlux-Extrarapid intensifying screen systems in routine radiological diagnosis] Andersson O, et al. **Radiol Diagn (Berl)** 1980; 21(3):409–13 (Eng. Abstr.) **(Ger)**

[Equipment requirements for an optimal radiographic technic] Franke K. **Roentgenblaetter** 1981 Jan;34(1):33–8 **(Ger)**

[Quality control of Roentgen equipment with automatic exposure using a newly developed test phantom. Part II: surface dose, image parameters and quality number (author's transl)] Hagemann G. **Roentgenblaetter** 1980 Sep; 33(9):475–82 (Eng. Abstr.) **(Ger)**

[Uniformity of a developing machine of the Gevamatic 240 type using test film strips in a radiologic practice] Bregulla W, et al. **Roentgenpraxis** 1980 May;33(5):126–31 **(Ger)**

[Metal and ceramic x-ray tube] Mohr H. **Roentgenpraxis** 1980 Dec;33(12):309–14 **(Ger)**

[Experiences with a heated covering for x-ray tables] Viehweger G, et al. **Roentgenpraxis** 1980 Jun;33(6):153–5 **(Ger)**

[A new rare earth intensifying screen: lanthanum oxybromide (Quanta III – Dupont): relative speed, resolution and image quality (author's transl)] Bergamini C, et al. **Radiol Med (Torino)** 1980 Oct;66(10):699–704 (Eng. Abstr.) **(Ita)**

[Comparison between xerograms and radiograms done with MR films and rare-earth screens] Sanna G, et al. **Radiol Med (Torino)** 1979 Sep;65(9):619 **(Ita)**

[Versatile and efficient utilization of microfilming system of x-ray film (author's transl)] Kozuka T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1980 Sep 25; 40(9):898–905 **(Jpn)**

[Hygienic assessment of the radiation situation in x-ray diagnostic offices and means of improving it] Zol' nikova NI, et al. **Gig Tr Prof Zabol** 1981 Jun;(6):37–40 **(Rus)**

[Method of verifying the protection in x-ray diagnostic offices] Vladimirov LV, et al. **Med Radiol (Mosk)** 1981 Mar;26(3):61–4 **(Rus)**

[Improvement of the quality of radiation in x-ray diagnostic machines] Smekhov ME. **Med Tekh** 1981 May–Jun; (3):18–21 (Eng. Abstr.) **(Rus)**

[Soviet x-ray diagnostic units with x-ray image magnifiers] Blinov NN. **Vestn Rentgenol Radiol** 1980 Sep–Oct;(5):68–72 **(Rus)**

[Attachments facilitating the x-ray study of the large intestine] Petrova IS, et al. **Vestn Rentgenol Radiol** 1981 Mar–Apr;(2):80–1 **(Rus)**

METHODS

Significance of quantum fluctuations in roentgen imaging. Strid KG. **Acta Radiol Oncol Radiat Phys Biol** 1980; 19(2):129–38

Role of radiology in aviation accident investigation. Lichtenstein JE, et al. **Aviat Space Environ Med** 1980 Sep; 51(9 Pt 2):1004–14

A method of checking the accuracy of rapid film changers. Suleyman R, et al. **Radiography** 1980 Oct;46(550):236–7

Longitudinal study of transpharyngeal radiography in temporomandibular arthropathy. Rasmussen OC. **Scand J Dent Res** 1980 Jun;88(3):257–68

Anatomy and technique in evaluating the esophagus. Gelfand DW, et al. **Semin Roentgenol** 1981 Jul;16(3):168–82

[Definition of some concepts for the evaluation of medical diagnosis] Angerstein W. **Radiol Diagn (Berl)** 1980; 21(4):535–6 **(Ger)**

[Problems of x-ray diagnostic findings, description and documentation] Böck G, et al. **Radiol Diagn (Berl)** 1980; 21(3):307–14 (Eng. Abstr.) **(Ger)**

[Use of diagnostic dosimeters to evaluate x-ray diagnostic study methods as well as the training level of the researchers] Gursky S, et al. **Radiol Diagn (Berl)** 1980; 21(3):403–8 (Eng. Abstr.) **(Ger)**

[Current status of the application of pharmacoradiography in gastroenterological x-ray diagnosis] Schulz HG. **Radiol Diagn (Berl)** 1980;21(3):294–301 (49 ref.) (Eng. Abstr.) **(Ger)**

[Medical radiography with fast neutrons (author's transl)] Dühmke E. **ROEFO** 1980 Jun;132(6):720–8 (Eng. Abstr.) **(Ger)**

[Stereoscopic viewing of radiographs] Knöfler EW. **Z Aerztl Fortbild (Jena)** 1980 Apr 1;74(7):317–21 **(Ger)**

[Traditional radiology and echography] Candiani F, et al. **Radiol Med (Torino)** 1979 Dec;65(12):935–6 **(Ita)**

[Computer simulation for the effect of target angle in diagnostic x-ray tube on x-ray output and half-value layer (author's transl)] Hayami A, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1980 Oct 25; 40(10):977–82 (Eng. Abstr.) **(Jpn)**

[Studies on the correlation between the mean weighted exposure dose to body surface and the effective whole-body dose in radiological diagnosis (author's transl)] Jankowski J. **Pol Przegl Radiol** 1980 Mar–Apr;44(2):147–9 (Eng. Abstr.) **(Pol)**

[Limits of human experimental radiographic examinations] Zajgner J. **Pol Przegl Radiol** 1980 Mar–Apr;44(2):183–5 **(Pol)**

[Irradiation of the gonads in children during x-ray studies] Kostenetskii MI, et al. **Gig Sanit** 1981 Feb;(2):64–5 **(Rus)**

[Experience with conducting hygienic measures to limit the irradiation of children during x-ray studies] Sukhomlina AN, et al. **Gig Sanit** 1981 Feb;(2):65–6 **(Rus)**

[Theoretical aspects of decreasing the radiation load in x-ray diagnosis] Vladimirov LV. **Med Radiol (Mosk)** 1981 Jun; 26(6):44–8 **(Rus)**

STANDARDS

Errors in measurement of kVp and exposure time from the presence of a pre-magnetization pulse. Duck FA, et al. **Br J Radiol** 1980 Jul;53(631):716–8

Quality assurance in repeat films. Curtis DJ, et al. **CRC Crit Rev Diagn Imaging** 1981;14(4):281–320

Skull x-ray criteria endorsed by the Food and Drug Administration: some flaws and proposed modifications. Freed HA. **Neurosurgery** 1980 Dec;7(6):636–8

'Zebra effect' in the radiograph. Warner BW, et al. **Oral Surg** 1981 May;51(5):566

The tissue-equivalence of the Alderson Rando anthropomorphic phantom for x-rays of diagnostic qualities. Shrimpton PC, et al. **Phys Med Biol** 1981 Jan; 26(1):133–9

Establishing a total quality assurance program in diagnostic radiology. Carlton R. **Radiol Technol** 1980 Jul–Aug; 52(1):23–38

[Estimation of organ dose during radiological and computer tomographic examinations with calculations of the somatically significant doses (author's transl)] Ewen K, et al. **ROEFO** 1980 Oct;133(4):425–9 (Eng. Abstr.) **(Ger)**

[Practical quality assurance in x-ray diagnosis (author's transl)] Stender HS. **Roentgenblaetter** 1980 Dec; 33(12):618–25 **(Ger)**

[Comparison of endoscopy with other technics. What are the advantages offered by endoscopy compared to the less invasive technics (roentgen diagnosis, sonography, computerized tomography)?] Friedrichs O. **ZFA (Stuttgart)** 1981 Mar 31;57(9):685–8 **(Ger)**

TRENDS

Medical practice in East Africa 1970–1979. 3. Radiology. Whittaker RL. **East Afr Med J** 1980 Sep;57(9):594–8

Interventional therapeutic procedures in radiology. Rubinstein ZJ, et al. **Isr J Med Sci** 1980 Dec;16(12):831–42

Contempo '81. Diagnostic radiology. Jacobson HG. **JAMA** 1981 Jun 5;245(21):2220–1

Radiological imaging--2000 A.D. Capp MP. **Radiology** 1981 Mar;138(3):541–50

[Current developments in the practice of x-ray diagnosis] Jeanmart L, et al. **Bull Mem Acad R Med Belg** 1979 Oct 27;134(9):430–50 (Eng. Abstr.) **(Fre)**

[Development of the ultrasonic and x-ray diagnostic services at the Vienna University Women's Clinic] Wolf G, et al. **Wien Med Wochenschr** 1980 Sep 30;130(18):581–5 **(Ger)**

[Patent information work up experience with the x-ray radiology research efforts of the Moscow X-Ray Radiology Research Institute in planning for the 11th Five-Year Plan] Sviridov NK, et al. **Med Radiol (Mosk)** 1981 May;26(5):51–5 (Eng. Abstr.) **(Rus)**

[Roentgenology developmental trends in their radiation safety aspect] Vlasov PV, et al. **Vestn Rentgenol Radiol** 1980 Sep–Oct;(5):72–6 (Eng. Abstr.) **(Rus)**

UTILIZATION

Problems and opportunities in the application of efficacy research [editorial] Potchen EJ. **AJNR** 1980 Jul–Aug; 1(4):350–1

Personal usage of medical radiological procedures by radiologists, pathologists, and their families. Jessup GL Jr, et al. **Am J Epidemiol** 1981 Jul;114(1):53–62

Avoiding unnecessary X-ray exposure in children. Leonidas JC. **Compr Ther** 1980 Dec;6(12):46–54

The use of radiographic studies in a teaching hospital. Goldstein J, et al. **J Med Syst** 1981;4(3–4):347–54

A trial of two strategies to modify the test-ordering behavior of medical residents. Martin AR, et al. **N Engl J Med** 1980 Dec 4;303(23):1330–6

VETERINARY

Radiation safety. Rendano VT, et al. **Mod Vet Pract** 1980 Sep;61(9):730–4

Veterinary radiography. Robbie B. **Radiography** 1980 Nov; 46(551):262–5

Errors in radiography that interfere with diagnosis. Burns J. **VM SAC** 1981 Feb;76(2):173–80

RADIOGRAPHY, BODY SECTION see **TOMOGRAPHY, X-RAY**

RADIOGRAPHY, DENTAL

X-ray exposures to dental patients. McKlveen JW. **Health Phys** 1980 Aug;39(2):211–7

Absorbed bone marrow doses [letter] Gelskey DE. **J Am Dent Assoc** 1980 Sep;101(3):444

Radiation thrift [letter] Kimmelman BB, et al. **J Am Dent Assoc** 1980 Nov;101(5):755, 757

American Association of Dental Schools curricular guidelines for oral radiology. **J Dent Educ** 1980 Nov; 44(11):674–9

Radiation and the New York dentist [editorial] Evans BE. **NY J Dent** 1981 Apr;51(4):113–5

Radiopacity of root canal sealers. Beyer-Olsen EM, et al. **Oral Surg** 1981 Mar;51(3):320–8

A computer-assisted system for reporting of dental radiographs. Seldin EB, et al. **Oral Surg** 1981 Jan; 51(1):108–11

Dental radiography--a social scientist's perspective. Study indicates need for better performance in preventing over-exposure to x-ray in dental offices. Gamelin JB. **RI Med J** 1980 Dec;63(12):487–93

[Automatic analysis of radiologic negatives] Danhiez P. **Bull Group Int Rech Sci Stomatol Odontol** 1980 Apr; 23(2):75–80 (Eng. Abstr.) **(Fre)**

[Radiodiagnosis in stomatology] Mayer R. **Bull Mem Acad R Med Belg** 1979 Oct 27;134(9):461–72 (Eng. Abstr.) **(Fre)**

[Preoperative radiodiagnosis in dental-surgical interventions] Semper O, et al. **Dtsch Zahnaerztl Z** 1980 Feb;35(2):226–9 (Eng. Abstr.) **(Ger)**

[The place of the x-ray picture in dental practice] Tonne E. **Stomatol DDR** 1980 Aug;30(8):549–53 (Eng. Abstr.) **(Ger)**

[Results of radiologic surveys of root canal procedures performed by dental students] Herczegh B, et al. **Fogorv Sz** 1981 Mar;74(3):73–6 (Eng. Abstr.) **(Hun)**

[Stomatological radiology (author's transl)] Mlosek K. **Pol Przegl Radiol** 1980;44(6):517–9 **(Pol)**

[Work experience in the x-ray room of a provincial dental polyclinic] Sidora VD, et al. **Stomatologiia (Mosk)** 1981 Jan–Feb;60(1):65–8 **(Rus)**

ADVERSE EFFECTS

[Is there an increase in the radiation burden of the population due to dental x-ray diagnosis to be recorded? 1. Studies on the annual number and correlation of intraoral dental film, panoramic and skull exposures] Spens E, et al. **Stomatol DDR** 1980 Oct;30(10):757–72 (Eng. Abstr.) **(Ger)**

[Remarks on the article by Prof. A. Danek (radiation effects)] Mlosek K. **Czas Stomatol** 1980 Apr;33(4):345–7 **(Pol)**

EDUCATION

Survey of radiographic requirements and techniques. Farman AG, et al. **J Dent Educ** 1981 Sep;45(9):581–4

[Postgraduate education of dentists in the field of radiology] Starzyńska-Furmaniak E, et al. **Czas Stomatol** 1980 Jun; 33(6):563–6 (Eng. Abstr.) **(Pol)**

HISTORY

The development of dental radiology. The realisation of a scientific dream. Bird PD. **Br Dent J** 1981 Jul 7; 151(1):28–30

[25th anniversary of the Department of Roentgenology and Radiology of the N. A. Semashko Moscow Medical Stomatology Institute] Vorob'ev IuI, et al. **Vestn Rentgenol Radiol** 1980 Sep–Oct;(5):88–9 **(Rus)**

INSTRUMENTATION

The radiation safety of new dental X-ray sets. Beeching BW, et al. **Br Dent J** 1981 Feb 17;150(4):94–102

The new Kodak Ektaspeed dental x-ray film. Silha RE. **Dent Radiogr Photogr** 1981;54(2):32–5

The use of a portable dental x-ray unit for intraoperative renal roentgenograms. Konnak JW, et al. **J Urol** 1980 Dec; 124(6):768–9

Comparison of films processed in automatic and manual processors. Thunthy KH, et al. **Oral Surg** 1980 Nov; 50(5):479–83

Evaluation of the quality of duplicated radiographs. Thunthy KH, et al. **Oral Surg** 1981 Apr;51(4):450–5

Simulating the effects of system components on the appearance of dental x-ray images. Webber RL. **Oral Surg** 1981 May;51(5):560–5

[Rational interpretation of the lateral teleradiograph by means of the principle of magnetostriction] Voy ED, et al. **Dtsch Zahnaerztl Z** 1980 MAR;35(3):418–20 (Eng. Abstr.) **(Ger)**

[Temporomandibular joint pictures with the usual dental x-ray apparatus for determining the syntopy between the condyle and the fossa glenoidalis] Ploner L. **Fortschr Kiefer Gesichtschir** 1980;25:30–2 **(Ger)**

[Requirements for dental x-ray diagnostic facilities in connection with dental care in the GDR] Taschner P, et al. **Stomatol DDR** 1980 Jun;30(6):405–12 (Eng. Abstr.) **(Ger)**

[Use of a stereocomparator for determining the coordinates of the anthropometric points on teleroentgenograms] Pankrat'ev IuN, et al. **Stomatologiia (Mosk)** 1981 May–Apr; 60(2):85–6 **(Rus)**

[X-ray diagnosis of maxillodental diseases in a mobile dental office] Aleksandrov NM, et al. **Voen Med Zh** 1981 May; (5):59 **(Rus)**

METHODS

Hygiene implications associated with x-ray exposures to dental patients. McKlveen JW. **Am Ind Hyg Assoc J** 1980 Dec;41(12):864–8

The buccal object rule. Richards AG. **Dent Radiogr Photogr** 1980;53(3):37–56

Xeroradiography for imaging biomaterials--A comparison with conventional radiography. Gratt BM, et al. **J Prosthet Dent** 1980 Nov;44(5):567–72

Mounting dental radiographs for projection or chairside viewing. Tebrock OC. **J Prosthet Dent** 1981 Apr;45(4):456

Pedodontic radiography--. Oppenheim MN. **NY State Dent J** 1981 Feb;47(2):88–90

Effect of radiographic technique upon prediction of tooth length in intraoral radiography. Bhakdinaronk A, et al. **Oral Surg** 1981 Jan;51(1):100–7

Image resolution in dental and maxillofacial radiography with the conventional and 'free focus' imaging concepts. Jensen TW, et al. **Oral Surg** 1981 Jun;51(6):653–61

Dental pantomography. The orthopantomograph: a method of patient positioning. Millar JK. **Radiography** 1979 Sep; 45(537):197–9

[Keys to success in radiology] Bonneau E. **Rev Odontostomatol (Paris)** 1980 Sep–Oct;9(5):17–25 **(Fre)**

[X-ray topography in the orthopantomogram] von Arnim HH, et al. **Dtsch Zahnaerztl Z** 1981;36(3):179–82 **(Ger)**

[Indirect method of determining cephalometric angle values in analyzing teleroentgenograms] Trezubov VN, et al. **Stomatologiia (Mosk)** 1981 Jan–Feb;60(1):78–9 **(Rus)**

STANDARDS

Dental X-ray equipment inspection program in Manitoba. Holloway AF, et al. **Health Phys** 1980 Sep;39(3):531–6

Recommendations in radiographic practices, 1981. Council on Dental Materials, Instruments, and Equipment. **J Am Dent Assoc** 1981 Jul;103(1):103–4

[Contribution to the standardization of intraoral radiography technics] Erle A, et al. **Stomatol DDR** 1980 Jan;30(1):50–1 (Eng. Abstr.) **(Ger)**

['Standardization of intraoral x-ray technic'; comments on the paper by Erle, Landeck, Nennig, Rother and Baum in Stomatol. DDR 30 (1980), 50–51] Wegner H. **Stomatol DDR** 1981 Feb;31(2):118 **(Ger)**

RADIOGRAPHY, PANORAMIC

A panoramic radiographic survey of the oral health of dentists. Tsaknis PJ, et al. **Ann Dent** 1980 Winter;39(4):75–8

Panoramic radiographic examination of 704 Danish children aged 9--10 years. Locht S. **Community Dent Oral Epidemiol** 1980 Oct;8(7):375–80

A survey of panoramic radiographs for evaluation of normal and pathologic findings. Alattar MM, et al. **Oral Surg** 1980 Nov;50(5):472–8

[Evaluation of the significance of the orthopantogram in periodontology] Dřizhal I, et al. **Cesk Stomatol** 1980 Sep; 80(5):328–33 (Eng. Abstr.) **(Cze)**

[Value of panoramic radiography for the ENT-physician] Van Clooster R. **Acta Otorhinolaryngol Belg** 1979; 33(6):964–71 **(Dut)**

[Possible representations of fractures of the maxillofacial region in orthopantomogram (author's transl)] Biedermann F, et al. **Radiol Diagn (Berl)** 1980;21(6):785–94 (Eng. Abstr.) **(Ger)**

[Apparent manibular fracture in orthopantomography] Beyer D, et al. **ROEFO** 1980 Apr;132(4):472–3 **(Ger)**

[Usefulness of pantomographic photographs for diagnosing maxillofacial disorders] Różyło TK. **Czas Stomatol** 1981 Jan;34(1):39–45 (Eng. Abstr.) **(Pol)**

[Pantomographic picture of normal occlusion in the lst stage of the replacement of the dentition] Szczepańska I, et al. **Czas Stomatol** 1980 Oct;33(10):889–96 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

[Is there an increase in the radiation burden of the population due to dental x-ray diagnosis to be recorded? 1. Studies on the annual number and correlation of intraoral dental film, panoramic and skull exposures] Spens E, et al. **Stomatol DDR** 1980 Oct;30(10):757–72 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

[Personal thermoluminescent dosimetry for determining the radiation dosage in children and adolescents in status X panoramic radiography in dental roentgen diagnosis] Wiltschke F, et al. **Radiol Diagn (Berl)** 1981;22(2):224–30 (Eng. Abstr.) **(Ger)**

METHODS

Three-dimensional approach to analysis and treatment of hemifacial microsomia. Kaban LB, et al. **Cleft Palate J** 1981 Apr;18(2):90–9

A new method for image layer analysis in rotational panoramic radiography. McDavid WD, et al. **Oral Surg** 1981 Aug;52(2):213–20

Dental pantomography. The orthopantomograph: a method of patient positioning. Millar JK. **Radiography** 1979 Sep; 45(537):197–9

Experiment with supine panoramic X-ray equipment in the diagnosis of maxillo-facial fractures. Moilanen A. **Roentgenblaetter** 1980 Nov;33(11):588–91

[Application of orthopantomography in oral and maxillofacial region (author's transl)] Sun GX. **Chung Hua Kou Chiang Ko Tsa Chih** 1979;14(1):44–7 **(Chi)**

[X-ray topography in the orthopantomogram] von Arnim HH, et al. **Dtsch Zahnaerztl Z** 1981;36(3):179–82 **(Ger)**

[Representation of the temporomandibular joints on the orthopantomogram in the so-called S-focusing] Freitag V, et al. **Fortschr Kiefer Gesichtschir** 1980;25:26–30 **(Ger)**

RADIOIMMUNOASSAY

Radioimmunoassay of serum prostatic acid phosphatase in prostatic carcinoma. A comparative study with an enzymatic assay. Ishibe T. **Acta Urol Belg** 1981 Jan; 49(1):64–72

A comparative study of the peroxidase–antiperoxidase method and an avidin–biotin complex method for studying polypeptide hormones with radioimmunoassay antibodies. Hsu SM, et al. **Am J Clin Pathol** 1981 May;75(5):734–8

Radioimmunoassay of human prostate-specific acid phosphatase. A sensitive and specific assay for semen detection in forensic medicine. Vihko P, et al. **Am J Clin Pathol** 1981 Feb;75(2):219–20

Serum IgE levels and RAST for cow's milk protein. Use in children with recurrent abdominal pain. Liebman WM, et al. **Am J Dis Child** 1981 Aug;135(8):741–2

Spironolactone interference with digoxin radioimmunoassay in cirrhotic p.tients. DiPiro JT, et al. **Am J Hosp Pharm** 1980 Nov;37(11):1518–21

Problems encountered in the immunoassay of alpha-foetoprotein in patients with hepatoma. Tong A, et al. **Ann Acad Med Singapore** 1980 Oct;9(4):529–31

Radioimmunoassay. Parker CW. **Annu Rev Pharmacol Toxicol** 1981;21:113–32 (52 ref.)

Radioimmunoassay of gentamicin in Micromonospora medium extracts. Rosner A, et al. **Antimicrob Agents Chemother** 1980 Mar;17(3):510–1

Comprehensive viral immunology of multiple sclerosis. III. Analysis of CSF antibodies by radioimmunoassay. Forghani B, et al. **Arch Neurol** 1980 Oct;37(10):616–9

A comparison of assay methods for pregnancy specific beta 1 glycoprotein (SP–1). Ho PC, et al. **Aust NZ J Obstet Gynaecol** 1980 May;20(2):109–12

Comparison of radioimmunoassay results in serum and plasma [letter] Bauman JE. **Clin Chem** 1980 Apr;26(5):676–7

Interference of EDTA in determinations of c-AMP and c-GMP in plasma by radioimmunoassay [letter] Bruynzeel PL, et al. **Clin Chem** 1980 Apr;26(5):668–9

A modified radioimmunoassay for 1,25-dihydroxycholecalciferol. Gray TK, et al. **Clin Chem** 1981 Mar;27(3):458–63

Clinical evaluation of two thyrotropin radioimmunoassay kits: human serum matrix calibrators and bovine serum matrix calibrators [letter] Kubasik NP, et al. **Clin Chem** 1981 Mar;27(3):504–5

Evaluation of a new ferritin radioimmunoassay kit [letter] Kubasik NP, et al. **Clin Chem** 1981 Mar;27(3):505

Cross reactivity of digitoxin in radioimmunoassay and enzyme-linked immunoassay for digoxin in plasma [letter] Scherrmann JM, et al. **Clin Chem** 1980 Apr;26(5):670–1

International survey of the radioimmunological measurement of serum reverse triiodothyronine. Meinhold H, et al. **Clin Chim Acta** 1980 Aug 19;105(3):343–50

A computer program for determination of equilibrium constants and binding site concentrations in radioimmunoassay systems. Faure A, et al. **Comput Programs Biomed** 1980 Aug;12(1):19–26

The radioallergosorbent test in 1981—limitations and refinements. Adkinson NF Jr. **J Allergy Clin Immunol** 1981 Feb;67(2):87–9

An approach to fungal antigen relationships by radioallergosorbent test inhibition. Karr RM, et al. **J Allergy Clin Immunol** 1981 Mar;67(3):194–8

Diagnostic and therapeutic applications of a modified radioallergosorbent test and comparison with the conventional radioallergosorbent test. Santrach PJ, et al. **J Allergy Clin Immunol** 1981 Feb;67(2):97–104

Comparison of the radioallergosorbent test and a quantitative solid-phase radioimmunoassay for the detection of ragweed-specific immunoglobulin E antibody in patients undergoing immunotherapy. Zeiss CR, et al. **J Allergy Clin Immunol** 1981 Feb;67(2):105–10

An evaluation method providing confidence intervals applied to radioimmunoassay. Lindwall L, et al. **J Clin Chem Clin Biochem** 1980 Dec;18(12):879–83

Radioimmunoassay studies of human apolipoprotein E. Blum CB, et al. **J Clin Invest** 1980 Dec;66(6):1240–50

Immunoglobulins M and G to varicella–zoster virus measured by solid-phase radioimmunoassay: antibody responses to varicella and herpes zoster infections. Arvin AM, et al. **J Clin Microbiol** 1980 Sep;12(3):367–74

Radioimmunoassay for Bacteroides fragilis infections. Hoppes WL, et al. **J Clin Microbiol** 1980 Aug;12(2):205–7

Comparison of passive hemagglutination, bactericidal activity, and radioimmunological methods in measuring antibody responses to Neisseria meningitidis group A capsular polysaccharide vaccine. Käyhty H. **J Clin Microbiol** 1980 Aug;12(2):256–63

Detection of Pseudomonas aeruginosa antigenemia in granulocytopenic rabbits by radiommunoassay. Kohler RB, et al. **J Clin Microbiol** 1980 Jul;12(1):39–43

Evaluation of five gentamicin assay procedures for clinical microbiology laboratories. Selepak ST, et al. **J Clin Microbiol** 1981 Apr;13(4):742–9

Comparison of ELISA and RIA for measurement of pneumococcal antibodies before and after vaccination with 14-valent pneumococcal capsular polysaccharide vaccine. Koskela M, et al. **J Clin Pathol** 1981 Jan;34(1):93–8

The evaluation of an homogeneous enzyme immunoassay (Emit) and radioimmunoassay for barbiturates. Law B, et al. **J Forensic Sci Soc** 1981 Jan;21(1):55–66

Epidemiological and serological study of hepatitis A virus outbreaks in France: a comparison between immunoadherence and radioimmunoassay. Coursaget P, et al. **J Hyg (Lond)** 1981 Apr;86(2):155–62

Detection of Fc gamma receptors on human lymphoblastoid cell surfaces using a simple solid phase radioimmunoassay specific for human IgG. Barel M, et al. **J Immunol Methods** 1980;37(2):123–31

Anti-double strand (ds) DNA antibody formation by NZB/W (F1) spleen cells in a microculture system detected by solid phase radioimmunoassay. Okudaira H, et al. **J Immunol Methods** 1981;41(2):201–13

Radioimmunoassay of IgM and IgG antitetanus toxoid antibody. Repetti CF, et al. **J Immunol Methods** 1980; 37(2):153–63

Quantitation of light chain synthesis in myeloma x spleen cell hybrids and identification of myeloma chain loss variants using radioimmunoassay. Springer TA. **J Immunol Methods** 1980;37(2):139–52

A simple and rapid solid-phase radioimmunoassay for serum progesterone, using the protein A of Staphylococcus aureus as immunoadsorbent. Jungers J, et al. **J Lab Clin Med** 1981 Jul;98(1):30–6

Comparison of hemagglutination inhibiton test and radioimmunoassay for morphine in urine. Khupulsup K, et al. **J Med Assoc Thai** 1981 Feb;64(2):72–5

Rubella immunity by four different techniques: results of challenge studies. Best JM, et al. **J Med Virol** 1980; 5(3):239–47

Hepatitis A diagnosis in man: radioimmunoassay for hepatitis A antigen detection in faeces. Coursaget P, et al. **J Med Virol** 1980;6(1):53–60

Hepatitis B e antigen and antibody: detection by radioimmunoassay in chimpanzees during experimental hepatitis B. Tabor E, et al. **J Med Virol** 1980;6(1):91–9

Solid-phase radioimmunoassay of serum IgG, IgM, and IgA antibodies to cytomegalovirus. Torfason EG, et al. **J Med Virol** 1981;7(2):85–96

Clinical significance of serum vitamin B12 measured by radioassay using pure intrinsic factor. Chen IW, et al. **J Nucl Med** 1981 May;22(5):447–51

Radioimmunoassay for prostatic acid phosphatase [letter] Howards SS, et al. **J Urol** 1980 Nov;124(5):753–4

Prostatic acid phosphatase by radioimmunoassay. Sensitivity compared with enzymatic assay. Lindholm GR, et al. **JAMA** 1980 Nov 7;244(18):2071–3

A comparison of radioimmunoassay with spectrophotometry for the determination of plasma diphenylhydantoin concentrations. Kawashima K, et al. **Jpn J Pharmacol** 1980 Oct;30(5):752–5

Note on the radioimmunoassay of angiotensin-I in the measurement of plasma renin activity [letter] Oates HF. **Med J Aust** 1981 Feb 7;1(3):143

Precautions in the use of CEA test [letter] Dierksheide WC. **N Engl J Med** 1981 Jan 15;304(3):174

Determination of ovarian function using first morning urine steroid assays. Denari JH, et al. **Obstet Gynecol** 1981 Jul; 58(1):5–9

Chronic otitis media with effusion and allergy: modified RAST analysis of 119 cases. McMahan JT, et al. **Otolaryngol Head Neck Surg** 1981 May–Jun;89(3 Pt 1):427–31

Urine T3 radioimmunoassay. Quantitative studies of urinary T3 excretion in normal humans. Curti G, et al. **Quad Sclavo Diagn** 1980 Jun;16(2):157–66

Radioimmunoassay compared to an enzymatic method for serum bile acid determination. Samuelson K. **Scand J Clin Lab Invest** 1980 May;40(3):289–91

Specific and sensitive radioimmunoassay for 3-methoxy-4-hydroxyphenylethyleneglycol (MOPEG). Keeton TK, et al. **Science** 1981 Feb 6;211(4482):586–8

Comparison of radioimmunoassay with homogeneous enzyme immunoassay for the determination of theophylline concentration in serum. Forrester RL, et al. **Ther Drug Monit** 1979;1(3):381–5

A radioimmunoassay for human metallothionein. Chang CC, et al. **Toxicol Appl Pharmacol** 1980 Aug;55(1):94–102

The role of the radioimmunoassay for prostatic acid phosphatase in prostatic carcinoma. Bruce AW, et al. **Urol Clin North Am** 1980 Oct;7(3):645–52

Quantitative determination of the HBsAg. Vranckx R. **Vox Sang** 1980;38(4):236–7

Detection by immunodiffusion- and radioimmunoassay-tests of antibodies to bovine leukemia virus antigens in sera of experimentally infected sheep and cattle. Mammerickx M, et al. **Zentralbl Veterinaermed [B]** 1980;27(4):291–303

[Advances in the laboratory diagnosis of thyroid gland diseases. (An analytical review)] Bednář J. **Cesk Farm** 1980 Nov;29(8–9):321–3 **(Cze)**

[A new insulin radioimmunotest and its use in the determination of anti-insulin antibodies] Menzel EJ, et al. **Acta Med Austriaca [Suppl]** 1979;6:399–401 (Eng. Abstr.) **(Ger)**

[Significance of skin test and RAST in the diagnosis of insect sting allergy (author's transl)] Koranda W, et al. **Wien Med Wochenschr** 1981;131(11):301–3 (Eng. Abstr.) **(Ger)**

[Cross sensitization by pollen of Compositae (Asteraceae)--studies using the prick test, RAST and RAST-inhibition tests] Rakoski J, et al. **Z Hautkr** 1980 Jun 1;55(11):741–7 **(Ger)**

[Automated analysis of radioimmunoassays and protein binding determinations] Hubl W, et al. **Z Med Lab Diagn** 1981;22(1):18–22 (Eng. Abstr.) **(Ger)**

[Clinical symptoms and results of RAST and inhalation provocation tests] Baur X, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1980 Apr;30(4):104–9 **(Ger)**

[Field study with specific Radioallergosorbent Test (RAST) in isocyanate exposed persons] Diller W, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1980 Apr;30(4):100–3 **(Ger)**

[Practical significance of allergologic clinical diagnoses. RIST, PRIST, RAST, histamine liberation] Bartmann K, et al. **ZFA (Stuttgart)** 1980 Apr 10;56(10):701–10 **(Ger)**

[Radioimmunological determination of plasma 20-alpha-OH progesterone] Melega C, et al. **Ann Ostet Ginecol Med Perinat** 1979 Jul–Aug; 100(4):239–49 (Eng. Abstr.) **(Ita)**

[Sensitivity and specificity of the RAST (radioallergosorbent test) in biological diagnosis of the hydatidosis (author's transl)] Sorice F, et al. **Ann Sclavo** 1979 Nov–Dec; 21(6):800–15 (Eng. Abstr.) **(Ita)**

[Values and limitations of the radioimmunological determination of plasma parathyroid hormone in the study of the functional activity of the parathyroid glands] Scarda A, et al. **Boll Soc Ital Biol Sper** 1979 Apr 15;55(7):647–53 (Eng. Abstr.) **(Ita)**

[Determination of primary bile acids with radio-immunoassay. Its use as a liver function test] Giunta G, et al. **Minerva Dietol Gastroenterol** 1981 Jan–Mar; 27(1):93–8 (Eng. Abstr.) **(Ita)**

[Comparison of the radioimmunological and -immunoenzymatic (ELISA) methods in the determination of digoxin] Cipriani S, et al. **Quad Sclavo Diagn** 1980 Mar; 16(1):19–24 **(Ita)**

[Critical analysis of the radioimmunological methods of determining creatine kinase isoenzyme MB (CK-MB), myoglobin (MG) and of LDH (H4) in ischemic cardiopathy] Martinelli M, et al. **Quad Sclavo Diagn** 1980 Jun;16(2):134–48 (Eng. Abstr.) **(Ita)**

[Screening of CAH by RIA of 17 alpha-OH-progesterone in filter paper blood (author's transl)] Kambegawa A, et al. **Horumon To Rinsho** 1980 Jul;28(7):773–6 **(Jpn)**

[Clinical studies on platelet factor -4 radioimmunoassay kit (author's transl)] Takamatsu J, et al. **Horumon To Rinsho** 1980 Jul;28(7):847–9 **(Jpn)**

[RIA of serum secretin in gastrointestinal diseases (author's transl)] Takizawa T, et al. **Horumon To Rinsho** 1981 Jan; 29(1):133–7 **(Jpn)**

[Enzymological study of prostatic cancer VIII. Comparison of acid phosphatase by measurement of enzymatic level and radioimmunoassay in diagnosis of patients with prostatic carcinoma (author's transl)] Ishibe T. **Nippon Hinyokika Gakkai Zasshi** 1980 Dec;71(12):1484–8

(Eng. Abstr.) (Jpn)
[Establishment of a method for the early detection of congenital hypothyroidism. Study group for the early diagnosis of congenital hypothyroidism. Research funded by the Ministry of Welfare for the handicapped, and for chronic diseases of children] Irie M, et al.
Nippon Naibunpi Gakkai Zasshi 1980 Jul 20;56(7):1000–4 (Jpn)
[Clinical studies on serum trypsin by radioimmunoassay (author's transl)] Imamura K, et al.
Nippon Shokakibyo Gakkai Zasshi 1981 Feb;78(2):238–45 (Eng. Abstr.) (Jpn)
[Development of an automatic reporting system for radioimmunoassay test (author's transl)] Takizawa M, et al. **Radioisotopes** 1981 Jan;30(1):19–24 (Eng. Abstr.) (Jpn)
[The application of radioimmunoassay for virus and anticancer drugs (author's transl)] Toyoshima S.
Radioisotopes 1980 May;29(5):252–60 (78 ref.) (Jpn)
[RAST and RIST--new radioimmunological methods in the diagnosis of bronchial asthma] Kazimierczak A.
Pneumonol Pol 1980;48(12):853–8 (28 ref.) (Pol)
[Indices of the 'norm' in in vitro radionuclide studies] Ametov AS, et al. **Med Radiol (Mosk)** 1980 Dec;25(12):39–42 (Eng. Abstr.) (Rus)
[Radioimmunological studies for the diagnosis of the status of the fetus] Kulakov VI, et al. **Med Radiol (Mosk)** 1980 Sep;25(9):62–5 (Eng. Abstr.) (Rus)

INSTRUMENTATION

Prostatic acid phosphatase as measured with two radioimmunoassay kits in the detection of prostatic adenocarcinoma. Brody JP, et al. **Clin Chem** 1981 Apr; 27(4):605–7
Rapid bead counting and dispensing device for radioimmunoassays and enzyme-linked immunosorbent assays. Hui GW. **J Clin Microbiol** 1981 Apr;13(4):801–4
Re: evaluation and comparison of two fully automated radioassay systems with distinctly different modes of analysis [letter] Devos P. **J Nucl Med** 1981 Aug;22(8):743–4
Comparative evaluation of two commercial radioimmunoassay kits for trypsin-like immunoreactivity. Recchia S, et al. **J Nucl Med Allied Sci** 1980 Jul–Dec; 24(3–4):197–200
[15-VSM-5 calculator in processing the results of radioimmunological studies] Andreev IK, et al.
Med Radiol (Mosk) 1981 Feb;26(2):55–9 (Eng. Abstr.) (Rus)

METHODS

A radioimmunoassay for human parathyroid hormone utilizing a goat anti-bovine PTH serum. Mallette LE.
Acta Endocrinol (Copenh) 1981 Feb;96(2):215–21
Radioimmunoassay of three oestrogens and three androgens in the same plasma sample after extraction and chromatographic separation. Paradisi R, et al.
Acta Endocrinol (Copenh) 1980 Jun;94(2):229–34
A perifusion method for examining arginine vasopressin (AVP) release from hypothalamo-neurohypophyseal system. Ohno N, et al. **Acta Med Okayama** 1981 Feb; 35(1):27–35
Determination of kallikrein by radioimmunoassay in human body fluids. Mann K, et al. **Agents Actions** 1980 Sep; 10(4):329–34
Measurement of IgG antibodies against timothy pollen allergens. A high capacity microtiter assay procedure. Prahl P, et al. **Allergy** 1981 Feb;36(2):123–7
Comparison of 'direct' and 'indirect' zirconyl-phosphate technics for carcinoembryonic antigen determination in plasma from patients having benign or malignant disease. Koch M, et al. **Am J Clin Pathol** 1980 Oct;74(4):465–9
Comparative evaluation of radioimmunoassay kits used for testing blood for hepatitis B surface antigen. Nath N, et al. **Am J Clin Pathol** 1981 Feb;75(2):214–8
Use of a rapid radioimmunoassay for pregnancy-specific beta-1 glycoprotein in gynecologic emergencies: comparison with routine urinary pregnancy test and a rapid radioimmunoassay for human chorionic gonadotropin. Siiteri JE, et al. **Am J Obstet Gynecol** 1981 Apr 15; 139(8):968–70
Rapid radioimmunoassay for serum myoglobin. Reichlin M, et al. **Am J Physiol** 1980 Oct;239(4):H565–H569
Desmosine radioimmunoassay for measuring elastin degradation in vivo. Harel S, et al. **Am Rev Respir Dis** 1980 Nov;122(5):769–73
The radioimmunoassay of human serum albumin with antibody adsorbed on porous glass beads. Aw SE.
Ann Acad Med Singapore 1980 Jan;9(1):85–7
Solid phase radioimmunoassays (SPRIA) using antibodies covalently bound to controlled pore glass (CPG). Odstrchel G. **Ann Acad Med Singapore** 1980 Jan;9(1):77–84
A microtiter solid phase radioimmunoassay for total serum IgE. Cheung NK, et al. **Ann Allergy** 1981 Mar;46(3):132–6
Comparison of methods of performing the radioallergosorbant test [letter] Curran JF. **Ann Allergy** 1981 Apr;46(4):231–2
Clinical accuracy of updated version of the Phadebas RAST test. De Filippi I, et al. **Ann Allergy** 1981 May;46(5):249–55
A radioimmunoassay for ethinyl oestradiol in plasma incorporating an immunosorbent, pre-assay purification procedure. Dyas J, et al. **Ann Clin Biochem** 1981 Jan;18(Pt 1):37–41
Evaluation of an automated radioimmunoassay for serum cortisol. Valdes R Jr, et al. **Ann Clin Lab Sci** 1980 Nov-Dec;10(6):508–14
A simplified radioimmunoassay for plasma aldosterone. Walsh PR, et al. **Ann Clin Lab Sci** 1981 Mar-Apr; 11(2):138–45
Sensitive radioimmunoassay for vancomycin. Fong KL, et al. **Antimicrob Agents Chemother** 1981 Jan;19(1):139–43
Substrate-labeled fluorescent immunoassay for amikacin in human serum. Thompson SG, et al.
Antimicrob Agents Chemother 1980 Aug;18(2):264–8
A sensitive solid phase microradioimmunoassay for anti-double stranded DNA antibodies. Fish F, et al.
Arthritis Rheum 1981 Mar;24(3):534–43
Study on the enzymatic 5'-deiodination of 3',5'-diiodothyronine using a radioimmunoassay for 3'-iodothyronine. Visser TJ, et al.
Biochim Biophys Acta 1980 Aug 13;631(2):246–52
Specific radioimmunoassay for the detection of a purified porcine zona pellucida antigen (PPZA). Subramanian MG, et al. **Biol Reprod** 1981 May;24(4):933–43
Prenatal diagnosis of hemophilia B by an immunoradiometric assay of factor IX. Holmberg L, et al. **Blood** 1980 Sep; 56(3):397–401
Radioimmunoassay of erythropoietin. Garcia JF, et al.
Blood Cells 1979 Aug;5(3):405–19
Development of a radioimmunoassay for colony stimulating factor. Shadduck RK, et al. **Blood Cells** 1979 Aug; 5(3):421–34
Measurement of elastin degradation in vivo by desmosine radioimmunoassay. Harel S, et al.
Bull Eur Physiopathol Respir 1980;16 Suppl:75–82
The measurement of elastin turnover by the radioimmunoassay of urinary desmosine excretion. King GS, et al. **Bull Eur Physiopathol Respir** 1980;16 Suppl:61–4
Clinical pharmacology of IMPY by radioimmunoassay. Fong KL, et al. **Cancer Treat Rep** 1980;64(12):1253–60
A double antibody radioimmunoassay for canine cardiac cathepsin D. Samarel AM, et al. **Cardiovasc Res** 1981 Feb; 15(2):68–73
A method for estimation of circulating immune complexes after oral challenge with ovalbumin. Inganäs M, et al.
Clin Allergy 1980 May;10(3):293–302
Microencapsulated antibodies in radioimmunoassay. III. Determination of cortisol. Bordens RW, et al.
Clin Chem 1980 Apr;26(5):633–4
A radioimmunoassay for 1,25-dihydroxycholecalciferol. Bouillon R, et al. **Clin Chem** 1980 Apr;26(5):562–7
Nonspecific binding in thyrotropin radioimmunoassay with double-antibody separation [letter] Chen IW, et al.
Clin Chem 1981 Jan;27(1):206–7
Method for rapidly estimating specific radioactivity and radiochemical purity of radioiodinated peptide hormones used in radioimmunoassays [letter] Chen M, et al.
Clin Chem 1981 Apr;27(4):632
A strategy for radioimmunoassay of plasma progesterone with use of a homologous-site 125I-labeled radioligand. Corrie JE, et al. **Clin Chem** 1981 Apr;27(4):594–9
Automated solid-phase assay for estimation of thyroxine binding capacity in a screening program for congenital hypothyroidism [letter] Dussault JH, et al. **Clin Chem** 1981 Apr;27(4):643
Melanoma detection by enzyme-radioimmunoassay of L-dopa, dopamine, and 3-O-methyldopamine in urine. Faraj BA, et al. **Clin Chem** 1981 Jan;27(1):108–12
Effect of outlying standard points on curve fitting in radioimmunoassay. Hawker FJ, et al. **Clin Chem** 1981 Jan; 27(1):14–7
Polyethylene glycol and second antibody in radioimmunoassay of human choriogonadotropin [letter] Horn H, et al. **Clin Chem** 1980 Apr;26(5):666–7
Microcomputer program for RIA data reduction and other laboratory calculations [letter] Joern WA. **Clin Chem** 1981 Jun;27(6):1147
Double-antibody radioimmunoassay of thyroid microsomal antibody in serum. Kung VT, et al. **Clin Chem** 1981 Jan; 27(1):39–42
Application of a sequence-specific radioimmunoassay for the carboxyl-terminal region of corticotropin. Lazarus LH, et al. **Clin Chem** 1981 Apr;27(4):549–52
125I radioimmunoassay of delta-9-tetrahydrocannabinol in blood and plasma with a solid-phase second-antibody separation method. Owens SM, et al. **Clin Chem** 1981 Apr; 27(4):619–24
Urinary metanephrine radioimmunoassay: comparison with the colorimetric assay. Raum WJ, et al. **Clin Chem** 1981 Jan;27(1):43–7
Positive interference by danazol in a testosterone radioimmunoassay kit procedure. Sharp AM, et al.
Clin Chem 1981 Apr;27(4):603–4
Lectins used to prepare serum free of glycoprotein hormones for use as a matrix in radioimmunoassay. Stuart MC, et al. **Clin Chem** 1981 Jan;27(1):52–6
Sensitive and specific radioimmunoassay for creatine kinase BB isoenzyme in serum, with use of an autoantibody. Urdal P, et al. **Clin Chem** 1981 Jan;27(1):83–7
A simple radioimmunoassay of acebutolol in plasma. Gourmel B, et al. **Clin Chim Acta** 1980 Dec 8;108(2):229–37
A radioimmunoassay for the measurement of tetrahydroaldosterone 3-glucosiduronic acid in human plasma. Jowett TP, et al. **Clin Chim Acta** 1981 Jan 22; 109(2):133–44
Improved radioimmunoassay technique for measuring serum thymopoietin. Lisi PJ, et al. **Clin Chim Acta** 1980 Oct 23; 107(1–2):111–9
Problems associated with the radioimmunoassay of serum trypsin. O'Connor CM, et al. **Clin Chim Acta** 1981 Jul 18; 114(1):29–35
Special problems of the radioimmunoassay for gut hormones. Straus E. **Clin Gastroenterol** 1980 Sep;9(3):555–65 (23 ref.)
Radioimmunoassay of plasma ethinylestradiol in the presence of circulating norethindrone. Stanczyk FZ, et al.
Contraception 1980 Nov;22(5):457–70
A competitive radioimmunoassay for the differentiation of poliovirus subtypes. Talbot P. **Dev Biol Stand** 1981;47:303–6
A solid phase radioimmunoassay for poliovirus D-antigen. Talbot P. **Dev Biol Stand** 1981;47:87–90
Radioimmunoassay: its relevance to diabetes mellitus. Yalow RS. **Diabetes Care** 1981 Jan-Feb;4(1):47–53
Plasma beta-thromboglobulin in diabetes mellitus. Borsey DQ, et al. **Diabetologia** 1980 May;18(5):353–7
Radioimmunoassay method for baboon plasma gonadotropins. Su JH, et al. **Endocrinol Jpn** 1980 Aug; 27(4):513–20
Normal mammary cells in long term culture. I. development of hormone-dependent functional monolayer cultures and assay of alpha-lactalbumin production. Ray DB, et al.
Endocrinology 1981 Feb;108(2):573–83
A simple unifying procedure for radioimmunoassay of thyroxine, triiodothyronine and reverse triiodothyronine in unextracted serum. Slebodziński AB, et al.
Endokrynol Pol 1980 Nov-Dec;31(6):537–48
Thyrotropin-releasing hormone radioimmunoassay in human serum and its application in thyroidal pathology. Guignier F, et al. **Eur J Nucl Med** 1981 Feb;6(2):73–8
The use of coated charcoal in the determination of oestrogen receptor activity. Ralet PG, et al. **Eur J Nucl Med** 1981 Apr;6(4):159–62
An improved off-line program for Intertechnique system users. Silberring J, et al. **Eur J Nucl Med** 1981 Mar; 6(3):119–20
Capillary radioimmunoassay of insulin. Zick R, et al.
Eur J Nucl Med 1980 Oct;5(5):423–5
Composition and efficacy of iodothyronine immunogens and host responsiveness in radioimmunoassay (RIA) for serum thyroxine (T4). Margherita S, et al. **Experientia** 1981 Mar 15;37(3):314–5
A rapid radioimmunoassay method for serum luteinizing hormone utilizing polyethylene glycol and a double-antibody method of separation. Seibel MM, et al.
Fertil Steril 1981 Jan;35(1):36–9
Sensitive immunological detection of translation products in SV40 plaques. Reiser J, et al. **Gene** 1980 Dec;12(1–2):11–6
A comparison of two radioimmunoassay methods for the detection of carcinoembryonic antigen in patients with ovarian or cervical cancer. Magon H, et al.
Gynecol Oncol 1981 Jun;11(3):340–7
Specific antibodies for radioimmunoassay of 4-hydroxyestrogens and their characterization by 125I-labelled indicator haptens. Berg D, et al.
Hoppe Seylers Z Physiol Chem 1980 Nov;361(11):1743–6
Development and validation of radioimmunoassay of antidiuretic hormone in plasma. Sequeira RP, et al.
Indian J Med Res 1980 Sep;72:365–73
Immunological properties of Escherichia coli heat-stable enterotoxins: development of a radioimmunoassay specific for heat-stable enterotoxins with suckling mouse activity. Frantz JC, et al. **Infect Immun** 1981 Jul;33(1):193–8
Development of a radioimmunoassay for Escherichia coli heat-stable enterotoxin: comparison with the suckling mouse bioassay. Giannella RA, et al. **Infect Immun** 1981 Jul;33(1):186–92
Detection of candida antigenemia in human invasive candidiasis by a new solid phase radioimmunoassay. Stevens P, et al. **Infection** 1980;8 Suppl 3:S 334–8
Improved fitting of radioimmunoassay data by Scatchard analysis. Smigel MD, et al. **Int J Biomed Comput** 1981 May; 12(3):189–203
A new radioimmunoassay of serum ferritin: use of 125I-labeled human spleen antigen and a solid phase second antibody. Guilleux F, et al. **Int J Nucl Med Biol** 1981; 8(1):17–26
Microtiter solid-phase radioimmunoassay for specific immunoglobulin E. Reid MJ, et al.
J Allergy Clin Immunol 1981 Apr;67(4):263–71
Development of a radioimmunoassay procedure for 4-acetamidobiphenyl, a metabolite of the chemical carcinogen 4-aminobiphenyl, in urine. Johnson HJ Jr, et al. **J Anal Toxicol** 1980 Mar-Apr;4(2):86–90
Radioligand assays-methods and applications. IV. Uniform regression of hyperbolic and linear radioimmunoassay calibration curves. Keilacker H, et al.
J Biochem Biophys Methods 1980 Oct;3(4):225–31
Radioimmunoassay of human urinary kallikrein: determination of human urinary kallikrein, II. Mann K, et al. **J Clin Chem Clin Biochem** 1980 Jul;18(7):395–401
Evaluation of a sensitive radioimmunoassay of plasma corticotropin using commercial reagents. Schöneshöfer M, et al. **J Clin Chem Clin Biochem** 1981 Feb;19(2):75–9
Four-layer radioimmunoassay for detection of adenovirus in stool. Halonen P, et al. **J Clin Microbiol** 1980 Jun; 11(6):614–7
Application of a radioimmunoassay screening test for

detection and management of phencyclidine intoxication. Kaul B, et al. **J Clin Pharmacol** 1980 Aug–Sep; 20(8–9):500–5

Identification of cardiac glycosides in human body fluids by a combination of high-performance liquid chromatography and radioimmunoassay. Fletcher SM, et al. **J Forensic Sci Soc** 1980 Jul;20(3):203–9

A combined high-performance liquid chromatography and immunoassay method for the analysis of morphine, codeine and their metabolites in biological fluids. Nelson PE, et al. **J Forensic Sci Soc** 1980 Jul;20(3):195–202

An attempt at quantitation of procollagens I and III and of collagen IV in tooth sections by exposure to the corresponding antibodies followed by 125I-protein A and radioautography. Wright GM, et al. **J Histochem Cytochem** 1980 Dec;28(12):1355–8

Antibody capture radioimmunoassay for anti-rubella IgM. Mortimer PP, et al. **J Hyg (Lond)** 1981 Apr;86(2):139–53

Diagnosis of recent hepatitis A infection: a comparison of two methods for detecting specific IgM. Mortimer PP, et al. **J Hyg (Lond)** 1981 Feb;86(1):71–8

A three-layer immunoradiometric assay for antibodies in different immunoglobulin classes and its application to the detection of chicken thyroglobulin autoantibodies and of antibodies to sheep erythrocytes. De Carvalho LC, et al. **J Immunol Methods** 1980;39(1–2):15–24

A solid phase, direct competition, radioimmunoassay for quantitation of secretory IgA in human serum. Delacroix DL, et al. **J Immunol Methods** 1981;40(3):345–58

A sandwich method of enzyme immunoassay. III. Assay for human beta-2 microglobulin compared with radioimmunoassay. Ferrua B, et al. **J Immunol Methods** 1980;36(2):149–58

A rapid method for the detection of antibodies to cell surface antigens: a solid phase radioimmunoassay using cell membranes. Howard FD, et al. **J Immunol Methods** 1980; 38(1–2):75–84

Typing of murine cell-surface antigens by cellular radioimmunoassay. Levy D, et al. **J Immunol Methods** 1981;41(3):333–41

A microtitre plate radioimmunoassay for the detection and semiquantitation of housedust mite, rye grass pollen and cow's milk specific IgG antibodies. Mahoney GN, et al. **J Immunol Methods** 1980;39(1–2):127–33

Partition affinity ligand assay (PALA): radioimmunoassay of digoxin. Mattiasson B. **J Immunol Methods** 1980; 35(1–2):137–46

Solid phase radioimmunoassay for detection of circulating food protein antigens in human serum. Paganelli R, et al. **J Immunol Methods** 1980;37(3–4):333–41

A polyethylene glycol-based radioimmunoassay for gastrin. Pillai S, et al. **J Immunol Methods** 1980;39(1–2):181–4

Detection of immune complexes using a solid-phase C1q polystyrene ball assay. Pohl DA, et al. **J Immunol Methods** 1981;40(3):313–30

Measurement of immunoglobulin production by peripheral blood mononuclear cells in vitro using a solid-phase immunoradiometric assay. Roffe LM, et al. **J Immunol Methods** 1981;43(1):59–66

Radioimmunoassay for H-Y antigen. Savikurki H, et al. **J Immunol Methods** 1981;41(3):343–9

A simple radioimmunoassay to determine binding of antibodies to lipid antigens. Smolarsky M. **J Immunol Methods** 1980;38(1–2):85–93

Sandwich radioimmunolabeling for the study of surface properties of bone marrow lymphocytes. Yoshida Y, et al. **J Immunol Methods** 1980;39(1–2):59–69

A double-antibody radioimmunoassay for specific IgE to ragweed antigen E. Grammer LC, et al. **J Lab Clin Med** 1981 Aug;98(2):181–8

Chlamydial serum IgG, IgA and local IgA antibodies in patients with genital-tract infections measured by solid-phase radioimmunoassay. Terho P, et al. **J Med Microbiol** 1981 Feb;14(1):77–87

Detection of human cytomegalovirus-specific IgG antibodies by a sensitive solid-phase radioimmunoassay and by a rapid-screening test. Kimmel N, et al. **J Med Virol** 1980; 5(3):195–203

New bacterial absorption method for determination of hepatitis A IgM and IgA antibodies. Löfgren B, et al. **J Med Virol** 1980;6(1):37–44

Evaluation of a new radioimmunoassay for detecting hepatitis B e antigen and its antibody. Löfgren B, et al. **J Med Virol** 1980;5(4):323–30

Detection by radioimmunoassay of IgM class antibody to hepatitis B core antigen: a comparison of two methods. Tedder RS, et al. **J Med Virol** 1980;6(3):235–47

Evaluation and comparison of two fully automated radioassay systems with distinctly different modes of analysis. Chen IW, et al. **J Nucl Med** 1980 Dec; 21(12):1162–8

Total and free (dialyzable) cortisol assay in plasma: comparison of two RIA methods involving the use of antibody-coated test tubes. Del Chicca MG, et al. **J Nucl Med Allied Sci** 1981 Jan–Jun;25(1–2):35–40

Simultaneous plasma radioimmunoassay of estradiol, progesterone, 17-hydroxy-progesterone, testosterone and androstenedione in farm animals. Inaudi P, et al. **J Nucl Med Allied Sci** 1980 Jul–Dec;24(3–4):127–33

Radioimmunoassay of SP1 (pregnancy-specific beta1-glycoprotein) in maternal blood and in amniotic fluid normal and pathologic pregnancies. Würz H, et al. **J Perinat Med** 1981;9(2):67–78

A sensitive benzodiazepine radioimmunoassay of broad specificity. Robinson K, et al. **J Pharm Pharmacol** 1980 Nov;32(11):773–7

A sensitive radioimmunoassay for colchicine. Scherrmann JM, et al. **J Pharm Pharmacol** 1980 Nov;32(11):800–2

Radioimmunoassay of cyclazocine and stereospecificity of antibody. Maeda M, et al. **J Pharmacobiodyn** 1981 Mar; 4(3):167–74

Determination of a new hypoglycemic drug, gliclazide, in human serum by radioimmunoassay. Suzuki H, et al. **J Pharmacobiodyn** 1981 Mar;4(3):217–25

Stereospecific radioimmunoassay of alpha-l-acetylmethadol (LAAM). McGilliard KL, et al. **J Pharmacol Exp Ther** 1980 Oct;215(1):205–12

A specific radioimmunoassay for evaluation of serum antibodies to zona pellucida antigens. Gerrity M, et al. **J Reprod Immunol** 1981 May;3(1):59–70

Circulating antibodies to ovine and bovine immunoglobulin in healthy subjects: a hazard for immunoassays [letter] Hunter WM, et al. **Lancet** 1980 Nov 22;2(8204):1136

The development of a radioimmunoassay for ranitidine in biological fluids. Jenner WN, et al. **Life Sci** 1981 Mar 23; 28(12):1323–9

A rationale for the application of trasylol as a protease inhibitor in radioimmunoassay. Zyznar ES. **Life Sci** 1981 Apr 27;28(17):1861–6 (68 ref.)

A coated-tube radioimmunoassay for beta-thromboglobulin. Kuronen B, et al. **Med Biol** 1980 Oct;58(5):264–8

Polyethylene glycol 6000 as an accelerator in a double antibody radioimmunoassay system. Henley R, et al. **Med Lab Sci** 1980 Oct;37(4):367–9

Microfiltration as a means of separating free antigen from antigen-antibody complexes in immunoassay. Chalkley SR, et al. **Methods Enzymol** 1980;70(A):305–14

Ammonium sulfate and polyethylene glycol as reagents to separate antigen from antigen-antibody complexes. Chard T. **Methods Enzymol** 1980;70(A):280–91

Use of zirconyl phosphate gel for the separation of antigens from antigen-antibody complexes in radioimmunoassays: assays for carcinoembryonic antigen, alpha-fetoprotein, and insulin. Coffey JW, et al. **Methods Enzymol** 1980; 70(A):299–305

Labeled antibodies and their use in the immunoradiometric assay. Hales CN, et al. **Methods Enzymol** 1980;70(A):334–55

125I-Labeled protein A: reactivity with IgG and use as a tracer in radioimmunoassay. Langone JJ. **Methods Enzymol** 1980;70(A):356–75

The RAST principle and the use of mixed-allergen RAST as a screening test for IgE-mediated allergies. Merrett TG, et al. **Methods Enzymol** 1980;70(A):376–87

Use of the double-antibody method to separate antibody bound from free ligand in radioimmunoassay. Midgley AR Jr, et al. **Methods Enzymol** 1980;70(A):266–74

Lactoperoxidase-catalyzed iodination as a tool for investigation of proteins. Morrison M. **Methods Enzymol** 1980;70(A):214–20

Use of charcoal to separate antibody complexes from free ligand in radioimmunoassay. Odell WD. **Methods Enzymol** 1980;70(A):274–9

Semiautomation of Immunoassays by use of magnetic transfer devices. Smith KO, et al. **Methods Enzymol** 1980; 70(A):388–416

Use of hydroxyapatite in radioimmunoassay. Trafford DJ, et al. **Methods Enzymol** 1980;70(A):291–8

Radioimmunoassays: an overview. Van Vunakis H. **Methods Enzymol** 1980;70(A):201–9

Development of radioimmunoassays for drugs. Paxton JW. **Methods Find Exp Clin Pharmacol** 1981 Mar–Apr; 3(2):105–17 (55 ref.)

Immunoradiometric assay of human leukocyte interferon using monoclonal antibody. Secher DS. **Nature** 1981 Apr 9;290(5806):501–3

Radioimmunoassay for detection of anti-oligodendrocyte antibodies. Rostami A, et al. **Neurosci Lett** 1981 May 6; 23(2):143–8

Determination of initial immunotherapy dose for ragweed hypersensitivity with the modified RAST test. Nalebuff DJ, et al. **Otolaryngol Head Neck Surg** 1981 Mar–Apr; 89(2):271–4

A report on two interlaboratory surveys of serum ferritin estimation. Blunden RW, et al. **Pathology** 1980 Oct; 12(4):575–85

Evaluation of enzymic and radioimmunoassay methods for measuring serum bile acids. Collins DM, et al. **Pathology** 1980 Oct;12(4):623–9

Application of a radioimmunoassay (RIA) for monitoring immune response to porcine zonae pellucidae. Sacco AG, et al. **Proc Soc Exp Biol Med** 1981 Jul;167(3):318–26

A C-terminal radioimmunoassay for human parathyrin. Esbrit P, et al. **Rev Esp Fisiol** 1980 Dec;36(4):433–8

Further observations on radioimmunoassay for thyroglobulin-binding capacity in human serum. Salabè GB. **Ric Clin Lab** 1980 Jul–Sep;10(3):533–44

Determination of urinary cholic and chenodeoxycholic acid conjugates with radioimmunoassay. Samuelson K, et al. **Scand J Clin Lab Invest** 1980 Oct;40(6):555–61

Radioimmunoassay for tricyclic antidepressants. Virtanen R. **Scand J Clin Lab Invest** 1980 Apr;40(2):191–7

The beta-thromboglobulin test [letter] Franchi F, et al. **Thromb Haemost** 1980 Oct 31;44(2):107

Fibrinopeptide A (FPA) radioimmunoassay influence of the affinity of the second antibody for FPA antiserum. Harenberg J, et al. **Thromb Res** 1981 Feb–Mar; 21(4–5):531–2

Plasma concentrations of 18-hydroxy-11-deoxycorticosterone and 18-hydroxycorticosterone simultaneously measured in normal subjects and adrenocortical disorders. Ojima M, et al. **Tohoku J Exp Med** 1980 Sep;132(1):75–85

A solid-phase radioimmunoassay for free thyroxine in serum compared with equilibrium dialysis method. Yoshida K, et al. **Tohoku J Exp Med** 1980 Dec;132(4):375–83

Measurement of triiodothyronine in urine. Yoshida K, et al. **Tohoku J Exp Med** 1980 Dec;132(4):389–95

A simple technique for enhancing the sensitivity of a commercial solid-phase radioimmunoassay for hepatitis B surface antigen (HBsAg). Nath N, et al. **Transfusion** 1981 Jul–Aug;21(4):457–61

Immunochemical characteristics of human anti-T antibodies. Kim YD. **Vox Sang** 1980 Sep;39(3):162–8

[Human thyrotropin radioimmunoassay (heterogenous system) and its clinical application (author's transl)] Lin XT. **Chung Hua Nei Ko Tsa Chih** 1979;18(3):192–6 **(Chi)**

[Radioimmunoassay of hepatitis B surface antigen and its antibody--a comparison of CombRIA, AUSRIA II-125, and AUSAB sets] Kseliková M, et al. **Cas Lek Cesk** 1980 Sep 12;119(36–37):964–7 (Eng. Abstr.) **(Cze)**

[Antibody e against hepatitis B virus estimated by radioimmunoassay (author's transl)] Kseliková M, et al. **Cas Lek Cesk** 1981 Apr 30;120(17):510–2 (Eng. Abstr.) **(Cze)**

[Antibody against hepatitis A virus--radioimmunological proof in convalescents and in immunoglobulins (author's transl)] Novák J, et al. **Cas Lek Cesk** 1980 Sep 12; 119(36–37):961–4 (Eng. Abstr.) **(Cze)**

[Radioimmunoassay of protein hormones. Clinical importance in Morocco] Chbicheb A, et al. **Maroc Med** 1980 Mar;2(1):97–101 (Eng. Abstr.) **(Fre)**

[Radioimmunofixation: a new technic for characterizing immunoglobulins in unconcentrated cerebrospinal fluid. Preliminary results] Chazot G, et al. **Rev Neurol (Paris)** 1980;136(11):783–6 (Eng. Abstr.) **(Fre)**

[Radioligand assay: method and application. II. Effect of glucagon coupling on the production of glucagon antisera with suitable binding parameters for radioimmunoassay] Ziegler M, et al. **Acta Biol Med Ger** 1980;39(2–3):305–14 (Eng. Abstr.) **(Ger)**

[Immunoenzyme technics as an alternative to radioimmunoassay] Vogt W. **Internist (Berlin)** 1981 May; 22(5):308–12 **(Ger)**

[Radioimmunoassay for the demonstration of anti-HB-core antibody (HBcAb, anti-HBc (author's transl)] Kseliková M, et al. **Radiobiol Radiother (Berl)** 1980;21(2):197–8 **(Ger)**

[Methodical aspects of the ROTOP radioimmunoassay for radioimmunologic insulin determination in serum] Kellner K, et al. **Z Med Lab Diagn** 1980;21(3):145–50 (Eng. Abstr.) **(Ger)**

[RAST: a micromethod using whole blood (spot test)] Tassi GC, et al. **Boll Ist Sieroter Milan** 1980 Jan 31;58(6):512–6 (Eng. Abstr.) **(Ita)**

[Diagnosis with RAST in phenylglycine hydrochloride allergy (author's transl)] Cirla AM, et al. **Med Lav** 1980 Jan–Feb;71(1):82–7 (Eng. Abstr.) **(Ita)**

[Evaluation of the usefulness of the plasma parathormone level (iPTH) measured radioimmunologically using an anti-COOH-terminal antibody] Colussi G, et al. **Radiol Med (Torino)** 1980 Nov;66(11):857–9 **(Ita)**

[Determination of gastrinemia by a RIA method in clinical practice] Galbiati E, et al. **Radiol Med (Torino)** 1980 Nov; 66(11):835–6 **(Ita)**

[Allergologic diagnosis: the use of new radioisotopic tests] Ghezzi E, et al. **Radiol Med (Torino)** 1980 Nov;66(11):851–3 **(Ita)**

[Evaluation of a new rapid method for the RIA determination of CEA via gel filtration] Pravettoni G, et al. **Radiol Med (Torino)** 1980 Nov;66(11):846–7 **(Ita)**

[Usefulness of the radioimmunologic method in the clinical monitoring of high-dosage methotrexate cancer therapy] Raimondo S, et al. **Radiol Med (Torino)** 1980 Nov; 66(11):850–1 **(Ita)**

[Fundamental and clinical evaluation of radioimmunoassay for serum thyroxine by T4 Corning RIA kit (author's transl)] Ban Y, et al. **Horumon To Rinsho** 1980 Nov; 28(11):1279–83 **(Jpn)**

[Fundamental and clinical evaluation of Corning triiodothyronine radioimmunoassay kit (author's transl)] Ban Y, et al. **Horumon To Rinsho** 1980 Jul;28(7):839–46 **(Jpn)**

[Fundamental and clinical evaluation of Corning free thyroxine radioimmunoassay kit (author's transl)] Ban Y, et al. **Horumon To Rinsho** 1980 Oct;28(10):1251–8 **(Jpn)**

[Fundamental study and clinical evaluation of a free thyroxine radioassay kit (gamma coat) (author's transl)] Bito S, et al. **Horumon To Rinsho** 1980 Nov;28(11):1289–96 **(Jpn)**

[Fundamental and clinical evaluation of Spac T4 RIA Kit (author's transl)] Doi K, et al. **Horumon To Rinsho** 1980 Nov;28(11):1285–8 **(Jpn)**

[Evaluation of a rapid method for LH and FSH radioimmunoassay (author's transl)] Fukuchi M, et al. **Horumon To Rinsho** 1980 Nov;28(11):1341–8 **(Jpn)**

[Fundamental and clinical evaluation of beta-hCG radioimmunoassay (author's transl)] Fukuchi M, et al. **Horumon To Rinsho** 1980 Nov;28(11):1399–404 **(Jpn)**

[Fundamental and clinical evaluation of solid phase radioimmunoassay for alpha fetoprotein (author's transl)] Fukuchi M, et al. **Horumon To Rinsho** 1980 Jul;28(7):821–5 **(Jpn)**

[Improved method of radioimmunoassay for plasma renin activity in normal and low levels (author's transl)] Hamada K, et al. **Horumon To Rinsho** 1981 Jan;29(1):99–103 **(Jpn)**

[Studies on the TSH kit 'Daiichi' stabilizer (author's transl)] Hayakawa S, et al. **Horumon To Rinsho** 1980;28(6):711–5 **(Jpn)**

[Studies on measurement of plasma IRG using glucagon RIA kit (author's transl)] Higa S, et al. **Horumon To Rinsho** 1980 Sep;28(9):1133–7 **(Jpn)**

[Fundamental and clinical evaluation of serum triiodothyronine (T3) by SPAC T3 RIA kit (author's transl)] Hiraiwa T, et al. **Horumon To Rinsho** 1981 Jan; 29(1):121–5 **(Jpn)**

[Solid phase radioimmunoassay of serum cortisol by SPAC Cortisol Kit (author's transl)] Hiramatsu R, et al. **Horumon To Rinsho** 1980;28(6):691–5 **(Jpn)**

[Solid phase radioimmunoassay of serum cortisol by Konsul Cortisol Kit (author's transl)] Hiramatsu R, et al. **Horumon To Rinsho** 1980;28(6):697–702 **(Jpn)**

[Measurement of serum concentration of digoxin by radioimmunoassay--emphasis on renal failure patients (author's transl)] Iida S, et al. **Horumon To Rinsho** 1980 Nov;28(11):1389–93 **(Jpn)**

[Fundamental and clinical studies on determination of serum free thyroxine by IMMO PHASE FT4 radioimmunoassay (author's transl)] Ikekubo K, et al. **Horumon To Rinsho** 1980 Oct;28(10):1259–64 **(Jpn)**

[Fundamental and clinical studies of serum cortisol by solid phase radioimmunoassay (author's transl)] Ishimaru K. **Horumon To Rinsho** 1980 Apr;28(4):455–9 **(Jpn)**

[Radioimmunoassay for calcitonin and its application (author's transl)] Ishimaru K, et al. **Horumon To Rinsho** 1980 Oct;28(10):1227–30 **(Jpn)**

[Measurement of plasma cortisol by Gamma Coat (125I) Cortisol (author's transl)] Jibiki K, et al. **Horumon To Rinsho** 1980 Sep;28(9):1127–32 **(Jpn)**

[Fundamental and clinical studies on the measurement of serum PTH by using radioimmunoassay kit PTH 'Eiken'] Kadena N, et al. **Horumon To Rinsho** 1980 Jul;28(7):791–5 **(Jpn)**

[Basic and clinical evaluation of the measurement of thyroxine binding globulin (author's transl)] Kanao K, et al. **Horumon To Rinsho** 1980;28(6):677–84 **(Jpn)**

[Fundamental and clinical evaluation of C-peptide RIA kit 'Shionogi' (author's transl)] Kanao K, et al. **Horumon To Rinsho** 1980 Nov;28(11):1353–9 **(Jpn)**

[Fundamental examination of PTH RIA Kit and its clinical use (author's transl)] Kanao K, et al. **Horumon To Rinsho** 1980 Apr;28(4):481–4 **(Jpn)**

[Fundamental and clinical evaluation of T4 radioimmunoassay by solid phase method. Phadebas T4 RIA Kit (S-8537) (author's transl)] Kawamura N, et al. **Horumon To Rinsho** 1980 Apr;28(4):437–42 **(Jpn)**

[Basic evaluation of myoglobin RIA kit (PEG method) (author's transl)] Kishi M, et al. **Horumon To Rinsho** 1980 Aug;28(8):963–8 **(Jpn)**

[Fundamental investigation and clinical application of glucagon RIA kit 'Dainabot' (author's transl)] Kondo M, et al. **Horumon To Rinsho** 1980 Apr;28(4):467–70 **(Jpn)**

[Fundamental and clinical evaluation of IMMO Phase T4 RIA kit (author's transl)] Kousaka T, et al. **Horumon To Rinsho** 1980 Sep;28(9):1079–83 **(Jpn)**

[Fundamental and clinical evaluation of IMMOPHASE TBG RIA kit (Corning) (author's transl)] Kousaka T, et al. **Horumon To Rinsho** 1980 Oct;28(10):1265–71 **(Jpn)**

[Clinical application of the prolactin radioimmunoassay kit (author's transl)] Kubota T, et al. **Horumon To Rinsho** 1980 Nov;28(11):1405–9 **(Jpn)**

[Clinical study of rT3 kit (author's transl)] Kurihara S, et al. **Horumon To Rinsho** 1980 Aug;28(8):945–50 **(Jpn)**

[Investigation of Phadebas dry spot TSH test (author's transl)] Kuroda Y, et al. **Horumon To Rinsho** 1980 Oct; 28(10):1273–7 **(Jpn)**

[Studies on RIA of TSH, 'RIA-gnost kit' (author's transl)] Masuoka T, et al. **Horumon To Rinsho** 1980 Aug; 28(8):993–6 **(Jpn)**

[Measurement of free thyroxine in serum with radioimmunoassay (author's transl)] Mitsuma T, et al. **Horumon To Rinsho** 1981 Jan;29(1):127–31 **(Jpn)**

[Measurement of thyroxine binding globulin in serum by radioimmunoassay (author's transl)] Mitsuma T, et al. **Horumon To Rinsho** 1980;28(6):721–25 **(Jpn)**

[Measurement of total T4 and free T4 by solid phase radioimmunoassay (author's transl)] Mitsuma T, et al. **Horumon To Rinsho** 1980;28(6):667–72 **(Jpn)**

[Radioimmunoassay for human TSH (author's transl)] Mitsuma T, et al. **Horumon To Rinsho** 1980 Nov; 28(11):1329–33 **(Jpn)**

[Measurement of triiodothyronine by solid phase radioimmunoassay (author's transl)] Mitsuma T, et al. **Horumon To Rinsho** 1980 Aug;28(8):975–8 **(Jpn)**

[Basic evaluation of 'Corning' RIA Kit with solid phase method for T3 determination (author's transl)] Morita O, et al. **Horumon To Rinsho** 1980 Nov;28(11):1305–9 **(Jpn)**

[Evaluation of solid phase radioimmunoassay for TBG (author's transl)] Morita T, et al. **Horumon To Rinsho** 1980 Sep;28(9):1093–9 **(Jpn)**

[Studies on testosterone 125I-radioimmunoassay 'Eiken' and its application to the HCG test in endocrine disorders (author's transl)] Murakami O, et al. **Horumon To Rinsho** 1980 Apr;28(4):461–5 **(Jpn)**

[Studies on TBG measurement with radioimmunoassay kit (author's transl)] Nakagawa T, et al. **Horumon To Rinsho** 1980 Oct;28(10):1237–43 **(Jpn)**

[Studies on shortening the time for TSH measurement by precipitate stabilizer (author's transl)] Nakajima K, et al. **Horumon To Rinsho** 1980;28(6):703–10 **(Jpn)**

[Measurement of plasma cortisol by solid phase radioimmunoassay (author's transl)] Nanno M, et al. **Horumon To Rinsho** 1980 Nov;28(11):1415–20 **(Jpn)**

[Fundamental studies on secretin-radioimmunoassay kit method and the results of its clinical application (author's transl)] Narasaki Y, et al. **Horumon To Rinsho** 1980 Oct; 28(10):1211–5 **(Jpn)**

[Measurement of serum TSH by Riagnost TSH (author's transl)] Nihei N, et al. **Horumon To Rinsho** 1980 Oct; 28(10):1245–9 **(Jpn)**

[Clinical evaluation of Konsul cortisol RIA kit as a method of serum cortisol estimation. (author's transl)] Niinomi M, et al. **Horumon To Rinsho** 1980;28(6):685–90 **(Jpn)**

[Radioimmunoassay of serum triiodothyronine by the SPAC-T3 kit (author's transl)] Nishibata H, et al. **Horumon To Rinsho** 1980 Jul;28(7):797–801 **(Jpn)**

[Studies on the determination of cortisol by Gamma Coat kit (author's transl)] Nishikawa T, et al. **Horumon To Rinsho** 1980 Apr;28(4):471–6 **(Jpn)**

[Radioimmunoassay of plasma pancreatic glucagon using a specific anti-glucagon sera (OAL-123) (author's transl)] Nishimura N, et al. **Horumon To Rinsho** 1980 Sep; 28(9):1109–13 **(Jpn)**

[Measurement of serum TSH concentration by radioimmunoassay (author's transl)] Nogimori T, et al. **Horumon To Rinsho** 1981 Feb;29(2):245–50 **(Jpn)**

[Detection of digoxin concentration by Phadebas digoxin RIA (author's transl)] Nomura A, et al. **Horumon To Rinsho** 1980 Jul;28(7):827–31 **(Jpn)**

[Measurement of glucagon by radioimmunoassay kit (author's transl)] Ohneda A, et al. **Horumon To Rinsho** 1981 Feb; 29(2):265–9 **(Jpn)**

[Fundamental evaluation of SPAC T3 radioimmunoassay kit (author's transl)] Ohta A, et al. **Horumon To Rinsho** 1980 Oct;28(10):1217–22 **(Jpn)**

[Radioimmunoassay for alpha-fetoprotein by polyethylene glycol precipitation, and decreasing pattern of serum alpha-fetoprotein in early infancy (author's transl)] Okada J, et al. **Horumon To Rinsho** 1980 Nov;28(11):1369–74 **(Jpn)**

[Examination of HFSH 'Eiken' and HLH 'Eiken' kits (author's transl)] Okamura T, et al. **Horumon To Rinsho** 1980 Jul;28(7):785–90 **(Jpn)**

[Basic evaluation of 'SPAC' RIA with solid phase method for cortisol determination (author's transl)] Okuda G, et al. **Horumon To Rinsho** 1980 Jul;28(7):803–8 **(Jpn)**

[Radioimmunoassay of plasma pancreatic glucagon using a pancreatic glucagon specific antiserum (author's transl)] Okumura N, et al. **Horumon To Rinsho** 1980 Aug; 28(8):979–83 **(Jpn)**

[Experience of Gamma Dab AFP radioimmunoassay kit (author's transl)] Okura H, et al. **Horumon To Rinsho** 1980 Nov;28(11):1381–7 **(Jpn)**

[Studies on Gamma Coat (125I) Cortisol Kit for the clinical application (author's transl)] Oseko F, et al. **Horumon To Rinsho** 1980 Aug;28(8):999–1004 **(Jpn)**

[Basic and clinical evaluation of alpha-fetoprotein radioimmunoassay kit (author's transl)] Otsuka S, et al. **Horumon To Rinsho** 1980 Nov;28(11):1375–9 **(Jpn)**

[Studies on 'Gamma Coat' kit to determine plasma or urinary cortisol (author's transl)] Saito Z, et al. **Horumon To Rinsho** 1980;28(6):673–6 **(Jpn)**

[Studies on a new radioimmunoassay kit for glucagon (author's transl)] Sakurai H, et al. **Horumon To Rinsho** 1981 Feb;29(2):271–6 **(Jpn)**

[Studies on the TSH kit 'Daiichi' precipitate stabilizer (author's transl)] Sato R, et al. **Horumon To Rinsho** 1980 Nov;28(11):1335–9 **(Jpn)**

[Fundamental and clinical studies on Konsul cortisol RIA kit with solid phase (author's transl)] Shimozawa K, et al. **Horumon To Rinsho** 1980 Jul;28(7):809–14 **(Jpn)**

[Fundamental and clinical studies on Glucagon RIA kit (author's transl)] Shirayama K, et al. **Horumon To Rinsho** 1980 Aug;28(8):951–5 **(Jpn)**

[Preliminary evaluation and clinical application of SPAC cortisol kit (solid phase RIA) (author's transl)] Sueoka S, et al. **Horumon To Rinsho** 1980 Sep;28(9):1101–7 **(Jpn)**

[Clinical evaluation and radioimmunoassay of serum myoglobin (author's transl)] Suzuki S, et al. **Horumon To Rinsho** 1980 Nov;28(11):1411–4 **(Jpn)**

[Fundamental and clinical evaluation of FSH and LH using FSH RIA RAC and LH RIA PAC (author's transl)] Tajima C, et al. **Horumon To Rinsho** 1980 Apr;28(4):447–53 **(Jpn)**

[Radioimmunoassay for 3',5'-diiodothyronine (3',5'-T2) (author's transl)] Takagi J, et al. **Horumon To Rinsho** 1981 Feb;29(2):229–32 **(Jpn)**

[Mensuration of triiodothyronine in blood with SPAC T3 RIA Kit (author's transl)] Tatemichi S, et al. **Horumon To Rinsho** 1980 Nov;28(11):1297–304 **(Jpn)**

[A study of the glucagon RIA kit (author's transl)] Tominaga M, et al. **Horumon To Rinsho** 1980 Nov;28(11):1323–7 **(Jpn)**

[Fundamental studies and clinical application of the radioimmunoassay kit for glucagon (DRL-9H6-1125) (author's transl)] Tominaga M, et al. **Horumon To Rinsho** 1980 Oct;28(10):1231–5 **(Jpn)**

[Basic and clinical studies on human calcitonin RIA kit (author's transl)] Tomita A, et al. **Horumon To Rinsho** 1981 Jan;29(1):109–13 **(Jpn)**

[A study on the determination of plasma renin activity (Pharmacia Kit) (author's transl)] Tomiura S, et al. **Horumon To Rinsho** 1980 Aug;28(8):985–91 **(Jpn)**

[Measurement of plasma aldosterone concentration using 125I-aldosterone and antibody-coated tube method, and age-related changes of plasma aldosterone concentration (author's transl)] Ueno Y, et al. **Horumon To Rinsho** 1981 Jan;29(1):85–9 **(Jpn)**

[The evaluation of the screening kit for cretinism 'Daiichi' for TSH assay using filter paper blood samples (author's transl)] Umeda M, et al. **Horumon To Rinsho** 1981 Jan; 29(1):115–20 **(Jpn)**

[Radioimmunoassay for pancreatic glucagon (author's transl)] Yamada Y, et al. **Horumon To Rinsho** 1980 Sep; 28(9):1115–9 **(Jpn)**

[Rapid immunoassay of LH, FSH by addition of precipitating stabilizer: basic and clinical studies] Yamoto M, et al. **Horumon To Rinsho** 1980 Jul;28(7):815–9 **(Jpn)**

[Basic and clinical study of hCG--beta measured by hCG-beta test kit (author's transl)] Yanaihara T, et al. **Horumon To Rinsho** 1981 Jan;29(1):105–8 **(Jpn)**

[Assessment of thyroid function by the Phadebas T4 RIA (author's transl)] Yonezawa K, et al. **Horumon To Rinsho** 1980;28(6):717–20 **(Jpn)**

[The basic and clinical evaluation of serum PTH by using PTH RIA Kit (CIS) (author's transl)] Yoshida H, et al. **Horumon To Rinsho** 1980 Apr;28(4):477–80 **(Jpn)**

[The examination for radioimmunoassay cyclic nucleotide kit of Hoechst (author's transl)] Yoshida M, et al. **Horumon To Rinsho** 1980 Nov;28(11):1361–7 **(Jpn)**

[An evaluation of Konsul Insulin Kit in the insulin radioimmunoassay (author's transl)] Yoshida S, et al. **Horumon To Rinsho** 1980 Nov;28(11):1311–4 **(Jpn)**

[Studies on the radioimmunoassay kit for human C-peptide using the polyethylene glycol method (author's transl)] Yoshida T, et al. **Horumon To Rinsho** 1980 Nov; 28(11):1349–52 **(Jpn)**

[Measurement of serum ferritin levels by CIS ferritin RIA kit and significance of ferritin--iron ratio in diagnosis of malignancies (author's transl)] Yoshii M, et al. **Horumon To Rinsho** 1981 Feb;29(2):257–64 **(Jpn)**

[Radioimmunoassays of 3H-fortimicins (author's transl)] Okumura S, et al. **Jpn J Antibiot** 1980 Oct;33(10):1125–8 (Eng. Abstr.) **(Jpn)**

[Fundamental and clinical evaluation of C-peptide radioimmunoassay kit (author's transl)] Fukuchi M, et al. **Kaku Igaku** 1980 Dec;17(10):1315–24 **(Jpn)**

[Radioimmunoassay of thyrotropin-releasing hormone in human plasma (author's transl)] Ishihara M, et al. **Kaku Igaku** 1980 Jul;17(5):593–9 **(Jpn)**

[Radioimmunoassay of luteinizing hormone releasing hormone in human plasma (author's transl)] Ishihara M, et al. **Kaku Igaku** 1980 Dec;17(10):1299–306 **(Jpn)**

[Radioimmunoassay of trypsin and its clinical application (author's transl)] Kihara A, et al. **Kaku Igaku** 1980 Aug; 17(7):845–50 **(Jpn)**

[An evaluation of a T3 radioimmunoassay kit using Solid Phase method: SPAC T3 RIA kit (author's transl)] Koizuma K, et al. **Kaku Igaku** 1980 Aug;17(7):833–8 **(Jpn)**

[Evaluation of a solid-phase radioimmunoassay kit for free thyroxine, GammaCoat FT4 (author's transl)] Konishi J, et al. **Kaku Igaku** 1980 Sep;17(8):963–70 **(Jpn)**

[Fundamental studies of TSH radioimmunoassay by delayed addition method and precipitate stabilizer (author's transl)] Ohguchi M, et al. **Kaku Igaku** 1980 Jul;17(6):707–10 **(Jpn)**

[Thyroxin in dried blood spot as a primary index in mass screening program for neonatal hypothyroidism (author's transl)] Saito T, et al. **Kaku Igaku** 1980 Jul;17(6):747–54 **(Jpn)**

[Comparative studies on the measurements of serum thyroxine using antibody-coated test tubes and polyethylene glycol (author's transl)] Tanaka K, et al. **Kaku Igaku** 1980 Jul;17(5):625–30 **(Jpn)**

[Measurement of serum ferritin values double antibody radioimmunoassay kit (author's transl)] Yoshii M, et al. **Kaku Igaku** 1980 Dec;17(10):1325–32 **(Jpn)**

[A simple method for measuring aldosterone secretion rate using 125I-aldosterone (authors' transl)] Haruyama K, et al. **Nippon Naibunpi Gakkai Zasshi** 1980 Aug 20; 56(8):1140–8 (Eng. Abstr.) **(Jpn)**

[The method of T4 radioimmunoassay using filter paper blood samples and its application for the early detection of neonatal hypothyroidism (author's transl)] Ito Y, et al. **Nippon Naibunpi Gakkai Zasshi** 1980 Jun 20;56(6):786–803 (Eng. Abstr.) **(Jpn)**

[The development of a radioimmunoassay for somatostatin using 125I-(Tyr8)-somatostatin as a labelled antigen (author's transl)] Kokubu T, et al. **Nippon Naibunpi Gakkai Zasshi** 1980;56(12):1630–48 (Eng.

Abstr.) (Jpn)
[Studies for a sensitive radioimmunoassay of beta1-Sp1-glycoprotein (SP1) (author's transl)] Maeda K, et al. **Nippon Naibunpi Gakkai Zasshi** 1980 Jul 20; 56(7):945-61 (Eng. Abstr.) (Jpn)
[The development of a sensitive radioimmunoassay for H-TSH and its clinical application (author's transl)] Mori T, et al. **Nippon Naibunpi Gakkai Zasshi** 1980 Sep 20; 56(9):1231-9 (Eng. Abstr.) (Jpn)
[Radioimmunoassay of secretin using ethanol extraction method of plasma. Changes of plasma secretin levels after test meal (author's transl)] Watanabe S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1980 Jul;77(7):1123 (Jpn)
[Basic and clinical evaluation of corning total T4 RIA kit (author's transl)] Fukazawa H, et al. **Radioisotopes** 1980 Dec;29(12):618-21 (Jpn)
[Evaluation of Anti HBc RIA Kit (CORAB) (author's transl)] Kanamori I, et al. **Radioisotopes** 1980 Aug;29(8):395-7 (Jpn)
[Evaluation of anti HA-RIA Kit (HAVAB) (author's transl)] Kanamori I, et al. **Radioisotopes** 1980 Sep;29(9):446-8 (Jpn)
[Evaluation of radioimmunoassay kit using gamma-coat plasma renin activity (author's transl)] Kawazoe O, et al. **Radioisotopes** 1980 Jun;29(6):295-8 (Jpn)
[Determination of triiodothyronine in serum by RIA kit of Amerlex T3 (author's transl)] Kinoshita F, et al. **Radioisotopes** 1980 Aug;29(8):389-91 (Jpn)
[Determination of triiodothyronine in serum by RIA kit of SPAC T3 (author's transl)] Kosuda S, et al. **Radioisotopes** 1980 Aug;29(8):386-8 (Jpn)
[Comparative studies of two PTH RIA kit (PTH 'Eiken' and PTH.I-125 (CIS)) (author's transl)] Kousaka T, et al. **Radioisotopes** 1980 Jun;29(6):292-4 (Jpn)
[The development of determining human prostatic acid phosphatase by radioimmunoassay (author's transl)] Morikawa J, et al. **Radioisotopes** 1980 Apr;29(4):175-80 (Eng. Abstr.) (Jpn)
[Fundamental Studies of IMMO PHASE kit for serum insulin (author's transl)] Nagata A, et al. **Radioisotopes** 1980 Dec; 29(12):608-10 (Jpn)
[Evaluation of stat assay of serum digoxin concentration by radioimmunoassay and its application for digoxin regimen based in pharmacokinetics (author's transl)] Sasaki Y, et al. **Radioisotopes** 1980 Sep;29(9):432-7 (Jpn)
[Radioimmunoassay of triiodothyronine (T3) by solid phase method -- studies of SPAC T3 RIA kit (author's transl)] Sekimoto M, et al. **Radioisotopes** 1980 Dec;29(12):611-3 (Jpn)
[Determination of triiodothyronine in serum by RIA kit of SPAC T3 (author's transl)] Shimoji A, et al. **Radioisotopes** 1980 Aug;29(8):382-5 (Jpn)
[Detection of HBc antibody by radioimmunoassay (author's transl)] Suga M, et al. **Radioisotopes** 1981 Jan;30(1):35-7 (Jpn)
[Determination of thyroxine in serum by RIA kit of Amerlex T4 (author's transl)] Takagi Y, et al. **Radioisotopes** 1980 Aug;29(8):392-4 (Jpn)
[Studies on plasma glucagon radioimmunoassay kit and plasma glucagon responses to oral glucose load and insulin induced hypoglycemia in healthy subjects (author's transl)] Tenku A, et al. **Radioisotopes** 1980 Jul;29(7):346-8 (Jpn)
[Studies on the quantitative measurement of HBs antigen by radioimmunoassay kit (author's transl)] Tsuruta H, et al. **Radioisotopes** 1981 Jan;30(1):31-4 (Jpn)
[Studies on human alpha 1-microglobulin. V. Radioimmunoassay method for microdetermination of alpha 1-microglobulin in various body fluids (author's transl)] Enomoto H, et al. **Rinsho Byori** 1980 Jul; 28(7):653-9 (Jpn)
[Studies on immunological assay of urinary estrogens. I. Preparation and immunological properties of antisera and determination of urinary estrogens by radioimmunoassay (author's transl)] Manita H, et al. **Yakugaku Zasshi** 1980 Oct;100(10):1019-27 (Eng. Abstr.) (Jpn)
[Clinical evaluation of digoxin dosage regimen.--Application of pharmacokinetics and digoxin stat assay by radioimmunoassay (author's transl)] Masuhara K, et al. **Yakugaku Zasshi** 1981 Jan;101(1):82-5 (Eng. Abstr.) (Jpn)
[Comparison of the accuracy of determination of blood serum concentrations of chorionic gonadotropins in pregnancy by the radioligand assay and radioimmunoassay] Paszko Z, et al. **Ginekol Pol** 1980 Jul;51(7):591-8 (Eng. Abstr.) (Pol)
[Diagnostic value of radioimmunological studies (RIA) as tests differentiating and defining bronchial asthma] Wąsek Z. **Pneumonol Pol** 1980 Sep;48(9):601-7 (Eng. Abstr.) (Pol)
[[125I]-antigammaglobulin antibodies as universal reagents in radioimmunochemical methods of investigation] Isachenkov VA, et al. **Biokhimiia** 1981 Jan;46(1):75-84 (Eng. Abstr.) (Rus)
[Immunochemical methods of determining myoglobin in blood and urine] Dombrovskiĭ VI, et al. **Biull Vsesoiuznogo Kardiol Nauchn Tsentra AMN SSSR** 1981;4(1):88-94 (Eng. Abstr.) (Rus)
[Calcitonin secretion studied by a radioimmunological method] Larina IM. **Lab Delo** 1980;(9):540-2 (Eng. Abstr.) (Rus)
[Radioimmunologic determination of morphine content in human blood using immunoglobulin fractions] Ul'iankina TI, et al. **Lab Delo** 1981;(7):436-7 (Rus)
[Radioimmunological method of determining the myoglobin level] Dombrovskiĭ VI, et al. **Med Radiol (Mosk)** 1981 May; 26(5):44-8 (Eng. Abstr.) (Rus)
[Radioimmunological analysis of the thyroid hormone and thyroxine-binding globulin content in the blood] Slavnov VN, et al. **Med Radiol (Mosk)** 1980 Oct;25(10):16-9 (Eng. Abstr.) (Rus)
[Radionuclide diagnosis of thyroid gland diseases in children] Zubovskiĭ GA, et al. **Vopr Okhr Materin Det** 1980 Jul; 25(7):7-11 (Eng. Abstr.) (Rus)
[Use of the radioimmunoprecipitation method for testing a monospecific serum to an isolated influenza virus hemagglutinin] Berezin VE, et al. **Vopr Virusol** 1980 Jul-Aug;(4):488-92 (Eng. Abstr.) (Rus)
[Radioimmunologic analysis technic and its applications in virology] Tarasishin LA. **Vopr Virusol** 1980 Jan-Feb; (1):5-10 (52 ref.) (Rus)
[Use of indirect solid-phase radioimmunological analysis for studying the antigenic properties of influenza virus] Trushinskaia GN, et al. **Vopr Virusol** 1980 Jul-Aug; (4):403-8 (Eng. Abstr.) (Rus)
[Hepatitis B antigen e determined by radioimmunoassay (author's transl)] Novák J, et al. **Cas Lek Cesk** 1981 Apr 30;120(17):507-9 (Eng. Abstr.) (Scr)
[HBsAg and HBsAb in haematology and blood transfusion service (author's transl)] Lipšic T, et al. **Cas Lek Cesk** 1980 Sep 12;119(36-37):968-70 (Eng. Abstr.) (Slo)
[RIA-Test-T 4 set (URVJT-Košice) and its potential use in congenital hypothyroidism screening (author's transl)] Sedlák J, et al. **Cas Lek Cesk** 1981 Feb 26;120(8):233-5 (Eng. Abstr.) (Slo)

STANDARDS

Dilution as a source of error: implications for preparation and calibration of laboratory standards and for quality control of radioimmunoassays. Gaines Das RE. **Clin Chem** 1980 Nov;26(12):1726-9
Test of radioimmunoassay validity in the presence of an isotope effect. Xing S, et al. **Clin Chem** 1981 Apr; 27(4):600-2
Lot-to-lot variation in three thyroid-related radioimmunoassay kits. Zweig MH, et al. **Clin Chem** 1980 Apr;26(5):646-8
On the validity of a levo-norgestrel radioimmunoassay. Kanluan T, et al. **Clin Chim Acta** 1981 Jan 22;109(2):169-74
Radioimmunoassay of extracted glucagon compared with three non-extraction assays. von Schenck H, et al. **Clin Chim Acta** 1981 Jan 22;109(2):183-91
Control of routine radioimmunoassays: a computer program for calculation of control charts for precision and accuracy. Faure A, et al. **Comput Programs Biomed** 1980 Dec; 12(2-3):105-10
Vitamin B12: are serum radioassay measurements reliable? Witherspoon LR. **J Nucl Med** 1981 May;22(5):474-7
[The 2nd quality control survey for radioisotope in vitro tests in Japan, 1979 (author's transl)] **Radioisotopes** 1981 Jan; 30(1):56-65 (Jpn)
[The 1st quality control survey for radioisotope in vivo tests in Japan (author's transl)] **Radioisotopes** 1980 Nov; 29(11):575-83 (Jpn)

VETERINARY

[Radioimmunologic technics for luteinizing hormone determination in cattle and sheep] Walther D, et al. **Arch Exp Veterinaermed** 1980;34(4):469-81 (Eng. Abstr.) (Ger)
[Direct solid-phase radioimmunoassay for the detection of Aujeszky's disease antibodies (author's transl)] Döller G, et al. **Zentralbl Bakteriol [A]** 1980 Jun;247(1):1-7 (Eng. Abstr.) (Ger)

RADIOIMMUNOSORBENT TEST see under **RADIOIMMUNOASSAY**

RADIOISOTOPE BRACHYTHERAPY see **BRACHYTHERAPY**

RADIOISOTOPE DILUTION TECHNIC

Validation of a tracer technique to determine nonsteady-state ketone body turnover rates in man. Keller U, et al. **Am J Physiol** 1981 Mar;240(3):E253-62
The expression of isotope effects on enzyme-catalyzed reactions. Northrop DB. **Annu Rev Biochem** 1981;50:103-31 (67 ref.)
An improved selected ion recording system for precise isotope ratio determination. Gruenke LD, et al. **Biomed Mass Spectrom** 1980 Sep;7(9):381-4
Radionuclide quantitation of left-to right cardiac shunts using deconvolution analysis: concise communication. Ham HR, et al. **J Nucl Med** 1981 Aug;22(8):688-92
On the mathematics of tracer kinetics when pools are not in steady-state. Nystedt L. **J Steroid Biochem** 1980 Dec; 13(12):1487-8
[Comparative evaluation of the cardiac stroke and minute volumes by impedance cardiography and radiocardiography] Draganov V, et al. **Vutr Boles** 1980; 19(5):28-33 (Eng. Abstr.) (Bul)
[Comparative clinical and radiocardiographic studies in coronary disease] Nikolova P. **Vutr Boles** 1980;19(6):56-9 (Eng. Abstr.) (Bul)
[Radioisotopic functional diagnosis in uncomplicated hypertension] Sheĭretova E, et al. **Vutr Boles** 1980; 19(6):50-5 (Eng. Abstr.) (Bul)
[Measurements of water compartments: comparison of impedance and isotopic dilution methods] Blanc PL, et al. **Agressologie** 1980;21(C):165-7 (Fre)
[The determination of cardiac output by pulmonary vascular dilution curve (author's transl)] Yoshimatsu S, et al. **Kokyu To Junkan** 1980 Dec;28(12):1401-4 (Eng. Abstr.) (Jpn)
[Usefulness of the pulmonary isotope curve for determination of the degree of left-to-right cardiac shunts] Pasyk S, et al. **Kardiol Pol** 1980;23(6):475-81 (Eng. Abstr.) (Pol)

STANDARDS

Unreliability of radiodilution assays as screening tests for cobalamin (vitamin B12) deficiency. Cohen KL, et al. **JAMA** 1980 Oct 24-31;244(17):1942-5
Use of isotope dilution--mass spectrometry for accuracy control of different routine methods used in clinical chemistry. Björkhem I, et al. **Scand J Clin Lab Invest** 1980 Oct;40(6):529-34

RADIOISOTOPE GENERATORS see **RADIONUCLIDE GENERATORS**

RADIOISOTOPE RENOGRAPHY

Dependence of an individual renogram on the other kidney through the blood activity, shown by convolution [letter] de Lima JJ. **Eur J Nucl Med** 1980 Oct;5(5):469-70
Some indication fields of radioisotope examination of the kidneys and ureteral urine passage in infants. Buchanec J. **Int Urol Nephrol** 1980;12(3):249-55
Evaluation of effective renal plasma flow during renography. Morgan A, et al. **J Urol** 1980 Jul;124(1):6-8
Intravenous pyelography or 131I-hippuran renography to screen for renovascular hypertension [letter] Erwteman TM, et al. **Lancet** 1980 Oct 11;2(8198):800
[Importance of isotope nephrography in the evaluation of results of surgical treatment of congenital hydronephroses] Stachów J, et al. **Paediatr Grenzgeb** 1980;19(4):259-63 (Eng. Abstr.) (Ger)
[Comparative value of the radiorenogram and pyelography in the etiological diagnosis of arterial hypertension] Strocchi E, et al. **G Clin Med** 1981 Mar;62(3):182-90 (Eng. Abstr.) (Ita)
[Use of radioisotope renography in intensive care in traumatology] Uspenskiĭ LS. **Anesteziol Reanimatol** 1981 Mar-Apr;(2):68-70 (Rus)
[Radioisotope renographic data in assessing the functional state of the kidney after gastrectomy for stomach cancer] Bespalov II. **Med Radiol (Mosk)** 1981 Apr;26(4):51-2 (Rus)
[Correlation of the parameters of kidney roentgenometry and radionephrograms] Pilipenko NI, et al. **Med Radiol (Mosk)** 1981 Jun;26(6):15-20 (Eng. Abstr.) (Rus)
[Radioisotope study in pediatric nephrologic practice] Matveev MP, et al. **Pediatriia** 1981 Apr;(4):6-9 (Eng. Abstr.) (Rus)
[Alterations in the renographic curves in floating kidneys (author's transl)] Poropat M, et al. **Lijec Vjesn** 1980 Sep; 102(9):522-6 (Eng. Abstr.) (Scr)
[Changes in the radiorenography curve in hypertensive patients under the influence of a beta adrenergic antagonist (propranolol)] Atanacković D, et al. **Med Pregl** 1980; 33(3-4):111-5 (Eng. Abstr.) (Scr)

INSTRUMENTATION

[Our experience with the quantitative separate evaluation of individual kidney function using the KANDI 1100 camera system] Mende T, et al. **Radiol Diagn (Berl)** 1980; 21(3):379-87 (Eng. Abstr.) (Ger)

METHODS

Simplified estimation of glomerular filtration rate and effective renal plasma flow. Smart R, et al. **Eur J Nucl Med** 1981;6(6):249-53
An efficient, low cost interface for renography. Imperiale C, et al. **J Nucl Med Allied Sci** 1980 Jul-Dec;24(3-4):223-6
Determination of total and individual kidney function in children by means of 123-I-hippuran whole body clearance and scintillation camera. Heidenreich P, et al. **Pediatr Radiol** 1981;11(1):17-27
Background correction factors in renography with single probe detectors. Rabøl A, et al. **Scand J Clin Lab Invest** 1980 Sep;40(5):491-2
Methodological aspects of renography in children. Bjure J, et al. **Scand J Urol Nephrol** 1980;14(3):243-50
Evaluation of unilateral kidney function in children. A comparison between renography and separate clearance. Granerus G, et al. **Scand J Urol Nephrol** 1980;14(3):263-7
Kidney split function in children. A comparative study between renography and planimetry from urography. Haugstvedt S, et al. **Scand J Urol Nephrol** 1980; 14(3):269-74
A simple method of background subtraction in two-detector renography. Haugstvedt S, et al. **Scand J Urol Nephroi**

1980;14(3):257–61

[131I–hippuran renography before and after radical hysterectomy for uterine cervix cancer] Mogensen P, et al. **Ugeskr Laeger** 1980 Nov 3;142(45):2982–4 (Eng. Abstr.) **(Dan)**

[Functional imaging of characteristic kinetic parameters of kidney and thyroid (author's transl)] Stritzke P, et al. **Nuklearmedizin** 1980;19(2):74–9 (Eng. Abstr.) **(Ger)**

[Methodological orientation for the side-separated diagnosis of the renal elimination function and hemodynamics (author's transl)] Wüstenberg PW, et al. **Radiol Diagn (Berl)** 1980;21(3):367–78 (Eng. Abstr.) **(Ger)**

[Position of patient-relevance to isotope nephrography in second half of pregnancy (author's transl)] Jiratko K, et al. **Zentralbl Gynaekol** 1980;102(18):1045–51 (Eng. Abstr.) **(Ger)**

[Sequential scintigraphic evaluation in renal transplantation (author's transl)] Civati G, et al. **Radiol Med (Torino)** 1980 Apr;66(4):247–54 (Eng. Abstr.) **(Ita)**

[Isotope methods of study of the glomerular filtration rate and effective renal plasma flow] Kliz J. **Wiad Lek** 1981 Feb 15;34(4):291–6 (25 ref.) (Eng. Abstr.) **(Pol)**

[Kidney function study by radioisotope renography in lymphogranulomatosis patients subjected to radiation treatment] Kholin VV, et al. **Vopr Onkol** 1981;27(6):13–7 (Eng. Abstr.) **(Rus)**

RADIOISOTOPE SCANNING see **RADIONUCLIDE IMAGING**

RADIOISOTOPE TELETHERAPY

Five-year results by intensive high voltage therapy of inoperable bronchial carcinoma. Eichhorn HJ. **Eur J Cancer** 1980 Dec;16(12):1591–6

Combined pre-operative telecobalt therapy and supraglottic laryngectomy. Sellars SL, et al. **J Laryngol Otol** 1981 Mar; 95(3):305–10

Computer generation of cobalt-60 single beam dose distribution using an analytical beam model. Jayaraman S. **Strahlentherapie** 1981 Mar;157(3):171–80

Contribution of electron contamination to the skin dose in teletherapy with Co-60 gamma-rays. Kulkarni RN. **Strahlentherapie** 1980;156(10):694–6

Three-dimensional dose-rate distribution of X-ray beams of linac neptun 10p and gamma-rays from Co-60 gammatron 80S for rectangular fields. Lobodziec W, et al. **Strahlentherapie** 1981 May;157(5):340–3

Results of 60Co-teletherapy in oral cancer. Volterrani F, et al. **Tumori** 1981 Mar–Apr;67(2):135–40

[Cancer of the breast with very advanced local spreading: interest of palliative radiotherapy in concentrated treatment (author's transl)] Richaud R, et al. **Ann Radiol (Paris)** 1981 Mar;24(3):190–3 (Eng. Abstr.) **(Fre)**

[Results of radio-surgical treatment of primary malignant lymphomas of the digestive tract] Bernasconi S, et al. **Schweiz Med Wochenschr** 1980 Jul 8;110(27–28):1060–2 (Eng. Abstr.) **(Fre)**

[Radiotherapy of highly developed breast cancers. Percentage of sterilized lesions] Jaziri M, et al. **Tunis Med** 1979 Mar–Jun;57(2–3):155–9 **(Fre)**

[Results of telecobalt irradiation of bronchial carcinoma (author's transl)] Ziegler PG, et al. **Radiobiol Radiother (Berl)** 1980;21(3):262–70 (Eng. Abstr.) **(Ger)**

[Practical application of optimization criteria for geometrical distributions of the radiation dose: choice of the irradiation technique in 60Co-teletherapy (author's transl)] Amel-Zadeh A, et al. **Strahlentherapie** 1980;156(10):689–93 (Eng. Abstr.) **(Ger)**

[The reduction of the dose to the lung in whole-body irradiation with cobalt-60 gamma rays (author's transl)] Hochhäuser E, et al. **Strahlentherapie** 1980 Sep; 156(9):646–50 (Eng. Abstr.) **(Ger)**

[Description of the dose distribution in the radiation field of a teletherapy unit with Co-60 (author's transl)] Kahlhöfer J. **Strahlentherapie** 1981 May;157(5):329–34 (Eng. Abstr.) **(Ger)**

[Combination radio and chemotherapy in plasmocytoma. Roentgen diagnostic and protein chemistry development prognosis] Choné B. **Strahlentherapie [Sonderb]** 1978; 75:205–12 **(Ger)**

[Simultaneous radio-chemotherapy in advanced ovarian carcinoma--phase I] Szepesi T, et al. **Strahlentherapie [Sonderb]** 1978;75:180–4 (Eng. Abstr.) **(Ger)**

[Heat in oncologic therapy] Bistolfi F. **Minerva Med** 1981 May 26;72(21):1339–48 (Eng. Abstr.) **(Ita)**

[Population doses from beam therapy in Japan 1978. Part 2. Estimation of genetically significant dose, per caput mean bone marrow dose and leukemia significant dose (author's transl)] Hashizume T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1980 May; 40(5):466–75 (Eng. Abstr.) **(Jpn)**

[Radioisotope teletherapy of thyroid cancer previously treated or not treated surgically] Wojcieszek Z, et al. **Pol Tyg Lek** 1980 Dec 22;35(51):2001–3 (Eng. Abstr.) **(Pol)**

[Morphological analysis of radiation-induced destruction of malignant soft tissue tumors under gamma teletherapy] Volchenko NN, et al. **Med Radiol (Mosk)** 1981 Apr; 26(4):31–5 (Eng. Abstr.) **(Rus)**

[Gamma teletherapy of inoperable retroperitoneal tumors with nonuniform distribution of the dosage in the tissues] Aliev BM, et al. **Vopr Onkol** 1980;26(12):053–8 (Eng. Abstr.) **(Rus)**

[Survival time in breast cancer after postoperative irradiation with various technics] Brzaković P, et al. **Srp Arh Celok Lek** 1980 Apr;108(4):309–16 (Eng. Abstr.) **(Sec)**

ADVERSE EFFECTS

Postirradiation sarcoma of the head and neck: a report of three late sarcomas following therapeutic irradiation for primary malignancies of the paranasal sinus, nasal cavity, and larynx. Coia LR, et al. **Cancer** 1980 Nov 1;46(9):1982–5

Severe conduction disturbances and ventricular arrhythmias complicating mediastinal irradiation for Hodgkin's disease: a case report. Mary-Rabine L, et al. **PACE** 1980 Sep; 3(5):612–7

Chromosome aberrations induced in patients treated with telecobalt therapy for mammary carcinoma. Antoine JL, et al. **Radiat Res** 1981 Apr;86(1):171–7

On radiation-induced extraskeletal osteosarcoma: report of a case. Ascenzi A, et al. **Tumori** 1980 Apr 30;66(2):261–8

INSTRUMENTATION

Dosimetry disparities resulting from two accepted methods of calibration of cobalt-60 teletherapy machines. Nair RP, et al. **Rev Interam Radiol** 1981 Jan;6(1):17–20

[Use of a radial planimeter for determining the average depth of position of a reference point] Kokontsev AA, et al. **Med Radiol (Mosk)** 1980 Oct;25(10):64–5 **(Rus)**

[Realization of an automatic program of teleirradiation on a gamma therapy installation with a controlling computer] Sarkisian IuKh, et al. **Vestn Rentgenol Radiol** 1981;(3):54–7 (Eng. Abstr.) **(Rus)**

[Dosimetric analysis of radiation treatment methods in cancer of the middle 3rd of the esophagus using the Rokus gamma apparatus] Afanas'ev BP, et al. **Vopr Onkol** 1980; 26(10):20–5 (Eng. Abstr.) **(Rus)**

METHODS

The role of telecobalt rotation irradiation in the treatment of the intrathoracic carcinoma of the esophagus. van Beek TL. **Strahlentherapie** 1980 Jun;156(6):394–401

[Objective assessment of the dosage distributions in cobalt teleradiotherapy of esophageal cancer] Kirsch M, et al. **Radiobiol Radiother (Berl)** 1980;21(3):325–34 (Eng. Abstr.) **(Ger)**

[On co-60 stationary field irradiation of aortal lymph-nodes using the example of seminoma (author's transl)] Rahn H, et al. **Radiobiol Radiother (Berl)** 1980;21(3):229–32 (Eng. Abstr.) **(Ger)**

[Effect of tissue inhomogeneities on planning irradiation. I. The effect of lung tissue on planning the irradiation of bronchial cancers with 60Co] Welker K, et al. **Radiobiol Radiother (Berl)** 1980;21(3):309–21 (Eng. Abstr.) **(Ger)**

[Problems of multiple field technique in radiation therapy of cancer of the breast (author's transl)] Metzger H, et al. **Strahlentherapie** 1980 Aug;156(8):515–8 (Eng. Abstr.) **(Ger)**

[10 years' experience in the treatment of carcinoma of the uterine cervix] Lederman MW, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1980 Apr;35(2):52–5 (Eng. Abstr.) **(Por)**

[Gamma teletherapy using a grid diaphragm and open fields] Aliev BM, et al. **Med Radiol (Mosk)** 1980 Oct;25(10):52–5 (Eng. Abstr.) **(Rus)**

[Quadratic programming in determining the optimal parameters for the teletherapy irradiation of malignant tumors] Brikker IN. **Med Radiol (Mosk)** 1980 Oct; 25(10):55–62 (Eng. Abstr.) **(Rus)**

[Combined treatment of cervical cancer by preoperative intracavitary gamma therapy and teleradiotherapy with shaped fields] Pavlov AS, et al. **Med Radiol (Mosk)** 1981 Mar;26(3):18–25 (Eng. Abstr.) **(Rus)**

[Factors affecting the radiation reactions of chest cavity organs in gamma teletherapy of esophageal cancer] Sarkisian IuKh, et al. **Med Radiol (Mosk)** 1981 Jun; 26(6):30–5 (Eng. Abstr.) **(Rus)**

[Gamma teletherapy of esophageal cancer using moving and static split-course methods] Sarkisian IuKh, et al. **Med Radiol (Mosk)** 1981 Apr;26(4):21–4 (Eng. Abstr.) **(Rus)**

RADIOISOTOPES

see related

ISOTOPE LABELING

Influence of age on the discrimination of barium in comparison with strontium during their incorporation into compact bone. Domański T, et al. **Acta Physiol Pol** 1980 May–Jun;31(3):289–96

Improved diagnostic accuracy of thallium-201 stress test using multiple observers and criteria derived from interobserver analysis of variance. Okada RD, et al. **Am J Cardiol** 1980 Oct;46(4):619–24

Regulatory problems with radio-pharmaceuticals. Halperin JA. **Am Pharm** 1980 Aug;20(8):20–6

Up front with the Nuclear Regulatory Commission. Small WE. **Am Pharm** 1980 Aug;20(8):27–8

Radiochemical assay of long-chain fatty acids using 63Ni. De Brabander HF, et al. **Anal Biochem** 1981 Jan 1; 110(1):240–1

Emergency department radiation accident protocol. Leonard RB, et al. **Ann Emerg Med** 1980 Sep;9(9):462–70

Limits for intakes of radionuclides by workers. A report of committee 2 of the International Commission on Radiological Protection. **Ann ICRP** 1980;4(3–4):1–71

Limits for intakes of radionuclides by workers. A report of Committee 2 of the International Commission on Radiological Protection. **Ann ICRP** 1981;5(1–6):1–751

The value of exercise electrocardiography and exercise thallium-201 myocardial perfusion scanning in determining the presence of single vessel coronary artery obstruction. Dunn RF, et al. **Aust NZ J Med** 1980 Oct;10(5):520–5

Serial thallium-201 myocardial perfusion scanning in acute myocardial infarction. Dunn RF, et al. **Aust NZ J Med** 1980 Dec;10(6):629–35

Exercise testing and thallium-201 myocardial imaging in relation to coronary artery disease in patients with severe aortic valve disease. Taylor RR, et al. **Aust NZ J Med** 1980 Dec;10(6):636–43

Simplified cell labelling with indium-111 acetylacetonate and indium-111 oxinate. Goedemans WT. **Br J Radiol** 1981 Jul;54(643):636–7

Mean skeletal dose factors for beta-particle emitters in human bone. Part II: surface-seeking radionuclides. Spiers FW, et al. **Br J Radiol** 1981 Jun;54(642):500–4

Limitations of radioactive microspheres as tracers for bone blood flow and extraction ratio studies. Tothill P, et al. **Calcif Tissue Int** 1980;31(3):261–5

Technique for removal of radioactive components from aqueous radioactive wastes [letter] Fletcher J, et al. **Clin Chem** 1981 Jul;27(7):1308–9

Test of radioimmunoassay validity in the presence of an isotope effect. Xing S, et al. **Clin Chem** 1981 Apr; 27(4):600–2

Wound contamination through drapes and gowns: a study using tracer particles. Ha'eri GB, et al. **Clin Orthop** 1981 Jan–Feb;(154):181–4

Subcellular distribution of 111In and 169Yb in tumor and liver. Ando A, et al. **Eur J Nucl Med** 1981;6(5):221–6

81mKr gas generator for lung ventilation study. Koyama T, et al. **Eur J Nucl Med** 1980 Dec;5(6):481–6

Radiopharmaceutical reporting. **FDA Drug Bull** 1980 Nov; 10(3):26

Limitations to the use of radioactively labelled substrates for studying peptide transport in microorganisms. Payne JW, et al. **FEBS Lett** 1980 Sep 22;119(1):73–6

Depth-dose in tissue from beta-particles of 85Kr. Berven BA, et al. **Health Phys** 1981 Feb;40(2):222–5

Dose-rate conversion factors for external exposure to photon and electron radiation from radionuclides occurring in routine releases from nuclear fuel cycle facilities. Kocher DC. **Health Phys** 1980 Apr;38(4):543–621

Electron dose-rate conversion factors for external exposure of the skin. Kocher DC, et al. **Health Phys** 1981 Apr; 40(4):467–75

Reconciliation of Marinelli and MIRD radiation absorbed dose formulas. Robertson JS. **Health Phys** 1981 Apr; 40(4):565–8

An extrapolation of radionuclide retention data from mouse to man. Thomas JM, et al. **Health Phys** 1981 Apr; 40(4):485–92

Limits for intakes of radionuclides by workers: ICRP Publication 30. Vennart J. **Health Phys** 1981 Apr; 40(4):477–84

Excitation functions and production of arsenic radioisotopes for environmental toxicology and biomedical purposes. Basile D, et al. **Int J Appl Radiat Isot** 1981 Jun;32(6):403–10

18F-labeled lower fluoroalkanes; reactor-produced gaseous physiological tracers. Gatley SJ, et al. **Int J Appl Radiat Isot** 1981 Apr;32(4):211–4

Uptake and retention of cadmium-109 in the pituitary, the adrenals and the thyroid of the laboratory rat. Kollmer WE. **Int J Appl Radiat Isot** 1980 Oct;31(10):607–9

A technique for monitoring the inhalation of cigarette smoke in man, using krypton-81m. Sheahan NF, et al. **Int J Appl Radiat Isot** 1980 Jul;31(7):438–41

Emission tomographic images of the skull with fluorine-18. Elmaleh DR, et al. **Int J Nucl Med Biol** 1980;7(3):289–93

Testicular uptake of 18F-labeled steroids and comparison with relevant radiopharmaceuticals including 201Tl. Hosain F, et al. **Int J Nucl Med Biol** 1980;7(3):267–9

Deuterium NMR of specifically deuterated fluorine spin probes. Oldfield E, et al. **J Biol Chem** 1980 Dec 25; 255(24):11652–5

Regulation of 86Rb+ outflow from pancreatic islets III. Possible significance of ATP. Carpinelli AR, et al. **J Endocrinol Invest** 1980 Oct–Dec;3(4):365–70

The effect of a milk diet on the retention of 74As labelled arsenic in mice. Bencko V, et al. **J Hyg Epidemiol Microbiol Immunol** 1980;24(4):389–95

Biliary excretion of 74As and its distribution in the golden hamster after administration of 74As (III) and 74As (V). Cikrt M, et al. **J Hyg Epidemiol Microbiol Immunol** 1980; 24(4):384–8

Immunological changes in the organism caused by incorporated radionuclides (a review). Shubik VM. **J Hyg Epidemiol Microbiol Immunol (Praha)** 1980; 24(2):227–34 (57 ref.)

111Indium-labeled human alveolar macrophages and monocytes: function and ultrastructure. Davis HH 2d, et al. **J Immunol Methods** 1980;36(2):99-107
Remote, semiautomated production of F-18-labeled 2-deoxy-2-fluoro-D-glucose. Barrio JR, et al. **J Nucl Med** 1981 Apr;22(4):372-5
A new osmium-191 leads to iridium-191m generator. Cheng C, et al. **J Nucl Med** 1980 Dec;21(12):1169-76
The potential of radiometric measurements in physiology and metabolism. Deland FH. **J Nucl Med** 1981 Mar;22(3):287-8
Radiopharmaceutical quality assurance--pilot study [letter] Eckelman WC, et al. **J Nucl Med** 1981 Jan;22(1):94
One of three thousand [editorial] Eckelman WC, et al. **J Nucl Med** 1981 Feb;22(2):190-1
Characterization of bromine-77-labeled proteins prepared using bromoperoxidase. McElvany KD, et al. **J Nucl Med** 1980 Oct;21(10):953-60
Rubidium-86 uptake by red blood cells of breast cancer patients. Telfer N, et al. **J Surg Oncol** 1981;16(2):159-65
Secondary isotope effects in studies using radiolabelled folate tracers. Connor MJ, et al. **Nature** 1980 Sep 18; 287(5779):253-4
Hepatobiliary kinetics of 113mIn-phenolphthalexon. Patel MC, et al. **Nuklearmedizin** 1981 Apr;20(2):90-3
Hit probability for cellular targets by bone-surface-seeking alpha emitters. Polig E. **Phys Med Biol** 1981 May; 26(3):369-77
Excessive 60Co in Mo/99Tcm generator columns. Wasserman HJ, et al. **Phys Med Biol** 1981 Mar;26(2):319-20
Studies on incorporated short-lived beta-emitters with regard to the induction of late effects. Müller WA, et al. **Radiat Environ Biophys** 1980;18(1):1-11
Radiotoxicity of 75Se and 35S: theory and application to a cellular model. Kassis AI, et al. **Radiat Res** 1980 Dec; 84(3):407-25
Distribution and dosimetry of 111In-labeled platelets. Robertson JS, et al. **Radiology** 1981 Jul;140(1):169-76
The accuracy of 99Molybdenum assays in 99mTechnetium solutions. Williams CC, et al. **Radiology** 1981 Feb; 138(2):445-8
Special characteristics and potential for radiopharmaceuticals for positron emission tomography. Wolf AP. **Semin Nucl Med** 1981 Jan;11(1):2-12
Pattern of urinary 63Ni excretion in rats. Verma HS, et al. **Toxicol Lett** 1980 Mar;5(3-4):223-6
[Uses and limits of radiotracers in the study of drugs and xenobiotics metabolism (author's transl)] Cohen Y. **Ann Pharm Fr** 1980;38(3):279-94 (35 ref.) (Eng. Abstr.) **(Fre)**
[Investigation of thrombopenia in chronic lymphoid leukaemias, using 111 oxine-indium (author's transl)] Reiffers JJ, et al. **Nouv Presse Med** 1980 Nov 29;9(45):3459 **(Fre)**
[Medium half-life radionuclides for medical use] Guillaume M. **Rev Med Liege** 1980 Sep 1;35(17):587-97 **(Fre)**
[Thallium-201 myocardial scintigraphy in patients with normal coronary arteries and normal left ventriculogram - comparison with hemodynamics, metabolic and morphologic findings (author's transl)] Lösse B, et al. **Z Kardiol** 1980 Aug;69(8):523-30 (Eng. Abstr.) **(Ger)**
[Kinetics of radioactive osteotropic tracers in metabolic diseases of the skeleton] Cuniggia A, et al. **Radiol Med (Torino)** 1980 Oct;66(10):723-6 **(Ita)**
[Transport mechanisms and localization of osteotropic tracers] Colombetti G. **Radiol Med (Torino)** 1980 Oct; 66(10):719-21 **(Ita)**
[Tests on transport package for radioisotopes (II). committee on Test of Transport Package for radioactive materials (author's transl)] **Radioisotopes** 1979 Mar;28(3):197-205 **(Jpn)**
[Radioactive nuclides and radiation data in use for radioactive/sealed radiation standards (author's transl)] Hashizume A, et al. **Radioisotopes** 1980 Dec;29(12):632-47 **(Jpn)**
[Comparative measurement of Ca/P atomic ratio in calcium-hydroxyapatite by RI-X-ray and alpha particle excited X-ray fluorescence analyses (author's transl)] Iwata S, et al. **Radioisotopes** 1980 Jun;29(6):285-7 **(Jpn)**
[Half value thickness and tenth value thickness of radionuclides in hospitals and medical research institutes (author's transl)] Orito T, et al. **Radioisotopes** 1981 Jan; 30(1):52-5 **(Jpn)**
[Contribution of 210Bi beta-ray induced bremsstrahlung to the emission of Pb-KX-rays observed in the lead shielded gamma-ray background spectrum (author's transl)] Shima K, et al. **Radioisotopes** 1980 Aug;29(8):363-7 **(Jpn)**
[Radionuclide resorption through the surface of thermal burns and problems of deactivation] Il'in LA, et al. **Gig Sanit** 1981 Apr;(4):6-9 (Eng. Abstr.) **(Rus)**
[Radioactivity standards for construction materials] Krisiuk EM. **Gig Sanit** 1980 Dec;(12):32-4 **(Rus)**
[Kinetics of radioactive thallium chloride (201TlCl3) transport from the blood to myocardial tissue normally and in cardiac ischemia] Ginzburg EM, et al. **Kardiologiia** 1980 Aug;20(8):97-9 (Eng. Abstr.) **(Rus)**
[Selective irradiation of thyroid gland follicles by radionuclides decaying according to the K-capture model] Stepanenko VF, et al. **Radiobiologiia** 1980 Sep-Oct; 20(5):693-8 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Treatment of high bileduct carcinoma by internal radiotherapy with iridium-192 wire. Fletcher MS, et al. **Lancet** 1981 Jul 25;2(8239):173-4
Iridium wire radiotherapy for high bileduct carcinoma [letter] Mornex F, et al. **Lancet** 1981 Aug 29;2(8244):479
[Absorbed dose for children and juveniles in nuclear medical diagnostics (author's transl)] Henrichs K, et al. **Nuklearmedizin** 1980;19(5):228-31 (Eng. Abstr.) **(Ger)**

ADVERSE EFFECTS

Induction of neoplasia by 140Ba in mice. Nilsson A, et al. **Acta Radiol Oncol Radiat Phys Biol** 1980;19(4):293-7
Assessing the risk of exposure to radioactivity. Crawford DJ, et al. **Am Sci** 1980 Sep-Oct;68(5):524-36
Radiation health effects. Internal deposition of radioactive materials. Bistline RW, et al. **Colo Med** 1980 Jul;77(7):275-7
[95Zn, 95Nb and 106Ru penetration into the body from the surface of contaminated skin] Barsegian LG, et al. **Gig Sanit** 1981 Jan;(1):32-4 (Eng. Abstr.) **(Rus)**
[Effect of whole-body external irradiation with krypton-85 beta particles combined with x-irradiation on the cutaneous integument of white rats during exposure to elevated environmental temperatures] Rappoport IA, et al. **Radiobiologiia** 1980 Sep-Oct;20(5):790-3 (Eng. Abstr.) **(Rus)**

ANALYSIS

Radioactivity in dental porcelain. Beech DR. **Aust Dent J** 1980 Dec;25(6):362
An application of gas chromatography mass spectrometry to the quantitation of substances and their labelled variants. Schramm W, et al. **Biomed Mass Spectrom** 1980 Jun; 7(6):273-6
Considerations in counting gamma-emitting radionuclides [letter] Reid RE. **Clin Chem** 1981 May;27(5):766-7
Methods of dose evaluation for incorporation of radionuclides: applicability to environmental chemicals. Butler GC. **Ecotoxicol Environ Safety** 1980 Dec;4(4):384-92
Fractionation of radionuclides in liquid samples from nuclear power facilities. Bernabee RP, et al. **Health Phys** 1980 Jul; 39(1):57-67
Radionuclide concentrations in waterfowl using a liquid radioactive waste disposal area and to the potential radiation dose to man. Halford DK, et al. **Health Phys** 1981 Feb;40(2):173-81
Potential importance of resuspension during chronic releases of radionuclides to the atmosphere. Kocher DC. **Health Phys** 1980 Oct;39(4):687-90
The usage of transfer coefficients to describe radionuclide transport from a cow's diet to its milk. Lassey KR. **Health Phys** 1980 Aug;39(2):321-5
Radionuclides at the U.S. radioactive waste disposal site near the Farallon Islands. Schell WR, et al. **Health Phys** 1980 Sep;39(3):475-96
An examination of the effect in radiological assessments of high soil-plant concentration ratios for harvested vegetation. Schwarz G, et al. **Health Phys** 1980 Dec; 39(6):983-6
Agricultural factors affecting the radionuclide foodchain pathway: green forage consumption of dairy cows. Shor RW, et al. **Health Phys** 1980 Aug;39(2):325-32
Survey of radionuclides in foods, 1961-77. Simpson RE, et al. **Health Phys** 1981 Apr;40(4):529-34
Blood-organ transfer kinetics. Skrable KW, et al. **Health Phys** 1980 Aug;39(2):193-209
A method for calculating the dose commitment from bioassay data. Tschurlovits M. **Health Phys** 1980 Aug;39(2):346-8
Improved methods for the fluorographic detection of weak beta-emitting radioisotopes in Agarose and acrylamide gel electrophoresis media. Pulleyblank DE, et al. **J Biochem Biophys Methods** 1981 Jun;4(5-6):339-46
Transfer coefficients of radionuclides secreted in milk of dairy cows. Sam D, et al. **J Dairy Sci** 1980 Sep; 63(9):1447-50
Subcellular localization of indium-111 in indium-111-labeled platelets. Hudson EM, et al. **J Lab Clin Med** 1981 Apr; 97(4):577-82
The paper spot test: a rapid method for quantitating stannous concentrations in radiopharmaceutical kits. Zimmer AM, et al. **J Nucl Med** 1981 May;22(5):465-7
Lead-210 content of food samples in India. Lalit BY, et al. **Radiat Environ Biophys** 1980;18(1):13-17
A gas replacement monitor for beta-ray cameras. Aoyama T, et al. **Radioisotopes** 1980 May;29(5):233-5
[Tooth elements and radioactivity] Collesano V, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1980 Oct; 23(4):234-5 **(Fre)**
[Radioactive impurities in 99Mo-99mTc generator eluate (author's transl)] Amano R, et al. **Kaku Igaku** 1980 Jul; 17(5):601-6 **(Jpn)**
[Quality control of radiopharmaceuticals (II): evaluation of radioactive impurities in radiopharmaceuticals (author's transl)] Mori H, et al. **Kaku Igaku** 1980 Jul;17(6):723-8 **(Jpn)**
[Gamma-ray emitters in contemporary steel produced in Japan (author's transl)] Hirose T, et al. **Radioisotopes** 1979 Mar;28(3):194-6 **(Jpn)**
[Radioruthenium in the environment (author's transl)] Iwashima K, et al. **Radioisotopes** 1979 Mar;28(3):184-93 (86 ref.) **(Jpn)**
[Non-destructive neutron activation analysis of dental porcelain powders (author's transl)] Noguchi K, et al. **Radioisotopes** 1980 Jun;29(6):261-5 (Eng. Abstr.) **(Jpn)**
[Neutron activation analysis of selenium using a coincidence counting method (author's transl)] Suzuki S, et al. **Radioisotopes** 1980 Apr;29(4):161-5 (Eng. Abstr.) **(Jpn)**
[Geometry of Marinelli type vessel in gamma-ray activity determination (author's transl)] Suzuki T, et al. **Radioisotopes** 1980 Mar;29(3):147-9 **(Jpn)**
[Concentration measurement of 85Kr dissolved in the solution with GM counter (author's transl)] Yamamoto T, et al. **Radioisotopes** 1980 Sep;29(9):422-6 (Eng. Abstr.) **(Jpn)**
[Preparation of low-percent polyacrylamide gels for the radioisotopic analysis of nucleic acids] Grama DP. **Mikrobiol Zh** 1980 Nov-Dec;42(6):783-5 **(Rus)**

DIAGNOSTIC USE

Thyroid uptake of 201thallium and its control by TSH. Maayan ML, et al. **Acta Endocrinol (Copenh)** 1981 Aug; 97(4):461-5
Thallium-201 scintigraphy after acute myocardial infarction. Bone D, et al. **Acta Med Scand** 1980;208(3):219-21
Thallium-201 peripheral perfusion scans: feasibility of single-dose, single-day, rest and stress study. Siegel ME, et al. **AJR** 1981 Jun;136(6):1179-83
Thallium-201 stress redistribution abnormalities of the right ventricle: a manifestation of proximal right coronary artery stenosis. Brachman MB, et al. **Am Heart J** 1981 Mar; 101(3):288-91
Stress thallium-201 myocardial scintigraphy and exercise technetium ventriculography in the detection and location of chronic coronary artery disease: comparison of sensitivity and specificity of these noninvasive tests alone and in combination. Elkayam U, et al. **Am Heart J** 1981 May;101(5):657-66
Relationship of thallium-201 myocardial perfusion pattern to regional and global left ventricular function with exercise. Kirshenbaum HD, et al. **Am Heart J** 1981 Jun; 101(6):734-9
Thallium imaging in cardiac lymphoma. McDonnell PJ, et al. **Am Heart J** 1981 Jun;101(6):809-14
Contrast enhancement of thallium-201 myocardial scintigrams: improved sensitivity with diminished specificity in coronary disease detection. Massie B, et al. **Am Heart J** 1981 July;102(1):37-44
Septal myocardial perfusion imaging with thallium-201 in the diagnosis of proximal left anterior descending coronary artery disease. Pichard AD, et al. **Am Heart J** 1981 July; 102(1):30-6
Influence of coronary artery disease on pulmonary uptake of thallium-201. Bingham JB, et al. **Am J Cardiol** 1980 Nov;46(5):821-6
The inconsistent pattern of thallium defects: a clue to the false positive perfusion scintigram. Dunn RF, et al. **Am J Cardiol** 1981 Aug;48(2):224-32
Thallium-201 versus technetium-99m pyrophosphate myocardial imaging in detection and evaluation of patients with acute myocardial infarction. Pitt B, et al. **Am J Cardiol** 1980 Dec 18;46(7):1215-23 (41 ref.)
Exercise thallium-201 myocardial imaging in left main coronary artery disease: sensitive but not specific. Rehn T, et al. **Am J Cardiol** 1981 Aug;48(2):217-23
Stress thallium-201 myocardial scintigraphy for the detection of individual coronary arterial lesions in patients with and without previous myocardial infarction. Rigo P, et al. **Am J Cardiol** 1981 Aug;48(2):209-16
Indium-111 platelet imaging for detection of platelet deposition in abdominal aneurysms and prosthetic arterial grafts. Ritchie JL, et al. **Am J Cardiol** 1981 Apr;47(4):882-9
Left ventricular thrombi: in vivo detection by indium-111 platelet imaging and two dimensional echocardiography. Stratton JR, et al. **Am J Cardiol** 1981 Apr;47(4):874-81
Fast tracer efflux from membrane vesicles; investigation by controlled elution. Grünhagen HH. **Anal Biochem** 1980 Nov 15;109(1):18-26
Evaluation of aplastic anemia with indium chloride In 111 scanning. Horn NL, et al. **Arch Intern Med** 1980 Oct; 140(10):1299-1303
Exercise thallium 201 imaging. Clinical implications of normal exercise images. Iskandrian AS, et al. **Arch Intern Med** 1981 Mar;141(4):501-3
Detection of coronary artery disease in asymptomatic aircrew members with thallium-201 scintigraphy. Uhl GS, et al. **Aviat Space Environ Med** 1980 Nov;51(11):1250-5
Loss of 111Indium as indicator of platelet injury. Joist JH, et al. **Blood** 1981 Aug;58(2):350-3
Effect of leukocyte antibodies on the fate in vivo of indium-111-labeled granulocytes. McCullough J, et al. **Blood** 1981 Jul;58(1):164-70
Assessment of chest pain in hypertrophic cardiomyopathy using exercise thallium-201 myocardial scintigraphy. Pitcher D, et al. **Br Heart J** 1980 Dec;44(6):650-6
Radionuclide distribution following injection of 111Indium-labelled platelets. Klonizakis I, et al. **Br J Haematol** 1980 Dec;46(4):595-602
Use of 111Indium-labeled platelets to measure spleen function. Peters AM, et al. **Br J Haematol** 1980 Dec; 46(4):587-93
Nuclear cardiology--a review. Donaldson RM, et al. **Br J Hosp Med** 1981 Feb;25(2):111-2, 117-8, 120 passim (39 ref.)
Quantitative approach to the study of regional lung function in children using krypton 81m. Ciofetta G, et al.

Br J Radiol 1980 Oct;53(634):950–9

Selenomethionine liver scanning in the diagnosis of hepatoma. Coakley AJ, et al. **Br J Radiol** 1980 Jun; 53(630):538–43

Krypton 81m ventilation scanning in chronic obstructive airways disease. Cunningham DA, et al. **Br J Radiol** 1981 Feb;54(638):110–6

Cell labelling and cell damage with indium–111 acetylacetone–an alternative to indium 111 oxine. Danpure HJ, et al. **Br J Radiol** 1981 Jul;54(643):597–601

Indium (111In)–labelled platelets in the diagnosis of renal transplant rejection: preliminary findings. Fenech A, et al. **Br J Radiol** 1981 Apr;54(640):325–7

Selenium 75 selenomethyl cholesterol: a new agent for quantitative functional scintigraphy of the adrenals: physical aspects. Hawkins LA, et al. **Br J Radiol** 1980 Sep; 53(633):883–9

Radiation dose from human platelets labelled with indium 111. van Reenen OR, et al. **Br J Radiol** 1980 Aug; 53(632):790–5

111Indium–labelled leucocyte scintigraphy in the diagnosis of inflammatory disease––first results. Rövekamp MH, et al. **Br J Surg** 1981 Mar;68(3):150–3

Indium–111 labelled platelets in diagnosis of leg–vein thrombosis: preliminary findings. Fenech A, et al. **Br Med J** 1980 Jun 28;280(6231):1571–3

Diagnosis of deep vein thrombosis using indium–111–labelled platelets [letter] **Br Med J [Clin Res]** 1981 May 16; 282(6276):1625–6

Chronic idiopathic thrombocytopenic purpura [letter] Barrison IG, et al. **Br Med J [Clin Res]** 1981 May 30; 282(6278):1798

Diagnosis of deep vein thrombosis using autologous indium–III–labelled platelets. Fenech A, et al. **Br Med J [Clin Res]** 1981 Mar 28;282(6269):1020–2

Diagnosis of aortic aneurysm using autologous platelets labelled with indium–111. Fenech A, et al. **Br Med J [Clin Res]** 1981 Apr 4;282(6270):1122

Validity of cerebral blood flow measurements obtained with quantitative tracer techniques. Lacombe P, et al. **Brain Res** 1980 Oct;203(2):105–69 (148 ref.)

Pediatric nuclear cardiology. Treves S, et al. **Cardiovasc Clin** 1981;11(2):247–74 (80 ref.)

Myocardial bridging of the left anterior descending artery: evaluation using exercise thallium–201 myocardial scintigraphy. Greenspan M, et al. **Cathet Cardiovasc Diagn** 1980;6(2):173–80

Evaluation of thallium–201 imaging in nontransmural ischemia and infarction. Haidar B, et al. **Cathet Cardiovasc Diagn** 1981;7(1):43–53

Effects of coronary artery narrowing, collaterals, and left ventricular function on the pattern of myocardial perfusion. Iskandrian AS, et al. **Cathet Cardiovasc Diagn** 1980; 6(2):159–72

Differentiation of false– from true–positive ECG responses to exercise stress by thallium 201 perfusion imaging. Guiney TE, et al. **Chest** 1981 Jul;80(1):4–10

Exercise thallium 201 scintigraphy in evaluating aortocoronary bypass surgery. Iskandrian AS, et al. **Chest** 1981 Jul;80(1):11–5

Metastatic cardiac tumor demonstrated by 201thallium scan. Lubell DL, et al. **Chest** 1980 Jul;78(1):98–9

Agreement in human interpretation of analog thallium myocardial perfusion images. Atwood JE, et al. **Circulation** 1981 Sep;64(3):601–9

Imaging the inflammatory response to acute myocardial infarction in man using indium–111–labeled autologous platelets. Davies RA, et al. **Circulation** 1981 Apr; 63(4):826–32

Identification of left ventricular thrombi in man using indium–111–labeled autologous platelets. A preliminary report. Ezekowitz MD, et al. **Circulation** 1981 Apr; 63(4):803–10

Short– and long–term changes in myocardial perfusion after percutaneous transluminal coronary angioplasty assessed by thallium–201 exercise scintigraphy. Hirzel HO, et al. **Circulation** 1981 May;63(5):1001–7

Quantitative thallium–201 redistribution with a fixed coronary stenosis in dogs. Leppo J, et al. **Circulation** 1981 Mar;63(3):632–9

Diagnostic value of exercise electrocardiography and thallium myocardial scintigraphy in patients without previous myocardial infarction: a Bayesian approach. Melin JA, et al. **Circulation** 1981 May;63(5):1019–24

Rest and exercise electrocardiograms and radionuclides in patients presenting for cardiac rehabilitation. Froelicher VF, et al. **Clin Cardiol** 1981 Mar;4(2):59–66

Comparison of myocardial potassium and thallium flux as studied by tracer methods. Nitsch J, et al. **Clin Cardiol** 1980 Jun;3(3):188–91

201Thallium stress myocardial imaging: an evaluation of fifty–eight asymptomatic males. Nolewajka AJ, et al. **Clin Cardiol** 1981 May;4(3):134–8

Predictive value of thallium scintigraphy in coronary artery disease. Schicha H, et al. **Clin Cardiol** 1980 Jun;3(3):184–7

The value of radioisotopic assays for 'serum B12' in the diagnosis of cobalamin deficiency disorders. Linnell JC. **Clin Lab Haematol** 1981;3(2):99–106

Evaluation of infection in neutropenic patients with indium–111–labeled donor granulocytes. Alavi JB, et al. **Clin Nucl Med** 1980 Sep;5(9):397–400

Gallium–67 imaging in acute epididymo–orchitis. Farrer PA. **Clin Nucl Med** 1980 Sep;5(9):417–8

In–111–leukocyte scanning in inflammatory renal disease. Fawcett HD, et al. **Clin Nucl Med** 1981 Jun;6(6):237–41

In–111–labeled leukocytes in the diagnosis of rejection and cytomegalovirus infection in renal transplant patients. Forstrom LA, et al. **Clin Nucl Med** 1981 Apr;6(4):146–8

The uptake of gallium–67–citrate by the parotid glands in a uremic patient. Heyman S. **Clin Nucl Med** 1980 Sep; 5(9):404–6

The appearance of amebic abscess of liver on In–111–leukocyte scan. McDougall IR. **Clin Nucl Med** 1981 Feb;6(2):67–9

Demonstration of pleural mesothelioma by gallium scan. Seo IS, et al. **Clin Nucl Med** 1980 Sep;5(9):407–9

Ga–67 uptake in unilateral puberal gynecomastia. Tonami N, et al. **Clin Nucl Med** 1980 Sep;5(9):410–1

Thallium–201 myocardial imaging in patients with previous cardiac transplantation. McKillop JH, et al. **Clin Radiol** 1981 Jul;32(4):447–9

New radionuclides in the diagnosis of obscure infections. Thakur ML. **Conn Med** 1981 May;45(5):302–4

Comparison of CT scanning and radionuclide imaging in liver disease. Friedman ML, et al. **CRC Crit Rev Diagn Imaging** 1980;14(2):143–89

The risks of radio–isotopes in medical diagnosis. **Drug Ther Bull** 1981 Apr 24;19(9):34–6

Changes in 86–rubidium uptake in erythrocytes of digoxin–treated patients, in heart failure with sinus rhythm. Relationship to clinical effects. Zannad F, et al. **Eur J Cardiol** 1981;12(5):275–84

Digoxin in the elderly and in renal failure. Contribution of erythrocyte 86–rubidium uptake tests. Zannad F, et al. **Eur J Cardiol** 1981;12(5):285–96

A new radioisotope for lung ventilation studies: 19–neon. Croutzel C, et al. **Eur J Nucl Med** 1980 Oct;5(5):431–4

Evaluation of image processing and presentation methods in thallium–201 myocardial scintigraphy. Jackson SA, et al. **Eur J Nucl Med** 1981 Mar;6(3):111–7

Thallium–201 myocardial scintigraphy: fractional uptake by the myocardium at rest and during exercise in patients with coronary artery disease and hypertrophic cardiomyopathy. Kambara H, et al. **Eur J Nucl Med** 1980 Dec;5(6):493–8

Kr–81m for determination of right ventricular ejection fraction (RVEF). Knapp WH, et al. **Eur J Nucl Med** 1980 Dec;5(6):487–92

Myocardial emission tomography with thallium–201. Value of multiple and orthogonal sections in the study of the myocardial infarction. Maublant J, et al. **Eur J Nucl Med** 1981;6(7):289–94

Ventilation imaging with Kr–81m. A comparison with Xe–133. Miller TR, et al. **Eur J Nucl Med** 1981 Jan; 6(1):11–6

Bayesian analysis of stress thallium–201 scintigraphy. Murray RG, et al. **Eur J Nucl Med** 1981;6(5):201–4

Clinical evaluation of 201–thallium chloride scan for thyroid nodule. Pavoni P, et al. **Eur J Nucl Med** 1981 Jan;6(1):47–9

Scintigraphic evaluation and dynamic studies with thallium–201 in thyroid lesions with suspected cancer. Tennvall J, et al. **Eur J Nucl Med** 1981;6(7):295–300

Thallium myocardial scintigraphy and its use in the assessment of coronary artery disease. Pantaleo N, et al. **Heart Lung** 1981 Jan–Feb;10(1):61–71

Diagnostic and therapeutic use of radioisotopes in hematology. Knospe WH, et al. **IMJ** 1980 Sep; 158(3):117–22

Tracers in neurodiagnosis. Borkar A, et al. **Indian Pediatr** 1981 Jan;18(1):23–7

Radiotracer studies on molecular mechanisms of death and resuscitation. Nikulin VJ, et al. **Int J Appl Radiat Isot** 1980 Nov;31(11):707–11

81mKr radionuclide venography. Bassett LW, et al. **Int J Nucl Med Biol** 1980;7(4):378–81

Pulmonary function and 81mKr scans in obstructive pulmonary disease. Kaplan E, et al. **Int J Nucl Med Biol** 1981;8(1):39–51

The local actual–to–maximum uptake ratio in the interpretation of 102Ti scintigrams in acute myocardial infarction. Popa N, et al. **Int J Nucl Med Biol** 1981; 8(1):128–36

The effect of certain variables on the tumor and tissue distribution of tracers. IV. False carriers: ferric citrate. Hagan PL, et al. **Invest Radiol** 1981 May–Jun;16(3):229–33

Radioisotopic evaluation of skeletal disease. Kirchner PT, et al. **J Bone Joint Surg [Am]** 1981 Apr;63A(4):673–81

Classification of radioactive pesticide residues in food–producing animals. Dorough HW. **J Environ Pathol Toxicol** 1980 Jun–Jul;3(5–6):11–9 (24 ref.)

Schistosoma bovis, S. intercalatum and S. haematobium: methods for in vivo radiolabelling of cercariae with radioselenium. Christensen NO. **J Helminthol** 1981 Mar; 55(1):9–12

Factors influencing the fate of 111indium–labelled lymphocytes after transfer to syngeneic rats. Sparshott SM, et al. **J Immunol Methods** 1981;41(3):303–20

Synthesis of selenium–75 labeled tertiary diamines: new brain imaging agents. Kung H, et al. **J Med Chem** 1980 Oct; 23(10):1127–30

The saga of scintigraphy in acute myocardial infarction. Bianco JA. **J Nucl Med** 1981 Aug;22(8):739–42 (45 ref.)

Effects of meal size and correction technique on gastric emptying time: studies with two tracers and opposed detectors. Christian PE, et al. **J Nucl Med** 1980 Sep; 21(9):883–5

Scintigraphy with In–111–labeled red cells in intermittent gastrointestinal bleeding. Ferrant A, et al. **J Nucl Med** 1980 Sep;21(9):844–5

Clinical imaging with indium–111 leukocytes: uptake in bowel infarction. Gray HW, et al. **J Nucl Med** 1981 Aug; 22(8):701–2

Single–photon emission computed tomography to study cerebral function in man. Hill TC. **J Nucl Med** 1980 Dec; 21(12):1197–9

Indium–114m in dual–nuclide studies with Cr–51: comparison with indium–111. Liburdy RP, et al. **J Nucl Med** 1980 Oct; 21(10):992–4

Redistribution on the thallium scan in myocardial sarcoidosis: concise communication. Makler PT, et al. **J Nucl Med** 1981 May;22(5):428–32

Seven–pinhole emission tomography with thallium–201 in patients with prior myocardial infarction. Ritchie JL, et al. **J Nucl Med** 1981 Feb;22(2):107–12

Ruthenium–97 hepatobiliary agents for delayed studies of the biliary tract. I. ru–97 PIPIDA: concise communication. Schachner ER, et al. **J Nucl Med** 1981 Apr;22(4):352–7

An algorithm for calculation of background activity in thallium–201 myocardial imaging [letter] Sullivan M, et al. **J Nucl Med** 1981 May;22(5):478

Detection of intermittent gastrointestinal bleeding with indium–111–labeled erythrocytes [letter] Winzelberg GG. **J Nucl Med** 1981 Jan;22(1):96–7

Radioactive chains in medicine. Balsenc L, et al. **J Nucl Med Allied Sci** 1980 Jul–Dec;24(3–4):221–2

Radiocopper (64Cu) incorporation into ceruloplasmin in chronic active hepatitis and in liver cirrhosis. Piaggi V, et al. **J Nucl Med Allied Sci** 1980 Jul–Dec;24(3–4):177–81

Clinical ventilation imaging with 113mIn aerosol. Wollmer P, et al. **J Nucl Med Allied Sci** 1980 Jul–Dec;24(3–4):215–20

False–positive thallium scan [letter] Alpert BS, et al. **J Pediatr** 1981 Aug;99(2):333–4

Radioactive bromide partition test in the diagnosis of tuberculous meningitis [letter] Buchanan N. **J Pediatr** 1981 Sep;99(3):506

Rapid diagnosis of infections caused by beta–lactamase–producing bacteria by means of an enzyme radioisotopic assay. Yolken RH, et al. **J Pediatr** 1980 Nov; 97(5):715–20

Radiopharmaceuticals used in myocardial imaging. Mills SL, et al. **J Pharm Sci** 1981 Jan;70(1):1–12 (346 ref.)

In–8–hydroxyquinoline platelet labeling in dogs. Porter–Fink VL, et al. **J Surg Res** 1981 Jul;31(1):87–92

Kinetics and sites of sequestration of indium 111–labeled human platelets during cardiopulmonary bypass. Hope AF, et al. **J Thorac Cardiovasc Surg** 1981 Jun;81(6):880–6

Myocardial perfusion assessed with thallium–201 and left heart volume measured by radiocardiogram at rest and during exercise in patients with coronary artery disease. Kadota K, et al. **Jpn Circ J** 1981 Feb;45(2):163–70

Thallium–201 Myocardial scintigraphy: quantification and its image processing. Kambara H, et al. **Jpn Circ J** 1981 Jan; 45(1):120–6

Clinical evaluation of serial thallium–201 myocardial scintigraphy in special reference to left ventricular function in patients with acute myocardial infarction. Nakashima Y, et al. **Jpn Circ J** 1980 Sep;44(9):709–18

Noninvasive detection of coronary artery disease by myocardial imaging with thallium–201––the significance of pharmacologic interventions. Narita M, et al. **Jpn Circ J** 1981 Jan;45(1):127–40

Evaluation of myocardial infarction by radioisotope myocardial imaging with special reference on thallium–201 myocardial perfusion imaging. Tomoda H, et al. **Jpn Circ J** 1981 Jan;45(1):141–7

The quantitative diagnosis of thallium–201 myocardial perfusion images and vectorcardiograms in myocardial infarction and hypertrophic cardiomyopathy. Watanabe Y, et al. **Jpn Circ J** 1981 Jan;45(1):148–58

Dipyridamole–loading myocardial imaging with thallium: basic investigation of its usefulness. Narita M, et al. **Kaku Igaku** 1980 Sep;17(8):939–42

Indium–111 tagged leucocytes in the diagnosis of inflammatory bowel disease. Segal AW, et al. **Lancet** 1981 Aug 1;2(8240):230–2

The testing of liver function by means of radioactive 75Se––selenium–methionine. Pirwitz B. **Mater Med Pol** 1979 Oct–Dec;11(4):360–6

Can Indium–113m be used to measure the transcapillary escape rate of transferrin? Nahmias C, et al. **Microvasc Res** 1981 Jan;21(1):128–32

Tumor localization of radiolabeled antibodies [letter] **N Engl J Med** 1980 Nov 20;303(21):1237–9

Rapid migration of 111indium–labeled granulocytes to sites of infection. Dutcher JP, et al. **N Engl J Med** 1981 Mar 5;304(10):586–9

Detection of abscesses and lymphosarcoma with 111In–deferoxamine mesylate. Dormehl IC, et al. **Nuklearmedizin** 1981 Feb;20(1):30–4

201Tl–myocardial scintigraphy: current status in coronary artery disease, results of sensitivity/specificity in 3092 patients and clinical recommendations. Hör G, et al. **Nuklearmedizin** 1981 Jun;20(3):136–47

Incomplete and flow dependent extraction of 86Rb in the rat kidney. Errors in local flow estimation. Rosivall L, et al. **Pfluegers Arch** 1981 Jun;390(3):216–8

Whole animal studies using tracer kinetics. Kronfeld DS, et

al. **Proc Nutr Soc** 1981 Jan;40(1):129–38 (21 ref.)
Myocardial perfusion imaging in ischemic heart disease. Ashburn WL, et al. **Radiol Clin North Am** 1980 Dec; 18(3):467–86 (78 ref.)
Radioisotope method for measurement of coronary blood flow. Sheiretova E, et al. **Radiol Diagn (Berl)** 1980; 21(6):831–6
Ultrasonography and indium 111 white blood cell scanning for the detection of intraabdominal abscesses. Carroll B, et al. **Radiology** 1981 Jul;140(1):155–60
Reverse redistribution: worsening of thallium–201 myocardial images from exercise to redistribution. Hecht HS, et al. **Radiology** 1981 Jul;140(1):177–81
111Indium–chloride bone marrow scintigraphy in aplastic anaemia. Pauwels EK, et al. **Scand J Haematol** 1981 Feb; 26(2):81–90
Clinical applications of thallium–201 myocardial imaging. McKillop JH, et al. **Scott Med J** 1980 Jan;25(1):41–4
Special characteristics and potential of single photon emission computed tomography in the brain. Cowan RJ, et al. **Semin Nucl Med** 1980 Oct;10(4):335–44 (35 ref.)
Thallium 201 scintigraphy. McKillop JH. **West J Med** 1980 Jul;133(1):26–43
[Imaging of the myocardium with thallium–201] Human GP, et al. **S Afr Med J** 1981 Apr 4;59(15):524–8 (42 ref.) (Eng. Abstr.) **(Afr)**
[The diagnosis of ischemic heart diseases with thallium–201] Human GP, et al. **S Afr Med J** 1981 Apr 4;59(15):529–32 (Eng. Abstr.) **(Afr)**
[Ventilation studies of the lung with krypton–81m] Klopper JF, et al. **S Afr Med J** 1981 Aug 1;60(5):166–70 (Eng. Abstr.) **(Afr)**
[201Tl study of regional myocardial perfusion using a gamma counter and the EC1020 computer] Sheiretova E, et al. **Vutr Boles** 1981;20(3):37–44 (Eng. Abstr.) **(Bul)**
[Scintiscan detection of ischaemic and other myocardial lesions using 201Tl (author's transl)] Duška F, et al. **Cas Lek Cesk** 1981 Mar 19;120(11):314–7 (Eng. Abstr.) **(Cze)**
[Reproducibility of the course of gastric evacuation after administration of a test meal with 113mIn] Drastík J, et al. **Cesk Gastroenterol Vyz** 1980 Jun;34(4):241–6 (Eng. Abstr.) **(Cze)**
[Evaluation of bullous emphysema by the usual means and radioactive gas tracers: results after surgery] Bartsch P, et al. **Bronchopneumologie** 1980 May–Jun;30(3):182–92 **(Fre)**
[Absorbed doses during radioisotopic lung investigations by radioactive aerosols (author's transl)] Beau PG, et al. **Bull Eur Physiopathol Respir** 1981;17(3):441–50 (Eng. Abstr.) **(Fre)**
[Use of radioisotopes in diagnosis] Beckers C. **Bull Mem Acad R Med Belg** 1979 Oct 27;134(9):451–60 (Eng. Abstr.) **(Fre)**
[Investigation of obliterative arterial disease of the lower limbs, by muscular scintigraphy using thallium (author's transl)] Robert J, et al. **J Mal Vasc** 1980;5(2):129–34 (Eng. Abstr.) **(Fre)**
[201Thallium myocardial scintigraphy in coronary disease. Methods and significance] Montz R, et al. **Dtsch Med Wochenschr** 1981 May 22;106(21):683–6 **(Ger)**
[Optimum values and limits of employing of diagnostic tests (author's transl)] Kummer G. **Radiobiol Radiother (Berl)** 1980 Oct;21(5):650–5 (Eng. Abstr.) **(Ger)**
[Optimum and limiting values of the use of diagnostical tests (author's transl)] Strohner P, et al. **Radiobiol Radiother (Berl)** 1980 Oct;21(5):656–9 (Eng. Abstr.) **(Ger)**
[201–thallium stress scintigram in patients with coronary artery disease after administration of the cardioselective betablocker atenolol (author's transl)] Chlup J, et al. **Z Kardiol** 1981 Jun;70(6):450–4 (Eng. Abstr.) **(Ger)**
[Correlation between myocardial Thallium–201 kinetics, myocardial lactate metabolism and coronary angiographic findings in hypertrophic cardiomyopathy (author's transl)] Hanrath P, et al. **Z Kardiol** 1980 May;69(5):353–9 (Eng. Abstr.) **(Ger)**
[Myocardial scintigraphy (thallium–201) and electrocardiography at rest and during exercise in angina pectoris. A comparison with coronary angiography (author's transl)] Minning E, et al. **Z Kardiol** 1980 Jan; 69(1):43–51 (Eng. Abstr.) **(Ger)**
[Results of quantitative myocardial scintigraphy with thallium–201 at rest and after maximum exercise—critical analysis of predictive value and clinical application (author's transl)] Schicha H, et al. **Z Kardiol** 1980 Jan; 69(1):31–42 (Eng. Abstr.) **(Ger)**
[Clinical correlations, lactate extraction, coronary venous bloodflow and Thallium–201 myocardial imaging in patients with isolated left anterior descending muscle bridges: normal variant or obstruction? (author's transl)] Voss H, et al. **Z Kardiol** 1980 May;69(5):347–52 (Eng. Abstr.) **(Ger)**
[Modified measurement of placental blood flow at I Gynaecological Hospital of Vienna University (author's transl)] Philipp K. **Zentralbl Gynaekol** 1980;102(2):65–70 (Eng. Abstr.) **(Ger)**
[Nuclear medical diagnosis. Indications and value] Rösler H. **ZFA (Stuttgart)** 1981 Jan 20;57(2):87–97 **(Ger)**
[Possible use of stable tracers in hematological research. Preliminary note] Ciancarelli MG, et al. **Boll Soc Ital Biol Sper** 1980 Apr 30;56(8):846–51 (Eng. Abstr.) **(Ita)**
[Considerations on myocardial scintigraphy with 201thallium after stress (author's transl)] Bobba F, et al. **G Ital Cardiol** 1979;9(11):1318–27 (Eng. Abstr.) **(Ita)**
[Current status and prospects of non–invasive diagnostic methods. Computerized tomography (CT), echotomography and nuclear medicine] Catalano D. **Minerva Med** 1980 Sep 1;71(31):2241–4 **(Ita)**
[111–In–bleomycin as a positive indicator: evaluation of results in 252 cases controlled by histological diagnosis] Bombardieri E, et al. **Radiol Med (Torino)** 1980 Nov; 66(11):877–9 **(Ita)**
[Myocardial scintigraphy with 201T1 chloride in infarct coronary pathology: personal experience] Muto P, et al. **Radiol Med (Torino)** 1980 Nov;66(11):827–8 **(Ita)**
[Computerized 201Tl study of a cold thyroid nodule] Palermo F, et al. **Radiol Med (Torino)** 1980 Nov; 66(11):875–7 **(Ita)**
[Myocardial 201T1 perfusion scintigraphy with the exercise test and/or with dipyridamole in the diagnosis of ischemic cardiopathies] Picozzi R, et al. **Radiol Med (Torino)** 1980 Nov;66(11):828–30 **(Ita)**
[Studies of interventricular septal motion after heart valve replacement by two–dimensional echocardiography and thallium 201 scintigraphy (author's transl)] Fujii J, et al. **J Cardiogr** 1981 Mar;11(1):33–40 (Eng. Abstr.) **(Jpn)**
[Myocardial imaging with thallium –201 in the patients with coronary involvement after Kawasaki disease (author's transl)] Kohata T, et al. **J Cardiogr** 1981 Mar;11(1):105–14 (Eng. Abstr.) **(Jpn)**
[Adrenal scintigraphy with 75Se–Scintadren: localizing diagnosis of adrenal adenoma in primary aldosteronism (author's transl)] Kobayashi T, et al. **Kaku Igaku** 1980 Jul; 17(5):607–14 **(Jpn)**
[Regional cerebral blood flow image by the method of single photon emission computed tomography: continuous intracarotid injection of krypton–81m (author's transl)] Maeda T, et al. **Kaku Igaku** 1980 Aug;17(7):829–32 (Eng. Abstr.) **(Jpn)**
[A quantitative approach to the analysis of the thallium–201 myocardial scintigram (evaluation by circumferential profile method) (author's transl)] Miyanaga H, et al. **Kaku Igaku** 1980 Dec;17(10):1279–84 (Eng. Abstr.) **(Jpn)**
[Dynamic changes of 75Se–selenomethionine in the blood, pancreatic juice and bile (author's transl)] Nakayama S, et al. **Kaku Igaku** 1980 Jul;17(5):579–82 (Eng. Abstr.) **(Jpn)**
[Clinical studies on the thallium–201 myocardial scintiphotography in the patients with ischemic heart diseases: studies in organ distribution of thallium–201 and in the measurement of myocardial blood flow (author's transl)] Owada K, et al. **Kaku Igaku** 1980 Sep;17(8):891–9 (Eng. Abstr.) **(Jpn)**
[Single photon emission CT of the myocardium with thallium–201 (author's transl)] Tada A, et al. **Kaku Igaku** 1980 Dec;17(10):1241–7 (Eng. Abstr.) **(Jpn)**
[Clinical usefulness of Tl–201 thyroid tumor scintigraphy (author's transl)] Tamaki N, et al. **Kaku Igaku** 1981 Mar; 18(2):257–63 **(Jpn)**
[Lung uptake of thallium–201 on resting myocardial imaging in assessment of pulmonary edema (author's transl)] Tamaki N, et al. **Kaku Igaku** 1981 Mar;18(2):159–66 (Eng. Abstr.) **(Jpn)**
[Evaluation of portal circulation by 201Tl–chloride per–rectal scintigraphy (author's transl)] Tonami N, et al. **Kaku Igaku** 1981 Mar;18(2):205–9 (Eng. Abstr.) **(Jpn)**
[Quantitative assessment of myocardial blood flow by measurement of fractional myocardial uptake of 201Tl (author's transl)] Yonekura Y, et al. **Kaku Igaku** 1980 Dec; 17(10):1211–20 (Eng. Abstr.) **(Jpn)**
[Quantitative evaluation of 201–T1 myocardial scintigrams (I)] Kanemoto N. **Kokyu To Junkan** 1980 May;28(5):476 **(Jpn)**
[201–T1 myocardial scintigraphy] Kanemoto S. **Kokyu To Junkan** 1980 Sep;28(9):1030 **(Jpn)**
[Visualization of the right ventricle by T1–201 myocardial perfusion scintigraphy (author's transl)] Ono A, et al. **Kokyu To Junkan** 1980 Nov;28(11):1299–303 (Eng. Abstr.) **(Jpn)**
[Evaluation of the myocardial infarct size using thallium–201 scintiphotography (author's transl)] Owada K, et al. **Kokyu To Junkan** 1981 Feb;29(2):185–93 (Eng. Abstr.) **(Jpn)**
[Assessment of myocardial blood flow after aorto–coronary bypass surgery by 201thallium perfusion scintigraphy (author's transl)] Fujiwara T, et al. **Kyobu Geka** 1980; 33(7):495–9 (Eng. Abstr.) **(Jpn)**
[Clinical study of bone marrow scintigraphy with 111In chloride (author's transl)] Ino T, et al. **Radioisotopes** 1980 Dec;29(12):614–7 **(Jpn)**
[External exposure around the patients during the three dimensional gamma–cerebral blood flow using 81mKr (author's transl)] Orito T, et al. **Radioisotopes** 1980 Sep; 29(9):451–3 **(Jpn)**
[Evaluation of adrenal diseases with a new adrenal–scanning agent, 6–methyl–75Se–selenomethyl–19–norcholest–5(10)–en–3 beta–ol (author's transl)] Seto H, et al. **Radioisotopes** 1980 May;29(5):247–9 **(Jpn)**
[201T1–myocardial perfusion image by single photon emission CT (author's transl)] Tada A, et al. **Radioisotopes** 1980 May;29(5):240–2 **(Jpn)**
[Tumor scintigraphy by intraarterial injection of 201Tl–chloride (author's transl)] Tonami N, et al. **Radioisotopes** 1980 Apr;29(4):194–5 **(Jpn)**
[Fundamental study of hepato–biliary and alimentary scintigram with double isotope method (author's transl)] Torizumi K, et al. **Radioisotopes** 1980 Jul;29(7):349–51 **(Jpn)**
[86rb uptake by red cells (author's transl)] Yamane T, et al. **Radioisotopes** 1980 Dec;29(12):602–4 **(Jpn)**
[Scintigraphy of hepatic tumor with 75Se–selenomethionine (author's transl)] Sakata H, et al. **Rinsho Hoshasen** 1980 Oct;25(11):1191–4 (Eng. Abstr.) **(Jpn)**
[113mIn–phytate—a new agent for liver scintigraphy (author's transl)] Jakubowski W, et al. **Pol Przegl Radiol** 1980 Jan–Feb;44(1):79–82 (Eng. Abstr.) **(Pol)**
[75Se — selenocholesterol — a new radionuclide for adrenal scintiscanning. Preliminary clinical investigations (author's transl)] Jakubowski W, et al. **Pol Przegl Radiol** 1980 May–Jun;44(3):223–5 (Eng. Abstr.) **(Pol)**
[Scintigraphic investigations of the adrenals by means of 75Se–selenocholesterol (author's transl)] Jakubowski W, et al. **Pol Przegl Radiol** 1980;44(4):307–10 (Eng. Abstr.) **(Pol)**
[Use of radioisotopes for the evaluation of coronary circulation] Trojnar R. **Pol Tyg Lek** 1980 Jun 16; 35(24):919–21 (21 ref.) **(Pol)**
[Radioindicator techniques in environmental health studies] Bogomazov MIa. **Gig Sanit** 1980 Jun;(6):61–2 **(Rus)**
[Visualization of the spleen using colloidal 113mIn] Dzhalmukashev UK, et al. **Med Radiol (Mosk)** 1981 Jan; 26(1):37–41 (Eng. Abstr.) **(Rus)**
[Diagnosis of malignant neoplasms using 111In–bleomycin] Krotkov FF, et al. **Med Radiol (Mosk)** 1980 Dec; 25(12):28–34 (Eng. Abstr.) **(Rus)**
[Determination of separated renal clearances of 131I–hippuran by means of gamma camera and computer (author's transl)] Horák V, et al. **Bratisl Lek Listy** 1980 Aug;74(2):207–14 (Eng. Abstr.) **(Slo)**

METABOLISM

Molecular diffusion cannot account for spreading of isotope distribution peaks during rapid axoplasmic transport. Gross GW, et al. **Brain Res** 1981 Jul 6;216(1):215–8
Myocardial thallium–201 kinetics in normal and ischemic myocardium. Grunwald AM, et al. **Circulation** 1981 Sep; 64(3):610–8
Distribution of 203Pb during lead–potentiated endotoxic shock. Cook JA, et al. **Exp Mol Pathol** 1981 Jun; 34(3):253–63
Liposomal encapsulated Zn–DTPA for removing intracellular 169Yb. Blank ML, et al. **Health Phys** 1980 Dec;39(6):913–20
Comparative metabolism of 54Mn, 59Fe, 60Co and 65Zn incorporated into Chlorella and in inorganic form in rats. Inaba J, et al. **Health Phys** 1980 Oct;39(4):611–7
Metabolism and dosimetry of inhaled 106RuO4 in Fischer–344 rats. Runkle GE, et al. **Health Phys** 1980 Sep; 39(3):543–53
A modification to a recurrence formula for linear first–order equations. Scherpelz RI, et al. **Health Phys** 1981 Jun; 40(6):905–7
Indium–111–oxine labeled mouse spleen cells. Dettman GL, et al. **Int J Nucl Med Biol** 1981;8(1):137–43
Effect of altered thyroid states on tissue uptake of 113mIn in the mouse. Russak EM, et al. **Int J Nucl Med Biol** 1981; 8(1):115–7
Se–75–labeled bile acid analogs, new radiopharmaceuticals for investigating the enterohepatic circulation. Boyd GS, et al. **J Nucl Med** 1981 Aug;22(8):720–5
Technetium radiopharmaceuticals: chemical characterization and tissue distribution of Tc–glucoheptonate using Tc–99m and carrier Tc–99. de Kieviet W. **J Nucl Med** 1981 Aug; 22(8):703–9
Effects of exercise on kinetics and distribution of K–43 and Tl–201 in isolated myocardium: concise communication. Llaurado JG, et al. **J Nucl Med** 1981 May;22(5):441–6
Differences between 201Tl and 43K tissue distribution in rested and exercises rats. Llaurado JG, et al. **Nuklearmedizin** 1981 Feb;20(1):40–5
Whole–body retention, excretion and metabolism of [74As]arsenic acid in the hamster. Charbonneau SM, et al. **Toxicol Lett** 1980 Mar;5(3–4):175–82
[Pharmacokinetic study of 205–206 Bi–citrate in the rat. Compartmental repartition (author's transl)] Pieri F, et al. **Cell Mol Biol** 1981;27(1):57–60 (Eng. Abstr.) **(Fre)**
[Gamma–emitter labelled amino sugars: organ distribution and metabolism of 103Ru–ruthenocene derivatives in mice] Wenzel M, et al. **Int J Appl Radiat Isot** 1981 Jan;32(1):5–11 (Eng. Abstr.) **(Ger)**

STANDARDS

Practical considerations on the hospital quality control of radiopharmaceuticals. Verbruggen AM. **J Belge Radiol** 1980;63(6):701–11

THERAPEUTIC USE

Round–table discussion on radiopharmaceuticals. **Nuklearmedizin** 1981 Feb;20(1):1–12

Development of 132 Ir sources for brachytherapy. Kato H, et al. **Radioisotopes** 1980 Sep;29(9):427–31
Irradiation of biliary carcinoma. Herskovic A, et al. **Radiology** 1981 Apr;139(1):219–22
Astatine–211––tellurium 'radiocolloid cures experimental malignant ascites. Bloomer WD, et al. **Science** 1981 Apr 17;212(4492):340–1
[Clinical dosimetry in radium 226 and iridium 192 interstitial therapy of oral tongue cancer (author's transl)] Baroncelli G, et al. **Radiol Med (Torino)** 1980 Nov;66(11):819–26 (Eng. Abstr.) **(Ita)**

RADIOLIGAND ASSAY

Radioligand binding studies of adrenergic receptors and their clinical relevance. Barnes PJ. **Br Med J [Clin Res]** 1981 Apr 11;282(6271):1207–10 (51 ref.)
A protein binding radio–assay method for measuring PCB (hexachlorobiphenyl) incorporation in culture cells. Byrne JJ, et al. **Bull Environ Contam Toxicol** 1981 Feb; 26(2):237–42
Evaluation of a radioreceptor assay for beta–adrenoceptor antagonists in plasma. Barnett DB, et al. **Eur J Clin Pharmacol** 1980 May;17(5):349–54
Disposition and activity of beta–adrenoceptor antagonists in the rat using an ex vivo receptor binding assay. Sriwatanakul K, et al. **Eur J Pharmacol** 1980 Aug 29; 66(2–3):169–78
beta–Endorphin: radioreceptor binding assay. Relative potency of synthetic analogs with various chain lengths. Ferrara P, et al. **Int J Pept Protein Res** 1980 Jul;16(1):66–9
beta–endorphin: synthesis of analogs with extension at the carboxyl terminus with high radioreceptor binding activity. Yamashiro D, et al. **Int J Pept Protein Res** 1980 Jul; 16(1):70–4
Synthesis and radioreceptor binding activity of turkey beta–endorphin and deacetylated salmon endorphin. Yamashiro D, et al. **Int J Pept Protein Res** 1980 Jul; 16(1):75–8
The dopamine radioreceptor assay––a clinical application. Kurland AA, et al. **J Clin Pharmacol** 1980 Oct;20(10):553–9
A radioreceptor assay for neuroleptic drugs in plasma. Lader SR. **J Immunoassay** 1980;1(1):57–75
Changes in alpha–adrenergic receptors in rat brain in vitro by preincubation with alpha–adrenergic ligands. Hata F, et al. **Jpn J Pharmacol** 1980 Aug;30(4):570–4
Anomalous equilibrium binding properties of high–affinity racemic radioligands. Bürgisser E, et al. **Mol Pharmacol** 1981 Mar;19(2):205–16
Serum levels of neuroleptics measured by dopamine radioreceptor assay and some clinical observations. Calil HM, et al. **Psychiatry Res** 1979 Jul;1(1):39–44
Clinical use of the radioreceptor assay for neuroleptics. Cohen BM, et al. **Psychiatry Res** 1980 May;2(2):173–8
Use of the radioreceptor assay for human chorionic gonadotropin in the diagnosis of ectopic pregnancy. Pelosi MA. **Surg Gynecol Obstet** 1981 Feb;152(2):149–52
[The cytochemical detection of steroid receptors: a new tool for research in mammary oncology? (author's transl)] Danguy A, et al. **Rev Med Brux** 1981 May;2(5):477–81 (Eng. Abstr.) **(Fre)**
[Radioligand assay: methods and application. V. Mono–125I–insulin: preparation and immunological and biological characterization] Besch W, et al. **Acta Biol Med Ger** 1980;39(4):495–502 (Eng. Abstr.) **(Ger)**

METHODS

Intrinsic factor, free of R proteins, can be prepared from mouse stomach and used in a ligand assay specific for 'true' cobalamin. Reynoso G, et al. **Am J Clin Pathol** 1981 Jun; 75(6):786–93
A protein–binding radioassay for 6 beta–hydroxycortisol: detection in pregnancy urine and amniotic fluid. Bowler–Wong SJ, et al. **Am J Obstet Gynecol** 1981 Feb 1;139(3):243–9
Preparation and characterization of an 125I–labeled Sendai virus ligand. McDonald HC, et al. **Anal Biochem** 1980 Jul 15;106(1):127–33
Evaluation of methods for measurement of steroid hormone receptors. Armitage EK, et al. **Ann Clin Lab Sci** 1981 Jan–Feb;11(1):69–74
A radioreceptor assay for quantitating plasma factor VIII/von Willebrand's protein. Kao KJ, et al. **Blood** 1981 Mar;57(3):579–85
Evaluation of pteroylglutamic acid and n–5–methyltetrahydrofolic acid reference standards in a new 'No–Boil' radioassay for serum folate. Theobald RA, et al. **Clin Chem** 1981 Apr;27(4):553–5
A specific competitive protein binding assay for serum 24,25–dihydroxyvitamin D in normal children and patients with nephrotic syndrome. Shimotsuji T, et al. **Clin Chim Acta** 1980 Sep 25;106(2):145–54
Studies on the application of the hormone–receptor reaction for determination of HCG or LH in human serum and urine. Lange E, et al. **Endokrynol Pol** 1980 Sep–Oct; 31(5):413–27
Radioligand assays–methods and applications. IV. Uniform regression of hyperbolic and linear radioimmunoassay calibration curves. Keilacker H, et al. **J Biochem Biophys Methods** 1980 Oct;3(4):225–31
Radio–ligand immunoassay for human hemoglobin variants. Javid J, et al. **J Immunol Methods** 1981;41(2):247–55
Neuroleptic serum levels measured by radioreceptor assay and clinical response in schizophrenic patients. Tune LE, et al. **J Nerv Ment Dis** 1981 Jan;169(1):60–3
Evaluation and comparison of two fully automated radioassay systems with distinctly different modes of analysis. Chen IW, et al. **J Nucl Med** 1980 Dec; 21(12):1162–8
Beta–adrenergic receptors of human polymorphonuclear leukocytes. Lee TP, et al. **Res Commun Chem Pathol Pharmacol** 1981 Mar; 31(3):453–62
Identification of different subgroups of beta–receptors by means of binding studies in guinea–pig and human lung. Engel G. **Triangle** 1980;19(2):69–76
[Characterization of cAMP–dependent protein kinases by photoaffinity labeling (author's transl)] Imashuku S, et al. **Horumon To Rinsho** 1981 Feb;29(2):169–72 **(Jpn)**
[Evaluation of TBG radioassay using ligand partitioning sandwich method (Corning) (author's transl)] Asatsu M, et al. **Kaku Igaku** 1981 Mar;18(2):249–55 **(Jpn)**
[Simplified methods for the determination of testosterone–estradiol–binding globulin (TeBG) capacity and % bound of testosterone and estradiol to TeBG (author's transl)] Kira M. **Nippon Naibunpi Gakkai Zasshi** 1980 Oct 20;56(10):1461–74 (Eng. Abstr.) **(Jpn)**
[A radioreceptor assay for catecholamines. II. A study with 4–(2–iodoethyl) pyrocatechol (author's transl)] Ohmori Y, et al. **Nippon Naibunpi Gakkai Zasshi** 1980 Jul 20; 56(7):983–92 (Eng. Abstr.) **(Jpn)**
[The method for the measurement of the binding capacity of testosterone–estradiol binding globulin (author's transl)] Utsunomiya T, et al. **Nippon Naibunpi Gakkai Zasshi** 1980 Oct 20;56(10):1475–83 (Eng. Abstr.) **(Jpn)**
[Insulin receptor assay (author's transl)] Ozaki S. **Rinsho Byori** 1980 Oct;28(10):1006–12 **(Jpn)**
[Comparison of the accuracy of determination of blood serum concentrations of chorionic gonadotropins in pregnancy by the radioligand assay and radioimmunoassay] Paszko Z, et al. **Ginekol Pol** 1980 Jul;51(7):591–8 (Eng. Abstr.) **(Pol)**
[Rapid method of radioimmunologic determination of placental hormones] Szymanski W. **Ginekol Pol** 1980 Dec; 51(12):1105–9 (Eng. Abstr.) **(Pol)**

STANDARDS

Competitive binding studies with multiple sites. Effects arising from depletion of the free radioligand. Wells JW, et al. **Biochim Biophys Acta** 1980 Oct 15;632(3):464–9

VETERINARY

Plasma progesterone in cattle. I. Development and validity of the assay. Terblanche HM, et al. **Onderstepoort J Vet Res** 1980 Sep;47(3):179–85

RADIOLOGIC PHYSICS see **HEALTH PHYSICS**

RADIOLOGY

1981 ARRS presidential address: the radiology shop. Martin JF. **AJR** 1981 Aug;137(2):426–8
Clinician vs. technician [letter] Meshkov SL. **AJR** 1980 Oct; 135(4):878
The evolving role of interventional radiologists [editorial] Ring EJ, et al. **AJR** 1980 Oct;135(4):870–1
Personal usage of medical radiological procedures by radiologists, pathologists, and their families. Jessup GL Jr, et al. **Am J Epidemiol** 1981 Jul;114(1):53–62
Mortality from cancer and all causes among British radiologists. Smith PG, et al. **Br J Radiol** 1981 Mar; 54(639):187–94
The unit of radiology. Concluding address at the 3rd Asian Oceanian Congress of Radiology in Singapore in November 1979. Middlemiss JH. **Clin Radiol** 1980 May; 31(3):241–2
Interpretation of measured exposure rate levels in diagnostic radiology. Villafana T. **Health Phys** 1981 Mar;40(3):394–9
X–ray questionnaire [letter] Blank H. **J Am Acad Dermatol** 1981 Feb;4(2):236
The Royal Australasian College of Radiologists attitude paper on population exposure to radiation used in diagnostic radiation. **Med J Aust** 1980 Sep 20;2(6):314
Literature in pediatric radiology. **Pediatr Radiol** 1980 Nov; 10(2):124–8
Report of the International Society of Radiographers and Radiological Technicians, International Teachers Seminar held in Lagos, Nigeria––August 17–23, 1980. Watson A. **Radiography** 1981 Feb;47(554):42–55
The pregnant x–ray technologist––providing adequate radiation safety for the fetus. Caprio ML Jr. **Radiol Technol** 1980 Sep–Oct;52(2):161–3
The effect of search time on perception. Christensen EE, et al. **Radiology** 1981 Feb;138(2):361–5
Pediatric radiologists in the United States and Canada: involvement with newer imaging modalities. Leonidas JC, et al. **Radiology** 1981 Jan;138(1):235–7
Percutaneous skeletal biopsy 1981: a procedure for radiologists––results, review, and recommendations. Murphy WA, et al. **Radiology** 1981 Jun;139(3):545–9
[Société Royale Belge de Radiologie. Membership list] **J Belge Radiol** 1981;64(1):109–24 **(Fre)**
[From the characteristic to the pathognomonic passing through the specific in clinical radiology] Wackenheim A, et al. **J Radiol** 1980 Oct;61(10):642–3 **(Fre)**
[Extreme specialization in surgery––deficient differentiation in radiology] Maurath J. **Med Welt** 1981 May 22; 32(21):821–3 **(Ger)**
[The radiologist's professional radiation risk in the view of international epidemiological studies (author's transl)] Schüttmann W. **Radiol Diagn (Berl)** 1980;21(6):849–58 (20 ref.) (Eng. Abstr.) **(Ger)**
[Responsibility, status and role of the medical physicist in the Federal Republic of Germany (author's transl)] Kaul A, et al. **Strahlentherapie** 1981 Jan;157(1):66–9 (Eng. Abstr.) **(Ger)**
[Associazione Italiana di Radiologia Medica e Medicina Nucleare. Official list of members 1980] **Radiol Med (Torino)** 1981;67 Suppl:1–48 **(Ita)**
[Official directory of the members for 1979 of SIRMN, the Italian Medical Radiology and Nuclear Medicine Association] **Radiol Med (Torino)** 1979;65 Suppl:3–41 **(Ita)**
[Radiologist and ultrasonography (author's transl)] Heshiki A, et al. **Rinsho Hoshasen** 1980;25(10):1161–4 **(Jpn)**
[Index of the Soviet literature on medical radiology for 1978] Astakhov IA. **Med Radiol (Mosk)** 1980 Oct;25(10):82–92 **(Rus)**
[Index of the Soviet literature on medical radiology in 1978] Astakhov IA. **Med Radiol (Mosk)** 1981 Feb;26(2):77–85 **(Rus)**
[Improved methods of planning and coordinating research work in the field of medical radiology and roentgenology (an effort at analysing the structure of information communications)] Tsyb AF, et al. **Med Radiol (Mosk)** 1981 Mar;26(3):64–70 (Eng. Abstr.) **(Rus)**
[Patent information support for specialists in the field of roentgenology and radiology] Sviridov NK, et al. **Vestn Rentgenol Radiol** 1980 Sep–Oct;(5):76–9 **(Rus)**

ECONOMICS

Nisbet Symposium: 'Current medical politics and peer review'. Baume P. **Australas Radiol** 1979 Mar;23(1):4–9
Guide to grant applications. Weinstein RD, et al. **Radiol Technol** 1981 Jan–Feb;52(4):397–408
The challenge of cost control. Rhea JT, et al. **Radiology** 1981 Apr;139(1):237–8

EDUCATION

A new direction: the James Picker Foundation [editorial] Moseley RD Jr. **AJR** 1980 Oct;135(4):871–2
Resident film interpretations and staff review. Seltzer SE, et al. **AJR** 1981 Jul;137(1):129–33
Radiology and examinations. Mackintosh CE. **Br J Hosp Med** 1980 Jun;23(6):595
The training of radiotherapists in the United States. del Regato JA, et al. **Int J Radiat Oncol Biol Phys** 1980 Dec; 6(12):1705–10
American Association of Dental Schools curricular guidelines for oral radiology. **J Dent Educ** 1980 Nov; 44(11):674–9
Curricular guidelines for dental auxiliary radiology. **J Dent Educ** 1981 May;45(5):320–3
Clinical oncology: the future of radiotherapy and medical oncology. Peckham MJ. **Lancet** 1981 Apr 18;1(8225):886–7
Who should treat cancer? Tobias JS, et al. **Lancet** 1981 Apr 18;1(8225):884–6
[An innovation in the European diplomas in radiology. Results, implications, and future] Laffitte H. **Bull Acad Natl Med (Paris)** 1980 Feb;164(2):189–93 (Eng. Abstr.) **(Fre)**
[Educational program for the continuing education of the radiologist] Baudisch E. **Radiol Diagn (Berl)** 1980; 21(3):418–26 **(Ger)**
[Thoughts on a reorganization of radiology training for dental students] Grossmann I, et al. **Stomatol DDR** 1980 Jun; 30(6):412–5 **(Ger)**
[European diploma in radiology] **Radiol Med (Torino)** 1979 Jul–Aug;65(7–8):566–72 **(Ita)**
[Planning higher medical education and teaching problems in roentgenology and radiology] Lindenbraten LD. **Med Radiol (Mosk)** 1981 Jun;26(6):3–7 (Eng. Abstr.) **(Rus)**

HISTORY

Roentgenology 1902. **AJR** 1981 Mar;136(3):630–1
The archives of the Royal Australasian College of Radiologist. Guide to the history collection: H681–H705 sundry accessions. Owen MD. **Australas Radiol** 1979 Mar; 23(1):15–9
Classics in oncology. Effects of radiation on normal tissues: Shields Warren M.D. **CA** 1980 Nov–Dec;30(6):350–5
Röntgen's discovery of X–ray and Lenard's priority claim; award of first Nobel Prize in physics in 1901. Kraft E, et al. **NY State J Med** 1980 Sep;80(10):1623–5
Beginning of radiology in 1896; first newspaper report of discovery of x–ray. Kraft E, et al. **NY State J Med** 1981 Apr;81(5):805–6
The history of radiology in South Dakota. Breit DH, et al. **SD J Med** 1981 May;34(5):56–8
[75th anniversary of the German Roentgen Society] Ratti A. **Radiol Med (Torino)** 1980 Jul–Aug;66(7–8):481–4 **(Ita)**

[Development of the x-ray radiology service in the Mongolian People's Republic] Purévzhav T. **Vestn Rentgenol Radiol** 1981;(3):74–6 **(Rus)**

[50th anniversary of the Department of Roentgenology and Radiology of the Kirov Military Medical Academy] Tiurin EI, et al. **Vestn Rentgenol Radiol** 1981 Mar–Apr;(2):87–9 **(Rus)**

[25th anniversary of the Department of Roentgenology and Radiology of the N. A. Semashko Moscow Medical Stomatology Institute] Vorob'ev IuI, et al. **Vestn Rentgenol Radiol** 1980 Sep–Oct;(5):88–9 **(Rus)**

[50th anniversary of the Department of Roentgenology and Radiology of the S. M. Kirov Military Medical Academy] Kishkovskii AN, et al. **Voen Med Zh** 1980 Sep;(9):76–8 **(Rus)**

INSTRUMENTATION

Computers in radiology. A question of compatibility. Ackerman LV. **Radiology** 1981 May;139(2):505–6

Carbon-fiber materials in radiology. Hendee WR. **Radiology** 1981 Jul;140(1):245–6

MANPOWER

The transition from therapeutic radiologist to radiation oncologist [editorial] Fuller DE. **Int J Radiat Oncol Biol Phys** 1980 Jul;6(7):953–4

[Chromosome aberrations in subject occupationally exposed to radiation. Statistical analysis (author's transl)] Juliani G, et al. **Radiol Med (Torino)** 1979 Jul–Aug;65(7–8):541–50 (Eng. Abstr.) **(Ita)**

METHODS

Interventional radiology: out of the shadows [editorial] **Del Med J** 1981 Jan;53(1):13–5

Computerized radiologic reporting with voice data-entry. Leeming BW, et al. **Radiology** 1981 Mar;138(3):585–8

STANDARDS

Turf battles [editorial] Calhoun JD. **AJR** 1981 Apr; 136(4):857–8

ASMT comments on H.R. 6057 Consumer-Patient Radiation Health and Safety Act of 1979. **Am J Med Technol** 1980 Dec;46(12):889–94

Conversion to SI units in radiology. **Br J Radiol** 1981 May; 54(641):377–80

How much do you know about quantities and units? Jennings WA. **Br J Radiol** 1981 May;54(641):381–3

The radiologist, the patient and Canadian law. Rose C. **J Can Assoc Radiol** 1980 Sep;31(3):198–201

Radiology and the law of negligence. Rose C. **J Can Assoc Radiol** 1980 Dec;31(4):261–3

Medico-legal opinion: radiology and vicarious liability. Rose C. **J Can Assoc Radiol** 1981 Mar;32(1):58–9

Why quality assurance? Alexander LL, et al. **J Natl Med Assoc** 1981 Apr;73(4):347–51

TRENDS

A new image for the neuroradiologist [editorial] Ackerman RH. **AJNR** 1980 May–Jun;1(3):271–3

The future of otoradiology. Marquet J. **J Belge Radiol** 1980; 63(2–3):401–2

Otoradiology—its current position and future prospects. Vignaud J. **J Belge Radiol** 1980;63(2–3):403–4

Orthopaedic radiology: an expanding discipline. Murray RO. **J R Soc Med** 1980 May;73(5):320–3

Contempo '81. Nuclear medicine. The radiologist's view. Freeman LM. **JAMA** 1981 Jun 5;245(21):2203–5

MARS -- its tenth anniversary of operation and its future. Lodwick GS, et al. **Methods Inf Med** 1980 Jul;19(3):125–32

Interventional radiology—review of an emerging field. Dotter CT. **Semin Roentgenol** 1981 Jan;16(1):7–12

[The future of radiology (editorial)] Kormano M. **Duodecim** 1980;96(19):1237–40 **(Fin)**

[How to keep up with the development of radiology (editorial)] Suoranta H. **Duodecim** 1980;96(19):1240–1 **(Fin)**

[Patent information work up experience with the x-ray radiology research efforts of the Moscow X-Ray Radiology Research Institute in planning for the 11th Five-Year Plan] Sviridov NK, et al. **Med Radiol (Mosk)** 1981 May;26(5):51–5 (Eng. Abstr.) **(Rus)**

RADIOLOGY DEPARTMENT, HOSPITAL see under **HOSPITAL DEPARTMENTS**

RADIOLOGY, DIAGNOSTIC X-RAY see **RADIOGRAPHY**

RADIOMETRY

Radiometric prescreen for antitumor activity with Saccharomyces cerevisiae mutant strain. Speedie MK, et al. **Antimicrob Agents Chemother** 1980 Jul;18(1):171–5

Differences in detector readings [letter] Petrozzi JW. **Arch Dermatol** 1980 Sep;116(9):986

Neutron response of Geiger-Müller photon dosemeters for neutron energies between 100 keV and 19 MeV. Guldbakke S, et al. **Health Phys** 1980 Dec;39(6):963–9

Comments on 'Comparison of the Bragg-Gray theory corollaries to fast-neutron cavity ionization measurements at 14.8 MeV' by F. H. Attix et al [letter] Milavickas L. **Health Phys** 1981 Feb;40(2):259–63

Basic data for dosage calculation and compensation. Khan FM, et al. **Int J Radiat Oncol Biol Phys** 1980 Jun; 6(6):745–51

Dosimetric considerations of very large cobalt-60 fields. Van Dyk J, et al. **Int J Radiat Oncol Biol Phys** 1980 Jun; 6(6):753–9

Optical radiation measurements and instrumentation. Andersen FA, et al. **J Invest Dermatol** 1981 Jul;77(1):8–12

Physical basis of RF hyperthermia for cancer therapy (1). Measurement for distribution in absorbed power from radiofrequency exposure in agar phantom. Ishida T, et al. **J Radiat Res (Tokyo)** 1980 Jun;21(2):180–9

SI units in radiology [editorial] **NZ Med J** 1980 Sep 10; 92(667):200

Dosimetry disparities resulting from two accepted methods of calibration of cobalt-60 teletherapy machines. Nair RP, et al. **Rev Interam Radiol** 1981 Jan;6(1):17–20

[Remarks on the ultraviolet dosimetry of puva irradiation units using photoelements or photocells (author's transl)] Barth J, et al. **Dermatol Monatsschr** 1980 Apr;166(4):241–3 **(Ger)**

[Uses in nuclear medicine of detectors of cadmium telluride gamma radiation] Bacci C, et al. **Ann Ist Super Sanita** 1980; 16(2):341–59 **(Ita)**

[Electric fields, magnetic fields, electromagnetic fields: apparatus for their generation and measurement] Bini M, et al. **Ann Ist Super Sanita** 1980;16(3):423–32 **(Ita)**

[Measurement technics for the evaluation of risks in exposure to non-coherent optical radiation] Cremonese M. **Ann Ist Super Sanita** 1980;16(3):477–81 **(Ita)**

[Dose: its measurements and biological meaning (author's transl)] Favino A. **Med Lav** 1979 Nov–Dec;70(6):465–75 (Eng. Abstr.) **(Ita)**

[Concentration measurement of 85Kr dissolved in the solution with GM counter (author's transl)] Yamamoto T, et al. **Radioisotopes** 1980 Sep;29(9):422–6 (Eng. Abstr.) **(Jpn)**

INSTRUMENTATION

Evaluation of performance of a beta absorption dust monitor. Hammad YY, et al. **Am Ind Hyg Assoc J** 1980 Jul; 41(7):501–7

Portable transfer digital dosemeter for beam output measurements with X and gamma rays, electrons and neutrons. Sankaran A, et al. **Br J Radiol** 1981 Apr; 54(640):328–34

The modification of an isotope calibrator for use with SI units. Williams RJ, et al. **Br J Radiol** 1980 Nov; 53(635):1090–2

Effective measuring point of ion chambers for photon dosimetry in phantoms. Zoetelief J, et al. **Br J Radiol** 1980 Jun;53(630):580–3

A comparison of the NaI—CsI phoswich and a hyperpure germanium array for in vivo detection of the actinides. Berger CD, et al. **Health Phys** 1981 Apr;40(4):535–42

Calibration of phoswich detectors for assessment of plutonium in lungs: the methods of four laboratories compared. Campbell GW, et al. **Health Phys** 1981 Mar; 40(3):405–9

Phantoms for calibrating albedo neutron dosimeters. Hankins DE. **Health Phys** 1980 Sep;39(3):580–4

Electret dosimeter utilizing gas multiplication. Ikeya M, et al. **Health Phys** 1980 Nov;39(5):797–9

Design and performance of a Teflon electret dosimeter charger. Kotrappa P, et al. **Health Phys** 1980 Sep; 39(3):566–8

A comparison of GE(Li) detectors with different efficiencies for low-level general purpose counting. Minnema DM, et al. **Health Phys** 1981 Jan;40(1):55–61

Proposed interim measuring quantity for radiation protection dosimeters for photons. Reich H. **Health Phys** 1981 Jun; 40(6):898–902

Calibration of a proportional counter neutron spectroscopy system. Tymons BJ, et al. **Health Phys** 1980 Sep;39(3):561–3

Tritium production in LiF thermoluminescent dosimeters. Lowe D. **Int J Appl Radiat Isot** 1980 Dec;31(12):787–8

Monte Carlo simulation studies of detectors used in the measurement of diagnostic x-ray spectra. Chen CS, et al. **Med Phys** 1980 Nov–Dec;7(6):627–35

A simple device for testing the equilibrium of ion chambers in ambient conditions. de Almeida CE, et al. **Med Phys** 1980 Nov–Dec;7(6):715

Yale University School of Medicine, New Haven, Connecticut. Nath R, et al. **Med Phys** 1981 Jan–Feb; 8(1):85–93

Instantaneous and continuous measurement of 14C-labeled substrate oxidation to 14CO2 by minute tissue specimens: an ionization chamber method. Davidson WD, et al. **Metabolism** 1981 Jun;30(6):596–600

Use of rabbit ear chamber and strontium-90 source to study radiation pathology in vivo. Narayan K, et al. **Microvasc Res** 1981 May;21(3):384–9

A liquid ionisation chamber for neutron dosimetry. Chu JC, et al. **Phys Med Biol** 1980 Nov;25(6):1133–48

Determination of absorbed dose and kerma in a neutron field from measurements with a tissue-equivalent ionisation chamber. Mijnheer BJ, et al. **Phys Med Biol** 1981 Jan; 26(1):57–69

The G-value of the ferrous sulphate dosemeter for 3 and 14 MeV neutrons. Pejuan A, et al. **Phys Med Biol** 1981 Jan;26(1):163–9

Radiometric monitoring of exposure-site temperature during laser irradiation. Reed RD, et al. **Phys Med Biol** 1981 Jan; 26(1):175–80

An automatic timer control unit for the Farmer dosemeter type 2501/3. Rudd PJ. **Phys Med Biol** 1980 Jul;25(4):741–3

Stopping cross-sections of liquid water and water vapour for alpha particles within the energy region 0.3 to 5.5 MeV. Thwaites DI. **Phys Med Biol** 1981 Jan;26(1):71–80

Effect of finite size of ion chambers used for neutron dosimetry. Zoetelief J, et al. **Phys Med Biol** 1980 Nov; 25(6):1121–31

[A Cerenkov detector to determine the energy in electron accelerators (author's transl)] Martens H, et al. **Strahlentherapie** 1980;156(10):697–702 (Eng. Abstr.) **(Ger)**

[A comparison of escape peak and full-energy peak efficiencies of Ge(Li) detector (author's transl)] Iwata S, et al. **Radioisotopes** 1980 Dec;29(12):605–7 **(Jpn)**

[Geometry of Marinelli type vessel in gamma-ray activity determination (author's transl)] Suzuki T, et al. **Radioisotopes** 1980 Mar;29(3):147–9 **(Jpn)**

[Calibration of unit detectors for intravital determination of the 239Pu content in the human body] Abramov IuV, et al. **Med Radiol (Mosk)** 1981 Jun;26(6):49–52 **(Rus)**

[Effect of the linear dimensions of the detector on the accuracy of dosage field registration] Denisenko ON. **Med Radiol (Mosk)** 1981 Apr;26(4):44–5 (Eng. Abstr.) **(Rus)**

[Dosimetric ruler for computing absorbed doses of electron irradiation] Kozlov VA, et al. **Med Radiol (Mosk)** 1981 Jun;26(6):56–7 **(Rus)**

METHODS

Microdosimetry. I. Use of secondary electron emission. Forsberg BJ, et al. **Acta Radiol Oncol Radiat Phys Biol** 1980;19(2):115–27

Automatable radiometric detection of growth of Mycobacterium tuberculosis in selective media. Middlebrook G, et al. **Am Rev Respir Dis** 1977 Jun; 115(6):1066–9

Comparison of the Bragg-Gray theory corollaries to fast-neutron cavity ionization measurements at 14.8 MeV. Attix FH, et al. **Health Phys** 1980 Apr;38(4):623–33

Retention of noble gases by silver zeolite iodine samples. Cline JE. **Health Phys** 1981 Jan;40(1):71–3

Statistical methods for estimating the mean and variance from radionuclide data sets containing negative, unreported or less-than values. Gilbert RO, et al. **Health Phys** 1981 Mar; 40(3):377–90

Estimation of indoor gamma dose rate. Karpov VI, et al. **Health Phys** 1980 Nov;39(5):819–21

Correlation of environmental sample radioactivity determination with sample pretreatment. Nakaoka A, et al. **Health Phys** 1980 Nov;39(5):723–35

A comparison of proportional and Cerenkov counting for sulfur tablet neutron dosimeters. Paredes CH, et al. **Health Phys** 1980 Sep;39(3):564–6

Detection of alpha-particles utilizing polycarbonate foils processed by the electrochemical etching technique. Stillwagon GB, et al. **Health Phys** 1980 Nov;39(5):751–9

Content of uranium trace in urine determined from fission track etch technique. Chakarvarti SK, et al. **Int J Appl Radiat Isot** 1980 Dec;31(12):793–5

Rejoining capacity of DNA breaks induced by accelerated carbon and neon ions in the spread Bragg peak. Roots R, et al. **Int J Radiat Biol** 1980 Aug;38(2):203–10

Displacement corrections used in absorbed dose determination. Cunningham JR, et al. **Med Phys** 1980 Nov–Dec;7(6):672–6

[Development of hexobarbital radiometry and its application (author's transl)] Inoue K, et al. **Eisei Shikenjo Hokoku** 1980;98:56–62 (Eng. Abstr.) **(Jpn)**

[Distribution of uranium in dental porcelains by means of the fission track method (author's transl)] Shimizu M, et al. **Radioisotopes** 1980 Jul;29(7):326–31 (Eng. Abstr.) **(Jpn)**

[Use of bone-equivalent dosimetric mixture for measuring absorbed doses] Kalmykov LZ, et al. **Med Radiol (Mosk)** 1981 Apr;26(4):40–3 (Eng. Abstr.) **(Rus)**

STANDARDS

The use of 226Ra as a quality control check source for the beta-gamma coincidence counting of 131I. McCurdy DE, et al. **Health Phys** 1981 Apr;40(4):561–4

Consistent x-ray counting efficiencies for plutonium in lungs, derived by independent methods. Newton D, et al. **Health Phys** 1981 May;40(5):748–53

RADIONUCLIDE GENERATORS

The phenomenon of 'tired moly-99Mo'. Noronha OP, et al. **Eur J Nucl Med** 1981;6(6):281–3

Residual activity of Tc-generators. Väyrynen T, et al. **Eur J Nucl Med** 1981;6(6):269–71

Use of generator-produced radionuclides in nuclear medicine procedures: analysis of personnel doses and laboratory work practices. Iyer PS, et al. **Health Phys** 1980 Sep; 39(3):576–8

A new osmium-191 leads to iridium-191m generator. Cheng C, et al. **J Nucl Med** 1980 Dec;21(12):1169-76
Plutonium in [99mTc] Pertechnetate for clinical use: concise communication. Johansson L, et al. **J Nucl Med** 1980 Nov; 21(11):1091-4
Neutron beams from protons on beryllium. Bewley DK, et al. **Phys Med Biol** 1980 Sep;25(5):887-92

INSTRUMENTATION

81mKr gas generator for lung ventilation study. Koyama T, et al. **Eur J Nucl Med** 1980 Dec;5(6):481-6

RADIONUCLIDE IMAGING

Nuclear magnetic resonance imaging: potential cardiac applications. Goldman MR, et al. **Am J Cardiol** 1980 Dec 18;46(7):1278-83 (19 ref.)
Unusual 'complication' of a thyroid scan [letter] Gonzalez JJ. **Arch Intern Med** 1980 Dec;140(12):1675
Dynamic radionuclide imaging. Britton KE. **Br Med Bull** 1980 Sep;36(3):215-22 (78 ref.)
Use of radionuclides in the coronary care unit. Logic JR. **Cardiovasc Clin** 1981;11(3):179-87 (44 ref.)
Pediatric nuclear cardiology. Treves S, et al. **Cardiovasc Clin** 1981;11(2):247-74 (80 ref.)
An edge detection algorithm for use in radionuclide imaging. Jackson PC, et al. **Eur J Nucl Med** 1981 Jan;6(1):33-8
Theoretical error in radionuclide ejection fraction study due to photon attenuation. Yeh EL, et al. **Eur J Nucl Med** 1981 Feb;6(2):69-71
Imaging--future perspectives [editorial] Deland FH. **J Nucl Med** 1981 Jun;22(6):491-2
Gray scale displays on the MDS Modumed system [letter] Fitzsimmons J, et al. **J Nucl Med** 1980 Sep;21(9):895-6
An integrated approach to diagnostic imaging. Best JJ. **J R Coll Surg Edinb** 1980 Sep;25(5):306-15
Clinical applications of nuclear magnetic resonance imaging (zeugmatography) [letter] Pastakia B. **Lancet** 1981 Feb 14; 1(8216):389-90
Round-table discussion on radiopharmaceuticals. **Nuklearmedizin** 1981 Feb;20(1):1-12
Cinderella--a clinical nuclear medicine retrieval and filing on-line stand-alone system for patient data. Salomon J, et al. **Nuklearmedizin** 1980;19(2):80-4
Nuclear medicine in deep-soft-tissue diagnosis. Gilday DL, et al. **Pediatr Ann** 1980 Sep;9(9):7-20
Film reciprocity law failure in scintillation camera imaging. Grossman LW, et al. **Radiology** 1981 Mar;138(3):697-700
Distribution and dosimetry of 111In-labeled platelets. Robertson JS, et al. **Radiology** 1981 Jul;140(1):169-76
Imaging [editorial] **S Afr Med J** 1981 Jan 17;59(3):59-60
[Computer-based isotope examination] Kairento AL, et al. **Duodecim** 1980;96(19):1305-11 **(Fin)**
[Modern imaging of the body] Standertskjöld-Nordenstam CG, et al. **Duodecim** 1980;96(19):1247-54 **(Fin)**
[Use of radioisotopes in diagnosis] Beckers C. **Bull Mem Acad R Med Belg** 1979 Oct 27;134(9):451-60 (Eng. Abstr.) **(Fre)**
[Nuclear-medical methods in hepatology] Mostbeck A, et al. **Dtsch Z Verdau Stoffwechselkr** 1981;41(1):1-13 (57 ref.) (Eng. Abstr.) **(Ger)**
[Automatic image display to static and dynamic scintigrams (author's transl)] Hebbinghaus D. **ROEFO** 1980 Jun; 132(6):699-704 (Eng. Abstr.) **(Ger)**
[Modern requirements of data processing in nuclear medicine (author's transl)] Wendhausen H, et al. **ROEFO** 1980 Jun; 132(6):695-9 (Eng. Abstr.) **(Ger)**
[Experiences with X-prep in preparing patients for nuclear medicine examination] Anger K. **Roentgenpraxis** 1980 Oct; 33(10):245-53 **(Ger)**
[Sudden cardiac death. Non-invasive methods of cardiovascular nuclear medicine] **Verh Dtsch Ges Kreislaufforsch** 1980;46:1-144 **(ger)**
[Quantitative Tl-201 scintigraphy in diagnosis of severity and location of coronary artery disease. Comparison of a Tl-score to invasive and non-invasive parameters (author's transl)] Karsch KR, et al. **Z Kardiol** 1980 Aug;69(8):536-41 (Eng. Abstr.) **(Ger)**
[Nuclear medical diagnosis. Indications and value] Rösler H. **ZFA (Stuttgart)** 1981 Jan 20;57(2):87-97 **(Ger)**
[Uses in nuclear medicine of detectors of cadmium telluride gamma radiation] Bacci C, et al. **Ann Ist Super Sanita** 1980; 16(2):341-59 **(Ita)**
[Evaluation of clinical efficacy in medical imaging. (I) Rating factors based on the decision matrix] Iinuma T. **Kaku Igaku** 1980 Jul;17(5):639-46 **(Jpn)**
[Evaluation of clinical efficiency in medical imaging. (II). ROC analysis and diagnostic decision] Iinuma T. **Kaku Igaku** 1980 Sep;17(8):1035-43 **(Jpn)**
[List of articles on x-ray diagnosis, radioisotope diagnosis, radiation therapy and x-ray radiology subjects published in related clinical journals in 1980] **Vestn Rentgenol Radiol** 1981;(3):83-93 **(Rus)**

ADVERSE EFFECTS

Proceedings of the British Institute of Radiology, Dosimetry and risks to patients in radiopharmaceutical investigations. Abstracts. **Br J Radiol** 1981 May;54(641):431-5
Adverse reactions to radiopharmaceuticals: incidence in 1978, and associated symptoms. Report of the Adverse Reactions Subcommittee of the Society of Nuclear Medicine. Rhodes BA, et al. **J Nucl Med** 1980 Nov;21(11):1107-10
Incidence of malignant thyroid tumors in humans after exposure to diagnostic doses of iodine-131. II. Estimation of thyroid gland size, thyroid radiation dose, and predicted versus observed number of malignant thyroid tumors. Holm LE, et al. **JNCI** 1980 Dec;65(6):1221-4

CLASSIFICATION

[Automatic analysis-based scintigram classification] Vidiukov VI, et al. **Med Radiol (Mosk)** 1980 Dec; 25(12):43-8 (Eng. Abstr.) **(Rus)**

EDUCATION

[Postgraduate instruction of specialists for radionuclide diagnostic service] Kasatkin IuN. **Med Radiol (Mosk)** 1980 Dec;25(12):12-9 **(Rus)**

INSTRUMENTATION

Cardiac nuclear imaging: principles, instrumentation and pitfalls. Strauss HW, et al. **Am J Cardiol** 1980 Dec 18; 46(7):1109-16 (36 ref.)
A phantom for assessing the resolution at depth of a gamma camera system. Gillespie FC. **Br J Radiol** 1981 Mar; 54(639):255-7
Use of finite-memory Wiener filters in scintigram processing. Lemort JP, et al. **Eur J Nucl Med** 1980 Oct;5(5):447-52
An imaging alpha detector. Anderson DF. **Health Phys** 1980 Aug;39(2):308-10
Description and biomedical application of drift chamber imaging systems. Basse-Cathalinat B, et al. **Int J Appl Radiat Isot** 1980 Dec;31(12):753-60
Formatter linearity [letter] Brown ML, et al. **J Nucl Med** 1980 Dec;21(12):1201-2
Misalignment of multiple photopeak analyzer outputs: effects on imaging. Concise communication. Chapman DR, et al. **J Nucl Med** 1980 Sep;21(9):872-4
The measure of a camera--pathways for future understanding. Hasegawa BH, et al. **J Nucl Med** 1981 Jan; 22(1):78-81
A low-contrast phantom for daily quality control. Lewellen TK, et al. **J Nucl Med** 1981 Mar;22(3):279-82
Measurement of 24-hour whole-body retention of Tc-99m HEDP by a gamma camera. Martin W, et al. **J Nucl Med** 1981 Jun;22(6):542-5
The impact of digital technology on the scintillation camera [editorial] Mehllehner G. **J Nucl Med** 1981 Apr; 22(4):389-91
Evaluation of computer display systems using digital test patterns. Miller TR, et al. **J Nucl Med** 1981 Mar;22(3):264-8
Standards for performance measurements in scintillation cameras. Muehllehner G, et al. **J Nucl Med** 1981 Jan; 22(1):72-7
Ga-67 imaging with scintillation camera: the selection of collimator. Shinohara H, et al. **J Nucl Med** 1981 Feb; 22(2):169-76
A new polaroid film type for use in scintigraphic recording. Ciambellotti E. **J Nucl Med Allied Sci** 1980 Jul-Dec; 24(3-4):229-32
Preliminary report. Gamma camera detection of oleic acid alveolar-capillary albumin leak. Sugerman HJ, et al. **J Surg Res** 1980 Jul;29(1):93-9
Microprocessor based simulator for gamma camera image processors. Davies OJ, et al. **Med Biol Eng Comput** 1980 Jul;18(4):479-80
The influence of penetrating radiation on collimator performance. Jahns MJ. **Phys Med Biol** 1981 Jan; 26(1):113-24
The geometric transfer function component for scintillation camera collimators with straight parallel holes. Metz CE, et al. **Phys Med Biol** 1980 Nov;25(6):1059-70
The construction and operation of modern gamma camera systems: a teaching article. Manning DJ. **Radiography** 1980 Oct;46(550):221-9 (24 ref.)
A miniature cadmium telluride detector module for continuous monitoring of left-ventricular function. Hoffer PB, et al. **Radiology** 1981 Feb;138(2):477-81
[Active switch for use with different gamma cameras in a data processing system] Stüssi E, et al. **Nuklearmedizin** 1980;19(2):93-4 **(Ger)**
[The low-pass filtering of scintigraphic picture data in myocardial scintigraphy (author's transl)] Ihnen E. **ROEFO** 1980 Jun;132(6):705-10 (Eng. Abstr.) **(Ger)**
[Development of gated cardiac imaging using gamma imager (author's transl)] Ando Y, et al. **Radioisotopes** 1979 Mar; 28(3):173-6 **(Jpn)**
[Character-display system on gamma-camera CRT (author's transl)] Nagase K, et al. **Radioisotopes** 1979 Mar;28(3):171-2 **(Jpn)**
[Bibliographic index of inventions for radionuclide diagnosis and radiation therapy for the 2d half of 1979; based on data from the official bulletins of the patent services of the USSR, Great Britain, USA, Federal Republic of Germany, Japan and France] Menzhinskaia GV, et al. **Med Radiol (Mosk)** 1980 Nov;25(11):86-92 **(Rus)**
[Bibliographical index to inventions in radionuclide diagnosis and radiation therapy for the 1st half of 1980] Menzhinskaia GV, et al. **Med Radiol (Mosk)** 1981 Feb;26(2):85-91 **(Rus)**
[Radioisotope diagnostic unit] Kalantarov KD, et al. **Med Tekh** 1980 Nov-Dec;(6):42-6 (Eng. Abstr.) **(Rus)**

METHODS

Temporal bone scintigraphy. I. Diagnostic potential in malignancies of the ear. Bergstedt HF, et al. **Acta Otolaryngol (Stockh)** 1980 May-Jun;89(5-6):465-73
Measurement of ejection fraction in the elderly. Latour J, et al. **Age Ageing** 1980 Aug;9(3):157-64
Quantitative radionuclide angiography in assessment of hemodynamic changes during upright exercise: observations in normal subjects, patient with coronary artery disease and patients with aortic regurgitation. Iskandrian AS, et al. **Am J Cardiol** 1981 Aug;48(2):239-46
Advances in gastric emptying studies by means of computerized scintigraphy. Gordón F, et al. **Arch Invest Med (Mex)** 1980;11(3):393-408 **(Eng, Spa)**
Radionuclide emission imaging. Single-photon techniques including radiopharmaceutical developments. Dendy PP, et al. **Br Med Bull** 1980 Sep;36(3):223-30 (32 ref.)
Scintigraphic arthrography: a new imaging procedure. Abdel-Dayem HM, et al. **Clin Nucl Med** 1981 Jun; 6(6):246-8
Effect of hemodialysis on gallium-67-citrate scanning. Marlette JM, et al. **Clin Nucl Med** 1980 Sep;5(9):401-3
Localizing functioning thyroid following total thyroidectomy by use of a combination scanning technique. Schmidt MC, et al. **Clin Nucl Med** 1980 Sep;5(9):415-6
On the nature of technetium compounds. 1. A semiquantitative biological model system to assay 99mTc-complexes/radiopharmaceuticals. Noronha OP, et al. **Eur J Nucl Med** 1981 Mar;6(3):121-9
Scintigraphic image contrast-enhancement techniques: global and local area histogram equalization. Verdenet J, et al. **Eur J Nucl Med** 1981;6(6):261-4
Background subtraction using flood field count ratios to normalize different regions of interest. Parker JA. **Int J Nucl Med Biol** 1980;7(4):391-4
Simultaneous display of gated technetium-99m stannous pyrophosphate and gated blood-pool scintigrams. Corbett JR, et al. **J Nucl Med** 1981 Aug;22(8):671-7
One of three thousand [editorial] Eckelman WC, et al. **J Nucl Med** 1981 Feb;22(2):190-1
Noninvasive measurement of cardiopulmonary blood volume. Evaluation of the centroid method. Fouad FM, et al. **J Nucl Med** 1981 Mar;22(3):205-11
Digital scintigraphy: principles, design, and performance. Genna S, et al. **J Nucl Med** 1981 Apr;22(4):365-71
It's time for us to intervene [editorial] Henkin RE. **J Nucl Med** 1980 Nov;21(11):1105-6
Indium-114m in dual-nuclide studies with Cr-51: comparison with indium-111. Liburdy RP, et al. **J Nucl Med** 1980 Oct; 21(10):992-4
Pulmonary extraction of C-11 chlorpromazine, measured by residue detection in man. Syrota A, et al. **J Nucl Med** 1981 Feb;22(2):145-8
An improved method for the analysis of xenon-133 washin and washout curves. van der Mark TW, et al. **J Nucl Med** 1980 Nov;21(11):1029-34
Tc-99m HIDA scintigraphy in segmental biliary obstruction. Zeman RK, et al. **J Nucl Med** 1981 May;22(5):456-8
Interactive transit time imaging (ITTI) for improved cardiac and vascular studies in dynamic scintigraphy. Bellina CR, et al. **J Nucl Med Allied Sci** 1980 Jul-Dec;24(3-4):201-7
Radionuclide techniques in studies of cardiac performance and circulatory changes during antihypertensive treatment. Falch DK. **J Oslo City Hosp** 1980 Sep-Oct;30(9-10):113-36
Diagnosis of hepatoma by scintigraphy using multiple radionuclides. Lee VW, et al. **J Surg Oncol** 1980; 15(2):133-8
The influence of smoothing procedures on the noise reduction and resolution degradation of scintigraphic images. Gwiazdowska BA, et al. **Nuklearmedizin** 1980; 19(2):85-90
Combined pressure-radionuclide evaluation of suspected cerebrospinal fluid shunt malfunction: a seven-year clinical experience. Hayden PW, et al. **Pediatrics** 1980 Nov; 66(5):679-84
Scanner performance to overcome efficiency problems in three-dimensional scintigraphy by gamma-gamma-coincidences. Helmers H, et al. **Phys Med Biol** 1979 Sep;24(5):1025-9
Use of sidelights for patient positioning in nuclear medicine imaging. Mantel J, et al. **Radiology** 1981 Aug;140(2):523-4
Clinical applications of nuclear cardiology. McKillop JH, et al. **Scott Med J** 1980 Jul;25(3):197-203
[Development of radiological imaging technics] Riihimäki E, et al. **Duodecim** 1980;96(19):1255-9 **(Fin)**
[Absorbed dose for children and juveniles in nuclear medical diagnostics (author's transl)] Henrichs K, et al. **Nuklearmedizin** 1980;19(5):228-31 (Eng. Abstr.) **(Ger)**
[The dependence of the optimal discriminator adjustment of a single-channel analyzer on the scattered radiation and on the energy resolution of the detector] Ertl S, et al. **Radiobiol Radiother (Berl)** 1980;21(4):489-500 (Eng. Abstr.) **(Ger)**
[The chi-square-criterion for evaluation of the authenticity by conventional colour scan (author's transl)] Kuldschiev A, et al. **Radiobiol Radiother (Berl)** 1980;21(4):532-6 (Eng. Abstr.) **(Ger)**
[The structural identifiability of linear chamber models in the nuclear medical diagnosis (author's transl)] Narkevič BJ. **Radiol Diagn (Berl)** 1981;22(1):84-90 (Eng. Abstr.) **(Ger)**
[The radiation dose to the foetus during isotope investigations

of the mother] Hahn K, et al. **ROEFO** 1980 Mar; 132(3):326–30 (Eng. Abstr.) **(Ger)**

[Biphasic 201thallium scintigraphy after dipyridamole in mitral valve diseases (author's transl)] Schmoliner R, et al. **ROEFO** 1980 Jun;132(6):710–3 (Eng. Abstr.) **(Ger)**

[A new method of combined inhalation and perfusion scintigraphy for the diagnosis of pulmonary embolism (author's transl)] Schümichen C, et al. **ROEFO** 1980 Dec; 133(6):602–7 (Eng. Abstr.) **(Ger)**

[Quantitative radioaerosol lung imaging in healthy subjects and in patients with chronic obstructive lung disease (author's transl)] Weiss T, et al. **ROEFO** 1980 Dec; 133(6):594–602 (Eng. Abstr.) **(Ger)**

[Current and new methods in nuclear medicine and endocrinology] Galvan G. **Wien Med Wochenschr** 1980 Oct 15;130(19):611–9 **(Ger)**

[Radioisotope image processing using digital filters based on the fast Hadamard transform (author's transl)] Yamamoto H, et al. **Radioisotopes** 1981 Jan;30(1):25–7 **(Jpn)**

[Non-invasive radioisotope evaluation of the left-ventricular function by the 'gated technic'] Wróblewska M. **Kardiol Pol** 1980;23(9):807–12 (24 ref.) **(Pol)**

[Prospects for using liposomes in experimental clinical radiology] Rozenberg OA, et al. **Med Radiol (Mosk)** 1981 May;26(5):65–9 (46 ref.) **(Rus)**

[Interpretation of the results of radionuclide function studies of organs and systems] Sivoshinskii DS, et al. **Med Radiol (Mosk)** 1981 Apr;26(4):53–9 (Eng. Abstr.) **(Rus)**

[Data analysis in dynamic radionuclide studies based on the determination of the parameters of the approximating functions] Smirnov VF, et al. **Med Radiol (Mosk)** 1980 Dec; 25(12):63–8 (Eng. Abstr.) **(Rus)**

[Analog data processing methods for dynamic radionuclide studies] Smirnov VF, et al. **Med Radiol (Mosk)** 1980 Dec; 25(12):58–62 (Eng. Abstr.) **(Rus)**

[Computer technology in scintigraphic diagnosis] Buchanec J, et al. **Cesk Pediatr** 1980 Dec;35(12):679–83 (Eng. Abstr.) **(Slo)**

STANDARDS

Value of radionuclide imaging techniques in assessing cardiomyopathy. Goldman MR, et al. **Am J Cardiol** 1980 Dec 18;46(7):1232–6

The College of American Pathologists Phantom Series—an assessment of current nuclear imaging capabilities. Hermann GA, et al. **Am J Clin Pathol** 1980 Oct;74(4 Suppl):591–4

The low specificity of postoperative perfusion lung scan defects. Walker I, et al. **Can Med Assoc J** 1981 Jan 15; 124(2):153–8

Interobserver and intraobserver variability in lung scan reading in suspected pulmonary embolism. Hoey JR, et al. **Clin Nucl Med** 1980 Nov;5(11):508–13

BRH test pattern for the evaluation of gamma-camera performance. Paras P, et al. **J Nucl Med** 1981 May; 22(5):468–70

Reproducibility of gamma camera data. Pitt WR, et al. **Phys Med Biol** 1981 Jul;26(4):693–701

[The reliability of thallium-201 scintigraphy and two-dimensional echocardiography in the diagnosis of infarct scars] Schmoliner R, et al. **Med Welt** 1981 Feb 20; 32(8):264–7 **(Ger)**

[Diagnostic value of osteoscintigraphy and osteoscintimetry for assessment of post-traumatic osteomyelitis and of its complications (author's transl)] Fotter R, et al. **Roentgenblaetter** 1980 Nov;33(11):555–63 (Eng. Abstr.) **(Ger)**

TRENDS

[Results and prospects of radionuclide diagnosis in the USSR] Kasatkin IuN, et al. **Med Radiol (Mosk)** 1980 Dec; 25(12):3–11 **(Rus)**

UTILIZATION

Nuclear medicine in Europe. Considerations of present status and future trends. Pretschner DP. **J Nucl Med** 1981 Apr; 22(4):386–8

VETERINARY

In vivo nuclear techniques in veterinary medicine. Goosen DJ, et al. **J S Afr Vet Assoc** 1980 Dec;51(4):209–12

RADIONUCLIDE TOMOGRAPHY, COMPUTED see **TOMOGRAPHY, EMISSION COMPUTED**

RADIONUCLIDES see **RADIOISOTOPES**

RADIOPAQUE MEDIA see **CONTRAST MEDIA**

RADIORECEPTOR ASSAY see **RADIOLIGAND ASSAY**

RADIOSENSITIVITY see **RADIATION TOLERANCE**

RADIOTHERAPY

Depth dose data for 4 MeV linear accelerators with lead or uranium field flatteners. Nair R, et al. **Acta Radiol Oncol Radiat Phys Biol** 1980;19(2):107–9

Appropriate RBEs for use in neutron therapy [letter] Hornsey S. **Br J Radiol** 1980 Dec;53(636):1207

A simple method for localization and shielding of organs in diverging radiation treatment beam. Reitan JB, et al. **Br J Radiol** 1980 Aug;53(632):802–3

Flexible interaction with CT scan data for radiotherapy treatment planning and other purposes. Sharpe WP, et al. **Br J Radiol** 1980 Sep;53(633):897–900

Recovery of lymphocyte status after radiotherapy. Chamberlain SM, et al. **Clin Radiol** 1980 Jul;31(4):427–32

The board examinations in therapeutic radiology [editorial] Brady LW, et al. **Int J Radiat Oncol Biol Phys** 1980 Jul; 6(7):951–2

The training of radiotherapists in the United States. del Regato JA, et al. **Int J Radiat Oncol Biol Phys** 1980 Dec; 6(12):1705–10

The transition from therapeutic radiologist to radiation oncologist [editorial] Fuller DE. **Int J Radiat Oncol Biol Phys** 1980 Jul;6(7):953–4

Do we need radiation therapy technologists trained at the baccalaureate level in the United States?. Sagerman RH, et al. **Int J Radiat Oncol Biol Phys** 1980 Dec;6(12):1701–3

Some devices for computed tomography radiotherapy treatment planning. Kubota K, et al. **J Comput Assist Tomogr** 1980 Oct;4(5):697–9

Using a radiation therapy simulator to localize the anatomical level of computed tomography slices. Nikesch W. **J Comput Assist Tomogr** 1981 Aug;5(4):593–5

Computer programs for output and depth dose from hyperbolic equations. Horn RA. **Med Phys** 1981 Jan–Feb; 8(1):108–10

A formalism for calculation of absorbed dose to a medium from photon and electron beams. Loevinger R. **Med Phys** 1981 Jan–Feb;8(1):1–12

Calorimetric and ionimetric dosimetry intercomparisons I: U.S. neutron radiotherapy centers. McDonald JC, et al. **Med Phys** 1981 Jan–Feb;8(1):39–43

Calorimetric and ionimetric dosimetry intercomparisons II: d + T neutron source at the Antoni Van Leeuwenhoek hospital. McDonald JC, et al. **Med Phys** 1981 Jan–Feb; 8(1):44–53

A review of time-dose effects in radiation therapy. Peschel RE, et al. **Med Phys** 1980 Nov–Dec;7(6):601–8 (60 ref.)

Compton scatter imaging of transverse sections: an overall appraisal and evaluation for radiotherapy planning. Battista JJ, et al. **Phys Med Biol** 1981 Jan;26(1):81–99

An approach to computerised treatment calculation and verification (CTCV) in radiotherapy, based on a study of mistakes in one centre. Sutherland WH. **Radiography** 1980 Jul;46(547):157–62

External radiotherapy. Hafermann MD. **Urology** 1981 Apr; 17(4 Suppl):15–23

[Clinical, physical and biological bases of modern radiotherapy] Gyenes G. **Radiobiol Radiother (Berl)** 1980; 21(3):208–17 (0 ref.) **(Ger)**

[Studies of radiotherapeutically interesting biological effects of negative pi mesons (author's transl)] Iarmonenko SP, et al. **Radiobiol Radiother (Berl)** 1980;21(2):144–51 (Eng. Abstr.) **(Ger)**

[Routine calculations according to the NSD concept by means of the equivalence procedure (author's transl)] Brumm P. **Strahlentherapie** 1980 Sep;156(9):642–5 (Eng. Abstr.) **(Ger)**

[Use of a microcomputer system in radiotherapy (author's transl)] Fischer P, et al. **Strahlentherapie** 1981 Jun; 157(6):393–5 (Eng. Abstr.) **(Ger)**

[Demonstration of ultra-hard X-radiation by means of silicon photo-elements (author's transl)] Löffler E, et al. **Strahlentherapie** 1980 Dec;156(12):824–7 (Eng. Abstr.) **(Ger)**

[The target volume concept at the recording of external beam radiotherapy (author's transl)] Quast U, et al. **Strahlentherapie** 1981 May;157(5):317–28 (Eng. Abstr.) **(Ger)**

[Comparative evaluation of hydroxyproline in urine and in serum as a possible clinical parameter for radiation-induced destruction of connective tissue due to fractionated radiation therapy (author's transl)] Reinartz G, et al. **Strahlentherapie** 1981 Jun;157(6):412–7 (Eng. Abstr.) **(Ger)**

[Patient data processing system in radiation therapy (author's transl)] Richter J, et al. **Strahlentherapie** 1980 Jun; 156(6):423–9 (Eng. Abstr.) **(Ger)**

[Different effectiveness of hyperthermia with regard to fast electrons and X-rays with different energy spectra (author's transl)] Schrader-Reichhardt U, et al. **Strahlentherapie** 1981 Aug;157(8):544–52 (Eng. Abstr.) **(Ger)**

[Dose distribution in the mantle field in case of 8 MV X-radiation (author's transl)] Voss AC, et al. **Strahlentherapie** 1980 Dec;156(12):809–17 (Eng. Abstr.) **(Ger)**

[List of articles on x-ray diagnosis, radioisotope diagnosis, radiation therapy and x-ray radiology subjects published in related clinical journals in 1980] **Vestn Rentgenol Radiol** 1981;(3):83–93 **(Rus)**

[The place of radiotherapy among the oncology specialties] Ripol Girona S. **Rev Esp Oncol** 1980;27(1):149–67 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

The effects of growth hormone therapy in children with radiation-induced growth hormone deficiency. Shalet SM, et al. **Acta Paediatr Scand** 1981 Jan;70(1):81–6

Dose effect relationships in cervical and thoracic radiation myelopathies. Holdorff B. **Acta Radiol Oncol Radiat Phys Biol** 1980;19(4):271–7 (26 ref.)

Prostatic carcinoma: rectal bleeding after radiation therapy. Kagan AR, et al. **AJR** 1981 Jun;136(6):1207–8

Postradiation ureteral obstruction: a reappraisal. Muram D, et al. **Am J Obstet Gynecol** 1981 Feb 1;139(3):289–93

Ovarian failure in long-term survivors of childhood malignancy. Stillman RJ, et al. **Am J Obstet Gynecol** 1981 Jan;139(1):62–6

Occurrence of tumors and effects on longevity after limited x-irradiation in man. Peters M, et al. **Am J Pathol** 1980 Dec;101(3):647–55

Radiation injury in surgical pathology. Part III. Salivary glands, pancreas and skin. Fajardo LF, et al. **Am J Surg Pathol** 1981 Apr;5(3):279–96

Thyroid scanning of the patient with history of childhood irradiation. Nolan NG, et al. **Ann Clin Lab Sci** 1981 Jan–Feb;11(1):31–6

The late appearance of chronic pericardial disease in patients treated by radiotherapy for Hodgkin's disease. Applefeld MM, et al. **Ann Intern Med** 1981 Mar;94(3):338–41

Continuing occurrence of thyroid nodules after head and neck irradiation. Relation to plasma thyroglobulin concentration. Schneider AB, et al. **Ann Intern Med** 1981 Feb;94(2):176–80

Thyroid carcinoma and Hodgkin's disease [letter] Smallridge RC, et al. **Ann Intern Med** 1981 Mar;94(3):412–3

Growth considerations in the radiation therapy of children with cancer. Littman PS, et al. **Annu Rev Med** 1979; 30:405–15 (45 ref.)

Nevoid basal cell carcinoma syndrome. Multiple basal cell carcinomas of the palms after radiation therapy. Golitz LE, et al. **Arch Dermatol** 1980 Oct;116(10):1159–63

Effect of treatment of malignant disease on growth in children [letter] Shalet SM, et al. **Arch Dis Child** 1981 Mar; 56(3):235–6

Radiotherapy as a cause of complete atrioventricular block in Hodgkin's disease. An electrophysiological-pathological correlation. Cohen SI, et al. **Arch Intern Med** 1981 Apr; 141(5):676–9

Radiation therapy in and about the retina, optic nerve, and anterior visual pathway. Psychophysical assessment. Fitzgerald CR, et al. **Arch Ophthalmol** 1981 Apr; 99(4):611–23

Pathogenesis of veno-occlusive liver disease after radiation. Fajardo LF, et al. **Arch Pathol Lab Med** 1980 Nov; 104(11):584–8

Acinic cell carcinoma: its occurrence in the laryngotracheal junction after thyroid radiation. Squires JE, et al. **Arch Pathol Lab Med** 1981 May;105(5):266–8

Radiation-induced parotid cancer. Walker MJ, et al. **Arch Surg** 1981 Mar;116(3):329–31

Localised acneiform eruption following X-ray irradiation. Finn OA. **Br J Clin Pract** 1981 Jan;35(1):57–8

Complications of radiotherapy. Strickland P. **Br J Hosp Med** 1980 Jun;23(6):552, 556–60, 565

Late complications of pterygium treatment. Tarr KH, et al. **Br J Ophthalmol** 1980 Jul;64(7):496–505

Radiation pneumonitis in a patient exposed to asbestos. Ashford RF, et al. **Br J Radiol** 1981 Jan;54(637):74–7

Malignant melanoma arising at tattoo sites used for radiotherapy field marking. Bartal AH, et al. **Br J Radiol** 1980 Sep;53(633):913–4

Radiation myelopathy in patients treated for carcinoma of bronchus using a six fraction regime of radiotherapy. Dische S, et al. **Br J Radiol** 1981 Jan;54(637):29–35

Radiation hazards: 25 years of collaborative research. Sylvanus Thompson memorial lecture, April 1980. Doll R. **Br J Radiol** 1981 Mar;54(639):179–86

Vocal-cord paralysis after treatment of thyrotoxicosis with radioiodine. Robson AM. **Br J Radiol** 1981 Jul;54(643):632

The surgical treatment of the radiation-damaged rectum. Cooke SA, et al. **Br J Surg** 1981 Jul;68(7):488–92

Bone-marrow aspiration and trephine biopsy [letter] Coe MA. **Br Med J** 1980 Sep 13;281(6242):747

Irradiation for early breast cancer [letter] Kleinfeld G. **CA** 1981 May–Jun;31(3):184–7

Glioblastoma multiforme following prophylactic cranial irradiation and intrathecal methotrexate in a child with acute lymphocytic leukemia. Chung CK, et al. **Cancer** 1981 Jun 1;47(11):2563–6

The pathology of breast cancer in women irradiated for acute postpartum mastitis. Dvoretsky PM, et al. **Cancer** 1980 Nov 15;46(10):2257–62

Ultrastructural characteristics of therapy-related acute nonlymphocytic leukemia: evidence for a panmyelosis. McKenna RW, et al. **Cancer** 1981 Aug 1;48(3):725–37

The development of metastases within a field of previous irradiation: a case report. Meltzer J, et al. **Cancer** 1981 Aug 1;48(3):717–20

Osteonecrosis in patients irradiated for head and neck carcinoma. Morrish RB Jr, et al. **Cancer** 1981 Apr 15; 47(8):1980–3

Characteristics of 108 thyroid cancers detected by screening in a population with a history of head and neck irradiation. Schneider AB, et al. **Cancer** 1980 Sep 1;46(5):1218–27

Thyroid abnormalities associated with treatment of malignant lymphoma. Tamura K, et al. **Cancer** 1981 Jun 1; 47(11):2704–11

Sister chromatid exchanges and chromosome aberrations in

children after treatment for malignant lymphoma. Haglund U, et al. **Cancer Res** 1980 Dec;40(12):4786–90

Augmentation of vincristine neurotoxicity by irradiation of peripheral nerves. Cassady JR, et al. **Cancer Treat Rep** 1980 Aug–Sep;64(8–9):963–5

Effect of gentamicin and irradiation on the toxicity of high-dose methotrexate in rats. Spector GB, et al. **Cancer Treat Rep** 1980 Aug–Sep;64(8–9):989–91

Neuromotor and neuropsychological manifestations of 'total therapy' in children with acute lymphoblastic leukemia. Kirs PJ, et al. **Cancer Treat Rev** 1980 Jun;7(2):85–94 (105 ref.)

Incidence of hypothyroidism after radioactive iodine therapy for thyrotoxicosis in Hong Kong Chinese. Best JD, et al. **Clin Radiol** 1981 Jan;32(1):57–61

Radiation dermatitis: a case report. Boulware RJ, et al. **Cutis** 1981 Jun;27(6):623–4

Pseudo-obstruction of the colon during pelvic radiotherapy. Lopez MJ, et al. **Dis Colon Rectum** 1981 Apr;24(3):201–4

Adenocarcinoma of the uterine corpus following irradiation for cervical cancer. Kwon TH, et al. **Gynecol Oncol** 1981 Feb;11(1):102–13

Radiation and host factors in human thyroid tumors following thymus irradiation. Shore RE, et al. **Health Phys** 1980 Apr;38(4):451–65

Uterine malignant degeneration after low- dose endometrial irradiation. Nikkanen V, et al. **Int J Gynaecol Obstet** 1980; 18(4):240–2

Postirradiation vaginal occlusion: nonoperative management. Poma PA. **Int J Gynaecol Obstet** 1980 Sep–Oct;18(2):90–2

Radiation-induced chromosome damage in patients after tumour therapy with 14 MeV, DT neutrons. Schmid E, et al. **Int J Radiat Biol** 1980 Dec;38(6):691–5

Soft-tissue reactions following irradiation of primary brain and pituitary tumors. Baglan RJ, et al. **Int J Radiat Oncol Biol Phys** 1981 Apr;7(4):455–9

The function of the parotid gland following radiation therapy for head and neck cancer. Cheng VS, et al. **Int J Radiat Oncol Biol Phys** 1981 Feb;7(2):253–8

Bone marrow regeneration following fractionated radiation therapy. Hill DR, et al. **Int J Radiat Oncol Biol Phys** 1980 Sep;6(9):1149–55

The significance of unilateral radiation nephropathy. Kim TH, et al. **Int J Radiat Oncol Biol Phys** 1980 Nov; 6(11):1567–71

Cerebral radionecrosis: incidence and risk in relation to dose, time, fractionation and volume. Marks JE, et al. **Int J Radiat Oncol Biol Phys** 1981 Feb;7(2):243–52

Some factors influencing salivary function when treating with radiotherapy. Mira JG, et al. **Int J Radiat Oncol Biol Phys** 1981 Apr;7(4):535–41

Radiation necrosis of the mandible: a 10 year study. Part I. Factors influencing the onset of necrosis. Murray CG, et al. **Int J Radiat Oncol Biol Phys** 1980 May;6(5):543–8

Radiation necrosis of the mandible: a 10 year study. Part II. Dental factors; onset, duration and management of necrosis. Murray CG, et al. **Int J Radiat Oncol Biol Phys** 1980 May;6(5):549–53

Therapeutic irradiation and brain injury. Sheline GE, et al. **Int J Radiat Oncol Biol Phys** 1980 Sep;6(9):1215–28 (99 ref.)

Radiosensitivity in vitro of human fibroblasts derived from patients with a severe skin reaction to radiation therapy. Smith KC, et al. **Int J Radiat Oncol Biol Phys** 1980 Nov; 6(11):1573–5

Radiation pneumonitis following large single dose irradiation: a re-evaluation based on absolute dose to lung. Van Dyk J, et al. **Int J Radiat Oncol Biol Phys** 1981 Apr;7(4):461–7

Transient radiation myelopathy (Lhermitte's sign) in patients with Hodgkin's disease treated by mantle irradiation. Word JA, et al. **Int J Radiat Oncol Biol Phys** 1980 Dec; 6(12):1731–3

Sister chromatid exchange in normal adults long after thymus irradiation. Goh KO. **Invest Radiol** 1980 Jul–Aug; 15(4):332–4

Reactions to ionizing radiation. Goldschmidt H, et al. **J Am Acad Dermatol** 1980 Dec;3(6):551–79 (164 ref.)

Slipped upper femoral epiphysis after radiotherapy. Chapman JA, et al. **J Bone Joint Surg [Br]** 1980 Aug;62(3):337–9

Rapid onset of acute myeloid leukaemia following radiotherapy and chemotherapy for metastatic seminoma of the testis. Stewart AL, et al. **J Cancer Res Clin Oncol** 1981;100(1):109–11

Basal-cell carcinomas on the scalp of a black patient many years after epilation by x rays. Walther RR, et al. **J Dermatol Surg Oncol** 1981 Jul;7(7):570–1

Acute radiation injury of the hands: report of a case with a twenty-one year follow-up. Caldwell EH, et al. **J Hand Surg** 1980 Nov;5(6):568–71

Surgical sequelae of radiation-induced enteropathy. Galland RB. **J Ky Med Assoc** 1981 Sep;79(9):599–604 (35 ref.)

Endometrial carcinoma following irradiation for cervical cancer: a case report. Toongsuwan S, et al. **J Med Assoc Thai** 1980 Jul;63(7):421–3

Transient radiation myelopathy: spinal somatosensory evoked responses following incidental cord exposure during radiotherapy. Lecky BR, et al. **J Neurol Neurosurg Psychiatry** 1980 Aug;43(8):747–50

Acute intracranial hypertension syndrome due to ketamine in a patient with delayed radionecrosis simulating an expansive process. Fontana M, et al. **J Neurosurg Sci** 1980 Apr–Jun;24(2):93–8

The incidence of hypothyroidism after radioactive iodine (131I) therapy for autonomous hyperfunctioning thyroid nodule evaluated by means of life-table method. Fontana B, et al. **J Nucl Med Allied Sci** 1980 Jan–Jun;24(1–2):85–91

Postradiation renovascular hypertension. McGill CW, et al. **J Pediatr Surg** 1979 Dec;14(6):831–3

Endocrine hypofunction following radiotherapy [letter] Coe MA. **J R Soc Med** 1979 Jun;72(6):473

Dental management of head and neck cancer patients. Carl W. **J Surg Oncol** 1980;15(3):265–81

Uterine sarcoma following adjuvant radiotherapy for rectal carcinoma. Marmion PJ, et al. **J Surg Oncol** 1981;17(1):63–7

Postirradiation malignant fibrous histiocytoma. Tewfik HH, et al. **J Surg Oncol** 1981;16(2):199–202

Osteoclastome-like giant cell thyroid carcinoma controlled by intensive radiation and adriamycin, in a patient with meningioma and multiple myeloma treated by radiation and cytoxan. Vizel-Schwartz M. **J Surg Oncol** 1981;17(1):57–61

Treatment of skin carcinoma of the face and neck [letter] Lindsay DG. **JAMA** 1981 Aug 14;246(7):733–4

Clinically important radiation-associated thyroid disease. A controlled study. Maxon HR, et al. **JAMA** 1980 Oct 17; 244(16):1802–5

Radiation and cancer [letter] Stoffer SS, et al. **JAMA** 1981 Feb 6;245(5):462–3

Nutritional compromise in radiation therapy patients experiencing treatment-related emesis. Welch D. **JPEN** 1981 Jan–Feb;5(1):57–60

Myocardial ischaemia, radiotherapy, and vinblastine [letter] Harris AL, et al. **Lancet** 1981 Apr 4;1(8223):787

Depression as component of post-cranial irradiation somnolence syndrome [letter] Proctor SJ, et al. **Lancet** 1981 May 30;1(8231):1215–6

Postradiation sarcoma of bone: review of 78 Mayo Clinic cases. Weatherby RP, et al. **Mayo Clin Proc** 1981 May; 56(5):294–306

Thyroid function in pediatric patients after neck irradiation for Hodgkin disease. Green DM, et al. **Med Pediatr Oncol** 1980;8(2):127–36

Frontal lobe astrocytoma following radiotherapy for medulloblastoma. Cohen MS, et al. **Neurology (NY)** 1981 May;31(5):616–9

Brachial plexus lesions in patients with cancer: 100 cases. Kori SH, et al. **Neurology (NY)** 1981 Jan;31(1):45–50

Radiation necrosis after treatment of solitary intracranial metastases. Sundaresan N, et al. **Neurosurgery** 1981 Mar; 8(3):329–33

Delayed radiation effects on left subclavian artery. Lemkin JA, et al. **NY State J Med** 1981 May;81(6):943–4

Radiation enteritis and radiation scoliosis; intestinal obstruction following spinal fusion. Shah M, et al. **NY State J Med** 1980 Sep;80(10):1611–3

Hodgkin's disease; thyroid dysfunction following external irradiation. Tamura K, et al. **NY State J Med** 1981 Jan; 81(1):69–72

Laryngeal acinic cell carcinoma following thyroid irradiation. Reibel JF, et al. **Otolaryngol Head Neck Surg** 1981 May–Jun;89(3 Pt 1):398–401

Pancreatic insufficiency following abdominal irradiation. Kingham JG, et al. **Postgrad Med J** 1980 Nov; 56(661):804–5

Radiation tolerance of the cervical spinal cord. Kim YH, et al. **Radiology** 1981 May;139(2):473–8

Radiation osteitis: a problem of recognition. Paling MR, et al. **Radiology** 1980 Nov;137(2):339–42

Orgotein efficacy in ameliorating side effects due to radiation therapy. Menander-Huber KB, et al. **Scan J Urol Nephrol [Suppl]** 1980;55:219–24

Complications of radiation treatment of Hodgkin's disease. Thar TL, et al. **Semin Oncol** 1980 Jun;7(2):174–83

Medical radiation exposure and genetic risks. Baker DG. **South Med J** 1980 Sep;73(9):1247–50

Radiation induced sarcoma. Karapurkar AP, et al. **Surg Neurol** 1980 Jun;13(6):419–22

Reversible delayed radiation effect on the brain after radiotherapy of malignant astrocytoma. Yamashita J, et al. **Surg Neurol** 1980 Jun;13(6):413–7

Chronic pericardial effusion after mediastinal radiotherapy. Gomm SA, et al. **Thorax** 1981 Feb;36(2):149–50

Long-term effects of small doses of X-radiation applied in childhood, as manifested in adult visually evoked responses. Yaar I, et al. **Trans Am Neurol Assoc** 1979;104:264–8

Osteogenic sarcoma occurring after irradiation. Fitzgerald RH Jr, et al. **Va Med** 1981 Jul;108(7):474–7

Instestinal obstruction as a late complication in rotentgen therapy of Wilms' tumor. Marciński A, et al. **Z Kinderchir Grenzgeb** 1980 Apr;29(4):375–7

[Delayed developmental complications after radiation therapy for nasopharyngeal carcinoma of 201 cases in childhood and adolescence (author's transl)] Cao SL. **Chung Hua Chung Liu Tsa Chih** 1979;1(2):139–43 (Eng. Abstr.) **(Chi)**

[Diagnosis of radiation myelitis (analysis of 30 cases) (author's transl)] Wei BQ. **Chung Hua Chung Liu Tsa Chih** 1979; 1(2):135–8 (Eng. Abstr.) **(Chi)**

[A patient with acute pericarditis following radio and chemotherapy] van Moppes FI, et al. **Ned Tijdschr Geneeskd** 1980 Sep 13;124(37):1551–4 (Eng. Abstr.) **(Dut)**

[Post-radiotherapy coronary stenosis, Surgical treatment (author's transl)] Nivet M, et al. **Ann Cardiol Angeiol (Paris)** 1980 Dec;29(7):541–3 (Eng. Abstr.) **(Fre)**

[Hemic variations in radiotherapic treatments (author's transl)] Mas JC, et al. **Ann Radiol (Paris)** 1980 Sep–Oct; 23(6):527–9 (Eng. Abstr.) **(Fre)**

[Cardiac complications of chemotherapy and radiotherapy] Olive D. **Arch Fr Pediatr** 1981 May;38(5):379–84 (65 ref.) **(Fre)**

[Combined radiotherapy and chemotherapy: pulmonary side effects (author's transl)] Abbatucci JS. **Bull Cancer (Paris)** 1981;68(2):142–9 (Eng. Abstr.) **(Fre)**

[Radiation enteritis of small intestine (author's transl)] De Poerck AF, et al. **J Belge Radiol** 1980;63(5):573–9 (Eng. Abstr.) **(Fre)**

[Late post-radiotherapy pericarditis. 2 cases (letter)] Fossati P, et al. **Nouv Presse Med** 1980 Nov 29;9(45):3458 **(Fre)**

[Immunosuppression, tumoricidal agents and carcinogenesis] Gorin NC. **Nouv Presse Med** 1981 May 9;10(21):1699–702 **(Fre)**

[Cerebral radionecrosis after radiotherapy for frontal cutaneous epithelioma (letter)] Hugon J, et al. **Nouv Presse Med** 1981 Mar 21;10(13):1072 **(Fre)**

[Lymphoedema of the upper limb following surgery or radiotherapy. Investigation by indirect radioactive lymphography (author's transl)] Pecking A, et al. **Nouv Presse Med** 1980 Nov 22;9(44):3349–51 (Eng. Abstr.) **(Fre)**

[Action of antineoplastic treatments on masculine fertility (author's transl)] Nguyen TH. **Rev Med Brux** 1980 Apr; 1(4):259–62 (Eng. Abstr.) **(Fre)**

[Coronary heart disease induced by radiotherapy] Cousineau G, et al. **Union Med Can** 1981 Jan;110(1):52–4 (Eng. Abstr.) **(Fre)**

[Late radiation damage in the intestine. Clinical aspects, therapy and prognosis (author's transl)] Baer U, et al. MMW 1981 Mar 27;123(13):503–7 (Eng. Abstr.) **(Ger)**

[Results of radiotherapy in surgery] Koslowski L. MMW 1981 Apr 17;123(16):637–8 **(Ger)**

[Problems of cumulative toxicity of radiotherapy and cytostatic chemotherapy in bronchial carcinoma] Rhomberg W. **Onkologie** 1980 Jun;3(3):97–101 (Eng. Abstr.) **(Ger)**

[Expert assessment of the sequelae after the radical treatment of cervical cancer] Neumeister K, et al. **Radiobiol Radiother (Berl)** 1980;21(3):340–5 (Eng. Abstr.) **(Ger)**

[Diseases of the brachial plexus after surgery and irradiation of breast cancer (author's transl)] Hering KG, et al. **Strahlentherapie** 1981 Feb;157(2):86–90 (Eng. Abstr.) **(Ger)**

[Late radiation damage to intestines following irradiation of gynaecological tumours (author's transl)] Baer U, et al. **Zentralbl Gynaekol** 1980;102(3):171–80 (Eng. Abstr.) **(Ger)**

[Actinic lesions of the ileum] Viola S, et al. **Chir Ital** 1980 Jun;32(3):645–53 (Eng. Abstr.) **(Ita)**

[Fluoroprophylaxis of odontodystrophy in radiotherapy of the cervicofacial area] Szpirglas H, et al. **Minerva Stomatol** 1979 Oct–Dec;28(4):329–34 (Eng. Abstr.) **(Ita)**

[Herpes zoster infection and radiation therapy (author's transl)] Hayakawa K, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Feb 20;16(1):1–7 (Eng. Abstr.) **(Jpn)**

[A survey on radiation-induced cancer following radiotherapy in Japan (author's transl)] Sakai K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Jan 25; 41(1):24–32 (Eng. Abstr.) **(Jpn)**

[Necrosis and radiation-induced neoplasms after treatment of carcinomas of the larynx, tonsils and nasopharynx in the material of the Department of Radiotherapy Medical Academy in Warsaw in the years 1960—1975 (author's transl)] Kukolewska-Machnicka J, et al. **Pol Przegl Radiol** 1980;44(6):465–8 (Eng. Abstr.) **(Pol)**

[3 cases of acute leukemia after radiotherapy] Jarczok K, et al. **Pol Tyg Lek** 1981 Feb 23;36(8):299–300 (Eng. Abstr.) **(Pol)**

[Blood coagulation disorders after radiation therapy and their correction] Chekalina SI, et al. **Med Radiol (Mosk)** 1981 Apr;26(4):48–51 (Eng. Abstr.) **(Rus)**

[Intravascular blood coagulation after irradiation] Sushkevich GN. **Med Radiol (Mosk)** 1981 Apr;26(4):60–4 (41 ref.) **(Rus)**

[Postradiation urogenital fistulae in women] Kan DV, et al. **Urol Nefrol (Mosk)** 1981;(3):20–2 (Eng. Abstr.) **(Rus)**

[Secondary (radiation) edemas of the extremities] Tsyb AF, et al. **Vestn Khir** 1980 Jul;125(7):53–9 (Eng. Abstr.) **(Rus)**

[Late radiation injuries of the skin and underlying tissues in the treatment of oncological patients] Bardychev MS, et al. **Vopr Onkol** 1980;26(8):59–62 (Eng. Abstr.) **(Rus)**

[Late occurrence of skin cancer at the site of a former hemangioma after short-focus x-ray therapy] Konevalov RV, et al. **Vopr Onkol** 1981;27(2):92–3 **(Rus)**

[Severe injury of the eye and orbit after radiotherapy] Merklová G, et al. **Cesk Oftalmol** 1980 Sep;36(5):341–3 (Eng. Abstr.) **(Slo)**

ECONOMICS

Juvenile nasopharyngeal angiofibroma: control rates and treatment costs [editorial] Cummings BJ.

Head Neck Surg 1980 Nov-Dec;3(2):169-70

HISTORY

Classics in oncology. Effects of radiation on normal tissues: Shields Warren M.D. **CA** 1980 Nov-Dec;30(6):350-5

[Development of the Radium Institute in Warsaw during the years 1932-1939] Chrzanowski A. **Nowotwory** 1980 Jul-Sep;30(3):305-9 (Eng. Abstr.) **(Pol)**

[The beginnings of radiodiagnosis and radiotherapy in Slovakia] Vilček E. **Bratisl Lek Listy** 1981;76(1):107-21 **(Slo)**

INSTRUMENTATION

Stable and comfortable afterloading cervix applicator. Kumar PP. **Acta Radiol Oncol Radiat Phys Biol** 1981;20(1):61-3

A new rectal marker for treatment planning [letter] Coe MA, et al. **Br J Radiol** 1981 Apr;54(640):365-6

A test phantom for radiotherapy simulators and rotational treatment units. Jones CH, et al. **Br J Radiol** 1980 Jul; 53(631):707-11

A versatile radiotherapy treatment chair. Karzmark CJ, et al. **Br J Radiol** 1980 Dec;53(636):1190-4

Design of flattening filters based on intracavitary absorbed dose measurements in external radiation therapy. Lindskoug BA, et al. **Br J Radiol** 1980 Oct;53(634):976-80

A computer-controlled radiation therapy machine for pelvic and para-aortic nodal areas. Chin LM, et al. **Int J Radiat Oncol Biol Phys** 1981 Jan;7(1):61-70

A simple test tool for checking the correspondence of the light beam and radiation field. Grimm DF, et al. **Int J Radiat Oncol Biol Phys** 1981 Apr;7(4):561-2

Radiofrequency interference with Clinac 20 [letter] Kopecky WJ, et al. **Int J Radiat Oncol Biol Phys** 1980 May;6(5):649

CT scanner selection and specification for radiation therapy. Kelsey CA, et al. **Med Phys** 1980 Sep-Oct;7(5):555-8

Airborne concentrations of toxic metals resulting from the use of low melting point lead alloys to construct radiotherapy shielding. McCullough EC, et al. **Med Phys** 1981 Jan-Feb;8(1):111-4

Quality assurance of electron-beam energy using an aluminum wedge. Moyer RF. **Radiology** 1981 Jul; 140(1):237-9

The physics of radiation therapy equipment. Galvin JM. **Semin Oncol** 1981 Mar;8(1):18-37

The focus-to-detector distance as a source of systematical errors in the measurement of Chaoul therapy units. Zaránd P. **Strahlentherapie** 1980 Sep;156(9):651-4

An experimental check of published depth dose tables (HVL: 0.8-2.5 mm Cu). Zaránd P. **Strahlentherapie** 1981 Mar; 157(3):168-70

[Electron and low-energy photon contamination of the radiation beam from a Theratron 780 cobalt unit] Groenewald WA, et al. **S Afr Med J** 1980 Oct 4; 58(14):568-70 (Eng. Abstr.) **(Afr)**

[Design and production of the wedge filter for radiotherapy (author's transl)] Hui ZQ. **Chung Hua Fang She Hsueh Tsa Chih** 1980;14(1):41-6 **(Chi)**

[Skin exposure with telecesium therapy using the radiotherapy instrument 'Cesioterax 3'] Voigtmann L, et al. **Radiobiol Radiother (Berl)** 1980 Oct;21(5):693-700 (Eng. Abstr.) **(Ger)**

[The use of computerized tomography in radiotherapy] Tatcher M, et al. **Harefuah** 1980 Jul;99(1-2):7-9 (Eng. Abstr.) **(Heb)**

[Use of a small programmable calculator as an aid in radiotherapy planning] Valente FP. **Acta Med Port** 1980 May-Jun;2(3):245-52 (Eng. Abstr.) **(Por)**

[Beta-therapy apparatus for ophthalmology] Bochkarev VV, et al. **Med Radiol (Mosk)** 1981 Jan;26(1):49-52 **(Rus)**

[Comparison of sample gamma-irradiation units by using TLD dosimetric outfits] Gubatova DIa, et al. **Med Radiol (Mosk)** 1981 Jun;26(6):52-5 (Eng. Abstr.) **(Rus)**

[Bibliographic index of inventions for radionuclide diagnosis and radiation therapy for the 2d half of 1979; based on data from the official bulletins of the patent services of the USSR, Great Britain, USA, Federal Republic of Germany, Japan and France] Menzhinskaia GV, et al. **Med Radiol (Mosk)** 1980 Nov;25(11):86-92 **(Rus)**

[Bibliographical index to inventions in radionuclide diagnosis and radiation therapy for the 1st half of 1980] Menzhinskaia GV, et al. **Med Radiol (Mosk)** 1981 Feb;26(2):85-91 **(Rus)**

METHODS

Heavy charged particle radiotherapy. Chen GT, et al. **Annu Rev Biophys Bioeng** 1981;10:499-529 (75 ref.)

The 85th frontier. Order SE, et al. **Arch Otolaryngol** 1980 Nov;106(11):719-22

Principles of radiotherapy. Paine CH. **Br J Hosp Med** 1980 Jun;23(6):544, 549-51

Personalized fixation using a vacuum consolidation technique. Dickens CW. **Br J Radiol** 1981 Mar; 54(639):257-58

A retrieval facility for computed radiotherapy plans. Pracy M. **Br J Radiol** 1980 Dec;53(636):1188-90

Biological and technical principles of total body irradiation for bone marrow graft conditioning. Dutreix J, et al. **Bull Cancer (Paris)** 1981;68(1):63-70

Effectiveness of once weekly total skin electron beam therapy in mycosis fungoides and Sezary syndrome. Nisce LZ, et al. **Cancer** 1981 Mar 1;47(5):870-6

Efficacy of neutrons in radiotherapy. Geraci JP. **Health Phys** 1981 Jan;40(1):41-53

Total Body Irradiation Conference: a report of the work party: comparison of total body irradiation techniques for bone marrow transplantation. Kim TH, et al. **Int J Radiat Oncol Biol Phys** 1980 Jun;6(6):779-84

Total Body Irradiation Conference: discussion: the radiobiological bases of TBI. Peters L. **Int J Radiat Oncol Biol Phys** 1980 Jun;6(6):785-7

Automatic outlining of regions on CT scans. Keller JM, et al. **J Comput Assist Tomogr** 1981 Apr;5(2):240-5

New horizons for therapeutic nuclear medicine in 1981. Beierwaltes WH. **J Nucl Med** 1981 Jun;22(6):549-54

Preclinical studies of dynamic treatment modes in pion therapy. Amols HI, et al. **Med Phys** 1980 Nov-Dec; 7(6):621-6

Conceptual design of beryllium targets for the generation of neutron beams for radiation therapy by the (p,n) reaction. Awschalom M, et al. **Med Phys** 1980 Sep-Oct; 7(5):492-4

The influence of target thickness and backstop material on proton-produced neutron beams for radiotherapy. Awschalom M, et al. **Med Phys** 1980 Sep-Oct;7(5):495-502

Characterization of a p(66)Be(49) neutron therapy beam II: skin-sparing and dose transition effects. Awschalom M, et al. **Med Phys** 1981 Jan-Feb;8(1):105-7

Linac monitor and effect [letter] Baird LC. **Med Phys** 1981 Jan-Feb;8(1):120

Concerning radiotherapy standard dose meter calibration. Karzmark CJ. **Med Phys** 1980 Sep-Oct;7(5):574-5

The correction for the gamma-ray component in neutron therapy. Kellerer AM, et al. **Med Phys** 1980 Sep-Oct; 7(5):503-6

Characterization of a p(66)Be(49) neutron therapy beam I: central axis depth dose and off-axis ratios. Rosenberg I, et al. **Med Phys** 1981 Jan-Feb;8(1):99-104

Neutron and gamma spectroscopy for clinical dosimetry. Schmidt R, et al. **Med Phys** 1980 Sep-Oct;7(5):507-13

Multiple scattering distributions for therapeutic pion beams. Amols HI, et al. **Phys Med Biol** 1981 Mar;26(2):277-89

Microdosimetric investigations on collimated fast neutron beams for radiation therapy: II. The problem of radiation quality and RBE. Booz J, et al. **Phys Med Biol** 1981 Jan; 26(1):43-56

Investigation of the possibility of using photoneutron beams for radiation therapy. Brahme A, et al. **Phys Med Biol** 1980 Nov;25(6):1111-20

Microdosimetric investigations on collimated fast-neutron beams for radiation therapy: I. Measurements of microdosimetric spectra and particle dose fractions in a water phantom for fast neutrons from 14 MeV deuterons on beryllium. Fidorra J, et al. **Phys Med Biol** 1981 Jan; 26(1):27-41

Determination of absorbed dose and kerma in a neutron field from measurements with a tissue-equivalent ionisation chamber. Mijnheer BJ, et al. **Phys Med Biol** 1981 Jan; 26(1):57-69

Tissue equivalence in neutron dosimetry. Nutton DH, et al. **Phys Med Biol** 1980 Nov;25(6):1173-80

Biological effects of accelerated heavy ions. II. Fractionated irradiation of intestinal crypt cells. Goldstein LS, et al. **Radiat Res** 1981 Jun;86(3):542-58

Biological effects of accelerated heavy ions. I. Single doses in normal tissue, tumors, and cells in vitro. Goldstein LS, et al. **Radiat Res** 1981 Jun;86(3):529-41

Explanation of dose-rate and split-dose effects on mouse foot reactions using the same time factor. Henkelman RM, et al. **Radiat Res** 1980 Nov;84(2):276-89

Repair of potentially lethal damage following irradiation with X rays or cyclotron neutrons: response of the EMT-6/uw tumor system treated under various growth conditions in vitro and in vivo. Rasey JS, et al. **Radiat Res** 1981 Jan; 85(1):69-84

Rationale for fractionated radiotherapy. Kimler BF, et al. **Radiol Technol** 1980 May-Jun;51(6):809-14

A simple system for detecting patient movement during radiation therapy. Simpkins GS, et al. **Radiology** 1981 Mar; 138(3):735-6

[Comparative studies on the radiosensitizing action of 4-nitroimidazole and metronidazole (author's transl)] Magdon E, et al. **Arch Geschwulstforsch** 1981;51(3):225-30 (Eng. Abstr.) **(Ger)**

[The use of mathematical optimization in radiation therapy for finding optimum irradiation techniques (author's transl)] Franke DS. **Radiobiol Radiother (Berl)** 1980 Oct; 21(5):668-76 (Eng. Abstr.) **(Ger)**

[On the technique of irregular large fields (author's transl)] Heider KM, et al. **Radiobiol Radiother (Berl)** 1980 Oct; 21(5):701-14 (Eng. Abstr.) **(Ger)**

[Irradiation planning with EPR 1100 (author's transl)] Pinsler G, et al. **Radiobiol Radiother (Berl)** 1980;21(3):322-4 (Eng. Abstr.) **(Ger)**

[The value of tomography in patient positioning in radiotherapy planning] Atzinger A, et al. **Roentgenpraxis** 1981;34(6):258-61 **(Ger)**

[CT secondary shots in radiotherapy planning] Schertel L, et al. **Roentgenpraxis** 1980;33(3):66-74 **(Ger)**

[Field controls in radiation therapy] Voss AC, et al. **Roentgenpraxis** 1980 Aug;33(8):201-5 **(Ger)**

[Treatment planning with computerized digital radiography (author's transl)] Metzger H, et al. **Strahlentherapie** 1980; 156(10):684-8 (Eng. Abstr.) **(Ger)**

[Dosimetry on the linear accelerator. Second communication: moving field therapy with ultrahard X-radiation (author's transl)] Seeger W. **Strahlentherapie** 1980 Dec; 156(12):818-23 (Eng. Abstr.) **(Ger)**

[The large field technic (mantle field technic)--a possibility of improvement in radiotherapy of the lymphatic system] Heider KM, et al. **Z Aerztl Fortbild (Jena)** 1979 Dec 15; 73(24):1172-6 **(Ger)**

[Method for radiographic determination of body contours (author's transl)] Cugini A, et al. **Radiol Med (Torino)** 1980 Dec;66(12):967-73 (Eng. Abstr.) **(Ita)**

[A program for optimizing radiation beam parameters in radiotherapy (author's transl)] Randaccio P. **Radiol Med (Torino)** 1979 Oct;65(10):741-6 (Eng. Abstr.) **(Ita)**

[Treatment planning of conformation radiotherapy by means of computed tomography (CT) (author's transl)] Obata Y, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1980 Nov 25; 40(11):1076-82 (Eng. Abstr.) **(Jpn)**

[Electrogammagraphy: a rapid method in aligning and controlling the irradiation in radiotherapy] Astapov BM, et al. **Med Radiol (Mosk)** 1981 Mar;26(3):43-7 (Eng. Abstr.) **(Rus)**

[Quantitative assessment of the choice of effective irradiation methods] Berdov BA, et al. **Med Radiol (Mosk)** 1980 Oct; 25(10):19-23 (Eng. Abstr.) **(Rus)**

[Assessment of the absorbed dosages during patient irradiation] Denisenko ON, et al. **Med Radiol (Mosk)** 1981 May;26(5):3-7 (Eng. Abstr.) **(Rus)**

[Effect of irradiation geometry on the absorbed dose] Golikov VIu, et al. **Med Radiol (Mosk)** 1981 Apr;26(4):35-9 (Eng. Abstr.) **(Rus)**

[Definition of a target function for the goal of determining the optimal physical conditions of irradiation using tolerant dosage values in normal organs and tissues] Klepper LIa. **Med Radiol (Mosk)** 1981 Jan;26(1):52-7 (Eng. Abstr.) **(Rus)**

[Determination of optimal irradiation plans with a limited number of irradiation beam directions] Klepper LIa. **Med Radiol (Mosk)** 1981 Feb;26(2):51-5 **(Rus)**

PSYCHOLOGY

[Psychological aspects of radiotherapy of children and adolescents (author's transl)] Poehler A, et al. **Klin Padiatr** 1981 May;193(3):184-8 (Eng. Abstr.) **(Ger)**

STANDARDS

Radiotherapy in cooperative clinical trials: Northern California Oncology Group (NCOG) method. MacDonald EA, et al. **Int J Radiat Oncol Biol Phys** 1980 Sep; 6(9):1207-13

The tissue-equivalence of the Alderson Rando anthropomorphic phantom for x-rays of diagnostic qualities. Shrimpton PC, et al. **Phys Med Biol** 1981 Jan; 26(1):133-9

A system for checking radiation therapy calculations for treatment time or monitor setting. Anderson DW, et al. **Radiol Technol** 1981 Jan-Feb;52(4):424-7

TRENDS

Contempo '81. Therapeutic radiology. del Regato JA, et al. **JAMA** 1981 Jun 5;245(21):2222-3

Developments in radiotherapy and are they really necessary? Jones WG. **Radiography** 1981 Jan;47(553):16-21

[Present condition and trend of the radiotherapy in a regional cancer center] Nishio M, et al. **Rinsho Hoshasen** 1981 Jan; 26(1):157-61 **(Jpn)**

[Results and developmental prospects of radon therapy in the USSR] Bogoliubov VM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Jan-Feb;(1):3-9 (Eng. Abstr.) **(Rus)**

VETERINARY

Malignant tumor formation at the site of previously irradiated acanthomatous epulides in four dogs. Thrall DE, et al. **J Am Vet Med Assoc** 1981 Jan 15;178(2):127-32

RADIOTHERAPY DOSAGE

see related
DOSE-RESPONSE RELATIONSHIP, RADIATION

Transmission of 12 kV Grenz rays and 29 kV X-rays through normal and diseased nails. Gammeltoft M, et al. **Acta Derm Venereol (Stockh)** 1980;60(5):431-2

Multiple daily fractions in radiotherapy. Kotalik JF. **Cancer Treat Rev** 1981 Jun;8(2):127-46

Anatomic localization of radioactive gold seeds of the prostate by computer-aided tomography. Elkon D, et al. **Comput Tomogr** 1981 Jan-Mar;5(1):89-93

Radiation therapy and SI units. Bjärngard BE. **Int J Radiat Oncol Biol Phys** 1981 Feb;7(2):283-5

Are we ready to change from rad to ret? [letter] Mira JG, et al. **Int J Radiat Oncol Biol Phys** 1980 Jun;6(6):739-40

Computed axial tomography (CAT) contribution for dosimetry and treatment evaluation in lung cancer. Van Houtte P, et al. **Int J Radiat Oncol Biol Phys** 1980 Aug; 6(8):995-1000

Ontario accelerator dose intercomparison study. Dawson DJ,

et al. **J Can Assoc Radiol** 1981 Mar;32(1):49–53

Presymptomatic central nervous system therapy in previously untreated childhood acute lymphoblastic leukaemia: comparison of 1800 rad and 2400 rad. A report for Children's Cancer Study Group. Nesbit ME Jr, et al. **Lancet** 1981 Feb 28;1(8218):461–6

A method for calculating megavoltage x-ray dose and dose parameters. Bagne F. **Med Phys** 1980 Nov–Dec;7(6):664–71

Electron beam dose calculations. Hogstrom KR, et al. **Phys Med Biol** 1981 May;26(3):445–59

Optimisation of field flatness and depth–dose for therapy electron beams. Marbach JR, et al. **Phys Med Biol** 1981 May;26(3):435–43

The calculation of the dose to lymphocytes in external beam radiation therapy. Ekstrand KE, et al. **Radiat Res** 1981 Feb; 85(2):399–407

Prostate cancer. Radiotherapy. Bloom HJ. **Recent Results Cancer Res** 1981;78:132–53 (64 ref.)

A conversion table for use with varying S.S.D. and depth in treatment planning. Feldman ME. **Rev Interam Radiol** 1980 Oct;5(4):105–8

Optimization of the time–dose relationship. Peschel RE, et al. **Semin Oncol** 1981 Mar;8(1):38–48

A small–scale neutron dosimetry intercomparison between Essen, Amsterdam and Edinburgh. Williams JR, et al. **Strahlentherapie** 1981 Apr;157(4):245–50

An experimental check of published depth dose tables (HVL: 0.8–2.5 mm Cu). Zaránd P. **Strahlentherapie** 1981 Mar; 157(3):168–70

[Characteristics of electron beams and their determination from depth dose curves (author's transl(] Novotný J, et al. **Cesk Radiol** 1980 Sep;34(5):356–66 (Eng. Abstr.) **(Cze)**

[Automated measurement of relative distribution of depth dose in water phantom (author's transl)] Prokeš K, et al. **Cesk Radiol** 1981 Mar;35(2):85–90 (Eng. Abstr.) **(Cze)**

[The expression of dose in radiotherapy (letter)] Laugier A, et al. **Bull Cancer (Paris)** 1980;67(3):341–2 **(Fre)**

[Dosimetry and dose specification in neutrontherapy at 'CYCLONE' (author's transl)] Octave–Prignot M, et al. **J Belge Radiol** 1980;63(6):679–87 (Eng. Abstr.) **(Fre)**

[Treatment of various stages of Hodgkin's disease (author's transl)] Kenis Y, et al. **Rev Med Brux** 1980 May; 1(5):299–305 (Eng. Abstr.) **(Fre)**

[Treatment of breast cancer. A comparison between postoperative radiotherapy and long–term iscador treatment following conservative radical mastectomy] Koch HL, et al. **Med Welt** 1980 Dec 5;31(49):1773–5 **(Ger)**

[Double monitor system for Betatron 500 A. I. Double monitor system for bremsstrahlung (43 MV) (author's transl)] Janas R. **Radiobiol Radiother (Berl)** 1980; 21(4):478–82 (Eng. Abstr.) **(Ger)**

[Double monitor system for Betatron 500 A. II. Double monitor system for electron radiation (5—43 MeV) (author's transl)] Janas R. **Radiobiol Radiother (Berl)** 1980; 21(4):483–8 (Eng. Abstr.) **(Ger)**

[Radiation therapy of malignant tumours with 2 irradiations per day (author's transl)] Vorobjev JI, et al. **Radiobiol Radiother (Berl)** 1980;21(4):434–40 (Eng. Abstr.) **(Ger)**

[Optimization of reproducibility of irradiation fields with particular reference to irregular fields (author's transl)] Bruggmoser G, et al. **Roentgenblaetter** 1981 Jun;34(6):236–8 (Eng. Abstr.) **(Ger)**

[Calculation of rotating field isodose lines without spike artefacts (author's transl)] Kahlhöfer J. **Strahlentherapie** 1981 May;157(5):335–9 (Eng. Abstr.) **(Ger)**

[Combination radio and chemotherapy from the viewpoint of the medical oncologist] Engelhardt R. **Strahlentherapie [Sonderb]** 1978;75:88–95 **(Ger)**

[Modification of time interval between surgery and irradiation as well as additional therapeutic measures of a brachial plexus disorder in operated breast carcinoma?] Hering KG, et al. **Strahlentherapie [Sonderb]** 1978;75:202–4 **(Ger)**

[Therapy of inflammatory chest wall recurrence in breast carcinoma. Intermittent local irradiation with inflammation and tumor dosages in combination with cytostatic interval polychemotherapy] Renner H, et al. **Strahlentherapie [Sonderb]** 1978;75:196–8 **(Ger)**

[Clinical experiences with radiotherapy and ICRF 159 in sarcomas] Rhomberg W, et al. **Strahlentherapie [Sonderb]** 1978;75:110–4 **(Ger)**

[Population doses from beam–therapy in Japan, 1978. Part 3. Estimation of malignancy significant dose and fatal malignant risk (author's transl)] Hashizume T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1981 Feb; 41(2):158–67 (Eng. Abstr.) **(Jpn)**

[Population doses from beam therapy in Japan 1978. Part 2. Estimation of genetically significant dose, per caput mean bone marrow dose and leukemia significant dose (author's transl)] Hashizume T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1980 May; 40(5):466–75 (Eng. Abstr.) **(Jpn)**

[Population doses from brachytherapy in Japan, 1979 (author's transl)] Hashizume T, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1980 Sep 25; 40(9):878–84 (Eng. Abstr.) **(Jpn)**

[Ratio of the optimal therapeutic dose to the number of fractions and the volume of the irradiated tumor] Kholin VV, et al. **Med Radiol (Mosk)** 1981 Apr;26(4):46–8 **(Rus)**

[Replacement of the radioactivity and absorbed–radiation dose units] Iasnogorodskiĭ VG, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Jan–Feb; (1):69–70 **(Rus)**

STANDARDS

Gamma contamination of neutron beams [letter] Denekamp J. **Br J Radiol** 1980 Aug;53(632):819

Revised cobalt–60 depth dose data. Le Roux PL, et al. **Br J Radiol** 1980 Dec;53(636):1177–81

Choice of the measuring quantity for therapy–level dosemeters. Reich H. **Phys Med Biol** 1979 Sep; 24(5):895–900

Physical and technological aspects of quality assurance in radiation oncology. Ahuja SD. **Radiol Technol** 1980 May–Jun;51(6):759–74

[Dose specification in external irradiation (II)] Hashimoto S, et al. **Rinsho Hoshasen** 1980 Nov;25(12):1341–2 **(Jpn)**

[Dose specification in external irradiation (I)—with special reference to ICRU report Nol 29: a physical aspect] Kawashima K. **Rinsho Hoshasen** 1980 Oct;25(11):1253–4 **(Jpn)**

RADIOTHERAPY, HIGH ENERGY

Implications of radiotherapeutical techniques. Henry J. **Acta Chir Belg** 1980 Mar–Apr;79(2):87–8

Electron and photon beams from a 50 MeV racetrack microtron. Brahme A, et al. **Acta Radiol Oncol Radiat Phys Biol** 1980;19(4):305–19

Induced radioactivity in patients from betatron irradiation. Bennett GW, et al. **Br J Radiol** 1981 Jan;54(637):53–6

Management of inflammatory carcinoma of breast with combined modality approach – an update. Buzdar AU, et al. **Cancer** 1981 Jun 1;47(11):2537–42

An evaluation of supervoltage orbital irradiation for Graves' ophthalmopathy. Teng CS, et al. **Clin Endocrinol (Oxf)** 1980 Dec;13(6):545–51

Radiotherapy of extramedullary plasmacytoma of the head and neck. Harwood AR, et al. **Clin Radiol** 1981 Jan; 32(1):31–6

Five–year results by intensive high voltage therapy of inoperable bronchial carcinoma. Eichhorn HJ. **Eur J Cancer** 1980 Dec;16(12):1591–6

Combined interstitial and external radiotherapy in the definitive management of carcinoma of the prostate. Guerriero WG, et al. **In: Clinical conference on cancer, 23d, M. D. Anderson Hospital and Tumor Institute, Houston, 1978. Cancer of the genitourinary tract. New York : Raven Press, 1979. W3 C162H 23d 1978c c.1 pp.**:207–16

Experience with limited–field irradiation for adenocarcinoma of the prostate. Hussey DH. **In: Clinical conference on cancer, 23d, M. D. Anderson Hospital and Tumor Institute, Houston, 1978. Cancer of the genitourinary tract. New York : Raven Press, 1979. W3 C162H 23d 1978c c.1 pp.**:217–28

High energy beams of radioactive nuclei and their biomedical applications. Chatterjee A, et al. **Int J Radiat Oncol Biol Phys** 1981 Apr;7(4):503–7

Comparative 60Co total body irradiation (220 cm SAD) and 25 MV total body irradiation (370 cm SAD) dosimetry. Glasgow GP, et al. **Int J Radiat Oncol Biol Phys** 1980 Sep;6(9):1243–50

Performance evaluation of computerized treatment planning systems for radiotherapy: external photon beams. McCullough EC, et al. **Int J Radiat Oncol Biol Phys** 1980 Nov;6(11):1599–605

Megavoltage irradiation of epithelial tumors of the nasopharynx. Mesic JB, et al. **Int J Radiat Oncol Biol Phys** 1981 Apr;7(4):447–53

Treatment of small cell carcinoma of lung with combined high dose mediastinal irradiation, whole brain prophylaxis and chemotherapy. Shank B, et al. **Int J Radiat Oncol Biol Phys** 1981 Apr;7(4):469–75

Effects of an acrylic resin tray on relative surface doses for 10 MV X ray beams. Wu A. **Int J Radiat Oncol Biol Phys** 1980 Sep;6(9):1257–60

Concerning dose buildup at the air–tissue interface [letter] August LS, et al. **Med Phys** 1980 Nov–Dec;7(6):727–9

A method for calculating megavoltage x–ray dose and dose parameters. Bagne F. **Med Phys** 1980 Nov–Dec;7(6):664–71

Neutron spectra and neutron kerma derived from activation and fission detector measurements in a d+T neutron therapy beam. Mijnheer BJ, et al. **Phys Med Biol** 1981 Jul; 26(4):641–55

Absorbed dose from secondary electrons in high energy photon beams. Nilsson B, et al. **Phys Med Biol** 1979 Sep; 24(5):901–12

A comparative study of the effect of adriamycin on the sensitivity of mice to whole–body irradiation with 6–MVp photons or fast neutrons (67 MeV p–-Be). Colman M, et al. **Radiology** 1980 Dec;137(3):833–4

Retreatment of recurrent nasopharyngeal carcinoma. McNeese MD, et al. **Radiology** 1981 Jan;138(1):191–3

Scheduling of hypoxic–tumor therapy using neutron brachytherapy. Maruyama Y, et al. **Radiology** 1980 Dec; 137(3):775–81 (39 ref.)

Particle radiation therapy: the first forty years. Castro JR. **Semin Oncol** 1981 Mar;8(1):103–9 (34 ref.)

Future prospects of radiation therapy with protons. Munzenrider JE, et al. **Semin Oncol** 1981 Mar;8(1):110–24 (44 ref.)

Bleomycin infusions combined with radiotherapy in the treatment of inoperable esophageal cancer. Kolarić K, et al. **Tumori** 1980 Oct 31;66(5):615–21

[The therapeutic effects of high energy electron beam in nasopharyngeal cancer (author's transl)] Cai WM. **Chung Hua Fang She Hsueh Tsa Chih** 1980 May;14(2):124–7 **(Chi)**

[Combination of irradiation by a He–Ne laser and fast electrons in chronically recurrent basilomas with postactinic ulceration (author's transl)] Caha A, et al. **Cesk Radiol** 1980 Sep;34(5):352–5 (Eng. Abstr.) **(Cze)**

[Characteristics of electron beams and their determination from depth dose curves (author's transl(] Novotný J, et al. **Cesk Radiol** 1980 Sep;34(5):356–66 (Eng. Abstr.) **(Cze)**

[Developments in radiotherapy; breast–saving treatment in inoperable breast carcinoma] Bartelink H. **Ned Tijdschr Geneeskd** 1980 Oct 11;124(41):1717–8 **(Dut)**

[Various data on Hodgkin disease] Hoogendoorn D. **Ned Tijdschr Geneeskd** 1981 Feb 7;125(6):240–3 (Eng. Abstr.) **(Dut)**

[Non–seminomatous germ cell tumors of the testis] van der Werf–Messing B, et al. **Ned Tijdschr Geneeskd** 1981 Aug 8;125(32):1281–6 (Eng. Abstr.) **(Dut)**

[On the problem of air activation in megavoltage therapy with 15 to 20 MeV (author's transl)] Dorn WL. **Strahlentherapie** 1980 Dec;156(12):836–8 (Eng. Abstr.) **(Ger)**

[Electron beam therapy for local recurrent breast cancer—the relationship between prognosis, and histopathology and clinical manifestation of recurrence (author's transl)] Ito I, et al. **Nippon Gan Chiryo Gakkai Shi** 1981 Feb 20;16(1):15–20 (Eng. Abstr.) **(Jpn)**

[Survival time in breast cancer after postoperative irradiation with various technics] Brzaković P, et al. **Srp Arh Celok Lek** 1980 Apr;108(4):309–16 (Eng. Abstr.) **(Scc)**

ADVERSE EFFECTS

Fibrosarcoma after high energy radiation therapy for pituitary adenoma. Martin WH, et al. **AJR** 1980 Nov; 135(5):1087–90

Radiation heart disease. Analysis of 16 young (aged 15 to 33 years) necropsy patients who received over 3,500 rads to the heart. Brosius FC 3d, et al. **Am J Med** 1981 Mar; 70(3):519–30

Second malignancies in Hodgkin's disease: a complication of certain forms of treatment. Valagussa P, et al. **Br Med J** 1980 Jan 26;280(6209):216–9

Neoplasms induced by megavoltage radiation in the head and neck region. Steeves RA, et al. **Cancer** 1981 Apr 1; 47(7):1770–4

Cardiac disease in patients who have malignancies. Applefeld MM, et al. **Curr Probl Cardiol** 1980 Feb;4(11):1–37 (50 ref.)

Late reactions and complications in patients treated with high energy neutrons p (66MeV)be(49MeV). Cohen L, et al. **Int J Radiat Oncol Biol Phys** 1981 Feb;7(2):179–84

Late complications of radiation only for advanced breast cancer. Spanos WJ Jr, et al. **Int J Radiat Oncol Biol Phys** 1980 Nov;6(11):1473–6

Late subcutaneous fibrosis following megavoltage radiotherapy. James WD, et al. **J Am Acad Dermatol** 1980 Dec;3(6):616–8

Megaloblastic anaemia after pelvic radiotherapy for carcinoma of the cervix. Anderson CG, et al. **J Clin Pathol** 1981 Feb;34(2):151–2

Osteogenic sarcoma following treatment with megavoltage radiation and chemotherapy for bone tumors in children. Freeman CR, et al. **Med Pediatr Oncol** 1980;8(4):375–82

Radiation pneumonitis following electron beam radiotherapy. Wade JS, et al. **Rev Interam Radiol** 1980 Oct;5(4):117–20

[Surgical management of heavily irradiated tissues (author's transl)] Schaupp H. **HNO** 1980 Jul;28(7):222–5 (Eng. Abstr.) **(Ger)**

[Hematologic and clinical side effects of a single half–body irradiation] Herrmann T, et al. **Radiobiol Radiother (Berl)** 1980 Oct;21(5):608–19 (Eng. Abstr.) **(Ger)**

[Late effects after high–voltage radiation therapy in the region of the minor pelvis: experience with more than 1000 patients between 1950 and 1977 (author's transl)] Glanzmann C. **Strahlentherapie** 1980;156(10):678–83 (Eng. Abstr.) **(Ger)**

[Pulmonary disease after radiotherapeutic treatment of carcinoma of the breast with fast electrons from an 18 MeV betatron] Tomassone V, et al. **Minerva Med** 1980 Sep 19; 71(34):2389–93 (Eng. Abstr.) **(Ita)**

INSTRUMENTATION

Memorandum from the British Committee on Radiation Units and Measurements. Quantities for reporting the calibration of therapy–level dosemeters in photon beams. **Br J Radiol** 1980 Sep;53(633):917–8

Solid state dual dosimetry system for a medical linear accelerator. Garrett JA, et al. **Br J Radiol** 1980 Aug; 53(632):800–1

Curietherapy at high dose rate (Cathetron). Snelling MD, et al. **Bull Cancer (Paris)** 1979;66(5):573–4

'Horns' on a 6MeV linear accelerator. Reinstein LE, et al. **Int J Radiat Oncol Biol Phys** 1981 Jan;7(1):111–3

The use of a 4 MV linear accelerator for whole body irradiation. Svensson GK, et al. **Int J Radiat Oncol Biol Phys** 1980 Jun;6(6):761–5

Postal intercomparison of absorbed dose for high energy x rays with thermoluminescence dosimeters. Bjärngard BE, et al. **Med Phys** 1980 Sep–Oct;7(5):560–5

An intercomparison of neutron measurments for a 25 MV x-ray radiotherapy accelerator. Nath R, et al. **Med Phys** 1980 Sep–Oct;7(5):545–8

An adjustable collimator for neutron therapy. Bewley DK, et al. **Phys Med Biol** 1981 Jul;26(4):711–4

The stability of teletherapy-beam symmetry with gantry angle. Padikal TN, et al. **Radiology** 1981 May;139(2):501–3

[Measurement and calculation of the air activation caused by 15 MeV continuous radiation emitted by a linear accelerator (author's transl)] Gremmel H, et al. **Strahlentherapie** 1981 Mar;157(3):187–90 (Eng. Abstr.) **(Ger)**

[Effectiveness of treatment of cervical cancer using an apparatus for high-energy gamma-therapy] Stankevich AA, et al. **Vopr Onkol** 1980;26(11):59–62 (Eng. Abstr.) **(Rus)**

METHODS

Collimation of high energy electron beams. Lax I, et al. **Acta Radiol Oncol Radiat Phys Biol** 1980;19(3):199–207

Improved radiotherapeutic technique for prophylaxis of the central nervous system in patients with acute lymphoblastic leukaemia. Pla M, et al. **Br J Radiol** 1981 May; 54(641):412–5

Improved survival of patients with unresectable non-small-cell bronchogenic carcinoma by an innovated high-dose en-bloc radiotherapeutic approach. Choi NC, et al. **Cancer** 1981 Jul 1;48(1):101–9

Therapeutic use of fractionated total body and subtotal body irradiation. Loeffler RK. **Cancer** 1981 May 1;47(9):2253–8

Results of a pilot study of wide field radiotherapy in the treatment of oat cell carcinoma of the bronchus. Dawes PJ. **Clin Radiol** 1980 Nov;31(6):723–7

Step-rotation therapy: a technique for linear accelerators. Smith CW, et al. **Clin Radiol** 1980 Jul;31(4):441–3

Use of 42 MeV betatron bremsstrahlung irradiation in the therapy combined with radium in carcinoma of the cervix. Tačev T, et al. **Czech Med** 1981;4(1–2):32–42

A question in evaluation of mixed beam (neutron/photon) therapy. Geraci JP. **Eur J Cancer** 1981 Mar;17(3):367–9

Fluoroscopic visualization of megavoltage therapeutic x ray beams. Baily NA, et al. **Int J Radiat Oncol Biol Phys** 1980 Jul;6(7):935–9

Precision radiotherapy for cancer of the pancreas: technique and results. Dobelbower RR Jr, et al. **Int J Radiat Oncol Biol Phys** 1980 Sep;6(9):1127–33

Physical considerations in the treatment of advanced carcinomas of the larynx and pyriform sinuses using 10 MV X rays. Doppke K, et al. **Int J Radiat Oncol Biol Phys** 1980 Sep;6(9):1251–5

Use of tissue compensators to improve the dose uniformity for total body irradiation. Galvin JM, et al. **Int J Radiat Oncol Biol Phys** 1980 Jun;6(6):767–71

Basic data for dosage calculation and compensation. Khan FM, et al. **Int J Radiat Oncol Biol Phys** 1980 Jun; 6(6):745–51

The application of the approximation method of equivalent square for magavoltage photon beams. Osman GE, et al. **J Med** 1980;11(2–3):117–25

Semi-empirical model for depth dose distributions of megavoltage x-ray beams. Ahuja SD, et al. **Med Phys** 1980 Sep–Oct;7(5):537–44

[The use of potentiating agents in megavoltage therapy of non-resected localized carcinoma of the lung (author's transl)] Guérin RA. **Rev Fr Mal Respir** 1979 Dec;7(7):751–6 (Eng. Abstr.) **(Fre)**

[The combined radiation therapy of lymphogranulomatosis by means of 29-mev bremsstrahlung and cobalt gamma radiation (author's transl)] Petrányi J, et al. **Radiobiol Radiother (Berl)** 1980;21(4):409–16 (Eng. Abstr.) **(Ger)**

[Trends in cancer therapy with new particle radiotherapy. Use of pi-mesons and heavy ion beam, with special reference to our own cases] Akanuma A. **Nippon Rinsho** 1980 Jun;38(6):2501–15 **(Jpn)**

[Radical irradiation techniques for the cervical esophageal cancer (author's transl)] Takeuchi O, et al. **Rinsho Hoshasen** 1980 Nov;25(12):1261–8 (Eng. Abstr.) **(Jpn)**

[Effectiveness of the combined treatment of a medulloblastoma depending on the irradiation method] Ragaishene VN, et al. **Med Radiol (Mosk)** 1980 Nov; 25(11):7–10 (Eng. Abstr.) **(Rus)**

[Use of bremsstrahlung and electron beams in the preoperative irradiation of breast cancer with figure fields] Afanas'ev BP, et al. **Vopr Onkol** 1981;27(2):17–20 (Eng. Abstr.) **(Rus)**

RADIOTHERAPY, INTERSTITIAL see **BRACHYTHERAPY**

RADIOTHERAPY, INTRACAVITY see **BRACHYTHERAPY**

RADIOTHERAPY, SURFACE see **BRACHYTHERAPY**

RADIUM

Mitogenic stimulation of peripheral lymphocytes from radium workers. Serio CS, et al. **Int J Radiat Biol** 1980 Nov;38(5):583–8

Prolonged 'ultra' low-dose-rate irradiation: effects on Chinese hamster cell population growth, survival, and radiation sensitivity. Shipley WU, et al. **Radiat Res** 1981 Jan;85(1):150–60

ADMINISTRATION & DOSAGE

Radium dosage: SI units and the Manchester system [letter] Gibb R, et al. **Br J Radiol** 1980 Nov;53(635):1100–1

Assessment with TLD of radiation exposure to staff during radium insertions in cancer of cervix. Jain MP, et al. **Br J Radiol** 1980 Nov;53(635):1083–6

Radium needle spacing effect on the dose distribution of planar implants. Richman M, et al. **Br J Radiol** 1980 Oct; 53(634):996–7

A simple function describing the absorption in platinum for dose-rate calculations around radium applicators. Toepfer KD, et al. **Br J Radiol** 1980 Nov;53(635):1078–82

Dose-response relationships for bone tumors in beagles exposed to 226Ra and 90Sr. Raabe OG, et al. **Health Phys** 1981 Jun;40(6):863–80

Dosimetric consequences of asymmetric positioning of active source in 137 Cs and 226Ra intracavitary tubes. Sharma SC, et al. **Int J Radiat Oncol Biol Phys** 1981 Apr;7(4):555–9

[Category T1NXM0 bladder cancer treated with radium implantation or transurethral resection] van der Werf-Messing B, et al. **Ned Tijdschr Geneeskd** 1981 May 23;125(21):825–9 (Eng. Abstr.) **(Dut)**

[New method of brachytherapy of uterine body cancer. I. Radium chain] Rattka P, et al. **Nowotwory** 1980 Jul–Sep; 30(3):245–8 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Florence Kelley and the radium dial painters. Cloutier RJ. **Health Phys** 1980 Nov;39(5):711–6

Breast cancer in female radium dial workers first employed before 1930. Adams EE, et al. **JOM** 1980 Sep;22(9):583–7

Lifetime studies of 226Ra and 90Sr toxicity in beagles--a status report. Raabe OG, et al. **Radiat Res** 1981 Jun; 86(3):515–28

[The effect of radionuclides on the rat masticatory organ] Reichart P, et al. **Dtsch Zahnaerztl Z** 1980 Jan;35(1):82–4 (Eng. Abstr.) **(Ger)**

ANALYSIS

Natural radioactivity of drinking water in Finland. Asikainen M, et al. **Health Phys** 1980 Jul;39(1):77–83

Worldwide measurement of 226Ra in human bone: estimate of skeletal alpha dose. Fisenne IM, et al. **Health Phys** 1981 Feb;40(2):163–71

Internal Radiation Doses from radioactivity of drinking water in Finland. Kahlos H, et al. **Health Phys** 1980 Jul; 39(1):108–11

Radioactivity content of books. Lalit BY, et al. **Health Phys** 1981 May;40(5):731–5

The concentration of 226Ra and 228Ra in domestic and imported bottled waters. McCurdy DE, et al. **Health Phys** 1981 Feb;40(2):250–3

228Ra and 226Ra content of groundwater in Fall Line aquifers. Michel J, et al. **Health Phys** 1980 Apr;38(4):663–71

Decommissioning of a luminous dial painting facility. Murphy GL, et al. **Health Phys** 1980 Oct;39(4):593–600

Use of physiological and genetic algal tests for the hygienic evaluation of pollutants in waters. Part I. 226Ra studies. Havlik B, et al. **J Hyg Epidemiol Microbiol Immunol** 1981; 25(2):121–33

Radon measurement with a Lucas-type counter--application to radium determination in natural water. Yamazaki K, et al. **Radioisotopes** 1980 May;29(5):236–9

[Study on focusing chromatographic simultaneous determinations of 226Ra and its daughter nuclides by means of solid state alpha-tracks detection and beta-autoradiography (author's transl)] Furushima K, et al. **Radioisotopes** 1980 Sep;29(9):417–21 (Eng. Abstr.) **(Jpn)**

HISTORY

[Curie and medicine (Pierre Curie)] Sztanyik BL. **Orv Hetil** 1981 Apr 19;122(16):961–4 **(Hun)**

METABOLISM

Alginate treatment and decrease of 226Ra retention in the mouse femur after an i.p. contamination with various radium doses. Kestens L, et al. **Health Phys** 1980 Nov; 39(5):805–9

Hygienic importance of increased barium content in some fresh waters. Havlik B, et al. **J Hyg Epidemiol Microbiol Immunol** 1980;24(4):396–404

[Removal of uranium-radium series radionuclides from polluted soil by a wheat crop] Mordberg EL, et al. **Gig Sanit** 1980 Aug;(8):26–9 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

[The effects of radium-224 in children and adults (author's transl)] Mays CW. **Monatsschr Kinderheilkd** 1980 Sep; 128(9):595–7 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Dose distribution around radium arrays used in the treatment of uterine carcinoma. Sharma PD, et al. **Acta Radiol Oncol Radiat Phys Biol** 1980;19(3):229–33

Long term results of radium therapy in cervical cancer [editorial] Hamberger AD. **Int J Radiat Oncol Biol Phys** 1980 May;6(5):647–8

Long term results of radium therapy in cervical cancer. Volterrani F, et al. **Int J Radiat Oncol Biol Phys** 1980 May; 6(5):565–70

Nasopharyngeal irradiation treatment of hyperplastic adenoids. Pratt LW. **Otolaryngol Head Neck Surg** 1981 Jan–Feb;89(1):47–53

[The treatment of inoperable endometrial cancer by means of intracavitary radiotherapy (author's transl)] Kucera H. **Geburtshilfe Frauenheilkd** 1980 May;40(5):432–6 (Eng. Abstr.) **(Ger)**

[Clinical dosimetry in radium 226 and iridium 192 interstitial therapy of oral tongue cancer (author's transl)] Baroncelli G, et al. **Radiol Med (Torino)** 1980 Nov;66(11):819–26 (Eng. Abstr.) **(Ita)**

RADIUS

Chondroid syringoma (mixed tumour) of radius. Gadgil RK, et al. **Indian J Cancer** 1981 Mar;18(1):81–3

Malignant giant-cell tumor of the distal end of the radius treated by a free vascularized fibular transplant. Pho RW. **J Bone Joint Surg [Am]** 1981 Jul;63A(6):877–84

Case report 144. Primary hemangiopericytoma of the right radius. Kahn LB, et al. **Skeletal Radiol** 1981;6(2):139–43

[Double occurrence of a giant-cell tumour (author's transl)] Deburge A, et al. **Rev Chir Orthop** 1980 Jul–Aug; 66(5):323–6 (Eng. Abstr.) **(Fre)**

[Total ulnar nerve paralysis in epiphysiolysis of the radius] Tipold E. **Handchirurgie** 1979;11(3–4):245–6 (Eng. Abstr.) **(Ger)**

[Osteochondrosis dissecans of the distal radio ulnar joint (author's transl)] Meyer VE, et al. **Orthopaede** 1981 Jan; 10(1):66–7 **(Ger)**

[Surgical treatment of tumors of the forearm bones] Kulish NI, et al. **Ortop Travmatol Protez** 1980 Dec;(12):8–11 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

TAR syndrome: Dorsal pedal edema and excessive perspiration. Feingold M, et al. **Am J Dis Child** 1980 Sep; 134(9):895–6

Lower limb anomalies in the thrombocytopenia absent-radius (TAR) syndrome. Ray R, et al. **Am J Med Genet** 1980; 7(4):523–8

Thrombocytopenia with absent radii (the TAR syndrome). Fayen WT, et al. **Am J Med Sci** 1980 Sep–Oct;280(2):95–9

Ring chromosome 15 in a male adult with radial defects. Evaluation of the phenotype. Meinecke P, et al. **Clin Genet** 1980 Dec;18(6):428–33

Storage pool disease of platelets in an infant with thrombocytopenic absent radii (TAR) syndrome simulating Fanconi's anaemia. Zahavi J, et al. **Haemostasis** 1981; 10(3):121–33

[Multiple enchondromas of both hands with ulna hypoplasia and radius dysplasia on the left] Yurttas I, et al. **Handchirurgie** 1979;11(3–4):185–90 (Eng. Abstr.) **(Ger)**

[A new method for correction of clubhands (author's transl)] Köhnlein HE. **Z Kinderchir Grenzgeb** 1980 Jul;30 Suppl:92–5 (Eng. Abstr.) **(Ger)**

[idiopathic dislocation of the radial head (an unusual, unpublished, anatomopathological finding)] Zenezini M, et al. **Chir Organi Mov** 1981;66(1):127–32 (Eng. Abstr.) **(Ita)**

ANALYSIS

Effect of intraosseous fat on the measurements of bone mineral of distal radius. Lahtinen T, et al. **Calcif Tissue Int** 1980;32(1):7–8

ANATOMY & HISTOLOGY

Estimation of stature from parts of bones--lower end of femur and upper end of radius. Mysorekar VL, et al. **Med Sci Law** 1980 Oct;20(4):283–6

BLOOD SUPPLY

[Measurement of radius of the digital artery in patients with vibration disease--comparison of actual measurement with theoretical value (author's transl)] Kato M, et al. **Kokyu To Junkan** 1981 Apr;29(4):393–8 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

[Phosphatase activity in the forearm bones of rats after a flight aboard the biosatellite 'Cosmos-936'] Popova IA, et al. **Kosm Biol Aviakosm Med** 1981 Jan–Feb;15(1):82–4 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Parameters of longitudinal growth rate in rabbit epiphyseal

growth plates. Seinsheimer F 3d, et al.
J Bone Joint Surg [Am] 1981 Apr;63A(4):627–30

INJURIES

Radial trans-scaphoid perilunate dislocation. Sabato S, et al.
J Trauma 1981 Apr;21(4):330–1

METABOLISM

Hypophosphatemic vitamin D resistant rickets (phosphate diabetes): bone mineral problems studied by 125I-computed tomography and microradiography. Exner GU, et al.
Helv Paediatr Acta 1980 Mar;35(1):39–49

Bone mineral content of the radius: good correlations with physicochemical determinations in iliac crest trabecular bone of normal and osteoporotic subjects. Manicourt DH, et al. **Metabolism** 1981 Jan;30(1):57–62

[Quantitative evaluation of the degree of bone tissue deposition in sponge-like skeletal segments experimentally subjected to mechanical stress] Lozupone E, et al.
Boll Soc Ital Biol Sper 1979 Mar 15;55(5):473–7 (Eng. Abstr.) **(Ita)**

[Quantitative evaluation of the degree of bone tissue deposition in sponge-like skeletal segments submitted to a physiological overload] Lozupone E, et al.
Boll Soc Ital Biol Sper 1979 Mar 15;55(5):467–22 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

[Compression strength of human radii (author's transl)] Hoyer HE, et al. **Z Orthop** 1980 Oct;118(5):816–21 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Desmoplastic fibroma. Omojola MF, et al.
J Can Assoc Radiol 1980 Dec;31(4):273–5

[Radiologic analysis of 400 cases of normal distal radio-ulnar joint (author's transl)] Liu KZ.
Chung Hua Fang She Hsueh Tsa Chih 1980;14(3):223–4 **(Chi)**

SURGERY

Lengthening of the radius or ulna in asymmetrical hypoplasia of the forearm (report on 7 cases). Dal Monte A, et al.
Ital J Orthop Traumatol 1980 Dec;6(3):329–42

Shortening of the radius in the treatment of lunatomalacia. Ovesen J. **J Bone Joint Surg [Br]** 1981 Aug;63-B(2):231–2

Limited wrist arthrodesis. Part II: Intercarpal and radiocarpal combinations. Watson HK, et al. **J Hand Surg** 1981 MAY; 6(3):223–33

Radius shortening in malacia of the lunate. Eiken O, et al.
Scand J Plast Reconstr Surg 1980;14(2):191–6

[Arthrodesis of the wrist by capitate-radius fixation (author's transl)] Souquet R, et al. **Ann Chir** 1980 Nov;34(9):689–91 (Eng. Abstr.) **(Fre)**

[Corrective osteotomies of the distal end of the lower arm including corrective osteotomies of the radius base - indication and technic] Cotta H, et al.
Aktuel Probl Chir Orthop 1981;20:147–50 **(Ger)**

[Results of corrective osteotomies of the radius base] Rüter A, et al. **Aktuel Probl Chir Orthop** 1981;20:151–5 **(Ger)**

[Osteomuscular decortication in re-arthrodesis of the elbow joint] Stankiewicz Z, et al. **Wiad Lek** 1980 Jun 1; 33(11):923–6 (Eng. Abstr.) **(Pol)**

RADIUS FRACTURES

CLASSIFICATION

[Smith's fractures] Fernandez DL. **Z Unfallmed Berufskr** 1980;73(3):110–4 **(Ger)**

COMPLICATIONS

Treatment of posttraumatic deformities in the radiocarpal joint in children. Doletsky SJ, et al.
Acta Chir Acad Sci Hung 1979;20(2–3):253–62

Electrodiagnostic study of carpal tunnel syndrome after Colles fracture. Wainapel SF, et al. **Am J Phys Med** 1981 Jun;60(3):126–31

The acute carpal tunnel syndrome. Bauman TD, et al.
Clin Orthop 1981 May;(156):151–6

Single-blind study of diflunisal versus mefenamic acid in the treatment of pain after Colles' fracture. Barrington R.
Curr Med Res Opin 1980;6(9):630–3

Closed rupture of extensor digitorum communis tendon following fracture of the radius. Mackay I, et al. **Hand** 1980 Jun;12(2):214–6

Irreducible distal radioulnar joint occurring in a Galeazzi fracture - case report. Alexander AH, et al.
J Hand Surg 1981 MAY;6(3):258–61

Traumatic entrapment of the extensor pollicis longus tendon in Smith's fracture of the radius-case report. Murakami Y, et al. **J Hand Surg** 1981 MAY;6(3):238–40

Dorsal radiocarpal fracture dislocation. Tanzer TL, et al.
J Trauma 1980 Nov;20(11):999–1000

[Microsurgical treatment of injuries of peripheral nerves in conjunction with fractures of the long bones of the upper extremities (author's transl)] Tabakov D.
Acta Chir Orthop Traumatol Cech 1980 Dec;47(6):527–32 (Eng. Abstr.) **(Cze)**

[Prosthetic radius head replacement in radio-ulnar synostosis following radius head fracture] Hendrich V, et al.
Aktuel Probl Chir Orthop 1981;20:126–7 **(Ger)**

[Results of the surgical treatment of bridge callus through silastic membrane interposition] Zilch H. **Handchirurgie** 1979;11(3–4):209–11 (Eng. Abstr.) **(Ger)**

[Delays and non-union after forearm fractures (author's transl)] Finkbeiner GF. **Unfallheilkunde** 1980 Jul; 83(7):353–9 (Eng. Abstr.) **(Ger)**

[Method of surgical treatment in posttraumatic radioulnar synostosis in children] Afaunov AI.
Ortop Travmatol Protez 1981 Jun;(6):54–6 **(Rus)**

[Posttraumatic dystrophy (Sudeck's syndrome) in classic radial fractures] Vitiugov IA, et al.
Ortop Travmatol Protez 1980 Sep;(9):1–7 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

[Smith's fracture] Perinović D. **Med Arh** 1980;34(1):61–6 **(Scr)**

DRUG THERAPY

Mobilization of stiff hands after 104 Colles' fractures: a comparison between the value of the Movelat and its base cream. Pasila M, et al. **Rheumatol Rehabil** 1980 Aug; 19(3):170–2

PATHOLOGY

Study of triangular fibrocartilage of the wrist joint in Colles' fracture. Mohanti RC, et al. **Injury** 1980 May;11(4):321–4

PHYSIOPATHOLOGY

[Effect of Radix salviae miltiorrhize on blood volume of forearm following fracture of radius in rabbits (author's transl)] Hu MZ. **Chung Hua Wai Ko Tsa Chih** 1979; 17(1):33–6 **(Chi)**

[Approach to a definition of mal-union callus after Pouteau-Colles fractures (author's transl)] Fourrier P, et al. **Int Orthop** 1981;4(4):299–305 **(Fre)**

[Connection between deviated axis and impaired function after fractures of the forearm (author's transl)] Kuderna H. **Unfallchirurgie** 1980;6(1):7–13 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

[The significance of the fat line in front of the pronator quadratus muscle in x-ray diagnosis of fractures of the distal radius (author's transl)] Zhang TQ.
Chung Hua Fang She Hsueh Tsa Chih 1980;14(3):215–6 **(Chi)**

RADIONUCLIDE IMAGING

Bone scanning in the detection of occult fractures. Batillas J, et al. **J Trauma** 1981 Jul;21(7):564–9

REHABILITATION

[Creatine kinase and creatine in the blood serum of patients undergoing rehabilitation treatment due to posttraumatic immobilization of extremities (author's transl)] Scieszkowa M, et al. **Przegl Lek** 1980;37(5):457–61 (Eng. Abstr.) **(Pol)**

SURGERY

An analysis of hand function in patients with colles' fracture treated by Rush rod fixation. Lucas GL, et al.
Clin Orthop 1981 Mar-Apr;(155):172–9

Replacement of the radial head in the treatment of unstable elbow fractures. Harrington IJ, et al. **Injury** 1981 Mar; 12(5):405–12

Tension band wiring for fixation of comminuted fractures of the distal radius. Katznelson A, et al. **Injury** 1980 Nov; 12(3):239–42

Silastic prosthesis in fractures of the head of the radius: long term follow up. Martinelli B, et al.
Ital J Orthop Traumatol 1980 Dec;6(3):395–9

Distal radial fractures in the adult. Osborne F, et al.
J Arkansas Med Soc 1980 Sep;77(4):161–4

The management of segmental bone loss associated with forearm fractures. Grace TG, et al.
J Bone Joint Surg [Am] 1980 Oct;62(7):1150–5

Fracture of silastic radial-head prosthesis. Case report. Mayhall WS, et al. **J Bone Joint Surg [Am]** 1981 Mar; 63A(3):459–60

Silastic prosthetic replacement for the radial head. Morrey BF, et al. **J Bone Joint Surg [Am]** 1981 Mar;63A(3):454–8

Internal fixation of forearm diaphyseal fractures: double plating versus single compression (tension band) plating--a comparative study. Teipner WA, et al.
Orthop Clin North Am 1980 Jul;11(3):381–91

[Comparison between two methods of fixation with small splints for forearm fracture (author's transl)] Xu XX.
Chung Hua Wai Ko Tsa Chih 1979;17(2):108–11 **(Chi)**

[Surgical treatment of distal fractures of the radius (author's transl)] Steinmann R, et al. **Aktuel Traumatol** 1980 Aug; 10(4):185–96 (Eng. Abstr.) **(Ger)**

[Operative management of radius head fractures in children] Noodt H. **Chirurg** 1981 Jan;52(1):59–61 **(Ger)**

[Surgical treatment results in radius head fractures (author's transl)] Habekost HJ, et al. **Langenbecks Arch Chir** 1980; 351(2):105–9 (Eng. Abstr.) **(Ger)**

[Treatment of comminution fractures of the basis of the radius--an alternative way (author's transl)] Tittel K, et al. **Unfallchirurgie** 1980;6(3):159–61 (Eng. Abstr.) **(Ger)**

[Distraction of unstable distal comminuted radius fractures with an external fixation device: a new way of treatment] Jakob RP. **Z Unfallmed Berufskr** 1980;73(3):115–20 **(Ger)**

[Subluxatio antebrachii medialis] David J. **Zentralbl Chir** 1981;106(4):237–40 **(Ger)**

[Treatment of radial loco typico fractures with palmar displacement (author's transl)] László G, et al.
Magy Traumatol Orthop Helyreallito Sebesz 1980; 23(1):22–8 (Eng. Abstr.) **(Hun)**

[Technic for surgical reconstruction in comminuted fractures of the head of the radius] Firică A, et al.
Rev Chir [Chir] 1980 Nov-Dec;29(6):433–42 (Eng. Abstr.) **(Rum)**

[Smith's fracture] Perinović D. **Med Arh** 1980;34(1):61–6 **(Scr)**

THERAPY

Fractures of the upper limb. Part 2. Stevenson TM.
Aust Fam Physician 1980 Sep;9(9):606–21

Treatment of displaced segmental radial-head fractures. Long-term follow-up. Miller GK, et al.
J Bone Joint Surg [Am] 1981 Jun;63A(5):712–7

Fractures of the radial head and neck in children. Tibone JE, et al. **J Bone Joint Surg [Am]** 1981 Jan;63A(1):100–6

[Colles' fracture. Therapeutic principles - clinical and roentgenologic results] Matzen PF.
Beitr Orthop Traumatol 1981 Feb;28(2):106–9 (Eng. Abstr.) **(Ger)**

[Fractures of the head of the radius in childhood (author's transl)] Mommsen U, et al. **Langenbecks Arch Chir** 1980; 351(2):111–8 (Eng. Abstr.) **(Ger)**

[The Colles' fracture (author's transl)] Brennwald J, et al.
Ther Umsch 1980 Sep;37(9):743–6 (Eng. Abstr.) **(Ger)**

[Operative treatment of recent fractures of distal radius (author's transl)] Seiler H, et al. **Unfallheilkunde** 1981 Apr; 84(4):139–49 (Eng. Abstr.) **(Ger)**

[Fractures of the proximal and middle-third of the lower arm in childhood (author's transl)] Sauer HD, et al.
Z Kinderchir Grenzgeb 1980 Apr;29(4):357–63 (Eng. Abstr.) **(Ger)**

[Practical treatment of fractures of the distal radius] Oglaend P, et al. **Tidsskr Nor Laegeforen** 1981 Mar 30; 101(9–10):586–7 (Eng. Abstr.) **(Nor)**

[Use of retabolil and thyrocalcitonin in patients with diaphyseal fractures of the extremities] Alekseeva IM.
Ortop Travmatol Protez 1980 Dec;(12):57–8 **(Rus)**

VETERINARY

Internal fixation of an avulsion fracture off the lateral proximal radius in a horse. Hilbert BJ, et al.
Aust Vet J 1980 May;56(5):228–9

Fractures of the radius and ulna in a skeletally immature fin whale. Ogden JA, et al. **J Wildl Dis** 1981 Jan;17(1):111–6

Drug immobilization and anaesthesia of a lynx in connection with a broken leg. Oen EO. **Nord Vet Med** 1980 Jul-Aug; 32(7–8):318–20

Full Kirschner splint repair of a fractured radius in a foal. Wisner AB. **VM SAC** 1980 Jun;75(6):1045–7

RADON

Time-dependent 222Rn samples loss from small samples. Bates RC. **Health Phys** 1980 Nov;39(5):799–801

Radiological characteristics of 219Rn. Crawford DJ.
Health Phys 1980 Sep;39(3):449–61

Role of plateout in radon daughter mixture distributions in uranium mine atmospheres. Holub RF, et al.
Health Phys 1980 Nov;39(5):761–72

An inexpensive radon scintillation cell. Raghavayya M.
Health Phys 1981 Jun;40(6):894–6

A study of radon emitted from building materials using plastic alpha-track detectors. Abu-Jarad F, et al.
Phys Med Biol 1980 Jul;25(4):683–94

[Discovery of radon water deposits at Pyatigorsk health resort] Krivobokov NG.
Vopr Kurortol Fizioter Lech Fiz Kult 1980 Nov-Dec; (6):48–9 **(Rus)**

ADMINISTRATION & DOSAGE

[Radon inhalations applied in the treatment of eye fundus diseases (author's transl)] Ogielska E, et al. **Klin Oczna** 1981;83(3):179–80 (Eng. Abstr.) **(Pol)**

[Effect of drinking natural radon waters on the adaptation of ischemic heart disease patients to a local physical load] Alferova TV, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 1981 Jan-Feb;(1):61–2 **(Rus)**

[Method of freeze preparation and storage of batches of aqueous radon solutions for baths] Gusarov II, et al.
Vopr Kurortol Fizioter Lech Fiz Kult 1980 Nov-Dec; (6):54–7 **(Rus)**

[Use of radon baths of varying concentrations on IIB-stage hypertension patients (a clinical hemodynamic study)] L'vova NV. **Vopr Kurortol Fizioter Lech Fiz Kult** 1980 Jul-Aug;(4):53–6 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Health effects of radon from insulation of buildings. Cohen

BL. **Health Phys** 1980 Dec;39(6):937–41

A model for predicting lung cancer risks induced by environmental levels of radon daughters. Harley NH, et al. **Health Phys** 1981 Mar;40(3):307–16

Estimate of risk from environmental exposure to radon–222 and its decay products. Evans RD, et al. **Nature** 1981 Mar 12;290(5802):98–100

ANALYSIS

Passive integrating radon monitor for environmental monitoring. Alter HW, et al. **Health Phys** 1981 May; 40(5):693–702

Natural radioactivity of drinking water in Finland. Asikainen M, et al. **Health Phys** 1980 Jul;39(1):77–83

Uncertainties in the measurement of airborne radon daughters. Busigin A, et al. **Health Phys** 1980 Dec; 39(6):943–55

The nature of unattached RaA (218Po) particles. Busigin A, et al. **Health Phys** 1981 Mar;40(3):333–43

The role of radon in comparisons of effects of radioactivity releases from nuclear power, coal burning and phosphate mining. Cohen BL. **Health Phys** 1981 Jan;40(1):19–25

Mixtures of radon and thoron daughters in underground atmospheres. Coté P, et al. **Health Phys** 1981 Jan;40(1):5–17

Monitoring the exposure to radon decay products in mine air using passive track detectors. Domanski T, et al. **Health Phys** 1981 Feb;40(2):211–7

Efficiency of HV–70 filters for sampling short–lived radon daughters in atmospheric air. Eapen CD, et al. **Health Phys** 1980 Aug;39(2):354–8

Theoretical evaluation of radon emanation under a variety of conditions. Edwards JC, et al. **Health Phys** 1980 Aug; 39(2):263–74

Control of radon emantion from building materials by surface coating. Eichholz GG, et al. **Health Phys** 1980 Aug; 39(2):301–4

Dosimetry of environmental radon: methods and theory for low–dose, integrated measurements. Fleischer RL, et al. **Health Phys** 1980 Dec;39(6):957–62

Internal Radiation Doses from radioactivity of drinking water in Finland. Kahlos H, et al. **Health Phys** 1980 Jul; 39(1):108–11

Increase in ground level concentration of radon during a solar eclipse. Kotrappa P, et al. **Health Phys** 1981 Apr; 40(4):559–60

A four factor model for estimating human radiation exposure to radon daughters in the home. McCullough RS, et al. **Health Phys** 1981 Mar;40(3):299–305

Background concentrations of radon and radon daughters in Canadian homes. McGregor RG, et al. **Health Phys** 1980 Aug;39(2):285–9

Accumulation of atmospheric radon in calcite caves. Miki T, et al. **Health Phys** 1980 Aug;39(2):351–4

Monitoring for 228Ra in water supplies [letter] Mills WA, et al. **Health Phys** 1980 Dec;39(6):1003

An improved technique for measuring working levels of radon daughters in residences. Nazaroff WW. **Health Phys** 1980 Oct;39(4):683–6

Radon monitoring instrumentation. Perdue PT, et al. **Health Phys** 1980 Jul;39(1):85–8

Investigation on the suitability of various materials as 222Rn diffusion barriers. Pohl–Rüling J, et al. **Health Phys** 1980 Aug;39(2):299–301

Study of the 222Ra–short–lived daughter disequilibrium in a mixed maritime and continental atmosphere near granitic soils. Renoux A, et al. **Health Phys** 1980 Aug;39(2):291–8

Variations in radon working level with household conditions in a single family residence. Siegel JM, et al. **Health Phys** 1981 Mar;40(3):391–4

Radon in dwellings and influencing factors. Stranden E, et al. **Health Phys** 1980 Aug;39(2):275–84

Influence of inflight decay of radium–a in radon measurement by the double–filter method. Tymen G. **Health Phys** 1981 Feb;40(2):245–8

The influence of variations in the ventilation rate in rooms upon the respiratory dose from inhalation of radon daughters. Stranden E. **Phys Med Biol** 1979 Sep; 24(5):913–20

[Atmospheric pressure and precipitation effects on 222Rn concentration in tunnel air (author's transl)] Shimo M, et al. **Radioisotopes** 1980 Apr;29(4):181–3 **(Jpn)**

[Method of measurement of air concentration of Rn–222 by means of scintillation chambers] Chruścielewski W, et al. **Med Pr** 1980;31(2):83–9 (Eng. Abstr.) **(Pol)**

METABOLISM

Environmental radon and radon daughter dosimetry in the respiratory tract. McPherson RB. **Health Phys** 1980 Dec; 39(6):929–36

THERAPEUTIC USE

[Health and hygiene assessment of radiation factors in the therapeutic use of radon baths] Rymarchuk AA. **Voen Med Zh** 1981 Jan;(1):47–50 **(Rus)**

[Effect of the water temperature on body irradiation in taking radon baths] Andreev SV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Jan–Feb;(1):12–4 (Eng. Abstr.) **(Rus)**

[Results and developmental prospects of radon therapy in the USSR] Bogoliubov VM, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Jan–Feb;(1):3–9 (Eng. Abstr.) **(Rus)**

[Effectiveness of artifically prepared radon baths in chronic biliary tract and liver diseases in children] Karachevtseva TV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1980 Jul–Aug;(4):42–6 (Eng. Abstr.) **(Rus)**

[Current status of the radon therapy problem at Pyatigorsk health resort] Krivobokov NG, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Jan–Feb;(1):10–2 **(Rus)**

[Combined therapy, at the Belokurikha health resort, of rheumatoid arthritis including radon baths and collargol in small doses] Mariukha NP, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 May–Jun; (3):56–7 **(Rus)**

[High–frequency electromagnetic fields and radon baths in the treatment of rheumatism] Sorokina EI, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Jan–Feb; (1):56–60 (Eng. Abstr.) **(Rus)**

RAFFINOSE see under **OLIGOSACCHARIDES**

RAFOXANIDE see under **SALICYLAMIDES**

RAGE see under **ANGER**

RAILLIETINA see under **CESTODA**

RAILLIETINIASIS

OCCURRENCE

Four cases of parasitic infection by Raillietina (R.) celebensis (Kanicki, 1902) in French Polynesia. Rougier Y, et al. **Trans R Soc Trop Med Hyg** 1981;75(1):121

PARASITOLOGY

[3 cases of an unusual cestode infection in French Polynesia] Rougier Y, et al. **Bull Soc Pathol Exot Filiales** 1980 Jan–Feb;73(1):86–9 (Eng. Abstr.) **(Fre)**

RAILROADS

The Nuneaton derailment. Miller PJ. **Injury** 1980 Sep; 12(2):130–8

Death by railway accident: incidence of traumatic asphyxia. Hambeck W, et al. **J Trauma** 1981 Jan;21(1):28–31

Train accident victims in Johannesburg. A survey of patients at Baragwanath Hospital, November 1979 to April 1980. Addison AK. **S Afr Med J** 1981 May 9;59(20):721–2

[Prevention of eye diseases and injuries from the viewpoint of care and safety of railroad workers] Safirová M. **Cesk Oftalmol** 1980 Nov;36(6):418–22 (Eng. Abstr.) **(Cze)**

[Empirical studies of the stress of the Deutsche Reichsbahn power vehicle drivers for the purpose of optimizing the work schedules] Schenk S, et al. **Z Gesamte Hyg** 1980; 26(9):634–9 (Eng. Abstr.) **(Ger)**

[Ergonomic and occupational physiology problems of passenger train transportation under ground] Laurig W. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1981 Feb;31(2):46–54 **(Ger)**

[Airborne microflora found in some stations of the metro in the Hungarian capital of Budapest (author's transl)] Szám L, et al. **Zentralbl Bakteriol [B]** 1980 Feb;170(1–2):199–208 (Eng. Abstr.) **(Ger)**

[State of the dentition, periodontium and mucous membrane of workers in the Swidnica Railway Car Plant] Potoczek S, et al. **Czas Stomatol** 1981 Jan;34(1):1–4 (Eng. Abstr.) **(Pol)**

[Verification of the criteria of railroad noise] Koszarny Z, et al. **Rocz Panstw Zakl Hig** 1980;31(2):209–16 (Eng. Abstr.) **(Pol)**

[Experience in disinfecting the rubber handrails of the escalators in subways] Pisarenko GIa, et al. **Gig Sanit** 1981 Apr;(4):70–1 **(Rus)**

[Aerosol disinfection of passenger cars with peracetic acid solutions] Satdykov ShI, et al. **Gig Sanit** 1981 Mar;(3):80–1 **(Rus)**

[Disease–related loss of occupational fitness and social–occupational rehabilitation of railroad workers] Kucherenko VZ, et al. **Gig Tr Prof Zabol** 1980 Apr;(4):11–4 (Eng. Abstr.) **(Rus)**

[Correlation between the sympathetic–adrenal and cortical systems in dispatchers with peptic ulcer exposed to neuro–emotional stress] Vasil'ev VN. **Gig Tr Prof Zabol** 1981 Jun;(6):49–51 **(Rus)**

[Social hygiene characteristics of the temporary work incapacity of railroad workers in relation to lumbosacral radiculitis morbidity] Zavodnova ZI. **Gig Tr Prof Zabol** 1980 Nov;(11):49–52 **(Rus)**

[Horsefly fauna of Khabarosk Territory in a construction area of the Baikal–Amur mainline] Olsuf'ev NG, et al. **Med Parazitol (Mosk)** 1981 Jan–Feb;60(1):27–32 (Eng. Abstr.) **(Rus)**

[Nature of the hormonal interrelationships in the course of the menstrual cycle during the period of adaptation to the conditions along the Baikal–Amur mainline] Zimina AG, et al. **Sov Med** 1980;(8):54–8 (Eng. Abstr.) **(Rus)**

[Capacity for active reactions in a railroad injury incompatible with life] Vorob'ev IuV, et al. **Sud Med Ekspert** 1981 Jan–Mar;24(1):55 **(Rus)**

[Results of a study of natural foci of infection in the construction zone of the Baikal–-Amur Railway Line] Baroian OV, et al. **Vestn Akad Med Nauk SSSR** 1980; (10):20–3 (Eng. Abstr.) **(Rus)**

[Environment and the problem of maintaining the health of the population in the Baikal–Amur Main Line construction zone] Sedov KR. **Vestn Akad Med Nauk SSSR** 1981; (3):55–66 (Eng. Abstr.) **(Rus)**

[Late results in treating lumbosacral radiculitis (based on the findings of the Neurology Department of the L'vov Railroad Workers' Clinical Hospital)] Zavodnova ZI. **Zh Nevropatol Psikhiatr** 1980;80(8):1143–8 (Eng. Abstr.) **(Rus)**

HISTORY

[Evacuation of the wounded and sick by railroad in World War II] Baranovskii GIa, et al. **Voen Med Zh** 1981 Mar; (3):9–10 **(Rus)**

STANDARDS

Anthropometric study of Swedish engine drivers. Hedberg GE, et al. **Ergonomics** 1981 Apr;24(4):257–64

[Approaches to air pollutant standards in the passenger accomodations of railroad transportation] Gribanov OL, et al. **Gig Sanit** 1980 Aug;(8):17–9 (Eng. Abstr.) **(Rus)**

RALES see **RESPIRATORY SOUNDS**

RAMAN SPECTROSCOPY see **SPECTRUM ANALYSIS, RAMAN**

RANA see **RANIDAE**

RANA CATESBEIANA

ANATOMY & HISTOLOGY

Fine structure of the axon initial segment and the axon cap of the Mauthner cell in the bullfrog tadpole. Ito R. **Arch Histol Jpn** 1980 Aug;43(3):231–40

Renal microcirculation of the bullfrog, Rana catesbeiana. A scanning electron microscope study of vascular casts. Ohtani O, et al. **Arch Histol Jpn** 1980 Oct;43(4):319–30

Stabilization of amphibian and mammalian liver nuclei by zinc and other metal ions. Doyle MJ, et al. **Comp Biochem Physiol [C]** 1981;68C(2):115–20

The isolation of the green rod pigment of the frog, Rana catesbeiana. Makino M, et al. **FEBS Lett** 1980 Oct 6; 119(2):235–7

Biochemical and histochemical studies on catecholamines in bullfrog spinal ganglia. Kojima H, et al. **J Neurochem** 1981 Jun;36(6):2106–9

BLOOD

Changes in transferrin during the red cell replacement in amphibia. Valaitis AP, et al. **Dev Biol** 1980 Nov;80(1):56–63

Endocrine influence on hypercalcemic regulation in bullfrog tadpoles. Uchiyama M, et al. **Gen Comp Endocrinol** 1981 Aug;44(4):428–35

Oxygen equilibria of ectotherm blood containing multiple hemoglobins. Maginniss LA, et al. **Respir Physiol** 1980 Dec; 42(3):329–43

GROWTH & DEVELOPMENT

Action of thyroid hormones in premetamorphic tadpoles: an important role for thyroxine? Galton VA, et al. **Endocrinology** 1980 Dec;107(6):1820–6

Cellular quantitation of hemoglobin transition during natural and thyroid–hormone–induced metamorphosis of the bullfrog, Rana catesbeiana. Forman LJ, et al. **Gen Comp Endocrinol** 1981 May;44(1):1–12

Changes in specific prolactin binding in Rana catesbeiana Tadpole tissues during metamorphosis and following prolactin and thyroid–hormone treatment. Carr FE, et al. **Mol Cell Endocrinol** 1981 Jul;23(1):65–76

IMMUNOLOGY

Fixation of frog and guinea pig complement by antibodies from the bullfrog, Rana catesbeiana. Alexander RJ, et al. **Mol Immunol** 1980 Oct;17(10):1263–73

METABOLISM

Stimulation of HCO3– transport by gastric inhibitory peptide (GIP) in proximal duodenum of the bullfrog. Flemström G, et al. **Acta Physiol Scand** 1980 Jun;109(2):231–2

Ouabain binding to isolated frog gastric mucosa. France VM, et al. **Am J Physiol** 1981 Aug;241(2):G104–8

Oxygen transport in the bullfrog retina [letter] Tsacopoulos M, et al. **Exp Eye Res** 1980 Dec;31(6):725–8

Development of delta 5–3 beta–hydroxysteroid dehydrogenase activity in the interrenal gland of Rana catesbeiana. Hsu CY, et al. **Gen Comp Endocrinol** 1980 Oct; 42(2):167–70

Growth–promoting and antimetamorphic hormone in pituitary glands of bullfrogs. Kikuyama S, et al. **Gen Comp Endocrinol** 1980 Jun;41(2):212–6

Effect of temperature on the transport of triiodothyronine (T3) into liver nuclei of Rana catesbeiana tadpoles in Vivo. Toth E, et al. **Gen Comp Endocrinol** 1980 Sep;42(1):57–62

Calcium metabolism in bullfrog tadpoles (Rana catesbeiana). Baldwin GF, et al. **J Exp Biol** 1980 Oct;88:357–65

Absorption of protein molecules by the small intestine of the bullfrog tadpole, Rana catesbeiana. Sugimoto K, et al. **J Exp Zool** 1981 Jan;215(1):53–62

PHYSIOLOGY

Histamine receptor in bullfrog gastric mucosa. Hersey SJ. **Am J Physiol** 1981 Aug;241(2):G93–7

Temperature dependence of blood viscosity in frogs and turtles: effect on heat exchange with environment. Langille BL, et al. **Am J Physiol** 1980 Sep;239(3):R248–53

Effects of gonadotropin-releasing hormone on the levels of plasma gonadotropins (FSH and LH) in the bullfrog, Rana catesbeiana. Daniels E, et al. **Gen Comp Endocrinol** 1980 Dec;42(4):455–63

Possible involvement of dopamine in the release of prolactin-like hormone from bullfrog pituitary gland. Kikuyama S, et al. **Gen Comp Endocrinol** 1980 Jun; 41(2):173–9

Changes in amino acid metabolism and protein synthesis during spontaneous metamorphosis in the bullfrog tadpole liver. Kistler A, et al. **Int J Biochem** 1980;12(3):395–400

Selective enhancement and suppression of frog gustatory responses to amino acids. Yoshii K, et al. **J Gen Physiol** 1981 Apr;77(4):373–85

Potassium ion homeostasis in amphibian brain: contribution of active transport and oxidative metabolism. Sick TJ, et al. **J Neurophysiol** 1981 Jun;45(6):998–1012

Neural influences on bullfrog renal functions. Gallardo R, et al. **Proc Soc Exp Biol Med** 1980 Nov;165(2):233–40

RANA ESCULENTA

ANATOMY & HISTOLOGY

Microperoxisomes and catalase peroxidatic activity in the pancreas of two amphibian species (Salamandra salamandra L. and Rana esculenta L.). Trandaburu T. **Acta Histochem (Jena)** 1980;66(1):135–45

Changes in nuclear volume of Purkinje cells in the cerebellum of the water frog (Rana Esculenta L.) in the annual cycle. Dziubek K, et al. **Acta Morphol Acad Sci Hung** 1980; 28(1–2):3–9

METABOLISM

Substance P-related peptides in the hypothalamus of amphibia. Gaudino G, et al. **Cell Tissue Res** 1980; 211(2):241–50

The effect of thyroxine and triiodothyronine on glucose-6-phosphate and 6-phosphogluconate dehydrogenase activity in liver and fat body of the frog Rana esculenta. Kasprzyk A, et al. **Gen Comp Endocrinol** 1980 Nov;42(3):384–8

Seasonal variation in insulin and glucagon concentrations of Rana esculenta (L.). Schlaghecke R, et al. **Gen Comp Endocrinol** 1981 Apr;43(4):479–83

MICROBIOLOGY

Viral particles in the hepatocytes of Rana esculenta (L). Mişcalencu D, et al. **Virologie** 1981 Apr–Jun;32(2):123–5

PHYSIOLOGY

Role of eyes and pineal gland in melanophore response in the green frog. Rana esculenta. Saxena PK, et al. **Anat Anz** 1981;149(2):127–32

Influence of photoperiodism on high temperature-induced testicular recrudescence in the green frog. Di Matteo L, et al. **Experientia** 1981 Feb 15;37(2):149–50

A method for the in situ measurement of the electrical quantities in frog skin. Bianchi G, et al. **J Biochem Biophys Methods** 1979 May;1(2):91–104

A comparative study of oxygen toxicity in vertebrates. Barthelemy L, et al. **Respir Physiol** 1981 May;44(2):261–8

Chromatic subclasses of frog retinal ganglion cells: studies using black stimuli moving on a monochromatic background. Grüsser-Cornehls U, et al. **Vision Res** 1981; 21(4):469–78

Change of threshold after light-adaptation of the chromatic response of the frog's pineal organ (Stirnorgan). Meissl H, et al. **Vision Res** 1980;20(5):379–83

RANA PIPIENS

ANATOMY & HISTOLOGY

Distribution and morphometric quantitation of pancreatic endocrine cell types in the frog, Rana pipiens. Kaung HC, et al. **Anat Rec** 1980 Feb;196(2):173–81

The ultrastructural histochemistry and stereoscanning electron microscopy of the rodent and amphibian surfactant systems. Stratton CJ, et al. **Anat Rec** 1980 May;197(1):49–61

A stereotaxic atlas for diencephalic nuclei of the frog, Rana pipiens. Wada M, et al. **Arch Histol Jpn** 1980 May; 43(2):157–73

The internal horizontal cells of the frog retina: a morphometric analysis. Pierantoni R, et al. **Vision Res** 1980; 20(9):761–6

CEREBROSPINAL FLUID

Circulation of marker substances in the cerebrospinal fluid of an amphibian, Rana pipiens. Jones HC. **Cell Tissue Res** 1980;211(2):317–30

EMBRYOLOGY

Glycoprotein secretion by isolated Rana pipiens gastrula chordamesoderm. Kaska DD, et al. **Cell Differ** 1980 Oct; 9(5):281–90

The early ontogeny of hematopoietic cells studied by grafting cytogenetically labeled tissue anlagen: localization of a prospective stem cell compartment. Turpen JB, et al. **Dev Biol** 1981 Jul 15;85(1):99–112

Locomotion and adhesion of amphibian gastrula and neurula cells cultured on substrata of varied surface charge. Weinberger CP, et al. **Exp Cell Res** 1980 Dec;130(2):251–63

Carbohydrate-binding component of amphibian embryo cell surfaces: restriction to surface regions capable of cell adhesion. Roberson MM, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3460–3

Migration and replication of the germ cell line in Rana pipiens. Subtelny S. **Results Probl Cell Differ** 1980; 11:157–65

GENETICS

Inheritance of enzymes and blood proteins in the leopard frog, Rana pipiens: three linkage groups established. Wright DA, et al. **Biochem Genet** 1980 Jun;18(5–6):591–616

Dominant lethality in frog embryos after paternal treatment with triethylenemelamine: cytogenetics, morphology, and swimming capability. McKinnell RG, et al. **Environ Mutagen** 1979;1(3):221–31

The genetic basis of a dorsal color polymorphism in Rana pipiens. Fogleman JC, et al. **J Hered** 1980 Nov–Dec; 71(6):439–40

GROWTH & DEVELOPMENT

Ultrastructural events during early gonadal development in Rana pipiens and Xenopus laevis. Merchant-Larios R, et al. **Anat Rec** 1981 Mar;199(3):349–60

Cell population kinetics in tadpole limb epidermis during thyroxine-induced, spontaneous, and prolactin-inhibited metamorphosis. Wright ML, et al. **Gen Comp Endocrinol** 1981 Apr;43(4):451–61

METABOLISM

Location and release of TRH and 5-HT from amphibian skin. Bennett GW, et al. **Cell Biol Int Rep** 1981 Feb;5(2):151–8

Frogs produce a physiologically active compound from eicosapentaenoic acid. Herman CA, et al. **Prostaglandins** 1981 Feb;21(2):297–306

MICROBIOLOGY

Aeromonas hydrophila in wild-caught frogs and tadpoles (Rana pipiens) in Minnesota. Hird DW, et al. **Lab Anim Sci** 1981 Apr;31(2):166–9

PHYSIOLOGY

Effect of acclimation temperature and pH on contraction of frog sartorius muscle. Renaud JM, et al. **Am J Physiol** 1981 May;240(5):R301–9

Spinal sympathetic reflex and random activity in the isolated amphibian spinal cord. Undesser EK, et al. **Am J Physiol** 1981 May;240(5):R295–300

Vasotocin, prostaglandin, and female reproductive behavior in the frog, Rana pipiens. Diakow C, et al. **Horm Behav** 1981 Mar;15(1):86–93

pH dependence of the acetylcholine receptor channel: a species variation. Landau EM, et al. **J Gen Physiol** 1981 Jun;77(6):647–66

Surface ultrastructure of the cornea and adjacent epidermis during metamorphosis of Rana pipiens: a scanning electron microscopic study. Kaltenbach JC, et al. **J Morphol** 1980 Dec;166(3):323–35

Absence of lesions in the hypothalamus of frogs treated with gold thioglucose. Brown DF, et al. **Lab Anim** 1980 Jul; 14(3):203–4

Naloxone prevents dark-background adaptation in amphibians. Mennin SP, et al. **Neuroendocrinology** 1980 Dec;31(6):385–9

RANA RIDIBUNDA see under **RANIDAE**

RANA TEMPORARIA

EMBRYOLOGY

Somitogenesis in amphibian embryos. III. Effects of ambient temperature and of developmental stage upon pattern abnormalities that follow short temperature shocks. Cooke J, et al. **J Embryol Exp Morphol** 1980 Aug;58:107–18

IMMUNOLOGY

Preliminary report on skin allograft rejection in tadpoles and froglets of Rana temporaria. Płytycz B. **Dev Comp Immunol** 1980 Fall;4(4):747–52

METABOLISM

Immunohistochemical localisation of substances reactive to antisera against alpha- and beta-endorphin and met-enkephalin in the brain of Rana temporaria L. Doerr-Schott J, et al. **Cell Tissue Res** 1981;217(1):79–92

Hepatic mixed function oxidase (MFO) activities during the seasonal life cycle of the frog, Rana temporaria. Harri MN. **Comp Biochem Physiol [C]** 1980;67C(1):75–8

RANDOM ALLOCATION see under **RESEARCH DESIGN**

RANIDAE

ANATOMY & HISTOLOGY

Mucous glands of the skin of Rana ridibunda. A histochemical and ultrastructural study. Dominguez E, et al. **Basic Appl Histochem** 1981;25(1):15–22

The structure of segments of the anisotropic band of muscle. II. Preparation and properties of A segments from vertebrate skeletal muscle. Wilson FJ, et al. **Cell Tissue Res** 1980;212(2):213–23

BLOOD

Plasma albumin patterns of the species Rana ridibunda in Greece. Kyriakopoulou-Sklavounou P. **Experientia** 1980 Oct 15;36(10):1171–2

EMBRYOLOGY

Research on some severe morphological alterations in Bufo and Rana embryos induced by a magnetic field. Bondi C, et al. **Riv Biol** 1979 Jan–Jun;72(1–2):91–107 **(Eng, Ita)**

Effect of heterospecific DNA on the development of Rana nigromaculata. Shi LJ, et al. **Sci Sin** 1981 Mar;24(3):402–6

GENETICS

Genetic control for sibling recognition? Blaustein AR, et al. **Nature** 1981 Mar 19;290(5803):246–8

GROWTH & DEVELOPMENT

Stereological study of the frog, Rana lessonae Cam. Liver melanization. Ziemnicki K, et al. **Acta Med Pol** 1980; 21(4):419–20

METABOLISM

Histochemical study on the tongue of Rana ridibunda (anuran amphibian). Navas P, et al. **Folia Histochem Cytochem (Krakow)** 1981;19(1):39–45

Autoradiographic study of catecholamine metabolism in amphibian dermis. Hadjioloff AI, et al. **Folia Morphol (Praha)** 1981;29(1):56–8

203Hg binding in the liver and kidney of the frog, Rana tigrina. Mehra RK, et al. **Toxicol Lett** 1980 Jun;6(1):37–41

MICROBIOLOGY

Lethal toxicity of arthropod iridoviruses to an amphibian, Rana limnocharis. Ohba M, et al. **Arch Virol** 1981; 68(2):153–6

Isolation of Salmonellae from wall lizards and non agglutinating vibrios from frogs. Gupta BR, et al. **J Commun Dis** 1980 Sep;12(3):148–50

[Isolation of pathogenic leptospirae from frog urine and kidneys (author's transl)] Wang DQ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1980 Nov; 14(4):221–2 **(Chi)**

PHYSIOLOGY

Comparison of several parameters related to the secretory activity of the subcommissural organ in European green frogs. Diederen JH, et al. **Cell Tissue Res** 1980; 212(3):383–94

In vitro study of frog (Rana ridibunda Pallas) interrenal function by use of a simplified perifusion system. III. Influence of previous hypophysectomy or dexamethasone treatment of donors upon corticosterone and aldosterone production. Leboulenger F, et al. **Gen Comp Endocrinol** 1980 Nov;42(3):389–400

A theoretical proposal to account for visual computation in a frog's retina. Moreno-Díaz R, et al. **Int J Biomed Comput** 1980 Sep;11(5):415–26

pH dependence of the acetylcholine receptor channel: a species variation. Landau EM, et al. **J Gen Physiol** 1981 Jun;77(6):647–66

Behavioural response of Rana cyanophylictis tadpole exposed to changes in dissolved oxygen concentration. Marian MP, et al. **Physiol Behav** 1980 Jul;25(1):35–8

Internal fertilization in an oviparous frog. Townsend DS, et al. **Science** 1981 Apr 24;212(4493):469–71

The acute toxicity of endosulfan to fresh-water organisms. Gopal K, et al. **Toxicol Lett** 1981 Mar;7(6):453–6

RANULA

ANALYSIS

[Clinical and histological studies of oral mucous cyst (author's transl)] Ishida S. **Kokubyo Gakkai Zasshi** 1980 Dec; 47(4):447–64 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Unusual cystic pleomorphic adenoma of the submandibular gland presenting as a ranula: report of a case with immunohistochemical demonstration of carcinoembryonic antigen. Ide F, et al. **J Nihon Univ Sch Dent** 1980 Oct;

22(3):115–23

RANVIER'S NODES

ANALYSIS

The localization of sodium and calcium to schwann cell paranodal loops at nodes of Ranvier and of calcium to compact myelin. Ellisman MH, et al. **J Neurocytol** 1980 Apr;9(2):185–205

ANATOMY & HISTOLOGY

The precise geometry of large internodes. Friede RL, et al. **J Neurol Sci** 1980 Dec;48(3):367–81

How is the exact length of an internode determined. Friede RL, et al. **J Neurol Sci** 1981 May;50(2):217–28

DRUG EFFECTS

Barbiturates: active form and site of action at node of Ranvier sodium channels. Kendig JJ. **J Pharmacol Exp Ther** 1981 Jul;218(1):175–81

Block of Na current and intramembrane charge movment in myelinated nerve fibres poisoned with a vegetable toxin. Dubois JM, et al. **Nature** 1981 Feb 19;289(5799):685–8

Electrophysiological effects of morphine on the node of Ranvier. Mitolo-Chieppa D, et al. **Neuropharmacology** 1980 Aug;19(8):741–3

[Effect of changes in the external concentration of sodium, chlorine, and potassium ions on subsequent depolarization of a single node of Ranvier of isolated nerve fibers] Katalymov LL. **Fiziol Zh SSSR** 1980 Aug;66(8):1187–92 (Eng. Abstr.) **(Rus)**

[Kinetics of sodium current decay during normal axon membrane repolarization and in the presence of scorpion toxin] Mozhaeva GN, et al. **Neirofiziologiia** 1980; 12(5):541–9 (Eng. Abstr.) **(Rus)**

[Features of the kinetic and stationary characteristics of aconitine-modified sodium channels] Mozhaeva GN, et al. **Neirofiziologiia** 1980;12(6):612–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Binding of horseradish peroxidase–alpha-bungarotoxin to axonal membranes at the node of Ranvier. Freedman SD, et al. **J Comp Neurol** 1980 Sep 1;193(1):179–85

[Kinetics of the reaction between scorpion toxin and the sodium channels of nodes of Ranvier] Mozhaeva GN, et al. **Neirofiziologiia** 1980;12(6):619–26 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Interaction of polymyxin with vertebrate peripheral nerve axons. Kendig JJ, et al. **Biochem Biophys Res Commun** 1980 Nov 17;97(1):75–80

Covariance of nonstationary sodium current fluctuations at the node of Ranvier. Sigworth FJ. **Biophys J** 1981 Apr; 34(1):111–33

Development of axonal membrane specializations defines nodes of Ranvier and precedes Schwann cell myelin elaboration. Wiley-Livingston C, et al. **Dev Biol** 1980 Oct; 79(2):334–55

The Cole-Moore effect in nodal membrane of the frog Rana ridibunda: evidence for fast and slow potassium channels. Ilyin VI, et al. **J Membr Biol** 1980 Dec 30;57(3):179–93

Membrane current and noise measurements in voltage-clamped node of Ranvier. van den Berg RJ, et al. **J Membr Biol** 1980 Dec 30;57(3):213–21

Asymmetry currents in the mammalian myelinated nerve. Chiu SY. **J Physiol (Lond)** 1980 Dec;309:499–519

The conductance of sodium channels under conditions of reduced current at the node of Ranvier. Sigworth FJ. **J Physiol (Lond)** 1980 Oct;307:131–42

The variance of sodium current fluctuations at the node of Ranvier. Sigworth FJ. **J Physiol (Lond)** 1980 Oct; 307:97–129

Potassium channels in the nodal membrane of rat myelinated fibres. Binah O, et al. **Nature** 1981 Apr 16; 290(5807):598–600

Clustering of ion channels at the node of Ranvier [news] Fritz LC, et al. **Nature** 1981 May 21;291(5812):190

ULTRASTRUCTURE

The node of Ranvier in early Wallerian degeneration: a freeze-fracture study. Abrahams PH, et al. **Acta Neuropathol (Berl)** 1981 Jun;54(2):95–100

Remyelination following viral-induced demyelination: ferric ion-ferrocyanide staining of nodes of Ranvier within the CNS. Weiner LP, et al. **Ann Neurol** 1980 Dec;8(6):580–3

Ultrastructural observations on nodes of Ranvier from isolated single frog peripheral nerve fibres. Uhrík B, et al. **Brain Res** 1981 Jun 29;215(1-2):93–101

RAPE

Emergency care of rape victims [letter] Guzzardi LJ, et al. **Ann Emerg Med** 1980 Dec;9(12):649

Sexual behavior of assailants during reported rapes. Holmstrom LL, et al. **Arch Sex Behav** 1980 Oct;9(5):427–39

Rape fantasies as a function of exposure to violent sexual stimuli. Malamuth NM. **Arch Sex Behav** 1981 Feb; 10(1):33–47

Victim emotional response: effects on social reaction to victims of rape. Calhoun LG, et al. **Br J Soc Psychol** 1981 Feb;20(Pt 1):17–21

A comparison of alcoholics and non-alcholics charged with rape. Barnard GW, et al. **Bull Am Acad Psychiatry Law** 1979;7(4):432–45

Role-playing in a rape crisis center. Davenport J 3d, et al. **Health Soc Work** 1980 May;5(2):65–8

Sexual arousal to rape and consenting depictions: the importance of the woman's arousal. Malamuth NM, et al. **J Abnorm Psychol** 1980 Dec;89(6):763–6

Life change and rape impact. Ruch LO, et al. **J Health Soc Behav** 1980 Sep;21(3):248–60

The establishment of a treatment center for victims of rape. Bradham GB. **J SC Med Assoc** 1981 Jun;77(6):283–6

Responsibility of a rape victim in relation to her respectability, attractiveness, and provocativeness. Kanekar S, et al. **J Soc Psychol** 1980 Oct;112(First Half):153–4

Prenatal identification of paternity. HLA typing helpful after rape. Pollack MS, et al. **JAMA** 1980 Oct 24–31; 244(17):1954–6

Rape--a comparison of group offences and lone assaults. Wright R, et al. **Med Sci Law** 1981 Jan;21(1):25–30

The role of the nurse in the care of sexual assault victims. Moynihan BA, et al. **Nurs Clin North Am** 1981 Mar; 16(1):95–100

How nursing students' reactions to rape victims are affected by a perceived act of carelessness. Damrosch SP. **Nurs Res** 1981 May-Jun;30(3):168–70

Sexual misuse: rape, molestation, and incest. Woodling BA, et al. **Pediatr Clin North Am** 1981 May;28(2):481–99

Cognitive modification of obsessive thinking in a rape victim: a preliminary study. Forman BD. **Psychol Rep** 1980 Dec; 47(3 Pt 1):819–22

Reactions to rape--the need for a social context. Lazarus JR. **S Afr Med J** 1981 Mar 21;59(13):462–4 (20 ref.)

Current concepts of rape victim management. Raynal A, et al. **S Afr Med J** 1981 Jan 31;59(5):144–6 (35 ref.)

Some factors for analysis in sexual assault. Schneider DJ, et al. **Soc Sci Med [a]** 1981 Jan;15A(1):55–61

Examination and treatment of the male rape victim. Schiff AF. **South Med J** 1980 Nov;73(11):1498–502

[Rape, an approach to the raped woman] Ostaptzeff GM, et al. **Ann Med Psychol (Paris)** 1980 Dec;138(10):1226–36 **(Fre)**

[A rapist-murderer guillotined in 1969. Comments on the state of his brain] Rondepierre J. **Ann Med Psychol (Paris)** 1980 Dec;138(10):1237 **(Fre)**

[Subtotal demolition of the uterus and subsequent pregnancy (author's transl)] Kopp RP, et al. **Zentralbl Gynaekol** 1980; 102(22):1326–8 (Eng. Abstr.) **(Ger)**

LEGISLATION & JURISPRUDENCE

The effect of sexual stratification by race on official reactions to rape. LaFree GD. **Am Sociol Rev** 1980 Oct;45(5):842–54

In the matter of PAAR: rape counseling and problems of confidentiality. Appelbaum PS, et al. **Hosp Community Psychiatry** 1981 Jul;32(7):461–2

State of Oregon v. Rideout-can husband rape wife? Schiff AF. **Med Trial Tech Q** 1980 Winter-Spring;27:49–56

RAPESEED see **BRASSICA**

RAPHE NUCLEI see under **BRAIN STEM**

RAPID EYE MOVEMENTS see **SLEEP, REM**

RARE BOOKS

An examination of characteristics related to success of friends groups in medical school rare book libraries. Mueller MH, et al. **Bull Med Libr Assoc** 1981 Jan;69(1):9–13

HISTORY

[Old medical books in the Capitular Library in Przemyśl] Czeley-Wybieralska M, et al. **Arch Hist Med (Warsz)** 1980; 43(1):103–6 **(Pol)**

RARE GASES see **GASES, RARE**

RAT NEMATODE see **NIPPOSTRONGYLUS**

RATE SETTING AND REVIEW

Rate review: a look at state programs. Guncheon KF. **Hospitals** 1980 Nov 1;54(21):99–101

Rate setting promotes interdepartmental cooperation in QA. Miccio BL. **Hospitals** 1981 Jun 1;55(11):83–5

LEGISLATION & JURISPRUDENCE

The Medicare section 223 schedule of limits: a continuing struggle. Goldblatt SJ. **Health Care Manage Rev** 1980 Spring;5(2):35–9

PSRO reimbursement tightened. Bloom MZ, et al. **Hospitals** 1980 Nov 1;54(21):31–2

The process of hospital rate regulation: the New York experience. Ruchlin HS, et al. **Inquiry** 1981 Spring; 18(1):70–8

Hospital costs under state rate-setting programs [letter] **N Engl J Med** 1981 Feb 12;304(7):428–31

Peer review, foundation restraints serve public. Speaker F. **Pa Med** 1980 Nov;83(11):15–6

METHODS

How some states weather high cost of hospital care. Boyles WR. **Forum (Wash)** 1981 Apr;5(1):22–6

What is a DRG? Haley MJ. **Top Health Care Financ** 1980 Summer;6(4):55–61

TRENDS

A futuristic look at cost and rate controls. Silver AP. **Top Health Care Financ** 1981 Summer;7(4):57–67

RATIONALIZATION see under **DEFENSE MECHANISMS**

RATS

see related **RODENT CONTROL**

Scanning electron microscopy of experimentally induced pyelonephritis in the rat. Appleton JA, et al. **Am J Vet Res** 1981 Feb;42(2):351–5

Selection of a strain of rats with spontaneous high cholesterolemia. Boissel JP, et al. **Atherosclerosis** 1981 Apr; 39(1):11–8

A natural food aversion in Norway rats and in house mice. Carr WJ, et al. **Behav Neural Biol** 1981 Mar;31(3):314–23

Acute and chronic LSD effects on rat startle: data supporting an LSD--rat model of schizophrenia. Braff DL, et al. **Biol Psychiatry** 1980 Dec;15(6):909–16

Spontaneous fibrous histiocytic neoplasms in rats. Greaves P, et al. **Br J Cancer** 1981 Mar;43(3):402–11

Application of a percutaneous transhepatic cholangiofiberscope for endoscopic examination of the esophagus in rats. Morino K, et al. **Gan** 1980 Oct; 71(5):735–6

The effect of pindolol and salmon calcitonin on experimental gastric ulcers in rats. Ohnaus EE, et al. **Hepatogastroenterology** 1980 Apr;27(2):141–5

Long term parenteral infusion in the rat: a new technique. Kerr SJ, et al. **Invest Urol** 1981 Jul;19(1):24

Nutritive value of green or yellow foxtail, wild oats, wild buckwheat or redroot pigweed seed as determined with the rat. Harrold RL, et al. **J Anim Sci** 1980 Jul;51(1):127–31

Naturally acquired rabies in an eastern wood rat (Neotoma floridana). Dowda H, et al. **J Clin Microbiol** 1981 Jan; 13(1):238–9

The effect of excess dietary copper on plasma enzyme activity and on the copper content of the blood of the male rat. Haywood S, et al. **J Comp Pathol** 1980 Apr; 90(2):233–8

The effect of excess dietary copper on the liver and kidney of the male rat. Haywood S. **J Comp Pathol** 1980 Apr; 90(2):217–32

Ultrastructure of spontaneous pituitary neoplasms in the rat. Majeed SK, et al. **J Comp Pathol** 1980 Apr;90(2):239–46

Ultrastructure of casein in the stomach and duodenum of infant rats at different ages of suckling. Berendsen PB. **J Dairy Sci** 1980 Aug;63(8):1224–9

The replication of type A influenza viruses in the infant rat: a marker for virus attenuation. Jennings R, et al. **J Gen Virol** 1980 Aug;49(2):343–54

Dietary factors affecting rats used in aging research: a reply [letter] Goodrick CL. **J Gerontol** 1980 May;35(3):442–3

Histopathological profile of a Wistar rat stock including a survey of the literature. Kroes R, et al. **J Gerontol** 1981 May;36(3):259–79

The response of the Egyptian spiny mouse (Acomys cahirinus) and two other species of commensal rodents to anticoagulant rodenticides. Mahmoud W, et al. **J Hyg (Lond)** 1981 Jun;86(3):329–34

Field trials of bromadiolone against infestations of warfarin-resistant Rattus norvegicus. Richards CG. **J Hyg (Lond)** 1981 Jun;86(3):363–7

Pathological observations on natural cases of sialodacryoadenitis of rats. Doi K, et al. **Jikken Dobutsu** 1980 Oct;29(4):419–26

Spontaneous nephroblastoma in Sprague-Dawley rats. Iida M, et al. **Jikken Dobutsu** 1981 Jan;30(1):31–4

Isolation and properties of sialodacryoadenitis virus of rats. Kojima A, et al. **Jikken Dobutsu** 1980 Oct;29(4):409–18

Annual fluctuation of Schistosoma japonicum infection in field rats, Rattus rattus mindanensis, in Dagami, Leyte, Philippines. Kamiya H, et al. **Jpn J Exp Med** 1980 Oct; 50(5):375–82

Evaluation of a scavenging system for use with inhalation anaesthesia techniques in rats. Glen JB, et al. **Lab Anim** 1980 Jul;14(3):207–11

Ultrastructural features of spironucleosis (hexamitiasis) in x-irradiated rat small intestine. Gruber HE, et al. **Lab Anim** 1979 Jul;13(3):199–202

Naturally acquired infections of Klebsiella pneumoniae in Wistar rats. Jackson NN, et al. **Lab Anim** 1980 Oct; 14(4):357–61

Continuous long-term intravenous infusion in the unrestrained rat - a novel technique. Jones PA, et al. **Lab Anim** 1981 Jan;15(1):29–33

A device for the rapid anaesthesia of wild rats. Redfern R, et al. **Lab Anim** 1979 Jul;13(3):187–8

Facultative Pasteurella ophthalmitis in Hooded Lister rats. Roberts SA, et al. **Lab Anim** 1980 Oct;14(4):323–4

Differentiation of various experimentally-induced patholgical processes in Wistar rats by serum protein electrophoresis

using cellulose-acetate membranes. Rothkopf-Ischebeck M. **Lab Anim** 1980 Apr;14(2):153-65
Bile collection in free moving rats. Balabaud C, et al. **Lab Anim Sci** 1981 Jun;31(3):273-5
Chromodacryorrhea in laboratory rats (Rattus norvegicus): etiologic considerations. Harkness JE, et al. **Lab Anim Sci** 1980 Oct;30(5):841-4
Improved endotracheal intubation technique in the rat. Peña H, et al. **Lab Anim Sci** 1980 Aug;30(4 Pt 1):712-3
Demodicidosis in laboratory rats (Rattus norvegicus). Walberg JA, et al. **Lab Anim Sci** 1981 Feb;31(1):60-2
Spontaneous gastric erosions and ulcerations in BB Wistar rats. Wright JR Jr, et al. **Lab Anim Sci** 1981 Feb;31(1):63-6
Urban rat control--United States. **MMWR** 1981 May 8; 30(17):205-7
Urban rat control--United States. **MMWR** 1981 Jun 26; 30(24):301-3
Pathology of experimental atherosclerosis: changes of acute phase in rats loaded with vitamin D2 and cholesterol. Okawa H, et al. **Nippon Juigaku Zasshi** 1980 Dec; 42(6):623-33
Spontaneous immunoglomerulonephritis in Wistar rats. Fridman-Manduzio A, et al. **Pathol Res Pract** 1980; 167(2-4):301-12
Effects of Fasciola hepatica infection on responses of rats to reinfection with Salmonella dublin. Aitken MM, et al. **Res Vet Sci** 1980 Mar;28(2):250-3
Successful passive transfer of resistance to Fasciola hepatica infection in rats by immune serum and transfer factor. Mitchell GB, et al. **Res Vet Sci** 1981 Mar;30(2):246-7
Enzyme assay for detecting resistance to reinfection with the liver fluke Fasciola hepatica in rats. Rajasekariah GR, et al. **Res Vet Sci** 1980 Jul;29(1):124-5
Study of the comparative frequencies of spontaneous malformations in Sprague Dawley and Wistar rats. Beltrame D, et al. **Riv Biol** 1979 Jul-Dec;72(3-4):257-307 **(Eng, Ita)**
Experimentally induced cerebral aneurysms in rats: Part VI. Hypertension. Nagata I, et al. **Surg Neurol** 1980 Dec; 14(6):477-9
Neoplastic and nonneoplastic lesions in aging Osborne-Mendel rats. Goodman DG, et al. **Toxicol Appl Pharmacol** 1980 Sep 30;55(3):433-47
Short-term effects of dietary nitrilotriacetic acid in the male Charles River rat kidney. Alden CL, et al. **Vet Pathol** 1981 Jul;18(4):549-59
Radicular myelinopathy in aging rats. Krinke G, et al. **Vet Pathol** 1981 May;18(3):335-41
Pasteurella multocida infection of poultry farm rats. Curtis PE, et al. **Vet Rec** 1980 Oct 4;107(14):326-7
[Variability of the dose effect in the radio-biologic experimentation on animals. Fourth communication: influence of group sizes (cage effect) in the radio-biologic experimentation on animals (author's transl)] Peters K, et al. **Strahlentherapie** 1981 Mar;157(3):191-207 (Eng. Abstr.) **(Ger)**
[A technic for parenteral feeding in a rat model] Futtig D, et al. **Z Exp Chir** 1980;13(4):250-2 (Eng. Abstr.) **(Ger)**
[Evaluation of the presence of warfarin-resistant rats in the city of Reggio Calabria] Alessandroni P, et al. **Ann Ist Super Sanita** 1980;16(2):271-86 (Eng. Abstr.) **(Ita)**
[Fighting behavior of Rattus norvegicus] Pescetto G, et al. **Riv Neurobiol** 1979 Jan-Mar;25(1):19-37 (Eng. Abstr.) **(Ita)**
[Interpretive model of the territorial behavior of Rattus norvegicus] Pescetto G, et al. **Riv Neurobiol** 1979 Jan-Mar; 25(1):5-18 (Eng. Abstr.) **(Ita)**
[A simplified method for detection of visual abnormality in the rat in a reproduction study (author's transl)] Kaneko Y, et al. **Jikken Dobutsu** 1980 Oct;29(4):397-400 (Eng. Abstr.) **(Jpn)**
[Maternal and fetal response to hemorrhagic anemia during organogenesis in rats] Matsubara Y, et al. **Jikken Dobutsu** 1981 Jan;30(1):15-20 (Eng. Abstr.) **(Jpn)**
[Means of restricting the movements of conscious rats in neurophysiologic experiments] Girman SV. **Zh Vyssh Nerv Deiat** 1980 Sep-Oct;30(5):1087-9 **(Rus)**

ANATOMY & HISTOLOGY

Dense bodies in bronchiolar ciliated cells of rats. Baert JH, et al. **Acta Anat (Basel)** 1981 Mar;109(3):275-9
The fine structure of placental junctional zone cells during prolonged pregnancy in rats. Jollie WP, et al. **Acta Anat (Basel)** 1979;105(4):386-400
Studies on orthocephalization. VII. Behavior of the rat cranial frame in the period between 1 day before birth to 14 days after birth. Vilmann H, et al. **Acta Anat (Basel)** 1981 Feb;109(2):157-60
Changes with age in the peripheral nerves of the rat. An ultrastructural study. Thomas PK, et al. **Acta Neuropathol (Berl)** 1980;52(1):1-6
Adipocyte development in the rat hypodermis. Hausman GJ, et al. **Am J Anat** 1981 May;161(1):85-100
Freeze-fracture study of rat ventral prostate: the columnar epithelial cell. Kachar B, et al. **Am J Anat** 1981 May; 161(1):49-69
Ultrastructure of the clear cell lining the epididymal lumen of the rat. Anand Kumar TC, et al. **Anat Anz** 1980; 147(3):220-30
Morphological and histochemical aspects of the nasal glands in the rat. Klaassen AB, et al. **Anat Anz** 1981;149(1):51-63
Postnatal development of masticatory organs in rats. I. consecutive changes in histochemical properties and diameter of muscle fibers of the M. masseter superficialis. Maeda N, et al. **Anat Anz** 1981;149(4):319-28
The nucleus paragigantocellularis lateralis in the rat. Conformation and cytology. Andrezik JA, et al. **Anat Embryol (Berl)** 1981;161(4):355-71
The nucleus paragigantocellularis lateralis in the rat. Demonstration of afferents by the retrograde transport of horseradish peroxidase. Andrezik JA, et al. **Anat Embryol (Berl)** 1981;161(4):373-90
The sternomastoid muscle of the rat and its innervation. Muscle fiber composition, perikarya and axons of efferent and afferent neurons. Gottschall J, et al. **Anat Embryol (Berl)** 1980;160(3):285-300
The diaphragm of the rat and its innervation. Muscle fiber composition; perikarya and axons of efferent and afferent neurons. Gottschall J. **Anat Embryol (Berl)** 1981; 161(4):405-17
Anatomy and blood supply of the coeliac-superior mesenteric ganglion complex of the rat. Hamer DW, et al. **Anat Embryol (Berl)** 1981;162(3):353-62
A quantitative EM autoradiographic study of the commissural and associational connections of the dentate gyrus in the rat. Kishi K, et al. **Anat Embryol (Berl)** 1980; 160(2):173-86
Ciliated neurons in supraoptic nucleus of rat hypothalamus during neonatal period. Lafarga M, et al. **Anat Embryol (Berl)** 1980;160(1):29-38
On the developing rat placenta. I. Differentiation and junctional alterations of labyrinthine layers II and III. Metz J. **Anat Embryol (Berl)** 1980;159(3):289-305
Innervation of the liver in guinea pig and rat. Metz W, et al. **Anat Embryol (Berl)** 1980;160(3):239-52
Evidence for the sprouting of the associational fibers to the dentate gyrus following removal of the commissural afferents in adult rats. O'Leary DD, et al. **Anat Embryol (Berl)** 1980;159(2):151-61
Tridimensional study of the deep cortex of the rat lymph node. V: Postnatal development of the deep cortex units. Bélisle C, et al. **Anat Rec** 1981 Jun;200(2):207-20
Ultrastructural study of the embryonic development in the rat pineal gland. Calvo J, et al. **Anat Rec** 1981 Apr; 199(4):543-53
Three dimensional arrangement of mitochondria and endoplasmic reticulum in the heart muscle fiber of the rat. Segretain D, et al. **Anat Rec** 1981 Jun;200(2):139-51
The ultrastructural histochemistry and stereoscanning electron microscopy of the rodent and amphibian surfactant systems. Stratton CJ, et al. **Anat Rec** 1980 May;197(1):49-61
Morphologic cerebral cortical asymmetry in male and female rats. Diamond MC, et al. **Exp Neurol** 1981 Feb;71(2):261-8
The plasma volume of the Wistar rat in relation to the body weight. Bijsterbosch MK, et al. **Experientia** 1981 Apr 15; 37(4):381-2
Seminal vesicles in the white rat (a contribution to anatomy of the rat). Gościcka D, et al. **Folia Morphol (Warsz)** 1980; 39(2):181-9
A technique for chronic cannulation of the lateral cerebral ventricle in Mastomys natalensis. Shukla R, et al. **Indian J Exp Biol** 1981 Jan;19(1):97-8
Observations on preadipocytes and their distribution patterns in rat adipose tissue. Askew EW, et al. **J Morphol** 1981 Jun;168(3):281-8
Bronchus-associated lymphoid tissue (BALT) in the laboratory-bred and wild rat, Rattus norvegicus. Gregson RL, et al. **Lab Anim** 1979 Jul;13(3):239-43
Nephrocalcinosis in 2 young rats: a case report. Silverman J, et al. **Lab Anim** 1980 Jul;14(3):241-2
Body and organ size and composition during the breeding cycle of rats (Rattus norvegicus). Remesar X, et al. **Lab Anim Sci** 1981 Feb;31(1):67-70
The superior and inferior salivatory nuclei in the rat. Nicholson JE, et al. **Neurosci Lett** 1981 Jan 20;21(2):149-54
Subdivisional organization of the trigeminal ganglion in the rat and duck. Kawabata N. **Okajimas Folia Anat Jpn** 1981 Mar;57(6):387-402
Physicochemical and ultrastructural studies on glycogenosomes in newborn rat hepatocytes. Iwamasa T, et al. **Pathol Res Pract** 1980;167(2-4):363-73
An investigation into the fine structure of the ligated rat ureter. Staubesand J, et al. **Pathol Res Pract** 1980; 167(2-4):234-46
A rapid method for the regional dissection of the rat brain. Heffner TG, et al. **Pharmacol Biochem Behav** 1980 Sep; 13(3):453-6
Spontaneous degenerative lesions of peripheral nerves in aging rats. Cotard-Bartley MP, et al. **Vet Pathol** 1981 Jan; 18(1):110-3
Cytochemical studies on peroxisomes in rat and guinea pig myocardium. Asano G, et al. **Virchows Arch [Cell Pathol]** 1980;34(3):205-12
Ultrastructural observations on bifurcations in rat cerebral arteries. 1. Young and aging rats. Kojimahara M, et al. **Virchows Arch [Cell Pathol]** 1980;34(1):21-32
Cell proliferation at different sites along the length of the rat colon. Sunter JP, et al. **Virchows Arch [Cell Pathol]** 1979 Dec;32(1):75-87
The histomorphology of pancreatic islets in the bandicoot, Bandicota bengalensis (Gray). Kumar VR, et al. **Z Mikrosk Anat Forsch** 1980;94(4):743-8
[Intramedullary topography of the motor neurons of the brachial plexus of the rat. Preliminary study] Baulac M, et al. **Bull Assoc Anat (Nancy)** 1979 Jun;63(181):175-84 (Eng. Abstr.) **(Fre)**
[Anatomical characteristics of intrarenal arterial vascularization in the elderly rat] Casellas D, et al. **J Urol Nephrol (Paris)** 1979 Dec;85(12):851-5 **(Fre)**
[Fluorescence histochemical and neurohistological investigations on the locus coeruleus of the rat (author's transl)] Pfister C, et al. **Acta Histochem (Jena)** 1980; 66(1):101-13 (Eng. Abstr.) **(Ger)**
[Musculi longus capitis et splenius of the rat and innervating motoneurons (author's transl)] Stillhard G. **Acta Neuropathol (Berl)** 1981;53(4):267-74 (Eng. Abstr.) **(Ger)**
[Contribution to the study of the cervical lymphatic system of the young and adult white rats (Rattus norvegicus). II (author's transl)] Colli OB, et al. **Anat Anz** 1980; 147(5):458-70 (Eng. Abstr.) **(Ger)**
[3. The lymphatic system of the rat (Rattus norvegicus) neck. A comparison of the lymphatic systems of newborn, young and adult rats] Colli BO, et al. **Anat Histol Embryol** 1980; 9(3):228-35 (Eng. Abstr.) **(Ger)**
[Regeneration of the thread-like papillae in the rat tongue] Svejda J, et al. **Z Mikrosk Anat Forsch** 1981;95(1):113-26 (Eng. Abstr.) **(Ger)**
[Scanning and transmission electron microscopic studies on the fiber architecture of the articular disc of rat temporomandibular joint in reference to its functional significance (author's transl)] Fuse S. **Kokubyo Gakkai Zasshi** 1980 Mar;47(1):9-21 (Eng. Abstr.) **(Jpn)**

BLOOD

Influence of the strain on bleeding time in rats. Marone L, et al. **Boll Chim Farm** 1981 Feb;120(2):108-13
Effect of blood sampling schedules on protein drug binding in the rat. Hulse M, et al. **J Pharmacol Exp Ther** 1981 Aug;218(2):416-20
Standardized method for bleeding rats. Archer RK, et al. **Lab Anim** 1981 Jan;15(1):25-8
Comparison between ether and carbon dioxide anaesthesia for removal of small blood samples from rats. Fowler JS, et al. **Lab Anim** 1980 Jul;14(3):275-8
Stress response of rats to handling and experimental procedures. Gärtner K, et al. **Lab Anim** 1980 Jul; 14(3):267-74
Warfarin-resistance genotype determination in the Norway rat, Rattus norvegicus. Martin AD, et al. **Lab Anim** 1979 Jul;13(3):209-14
Environmental and biological effects following application of diazinon impregnated strips within a laboratory animal room. Hinkle DK, et al. **Lab Anim Sci** 1980 Dec;30(6):981-3
Rat serum inhibits prolactin release from rat pituitary mammotrophs in culture. Hymer WC, et al. **Mol Cell Endocrinol** 1981 Apr;22(1):55-70
Metabolic and sympatho-adrenal abnormalities in the obese Zucker rat: effect of chronic phenoxybenzamine treatment. Levin BE, et al. **Pharmacol Biochem Behav** 1981 Apr; 14(4):517-25
Studies on alpha 2-antiplasmin in the rat. Högstorp H, et al. **Thromb Res** 1981 Feb 1;21(3):247-53
Ontogeny of mouse and rat antithrombin III. Lamontagne L, et al. **Thromb Res** 1980 Nov 15;20(4):417-24
Purification and characterization of a naturally occurring antihemorrhagic factor in the serum of the hispid cotton rat (Sigmodon hispidus). Pichyangkul S, et al. **Toxicon** 1981;19(2):205-15
Seasonal variations in reticulocyte counts in blood of laboratory mice and rats. Short communication. Berger J. **Z Versuchstierkd** 1981;23(1):8-12
[Postnatal development of rat thrombocytes: the volume distribution and electrophoretic mobility or rat thrombocytes during the first month of life (author's transl)] Bamberger S, et al. **Blut** 1980 Jun;40(6):421-8 (Eng. Abstr.) **(Ger)**
[Immunoglobulin G2a levels in SPF rats. 2. Distribution and normal ranges as basis of quality control of the microbiological status of experimental animals] Dietzel-Roehl L. **Z Versuchstierkd** 1980;22(3):141-7 (Eng. Abstr.) **(Ger)**
[Biochemical values in serum of laboratory animals IV. Variation of the biochemical values of rat serum due to the differences of the pretreatments (author's transl)] Suzuki S, et al. **Eisei Shikenjo Hokoku** 1980;98:116-22 (Eng. Abstr.) **(Jpn)**
[Blood proteins during various stages of life in the rat] Sallingová Z, et al. **Cesk Fysiol** 1980 Sep;29(5):421-7 **(Slo)**

EMBRYOLOGY

Embryonic and postnatal growth of the rat and mouse. VI. Prenatal growth of organs and tissues: individual organs; final remarks on parts I-VI, phase transitions. Goedbloed JF. **Acta Anat (Basel)** 1980;106(1):108-28
Rat embryo development in vitro. Roy SK, et al. **Acta Endocrinol (Copenh)** 1981 Apr;96(4):546-51
The early internal vascularization of the rat brain. Morphological studies on foetuses of normal and protein-deprived mothers. Conradi NG, et al. **Acta Neuropathol (Berl)** 1980;50(3):221-6
Ultrastructural study of Sertoli cells in rat seminiferous

tubules during intrauterine life and the postnatal period. Hatier R, et al. **Anat Embryol (Berl)** 1980;160(1):11–27

Growth of fresh volumes and spontaneous cell death in the nuclei habenulae of albino rats during ontogenesis. Wree A, et al. **Anat Embryol (Berl)** 1981;161(4):419–31

Development of the thyroid gland in the rat fetus in vivo. An ultrastructural and radioautographic study. Rémy L, et al. **Arch Anat Microsc Morphol Exp** 1980;69(2):91–108

Development of rat neuromuscular junctions in organ culture. Ziskind-Conhaim L, et al. **Dev Biol** 1981 Jul 15; 85(1):243–51

Effects of morphine and naloxone on spontaneous activity of fetal rats. Kirby ML. **Exp Neurol** 1981 Aug;73(2):430–9

Studies on orthocephalization. 6. Flexions of the rat head in the period between 1 day before gestation and 14 days after gestation. Vilmann H, et al. **Gegenbaurs Morphol Jahrb** 1981;127(2):176–87

Nucleolus-like bodies in the embryonic ectodermal and mesodermal cells of postimplantation rat embryos. Takeuchi IK. **J Electron Microsc (Tokyo)** 1980;29(2):186–9

[Effect of fetal calf serum on the in vitro differentiation or maintenance of the seminiferous cords of the testis of the fetal rat] Magre S, et al. **C R Acad Sci [D] (Paris)** 1981 Jan 5;292(1):85–9 (Eng. Abstr.) **(Fre)**

[Effect of glycerol formal on the embryonic development of the rat] Aliverti V, et al. **Arch Sci Biol (Bologna)** 1977 Jan-Dec;61(1–4):89–95 (Eng. Abstr.) **(Ita)**

[Periods of brain structure development in rat ontogeny (a review)] Dmitrieva NI. **Zh Evol Biokhim Fiziol** 1981 May-Jun;17(3):287–92 (51 ref.) **(Rus)**

GENETICS

Unaltered membrane properties of arterial muscle in Dahl strain genetic hypertension. Abel PW, et al. **Am J Physiol** 1981 Aug;241(2):H224–7

Mitochondrial DNA polymorphism: evolutionary studies of the genus Rattus. Brown GG, et al. **Ann NY Acad Sci** 1981; 361:135–53

Length of polymorphisms of restriction fragments of rat mitochondrial DNAs. Hayashi JI, et al. **Biochem Biophys Res Commun** 1981 Feb 27;98(4):936–41

Evolutionary conservation of linkage groups: additional evidence from murid and cricetid rodents. Snyder LR. **Biochem Genet** 1980 Apr;18(3–4):209–20

Linkage analyses among five esterase loci in the laboratory rat (Rattus norvegicus). Yamada J, et al. **Biochem Genet** 1980 Jun;18(5–6):433–8

Abolition of the apparent deficiency of 2-aminophenol glucuronidation in perfused Gunn rat liver by pentan-3-one. Burchell B, et al. **Biochem Pharmacol** 1980 Dec 1;29(23):3204–7

Differential effects of D 600 on contractile response of aorta and portal vein from spontaneously hypertensive rats. Pang CC, et al. **Blood Vessels** 1981;18(3):120–7

Supernumerary chromosomes and their possible origin in the karyotype of Indian bush rat, Golunda ellioti gujerati. Babu KA, et al. **Cell Biol Int Rep** 1981 Mar;5(3):229–37

Nucleotide sequence variants of Rattus norvegicus mitochondrial DNA. Goddard JM, et al. **Chromosoma** 1981;82(5):595–609

The athymic nude rat. III. Natural cell-mediated cytotoxicity. de Jong WH, et al. **Clin Immunol Immunopathol** 1980 Oct;17(2):163–72

'Atrichosis', a new hairless gene with cyst formation in rats. Ohno T, et al. **Experientia** 1981 Feb 15;37(2):126–7

Intra- and interspecific variation of the mitochondrial genome in Rattus norvegicus and Rattus rattus: restriction enzyme analysis of variant mitochondrial DNA molecules and their evolutionary relationships. Brown GG, et al. **Genetics** 1981 Jan;97(1):125–43

Renal prostaglandin excretion and metabolism in male and female New Zealand normotensive and genetically hypertensive rats. Baer PG, et al. **Hypertension** 1981 Mar-Apr;3(2):257–61

Isolation and structure of a rat cytochrome c gene. Scarpulla RC, et al. **J Biol Chem** 1981 Jun 25;256(12):6480–6

Growth and reproduction complex in the rat. Genes linked to the major histocompatibility complex that affect development. Kunz HW, et al. **J Exp Med** 1980 Dec 1; 152(6):1506–18

Analysis of the Giemsa-banding patterns of the chromosomes from rats carrying the genes of the growth and reproduction complex (GRC). Drescher CK, et al. **J Immunogenet** 1980 Oct;7(5):427–30

Characterization of a highly repetitive sequence DNA family in rat. Sealy L, et al. **J Mol Biol** 1981 Jan 15;145(2):291–318

Morphogenesis of the hereditary microphthalmia in a new strain of rat. Kobayashi K, et al. **J Morphol** 1981 Mar; 167(3):265–76

Dual evolutionary origin for the rat genetic sequences of Harvey murine sarcoma virus. Ellis RW, et al. **J Virol** 1980 Nov;36(2):408–20

Vitamin K deficiency syndromes in warfarin-resistant brown rats (Rattus norvegicus). Partridge GG. **Lab Anim** 1980 Jul;14(3):193–5

Characterization of cloned rat ribosomal DNA fragments. Fuke M, et al. **MGG** 1981;182(1):25–30

Differences in electrophoretic behaviour of eight ribosomal proteins from rat and rabbit tissues and evidence for proteolytic action on liver proteins. Madjar JJ, et al. **MGG** 1980;179(1):89–101

Nucleotide sequence of cloned rat serum albumin messenger RNA. Sargent TD, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):243–6

The architecture of rat lymph nodes. III. The lymph nodes and lymph-borne cells of the congenitally athymic nude rat (rnu). Fossum S, et al. **Scand J Immunol** 1980; 12(5):421–32

Mechanism of increased sensitivity to cerebral ischemia following carotid artery occlusion in stroke-prone spontaneously hypertensive rats: importance of genetic factors. Suno M, et al. **Stroke** 1981 Mar-Apr;12(2):246–50

Application of ultrastructure in the investigation of male infertility of the BIL/1 mutant. Siew S, et al. **Transplant Proc** 1981 Jun;13(2):1415–20

A heterophile system in human renal transplantation. VIII. The morphological distribution of the antigen in rat tissues. Rohr MS, et al. **Transplantation** 1980 Aug;30(2):97–102

[Selection of laboratory rats for fertility components under conditions of estrus synchronization with Suisynchron-Praemix. 3. Results of puberty parameters] Renne U, et al. **Arch Exp Veterinaermed** 1981;35(2):299–305 (Eng. Abstr.) **(Ger)**

GROWTH & DEVELOPMENT

Renal response to isotonic volume expansion in the developing rat. Elinder G. **Acta Physiol Scand [Suppl]** 1980; (490):1–24

The effects of race, sex, and nutrition on craniofacial differeniation in rats. A multivariate analysis. Pucciarelli HM. **Am J Phys Anthropol** 1980 Sep;53(3):359–68

Cochlear receptor development in the rat with emphasis on synaptogenesis. Lenoir M, et al. **Anat Embryol (Berl)** 1980; 160(3):253–62

Development of afferent lamination in Ammon's horn of the rat. Loy R. **Anat Embryol (Berl)** 1980;159(3):257–75

Development and structure of the radial glia in the postnatal rat brain. Seress L. **Anat Embryol (Berl)** 1980;160(2):213–26

Regional cerebral blood flow during development and ageing of the rat brain. Ohata M, et al. **Brain** 1981 Jun; 104(2):319–32

Changes of the caecal villi during postnatal development in rats. Ono K. **Cell Tissue Res** 1980;208(2):253–9

Influence of growth rate on the ability of hypertransfusion induced plethora to suppress erythropoiesis in the growing rat. Alippi RM, et al. **Exp Hematol** 1981 Mar;9(3):209–13

Effects of feeding T-2 toxin to rats and monkeys. Rukmini C, et al. **Food Cosmet Toxicol** 1980 Jun;18(3):267–9

Effect of litter size on the physical growth and maturation of the offspring of rats given alcohol during gestation. Lee M, et al. **Growth** 1980 Dec;44(4):327–35

Growth response of weanling rats to heated, aged, fractionated, and chemically treated yogurts. Hargrove RE, et al. **J Dairy Sci** 1980 Jul;63(7):1065–72

Comparative studies on maturation process of secondary ossification centers of long bones in the mouse, rat, dog and monkey. Fukuda S, et al. **Jikken Dobutsu** 1980 Jul; 29(3):317–26

Postnatal development of bronchus-associated lymphoid tissue (BALT) in the rat, Rattus norvegicus. Gregson RL, et al. **Lab Anim** 1979 Jul;13(3):231–8

Growth and 24 hour eating patterns of rats kept under various light:dark conditions. ten Hoor F, et al. **Lab Anim** 1980 Jul;14(3):251–2

Evaluation of a new rat feeder for use in chemical toxicology and nutrition studies. Fullerton FR, et al. **Lab Anim Sci** 1981 Jun;31(3):276–9

Pituitary hollow fiber units in vivo and in vitro. Hymer WC, et al. **Neuroendocrinology** 1981 Jun;32(6):339–49

Nutrition classics. The American Journal of Physiology. Volume 107, 1934, pages 146–156. 'Zinc in the nutrition of the rat' by W.R. Todd, C.A. Elvehjem and E.B. Hart. **Nutr Rev** 1980 Apr;38(4):151–4

Ontogeny of feeding behavior in the Zucker obese rat. McLaughlin CL, et al. **Physiol Behav** 1981 Apr; 26(4):607–12

Allometric study of the rat heart during the nursing period. Ribeiro WA Jr, et al. **Rev Bras Pesqui Med Biol** 1980 Apr; 13(1–3):75

[Maturation of gonadotropin function in the growing female rat. Influence of neonatal castration] Lescoat G. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(5):497–500 (Eng. Abstr.) **(Fre)**

[Appraisal of the protein efficiency ratio of diverse protein concentrates] Pignatti C, et al. **Boll Soc Ital Biol Sper** 1979 Mar 15;55(5):417–22 (Eng. Abstr.) **(Ita)**

[Studies on the development of water maze-learning ability in rats. (1) Correlation between learning ability and brain weight in growth periods (author's transl] Hasegawa N, et al. **Jikken Dobutsu** 1980 Oct;29(4):401–7 (Eng. Abstr.) **(Jpn)**

[Research of the regulation mechanism of rat growth with regard to serum somatomedin concentration (author's transl)] Takano K. **Tanpakushitsu Kakusan Koso** 1980; 25(7):638–46 (19 ref.) **(Jpn)**

[Age-related changes in body and internal organ weight in Wistar rats] Plakhuta-Plakutina GI, et al. **Kosm Biol Aviakosm Med** 1981 Jun-Jul;15(4):79–81 **(Rus)**

[Glycogen phosphorylase isoenzymatic makeup changes in the liver of birds and mammals in ontogeny] Kuz'mishcheva EB, et al. **Ontogenez** 1980;11(5):532–5 (13 ref.) (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Absence of anti-acetylcholine receptor antibodies in Praomys (Mastomys) natalensis. Vincent A, et al. **Clin Exp Immunol** 1981 Jan;43(1):94–8

Strongyloides ratti: acquired resistance in the rat to the preintestinal migrating larvae. Murrell KD. **Exp Parasitol** 1980 Dec;50(3):417–25

Localization of species cross-reactive epithelium and urothelium specific antigens in the urinary tract of the rat, mouse, hamster and guinea pig. Nathrath WB, et al. **J Urol** 1981 Jul;126(1):77–80

The indirect india-ink immunoreaction for detection of antibodies to Encephalitozoon cuniculi in rat and mouse serum. Kellett BS, et al. **Lab Anim** 1980 Apr;14(2):83–6

Lack of effect of Spironucleus (Hexamita) muris on the immune response to tetanus toxoid in the rat. Mullink JW, et al. **Lab Anim** 1980 Apr;14(2):127–8

Resistance of Fasciola hepatica in rats and rabbits following sensitising infection and treatment. Haroun EM, et al. **Res Vet Sci** 1980 May;28(3):377–9

Alloantigenic systems in the rat. 3d International Workshop. Philadelphia, Pennsylvania, June 25–27, 1980. **Transplant Proc** 1981 Jun;13(2):1307–510

[Absence of T lymphocyte functions in athymic nude rats (author's transl)] Terada E, et al. **Jikken Dobutsu** 1980 Jul; 29(3):365–7 (Eng. Abstr.) **(Jpn)**

[Shichito fever in Izu Shichito Islands. 3. Seroepidemiological survey of anti-R. tsutsugamushi antibody among field rodents (author's transl)] Murata M, et al. **Kansenshogaku Zasshi** 1980 Jun;54(6):279–83 (Eng. Abstr.) **(Jpn)**

METABOLISM

Lipoprotein lipase activities in adipose tissues and muscle in the obese Zucker rat. Hartman AD. **Am J Physiol** 1981 Aug;241(2):E108–15

Glucose homeostasis in a carnivorous animal (cat) and in rats fed a high-protein diet. Kettelhut IC, et al. **Am J Physiol** 1980 Nov;239(5):R437–44

Rat thiopurine methyltransferase assay procedure, developmental changes and strain variation. Walker RC, et al. **Biochem Pharmacol** 1981 Jan 15;30(2):115–21

Diurnal changes in pineal melatonin content in four rodent species: relationship to photoperiodism. Goldman B, et al. **Biol Reprod** 1981 May;24(4):778–83

comparative study of opiate and enkephalin receptors on lower vertebrates and higher vertebrates. Audigier Y, et al. **Comp Biochem Physiol [C]** 1980;67C(2):191–3

Metabolic performance and insulin binding of mammary cells isolated from Wistar and Zucker rats. Kohlsdorfer W, et al. **Horm Metab Res** 1980 Dec;12(12):665–70

Effect of th brown midrib-three gene on corn grain utilization by growing rats. Keith EA, et al. **J Anim Sci** 1980 Oct;51(4):892–5

Localization of enkephalin-like immunoreactivity to identified axonal and neuronal populations of the rat hippocampus. Gall C, et al. **J Comp Neurol** 1981 May 10; 198(2):335–50

Composition of rat milk from day 5 to 20 of lactation and milk intake of lean and preobese Zucker pups. Godbole VY, et al. **J Nutr** 1981 Mar;111(3):480–7

Rat restrainer for separation and collection of urine and feces. Roerig DL, et al. **Lab Anim Sci** 1980 Jun;30(3):549–51

Comparative rates of local cerebral glucose utilization in the visual system of conscious albino and pigmented rats. Batipps M, et al. **Neurology (NY)** 1981 Jan;31(1):58–62

Nutrition classics. Annals of the New York Academy of Sciences. Volume 78, 1959. Vitamin K deficiency in germfree rats: Bengt E. Gustafsson. **Nutr Rev** 1980 Oct; 38(10):344–7

A metabolism chamber for measuring oxygen consumption in the laboratory rat and mouse. Perez VJ, et al. **Physiol Behav** 1980 Jun;24(6):1185–9

Methionine-cystine interrelationships in chicks and rats fed diets containing suboptimal levels of methionine. Sell DR, et al. **Poult Sci** 1980 AUG;59(8):1878–84

Nitrate synthesis in the germfree and conventional rat. Green LC, et al. **Science** 1981 Apr 3;212(4490):56–8

Prostacyclin formation by rat endothelial layer [letter] Sinzinger H, et al. **Thromb Haemost** 1980 Jul 15;43(3):229

[Lipid metabolism in the newborn genetically obese (fa/fa) rat] Boulange A, et al. **C R Soc Biol (Paris)** 1980; 174(4):527–32 (Eng. Abstr.) **(Fre)**

[Intestinal enzyme activity in germ-free and conventional rats and mice] Juhr NC. **Z Versuchstierkd** 1980; 22(4):197–203 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Propagation of Korean hemorrhagic fever virus in laboratory rats. Lee PW, et al. **Infect Immun** 1981 Jan;31(1):334–8

Leptospirosis in wildlife in Brazil: isolation of serovars canicola, pyrogenes and grippotyphosa. Santa Rosa CA, et al. **Int J Zoonoses** 1980 Jun;7(1):40–3

Human leptospirosis in Detroit and the role of rats as chronic carriers. Thiermann AB, et al. **Int J Zoonoses** 1980 Jun; 7(1):62–72

The Norway rat as a selective chronic carrier of Leptospira icterohaemorrhagiae. Thiermann AB. **J Wildl Dis** 1981 Jan; 17(1):39–43

In vitro activity of select antibiotics against Mycoplasma pulmonis from rats and mice. Gardner MC, et al.

Lab Anim Sci 1981 Apr;31(2):143–5

['Lactobacillus murinus' n. sp., a new species of the autochtoneous dominant flora of the digestive tract of rat and mouse (author's transl)] Hemme D, et al. **Ann Microbiol (Paris)** 1980 May–Jun;131(3):297–308 (Eng. Abstr.) **(Fre)**

[The role of rats as a reservoir of enterobacteria pathogenic for man in Madagascar] Gueguen A. **Arch Inst Pasteur Madagascar** 1980;47(1):89–91 **(Fre)**

[Dextran degrading bacteria in rat oral cavity (author's transl)] Takamori K, et al. **Kokubyo Gakkai Zasshi** 1980 Jun;47(2):235–9 (Eng. Abstr.) **(Jpn)**

[Changes in fecal microflora of rats during lactation with special reference to enhancement of Escherichia coli populations (author's transl)] Morishita Y. **Nippon Juigaku Zasshi** 1980 Oct;42(5):581–6 (Eng. Abstr.) **(Jpn)**

PARASITOLOGY

Suppression of microfilaraemia in Litomosoides carinii infections in cotton rats by vaccination with adult worm homogenate. Storey DM, et al. **Ann Trop Med Parasitol** 1980 Apr;74(2):211–8

Seasonal prevalence of the helminth fauna of the wood rat Rattus tiomanicus (Miller) in West Malaysia. Krishnasamy M, et al. **Folia Parasitol (Praha)** 1980;27(3):231–5

Experimental transmission of Trypanosoma gambiense by syringe passage from albino–mouse to mice, rats, gerbil and hamster. Lee KM, et al. **Int J Zoonoses** 1980 Dec; 7(2):142–9

On the morphological variation of Euparadistomum species (Digenea: Dicrocoeliidae) from small mammals in Malaysia. Betterton C. **J Helminthol** 1980 Dec;54(4):241–5

Sarcocystis singaporensis Zaman and Colley, (1975) 1976, Sarcocystis villivilliso sp. n., and Sarcocystis zamani sp. n.: development, morphology, and persistence in the laboratory rat, Rattus norvegicus. Beaver PC, et al. **J Parasitol** 1981 Apr;67(2):241–56

Uncinaria hydromyidis sp, n (Nematoda: Ancylostomatidae) from the Australian water rat, Hydromys chrysogaster. Beveridge I. **J Parasitol** 1980 Dec;66(6):1027–31

Experimental infection of Sigmodon hispidus with third–stage larvae of Angiostrongylus costaricensis. Ubelaker JE, et al. **J Parasitol** 1981 Apr;67(2):219–21

Eimeriidae of the herbivorous mole–rat, Spalax ehrenbergi Nehring. Sayin F. **J Protozool** 1980 Nov;27(4):364–7

The growth of Moniliformis (Acanthocephala) in rats fed on various monosaccharides and disaccharides. Parshad VR, et al. **Proc R Soc Lond [Biol]** 1980 Aug 13; 209(1175):299–315

Mesostigmatid mites associated with three Rattus species collected in Rangoon, Burma. Telford SR Jr, et al. **Southeast Asian J Trop Med Public Health** 1980 Jun; 11(2):227–31

Host–parasite relationship of Angiostrongylus cantonensis. 2. Angiotropic behaviour and abnormal site development. Ko RC. **Z Parasitenkd** 1981;64(2):195–202

[Parasite–host relationship specificity in rat trypanosomiasis] Khachoian VI. **Med Parazitol (Mosk)** 1981 Mar–Apr; 50(2):67–70 **(Rus)**

[Ectoparasites of the Norway rat, Rattus norvegicus norvegicus Berk. 1769 in northern Kazakhstan] Nechaeva LK, et al. **Med Parazitol (Mosk)** 1981 May–Jun;50(3):69–74 (Eng. Abstr.) **(Rus)**

[Parasitosis and zoonosis in mice and rats caught in and around Beytepe Village (author's transl)] Sahin I. **Mikrobiyol Bul** 1979 Jul;13(3):283–90 (Eng. Abstr.) **(Tur)**

PHYSIOLOGY

The influence of adrenalectomy on the biomechanical properties of collagenous structures of rats in the post–partum phase. Oxlund H, et al. **Acta Obstet Gynecol Scand** 1980;59(5):453–8

Glutamatergic pathways in the pigeon and the rat brain. Cuénod M, et al. **Adv Biochem Psychopharmacol** 1981; 27:57–68 (27 ref.)

Animal model of human disease. Diabetes mellitus. Seemayer TA, et al. **Am J Pathol** 1980 Nov;101(2):485–8 (9 ref.)

Central site for pressor action of blood–borne angiotensin in rat. Fink GD, et al. **Am J Physiol** 1980 Sep; 239(3):R358–61

Reevaluation of the sand rat as a model for diabetes mellitus. Rice MG, et al. **Am J Physiol** 1980 Nov;239(5):E340–5

Evidence for active and passive urate transport in the rat proximal tubule. Weinman EJ, et al. **Am J Physiol** 1981 Feb;240(2):F90–3

Inhibition of gastric hydrochloric acid secretions in the rat given Ostertagia ostertagi (a gastric parasite of cattle) extract. Eiler H, et al. **Am J Vet Res** 1981 Mar; 42(3):498–502

Inhibition of spermatogenesis in house rat (Rattus rattus Rufescens) following the administration of alpha–chlorohydrin. Dixit VP, et al. **Andrologia** 1980 Nov–Dec; 12(6):513–20

Distractibility changes during the oestrous cycle of the rat. Birke LI, et al. **Anim Behav** 1979 May;27(Pt 2):597–601

Postpartum copulatory and maternal behaviour in Norway rats under seminatural conditions. Gilbert AN, et al. **Anim Behav** 1980 Nov;28 Pt 4:989–95

Placenta on pups' skin accelerates onset of maternal behaviour in non–pregnant rats. Kristal MB, et al. **Anim Behav** 1981 Feb;29(1):81–5

Exploratory behaviour of rats at oestrus. Martin JR, et al. **Anim Behav** 1980 Aug;28 Pt 3:900–5

Sexual behaviour and reproductive competition in male wild and domestic Norway rats. Price EO. **Anim Behav** 1980 Aug;28 Pt 3:657–67

Use of the common carotid artery in blood pressure measurement in rats. A possible source of error. Pang SC, et al. **Can J Physiol Pharmacol** 1980 Sep;58(9):1126–7

The rat with spontaneous genetic hypertension is not a suitable model of human essential hypertension. McGiff JC, et al. **Circ Res** 1981 Apr;48(4):455–64

Similarities of genetic (spontaneous) hypertension. Man and rat. Trippodo NC, et al. **Circ Res** 1981 Mar;48(3):309–19

Evidence that thyrotropin and prolactin are not secreted by the posterior pituitary of the rat. Greer MA, et al. **Endocrinology** 1981 Feb;108(2):382–6

Limited sequence homology between porcine and rat relaxins: implications for physiological studies. John MJ, et al. **Endocrinology** 1981 Feb;108(2):726–9

The ontogeny of ultrasounds in two strains of Rattus norvegicus. Nitschke W, et al. **Exp Aging Res** 1975 Nov; 1(2):229–43

Effects of perinatal alcohol on sexual differentiation and open–field behavior in rats. Chen JJ, et al. **Horm Behav** 1979 Dec;13(3):219–31

Sexual behavior and penile reflexes of neonatally castrated male rats treated in infancy with estrogen and dihydrotestosterone. Hart BL. **Horm Behav** 1979 Dec; 13(3):256–68

Attempts to reinstate lordosis reflex in estrogen–primed spinal female rats with monoamine agonists. Kow LM, et al. **Horm Behav** 1979 Dec;13(3):232–40

Attenuating the defeminization of the neonatal rat brain: mechanisms of action of cyproterone acetate, 1,4,6–androstatriene–3,17,–dione and a synthetic progestin, R5020. McEwen BS, et al. **Horm Behav** 1979 Dec; 13(3):269–81

The effects of long–term estrogen exposure on the induction of sexual behavior and measurements of brain estrogen and progestin receptors in the female rat. Parsons B, et al. **Horm Behav** 1979 Dec;13(3):301–13

Differential effects of testosterone metabolites in the neonatal period on open–field behavior and lordosis in the rat. Stewart J, et al. **Horm Behav** 1979 Dec;13(3):282–92

Effect of various ACTH analogs on lordosis behavior in the female rat. Wilson CA, et al. **Horm Behav** 1979 Dec; 13(3):293–300

Episodic corticosterone secretion in the female rat. Carrillo AJ, et al. **Horm Res** 1980;13(1):40–7

Manipulating metabolic parameters to improve growth rate and milk secretion. Baldwin RL, et al. **J Anim Sci** 1980 Dec;51(6):1416–28

Model for antiorthostatic hypokinesia: head–down tilt effects on water and salt excretion. Deavers DR, et al. **J Appl Physiol** 1980 Oct;49(4):576–82

Susceptibility of rats, hamsters, and mice to carious infection by Streptococcus mutans serotype c and d organisms. Ooshima T, et al. **J Dent Res** 1981 Apr;60(4):855–9

Comparison of the regulation of calcitonin in serum of old and young Buffalo rats. Queener SF, et al. **J Endocrinol** 1980 Oct;87(1):73–80

Pheochromocytoma in rats: incidence, etiology, morphology and functional activity. Cheng L. **J Environ Pathol Toxicol** 1980 Nov;4(5–6):219–28

Endocrine control of implantation and delayed implantation in rats and mice. Gidley–Baird AA. **J Reprod Fertil [Suppl]** 1981;29:97–109

Embryonic and uterine factors in delayed implantation in rodents. Surani MA, et al. **J Reprod Fertil [Suppl]** 1981; 29:159–72 (48 ref.)

The effect of diet on some parameters measured in toxicological studies in the rat. Clapp MJ. **Lab Anim** 1980 Jul;14(3):253–61

Exteroceptive factors, sexual maturation and reproduction in the female rat. Norris ML, et al. **Lab Anim** 1979 Jul; 13(3):283–6

Infectious sialodacryoadenitis and rat breeding. Utsumi K, et al. **Lab Anim** 1980 Oct;14(4):303–7

Mating method to produce accurate timed pregnancies in rats. Bertholet JY. **Lab Anim Sci** 1981 Apr;31(2):180

The ovariectomized female rat as a model animal for the study of adaptation to endurance training. Dohm GL, et al. **Lab Anim Sci** 1981 Apr;31(2):146–8

A new technique for the analysis of phasic gastric acid responses in the unanesthetized rat. Weingarten HP, et al. **Lab Anim Sci** 1980 Aug;30(4 Pt 1):673–80

Ammonia concentrations in an animal inhalation exposure chamber. Weissman SH, et al. **Lab Anim Sci** 1980 Dec; 30(6):974–80

Effects of room temperature on reproduction, body and organ weights, food and water intake, and hematology in rats. Yamauchi C, et al. **Lab Anim Sci** 1981 Jun;31(3):251–8

A method for the routine assessment of fore– and hindlimb grip strength of rats and mice. Meyer OA, et al. **Neurobehav Toxicol** 1979 Fall;1(3):233–6

Sexual receptivity in female rats after lesion or stimulation in different amygdaloid nuclei. Mascó DH, et al. **Physiol Behav** 1980 Jun;24(6):1073–80

Effect of calcium concentration on the transmural potential difference and the intensity of the short–circuit current in the small intestine of rat, chicken and hen. Vázquez A, et al. **Rev Esp Fisiol** 1980 Dec;36(4):449–55

Resource partitioning during reproduction in the Norway rat. Woodside B, et al. **Science** 1981 Jan 2;211(4477):76–7

Effects of intra–arterial cannulation on blood platelet consumption in rats. Meuleman DG, et al. **Thromb Res** 1980 Oct 1;20(1):45–55

Effect of thiourea on parafollicular cells of Indian bandicoot rat, Bandicota bengalensis. Dubewar D. **Z Mikrosk Anat Forsch** 1980;94(3):467–70

Observations on total food intake and 24 h food intake patterns during long term registration of food intake behaviour in rats. Rietveld WJ, et al. **Z Versuchstierkd** 1980;22(3):156–60

[Circadian rhythms in laboratory rats (general characteristics and endocrine aspects)] Stoïnev A, et al. **Eksp Med Morfol** 1981;20(1):1–7 (15 ref.) (Eng. Abstr.) **(Bul)**

[Respiratory functions in the experimental Wistar SPF rat] Halik J, et al. **Cesk Fysiol** 1980 Sep;29(5):433–9 **(Cze)**

[A cytological and vaginal impedance study of the estrus cycle in 2 strains of laboratory rats of the Wistar type] Rejnek P. **Cesk Fysiol** 1980 Sep;29(5):441–6 **(Cze)**

[Murine resistance to anticoagulants in the port of Marseille Response to difenacoum] Desideri D, et al. **Bull Soc Pathol Exot Filiales** 1979 May–Jun;72(3):278–83 contd (Eng. Abstr.) **(Fre)**

[N–metabolism of growing rats consuming increasing amounts of the H–2 oxidizing bacterial strain Alcaligenes eutrophus] Greife HA, et al. **Z Tierphysiol Tierernaeher Futtermittelkd** 1981; 45(2):91–100 (Eng. Abstr.) **(Ger)**

[Determination of fertility in female and male Wistar rats. Short communication] Goltzsch W, et al. **Z Versuchstierkd** 1981;23(1):4–7 (Eng. Abstr.) **(Ger)**

[Qualitative and quantitative characterization of relaxed wakefulness of freely moving rats] Wenzel J, et al. **Z Versuchstierkd** 1980;22(3):148–55 (Eng. Abstr.) **(Ger)**

[Effect of an anticoagulant rodenticide on the female albino rat with offspring] Marchini S, et al. **Parassitologia** 1978 Dec;20(1–3):59–70 (Eng. Abstr.) **(Ita)**

[Non–surgical collection of uterine eggs in the rat (author's transl)] Ishijima Y, et al. **Jikken Dobutsu** 1980 Jul; 29(3):355–7 (Eng. Abstr.) **(Jpn)**

[Behavioral characteristics of F344/DuCrj (Fischer) strain rats: spontaneous motor activity and acquisition of conditioned avoidance responses (author's transl)] Kuribara H. **Jikken Dobutsu** 1980 Jul;29(3):327–33 (Eng. Abstr.) **(Jpn)**

SURGERY

Ovariectomy of newborn rats: a descriptive surgical procedure. Brouwer EA, et al. **Lab Anim Sci** 1980 Jun; 30(3):546–8

Labyrinth plugging as a model of suspended vestibular sensory input. Korzenszky L, et al. **Physiologist** 1980 Dec; 23(Suppl 6):S127–8

URINE

Proteinuria in rats in relation to age–dependent renal changes. Alt JM, et al. **Lab Anim** 1980 Apr;14(2):95–101

[Circa–annual oscillations of urine and glucuronic acid excretion in laboratory rats] Mletzko HG, et al. **Z Versuchstierkd** 1980;22(3):165–72 (Eng. Abstr.) **(Ger)**

RATS, INBRED ACI see under **RATS, INBRED STRAINS**

RATS, INBRED BN see under **RATS, INBRED STRAINS**

RATS, INBRED BUF see under **RATS, INBRED STRAINS**

RATS, INBRED F344 see under **RATS, INBRED STRAINS**

RATS, INBRED LEW see under **RATS, INBRED STRAINS**

RATS, INBRED STRAINS

The choice of animals in toxicological screening: inbred strains and the factorial design of experiment. Festing MF. **Acta Zool Pathol Antverp** 1980 Oct;(75):117–31

The spontaneously hypertensive rat (15). Proceedings of XV annual scientific meeting of the Council for the Spontaneously Hypertensive Rat (SHR) October 13–14, 1979, Shiga–ken. **Jpn Heart J** 1980 Jul;21(4):551–606

Endoscopic visualization of induced colonic tumors in rats. Silverman J, et al. **Lab Anim Sci** 1980 Jun;30(3):544–5

Heterotopically induced osteogenesis in osteopetrotic rat mutants. A preliminary report. Moutier R, et al. **Pathol Res Pract** 1980;168(1–3):65–72

Sendai virus in nude and germ–free rats. Carthew P, et al. **Res Vet Sci** 1980 Nov;29(3):289–92

The different stages of Fasciola hepatica capable of inducing immunity and the susceptibility of various stages to immunological attack in the sensitised rat. Hughes DL, et al. **Res Vet Sci** 1981 Jan;30(1):93–8

[Tumor spectrum of the Han: WIST rat] Deerberg F, et al. **Z Versuchstierkd** 1980;22(5–6):267–80 (Eng. Abstr.) **(Ger)**

[Occurrence and distribution of virus infections in mice and rat strains of the German Federal Republic. Brief report] Kraft V, et al. **Z Versuchstierkd** 1980;22(5–6):299–302 (Eng.

Abstr.) (Ger)
[Pasteurella pneumotropica infection in a barrier-maintained rat breeding colony] Kunstýř I, et al. **Z Versuchstierkd** 1980;22(5-6):303-8 (Eng. Abstr.) (Ger)
[Spontaneous thymoma occurring in Buffalo/Mna rats] Matsuyama M, et al. **Jikken Dobutsu** 1981 Jan;30(1):67-71 (Jpn)

ANATOMY & HISTOLOGY

A quantitative approach to cytoarchitectonics. VI. The areal pattern of the cortex of the albino rat. Zilles K, et al. **Anat Embryol (Berl)** 1980;159(3):335-60
Photoreceptor characteristics in congenic strains of RCS rats. LaVail MM. **Invest Ophthalmol Vis Sci** 1981 May; 20(5):671-5
Histopathologic changes in aging male vs female spontaneously hypertensive rats. Wexler BC, et al. **J Gerontol** 1981 Sep;36(5):514-9
Colon epithelium. I. Light microscopic, histochemical, and ultrastructural features of normal colon epithelium of male Fischer 344 rats. Shamsuddin AK, et al. **JNCI** 1981 Feb; 66(2):375-88
Pathology of the clitoral and prepucial glands in aging F344 rats. Reznik G, et al. **Lab Anim Sci** 1980 Oct;30(5):845-50

GENETICS

Genetic differences in reductive metabolism and hepatotoxicity of halothane in three rat strains. Gourlay GK, et al. **Anesthesiology** 1981 Aug;55(2):96-103
New polymorphisms of esterase 7 and esterase 8 in inbred strains of rats: tissue expression and linkage studies. Matsumoto K. **Biochem Genet** 1980 Oct;18(9-10):879-87
Biochemical polymorphism in the rat: genetics of three electrophoretic variants and characterization of inbred strains. van Zutphen LF, et al. **Biochem Genet** 1981 Feb; 19(1-2):173-86
Peptidase-3 (Pep-3), dipeptidase variant in the rat homologous to mouse pep-3 (Dip-1) and human PEP-c. Womack JE, et al. **Biochem Genet** 1980 Oct; 18(9-10):1019-26
Reproductive endocrine profile of a strain of rats which exhibits aspermatogenesis and reduced growth. Greiner DL, et al. **Biol Reprod** 1980 Oct;23(3):564-9
Characterization of immunological depression in spontaneously hypertensive rats. Takeichi N, et al. **Eur J Immunol** 1981 Jun;11(6):483-7
EcoRI-generated reiterated components of the rat genome. I. Sequence of two (92 and 93 bp) related DNA fragments. Lapeyre JN, et al. **Gene** 1980 Sep;10(4):339-46
Does vasopressin contribute to salt-induced hypertension in the Dahl strain? Matsuguchi H, et al. **Hypertension** 1981 Mar-Apr;3(2):174-81
Basophils and eosinophils in three strains of rats and in athymic (nude) rats following infection with the nematodes Nippostrongylus brasiliensis or Trichinella spiralis. Ogilvie BM, et al. **Immunology** 1980 Mar;39(3):385-9
Genetic resistance to the induction of experimental allergic encephalomyelitis in Lewis rats. I. Genetic analysis of an apparent mutant strain with phenotypic resistance to experimental allergic encephalomyelitis. Waxman FJ, et al. **J Exp Med** 1981 Jan 1;153(1):61-74
Allogeneic restriction in the rat: genetic basis of restriction of the T cell mediators of delayed-type hypersensitivity and antimicrobial resistance to Listeria monocytogenes. Jungi TW, et al. **J Immunogenet** 1980 Jun;7(3):243-60
The B region-associated antigens and MLR phenotypes in the Japanese inbred strains of rats. Ohhashi T, et al. **J Immunogenet** 1981 Jun;8(3):191-206
Linkage of neuraminidase and alpha-mannosidase to the major histocompatibility complex in the rat. VandeBerg JL, et al. **J Immunogenet** 1981 Jun;8(3):239-42
EAE in rat bone marrow chimeras: analysis of the cellular mechanism of BN resistance. Singer DE, et al. **J Immunol** 1981 Apr;126(4):1553-7
Genetic differences in tolerance to ethanol: a study in UChA and UChB rats. Tampier L, et al. **Pharmacol Biochem Behav** 1981 Feb;14(2):165-8
Avoidance behavior in rats selectively bred for differential alcohol sensitivity. Shapiro NR, et al. **Psychopharmacology (Berlin)** 1980;72(1):79-83
Genetic control of the IgE reaginic immune response and of its radiation-induced enhancement. Bazin H, et al. **Transplant Proc** 1981 Jun;13(2):1369-74
The genetics of the graft-versus-host reactions in rats: strength of reaction against RT1.A and RT1.B antigens alone and in combination. Butcher GW, et al. **Transplant Proc** 1981 Jun;13(2):1375-7
Immunologic interactions between parental and reciprocal F1 hybrid rats. Collins NH, et al. **Transplant Proc** 1981 Jun;13(2):1439-43
Workshop report. Genetic uniformity in inbred rat strains. Cramer DV, et al. **Transplant Proc** 1981 Jun;13(2):1492-3
MHC-linked and non-MHC-linked immune response genes in the rat. Davis BK, et al. **Transplant Proc** 1981 Mar;13(1 Pt 2):1046-8
Immune response to poly(Glu52Lys33Tyr15) in congenic rats. Davis BK, et al. **Transplant Proc** 1981 Jun; 13(2):1378-82
The organization of immunogenetic loci in the Norway rat. Gasser DL. **Transplant Proc** 1981 Jun;13(2):1311-6
Immunogenetic control of the immune response to gliosarcoma 9L growth in rats. Geyer SJ, et al. **Transplant Proc** 1981 Jun;13(2):1407-9
Inability to fix the Lewis haplotype on the ACI background in a congenic breeding program. Guttmann RD. **Transplant Proc** 1981 Jun;13(2):1339-40
A new congenic strain LEW.C4H with a weak H-locus. Kohoutová M, et al. **Transplant Proc** 1981 Jun; 13(2):1319-21
The recombinant RT1r6 haplotype of the LEW.1WR2 rat strain. Kohoutová M, et al. **Transplant Proc** 1981 Jun; 13(2):1322-4
Comparison of RT1 haplotypes using congenic lines. Kunz HW, et al. **Transplant Proc** 1981 Jun;13(2):1494-6
Heterogeneity of inbred BN strain rats for the RT2 locus. Paul LC, et al. **Transplant Proc** 1981 Jun;13(2):1497
Immune complex type disease induced by HgCl2: genetic control of susceptibility. Sapin C, et al. **Transplant Proc** 1981 Jun;13(2):1404-6
An attempt to obtain recombinants in the RT1.A region in rats. Stark O, et al. **Transplant Proc** 1981 Jun;13(2):1325-6
Rejection of islet 'isografts' in a strain of Lewis rats. **Transplantation** 1981 Mar;31(3):229-31
Genetic stability within an inbred rat colony [letter] Heslop BF, et al. **Transplantation** 1981 Mar;31(3):229
Characteristics of the second-set kidney allograft reactions in rats. Kawamura H, et al. **Transplantation** 1980 Oct; 30(4):302-7

GROWTH & DEVELOPMENT

Rat hematopoietic cell receptors for very low density lipoprotein (VLDL) growth inhibitor. Zucker S, et al. **Exp Hematol** 1981 May;9(5):550-62

IMMUNOLOGY

Immunogenetic control of experimental type II collagen-induced arthritis. I. Susceptibility and resistance among inbred strains of rats. Griffiths MM, et al. **Arthritis Rheum** 1981 Jun;24(6):781-9
Experimental erythrocyte autoimmunity. Specificity of autoantibodies of autoantibody-specific suppressor cells elicited by RBC from various strains of rats. Cox KO, et al. **Aust J Exp Biol Med Sci** 1981 Feb;59(1):55-61
Susceptibility of Lewis rats to experimental autoimmune encephalomyelitis after recovery from passively induced disease. Holda JH, et al. **Immunol Commun** 1980;9(4):333-40
The derivation of an inbred line of rats which develop asthma-like symptoms following challenge with aerosolized antigen. Holme G, et al. **Immunology** 1981 Jan; 42(1):19-24
Polyvalent strain-specific alloantisera as tools for routine genetic quality control of inbred and congenic strains of rats and mice. Festing MF, et al. **Lab Anim** 1980 Apr; 14(2):173-7
Bovine serum albumin humoral immune response in aged Fischer 344 rats. Kaplan PJ, et al. **Mech Ageing Dev** 1981 May;16(1):61-6
Problems in the use of erythrocytes for RT1.A typing studies, probably due to quantitative differences in RT1.A antigen expression in different strains. Hart DN, et al. **Transplant Proc** 1981 Jun;13(2):1329-32
In vivo and in vitro correlates of the specific transplantation tolerance induced by spontaneously tolerated liver allografts in inbred strains of rats. Houssin D, et al. **Transplant Proc** 1981 Mar;13(1 Pt 1):619-22
In vitro responses of BN strain inbred rats. Shonnard JW, et al. **Transplant Proc** 1981 Jun;13(2):1390-3

METABOLISM

Metabolism in the F344 rat of 4-(N-methyl-N-nitrosamino)-1-(3-pyridyl)-1-butanone, a tobacco-specific carcinogen. Hecht SS, et al. **Cancer Res** 1980 Nov;40(11):4144-50
Low retinal dopamine and serum prolactin levels indicate an inherited dopaminergic abnormality in BW rats. Wyse JP, et al. **Exp Eye Res** 1981 May;32(5):541-51
Cholesterol synthesis in tissues of young and old Fisher 344 and Sprague-Dawley rats. Kritchevsky D, et al. **Exp Gerontol** 1980;15(5):369-71
Oxygen consumption by Zucker obese rats, obese yellow mice, and obese hyperglycemic mice with body protein used for metabolic mass. Kaplan ML. **Int J Obes** 1981; 5(1):51-6
Effects of thyroid hormone on mitochondrial activity in lipemic BHE rats. Berdanier CD, et al. **Proc Soc Exp Biol Med** 1981 Mar;166(3):348-54

PHYSIOLOGY

The role of body mass in thermoregulation. Riesenfeld A. **Am J Phys Anthropol** 1981 May;55(1):95-9
Mammalian cross-reactive H-Y antigen induces sex reversal in vitro in the avian testis. Zenzes MT, et al. **Differentiation** 1980;17(2):121-6
RCS rat macrophages exhibit normal ROS phagocytosis. Gery I, et al. **Invest Ophthalmol Vis Sci** 1981 May; 20(5):675-9
Proceedings of the third International symposium on the spontaneously hypertensive rat and related studies, September 13-15, 1978, Kyoto, Japan. **Jpn Heart J** 1979 Jun;20(Suppl 1):1-373
Role of angiotensin-II in the polydipsia of diabetes insipidus in the Brattleboro rat. Stamoutsos BA, et al. **Physiol Behav** 1981 Apr;26(4):691-3
Thirteen week toxicity study of hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) in Fischer 344 rats. Levine BS, et al. **Toxicol Lett** 1981 Jun-Jul; 8(4-5):241-5
Preimplantation loss in inbred strains of rats. Schneider U, et al. **Z Versuchstierkd** 1980;22(5-6):317-22

SURGERY

[Method of ileostomy in the laboratory rat] Bleyl DW, et al. **Z Versuchstierkd** 1981;23(1):46-51 (Eng. Abstr.) (Ger)

RATS, INBRED WF see under **RATS, INBRED STRAINS**

RATS, ZUCKER see under **RATS**

RATTLESNAKE VENOMS see **CROTALID VENOMS**

RAUSCHER VIRUS

Erythrocyte production and survival in Rauscher murine leukemia virus-infected BABL/c mice. de Both NJ, et al. **Cancer Res** 1980 Nov;40(11):4270-5

ANALYSIS

Analysis of the origin of charge heterogeneity of Rauscher murine leukaemia virus p30. Brouwer J, et al. **J Gen Virol** 1980 Dec;51(Pt 2):409-14
Structure of glycosylated and unglycosylated gag polyproteins of Rauscher murine leukemia virus: carbohydrate attachment sites. Schultz AM, et al. **J Virol** 1981 May;38(2):581-92

ENZYMOLOGY

Virus-specific reverse transcriptase in acute leukaemia. Kiss S, et al. **Acta Paediatr Acad Sci Hung** 1981;22(1-2):33-42
Polyamines stimulate natural RNA-directed DNA synthesis by Rauscher murine leukemia virus DNA polymerase. Marcus SL, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1361-8
Isolation and partial characterization of the reverse transcriptases of Rauscher murine leukemia virus, simian sarcoma virus and RD-114 virus. van Muijen GN, et al. **Biochim Biophys Acta** 1980 Oct 17;609(3):483-91
Endodeoxyribonuclease activity associated with Rauscher murine leukemia virus. Kopchick JJ, et al. **J Virol** 1981 Jan;37(1):274-83

GENETICS

Plasma membrane glycoproteins encoded by cloned Rauscher and Friend spleen focus-forming viruses. Ruta M, et al. **J Virol** 1980 Sep;35(3):844-53
Leukaemia virus infection promotes fibroblast transformation by normal BALB/c mouse DNA. Krump-Konvalinkova V, et al. **Nature** 1980 Sep 25;287(5780):353-4
Molecular dissection of Rauscher virus gp70 by using monoclonal antibodies: localization of acquired sequences of related envelope gene recombinants. Niman HL, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4524-8

GROWTH & DEVELOPMENT

Early event of C-type virus budding in cells infected with a Rauscher leukemia virus temperature-sensitive mutant. Demsey A, et al. **Arch Virol** 1980;65(3-4):329-36
[Inhibitory effect of remantadine hydrochloride on oncornavirus production and transformation of a continuous culture of mouse leukemia cells] Shobukhov VM, et al. **Vopr Virusol** 1981 Mar-Apr;(2):188-93 (Eng. Abstr.) (Rus)

IMMUNOLOGY

Relation of gp70 to spontaneous cytolytic activity of mouse spleen cells. Hatzfeld A, et al. **Immunogenetics** 1981; 12(1-2):153-9
Characterization of mouse monoclonal antibodies specific for Friend murine leukemia virus-induced erythroleukemia cells: friend-specific and FMR-specific antigens. Chesebro B, et al. **Virology** 1981 Jul 15;112(1):131-44

METABOLISM

Interaction of retroviruses with chemical carcinogens. Covalent binding of (+/-)7 beta, 8 alpha-dihydroxy-9 alpha, 10 alpha, epoxy-7,8,9.10-tetrahydrobenzo[a]pyrene. Harris RM, et al. **Arch Biochem Biophys** 1980 Oct 15; 204(2):612-21
Kinetics of synthesis and processing of precursor polypeptides of murine leukemia virus in frog oocytes following microinjection of viral RNA. Asselbergs FA, et al. **Eur J Biochem** 1980 Aug;109(2):395-403
Isolation of BPgp70, a fibroblast receptor for the envelope antigen of Rauscher murine leukemia virus. Landen B, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4988-92
[Changes in the RNA electrophoretic spectrum of the cells after Rauscher virus infection. The kinetics of leukemic and normal RNA hybridization with Rauscher virus cDNA] Smirnova IA. **Dokl Akad Nauk SSSR** 1981; 256(4):1022-4 (Rus)

PATHOGENICITY

[Nature of the target cells for Rauscher and Friend leukemia viruses] Sanin AV, et al. **Biol Nauki** 1980;(8):5–20 (111 ref.) **(Rus)**

PHYSIOLOGY

Polycythemia- and anemia-inducing erythroleukemia viruses exhibit differential erythroid transforming effects in vitro. Hankins WD, et al. **Cell** 1980 Dec;22(3):693–9

Relationship of GIX antigen expression to the glycosylation of murine leukemia virus glycoprotein. Rosner MR, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6420–4

[Mechanisms of the stimulating action of the Rauscher leukemia virus on togavirus reproduction in the bodies of BALB/c strain mice] Pogodina VV, et al. **Vopr Virusol** 1980 Jul–Aug;(4):449–54 (Eng. Abstr.) **(Rus)**

RAUWOLFIA

[Pharmacognostical study on several Rauvolfia roots and their adulterants (author's transl)] Feng YX, et al. **Yao Hsueh Hsueh Pao** 1981 Jan;16(1):45–52 (Eng. Abstr.) **(Chi)**

ANALYSIS

The alkaloids of Rauwolfia volkensii. Akinloye BA, et al. **J Ethnopharmacol** 1981 Jul;4(1):99–109

RAUWOLFIA ALKALOIDS

ADVERSE EFFECTS

Rauwolfia serpentina revisited. Walker WR, et al. **NC Med J** 1981 Jun;42(6):401–2

ISOLATION & PURIFICATION

The alkaloids of Rauwolfia volkensii. Akinloye BA, et al. **J Ethnopharmacol** 1981 Jul;4(1):99–109

PHARMACODYNAMICS

The cardiovascular effects of propranolol in adrenalectomized spontaneously hypertensive rats and the opposing influence of rauwolscine. Van den Bosch RA, et al. **Eur J Pharmacol** 1981 May 22;71(4):505–8

RAYNAUD'S DISEASE

[Raynaud's syndrome: study of fingertip blood flow by plethysmography with venous occlusion (author's transl)] Cristol R, et al. **Nouv Presse Med** 1979 Jan 13;8(2):105–8 (Eng. Abstr.) **(Fre)**

BLOOD

Raynaud's phenomenon: peripheral catecholamine concentration and effect of sympathectomy. Nielsen SL, et al. **Acta Chir Scand [Suppl]** 1980;502:57–62

Increased factor VIII/von Willebrand factor antigen and von Willebrand factor activity in scleroderma and in Raynaud's phenomenon. Kahaleh MB, et al. **Ann Intern Med** 1981 Apr;94(4 pt 1):482–4

Hyperviscosity and thrombotic changes in idiopathic and secondary Raynaud's syndrome. Blunt RJ, et al. **Br J Haematol** 1980 Aug;45(4):651–8

Raynaud's phenomenon and blood viscosity [letter] Ernst E. **Br J Surg** 1981 Jul;68(7):520

Cutaneous microcirculation in systemic sclerosis and response to intra-arterial reserpine. Nilsen KH, et al. **Br Med J** 1980 Jun 14;280(6229):1408–11

Effect of prostaglandins I2 and E1 on red cell deformability in patients with Raynaud's phenomenon and systemic sclerosis. Dowd PM, et al. **Br Med J [Clin Res]** 1981 Aug 1;283(6287):350

Plasma exchange and platelet function in Raynaud's phenomenon. Zahavi J, et al. **Thromb Res** 1980 Jul 1–15; 19(1–2):85–93

Increased platelet function and von Willebrand factor in vibration syndrome. Ikehata K, et al. **Tokushima J Exp Med** 1980 Jun;27(1–2):23–8

[Characteristic rheograms of pathological bloods. Application to dynamic pharmacology (author's transl)] Dufaux J, et al. **J Mal Vasc** 1980;5(2):135–7 (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Raynaud's phenomenon with vinblastine and bleomycin [letter] Harvey HA, et al. **Ann Intern Med** 1981 Apr;94(4 pt 1):542–3

Raynaud's phenomenon: a common toxicity after combination chemotherapy for testicular cancer. Vogelzang NJ, et al. **Ann Intern Med** 1981 Sep;95(3):288–92

Bleomycin–vinblastine associated Raynaud's phenomenon [letter] Paty JG Jr, et al. **J Rheumatol** 1980 Nov–Dec; 7(6):927–8

[Pathomechanism of the disease caused by chronic exposure to vinyl chloride (author's transl)] Bogdanikowa B. **Przegl Lek** 1980;37(12):797–801 **(Pol)**

COMPLICATIONS

Bleeding gastric telangiectasia. Complication of Raynaud's phenomenon, esophageal motor dysfunction, sclerodactyly and telangiectasia (REST) syndrome. Allende HD, et al. **Am J Gastroenterol** 1981 May;75(5):354–6

[Raynaud's phenomenon and scleroderma (author's transl)] Merlen JF. **Ann Cardiol Angeiol (Paris)** 1980 Jun; 29(4):333–7 (Eng. Abstr.) **(Fre)**

[Finger ulcers in the course of a carpal tunnel syndrome with Raynaud's syndrome (letter)] Treves R, et al. **Nouv Presse Med** 1980 Oct 4;9(36):2664 **(Fre)**

[Eosinophilic fasciitis. Description of a clinical case with Raynaud's phenomenon] Ambanelli U, et al. **Rev Rhum Mal Osteoartic** 1981 Apr;48(4):379–82 **(Fre)**

[Digital ulcerations during a carpal tunnel syndrome with Raynaud's syndrome (letter)] Trèves R, et al. **Rev Rhum Mal Osteoartic** 1980 Oct;47(10):578–9 **(Fre)**

[Progressive muscular dystrophy and Raynaud's syndrome] Aprile A, et al. **Acta Neurol [Quad] (Napoli)** 1981;42:163–8 **(Ita)**

[Raynaud's phenomenon and systemic lupus erythematosus (author's transl)] Zitňan D, et al. **Bratisl Lek Listy** 1981; 75(5):529–37 (Eng. Abstr.) **(Slo)**

DIAGNOSIS

Systemic involvement and immunologic findings in patients presenting with Raynaud's phenomenon. Kallenberg CG, et al. **Am J Med** 1980 Nov;69(5):675–80

Evaluation and management of patients with Raynaud's syndrome. Porter JM, et al. **Am J Surg** 1981 Aug; 142(2):183–9

A noninvasive method to assess sympathetic activity. Stallworth JM, et al. **Am Surg** 1981 Aug;47(8):333–7

Response of digital blood pressure to cold provocation in cases with Raynaud phenomena. Thulesius O, et al. **Angiology** 1981 Feb;32(2):113–8

Locally induced digital vasospasm detected by delayed rewarming in Raynaud's phenomenon of occupational origin. Juul C, et al. **Br J Ind Med** 1981 Feb;38(1):87–90

Vibration syndrome again [editorial] **Br Med J [Clin Res]** 1981 May 30;282(6278):1738–9

Raynaud's phenomenon and scleroderma. Harper FE, et al. **Compr Ther** 1981 Feb;7(2):45–51

[Raynaud's phenomenon] Dumoulin J. **Electrodiagn Ther** 1980;17(3):177–84 **(Fre)**

[Doppler ultrasonic method of blood velocity measurement in Raynaud's phenomenon] Annoni F, et al. **Minerva Med** 1981 Feb 18;72(4–5):213–24 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Nifedipine and Raynaud's phenomenon [letter] Kahan A, et al. **Ann Intern Med** 1981 Apr;94(4 pt 1):546

Calcium channel blockers and Raynaud's disease [letter] Vayssairat M, et al. **Ann Intern Med** 1981 Aug;95(2):243

Prostaglandin E1 infusions for vascular insufficiency in progressive systemic sclerosis. Martin MF, et al. **Ann Rheum Dis** 1981 Aug;40(4):350–4

Thymoxamine for Raynaud's disease and chilblains. Jaffe GV, et al. **Br J Clin Pract** 1980 Nov–Dec;34(11–12):343–6

Treatment of vasospastic disease with prostaglandin E1. Clifford PC, et al. **Br Med J** 1980 Oct 18;281(6247):1031–4

Treatment of vasospastic disease with prostaglandin E1 [letter] Cleophas AJ, et al. **Br Med J [Clin Res]** 1981 May 2;282(6274):1476

[Spasm and Raynaud's phenomenon] Fiessinger JN. **Ann Cardiol Angeiol (Paris)** 1981 Mar–Apr;30(2):91–3 **(Fre)**

[Treatment of Raynaud's phenomenon with alpha-lytic agents] Clément DL. **Rev Med Liege** 1980 Oct 1; 35(19):650–2 **(Fre)**

[Symptomatic treatment of Raynaud's phenomenon: reserpine, alpha-methyldopa, griseofulvin, guanethidine] Zicot M. **Rev Med Liege** 1980 Oct 1;35(19):652–4 **(Fre)**

ETIOLOGY

An approach to the pathogenesis of 'white finger' induced by vibratory stimulation: acute but sustained changes in vascular responsiveness of canine hindlimb to noradrenaline. Azuma T, et al. **Cardiovasc Res** 1980 Dec; 14(12):725–30

The effect of tobacco smoke on the non-smoker [editorial] Yesner R. **Conn Med** 1981 Jul;45(7):470–1

Acroscleresis associated with vibration: an electron microscopic study. Hashimoto K, et al. **J Cutan Pathol** 1980 Dec;7(6):373–86

Raynaud's phenomenon in passive smokers [letter] Bocanegra TS, et al. **N Engl J Med** 1980 Dec 11;303(24):1419

Vasospasm—ubiquitous? [editorial] Coffman JD, et al. **N Engl J Med** 1981 Mar 26;304(13):780–2

Raynaud syndrome. Blunt RJ, et al. **Semin Arthritis Rheum** 1981 May;10(4):282–308 (259 ref.)

[Evaluation of reported occupational white-finger induced by vibration] Nielsen SL, et al. **Ugeskr Laeger** 1980 Dec 1;142(49):3239–43 (Eng. Abstr.) **(Dan)**

[Vibration-induced white-finger in Danish quarrymen] Olsen NP, et al. **Ugeskr Laeger** 1980 Dec 1;142(49):3243–7 **(Dan)**

[Acral ischemia (Raynaud's phenomenon) in nervous system and vascular compression-stretching syndromes in the thoracic outlet syndrome] Beaujean MA, et al. **Rev Med Liege** 1980 Oct 1;35(19):645–50 **(Fre)**

[Raynaud's phenomenon as a manifestation of an occupational disease] Verhaeghe R. **Rev Med Liege** 1980 Oct 1;35(19):641–3 **(Fre)**

[Secondary forms of Raynaud's phenomenon: The Raynaud syndrome] Zicot M. **Rev Med Liege** 1980 Oct 1; 35(19):639–41 **(Fre)**

[Progressive muscular dystrophy and Raynaud's disease] Aprile A, et al. **Acta Neurol (Napoli)** 1981 Feb;36(1):163–8 **(Ita)**

[Thermography in subjects exposed to vibrating tools (author's transl)] Carnevale F, et al. **Med Lav** 1980 May–Jun;71(3):255–8 (Eng. Abstr.) **(Ita)**

FAMILIAL & GENETIC

Three siblings with scleroderma (systemic sclerosis) and two with Raynaud's phenomenon from a single kindred. Sheldon WB, et al. **Arthritis Rheum** 1981 May;24(5):668–76

IMMUNOLOGY

The CREST syndrome: a distinct serologic entity with anticentromere antibodies. Fritzler MJ, et al. **Am J Med** 1980 Oct;69(4):520–6

NURSING

When the diagnosis is raynaud's. Craven RF, et al. **Am J Nurs** 1981 May;81(5):1007–9

OCCURRENCE

[Health hazards in the concrete industry. Skin diseases and the Raynaud phenomenon] Fréden K, et al. **Lakartidningen** 1981;78(17):1749–50 **(Swe)**

PHYSIOPATHOLOGY

Finger systolic pressures and skin temperatures in severe Raynaud's syndrome: the relationship to healing of skin lesions and the use of oral phenoxybenzamine. Carter SA. **Angiology** 1981 May;32(5):298–310

Blood viscosity, Raynaud's phenomenon and the effect of fibrinolytic enhancement. Ayres ML, et al. **Br J Surg** 1981 Jan;68(1):51–4

Pathophysiology of Raynaud's phenomenon [editorial] **Br Med J** 1980 Oct 18;281(6247):1027–8

[Peripheral haemodynamic disturbances of the limbs in Raynaud's phenomenon (author's transl)] Schmidt C, et al. **J Mal Vasc** 1980;5(3):215–9 (Eng. Abstr.) **(Fre)**

[Raynaud's phenomenon] Clément DL. **Rev Med Liege** 1980 Oct 1;35(19):633–4 **(Fre)**

[Thermosensitivity of cutaneous vessels and Raynaud's disease] Vanhoutte PM, et al. **Rev Med Liege** 1980 Oct 1;35(19):634–9 **(Fre)**

[Viscosity and Raynaud's phenomenon] Verhaeghe R. **Rev Med Liege** 1980 Oct 1;35(19):643–4 **(Fre)**

[A study on the peripheral circulatory function and on the cold pressor response in chain saw operators (author's transl)] Shiomi S, et al. **Sangyo Igaku** 1980 May;22(3):163–8 (Eng. Abstr.) **(Jpn)**

[Raynaud's disease - physiopathology and new aspects of treatment] Znamirowska D. **Pol Tyg Lek** 1980 Jun 23; 35(25):957–9 **(Pol)**

RADIOGRAPHY

[Raynaud's phenomenon with digital arteriographic signs in a 13 1/2 year-old-girl] Pouillaude JM, et al. **Pediatrie** 1980 Jun;35(4):347–52 (Eng. Abstr.) **(Fre)**

[Clinical and radiological observations in Raynaud's disease (author's transl)] Viehweger G. **Radiologe** 1981 Feb; 21(2):72–6 (Eng. Abstr.) **(Ger)**

SURGERY

[Surgical treatment of Raynaud's phenomenon] Van Der Stricht JP. **Rev Med Liege** 1980 Oct 1;35(19):654–5 **(Fre)**

[Further clarifications on the effectiveness of thoracic sympathectomy in Raynaud's phenomenon] Monti D, et al. **Minerva Cardioangiol** 1980 Nov;28(11):739–42 (Eng. Abstr.) **(Ita)**

[25 years of experience in the treatment of Raynaud's disease and Raynaud-like syndromes] Biasi G, et al. **Minerva Chir** 1980 Nov 15;35(21):1663–7 (Eng. Abstr.) **(Ita)**

THERAPY

Plasma exchange in Raynaud's phenomenon [letter] Hamilton WA, et al. **Lancet** 1980 Aug 30;2(8192):475

[Methods of self-exercises in treatment of the primary Raynaud-syndrome (author's transl)] Höfle KH. **Psychother Psychosom Med Psychol** 1980 Jul;30(4):174–9 (Eng. Abstr.) **(Ger)**

RAZOXANE see under **PIPERAZINES**

REACTION TIME

The relationship between loudness and reaction time in normal hearing listeners. Marshall L, et al. **Acta Otolaryngol (Stockh)** 1980 Sep–Oct;90(3–4):244–9

Some temporal characteristics of eye tracking. Dimitrov G, et al. **Acta Physiol Pharmacol Bulg** 1980;6(2):27–31

Control of associated movement as a factor influencing reaction times of mentally retarded adults. Brewer N, et

al. **Am J Ment Defic** 1980 Nov;85(3):281–5
Training moderately and severely mentally retarded adults to improve reaction and movement times. Hoover JH, et al. **Am J Ment Defic** 1981 Jan;85(4):389–95
Post vibratory effects on fractionated reaction time and maximum isometric strength. Clarkson PM, et al. **Am J Phys Med** 1980 Dec;59(6):271–9
Acoustic reflex latency test in the evaluation of nontumor patients with abnormal brainstem latencies. Clemis JD, et al. **Ann Otol Rhinol Laryngol** 1980 Jul–Aug;89(4 Pt 1):296–302
Sensory receptor sensitivity in autistic children: response times to proximal and distal stimulation. Kootz JP, et al. **Arch Gen Psychiatry** 1981 Mar;38(3):271–3
Autonomic nervous system activity in acute schizophrenia: II. relationships to short–term prognosis and clinical state. Zahn TP, et al. **Arch Gen Psychiatry** 1981 Mar;38(3):260–6
Distal sensory latency measurement of the superficial radial nerve in normal adult subjects. Mackenzie K, et al. **Arch Phys Med Rehabil** 1981 Jan;62(1):31–4
Iris pigmentation and fractionated reaction and reflex time. Hale BD, et al. **Biol Psychol** 1980 Feb;10(1):57–67
Reaction time in Parkinson's disease. Evarts EV, et al. **Brain** 1981 Mar;104(Pt 1):167–86
Amnesia is not caused by cognitive slowness. Meudell P, et al. **Cortex** 1980 Oct;16(3):413–9
Central somatosensory conduction in man: neural generators and interpeak latencies of the far–field components recorded from neck and right or left scalp and earlobes. Desmedt JE, et al. **Electroencephalogr Clin Neurophysiol** 1980 Dec;50(5–6):382–403
Short latency somatosensory evoked potentials from radial, median and ulnar nerve stimulation in man. Grisolia JS, et al. **Electroencephalogr Clin Neurophysiol** 1980 Dec; 50(5–6):375–81
Age and access time for different memory codes. Mueller JH, et al. **Exp Aging Res** 1980 Oct;6(5):445–9
Expectancy and choice reaction time in early and late adulthood. Waugh NC, et al. **Exp Aging Res** 1980 Dec; 6(6):563–7
Antidromic latency variations of nigral compacta neurones. Collingridge GL, et al. **Experientia** 1980 Aug 15; 36(8):970–1
Backward masking as a measure of slow processing in schizophrenia spectrum disorders. Saccuzzo DP, et al. **J Abnorm Psychol** 1981 Aug;90(4):305–12
Effects of exogenous insoluble glucan primer on insoluble glucan synthesis by Streptococcus mutans. Fukushima K, et al. **J Dent Res** 1981 Sep;60(9):1707–12
Tracing the time course of picture–-word processing. Smith MC, et al. **J Exp Psychol [Gen]** 1980 Dec;109(4):373–92
Why search for target absence is so slow (and careful): the more targets there are, the more likely you are to miss one. Krueger LE, et al. **J Exp Psychol [Hum Percept]** 1980 Nov;6(4):662–85
Physical fitness, aging, and psychomotor speed: a review. Spirduso WW. **J Gerontol** 1980 Nov;35(6):850–65 (105 ref.)
Magnitude of reaction time crossover in process schizophrenic patients in relation to their first–degree relatives. DeAmicis LA, et al. **J Nerv Ment Dis** 1981 Jan; 169(1):64–5
Intensity of imperative signal influences on redundancy deficit and latency in process schizophrenics. Galbraith KJ, et al. **J Nerv Ment Dis** 1980 Sep;168(9):542–9
Attention and visual reaction time in schizophrenia. Scherer M, et al. **J Nerv Ment Dis** 1981 Jun;169(6):348–56
Preschool children's conceptual tempo and performance on visual discrimination tasks. Green HG. **J Psychol** 1980 Sep; 106(First Half):21–5
Comparative study of reaction time in Indian sportsmen specializing in hockey, volleyball, weightlifting and gymnastics. Bhanot JL, et al. **J Sports Med Phys Fitness** 1980 Mar;20(1):113–8
Reaction time of hockey players with reference to their field positions. Bhanot JL, et al. **J Sports Med Phys Fitness** 1980 Dec;20(4):423–30
Alpha EEG and simple reaction time. Adler JD, et al. **Percept Mot Skills** 1981 Feb;52(1):306
Comparison of information–processing capacities in young and aged subjects using reaction times. Corpolango M, et al. **Percept Mot Skills** 1981 Jun;52(3):987–94
Children's reaction times to verbal and nonverbal tachistoscopic stimuli exposed to the left and right visual hemifields. Messina TM, et al. **Percept Mot Skills** 1981 Apr; 51(2):459–62
Subjective response speed and stimulus intensity in a simple reaction time task. Niemi P, et al. **Percept Mot Skills** 1980 Oct;51(2):419–22
Simple reaction times for mentally retarded and epileptic individuals. Summerford CF. **Percept Mot Skills** 1981 Jun; 52(3):1007–10
Response rates and choices of schizophrenics under fixed–ratio contingencies of reinforcement. Weiner H. **Percept Mot Skills** 1980 Dec;51(3 Pt 2):1239–42
Effects of training on response latency and accuracy for a difficult visual discrimination. Whitaker LA. **Percept Mot Skills** 1981 Apr;51(2):475–8
P300 and reaction time in schizophrenics and controls. Roth WT, et al. **Prog Brain Res** 1980;54:522–5
Psychophysiology of the reaction time experiment: a factor analytic approach. Lolas F. **Psychiatr Clin (Basel)** 1981; 14(2):88–95
Reinforcement, skin conductance, and performance in a vigilance–reaction time task. Hartel FW, et al. **Psychiatry Res** 1981 Apr;4(2):239–51
Response times of slide and cross–over steps as used by volleyball players. Cox RH. **Res Q Exerc Sport** 1980 Oct; 51(3):562–7
Cross–modal reaction time and schizophrenic attentional deficit: a critical review. Mannuzza S. **Schizophr Bull** 1980; 6(4):654–75
The interference effect of simultaneous vocalization on reaction time of hand and foot. Sajiki N, et al. **Tohoku J Exp Med** 1981 Apr;133(4):477–8
[Relationship between the duration of perceptual identification and verbal reaction time] Fraisse P. **Annee Psychol** 1980;80(2):433–47 (Eng. Abstr.) **(Fre)**
[Reaction time during ageing and in cerebral arteriosclerosis (author's transl)] Kolozsi B, et al. **Aktule Gerontol** 1981 Jan;11(1):19–22 (Eng. Abstr.) **(Ger)**
[Latencies of reaction indicating disturbed behaviour during evaluation of pure tone threshold (author's transl)] Kumpf W. **Laryngol Rhinol Otol (Stuttg)** 1981 May;60(5):259–63 (Eng. Abstr.) **(Ger)**
[Objectivation of presenile and senile degenerative processes using non–invasive procedures (EEG and reaction time test)] Klensch H. **Lebensversicherungsmedizin** 1980 Sep; 32(5):121–5 (Eng. Abstr.) **(Ger)**
[Reaction time measurement as a method for determining environmental influence on man and necessary peripheral conditions] Bischof W, et al. **Z Gesamte Hyg** 1980; 26(1):39–40 (Eng. Abstr.) **(Ger)**
[Changes in the time required for a simple manual motor response in patients with cranio–cerebral injuries] Volkova VD, et al. **Zh Nevropatol Psikhiatr** 1981;(5):665–9 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Selective effects of barbiturate and amphetamine on information processing and response execution. Frowein HW. **Acta Psychol (Amst)** 1981 Feb;47(2):105–15
The audiovisual reaction time test. Use in assessment of recovery from Althesin anaesthesia. Grant IS, et al. **Anaesthesia** 1980 Sep;35(9):869–72
Reaction time to acoustic or visual stimuli after administration of camazepam and diazepam in man. Tallone G, et al. **Arzneimittelforsch** 1980;30(6):1021–4
Latent period and yield of chemically–induced skin tumors in chimeric mice. Iannaccone PM. **Cancer Lett** 1980 Aug; 10(2):169–75
Reaction time changes among steel workers exposed to solvent vapors. A longitudinal study. Olson BA, et al. **Int Arch Occup Environ Health** 1981;48(3):211–8
Recovery and enhancement of reflex reaction time after nitrous oxide analgesia. McKercher TC, et al. **J Am Dent Assoc** 1980 Nov;101(5):785–8
Assembly of an inexpensive tail flick analgesia meter. Owen JA, et al. **J Pharmacol Methods** 1981 Aug;6(1):33–7
Reaction time, noise distraction and autonomic responsivity in smokers and non–smokers. Knott VJ. **Percept Mot Skills** 1980 Jun;50(3 Pt 2):1271–80
Effect of lithium on reaction time–-a study of diurnal variations. Elsass P, et al. **Psychopharmacology (Berlin)** 1981;72(3):279–82
Sex differences in the effects of low doses of ethanol on human reaction time. Taberner PV. **Psychopharmacology (Berlin)** 1980;70(3):283–6
[Application of change–over designs in human pharmacology demonstrated by reaction–time measurements (author's transl)] Meyer FP, et al. **Arzneimittelforsch** 1981; 31(1):102–4 (Eng. Abstr.) **(Ger)**
[Changes in reaction behavior in women as a result of alcohol] Raff G, et al. **Beitr Gerichtl Med** 1980;38:327–35 (Eng. Abstr.) **(Ger)**
[Reactivity of patients under lithium–therapy/assessment of multivariate relationships (author's transl)] Opgenoorth E, et al. **Pharmakopsychiatr Neuropsychopharmakol** 1980 Jul; 13(4):182–99 (Eng. Abstr.) **(Ger)**
[Caffeine and smoking–induced changes in the behavior of car drivers] Lacho L, et al. **Soud Lek** 1980;25(2):22–7 (Eng. Abstr.) **(Slo)**

PHYSIOLOGY

Mathematical modelling of reaction latency: the structure of the models and its motivation. Pacut A. **Acta Neurobiol Exp (Warsz)** 1980;40(1):199–215
Fractionated reaction times and performance times as a function of practice. Lofthus GK, et al. **Am J Phys Med** 1981 Aug;60(4):190–7
Sprint start reaction time: should one attend to the input or the output or does it matter? Buckolz E. **Can J Appl Sport Sci** 1980 Sep;5(3):146–52 (15 ref.)
Retrieval time in a monaural learning task. Simon JR, et al. **Cortex** 1980 Aug;16(2):231–8
Attention to pattern orientation: negative cortical potentials, reaction time, and the selection process. Harter MR, et al. **Electroencephalogr Clin Neurophysiol** 1980 Sep; 49(5–6):461–75
Evolution of negative and positive SP shifts in cats learning RT tasks. Macar F, et al. **Electroencephalogr Clin Neurophysiol** 1980 Nov; 50(3–4):229–39
A computerized system for determination of reaction time, movement time, and movement accuracy. Morgan NT, et al. **Electroencephalogr Clin Neurophysiol** 1981 May; 51(5):563–7
Age differences in P3–reaction time associations. Pfefferbaum A, et al. **Electroencephalogr Clin Neurophysiol** 1980 Aug; 49(3–4):257–65
Age–related changes in the latency of the visual evoked potential: influence of check size. Sokol S, et al. **Electroencephalogr Clin Neurophysiol** 1981 May; 51(5):559–62
Slowing of response time in young and middle–aged hypertensive patients. Light KC. **Exp Aging Res** 1975 Nov; 1(2):209–27
Relation of automatic postural responses and reaction–time voluntary movements of human leg muscles. Nashner LM, et al. **Exp Brain Res** 1981;43(3–4):395–405
Perceptual–-motor performance during the menstrual cycle. Hutt SJ, et al. **Horm Behav** 1980 Jun;14(2):116–25
Signal, noise, performance, and age. Welford AT. **Hum Factors** 1981 Feb;23(1):97–109
Study of the functional role of spatial synchronization of neocortical background potentials. II. Role of the level of spatial synchronization of cortical potentials for simple reaction time. Korol'kova TA, et al. **Hum Physiol** 1980 May–Jun;6(3):167–72
Reaction time as a measure of binocular interaction in human vision. Blake R, et al. **Invest Ophthalmol Vis Sci** 1980 Aug; 19(8):930–41
Relation between latency and redundancy–associated deficit in schizophrenic reaction time performance. Steffy RA, et al. **J Abnorm Psychol** 1980 Jun;89(3):419–27
An excitatory response preceding the silent period in masseter electromyographs. Fujii H, et al. **J Oral Rehabil** 1981 May;8(3):223–9
Control of reaction time performance involves the striatum. Condé H, et al. **J Physiol (Paris)** 1981 Apr;77(1):97–105
Laterality effects in response to offsets of tonal stimuli. Emmerich DS, et al. **Neuropsychologia** 1981;19(2):227–34
CNV and reaction time task in man: effects of inter–stimulus interval contingencies. Macar F, et al. **Neuropsychologia** 1980;18(4–5):585–90
Human vision favors centrifugal motion. Ball K, et al. **Perception** 1980;9(3):317–25
Gustatory reaction time in human adults. Yamamoto T, et al. **Physiol Behav** 1981 Apr;26(4):715–9
Modality (visual and tactile) and stimulus predictability influence contingent negative variation and reaction time. Deecke L, et al. **Prog Brain Res** 1980;54:301–8
The relation of P300 latency to reaction time as a function of expectancy. Duncan–Johnson CC, et al. **Prog Brain Res** 1980;54:717–22
On the utility of P3 latency and RT for studying cognitive processes. Ford JM, et al. **Prog Brain Res** 1980;54:661–7
The temporal development of early and late CNV in a simple discrimination paradigm: the effects of motor preparation and average reaction time. Fröhlich WD, et al. **Prog Brain Res** 1980;54:730–5
Aging effects in simple RT and voluntary movement paradigms. Loveless NE. **Prog Brain Res** 1980;54:547–51
Hemispheric involvement during a bimanual RT task: P300 and motor potential. Ragot R, et al. **Prog Brain Res** 1980; 54:736–41
Correct and incorrect responses in a choice reaction time task and the endogenous components of the evoked potential. Renault B, et al. **Prog Brain Res** 1980;54:547–54
Slow cortical potentials and response speed. Rockstroh B, et al. **Prog Brain Res** 1980;54:431–4
Differences in muscle activity before, during, and after responding in a simple reaction time task: schizophrenics vs. normals. Schneider RD, et al. **Psychiatry Res** 1979 Oct; 1(2):141–5
Reaction time facilitation in affective psychotic patients. Bruder G, et al. **Psychol Med** 1980 Aug;10(3):549–54
The psychological significance of task–induced tonic changes in somatic and autonomic activity. Svebak S, et al. **Psychophysiology** 1981 Jul;18(4):403–9
Phasic heart rate change and the U–shaped relationship between choice reaction time and auditory signal intensity. Van der Molen MW, et al. **Psychophysiology** 1980 Sep; 17(5):471–81
Modifications to the Bassin anticipation timer. Shea CH, et al. **Res Q Exerc Sport** 1981 May;52(2):278–80
Stimulus velocity, duration and uncertainty as determiners of response structure and timing accuracy. Shea CH, et al. **Res Q Exerc Sport** 1981 Mar;52(1):86–99
Dependence of reaction times on movement patterns in patients with Parkinson's disease and those with cerebellar degeneration. Nakamura R, et al. **Tohoku J Exp Med** 1980 Oct;132(2):153–8
Increment threshold and detection latency in the rod and cone systems. Geisler WS. **Vision Res** 1980;20(11):981–94
[Composite computerized method for the detection of slow–latency cortical potentials] Ursino F, et al. **Ann Laringol Otol Rinol Faringol** 1978;76(5–6):549–65 (Eng. Abstr.) **(Ita)**
[Reaction time experiment on absolute or relative functional specialization of the cerebral hemispheres in man] Anzola GP, et al. **Boll Soc Ital Biol Sper** 1980 Jul 15;56(13):1420–5 (Eng. Abstr.) **(Ita)**
[Cognitive tasks and simple reaction times: new observations] De Bastiani PL, et al. **Boll Soc Ital Biol Sper** 1980 Jul 15;56(13):1414–9 (Eng. Abstr.) **(Ita)**

[Study of simple reaction time to lateralized visual stimuli] Borutti G, et al. **Riv Neurol** 1980 May–Jun;50(3):193–211 (Eng. Abstr.) **(Ita)**

[Human reaction time upon presentation of probabilistic and lateralized signals] Krauklis AA, et al. **Zh Vyssh Nerv Deiat** 1980 Sep–Oct;30(5):908–11 (Eng. Abstr.) **(Rus)**

[Changes in human reaction time during adaptation to mountainous conditions] Leutin VP, et al. **Zh Vyssh Nerv Deiat** 1980 Jul–Aug;30(4):675–8 (Eng. Abstr.) **(Rus)**

REACTIVE DISORDERS see **ADJUSTMENT DISORDERS**

REACTIVE INHIBITION see under **INHIBITION (PSYCHOLOGY)**

REACTIVE SITE see **BINDING SITES**

READING

see related
DYSLEXIA, ACQUIRED

Discrimination function based on delayed auditory feedback in the diagnosis of functional psychoses. Baštecký J, et al. **Act Nerv Super (Praha)** 1979 Jul;Suppl 2:377–8

Evidence for direct visual access to letter identities. Haber RN, et al. **Acta Psychol (Amst)** 1980 Dec;46(3):181–92

Teaching reading to the deaf: an examination of teacher preparedness and practices. Coley JD, et al. **Am Ann Deaf** 1980 Oct;125(7):909–15

Introducing a core basal series through simplified media. Crain SM. **Am Ann Deaf** 1980 Sep;125(6):814–6

The validity and reliability of the cloze procedure as a measure of readability for prelingually, profoundly deaf students. LaSasso C. **Am Ann Deaf** 1980 Aug;125(5):559–63

The support services of library-media, curriculum, and reading at the Rochester School for the Deaf. Loysen GJ, et al. **Am Ann Deaf** 1980 Sep;125(6):662–73

A technique for teaching the unmotivated reader. Mothner H. **Am Ann Deaf** 1980 Aug;125(5):551–3

Captions and reading rates of hearing-impaired students. Shroyer EH, et al. **Am Ann Deaf** 1980 Oct;125(7):916–22

Focus on reading: project update. Stoefen JM, et al. **Am Ann Deaf** 1980 Sep;125(6):751–64

Application of the readability concept to patient-oriented drug information. Morris LA, et al. **Am J Hosp Pharm** 1980 Nov;37(11):1504–9

Logographic reading by TMR adults. House BJ, et al. **Am J Ment Defic** 1980 Sep;85(2):161–70

Effects of sensory integration treatment on the low-achieving college student. Angelo JK. **Am J Occup Ther** 1980 Oct; 34(10):671–5

Reading performance in low vision patients: relation to contrast and contrast sensitivity. Brown B. **Am J Optom Physiol Opt** 1981 Mar;58(3):218–26

Does your patient need a PhD to read your consent form? [editorial] Schrader ES. **AORN J** 1980 Jul;32(1):15, 18

Parental involvement and reading attainment. Hewison J, et al. **Br J Educ Psychol** 1980 Nov;50(Pt 3):209–15

Can alphabet recall be part of a visuo-spatial task? Hughes M, et al. **Br J Psychol** 1980 Nov;71(Pt 4):557–60

Phonological recoding and the Stroop effect. Naish P. **Br J Psychol** 1980 Aug;71(3):395–400

What does the lateral ear advantage relate to? Davidoff JB, et al. **Brain Lang** 1981 Mar;12(2):332–46

Reading between the lines: event-related brain potentials during natural sentence processing. Kutas M, et al. **Brain Lang** 1980 Nov;11(2):354–73

Shift of visual field preference for Hebrew words in native speakers learning to read. Silverberg R, et al. **Brain Lang** 1980 Sep;11(1):99–105

Stroop interference: hemispheric difference in Chinese speakers. Tsao YC, et al. **Brain Lang** 1981 Jul;13(2):372–8

Profiles of symbol-reading skills in organic patients. Wapner W, et al. **Brain Lang** 1981 Mar;12(2):303–12

Studies toward a model of laterality effects for picture and word naming. Young AW, et al. **Brain Lang** 1980 Sep; 11(1):54–65

Readability of patient education materials. Vivian AS, et al. **Clin Ther** 1980;3(2):129–36

Hemispheric asymmetry in the processing of Stroop stimuli: an examination of age and gender differences. Jorgenson CB, et al. **Int J Neurosci** 1981;13(2–3):113–6

Evaluation and research program for the Portable Braille Recorder (digicassette). Ashcroft SC, et al. **Int J Rehabil Res** 1980;3(1):89

A large print user study. Bell LJ. **Int J Rehabil Res** 1980; 3(2):250–2

Whole-word units are used before orthographic knowledge in perceptual development. McCaughey MW, et al. **J Exp Child Psychol** 1980 Dec;30(3):411–21

Reading skills of hearing and congenitally deaf children. Quinn L. **J Exp Child Psychol** 1981 Aug;32(1):139–61

Tracing the time course of picture--word processing. Smith MC, et al. **J Exp Psychol [Gen]** 1980 Dec;109(4):373–92

Reading and related processes. **J Exp Psychol [Hum Percept]** 1981 Jun;7(3):487–718

Context and the allocation of resources in word recognition. Larochelle S, et al. **J Exp Psychol [Hum Percept]** 1980 Nov;6(4):686–94

Masking of foveal and parafoveal vision during eye fixations in reading. Rayner K, et al. **J Exp Psychol [Hum Percept]** 1981 Feb;7(1):167–79

Color-word interference in a recall test. Sagi A. **J Gen Psychol** 1980 Jul;103(First Half):149–54

Vocal characteristics of normal speakers and stutterers during choral reading. Adams MR, et al. **J Speech Hear Res** 1980 Jun;23(2):457–69

A study of the reading fundamental vocal frequency of young black adults. Hudson AI, et al. **J Speech Hear Res** 1981 Jun;24(2):197–200

The effects of syllable structure on diadochokinetic and reading rates. Tiffany WR. **J Speech Hear Res** 1980 Dec; 23(4):894–908

Some notes on reading: talkers, material and reading rate. Umeda N, et al. **J Speech Hear Res** 1980 Mar;23(1):56–72

Comparison of stuttering frequencies during reading and speaking [letter] Young MA. **J Speech Hear Res** 1980 Mar; 23(1):216–7

Words reading in aphasics depending on exposure time and stimuli position in visual fields. Fradis A, et al. **Neurol Psychiatr (Bucur)** 1980 Oct–Dec;18(4):297–306

Hemispheric asymmetry in lexical access and phonological encoding. Barry C. **Neuropsychologia** 1981;19(3):473–8

Relationship between hand movements, reading competence and passage difficulty in braille reading. Davidson PW, et al. **Neuropsychologia** 1980;18(6):629–35

Lateral asymmetries for the identification of concrete and abstract Kanji. Elman JL, et al. **Neuropsychologia** 1981; 19(3):407–12

Differential processing of Kanji and Kana stimuli in Japanese people: some implications from Stroop–Test results. Hatta T. **Neuropsychologia** 1981;19(1):89–93

Effects of concurrent hemisphere-specific activity on unimanual tapping rate. Hellige JB, et al. **Neuropsychologia** 1981;19(3):395–405

An evoked potential correlate of reading ideographic and phonetic Japanese scripts. Hink RF, et al. **Neuropsychologia** 1980;18(4–5):455–64

Naming and discrimination of Chinese ideograms presented in the right and left visual fields. Huang YL, et al. **Neuropsychologia** 1980;18(6):703–6

Hemispheric asymmetries during six- to eight-year-olds performance of Piagetian conservation and reading tasks. Kraft RH, et al. **Neuropsychologia** 1980;18(6):637–43

Effects of text variables on eye movements in reading. Sanders DS, et al. **Pavlov J Biol Sci** 1980 Jan–Mar; 15(1):30–4

Prediction of kindergarteners' behavior on Metropolitan Readiness Tests from preschool perceptual and perceptual-motor performances: a validation study. Belka DE. **Percept Mot Skills** 1981 Jun;52(3):899–902

Preliminary investigation of transfer between single-word decoding ability and contextual reading comprehension by poor readers in grade six. Blanchard JS. **Percept Mot Skills** 1980 Dec;51(3 Pt 2):1271–81

Auditory-visual integration and its relationship to reading achievement: a meta-analysis. Kavale K. **Percept Mot Skills** 1980 Dec;51(3 Pt 1):947–55

Effects of age and reading ability on visual discrimination. Musatti T, et al. **Percept Mot Skills** 1981 Apr;51(2):537–8

Color-word connotative incongruity: a replication. Ridley DR. **Percept Mot Skills** 1980 Jun;50(3 Pt 2):1309–10

'I stumble... in my speech: like a hobbled... horse... hops...'--the nature and length of pauses in the reading of aphasics. Klatt HJ. **Psychol Res** 1980;41(2–3):199–209

A theory of reading: from eye fixations to comprehension. Just MA, et al. **Psychol Rev** 1980 Jul;87(4):329–54

Electrocortical signs of levels of processing: perceptual analysis and recognition memory. Sanquist TF, et al. **Psychophysiology** 1980 Nov;17(6):568–76

Readability and its application to poison prevention. Ross JW, et al. **Vet Hum Toxicol** 1981 Feb;23(1):29–32

[Flexibility of saccades and fixations during reading] Lévy-Schoen A. **Annee Psychol** 1980;80(1):121–36 (Eng. Abstr.) **(Fre)**

[The reading of medical publications--continuing medical education group medicine--auxiliary personnel] Doan BD. **Cah Sociol Demogr Med** 1980 Jan–Mar;20(1):51–8 **(Fre)**

[The role of the right hemisphere in reading (author's transl)] Goodglass H, et al. **Rev Neurol (Paris)** 1980;136(10):669–73 (Eng. Abstr.) **(Fre)**

READING DISABILITY, ACQUIRED see **DYSLEXIA, ACQUIRED**

READING DISABILITY, DEVELOPMENTAL see **DYSLEXIA**

REAGENT KITS, DIAGNOSTIC

Evaluation of a direct fluorescent antibody staining method for rapid identification of members of the bacteroides fragilis group. DeGirolami PC, et al. **Am J Clin Pathol** 1981 Jul;76(1):78–82

Inhibitor test for amylase isoenzymes: comparison with a simplified chromatographic method. Berk JE, et al. **Am J Gastroenterol** 1981 Feb;75(2):128–31

False-negative results of Hemoccult test in colorectal cancer. Griffith CD, et al. **Br Med J [Clin Res]** 1981 Aug 15; 283(6289):472

Stability of standard curves prepared for EMIT homogeneous enzyme immunoassay kits stored at room temperature after reconstitution. Bach PR, et al. **Clin Chem** 1980 Apr;26(5):652–4

Prostatic acid phosphatase as measured with two radioimmunoassay kits in the detection of prostatic adenocarcinoma. Brody JP, et al. **Clin Chem** 1981 Apr; 27(4):605–7

Official caution on CEA assay [letter] Dierksheide WC. **Clin Chem** 1981 Mar;27(3):507–8

Evaluation of a kit for early detection of pregnancy [letter] Ganguly M, et al. **Clin Chem** 1980 Oct;26(11):1628–9

Evaluation of the CIS-Sorin corticotropin kit [letter] Kocon RW, et al. **Clin Chem** 1981 Sep;27(9):1620

Clinical evaluation of two thyrotropin radioimmunoassay kits: human serum matrix calibrators and bovine serum matrix calibrators [letter] Kubasik NP, et al. **Clin Chem** 1981 Mar;27(3):504–5

Evaluation of a new ferritin radioimmunoassay kit [letter] Kubasik NP, et al. **Clin Chem** 1981 Mar;27(3):505

Evaluation of the Roche modified CPK-CS kit [letter] Lai K, et al. **Clin Chem** 1981 Sep;27(9):1620–1

Results with six 'kit' radioimmunoassays for primary bile acids in human serum intercompared. Roda A, et al. **Clin Chem** 1980 Nov;26(12):1677–82

Use of Sep-pak cartridges for urinary steroid extraction: evaluation of the method for use prior to gas chromatographic analysis. Shackleton CH, et al. **Clin Chim Acta** 1980 Nov 6;107(3):231–43

Identification of Pasteurella multocida and Pasteurella haemolytica by API 20E, Minitek, and Oxi/Ferm systems. Collins MT, et al. **J Clin Microbiol** 1981 Mar;13(3):433–7

Clinical laboratory evaluation of the Auto-Microbic system for rapid identification of Enterobacteriaceae. Hasyn JJ, et al. **J Clin Microbiol** 1981 Mar;13(3):491–7

Comparative evaluation of the Iatron serological Candida check kit and the API 20C kit for identification of medically important Candida species. Shinoda T, et al. **J Clin Microbiol** 1981 Mar;13(3):513–8

Evaluation of a new sensitive nitrite test as a reliable screening tool for bacteriuria. Rabi T. **J Clin Pathol** 1981 Jul;34(7):723–9

Use of the Streptosec test for grouping beta-haemolytic streptococci. Ross PW, et al. **J Clin Pathol** 1980 Jul; 33(7):691–3

A rapid slid coagglutination test-an alternative to the fluorescent antibody test for the identification of Neisseria gonorrhoeae. Shanker S, et al. **J Clin Pathol** 1981 Apr; 34(4):420–3

The use of Sep-Pak C18 cartridges during the isolation of gangliosides. Williams MA, et al. **J Neurochem** 1980 Jul; 35(1):266–9

Kit preparation of radioiodinated o-iodohippuran. Hinkle GH, et al. **J Pharm Sci** 1981 Mar;70(3):312–6

Comparative studies of a commercial kit for the estimation of serum ferritin. Thornton JA, et al. **Med Lab Sci** 1980 Jun;37(3):275–83

Evaluation of Micro-ID, for identification of Enterobacteriaceae. Izard D, et al. **Pathol Biol (Paris)** 1980 Dec;28(10):681–4

Problems in home monitoring of blood glucose. Pantin CF, et al. **Postgrad Med J** 1980 Nov;56(661):757–60

A portable laboratory kit for rapid diagnosis of infectious diseases. Sanborn WR. **WHO Chron** 1980 Oct;34(10):384–5

[Study of a kit for the search for HBs antigen by an enzymo-immunological method (author's transl)] Ferrua B, et al. **Ann Biol Clin (Paris)** 1980;38(4):237–42 (Eng. Abstr.) **(Fre)**

[Evaluation of three commercial kits for the estimation of total glycolysed hemoglobin: Hb A1 (author's transl)] Rosa J, et al. **Ann Biol Clin (Paris)** 1980;38(3):183–9 (Eng. Abstr.) **(Fre)**

[Diagnosis of colo-rectal tumor by means of hemocult (letter)] Moreaux J. **Nouv Presse Med** 1980 Nov 8; 9(42):3189 **(Fre)**

[Semiquantitative determination of glucose in urine with a new test kit] Sorger M, et al. **Med Klin** 1980 Aug 1; 75(16):587–91 (Eng. Abstr.) **(Ger)**

[Serum gastrin determination. Results of a comparison of 2 commercial kits] Ewers HR. **Med Welt** 1981 Jun 5; 32(23):902–6 **(Ger)**

[Comparison of API-10s and Minitek with conventional biochemical tests (author's transl)] Stanek G, et al. **Zentralbl Bakteriol [A]** 1980 Feb;246(1):67–73 (Eng. Abstr.) **(Ger)**

[The Reflotest system] Walder R. **ZFA (Stuttgart)** 1980 Oct 10;56(28):1841–2 **(Ger)**

[Comparative evaluation of different kits for serum digoxin determination (author's transl)] Angelino PF, et al. **G Ital Cardiol** 1980;10(8):1031–40 (Eng. Abstr.) **(Ita)**

[Fundamental and clinical evaluation of radioimmunoassay for serum thyroxine by T4 Corning RIA kit (author's transl)] Ban Y, et al. **Horumon To Rinsho** 1980 Nov; 28(11):1279–83 **(Jpn)**

[Fundamental and clinical evaluation of Corning triiodothyronine radioimmunoassay kit (author's transl)] Ban Y, et al. **Horumon To Rinsho** 1980 Jul;28(7):839–46 **(Jpn)**

[Fundamental and clinical evaluation of Corning free thyroxine radioimmunoassay kit (author's transl)] Ban Y, et al. **Horumon To Rinsho** 1980 Oct;28(10):1251–8 **(Jpn)**

[Fundamental study and clinical evaluation of a free thyroxine radioassay kit (gamma coat) (author's transl)]

Bito S, et al. **Horumon To Rinsho** 1980 Nov;28(11):1289–96 **(Jpn)**

[Fundamental and clinical evaluation of Spac T4 RIA Kit (author's transl)] Doi K, et al. **Horumon To Rinsho** 1980 Nov;28(11):1285–8 **(Jpn)**

[Fundamental and clinical evaluation of SPAC T3 uptake kit (author's transl)] Doi K, et al. **Horumon To Rinsho** 1980 Oct;28(10):1223–6 **(Jpn)**

[Improved method of radioimmunoassay for plasma renin activity in normal and low levels (author's transl)] Hamada K, et al. **Horumon To Rinsho** 1981 Jan;29(1):99–103 **(Jpn)**

[Studies on measurement of plasma IRG using glucagon RIA kit (author's transl)] Higa S, et al. **Horumon To Rinsho** 1980 Sep;28(9):1133–7 **(Jpn)**

[Fundamental and clinical evaluation of serum triiodothyronine (T3) by SPAC T3 RIA kit (author's transl)] Hiraiwa T, et al. **Horumon To Rinsho** 1981 Jan; 29(1):121–5 **(Jpn)**

[Solid phase radioimmunoassay of serum cortisol by SPAC Cortisol Kit (author's transl)] Hiramatsu R, et al. **Horumon To Rinsho** 1980;28(6):691–5 **(Jpn)**

[Solid phase radioimmunoassay of serum cortisol by Konsul Cortisol Kit (author's transl)] Hiramatsu R, et al. **Horumon To Rinsho** 1980;28(6):697–702 **(Jpn)**

[Fundamental and clinical studies on determination of serum free thyroxine by IMMO PHASE FT4 radioimmunoassay (author's transl)] Ikekubo K, et al. **Horumon To Rinsho** 1980 Oct;28(10):1259–64 **(Jpn)**

[Glucagon immunoassay kit using double antibody method (author's transl)] Ishikawa Y, et al. **Horumon To Rinsho** 1980 Sep;28(9):1139–43 **(Jpn)**

[Fundamental studies on quantitative measurement of serum thyroxine by competitive solid phase enzyme immunoassay (author's transl)] Izukura Y, et al. **Horumon To Rinsho** 1980 Sep;28(9):1121–6 **(Jpn)**

[Measurement of plasma cortisol by Gamma Coat (125I) Cortisol (author's transl)] Jibiki K, et al. **Horumon To Rinsho** 1980 Sep;28(9):1127–32 **(Jpn)**

[Fundamental and clinical studies on the measurement of serum PTH by using radioimmunoassay kit PTH 'Eiken'] Kadena N, et al. **Horumon To Rinsho** 1980 Jul;28(7):791–5 **(Jpn)**

[Fundamental and clinical evaluation of C-peptide RIA kit 'Shionogi' (author's transl)] Kanao K, et al. **Horumon To Rinsho** 1980 Nov;28(11):1353–9 **(Jpn)**

[Evaluation of RIA kit for determination of human calcitonin (author's transl)] Kanao K, et al. **Horumon To Rinsho** 1980 Nov;28(11):1395–8 **(Jpn)**

[Fundamental examination of PTH RIA Kit and its clinical use (author's transl)] Kanao K, et al. **Horumon To Rinsho** 1980 Apr;28(4):481–4 **(Jpn)**

[Fundamental and clinical evaluation of T4 radioimmunoassay by solid phase method. Phadebas T4 RIA Kit (S-8537) (author's transl)] Kawamura N, et al. **Horumon To Rinsho** 1980 Apr;28(4):437–42 **(Jpn)**

[Basic evaluation of myoglobin RIA kit (PEG method) (author's transl)] Kishi M, et al. **Horumon To Rinsho** 1980 Aug;28(8):963–8 **(Jpn)**

[Fundamental investigation and clinical application of glucagon RIA kit 'Dainabot' (author's transl)] Kondo M, et al. **Horumon To Rinsho** 1980 Apr;28(4):467–70 **(Jpn)**

[Fund .mental and clinical evaluation of IMMO Phase T4 RIA kit (author's transl)] Kousaka T, et al. **Horumon To Rinsho** 1980 Sep;28(9):1079–83 **(Jpn)**

[Fundamental and clinical evaluation of IMMOPHASE TBG RIA kit (Corning) (author's transl)] Kousaka T, et al. **Horumon To Rinsho** 1980 Oct;28(10):1265–71 **(Jpn)**

[Clinical application of the prolactin radioimmunoassay kit (author's transl)] Kubota T, et al. **Horumon To Rinsho** 1980 Nov;28(11):1405–9 **(Jpn)**

[Clinical study of rT3 kit (author's transl)] Kurihara S, et al. **Horumon To Rinsho** 1980 Aug;28(8):945–50 **(Jpn)**

[Investigation of Phadebas dry spot TSH test (author's transl)] Kuroda Y, et al. **Horumon To Rinsho** 1980 Oct; 28(10):1273–7 **(Jpn)**

[Studies on RIA of TSH, 'RIA-gnost kit' (author's transl)] Masuoka T, et al. **Horumon To Rinsho** 1980 Aug; 28(8):993–6 **(Jpn)**

[Measurement of free thyroxine in serum with radioimmunoassay (author's transl)] Mitsuma T, et al. **Horumon To Rinsho** 1981 Jan;29(1):127–31 **(Jpn)**

[Radioimmunoassay for human TSH (author's transl)] Mitsuma T, et al. **Horumon To Rinsho** 1980 Nov; 28(11):1329–33 **(Jpn)**

[Measurement of triiodothyronine by solid phase radioimmunoassay (author's transl)] Mitsuma T, et al. **Horumon To Rinsho** 1980 Aug;28(8):975–8 **(Jpn)**

[Basic evaluation of 'Corning' RIA Kit with solid phase method for T3 determination (author's transl)] Morita O, et al. **Horumon To Rinsho** 1980 Nov;28(11):1305–9 **(Jpn)**

[Studies on testosterone 125I-radioimmunoassay 'Eiken' and its application to the HCG test in endocrine disorders (author's transl)] Murakami O, et al. **Horumon To Rinsho** 1980 Apr;28(4):461–5 **(Jpn)**

[Studies on TBG measurement with radioimmunoassay kit (author's transl)] Nakagawa T, et al. **Horumon To Rinsho** 1980 Oct;28(10):1237–43 **(Jpn)**

[Measurement of plasma cortisol by solid phase radioimmunoassay (author's transl)] Nanno M, et al. **Horumon To Rinsho** 1980 Nov;28(11):1415–20 **(Jpn)**

[Fundamental studies on secretin-radioimmunoassay kit method and the results of its clinical application (author's transl)] Narasaki Y, et al. **Horumon To Rinsho** 1980 Oct; 28(10):1211–5 **(Jpn)**

[Clinical evaluation of Konsul cortisol RIA kit as a method of serum cortisol estimation. (author's transl)] Niinomi M, et al. **Horumon To Rinsho** 1980;28(6):685–90 **(Jpn)**

[Radioimmunoassay of serum triiodothyronine by the SPAC-T3 kit (author's transl)] Nishibata H, et al. **Horumon To Rinsho** 1980 Jul;28(7):797–801 **(Jpn)**

[Studies on the determination of cortisol by Gamma Coat kit (author's transl)] Nishikawa T, et al. **Horumon To Rinsho** 1980 Apr;28(4):471–6 **(Jpn)**

[Radioimmunoassay of plasma pancreatic glucagon using a specific anti-glucagon sera (OAL-123) (author's transl)] Nishimura N, et al. **Horumon To Rinsho** 1980 Sep; 28(9):1109–13 **(Jpn)**

[Detection of digoxin concentration by Phadebas digoxin RIA (author's transl)] Nomura A, et al. **Horumon To Rinsho** 1980 Jul;28(7):827–31 **(Jpn)**

[Measurement of glucagon by radioimmunoassay kit (author's transl)] Ohneda A, et al. **Horumon To Rinsho** 1981 Feb; 29(2):265–9 **(Jpn)**

[Examination of HFSH 'Eiken' and HLH 'Eiken' kits (author's transl)] Okamura T, et al. **Horumon To Rinsho** 1980 Jul;28(7):785–90 **(Jpn)**

[Basic evaluation of 'SPAC' RIA with solid phase method for cortisol determination (author's transl)] Okuda G, et al. **Horumon To Rinsho** 1980 Jul;28(7):803–8 **(Jpn)**

[Radioimmunoassay of plasma pancreatic glucagon using a pancreatic glucagon specific antiserum (author's transl)] Okumura N, et al. **Horumon To Rinsho** 1980 Aug; 28(8):979–83 **(Jpn)**

[Experience of Gamma Dab AFP radioimmunoassay kit (author's transl)] Okura H, et al. **Horumon To Rinsho** 1980 Nov;28(11):1381–7 **(Jpn)**

[Studies on Gamma Coat (125I) Cortisol Kit for the clinical application (author's transl)] Oseko F, et al. **Horumon To Rinsho** 1980 Aug;28(8):999–1004 **(Jpn)**

[Basic and clinical evaluation of alpha-fetoprotein radioimmunoassay kit (author's transl)] Otsuka S, et al. **Horumon To Rinsho** 1980 Nov;28(11):1375–9 **(Jpn)**

[Studies on 'Gamma Coat' kit to determine plasma or urinary cortisol (author's transl)] Saito Z, et al. **Horumon To Rinsho** 1980;28(6):673–6 **(Jpn)**

[Studies on a new radioimmunoassay kit for glucagon (author's transl)] Sakurai H, et al. **Horumon To Rinsho** 1981 Feb;29(2):271–6 **(Jpn)**

[Studies on the TSH kit 'Daiichi' precipitate stabilizer (author's transl)] Sato R, et al. **Horumon To Rinsho** 1980 Nov;28(11):1335–9 **(Jpn)**

[Fundamental and clinical studies on Konsul cortisol RIA kit with solid phase (author's transl)] Shimozawa K, et al. **Horumon To Rinsho** 1980 Jul;28(7):809–14 **(Jpn)**

[Fundamental and clinical studies on Glucagon RIA kit (author's transl)] Shirayama K, et al. **Horumon To Rinsho** 1980 Aug;28(8):951–5 **(Jpn)**

[Preliminary evaluation and clinical application of SPAC cortisol kit (solid phase RIA) (author's transl)] Sueoka S, et al. **Horumon To Rinsho** 1980 Sep;28(9):1101–7 **(Jpn)**

[Fundamental and clinical evaluation of FSH and LH using FSH RIA RAC and LH RIA PAC (author's transl)] Tajima C, et al. **Horumon To Rinsho** 1980 Apr;28(4):447–53 **(Jpn)**

[Mensuration of triiodothyronine in blood with SPAC T3 RIA Kit (author's transl)] Tatemichi S, et al. **Horumon To Rinsho** 1980 Nov;28(11):1297–304 **(Jpn)**

[A study of the glucagon RIA kit (author's transl)] Tominaga M, et al. **Horumon To Rinsho** 1980 Nov;28(11):1323–7 **(Jpn)**

[Fundamental studies and clinical application of the radioimmunoassay kit for glucagon (DRL-9H6-1125) (author's transl)] Tominaga M, et al. **Horumon To Rinsho** 1980 Oct;28(10):1231–5 **(Jpn)**

[Basic and clinical studies on human calcitonin RIA kit (author's transl)] Tomita A, et al. **Horumon To Rinsho** 1981 Jan;29(1):109–13 **(Jpn)**

[A study on the determination of plasma renin activity (Pharmacia Kit) (author's transl)] Tomiura S, et al. **Horumon To Rinsho** 1980 Aug;28(8):985–91 **(Jpn)**

[Measurement of plasma aldosterone concentration using 125I-aldosterone and antibody-coated tube method, and age-related changes of plasma aldosterone concentration (author's transl)] Ueno Y, et al. **Horumon To Rinsho** 1981 Jan;29(1):85–9 **(Jpn)**

[The evaluation of the screening kit for cretinism 'Daiichi' for TSH assay using filter paper blood samples (author's transl)] Umeda M, et al. **Horumon To Rinsho** 1981 Jan; 29(1):115–20 **(Jpn)**

[Radioimmunoassay for pancreatic glucagon (author's transl)] Yamada Y, et al. **Horumon To Rinsho** 1980 Sep; 28(9):1115–9 **(Jpn)**

[Rapid immunoassay of LH, FSH by addition of precipitating stabilizer: basic and clinical studies] Yamoto M, et al. **Horumon To Rinsho** 1980 Jul;28(7):815–9 **(Jpn)**

[Basic and clinical study of hCG--beta measured by hCG-beta test kit (author's transl)] Yanaihara T, et al. **Horumon To Rinsho** 1981 Jan;29(1):105–8 **(Jpn)**

[Assessment of thyroid function by the Phadebas T4 RIA (author's transl)] Yonezawa K, et al. **Horumon To Rinsho** 1980;28(6):717–20 **(Jpn)**

[The basic and clinical evaluation of serum PTH by using PTH RIA Kit (CIS) (author's transl)] Yoshida H, et al. **Horumon To Rinsho** 1980 Apr;28(4):477–80 **(Jpn)**

[The examination for radioimmunoassay cyclic nucleotide kit of Hoechst (author's transl)] Yoshida M, et al. **Horumon To Rinsho** 1980 Nov;28(11):1361–7 **(Jpn)**

[An evaluation of Konsul Insulin Kit in the insulin radioimmunoassay (author's transl)] Yoshida S, et al. **Horumon To Rinsho** 1980 Nov;28(11):1311–4 **(Jpn)**

[An in-vitro test of thyroid function by T3 Uptake (MAA) Kit (author's transl)] Yoshii H, et al. **Horumon To Rinsho** 1980 Apr;28(4):443–6 **(Jpn)**

[Measurement of serum ferritin levels by CIS ferritin RIA kit and significance of ferritin--iron ratio in diagnosis of malignancies (author's transl)] Yoshii M, et al. **Horumon To Rinsho** 1981 Feb;29(2):257–64 **(Jpn)**

[Fundamental and clinical studies of 'glucagon kit (Daiichi)' (author's transl)] Adachi H, et al. **Kaku Igaku** 1981 Mar; 18(2):221–7 **(Jpn)**

[Fundamental and clinical evaluation of C-peptide radioimmunoassay kit (author's transl)] Fukuchi M, et al. **Kaku Igaku** 1980 Dec;17(10):1315–24 **(Jpn)**

[An evaluation of a T3 radioimmunoassay kit using Solid Phase method: SPAC T3 RIA kit (author's transl)] Koizuma K, et al. **Kaku Igaku** 1980 Aug;17(7):833–8 **(Jpn)**

[Evaluation of a solid-phase radioimmunoassay kit for free thyroxine, GammaCoat FT4 (author's transl)] Konishi J, et al. **Kaku Igaku** 1980 Sep;17(8):963–70 **(Jpn)**

[Studies on the measurement of serum triiodothyronine with 'Amerlex T3 RIA' kit (author's transl)] Watanabe S, et al. **Kaku Igaku** 1981 Mar;18(2):265–72 **(Jpn)**

[Radioimmunoassay for triiodothyronine and thyroxine--fundamental and clinical studies of Amerlex T3, T4 (author's transl)] Yoshii H, et al. **Kaku Igaku** 1981 Mar; 18(2):237–43 **(Jpn)**

[Measurement of serum ferritin values double antibody radioimmunoassay kit (author's transl)] Yoshii M, et al. **Kaku Igaku** 1980 Dec;17(10):1325–32 **(Jpn)**

[Evaluation of Anti HBc RIA Kit (CORAB) (author's transl)] Kanamori I, et al. **Radioisotopes** 1980 Aug;29(8):395–7 **(Jpn)**

[Evaluation of anti HA-RIA Kit (HAVAB) (author's transl)] Kanamori I, et al. **Radioisotopes** 1980 Sep;29(9):446–8 **(Jpn)**

[Evaluation of T3-uptake using T3-uptake MAA kit (author's transl)] Kawakami R, et al. **Radioisotopes** 1980 Apr;29(4):191–3 **(Jpn)**

[Evaluation of radioimmunoassay kit using gamma-coat plasma renin activity (author's transl)] Kawazoe O, et al. **Radioisotopes** 1980 Jun;29(6):295–8 **(Jpn)**

[Determination of triiodothyronine in serum by RIA kit of Amerlex T3 (author's transl)] Kinoshita F, et al. **Radioisotopes** 1980 Aug;29(8):389–91 **(Jpn)**

[Determination of triiodothyronine in serum by RIA kit of SPAC T3 (author's transl)] Kosuda S, et al. **Radioisotopes** 1980 Aug;29(8):386–8 **(Jpn)**

[Comparative studies of two PTH RIA kit (PTH 'Eiken' and PTH.I-125 (CIS)) (author's transl)] Kousaka T, et al. **Radioisotopes** 1980 Jun;29(6):292–4 **(Jpn)**

[Fundamental Studies of IMMO PHASE kit for serum insulin (author's transl)] Nagata A, et al. **Radioisotopes** 1980 Dec; 29(12):608–10 **(Jpn)**

[Radioimmunoassay of triiodothyronine (T3) by solid phase method -- studies of SPAC T3 RIA kit (author's transl)] Sekimoto M, et al. **Radioisotopes** 1980 Dec;29(12):611–3 **(Jpn)**

[Determination of triiodothyronine in serum by RIA kit of SPAC T3 (author's transl)] Shimoji A, et al. **Radioisotopes** 1980 Aug;29(8):382–5 **(Jpn)**

[Determination of thyroxine in serum by RIA kit of Amerlex T4 (author's transl)] Takagi Y, et al. **Radioisotopes** 1980 Aug;29(8):392–4 **(Jpn)**

[Studies on plasma glucagon radioimmunoassay kit and plasma glucagon responses to oral glucose load and insulin induced hypoglycemia in healthy subjects (author's transl)] Tenku A, et al. **Radioisotopes** 1980 Jul;29(7):346–8 **(Jpn)**

[Studies on the quantitative measurement of HBs antigen by radioimmunoassay kit (author's transl)] Tsuruta H, et al. **Radioisotopes** 1981 Jan;30(1):31–4 **(Jpn)**

[Studies on new radioenzymatic assay kit for catecholamine determination and plasma levels of catecholamines (author's transl)] Nakai T, et al. **Rinsho Byori** 1980 Sep; 28(9):915–9 **(Jpn)**

[Basic and clinical studies on SPAC ferritin kit (author's transl)] Kurane R, et al. **Rinsho Ketsueki** 1980 Mar; 21(3):308–19 (Eng. Abstr.) **(Jpn)**

[Should diabetics measure their own blood sugar? A trial with a new simple method without apparatus] Gjemdal T, et al. **Tidsskr Nor Laegeforen** 1981 May 10; 101(13):777–80 (Eng. Abstr.) **(Nor)**

[Candida Microstix. A diagnostic aid in dermato-venereology] Svindland HB. **Tidsskr Nor Laegeforen** 1980 Oct 20;100(29):1726–7 (Eng. Abstr.) **(Nor)**

[Validity of the Radonja test reagent in determining proteins] Majkić N, et al. **Vojnosanit Pregl** 1980 Jul-Aug; 37(4):269–74 **(Scr)**

[Validity of the Radonja reagent test for the determination of cholesterol] Majkić N, et al. **Vojnosanit Pregl** 1980 Nov-Dec;37(6):437–41 **(Scr)**

STANDARDS

Comparative evaluation of radioimmunoassay kits used for

testing blood for hepatitis B surface antigen. Nath N, et al. **Am J Clin Pathol** 1981 Feb;75(2):214–8

Inability of the API-20E system to speciate the fluorescent group of pseudomonads. Woolfrey BF, et al. **Am J Clin Pathol** 1981 Feb;75(2):211–3

Valproic acid estimation by enzyme immunoassay. Elyas AA, et al. **Ann Clin Biochem** 1980 Nov;17(6):307–10

A recommended scheme for the evaluation of kits in the clinical laboratory. Percy-Robb IW, et al. **Ann Clin Biochem** 1980 Sep;17(5):217–26

Comparison of digoxin analysis by EMIT with Immophase and Dac-Cel radioimmunoassay. Rumley AG, et al. **Ann Clin Biochem** 1980 Nov;17(6):315–8

Evaluation of a commercial enzymatic method for the determination of total serum bile acids. Tobiasson P, et al. **Ann Clin Biochem** 1980 Nov;17(6):301–6

Comparison of the Ontario Ministry of Health dipspoon with Uricult and Microstix-3 as methods of screening for bacteriuria. Arbus GS, et al. **Can Med Assoc J** 1981 Jan 1;124(1):48–50

Evaluation of the C-System cholesterol kit (BMC) on the Abbott ABA-100. Mori L, et al. **Clin Biochem** 1980 Dec; 13(6):295–6

Erroneous reference to a candidate reference method [letter] Duncan PH, et al. **Clin Chem** 1981 Jul;27(7):1313–4

Lot-to-lot variation in three thyroid-related radioimmunoassay kits. Zweig MH, et al. **Clin Chem** 1980 Apr;26(5):646–8

The accuracy and standardization of TBG kits. Howorth PJ, et al. **Clin Endocrinol (Oxf)** 1980 Nov;13(5):473–7

Policy statement on materials for testing glucose in the urine. The Committee on Materials and Therapeutic Agents, American Diabetes Association. Kohler E. **Diabetes Care** 1978 Jan-Feb;1(1):64–7

Determination of cholic and chenodeoxycholic acid in serum: evaluation of two commercial radioimmunoassay methods. Källberg M, et al. **J Clin Chem Clin Biochem** 1980 Aug; 18(8):491–5

Evaluation of commercially available diagnostic test kits for rubella. Castellano GA, et al. **J Infect Dis** 1981 Apr; 143(4):578–84

Unreliability of radiodilution assays as screening tests for cobalamin (vitamin B12) deficiency. Cohen KL, et al. **JAMA** 1980 Oct 24–31;244(17):1942–5

Activated partial thromboplastin time. A multicenter evaluation of 11 reagents in the screening of mild haemophilia A. **Scand J Haematol** 1980 Oct;25(4):308–17

Kidney stone analysis. Larsson L. **Scand J Urol Nephrol [Suppl]** 1980;53:97–9

[Fundamental and clinical evaluations of the measurement of triiodothyronine. Uptake with MAA (macroaggregated albumin) (author's transl)] Ban Y, et al. **Horumon To Rinsho** 1981 Feb;29(2):251–5 **(Jpn)**

[Fundamental evaluation of SPAC T3 radioimmunoassay kit (author's transl)] Ohta A, et al. **Horumon To Rinsho** 1980 Oct;28(10):1217–22 **(Jpn)**

[The 2nd quality control survey for radioisotope in vitro tests in Japan, 1979 (author's transl)] **Radioisotopes** 1981 Jan; 30(1):56–65 **(Jpn)**

SUPPLY & DISTRIBUTION

AFP kit restrictions draw industry opposition [news] Pollner F. **Am Pharm** 1981 Apr;21(4):6–7

UTILIZATION

Use in tropical areas of a portable kit for rapid diagnosis of infectious diseases. Sanborn WR. **WHO Chron** 1981 Feb; 35(2):54–5

REAGENT STRIPS see under **INDICATORS AND REAGENTS**

REAGENTS see **INDICATORS AND REAGENTS**

REAGINS see under **ANTIBODIES**

REALITY TESTING see under **EGO**

REALITY THERAPY

Reality orientation for the institutionalized aged: does it help? Schwenk MA. **Gerontologist** 1979 Aug;19(4):373–7

Geriatric paranoia: case report illustrating behavioral management. Brink TL. **J Am Geriatr Soc** 1980 Nov; 28(11):519–22

Evaluation of a yearlong reality orientation program. Zepelin H, et al. **J Gerontol** 1981 Jan;36(1):70–7

METHODS

The comparative effectiveness of three versions of 'classroom' reality orientation. Johnson CH, et al. **Age Ageing** 1981 Feb;10(1):33–5

RECALL see under **MEMORY**

RECEPTORS, ADRENERGIC

Prostaglandins, steroids and reception (an attempt to model the structure of the active centers of adrenoreception). Podymov VK, et al. **Biol Bull Acad Sci USSR** 1980 Jan-Feb;7(1):19–32

In vivo characterization of the adrenergic receptors in the working canine heart. Cousineau D, et al. **Circ Res** 1981 Aug;49(2):501–10

Uneven distribution of postjunctional alpha 1-and alpha 2-like adrenoceptors in canine arterial and venous smooth muscle. De Mey J, et al. **Circ Res** 1981 Jun;48(6 Pt 1):875–84

Relative location of alpha- and beta-adrenoceptors to sites of release of sympathetic transmitter in the rabbit facial vein. Winquist RJ, et al. **Circ Res** 1981 Aug;49(2):486–92

A probe for the organization of the beta-adrenergic receptor-regulated adenylate cyclase system in turkey erythrocyte membranes by the use of a complementation assay. Lad PM, et al. **FEBS Lett** 1980 Dec 29;122(2):179–83

[Classification of alpha receptors] Kather H, et al. **Med Klin** 1981 Jul 17;76(15):416–8 **(Ger)**

ANALYSIS

Characterization and quantitation of alpha-adrenergic receptor subtypes in rat hypothalamus. Neethling AC, et al. **Biochem Pharmacol** 1981 Mar 15;30(6):565–9

Decreased concentration of myocardial alpha-adrenoceptors with increasing age in foetal lambs. Cheng JB, et al. **Br J Pharmacol** 1980 Dec;70(4):515–7

Cardiac beta-adrenoreceptors in the thyroxine-treated dog. Ho K, et al. **Clin Exp Pharmacol Physiol** 1981 Mar-Apr; 8(2):183–7

The beta-adrenoreceptor in human lymphocytes. Watanabe Y, et al. **Clin Exp Pharmacol Physiol** 1981 May/June; 8(3):273–6

Preponderance of beta-adrenergic binding sites in pancreatic islet cells of the rat. Cherksey B, et al. **Diabetes** 1981 Feb; 30(2):172–4

Relation between brain catecholamine receptors and dopaminergic stereotypy in rat strains. Helmeste DM, et al. **Eur J Pharmacol** 1981 Feb 19;69(4):465–70

Autonomic receptors in smooth muscle of cat urinary bladder. Miranda H, et al. **Gen Pharmacol** 1981;12(1):37–40

Characterization of the atrial alpha-receptor of the rat as a subgroup of the postsynaptic alpha-adrenoceptor. Stene-Larsen G. **Gen Pharmacol** 1980;11(6):575–81

Adrenergic alpha receptors outnumber beta receptors in human penile corpus cavernosum. Levin RM, et al. **Invest Urol** 1980 Nov;18(3):225–6

Human lymphocyte beta-adrenergic receptors are unaltered with age. Abrass IB, et al. **J Gerontol** 1981 May; 36(3):298–301

Postsynaptic alpha-2 adrenergic receptors in isolated rat islets of Langerhans: inhibition of insulin release and cyclic 3':5'-adenosine monophosphate accumulation. Nakaki T, et al. **J Pharmacol Exp Ther** 1981 Mar;216(3):607–12

Characterization of alpha-1 adrenergic receptors in the heart using [3H]WB4101: effect of 6-hydroxydopamine treatment. Yamada S, et al. **J Pharmacol Exp Ther** 1980 Oct;215(1):176–85

Changes in alpha-adrenergic receptors in rat brain in vitro by preincubation with alpha-adrenergic ligands. Hata F, et al. **Jpn J Pharmacol** 1980 Aug;30(4):570–4

Alpha-adrenergic receptors in liver membranes: delineation with subtype selective radioligands. Hoffman BB, et al. **Life Sci** 1981 Jan 19;28(3):265–72

Identification and characterization of a beta 1-adrenergic receptor in the rat Sertoli cell. Heindel JJ, et al. **Mol Cell Endocrinol** 1981 Jun;22(3):349–58

Decreased lymphocyte beta-adrenergic-receptor density in patients with heart failure and tolerance to the beta-adrenergic agonist pirbuterol. Colucci WS, et al. **N Engl J Med** 1981 Jul 23;305(4):185–90

Increased numbers of beta receptors in orthostatic hypotension due to autonomic dysfunction. Hui KK, et al. **N Engl J Med** 1981 Jun 11;304(24):1473–6

Do the intracellular beta adrenoreceptors exist in the rabbit auricle. Tuganowski W, et al. **Pol J Pharmacol Pharm** 1981 Jan-Feb;33(1):49–52

Beta-adrenergic receptors of human polymorphonuclear leukocytes. Lee TP, et al. **Res Commun Chem Pathol Pharmacol** 1981 Mar; 31(3):453–62

Photoaffinity labeling of the beta-adrenergic receptor: lack of evidence for spare receptors in the reticulocyte. Wrenn SM Jr, et al. **Trans Assoc Am Physicians** 1980;93:218–29

Identification of different subgroups of beta-receptors by means of binding studies in guinea-pig and human lung. Engel G. **Triangle** 1980;19(2):69–76

[Direct beta-adrenergic receptor assay of rabbit lung-effects of isoproterenol, salbutamol and prednisolone (author's transl)] Izumi T, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Dec; 18(12):892–8 (Eng. Abstr.) **(Jpn)**

BIOSYNTHESIS

Thyroid dependent maturation of beta-adrenergic receptors in the rat lung. Whitsett JA, et al. **Biochem Biophys Res Commun** 1980 Dec 16;97(3):913–7

BLOOD

Triiodothyronine-induced thyrotoxicosis increases mononuclear leukocyte beta-adrenergic receptor density in man. Ginsberg AM, et al. **J Clin Invest** 1981 Jun; 67(6):1785–91

CLASSIFICATION

Evidence for two subtypes of alpha adrenergic receptors in canine airway smooth muscle. Leff AR, et al. **J Pharmacol Exp Ther** 1981 May;217(2):530–5

Postsynaptic alpha adrenergic receptor subtypes differentiated by yohimbine in tissues from the rat. Existence of alpha-2 adrenergic receptors in rat aorta. Ruffolo RR Jr, et al. **J Pharmacol Exp Ther** 1981 May; 217(2):235–40

Alpha-adrenoceptor subclassification. Starke K. **Rev Physiol Biochem Pharmacol** 1981;88:199–236 (177 ref.)

[Evolution of the classification of adrenergic receptors] Juchmés J. **Rev Med Liege** 1981 Mar;36(5):197–203 **(Fre)**

DRUG EFFECTS

Dopaminergic and adrenergic effects on plasma LH levels in rats with hypothalamic islands. van Dieten JA, et al. **Acta Endocrinol (Copenh)** 1981;97(3):289–96

Effect of the blockade of adrenergic, serotoninergic and cholinergic receptors of the central nervous system on the action of prostaglandin F2 alpha in rat. Brus R. **Acta Med Pol** 1981;22(1):1–6

Comparison of beta 1- and beta 2-receptor stimulation in oestrogen or progesterone dominated rat uterus. Johansson SR, et al. **Acta Pharmacol Toxicol (Copenh)** 1980 Oct; 47(4):252–8

Differential beta-adrenergic sensitivity of atrial tissue assessed by chronotropic and inotropic responses to several sympathomimetic amines. Marquez MT, et al. **Acta Physiol Lat Am** 1978;28(4–5):193–9

Central action of adrenaline. Jagiełło-Wójtowicz E. **Acta Physiol Pol** 1981 Mar-Apr;32(2):169–80

Influence of alpha and beta adrenergic receptors blockade on the adrenolytic effect of muscular work. Janczewska H, et al. **Acta Physiol Pol** 1980;31(5):469–74

Adrenergic reactions of sheep rumen in vivo. Kania BF. **Acta Physiol Pol** 1980 Jul-Aug;31(4):349–56

Adrenergic reactions of sheep rumen in vitro. Kania BF. **Acta Physiol Pol** 1980 Jul-Aug;31(4):341–8

Central pre- and postsynaptic monoamine receptors in antidepressant therapy. Svensson TH, et al. **Acta Psychiatr Scand [Suppl]** 1981;63(Suppl 290):67–78

Adrenergic and cholinergic responses in the uteroplacental vascular bed of the guinea pig. Egund N, et al. **Acta Radiol [Diagn] (Stockh)** 1980;21(3):389–96

Studies on the vincamine-papaverine association. V. Interference with alpha receptors. Experimental study. Costrini R, et al. **Agressologie** 1979;20(4):217–20

Studies on the vincamine-papaverine association. VI. Interference with alpha receptors. Preliminary clinical evidence. Pedini G, et al. **Agressologie** 1979;20(4):221–3

Effect of Bordetella pertussis vaccination in mice and the isolated tracheal response to isoprenaline. Bartell TE, et al. **Allergy** 1980 Jun;35(4):291–6

Antidepressants and alpha 2-adrenergic autoreceptor desensitization. Siever LJ, et al. **Am J Psychiatry** 1981 May; 138(5):681–2

Long-term effects of metaproterenol in asthmatic children. Sackner MA, et al. **Am Rev Respir Dis** 1977 Jun; 115(6):945–53

Halothane effect on beta-adrenergic receptors in canine myocardium. Bernstein KJ, et al. **Anesth Analg (Cleve)** 1981 Jun;60(6):401–5

A study on beta-adrenergic receptors in children with asthmatic bronchitis. Badr-el-Din MK, et al. **Ann Allergy** 1981 Jun;46(6):336–7

Differences in the effects of acetylcholine on the vas deferens from normal and castrated rats. A participation of adrenergic mechanisms. Agostini M del C, et al. **Arch Int Pharmacodyn Ther** 1981 Apr;250(2):212–20

Prazosin protects vascular alpha-adrenoceptors against irreversible blockade by phenoxybenzamine. Greif J, et al. **Arch Int Pharmacodyn Ther** 1980 Mar;244(1):41–7

Effect of labetalol on adrenoceptors in the isolated perfused rat mesentery. Gulati N, et al. **Arch Int Pharmacodyn Ther** 1980 Aug;246(2):251–6

Hypotensive effect of labetalol on intraocular pressure in rabbits: in relation to its alpha- and beta-adrenergic blocking action on the cardiovascular system. Kogure H, et al. **Arch Int Pharmacodyn Ther** 1981 Mar;250(1):109–22

Effects of dopamine and its antagonist domperidone cannot be explained by an effect on alpha 1-adrenergic receptors. Schuurkes JA, et al. **Arch Int Pharmacodyn Ther** 1981 Apr; 250(2):324–7

On the coexistence of beta 1- and beta 2-adrenoceptors in various organs. Wagner J, et al. **Arch Int Pharmacodyn Ther** 1981 Jan;249(1):26–38

Pre- and postsynaptic alpha-adrenergic effects of the antihypertensive drug budralazine. Shibamura S, et al. **Arzneimittelforsch** 1981;31(7):1076–9

Preferential uncoupling by manganese of alpha adrenergic receptor mediated.inhibition of adenylate cyclase in human platelets. Hoffman BB, et al. **Biochem Biophys Res Commun** 1981 May 29;100(2):724–31

Influence of clonidine-like hypotensive drugs on adrenergic platelet reactions. Glusa E, et al. **Biochem Pharmacol** 1981 Jun 1;30(11):1359–60

Use of cell fusion techniques to probe the mechanism of catecholamine-induced desensitization of adenylate cyclase in frog erythrocytes. Pike LJ, et al.

Biochim Biophys Acta 1980 Oct 15;632(3):354–65

Receptors, adenylate cyclase, depression, and lithium. Belmaker RH. **Biol Psychiatry** 1981 Apr;16(4):333–50

The effect on paracetamol absorption of stimulation and blockade of beta-adrenoceptors. Clark RA, et al. **Br J Clin Pharmacol** 1980 Dec;10(6):555–9

Bronchial and cardiac beta-adrenoceptor blockade--a comparison of atenolol, acebutolol and labetalol. Gribbin HR, et al. **Br J Clin Pharmacol** 1981 Jul;12(1):61–5

Pharmacokinetics, beta-adrenoceptor blockade and anti-hypertensive action of labetalol during chronic oral treatment. Sanders GL, et al. **Br J Clin Pharmacol** 1980 Aug;10(2):121–6

Hypotensive and sedative effects of alpha-adrenoceptor agonists: relationship to alpha 1- and alpha 2-adrenoceptor potency. Clough DP, et al. **Br J Pharmacol** 1981 Jul; 73(3):595–604

The occurrence of postsynaptic alpha- and beta-adrenoceptors in the guinea-pig gall bladder. Doggrell SA, et al. **Br J Pharmacol** 1980;71(1):185–9

Pharmacological differentiation of presynaptic inhibitory alpha-adrenoceptors and opiate receptors in the cat nictitating membrane. Dubocovich ML, et al. **Br J Pharmacol** 1980 Nov;70(3):383–93

The effects of alpha- and beta-adrenoceptor activation on tension and membrane properties of the longitudinal smooth muscle of the chicken rectum. Komori S, et al. **Br J Pharmacol** 1980;71(2):479–88

The influence of hormonal and neuronal factors on rat heart adrenoceptors. Kunos G, et al. **Br J Pharmacol** 1980; 71(2):371–86

Adrenaline activation of prejunctional beta-adrenoceptors in guinea-pig atria. Majewski H, et al. **Br J Pharmacol** 1980; 71(2):435–44

Activation of prejunctional beta-adrenoceptors in rat atria by adrenaline applied exogenously or released as a co-transmitter. Majewski H, et al. **Br J Pharmacol** 1981 Jul;73(3):669–79

Structure-activity relationships of clonidine- and tolazoline-like compounds at histamine and alpha-adrenoceptor sites. Malta E, et al. **Br J Pharmacol** 1980 Aug;69(4):679–88

Effects of metoclopramide and isopreniline in the rat vas deferens; interactions with alpha-adrenoceptors. Spedding M. **Br J Pharmacol** 1980;71(1):113–20

Presynaptic regulation of the release of catecholamines in the cat hypothalamus. Dietl H, et al. **Brain Res** 1981 Mar 9;208(1):213–8

Noradrenergic responses in rat hippocampus: evidence for medication by alpha and beta receptors in the in vitro slice. Mueller AL, et al. **Brain Res** 1981 Jun 9;214(1):113–26

Mepacrine treatment prevents immobilization-induced desensitization of beta-adrenergic receptors in rat hypothalamus and brain stem. Torda T, et al. **Brain Res** 1981 Feb 2;205(2):441–4

Presynaptic alpha-adrenergic mediation of self-stimulation in locus coeruleus in rats treated neonatally with 6-hydroxydopamine. Umemoto M, et al. **Brain Res** 1981 Aug 24;219(1):107–19

Effects of isoproterenol on the development of beta-adrenergic receptors in brain cell aggregates. Wolfe BB, et al. **Brain Res** 1981 Feb 23;207(1):174–7

beta-adrenergic responsiveness of rats treated chronically with isoproterenol. Barney CC, et al. **Can J Physiol Pharmacol** 1980 Oct;58(10):1170–3

Reactivation by cysteamine of vascular alpha adrenoceptors blocked by the tetramine disulfide benextramine and interaction of benextramine with phenoxybenzamine. Brasili L, et al. **Can J Physiol Pharmacol** 1980 Dec; 58(12):1490–3

Glucocorticoids enhance glucose uptake and affect differentiation and beta-adrenergic responsiveness in muscle cell cultures. Schonberg M, et al. **Cell Differ** 1981 Mar;10(2):101–7

Isocyanate-induced abnormality of beta-adrenergic receptor function. McKay RT, et al. **Chest** 1981 Jul;80(1 Suppl):61–3

Subnormal inhibition of active E rosette formation by isoproterenol in bronchial asthma. Lee CF, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1980 Jun;13(2):128–37

Pulmonary vasodilator responses to catecholamines and sympathetic nerve stimulation in the cat. Evidence that vascular beta-2 adrenoreceptors are innervated. Hyman AL, et al. **Circ Res** 1981 Mar;48(3):407–15

The effects of acetylstrophanthidin and ouabain on the sympathetic adrenergic neuroeffector junction in canine vascular smooth muscle. Lorenz RR, et al. **Circ Res** 1980 Dec;47(6):845–54

Effects of tiodazosin, praxosin, trimazosin and phentolamine on blood pressure, heart rate and on pre- and postsynaptic alpha-adrenergic receptors in the rat. Buyniski JP, et al. **Clin Exp Hypertens** 1980;2(6):1039–66

Pre- and postsynaptic alpha-adrenoceptor antagonists: differentiated cardiovascular effects in the rat. Gomes C, et al. **Clin Exp Hypertens** 1980 Feb;2(2):273–96

Regulation of norepinephrine release by peripheral alpha 2-receptor stimulation. FitzGerald GA, et al. **Clin Pharmacol Ther** 1981 Feb;29(2):160–7

Assessment of bronchial beta blockade after oral bevantolol. Mackay AD, et al. **Clin Pharmacol Ther** 1981 Jan;29(1):1–6

Alpha adrenoceptor blockade with oral prazosin. Pitterman AB, et al. **Clin Pharmacol Ther** 1981 Feb;29(2):143–8

Mianserin: direct activation of brain norepinephrine neurons by blocking alpha 2-receptors. Engberg G, et al. **Commun Psychopharmacol** 1980;4(3):233–9

Comparison of dopamine, dobutamine, and epinephrine in CPR. Otto CW, et al. **Crit Care Med** 1981 May;9(5):366

Mechanism of action of epinephrine in resuscitation from asphyxial arrest. Otto CW, et al. **Crit Care Med** 1981 May; 9(5):364–5

Glucocorticoids increase pulmonary beta-adrenergic receptors in fetal rabbit. Cheng JB, et al. **Endocrinology** 1980 Nov;107(5):1646–8

Interaction of desipramine and amitriptyline with adrenergic mechanisms in the human iris in vivo. Szabadi E, et al. **Eur J Clin Pharmacol** 1981;19(6):403–8

Effect of guanethidine on alpha-adrenoceptor blocking potency of phentolamine in vitro. Bhavsar VH, et al. **Eur J Pharmacol** 1980 Oct 31;67(4):489–92

Effects of alpha-adrenoceptor agonists and antagonists and of antidepressant drugs on pre- and postsynaptic alpha-adrenoceptors. Brown J, et al. **Eur J Pharmacol** 1980 Oct 3;67(1):33–40

Supersensitivity of central noradrenergic presynaptic autoreceptors following chronic treatment with the antidepressant mianserin. Cerrito F, et al. **Eur J Pharmacol** 1981 Mar 26;70(3):425–6

alpha 1- and alpha 2-vascular adrenoceptors in the dog. Constantine JW, et al. **Eur J Pharmacol** 1980 Sep 5; 66(4):281–6

Discrimination between peripheral and central alpha-adrenergic effects using meta-substituted imidazolidines. de Jonge A, et al. **Eur J Pharmacol** 1981 May 22;71(4):411–20

Inhibition of alpha-receptor-induced Ca2+ release and Ca2+ influx by Mn2+ and La3+. Deth R, et al. **Eur J Pharmacol** 1981 Apr 24;71(1):1–11

3-O-,4-O-diacetylisoproterenol and 3-O-,4-O-dibenzoylisoproterenol: hypothermic effects in mice and the involvement of beta-adrenergic receptors. Dooley DJ, et al. **Eur J Pharmacol** 1981 Mar 12;70(2):213–8

Adenosine antagonizes the positive inotropic action mediated via beta-, but not alpha-adrenoceptors in the rabbit papillary muscle. Endoh M, et al. **Eur J Pharmacol** 1980 Aug 8;65(4):445–8

Effect of indomethacin on cardiac beta-adrenergic receptors. Feuerstein G, et al. **Eur J Pharmacol** 1980 Oct 31; 67(4):469–72

Tricyclic antidepressant drug treatment decreases alpha 2-adrenoreceptors on human platelet membranes. García-Sevilla JA, et al. **Eur J Pharmacol** 1981 Jan 5; 69(1):121–3

The blockade of alpha 2-adrenoceptors by the PNMT inhibitaor SK&F 64139. Goldstein M, et al. **Eur J Pharmacol** 1980 Oct 17;67(2–3):305–8

Functional characterization of central alpha-adrenoceptors by yohimbine diastereomers. Hedler L, et al. **Eur J Pharmacol** 1981 Mar 5;70(1):43–52

Down-regulation of beta-adrenergic activity in astroglia by chronic treatment with an antidepressant drug. Hertz L, et al. **Eur J Pharmacol** 1981 Jun 19;72(2–3):267–8

Effects of desipramine and yohimbine on alpha 2- and beta-adrenoreceptor sensitivity. Johnson RW, et al. **Eur J Pharmacol** 1980 Oct 3;67(1):123–7

Down regulation of dihydroalprenolol and imipramine binding sites in brain of rats repeatedly treated with imipramine. Kinnier WJ, et al. **Eur J Pharmacol** 1980 Oct 17;67(2–3):289–94

alpha 1-adrenoceptor blockade by alpha 2-adrenoceptor agonists in the isolated perfused hindquarter of rats. Kobinger W, et al. **Eur J Pharmacol** 1981 Jun 10; 72(1):113–5

Tissue levels and displacement of in vivo labelled beta-adrenergic receptors by FM 24, an irreversible or slowly dissociable beta-blocker. Le Fur G, et al. **Eur J Pharmacol** 1980 Oct 31;67(4):413–8

Activation of presynaptic alpha-noradrenaline receptors in rat brain by the potent dopamine-mimetic N,N-dipropyl-5,6-ADTN. Mulder AH, et al. **Eur J Pharmacol** 1980 Oct 3;67(1):147–50

Hypersensitivity of cardiac beta-adrenergic receptors after neonatal treatment of rats with 6-hydroxydopa. Nomura Y, et al. **Eur J Pharmacol** 1980 Aug 29;66(2–3):225–32

beta-Adrenoceptor activation induces prostaglandin E2 generation in guinea-pig trachea. Omini C, et al. **Eur J Pharmacol** 1981 Jun 19;72(2–3):227–31

Pre- and postsynaptic alpha-adrenoceptor antagonism by neuroleptics in vivo. Petersen EN. **Eur J Pharmacol** 1981 Feb 19;69(4):399–405

Neurally induced digitalis arrhythmias and the adrenoceptors. Sivam SP, et al. **Eur J Pharmacol** 1980 Nov 21;68(2):107–15

Involvement of both dopaminergic and alpha-adrenergic receptors in the hypomotility induced by dibenzoyl-6,7-ADTN. Sumners C, et al. **Eur J Pharmacol** 1981 Apr 9;70(4):541–50

Vascular smooth muscle contraction initiated by postsynaptic alpha 2-adrenoceptor activation is induced by an influx of extracellular calcium. Van Meel JC, et al. **Eur J Pharmacol** 1981 Jan 16;69(2):205–8

The effect of beta-adrenergic stimulation and blockade on the efflux of PGE1-like material from the isolated perfused rabbit heart. Amin DV, et al. **Experientia** 1980 Dec 15; 36(12):1410–1

A postsynaptic alpha 2-receptor: the alpha-adrenergic receptor of hamster white fat cells. Carpéné C, et al. **Experientia** 1980 Dec 15;36(12):1413–4

Exploration of the role of sodium in the alpha-adrenergic regulation of hepatic glycogenolysis. Hughes BP, et al. **FEBS Lett** 1980 Dec 1;121(2):260–4

Inhibition of phenylephrine-stimulated gluconeogenesis by chlorpromazine is mediated by alpha-adrenergic receptors. Tilley L, et al. **FEBS Lett** 1981 Apr 20;126(2):313–7

Effects of salbutamol and butoxamine on the human fat cell adenylate cyclase. Kather H, et al. **Horm Metab Res** 1980 Dec;12(12):695–7

Thyroid hormone effects on beta-adrenergic receptors in isolated fat cells in rats. Pfeifle B, et al. **Horm Metab Res** 1981 Apr;13(4):218–21

Physiological evidence (hypothermia) for central effects of beta-blocker agents. Ben-Uriah Y, et al. **Int J Neurosci** 1981;14(1-2):41–6

Evidence for a central depressor action of postsynaptic alpha 1-adrenergic receptor antagonists. McCall RB, et al. **J Auton Nerv Syst** 1981 Feb;3(1):9–23

Serum catecholamines desensitize beta-adrenergic receptors of cultured C6 glioma cells. Dibner MD, et al. **J Biol Chem** 1981 Jul 25;256(14):7343–6

Myocardial oxygen consumption and blood flow during nicotine infusion: effect of combined alpha- and beta-adrenergic blockade. Crystal GJ, et al. **J Cardiovasc Pharmacol** 1981 Mar-Apr;3(2):317–27

Inhibitory effects of desmethylimipramine on the action of thyroxine on cardiac beta-receptors and myocardial phosphorylase. Hess ME, et al. **J Cardiovasc Pharmacol** 1980 Nov-Dec;2(6):867–79

Negative chronotropic effect of catecholamines on adrenergic receptors in cardiac ganglia in the spinal dog. Kushiku K, et al. **J Cardiovasc Pharmacol** 1980 Nov-Dec; 2(6):857–66

An examination of pre- and postsynaptic alpha-adrenoceptors in the autoperfused rabbit hindlimb. Madjar H, et al. **J Cardiovasc Pharmacol** 1980 Sep-Oct; 2(5):619–27

Regulation of collagen production by the beta-adrenergic system. Berg RA, et al. **J Clin Invest** 1981 May; 67(5):1457–62

Catecholamine-induced desensitization in turkey erythrocytes: cAMP mediated impairment of high affinity agonist binding without alteration in receptor number. Stadel JM, et al. **J Cyclic Nucleotide Res** 1981;7(1):37–47

Regulation of cyclic AMP metabolism in the rat erythrocyte during chronic beta-adrenergic stimulation. Evidence for calmodulin-mediated alteration of membrane-bound phosphodiesterase activity. Clayberger CA, et al. **J Membr Biol** 1981 Feb 28;58(3):191–201

The effect of catecholamine receptor antagonists on ethanol-induced locomotor stimulation. Liljequist S, et al. **J Neural Transm** 1981;50(1):57–67

Multiple alpha 2-noradrenergic receptor sites in rat brain: selective regulation of high-affinity [3H]clonidine binding by guanine nucleotides and divalent cations. Rouot BM, et al. **J Neurochem** 1980 Feb;34(2):374–84

Interactions of divalent cations and guanine nucleotides at alpha 2-noradrenergic receptor binding sites in bovine brain mechanisms. U'Prichard DC, et al. **J Neurochem** 1980 Feb;34(2):385–94

On the use of a dynamic approach to the estimation of dissociation constants for reversible competitive antagonists. Amidon GL, et al. **J Pharmacol Exp Ther** 1981 Feb;216(2):352–6

A comparison of the contractile responses of the rabbit basilar and pulmonary arteries to sympathomimetic agonists: further evidence for variation in vascular adrenoceptor characteristics. Bevan JA. **J Pharmacol Exp Ther** 1981 Jan; 216(1):83–9

Ergometrine contracts isolated canine coronary arteries by a serotonergic mechanism: no role for alpha adrenoceptors. Brazenor RM, et al. **J Pharmacol Exp Ther** 1981 Aug; 218(2):530–6

Effects of chronic reserpine administration on beta adrenergic receptors, adenylate cyclase and phosphodiesterase of the rat submandibular gland. Bylund DB, et al. **J Pharmacol Exp Ther** 1981 Jul;218(1):134–41

Interaction of the tricyclic antidepressant amitriptyline with prejunctional alpha and muscarinic receptors in the dog saphenous vein. Collis MG, et al. **J Pharmacol Exp Ther** 1980 Jun;213(3):616–22

Alpha adrenoreceptors of rabbit aorta and stomach fundus. Fuder H, et al. **J Pharmacol Exp Ther** 1981 Apr;217(1):1–9

Xylazine-induced depression and its antagonism by alpha adrenergic blocking agents. Hsu WH. **J Pharmacol Exp Ther** 1981 Jul;218(1):188–92

Prenatal exposure to imipramine alters early behavioral development and beta adrenergic receptors in rats. Jason KM, et al. **J Pharmacol Exp Ther** 1981 May;217(2):461–6

In vivo selectivity of prazosin but not of WB4101 for postsynaptic alpha-1 adrenoceptors. Massingham R, et al. **J Pharmacol Exp Ther** 1981 May;217(2):467–74

Beta-1 receptor mediation of renin secretion elicited by low-frequency renal nerve stimulation. Osborn JL, et al. **J Pharmacol Exp Ther** 1981 Feb;216(2):265–9

Changes in beta adrenergic receptors in submaxillary glands of chronically reserpine- or isoproterenol-treated rats. Roscher AA, et al. **J Pharmacol Exp Ther** 1981 Feb; 216(2):419–24

Receptor interactions of imidazolines. V. clonidine differentiates postsynaptic alpha adrenergic receptor subtypes in tissues from the rat. Ruffolo RR Jr, et al. **J Pharmacol Exp Ther** 1980 Jun;213(3):557–61

Receptor interactions of imidazolines. VII. Peripherally mediated pressor and centrally mediated depressor effects of clonidine and a series of mono- and dimethoxy-substituted tolazoline derivatives. Ruffolo RR Jr, et al. **J Pharmacol Exp Ther** 1981 Jul;218(1):154–60

Quinacrine-blocked desensitization of adrenoceptors after immobilization stress or repeated injection of isoproterenol in rats. Torda T, et al. **J Pharmacol Exp Ther** 1981 Feb; 216(2):334–8

Beta-adrenergic activity in human proximal urethra: a study with terbutaline. Vaidyanathan S, et al. **J Urol** 1980 Dec; 124(6):869–71

Alinidine reduces heart-rate without blockade of beta-adrenoceptors. Harron DW, et al. **Lancet** 1981 Feb 14;1(8216):351–3

Atropine lowers blood pressure in normotensive rats through blockade of alpha-adrenergic receptors. Abraham S, et al. **Life Sci** 1981 Jan 19;28(3):315–22

DPI, a supposed selective agonist of inhibitory dopamine receptors, strongly increases rat diuresis through alpha-adrenergic receptor activation. Baggio G, et al. **Life Sci** 1981 Mar 30;28(13):1449–56

In vitro assessment of the selectivities of various beta-adrenergic blocking agents. Dreyer AC, et al. **Life Sci** 1980 Dec 1;27(22):2087–92

Morphine acts through alpha adrenergic and serotoninergic neurons to stimulate growth hormone secretion in the dog. Farris TS, et al. **Life Sci** 1980 Oct 6;27(14):1345–9

Morphine withdrawal causes subsensitivity of adrenergic receptor response. Nathanson JA, et al. **Life Sci** 1981 Mar 23;28(12):1353–60

Functional evidence for subsensitivity of noradrenergic alpha 2 receptors after chronic desipramine treatment. Spyraki C, et al. **Life Sci** 1980 Nov 17;27(20):1863–7

Thyroid hormone modulation of agonist—beta-adrenergic receptor interactions in the rat heart. Stiles GL, et al. **Life Sci** 1981 Jun 1;28(22):2529–36

Circadian rhythms in rat brain alpha- and beta-adrenergic receptors are modified by chronic imipramine. Wirz-Justice A, et al. **Life Sci** 1980 Jul 28;27(4):341–7

Effects of alpha 2-adrenergic action on cyclic AMP levels in canine thyroid slices. Yamashita K, et al. **Life Sci** 1980 Sep 29;27(13):1127–30

Antidepressant drug action and presynaptic alpha-receptors. Collis MG, et al. **Mayo Clin Proc** 1980 Sep;55(9):567–72 (59 ref.)

Calcium- and potassium-channel blockers interact with alpha-adrenoceptors. Glossmann H, et al. **Mol Cell Endocrinol** 1980 Sep;19(3):243–51

Modulation of cyclic AMP content of the rat myometrium: desensitization to isoproterenol, PGE2 and prostacyclin. Tougui Z, et al. **Mol Cell Endocrinol** 1980 Oct;20(1):17–34

The effects of thyroid status on the modulation of fat cell beta-adrenergic receptor agonist affinity by guanine nucleotides. Malbon CC. **Mol Pharmacol** 1980 Sep; 18(2):193–8

Subsensitivity of the beta-adrenergic receptor-linked adenylate cyclase system of rat pineal gland following repeated treatment with desmethylimipramine and nialamide. Moyer JA, et al. **Mol Pharmacol** 1981 Mar; 19(2):187–93

Characterization of alpha-adrenergic receptors in human platelets using [3H]clonidine. Shattil SJ, et al. **Mol Pharmacol** 1981 Jan;19(1):179–83

Inactivation of beta-adrenergic receptors by N-ethylmaleimide in S49 lymphoma cells. Agonist induction of functional receptor heterogeneity. Vauquelin G, et al. **Mol Pharmacol** 1980 Nov;18(3):362–9

Thermodynamics of agonist and antagonist interactions with mammalian beta-adrenergic receptors. Weiland GA, et al. **Mol Pharmacol** 1980 Nov;18(3):341–7

Alterations in cardiac autonomic receptors following 6-hydroxydopamine treatment in rats. Yamada S, et al. **Mol Pharmacol** 1980 Sep;18(2):185–92

Adrenaline activation of phosphofructokinase in rat heart mediated by alpha-receptor mechanism independent of cyclic AMP. Clark MG, et al. **Nature** 1981 Jul 30; 292(5822):461–3

Acceleration of beta-receptor desensitization in combined administration of antidepressants and phenoxybenzamine. Crews FT, et al. **Nature** 1981 Apr 30;290(5809):787–9

Differential regulation of the alpha 2-adrenergic receptor by Na+ and guanine nucleotides. Michel T, et al. **Nature** 1980 Dec 25;288(5792):709–11

Modulation of lateral geniculate neurone excitability by noradrenaline microiontophoresis or locus coeruleus stimulation. Rogawski MA, et al. **Nature** 1980 Oct 23; 287(5784):731–4

Complete blockade by phenoxybenzamine of alpha 1- but not of alpha 2-vascular receptors in dogs and the effects of propranolol. Constantine JW, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Nov; 314(2):149–56

Two distinct adrenoceptor-biophases in the vasculature: one for alpha- and the other for beta-agonists. Guimarães S, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Jun; 316(3):195–9

Relation between central sympathoinhibitory and peripheral pre- and postsynaptic alpha-adrenoceptors as evaluated by different clonidine-like substances in rats. Kobinger W, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980;315(1):21–7

The lack of a pronounced preference of prenalterol for the beta-1-adrenoceptor subtype. Rohm N, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980;315(1):85–8

Pharmacological characterisation of pre- and postsynaptic alpha-adrenoceptors in dog saphenous vein. Sullivan AT, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Nov; 314(3):249–58

Vasoconstriction mediated by postsynaptic alpha 2-adrenoceptor stimulation. Timmermans PB, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Aug; 313(1):17–20

Serotonergic and noradrenergic mechanisms involved in the cardiovascular effects of angiotensin II injected into the anterior hypothalamic preoptic region of rats. Benarroch EE, et al. **Neuropharmacology** 1981 Jan;20(1):9–13

Action of mianserin and zimelidine on the norepinephrine receptor coupled adenylate cyclase system in brain: subsensitivity without reduction in beta-adrenergic receptor binding. Mishra R, et al. **Neuropharmacology** 1980 Oct;19(10):983–7

Effects of some membrane perturbers on alpha 1-adrenergic receptor binding. Ciofalo FR. **Neurosci Lett** 1981 Feb 6; 21(3):313–8

Selectivity of a series of clonidine-like drugs for alpha 1 and alpha 2 adrenoceptors in rat brain. Summers RJ, et al. **Neurosci Lett** 1980 Dec;20(3):347–50

Effect of drugs on the concentration of dopamine beta-hydroxylase in the cerebrospinal fluid of rabbits. De Potter WP, et al. **Neuroscience** 1980;5(11):1969–77

Identification of beta-adrenergic receptors using [3H]dihydroalprenolol in fetal sheep heart: direct evidence of qualitative similarity to the receptors in adult sheep heart. Cheng JB, et al. **Pediatr Res** 1981 Aug;15(8):1083–7

Differentiation of cardiac and peripheral alpha- and beta-adrenergic responses to dobutamine, etilefrine and xylometazoline in dogs. Walkenhorst R, et al. **Pharmacology** 1981;22(5):294–304

Tricyclic antidepressant drug interactions with histamine and alpha-adrenergic receptors. Snyder SH. **Pharmakopsychiatr Neuropsychopharmakol** 1980 Mar; 13(2):62–7

Alleviation of ischaemic acute renal failure by beta blockers: specific tubular receptor blockade or membrane stabilising effect? Iaina I, et al. **Proc Eur Dial Transplant Assoc** 1980; 17:686–9

Desensitization of enucleated cells to hormones and role of cytoskeleton in control of normal hormonal response. Simantov R, et al. **Proc Natl Acad Sci USA** 1980 Aug; 77(8):4798–802

Differential effects of barbiturates on alpha 1 and alpha 2 receptors. Ciofalo FR. **Proc West Pharmacol Soc** 1981; 24:1–2

Differential effect of chronic desipramine and amitriptyline treatment on rat brain adrenergic and serotonergic receptors. Tang SW, et al. **Psychiatry Res** 1981 Apr; 4(2):129–38

Effects of propranolol on the locomotor stimulation induced by activation of postsynaptic catecholamine receptors. Hallberg H, et al. **Psychopharmacology (Berlin)** 1981; 72(3):227–31

Characterization of alpha-adrenergic receptors in guinea pig cerebral cortex: effect of chronic antidepressant treatments. Hu HY, et al. **Psychopharmacology (Berlin)** 1981; 74(3):201–3

Importance of the Locus coeruleus and involvement of alpha-adrenergic receptors in the post-decapitation reflex in the rat. Pappas BA, et al. **Psychopharmacology (Berlin)** 1980;69(2):163–71

Effects of zimelidine on serotoninergic and noradrenergic neurons after repeated administration in the rat. Ross SB, et al. **Psychopharmacology (Berlin)** 1981;72(3):219–25

Comparison of the alpha-adrenergic agonists, phenylephrine and methoxamine in rabbit papillary muscles. Siegl PK, et al. **Res Commun Chem Pathol Pharmacol** 1980 Nov; 30(2):221–31

Electrophysiological changes at a central noradrenergic synapse during thallium toxicosis. Marwaha J, et al. **Toxicol Appl Pharmacol** 1980 Dec;56(3):345–52

The alpha-adrenergic blocking effect of prazosin on the human prostate. Shapiro A, et al. **Urol Res** 1981 Mar 17; 9(1):17–20

[The effects of Citrus aurantium and its active ingredient N-methyltyramine on the cardiovascular receptors (author's transl)] Chen X, et al. **Yao Hsueh Hsueh Pao** 1981 Apr;16(4):253–9 (Eng. Abstr.) **(Chi)**

[Beta-adrenergic receptors and paradoxical sleep in the rat] Lanfumey L, et al. **C R Acad Sci [D] (Paris)** 1981 Mar 2;292(9):645–7 (Eng. Abstr.) **(Fre)**

[The cardiac alpha-adrenoceptors] Boucher M. **J Pharmacol** 1981 Apr-Jun;12(2):111–21 (Eng. Abstr.) **(Fre)**

[Weight loss with alpha-receptor blockers?] Kather H, et al. **Med Welt** 1981 Apr 3;32(14):466–7 **(Ger)**

[Studies on the effect of the alpha-receptor stimulant, gutron, in the orthostatic syndrome (author's transl)] Scholing WE. **Wien Klin Wochenschr** 1981 Jun 26;93(13):429–34 (Eng. Abstr.) **(Ger)**

[Pharmacology of adrenoreceptors (alpha and beta): its progress and clinical application] Furukawa T. **Nippon Rinsho** 1980 Sep;38(9):3259–71 (57 ref.) **(Jpn)**

[Adrenergic receptors of the neurons in the vertebrate brain (a review of the literature)] Komissarov IV. **Farmakol Toksikol** 1980 Mar-Apr;43(2):230–8 (117 ref.) **(Rus)**

[Functional role of noradrenergic neurons in the hypothermic effect of apomorphine and other dopaminomimetics] Shchelkunov EL, et al. **Farmakol Toksikol** 1980 Sep-Oct; 43(5):558–63 (Eng. Abstr.) **(Rus)**

[Pharmacological analysis of the role of dorsal hippocampus adrenergic effects in the central mechanisms of ovulation and compensatory ovarian hypertrophy in rats] Bekhtereva EP. **Probl Endokrinol (Mosk)** 1980;26(6):42–5 (Eng. Abstr.) **(Rus)**

[Effect of chemical destruction of hypothalamic monoaminergic terminals on function of the adrenal cortex, thyroid gland and enterochromaffin system] Stabrovskii EM, et al. **Probl Endokrinol (Mosk)** 1981 Mar-Apr; 27(2):62–6 (Eng. Abstr.) **(Rus)**

GENETICS

[Genetics and phenogenetics of the hormonal characteristics of animals. VI. Functional activity of certain chemoreceptors connected with the pituitary-adrenal system of silver foxes selected for their behavior] Naumenko EV, et al. **Genetika (Moskva)** 1980; 16(10):1857–64 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

'Antibodies raised against beta-adrenergic receptors stimulate adenylate cyclase'. Couraud PO, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1295–302

Anti-alprenolol anti-idiotypic antibodies bind to beta-adrenergic receptors and modulate catecholamine-sensitive adenylate cyclase. Schreiber AB, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7385–9

ISOLATION & PURIFICATION

Solubilization of rat brain alpha 1-adrenoreceptors. Guicheney P, et al. **Eur J Pharmacol** 1981 Apr 9; 70(4):589–90

Purification of the beta-adrenergic receptor. Identification of the hormone binding subunit. Shorr RG, et al. **J Biol Chem** 1981 Jun 10;256(11):5820–6

Monoclonal antibodies to beta-adrenergic receptors: use in purification and molecular characterization of beta receptors. Fraser CM, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7034–8

Copurification of beta-adrenergic catecholamine receptors and hormone-sensitive adenylate cyclase with uterine smooth muscle plasma membranes. Krall JF, et al. **Proc Soc Exp Biol Med** 1980 Oct;165(1):82–5

METABOLISM

Characterization of [3H]dihydroergocryptine binding sites in brown adipose tissue. Evidence for the presence of alpha-adrenergic receptors. Svartengren J, et al. **Acta Chem Scand [B]** 1980;34(3):231–2

Receptors acting through adenylate cyclase in the CNS. Wollemann M. **Acta Physiol Acad Sci Hung** 1980; 55(4):299–304 (21 ref.)

Impaired beta-adrenergic stimulation in the uninvolved ventricle post-acute myocardial infarction: reversible defect due to excessive circulating catecholamine-induced decline in number and affinity of beta-receptors. Baumann G, et al. **Am Heart J** 1981 May;101(5):569–81

beta-Adrenergic receptors in the developing rabbit lung. Whitsett JA, et al. **Am J Physiol** 1981 Apr;240(4):E351–7

Characterization of adenylate cyclase activity in asthmatic neutrophil sonicates. Galant SP, et al. **Am Rev Respir Dis** 1980 Aug;122(2):231–8

Impaired in vitro beta-adrenergic granulocyte response in chronic obstructive pulmonary disease. Lemanske RF Jr, et al. **Am Rev Respir Dis** 1980 Aug;122(2):213–9

Alpha-adrenergic receptors in the rat superior cervical ganglion. Kafka MS, et al. **Ann NY Acad Sci** 1980;358:342–5

A cellular activator of catecholamine-sensitive adenylate cyclase in rat reticulocytes and erythrocytes: changes during reticulocyte development and effects on the beta receptor. Shane E, et al. **Arch Biochem Biophys** 1981 May; 208(2):418–25

A hypothesis of thyroid-catecholamine-receptor interaction. Its relevance to affective illness. Whybrow PC, et al. **Arch Gen Psychiatry** 1981 Jan;38(1):106–13 (118 ref.)

Alpha adrenergic receptors in beef aortic membranes characterised by [3H] dihydroergocryptine binding. Carman-Kržan M. **Arch Int Pharmacodyn Ther** 1980 Aug; 246(2):237–50

The effect of preload on the dissociation constant of phentolamine in isolated rabbit thoracic aorta. Raffa RB, et al. **Arch Int Pharmacodyn Ther** 1981 May;251(1):126–35

Short term effects of triiodothyronine on rat heart adrenoceptors. Chang HY, et al. **Biochem Biophys Res Commun** 1981 May 15;100(1):313–20

Proteolysis of rat liver plasma membranes cancels the guanine nucleotide sensitivity of agonist binding to the alpha-adrenoceptor. Geynet P, et al. **Biochem Biophys Res Commun** 1980 Dec 16;97(3):947–54

Identification and ontogeny of beta-adrenergic receptors in fetal rabbit lung. Giannopoulos G.

Biochem Biophys Res Commun 1980 Jul 16;95(1):388–94

Direct binding studies do not support the existence of true alpha-adreno-receptors in rat white fat cells. Giudicelli Y, et al. **Biochem Biophys Res Commun** 1981 May 29; 100(2):621–8

Different sedimentation properties of agonist- and antagonist-labelled platelet alpha 2 adrenergic receptors. Michel T, et al. **Biochem Biophys Res Commun** 1981 Jun 16;100(3):1131–6

Characterization of alpha 2-adrenergic receptors on human platelets using [3H]yohimbine. Motulsky HJ, et al. **Biochem Biophys Res Commun** 1980 Dec 31;97(4):1562–70

Evidence that catecholamines stimulate renal gluconeogenesis through an alpha 1-type of adrenoceptor. Kessar P, et al. **Biochem J** 1980 Jul 15;190(1):119–23

Ontogenic development of alpha-adrenergic receptors and responsiveness in white adipocytes. Pecquery R, et al. **Biochem J** 1980 Dec 15;192(3):947–50

Effects on fluorine analogs of norepinephrine on stimulation of cyclic adenosine 3',5'-monophosphate and binding to beta-adrenergic receptors in intact pinealocytes. Auerbach DA, et al. **Biochem Pharmacol** 1981 May 15;30(10):1085–9

No evidence for reverse trans-synaptic regulation of neuronal uptake by beta-adrenoceptors in kitten atria. Cornish EJ, et al. **Biochem Pharmacol** 1981 Jun 15;30(12):1439–42

Two distinct alpha1-adrenergic receptor sites in rat liver: differential binding of (−)-[3H]dihydroergocryptine. Effects of guanine nucleotides and proteolysis; implications for a two-site model of alpha-receptor regulation. Geynet P, et al. **Biochem Pharmacol** 1981 Jun 15;30(12):1665–75

Effect of chronic treatment with antidepressants on beta-adrenergic receptor binding in guinea pig brain. Hu HY, et al. **Biochem Pharmacol** 1980 Oct 15;29(20):2895–6

Comparison of beta-adrenergic receptors and the adenylate cyclase system with muscarinic receptors and guanylate cyclase activities in the heart of spontaneously hypertensive rats. Robberecht P, et al. **Biochem Pharmacol** 1981 Feb 15;30(4):385–7

[3H]Quinuclidinyl benzilate binding to muscarinic receptors and [3H]WB-4101 binding to alpha-adrenergic receptors in rabbit iris. Comparison of results in slices and microsomal fractions. Taft WC Jr, et al. **Biochem Pharmacol** 1980 Oct 15;29(20):2713–20

Effects of phospholipids on the binding of [3H]dihydroalprenolol to the beta-adrenergic receptor of rabbit heart membranes. Thang NX, et al. **Biochem Pharmacol** 1980 Oct 15;29(20):2791–7

Parallel modulation of catecholamine activation of adenylate cyclase and formation of the high-affinity agonist.receptor complex in turkey erythrocyte membranes by temperature and cis-vaccenic acid. Briggs MM, et al. **Biochemistry** 1980 Sep 16;19(19):4461–6

Temperature dependence of beta receptor, adenosine receptor, and sodium fluoride stimulated adenylate cyclase from turkey erythrocytes. Rimon G, et al. **Biochemistry** 1980 Sep 16;19(19):4451–60

Ontogenetic development of isoproterenol subsensitivity of myocardial adenylate cyclase and beta-adrenergic receptors in spontaneously hypertensive rats. Bhalla RC, et al. **Biochim Biophys Acta** 1980 Nov 3;632(4):497–506

Beta-adrenergic activity of (+/-)-hydroxybenzylisoproterenol in isolated rat fat cells and hepatocytes. Malbon CC. **Biochim Biophys Acta** 1981 Mar 5;673(2):203–16

Characterization of alpha 2-adrenergic receptors in human platelets by binding of a radioactive ligand [3H]yohimbine. Mukherjee A. **Biochim Biophys Acta** 1981 Aug 17; 676(2):148–54

Alpha-adrenergic inhibition of cyclic AMP accumulation in hamster adipocytes. Similarity of receptor with alpha-2 adrenergic receptors. Schimmel RJ, et al. **Biochim Biophys Acta** 1980 Nov 3;632(4):544–52

Beta-adrenergic receptor-adenylate cyclase alterations during the postnatal development of skeletal muscle. Smith PB, et al. **Biochim Biophys Acta** 1980 Dec 1;633(2):274–88

Negative cooperativity of rat kidney beta-adrenergic receptors. Woodcock EA, et al. **Biochim Biophys Acta** 1980 Aug 13;631(2):317–26

Irreversible inactivation of beta-adrenergic receptors of C6 glioma cells. Synthesis and study of a thiol derivative of propranolol. Gozlan H, et al. **Biochimie** 1980;62(7):455–62

Changes in ovarian beta-adrenergic receptors during the estrous cycle of the rat. Jordan AW. **Biol Reprod** 1981 Mar;24(2):245–8

Coupling of beta-adrenoreceptors in rat uterine smooth muscle. Krall JF, et al. **Biol Reprod** 1981 May;24(4):859–66

Adipocyte adenylate cyclase and alpha- and beta-adrenergic receptors in one case of multiple symmetric lipomatosis. Pecquery R, et al. **Biomedicine** 1980 May;33(3):64–6

Beta-adrenoceptors in human lung, bronchus and lymphocytes. Davis C, et al. **Br J Clin Pharmacol** 1980 Nov;10(5):425–32

Distribution and types of adrenoceptors in the guinea-pig ileum: the action of alpha- and beta-adrenoceptor agonists. Bauer V. **Br J Pharmacol** 1981 Feb;72(2):201–10

Characterization of the rat parotid beta-adrenoceptor. Carlsöö B, et al. **Br J Pharmacol** 1981 Feb;72(2):271–6

The distribution of adrenoceptors and other drug receptors between the two ends of the rat vas deferens as revealed by selective agonists and antagonists. MacDonald A, et al. **Br J Pharmacol** 1980;71(2):445–58

[3H]-Clonidine binding to alpha-adrenoceptors in membranes prepared from regions of guinea-pig kidney: alteration by monovalent and divalent cations. Summers RJ. **Br J Pharmacol** 1980;71(1):57–63

Radioligand binding studies of adrenergic receptors and their clinical relevance. Barnes PJ. **Br Med J [Clin Res]** 1981 Apr 11;282(6271):1207–10 (51 ref.)

Characteristics of the beta 1-and beta 2-adrenergic-sensitive adenylate cyclases in glial cell primary cultures and their comparison with beta 2-adrenergic-sensitive adenylate cyclase of meningeal cells. Ebersolt C, et al. **Brain Res** 1981 May 25;213(1):151–61

Circadian and seasonal rhythms in alpha- and beta-adrenergic receptors in the rat brain. Kafka MS, et al. **Brain Res** 1981 Mar 2;207(2):409–19

alpha 2-Adrenoreceptors in rat brain are decreased after long-term tricyclic antidepressant drug treatment. Smith CB, et al. **Brain Res** 1981 Apr 6;210(1-2):413–8

Effects of thyroid state on brain development: beta-adrenergic receptors and 5'-nucleotidase activity. Smith RM, et al. **Brain Res** 1980 Oct 6;198(2):375–87

Decreased beta-adrenergic responses in the female rat brain are eliminated by ovariectomy: correlation of [3H]dihydroalprenolol binding and catecholamine stimulated cyclic AMP levels. Wagner HR, et al. **Brain Res** 1980 Nov 10;201(1):235–9

Postnatal development of presynaptic alpha-adrenoceptors in rat cerebral cortex: studies with brain slices and synaptosomes. Wemer J, et al. **Brain Res** 1981 Mar 16; 208(2):299–309

beta 1-adrenergic receptors in human neuroblastoma. Whitsett JA, et al. **Brain Res** 1981 Jul 6;216(1):73–87

Cardiac alpha adrenoceptors. Benfey BG. **Can J Physiol Pharmacol** 1980 Oct;58(10):1145–57 (124 ref.)

Noradrenaline-induced calorigenesis in warm- or cold-acclimated rats. In vivo estimation of adrenoceptor concentration of noradrenaline effecting half-maximal response. Depocas F, et al. **Can J Physiol Pharmacol** 1980 Sep;58(9):1072–7

Effect of phospholipid methylation on beta-adrenergic receptors in the normal and hypertrophied rat myocardium. Limas CJ. **Circ Res** 1980 Oct;47(4):536–41

Cardiac beta adrenoceptors and adenylate cyclase in normotensive and renal hypertensive rabbits during changes in autonomic activity. Bobik A, et al. **Clin Exp Hypertens** 1981;3(2):257–80

Human lung adrenoreceptors studied by radioligand binding. Barnes PJ, et al. **Clin Sci** 1980 Jun;58(6):457–61

Indomethacin increases leucocyte beta-adrenoreceptors in man. Güllner HG, et al. **Clin Sci** 1980 Nov;59(5):397–400

Presence of postsynaptic alpha 2-adrenoreceptors of predominantly extrasynaptic location in the vascular smooth muscle of the dog hind limb. Langer SZ, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:225s–228s

Increased adrenaline, beta-adrenoreceptor stimulation and phospholipid methylation in pineal gland of spontaneously hypertensive rats. Saavedra JM. **Clin Sci [Suppl]** 1980 Dec; 59 Suppl 6:239s–242s

Acceleration of desipramine-induced decrease of rat corticocerebral beta-adrenergic receptors by yohimbine. Wiech NL, et al. **Commun Psychopharmacol** 1980; 4(2):95–100

Ligand-binding and pharmacological studies on dopamine and octopamine receptors in the heart of the bivalve mollusc, Tapes watlingi. de Rome PJ, et al. **Comp Biochem Physiol [C]** 1980;67C(1):9–16

Membrane properties of cultured rat sympathetic neurons: morphological studies of adrenergic and cholinergic differentiation. Schwab M, et al. **Dev Biol** 1981 May; 84(1):67–78

Stimulation of beta 2-adrenergic responsiveness by follicle-stimulating hormone in rat granulosa cells in vitro and in vivo. Adashi EY, et al. **Endocrinology** 1981 Jun; 108(6):2170–8

Neonatal rat pinealocytes: typical and atypical characteristics of [125I]iodohydroxybenzylpindolol binding and adenosine 3',5'-monophosphate accumulation. Auerbach DA, et al. **Endocrinology** 1981 Feb;108(2):559–67

Stimulation of a D-2 dopamine receptor in the intermediate lobe of the rat pituitary gland decreases the responsiveness of the beta-adrenoceptor: biochemical mechanism. Cote TE, et al. **Endocrinology** 1981 Feb;108(2):420–6

Myocardial beta-adrenergic receptors from adrenalectomized rats: impaired formation of high-affinity agonist-receptor complexes. Davies AO, et al. **Endocrinology** 1981 Feb;108(2):720–2

Thyroid hormone regulation of beta-adrenergic receptor number in aging rats. Scarpace PJ, et al. **Endocrinology** 1981 Apr;108(4):1276–8

Interaction of clonidine and clonidine analogues with alpha-adrenergic receptors of neuroblastoma X glioma hybrid cells and rat brain: comparison of ligand binding with inhibition of adenylate cyclase. Atlas D, et al. **Eur J Biochem** 1981 Jan;113(3):521–9

Distinction between two subpopulations of beta 1-adrenergic receptors in human adipose cells. Jacobsson B, et al. **Eur J Biochem** 1981 Feb;114(2):349–54

A hormone-independent rise of adenosine 3',5'-monophosphate desensitizes coupling of beta-adrenergic receptors to adenylate cyclase in rat glioma C6-cells. Koschel K. **Eur J Biochem** 1980; 108(1):163–9

Functional desensitisation of beta-adrenergic receptors of avian erythrocytes by catecholamines and adenosine 3',5'-phosphate. Simpson IA, et al. **Eur J Biochem** 1980 Oct;111(1):111–6

Identification of alpha 2-adrenergic receptors in human fat cell membranes by [3H]chlonidine binding. Berlan M, et al. **Eur J Pharmacol** 1980 Oct 31;67(4):481–4

Reversal of noradrenaline denervation-induced increase of beta-adrenoreceptor binding in rat neocortex by noradrenaline infusion. Biswas B, et al. **Eur J Pharmacol** 1981 Jan 29;69(3):341–6

alpha-adrenoceptors in human peripheral lung. Black J, et al. **Eur J Pharmacol** 1981 Jun 10;72(1):83–6

Relationships between structure and alpha-adrenergic receptor affinity of clonidine and some related cyclic amidines. De Jong AP, et al. **Eur J Pharmacol** 1981 Jan 16;69(2):175–88

Oestrogen and progesterone change the binding characteristics of alpha-adrenergic and serotonin receptors on rabbit platelets. Elliott JM, et al. **Eur J Pharmacol** 1980 Aug 22;66(1):21–30

alpha-Methylepinephrine, a methyldopa metabolite that binds to alpha-receptors in rat brain. Goldberg MR, et al. **Eur J Pharmacol** 1981 Jan 5;69(1):95–9

Endogenously formed PGE2 mediates the increase in cAMP accumulation in rabbit splenic fibroblasts following alpha-receptor stimulation. Jackisch R, et al. **Eur J Pharmacol** 1981 Apr 24;71(1):151–5

Investigation into different types of post- and presynaptic alpha-adrenoceptors at cardiovascular sites in rats. Kobinger W, et al. **Eur J Pharmacol** 1980 Aug 8; 65(4):393–402

Reduced number of alpha- and beta-adrenergic receptors in the myocardium of rats exposed to tobacco smoke. Larue D, et al. **Eur J Pharmacol** 1981 Apr 9;70(4):519–29

Disposition and activity of beta-adrenoceptor antagonists in the rat using an ex vivo receptor binding assay. Sriwatanakul K, et al. **Eur J Pharmacol** 1980 Aug 29; 66(2-3):169–78

Presynaptically acting catecholamines bind to alpha 2-adrenoceptors labelled by 3H-clonidine. Titeler M, et al. **Eur J Pharmacol** 1980 Oct 17;67(2-3):187–92

alpha 2-Adrenergic receptors are associated with renal proximal tubules. Young WS 3d, et al. **Eur J Pharmacol** 1980 Oct 31;67(4):493–5

Replacement of serum with a defined medium increases beta-adrenergic receptor number in cultured glioma cells. Dibner MD, et al. **Exp Cell Res** 1981 Feb;131(2):424–7

Distribution of beta-adrenergic receptors and isoproterenol-stimulated cyclic AMP formation in monkey iris and ciliary body. Bhargava G, et al. **Exp Eye Res** 1980 Oct;31(4):471–7

Effects of noradrenaline depletion on adrenergic and muscarinic cholinergic receptors in the cerebral cortex, hippocampus, and cerebellum. Sharma VK, et al. **Exp Neurol** 1981 Apr;72(1):179–94

Quantitative changes in beta-adrenergic responses of isolated atria from hyper- and hypothyroid rats. Rub HP, et al. **Experientia** 1981 Apr 15;37(4):399–401

Alpha- and beta-adrenergic receptors in rat myocardium membranes after prolonged ethanol inhalation. Sabourault D, et al. **Experientia** 1981 Mar 15;37(3):227–9

Evidence against a role of (Na+ + K+)-ATPase in the alpha-adrenoceptor mediated positive inotropic effect of phenylephrine. Schmitz W, et al. **Experientia** 1980 Nov 15;36(11):1313–5

High and low affinity states of beta-adrenergic receptors and their coupling with the adenylate cyclase in a muscle cell line. Mauger JP, et al. **FEBS Lett** 1981 May 18; 127(2):267–72

Heterogeneity and subcellular localization of hamster adipocyte alpha-adrenergic receptors: evidence of alpha 1- and alpha 2-subtypes. Pecquery R, et al. **FEBS Lett** 1980 Jul 11;116(1):85–90

The site of adrenergic alpha-receptor in rabbit intestine. Nakahata N, et al. **Fukushima J Med Sci** 1979;26(3-4):63–70

Characterization of beta-adrenergic receptors by (3H) isoproterenol in adipocytes of humans and rats. Pfeifle B, et al. **Horm Metab Res** 1981 Mar;13(3):150–5

Involvement of adrenergic receptors in skeletal muscle metabolism of the cold-adapted rat. van Hardeveld C, et al. **Horm Metab Res** 1980;12(6):264–9

Influence of hypocaloric diet on alpha-adrenergic responsiveness of obese human subcutaneous adipocytes. Berlan M, et al. **Int J Obes** 1981;5(2):145–53

Dihydroergocryptine binding sites in bovine and rat pineal glands. Vacas MI, et al. **J Auton Nerv Syst** 1980 Dec; 2(4):305–13

The reversal of the Gpp(NH)p-activated state of adenylate cyclase by GTP and hormone is by the 'collision coupling' mechanism. Arad H, et al. **J Biol Chem** 1981 Feb 25; 256(4):1593–7

Inhibitors of transglutaminase prevent agonist-mediated internalization of beta-adrenergic receptors. Chuang DM. **J Biol Chem** 1981 Aug 25;256(16):8291–3

Further evidence that desensitization of beta-adrenergic-sensitive adenylate cyclase proceeds in two steps. Modification of the coupling and loss of beta-adrenergic receptors. Homburger V, et al. **J Biol Chem** 1980 Nov 10;255(21):10436–44

Receptor-specific desensitization of the S49 lymphoma cell adenylyl cyclase. Unaltered behavior of the regulatory component. Iyengar R, et al. **J Biol Chem** 1981 May 25;

256(10):4810–5
Unmasking effect of alamethicin on the (Na+,K+)-ATPase, beta-adrenergic receptor–coupled adenylate cyclase, and cAMP-dependent protein kinase activities of cardiac sarcolemmal vesicles. Jones LR, et al. **J Biol Chem** 1980 Oct 25;255(20):9971–80
Evidence for high and low affinity alpha 2-receptors. Comparison of [3H]norepinephrine and [3H]phentolamine binding to human platelet membranes. Lynch CJ, et al. **J Biol Chem** 1981 Apr 10;256(7):3298–303
Liver cell adenylate cyclase and beta-adrenergic receptors. Increased beta-adrenergic receptor number and responsiveness in the hypothyroid rat. Malbon CC. **J Biol Chem** 1980 Sep 25;255(18):8692–9
Correlation of beta-adrenergic receptor–stimulated [3H]GDP release and adenylate cyclase activation. Differences between frog and turkey erythrocyte membranes. Pike LJ, et al. **J Biol Chem** 1981 Mar 10; 256(5):2207–12
Evidence that a beta-adrenergic receptor–associated guanine nucleotide regulatory protein conveys guanosine 5'–O–(3–thiotriphosphate)– dependent adenylate cyclase activity. Stadel JM, et al. **J Biol Chem** 1981 Aug 25; 256(16):8718–23
Postsynaptic alpha-adrenoceptor subtypes in rabbit blood vessels and rat anococcygeus muscle studied in vitro. Docherty JR, et al. **J Cardiovasc Pharmacol** 1981 Jul–Aug; 3(4):854–66
Corticosteroid-induced differential regulation of beta-adrenergic receptors in circulating human polymorphonuclear leukocytes and mononuclear leukocytes. Davies AO, et al. **J Clin Endocrinol Metab** 1980 Sep;51(3):599–605
Insulin and beta-adrenergic agonist binding to monocytes: reevaluation of published data. Felig P, et al. **J Clin Endocrinol Metab** 1980 Nov;51(5):1201
alpha-Adrenergic receptors in human adipocyte membranes: direct determination by [3H]yohimbine binding. Tharp MD, et al. **J Clin Endocrinol Metab** 1981 Apr;52(4):709–14
Pharmacological characterizations of adrenergic receptors in human adipocytes. Burns TW, et al. **J Clin Invest** 1981 Feb;67(2):467–75
Increased alpha-adrenergic receptors in ischemic cat myocardium. A potential mediator of electrophysiological derangements. Corr PB, et al. **J Clin Invest** 1981 Apr; 67(4):1232–6
Regulation of human leukocyte beta receptors by endogenous catecholamines: relationship of leukocyte beta receptor density to the cardiac sensitivity to isoproterenol. Fraser J, et al. **J Clin Invest** 1981 Jun;67(6):1777–84
Beta-adrenergic receptors and isoproterenol-stimulated potassium transport in erythrocytes from normal and hypothyroid turkeys. Quantitative relation between receptor occupancy and physiologic responsiveness. Furukawa H, et al. **J Clin Invest** 1980 Nov;66(5):1057–64
Impaired beta adrenergic receptor binding and function in cystic fibrosis neutrophils. Galant SP, et al. **J Clin Invest** 1981 Jul;68(1):253–8
Cellular mechanisms of impaired adrenergic responsiveness in neonatal dogs. Rockson SG, et al. **J Clin Invest** 1981 Feb;67(2):319–27
Selectivity of dobutamine for adrenergic receptor subtypes: in vitro analysis by radioligand binding. Williams RS, et al. **J Clin Invest** 1981 Jun;67(6):1703–11
(–)-[125I]-iodopindolol, a new highly selective radioiodinated beta-adrenergic receptor antagonist: measurement of beta-receptors on intact rat astrocytoma cells. Barovsky K, et al. **J Cyclic Nucleotide Res** 1980; 6(4):297–307
[125I]iodopindolol: a new beta adrenergic receptor probe. Ezrailson EG, et al. **J Cyclic Nucleotide Res** 1981; 7(1):13–26
Reconstitution of beta-adrenergic receptors into phospholipid vesicles: restoration of [125I]iodohydroxybenzylpindolol binding to digitonin–solubilized receptors. Fleming JW, et al. **J Cyclic Nucleotide Res** 1980;6(6):407–19
Characterization of radiolabeled agonist binding to beta-adrenergic receptors in mammalian tissues. Heidenreich KA, et al. **J Cyclic Nucleotide Res** 1980; 6(3):217–30
Interactions of agonists and antagonists with beta-adrenergic receptors on intact L6 muscle cells. Pittman RN, et al. **J Cyclic Nucleotide Res** 1980;6(6):421–35
Characteristics of adrenergic binding sites associated with murine lymphocytes isolated from spleen. Johnson DL, et al. **J Immunopharmacol** 1980;2(4):435–52
Interaction between parathyroid hormone and the beta-adrenoceptor system in cultured rat myocardial cells. Larno S, et al. **J Mol Cell Cardiol** 1980 Oct;12(10):955–64
Myocardial beta-adrenergic receptors in the stroke-prone spontaneously hypertensive rat. Mukherjee A, et al. **J Mol Cell Cardiol** 1980 Nov;12(11):1263–72
Locomotor activity and catecholamine receptor binding in adult normotensive and spontaneously hypertensive rats. Hellstrand K, et al. **J Neural Transm** 1980;48(1):57–63
Individually reared rats: alteration in noradrenergic brain functions. Kraeuchi K, et al. **J Neural Transm** 1981; 50(2–4):103–12
Characterization by [3H]dihydroergocryptine binding of alpha-adrenergic receptors in neuroblastoma X glioma hybrid cells. Haga T, et al. **J Neurochem** 1981 Mar; 36(3):1152–9
Identification of beta-adrenergic receptor binding sites in rat brain microvessels, using [125I]iodohydroxybenzylpindolol. Kobayashi H, et al. **J Neurochem** 1981 Apr;36(4):1383–8
Alterations in beta 1– and beta 2–adrenergic receptor density in the cerebellum of aging rats. Pittman RN, et al. **J Neurochem** 1980 Jul;35(1):273–5
Affinity of butriptyline and other tricyclic antidepressants for alpha-adrenoceptor binding sites in rat brain. Pugsley TA, et al. **J Pharm Pharmacol** 1981 Feb;33(2):113–5
Interactions of neuroleptic metabolites with dopaminergic, alpha adrenergic and muscarinic cholinergic receptors. Bylund DB. **J Pharmacol Exp Ther** 1981 Apr;217(1):81–6
Antagonist dissociation constants and relative agonist efficacies for compounds interacting with beta–1 and beta–2 adrenergic receptors in the rat jugular vein. Cohen ML, et al. **J Pharmacol Exp Ther** 1980 Nov;215(2):325–31
Effects of prolonged treatment with lithium and tricyclic antidepressants on discharge frequency, norepinephrine responses and beta receptor binding in rat cerebellum: electrophysiological and biochemical comparison. Schultz JE, et al. **J Pharmacol Exp Ther** 1981 Jan;216(1):28–38
Visualization of the turkey erythrocyte beta-adrenergic receptor. Durieu-Trautmann O, et al. **J Supramol Struct** 1980;13(4):411–9
A receptor reserve of the alpha-inhibitory receptor for alpha-adrenoceptor stimulants in the taenia caecum of guinea pig. Takayanagi I, et al. **Jpn J Pharmacol** 1980 Jun; 30(3):391–3
Developmental change of beta-adrenergic receptors in rat brain. Watanabe Y, et al. **Jpn J Pharmacol** 1980 Jun; 30(3):287–91
beta 1–Adrenergic receptors in kidney tubular cell membrane in the rat. Gavendo S, et al. **Kidney Int** 1980 Jun; 17(6):764–70
Central neurotransmitter receptors in hypertensive rats. Cantor EH, et al. **Life Sci** 1981 Feb 2;28(5):519–26
Human platelet alpha 2–adrenergic receptors: labeling with 3H–yohimbine, a selective antagonist ligand. Daiguji M, et al. **Life Sci** 1981 Jun 15;28(24):2705–17
Amitriptyline binding to specific alpha-adrenergic receptors in vitro. Leonard JP, et al. **Life Sci** 1980 Nov 17; 27(20):1875–80
A possible molecular mechanism for beta-receptor desensitization: experiments and hypotheses. Levitzki A, et al. **Life Sci** 1981 Feb 9;28(6):661–72
Effect of age on adrenergic and dopaminergic receptor binding in rat brain. Misra CH, et al. **Life Sci** 1980 Aug 11;27(6):521–6
The binding of fluorocatecholamines to adrenergic and dopaminergic receptors in rat brain membranes. Nimit Y, et al. **Life Sci** 1980 Oct 27;27(17):1577–85
Potent beta-adrenergic antagonist possessing chemically reactive group. Pitha J, et al. **Life Sci** 1980 Nov 10; 27(19):1791–8
Beta-adrenoceptors of human lymphocytes: decrease in affinity of agonist for (–)3h–dihydroalprenolol binding sites by cytoplasmic fractions. Watanabe Y, et al. **Life Sci** 1981 Mar 23;28(12):1399–405
II. Beta-adrenergic receptors and catecholamine sensitive adenylate cyclase in the developing rat lung. Whitsett JA, et al. **Life Sci** 1981 Jan 26;28(4):339–45
Alterations in central and peripheral adrenergic receptors in deoxycorticosterone/salt hypertensive rats. Yamada S, et al. **Life Sci** 1980 Dec 15;27(24):2405–16
Beta-adrenoceptor changes in submandibular glands of old mice. Piantanelli L, et al. **Mech Ageing Dev** 1980 Sep–Oct; 14(1–2):155–64
Response of white adipocyte of mouse and rabbit to catecholamines and ACTH. 3. Modified binding properties of beta-adrenoreceptor and its decreased coupling efficiency for adenylate cyclase. Fan CC, et al. **Mol Cell Biochem** 1981 Jan 20;34(1):51–8
Non-linear coupling between receptor occupancy and biologic effect as a requirement for a higher drug efficacy. Swillens S, et al. **Mol Cell Endocrinol** 1980 Dec; 20(3):233–42
Alternative explanation for the apparent 'two-step' binding kinetics of high-affinity racemic antagonist radioligands. Bürgisser E, et al. **Mol Pharmacol** 1981 May;19(3):509–12
Anomalous equilibrium binding properties of high-affinity racemic radioligands. Bürgisser E, et al. **Mol Pharmacol** 1981 Mar;19(2):205–16
A biochemical study of receptor internalization during beta-adrenergic receptor desensitization in frog erythrocytes. Chuang DM, et al. **Mol Pharmacol** 1980 Nov; 18(3):348–55
Homogeneity of beta 2–adrenoceptors on rat erythrocytes and reticulocytes. A comparison with heterogeneous rat lung beta-adrenoceptors. Dickinson K, et al. **Mol Pharmacol** 1981 Mar;19(2):194–204
beta-Adrenergic-sensitive adenylate cyclase in choroid plexus: properties and cellular localization. Nathanson JA. **Mol Pharmacol** 1980 Sep;18(2):199–209
Are only alpha 2–adrenergic receptors present in bovine retina? Bittiger H, et al. **Nature** 1980 Oct 16; 287(5783):645–7
Resolution, reconstitution and kinetics of the primary action of a hormone receptor. Citri Y, et al. **Nature** 1980 Sep 25;287(5780):297–300
Chronic morphine administration increases the apparent number of alpha 2–adrenergic receptors in rat brain. Hamburg M, et al. **Nature** 1981 Jun 11;291(5815):493–5
Re–evaluation of the number of specific beta–adrenergic receptors on muscle cells. Pochet R, et al. **Nature** 1979 Jan 4;277(5691):58–60
Beta adrenergic receptors in the parathyroid glands. Amenta F, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Sep; 313(3):195–8
An examination of factors influencing adrenergic transmission in the pithed rat, with special reference to noradrenaline uptake mechanisms and post–junctional alpha–adrenoceptors. Docherty JR, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Aug; 313(2):101–11
Alpha 2 adrenoceptors in rat brain: the divalent cation site. Glossmann H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Nov; 314(2):101–9
Two different biophases for adrenaline released by electrical stimulation or tyramine from the sympathetic nerve endings of the dog saphenous vein. Guimarães S, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Jun; 316(3):200–4
A pharmacological method to estimate the pKi of competitive inhibitors of agonist uptake processes in isolated tissues. Kenakin TP. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Apr; 316(2):89–95
The noradrenaline receptor coupled adenylate cyclase system in brain. Lack of modification by changes in the availability of serotonin. Mishra R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Jun; 316(3):218–24
Evidence that (+)-bupranolol interacts directly with myocardial beta–adrenoceptors. Control of optical purity with differential thermal analysis. Wächter W, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Aug; 313(1):1–8
Norepinephrine uptake in aging adrenergic nerve terminals. Hoffman DW, et al. **Neurobiol Aging** 1980 Summer; 1(1):65–8
Alteration in beta-adrenergic receptor binding in brain, lung and heart during morphine and alcohol dependence and withdrawal. Kuriyama K, et al. **Neuropharmacology** 1981 Jul;20(7):659–66
Adrenoceptors on central neurones: microelectrophoretic studies. Szabadi E. **Neuropharmacology** 1979 Nov; 18(11):831–43
Direct immunohistochemical detection of binding sites for beta–blocker within rat cerebellum. Amenta F, et al. **Neurosci Lett** 1981 Jun 12;24(1):59–63
Comparison of beta-adrenoceptors in bovine intracerebral microvessels and cerebral grey matter by [3H]dihydroalprenolol binding. Culvenor AJ, et al. **Neuroscience** 1981;6(8):1643–8
Diltiazem: lack of myocardial beta–adrenergic receptor–binding capacity. Flaim SF, et al. **Pharmacology** 1980;21(4):306–12
Adrenoceptors—classification, activation and blockade by drugs. Andersson KE. **Postgrad Med J** 1980;56 Suppl 2:7–16 (69 ref.)
Cytoskeletal constraint of the beta-adrenergic receptor in frog erythrocyte membranes. Cherksey BD, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6401–5
Agonist versus antagonist binding to alpha-adrenergic receptors. Hoffman BB, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4569–73
Hormone-receptor interactions are noncooperative: application to the beta-adrenergic receptor. Pollet RJ, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4340–4
Iodoazidobenzylpindolol, a photoaffinity probe for the beta-adrenergic receptor. Rashidbaigi A, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1609–13
Induction and properties of beta-adrenergic receptors during erythroid differentiation of Friend leukemic cells. Schmitt H, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4065–8
Interaction between beta-adrenergic receptors and guanine nucleotide sites in turkey erythrocyte membranes. Vauquelin G, et al. **Proc Natl Acad Sci USA** 1980 Jul; 77(7):3801–5
Photoaffinity label for the beta-adrenergic receptor: synthesis and effects on isoproterenol-stimulated adenylate cyclase. Wrenn SM Jr, et al. **Proc Natl Acad Sci USA** 1980 Aug; 77(8):4449–53
Cardiac histamine and adrenergic receptors. McNeill JH. **Proc West Pharmacol Soc** 1981;24:213–5
Changes in lymphocyte beta-adrenergic receptors in depression and mania. Extein I, et al. **Psychiatry Res** 1979 Oct;1(2):191–7
Binding affinity of levomepromazine and two of its major metabolites of central dopamine and alpha-adrenergic receptors in the rat. Dahl SG, et al. **Psychopharmacology (Berlin)** 1981;74(2):101–4
Dihydroergocryptine: a 'pseudo–irreversible' alpha–adrenergic antagonist in the guinea pig vas deferens. Wilberding CA, et al. **Res Commun Chem Pathol Pharmacol** 1981 Mar; 31(3):387–401
Catecholamine-induced alteration in sedimentation behavior of membrane bound beta-adrenergic receptors. Harden TK, et al. **Science** 1980 Oct;210(4468):441–3
[Effect of thyrotoxicosis on adrenergic receptors, cyclic

adenosine monophosphate, glycogen and enzymes of the myocardium] Felt V, et al. **Z Gesamte Inn Med** 1980 May 15;35(10):395–400 (Eng. Abstr.) **(Ger)**

[High and low affinity beta adrenergic receptor sites from submandibular glands of mice] Fattoretti P, et al. **Boll Soc Ital Biol Sper** 1980 Dec 15;56(23):2421–7 (Eng. Abstr.) **(Ita)**

[Dysfunction of beta-receptor in atopic disorders of the conjunctiva (author's transl)] Tada R, et al. **Nippon Ganka Gakkai Zasshi** 1981 Mar;85(3):226–8 (Eng. Abstr.) **(Jpn)**

[A radioreceptor assay for catecholamines. III. A study on the binding sites of catecholamines to alpha-adrenergic receptors (author's transl)] Ohmori Y, et al. **Nippon Naibunpi Gakkai Zasshi** 1980;56(12):1655–61 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Alpha-adrenergic vasoconstriction in arterial and arteriolar sections of the canine coronary circulation. Ertl G, et al. **Basic Res Cardiol** 1980 Sep–Oct;75(5):600–14

Hepatic microvascular regulatory mechanisms. I. Adrenergic mechanisms. Reilly FD, et al. **Microvasc Res** 1981 Jan; 21(1):103–16

Alpha-adrenoceptor-mediated modulation of 5-hydroxytryptamine release from rat brain cortex slices. Göthert M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Aug; 313(1):21–6

Drug regimens facilitating aggression: behavior, amine, and receptor alterations [proceedings] Eichelman B. **Psychopharmacol Bull** 1981 Jan;17(1):58–60

Possible mechanism of stimulation of gastrin secretion by exogenous serotonin in rats. Hierro JH, et al. **Rev Esp Fisiol** 1980 Sep;36(3):285–90

[Adrenergic receptors in coronary circulation] Kabela E. **Arch Inst Cardiol Mex** 1980 May–Jun;50(3):273–82 **(Spa)**

PHYSIOLOGY

Evidence for alpha-adrenergic receptors mediated TSH release in men. Zgliczyński S, et al. **Acta Endocrinol (Copenh)** 1980 Oct;95(2):172–6

Influence of the adrenergic system on carbohydrate uptake in skeletal muscles during their stimulated contractions. Grzymisławski M, et al. **Acta Med Pol** 1980;21(2):147–57

The role of beta receptors in the regulation of renin release. Gaál K, et al. **Acta Physiol Acad Sci Hung** 1979; 54(3):295–302

Central and peripheral adrenergic mechanisms in endotoxin fever and newborn guinea pigs. Székely M. **Acta Physiol Acad Sci Hung** 1979;54(3):257–63

The role of sodium pump activity in the hyperpolarization and in subsequent depolarization of smooth muscle in response to stimulation of post-synaptic alpha 1-adrenoceptors. Török TL, et al. **Acta Physiol Acad Sci Hung** 1980;55(3):233–50

Role of the adrenergic receptors in the central mechanism of the cardiovagal component of the arterial baroreceptor reflex. Izdebska E, et al. **Acta Physiol Pol** 1980;31(5):475–83

Amylase secretion in response to activation of different autonomic receptors in the rabbit parotid gland. Asking B, et al. **Acta Physiol Scand** 1980 Aug;109(4):407–13

Role of catecholamines in the genesis of arrhythmias. Bhagat BD, et al. **Adv Myocardiol** 1980;2:117–32

A central neuroendocrine system regulating brain volume. Raichle ME. **Adv Neurol** 1980;28:341–3

Enhanced alpha-adrenergic responsiveness in ischemic myocardium: role of alpha-adrenergic blockade. Corr PB, et al. **Am Heart J** 1981 Sep;102(3 Pt 2):605–12 (67 ref.)

Ontogenesis of beta-adrenergic receptors in the ovine placenta. Padbury JF, et al. **Am J Obstet Gynecol** 1981 Feb 15;139(4):459–64

Inhibition of renin secretion by intrarenal alpha-adrenoceptor blockade. Blair ML. **Am J Physiol** 1981 Jun;240(6):E682–8

Left stellate stimulation: regional myocardial flows and ischemic injury in dogs. Giudicelli JF, et al. **Am J Physiol** 1980 Sep;239(3):H359–64

Adrenergic mechanisms in canine intralobar pulmonary arteries and veins. Greenberg S, et al. **Am J Physiol** 1981 Feb;240(2):H274–85

Localization and characterization of adrenergic receptors on frog skin melanophores. Longshore MA, et al. **Am J Physiol** 1981 Jul;241(1):E84–9

Prostaglandin synthesis inhibitors reverse alpha-adrenergic inhibition of acute insulin response to glucose. Metz SA, et al. **Am J Physiol** 1980 Dec;239(6):E490–500

Evaluation of presynaptic alpha-receptor function in the canine renal vascular bed. Robie NW. **Am J Physiol** 1980 Sep;239(3):H422–6

Adrenoceptor desensitization after immobilization stress or repeated injection of isoproterenol. Yamaguchi I, et al. **Am J Physiol** 1981 May;240(5):H691–6

Vascular adrenergic receptor responses in skeletal muscle in myotonic dystrophy. Mechler F, et al. **Ann Neurol** 1981 Feb;9(2):157–62

Beta-adrenergic receptor subtypes: properties, distribution, and regulation. Minneman KP, et al. **Annu Rev Neurosci** 1981;4:419–61

Modulation of the activity of endogenous protein kinase inhibitors in rat heart by the beta adrenergic receptor. Szmigielski A. **Arch Int Pharmacodyn Ther** 1981 Jan; 249(1):64–71

The effect of visual deprivation on beta-adrenergic receptors in the visual centres of the rat brain. Burgoyne RD, et al. **Biochem Soc Trans** 1980 Oct;8(5):623–4

beta-Adrenergic receptors stimulated peroxidase secretion from rat lacrimal gland. Friedman ZY, et al. **Biochim Biophys Acta** 1981 Jun 11;675(1):40–5

The role of phosphorylation in the alpha-adrenergic-mediated inhibition of rat hepatic pyruvate kinase. Steiner KE, et al. **Biochim Biophys Acta** 1980 Oct 15;632(3):366–74

Characterization of the receptor mediating the antianaphylactic effects of beta-adrenoceptor agonists in human lung tissue in vitro. Butchers PR, et al. **Br J Pharmacol** 1980;71(2):663–7

Involvement of a central alpha-adrenoceptor system in antidepressant potentiation of hyperthermia induced by thyrotropin releasing hormone. Desiles M, et al. **Br J Pharmacol** 1980 Jun;69(2):163–6

alpha 1-adrenoceptors can mediate chronotropic responses in the rat heart. Flavahan NA, et al. **Br J Pharmacol** 1981 Jul;73(3):586–8

An investigation into the type of beta-adrenoceptor mediating sympathetically activated renin release in the cat. Johns EJ. **Br J Pharmacol** 1981 Jul;73(3):749–54

The effects of (+)- and (-)-propranolol on 3H-transmitter efflux in guinea-pig atria and the presynaptic beta-adrenoceptor hypothesis. Kalsner S. **Br J Pharmacol** 1980 Nov;70(3):491–8

Type of adrenoceptors involved in induction by adrenaline of hepatic alkaline phosphatase in mice in vivo. Mary PL, et al. **Br J Pharmacol** 1981 Jan;72(1):8–9

A hitch-hiker's guide to the galaxy of adrenoceptors. Lees GM. **Br Med J [Clin Res]** 1981 Jul 18;283(6285):173–8 (55 ref.)

Differentiation of alpha-adrenergic responsiveness in the neonatal rat iris after decentralization or extirpation of the superior cervical ganglion. Davies DC, et al. **Brain Res** 1981 May 25;213(1):119–26

Maintenance of blood pressure by beta adrenoceptor mediated renin release during different forms of anesthesia in rats. Leenen FH, et al. **Can J Physiol Pharmacol** 1981 Apr;59(4):364–70

Alpha adrenoreceptor mediated alteration of ethanol effects on (Na+ + K+)-ATPase of rat neuronal membranes. Rangaraj N, et al. **Can J Physiol Pharmacol** 1980 Nov; 58(11):1342–6

Regulation of the postsynaptic alpha-adrenergic receptor in rat mesenteric artery. Effects of chemical sympathectomy and epinephrine treatment. Colucci WS, et al. **Circ Res** 1981 Jan;48(1):104–11

Evidence for uncoupling of the beta receptor-adenylate cyclase complex. Marsh JD, et al. **Circ Res** 1980 Oct; 47(4):493–501

beta-Adrenergic regulation of total systemic intravascular volume in the dog. Rutlen DL, et al. **Circ Res** 1981 Jan; 48(1):112–20

Responsiveness of the coronary circulation to brief vs sustained alpha-adrenergic stimulation. Williams DO, et al. **Circulation** 1981 Jan;63(1):11–6

Plasma catecholamines and cardiac, renal and peripheral vascular adrenoceptor-mediated responses in different age groups of normal and hypertensive subjects. Bühler FR, et al. **Clin Exp Hypertens** 1980;2(3–4):409–26

Peripheral beta-adrenoceptor responsiveness in young normotensive and hypertensive subjects. Leenen FH, et al. **Clin Exp Hypertens** 1981;3(3):539–53

The role of alpha receptors in the facilitation of the chemoreflex and inhibition of the carotid occlusion reflex by clonidine. Sybertz EJ, et al. **Clin Exp Hypertens** 1980; 2(6):955–72

A study of the effects of hypothyroidism induced by propylthiouracil on adrenoceptors and noradrenaline levels in the vas deferens of the rat. Leedham JA, et al. **Clin Exp Pharmacol Physiol** 1981 Mar–Apr;8(2):159–70

Facilitation of sympathetic transmission by prejunctional beta-adrenoceptors in cardiac and vascular tissues. Medgett IC, et al. **Clin Exp Pharmacol Physiol** 1980 Sep–Oct; 7(5):573–7

Unaltered lymphocyte beta-adrenoceptor responsiveness in hyperthyroidism and hypothyroidism. Smith BM, et al. **Clin Pharmacol Ther** 1981 Mar;29(3):327–31

Altered cardiac beta-adrenoreceptors in spontaneously hypertensive rats receiving salt excess. MacPhee AA, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:169s–170s

alpha- and beta-adrenoreceptor-mediated control of brain noradrenaline neurons and antihypertensive therapy. Svensson TH, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:479s–481s

The beta-adrenergic receptor and its mode of coupling to adenylate cyclase. Levitzki A. **CRC Crit Rev Biochem** 1981; 10(2):81–112 (112 ref.)

Decreased alpha-adrenergic receptors in newborn platelets: cause of abnormal response to epinephrine. Corby DG, et al. **Dev Pharmacol Ther** 1981;2(4):215–25

Glucocorticoid regulation of myocardial beta-adrenergic receptors. Abrass IB, et al. **Endocrinology** 1981 Mar; 108(3):977–80

Xylazine-induced hyperglycemia in cattle: a possible involvement of alpha 2-adrenergic receptors regulating insulin release. Hsu WH, et al. **Endocrinology** 1981 Sep; 109(3):825–9

Alpha-adrenergic stimulation by clonidine increases plasma concentrations of immunoreactive beta-endorphin in rats. Pettibone DJ, et al. **Endocrinology** 1981 Sep;109(3):798–802

The role of hypothalamic adrenergic receptors in preventing testosterone-induced androgenization in the female rat brain. Raum WJ, et al. **Endocrinology** 1981 Jul;109(1):273–8

Gonadotropin-releasing hormone surge: possible modulation through postsynaptic alpha-adrenoreceptors and two pharmacologically distinct dopamine receptors. Sarkar DK, et al. **Endocrinology** 1981 Mar;108(3):862–7

Thyroid hormone regulation of rat heart, lymphocyte, and lung beta-adrenergic receptors. Scarpace PJ, et al. **Endocrinology** 1981 Mar;108(3):1007–11

Evidence for alpha-adrenergic regulation of episodic growth hormone and prolactin secretion in the undisturbed male rat. Terry LC, et al. **Endocrinology** 1981 May; 108(5):1869–73

Inhibition of human fat cell adenylate cyclase mediated via alpha-adrenoceptors. Kather H, et al. **Eur J Clin Invest** 1980 Oct;10(5):345–8

Adrenoceptor of the alpha 2-subtype mediating inhibition of the human fat cell adenylate cyclase. Kather H, et al. **Eur J Clin Invest** 1981 Apr;11(2 Suppl 1):111–4

Lack of modulation by presynaptic alpha 2-adrenoceptors of adrenergic transmitters release evoked by activation of 5-hydroxytryptamine and nicotine receptors. Carr SR, et al. **Eur J Pharmacol** 1981 Jun 10;72(1):27–34

Increase in response and number of alpha-adrenoceptors of rat vas deferens on brief pretreatment with an alpha-agonist. Hata F, et al. **Eur J Pharmacol** 1980 Oct 17;67(2–3):193–9

Role of alpha 1- and alpha 2-adrenoceptors in the modulation of the baroreflex vagal bradycardia. Huchet AM, et al. **Eur J Pharmacol** 1981 May 22;71(4):455–61

Chronic heart failure in the guinea pig increases cardiac alpha 1- and beta-adrenoceptors. Karliner JS, et al. **Eur J Pharmacol** 1980 Oct 3;67(1):115–8

Evidence for the alpha 2 nature of the alpha-adrenergic receptor inhibiting lipolysis in human fat cells. Lafontan M, et al. **Eur J Pharmacol** 1980 Aug 22;66(1):87–93

Beta 2 selective adrenergic responses in the field-stimulated rat vas deferens. Lotti VJ, et al. **Eur J Pharmacol** 1980 Dec 5;68(3):385–6

An interaction between prejunctional alpha-adrenoceptors and prejunctional beta-adrenoceptors. Majewski H, et al. **Eur J Pharmacol** 1981 Feb 19;69(4):493–8

Regulation of plasma insulin level by alpha 2-adrenergic receptors. Nakadate T, et al. **Eur J Pharmacol** 1980 Aug 8;65(4):421–4

Involvement of noradrenergic and dopaminergic neurons in shock-induced jumping in rats. Nishikawa T, et al. **Eur J Pharmacol** 1981 May 22;71(4):429–36

Characterization of alpha-adrenoceptors participating in the central hypotensive and sedative effects of clonidine using yohimbine, rauwolscine and corynanthine. Timmermans PB, et al. **Eur J Pharmacol** 1981 Mar 5;70(1):7–15

Ontogeny of mammalian cardiac alpha 1-adrenergic receptors. Yamada S, et al. **Eur J Pharmacol** 1980 Nov 21;68(2):217–21

Calcium currents modulated by adrenergic receptors in sympathetic neurons. McAfee DA, et al. **Fed Proc** 1981 Jun;40(8):2246–9

Adrenergic modulation of human pancreatic polypeptide (hPP) release. Sive AA, et al. **Gastroenterology** 1980 Oct; 79(4):665–72

Enhanced alpha-adrenoreceptor-mediated vasoconstriction in essential hypertension. Amann FW, et al. **Hypertension** 1981 May–Jun;3(3 Pt 2):I119–23

Preferential noradrenergic innervation of alpha-adrenergic receptors in vascular smooth muscle. Langer SZ, et al. **Hypertension** 1981 May–Jun;3(3 Pt 2):I112–8

Renin-angiotensin and adrenergic mechanisms in control of blood pressure in fowl. Nishimura H, et al. **Hypertension** 1981 May–Jun;3(3 Pt 2):I41–9

Changes in beta-adrenergic responsiveness of rats during chronic cold exposure. Barney CC, et al. **J Appl Physiol** 1980 Dec;49(6):923–9

Adrenoceptor control of lung fluid and protein exchange. Hakim TS, et al. **J Appl Physiol** 1981 Jul;51(1):68–72

Evidence for alpha-adrenergic innervation of the isolated canine thoracic duct. Russell JA, et al. **J Appl Physiol** 1980 Dec;49(6):1010–5

Effects of hypoxia on density of beta-adrenergic receptors. Voelkel NF, et al. **J Appl Physiol** 1981 Feb;50(2):363–6

Classically conditioned heart rate responses in Macaca mulatta after beta-adrenergic, vagal and ganglionic blockade. Turkkan JS, et al. **J Auton Nerv Syst** 1979 Dec; 1(2):211–27

Local noradrenaline release in acute myocardial ischemia: influence of catecholamine synthesis inhibition and beta-adrenoceptor blockade on ischemic injury. Abrahamsson T, et al. **J Cardiovasc Pharmacol** 1981 Jul–Aug;3(4):807–17

Presynaptic modulation of heart rate responses to cardiac nerve stimulation in pithed rats. Drew GM. **J Cardiovasc Pharmacol** 1980 Nov–Dec;2(6):843–56

Binding and functional characteristics of beta adrenergic receptors in the intact neutrophil. Galant SP, et al. **J Lab Clin Med** 1981 Aug;98(2):227–37

Characterization of alpha-adrenoceptor populations. Quantitative relationships between cardiovascular effects initiated at central and peripheral alpha-adrenoceptors.

Timmermans PB, et al. **J Med Chem** 1981 May;24(5):502-7
Accumulations of cyclic AMP in adenine-labeled cell-free preparations from guinea pig cerebral cortex: role of alpha-adrenergic and H1-histaminergic receptors. Daly JW, et al. **J Neurochem** 1980 Aug;35(2):326-37
Development of alpha-noradrenergic and Dopaminergic receptor systems depends on maturation of their presynaptic nerve terminals in the rat brain. Deskin R, et al. **J Neurochem** 1981 May;36(5):1683-90
Involvement of central alpha 2-adrenoceptors in the mediation of clonidine-induced hypotension in the cat. Hamilton TC, et al. **J Pharm Pharmacol** 1980 Nov; 32(11):788-9
beta 1-Adrenoceptors mediating relaxation of the guinea-pig trachea: experiments with prenalterol, a beta 1-selective adrenoceptor agonist. Johansson U, et al. **J Pharm Pharmacol** 1981 Jun;33(6):353-6
alpha 2-adrenoceptors modulating diarrhoea in morphine-dependent rats. Nakaki T, et al. **J Pharm Pharmacol** 1981 Jun;33(6):397-9
Adrenergic beta receptors mediating submandibular salivary gland hypertrophy in the rat. Brenner GM, et al. **J Pharmacol Exp Ther** 1981 Sep;218(3):608-12
A study designed to explore the hypothesis that beta-1 adrenoceptors are 'innervated' receptors and beta-2 adrenoceptors are 'hormonal' receptors. Bryan LJ, et al. **J Pharmacol Exp Ther** 1981 Feb;216(2):395-400
Comparison of the receptors mediating the catecholamine hyperpolarization and slow inhibitory postsynaptic potential in sympathetic ganglia. Cole AE, et al. **J Pharmacol Exp Ther** 1981 May;217(2):440-4
Cholinergic and alpha adrenergic augmentation of histamine-induced contraction of canine airway smooth muscle. Leff AR, et al. **J Pharmacol Exp Ther** 1981 Sep; 218(3):582-7
Adrenergic regulation of blood glucose levels: possible involvement of postsynaptic alpha-2 type adrenergic receptors regulating insulin release. Nakadate T, et al. **J Pharmacol Exp Ther** 1980 Oct;215(1):226-30
Effects of vaccination with Haemophilus influenzae on adrenoceptor function of tracheal and parenchymal strips. Schreurs AJ, et al. **J Pharmacol Exp Ther** 1980 Dec; 215(3):691-6
Site(s) and ionic basis of alpha-autoinhibition and facilitation of '3H'noradrenaline secretion in guinea-pig vas deferens. Alberts P, et al. **J Physiol (Lond)** 1981 Mar;312:297-334
Alpha-drenergic inhibition of calcium-dependent potentials in rat sympathetic neurones. Horn JP, et al. **J Physiol (Lond)** 1980 Apr;301:191-204
The effect of profound cooling on adrenergic neurotransmission in canine cutaneous veins. Rusch NJ, et al. **J Physiol (Lond)** 1981 Feb;311:57-65
Role of alpha 1 adrenoceptors in the turnover of phosphatidylinositol and of alpha 2 adrenoceptors in the regulation of cyclic AMP accumulation in hamster adipocytes. Garcia-Sinz JA, et al. **Life Sci** 1980 Sep 15; 27(11):953-61
Prejunctional alpha 2 adrenoceptors inhibit contraction of tracheal smooth muscle by inhibiting cholinergic neurotransmission. Grundström N, et al. **Life Sci** 1981 Jun 29;28(26):2981-6
Digitalis cardiotoxicity revisited. Lathers CM, et al. **Life Sci** 1980 Nov 10;27(19):1713-33 (204 ref.)
Evidence that ICI 118, 551 is a potent, highly Beta 2-selective adrenoceptor antagonist and can be used to characterize Beta-adrenoceptor populations in tissues. O'Donnell SR, et al. **Life Sci** 1980 Aug 25;27(8):671-7
Beta-adrenergic regulation of rat parotid gland exocrine protein secretion during aging. Ito H, et al. **Mech Ageing Dev** 1981 Feb;15(2):177-88
Adrenoceptor study of guinea-pig superior mesenteric--portal vein. Muir CK, et al. **Med J Malaysia** 1980 Jun;34(4):387-90
Lack of effects of beta sympathetic blockade on the metabolic and respiratory responses to carbohydrate feeding. Zwillich C, et al. **Metabolism** 1981 May;30(5):451-6
The hepatic adrenergic receptors. Schmelck PH, et al. **Mol Cell Biochem** 1980 Dec 10;33(1-2):35-48 (136 ref.)
Effect of long-term changes in sympathetic nervous activity on the beta-adrenergic receptor-adenylate cyclase complex of rat pineal gland. Cantor EH, et al. **Mol Pharmacol** 1981 Jan;19(1):21-6
Alpha-adrenergic regulation of cholinergic responses in rat parotid acinar cells. Davis JN, et al. **Mol Pharmacol** 1980 Nov;18(3):356-61
Independent desensitization of beta-adrenergic receptor-regulated magnesium transport and cyclic AMP accumulation. Erdos JJ, et al. **Mol Pharmacol** 1980 Nov; 18(3):379-83
Tonic in vivo inhibition of rabbit myometrial adrenergic receptors. Cornett LE, et al. **Nature** 1981 Aug 13; 292(5824):623-5
Mechanism of beta-adrenergic relaxation of smooth muscle. Scheid CR, et al. **Nature** 1979 Jan 4;277(5691):32-6
Conditions required for the inhibitory feedback loop in noradrenergic transmission. Story DF, et al. **Nature** 1981 Sep 3;293(5827):62-5
Alpha 2-adrenoceptors modulating insulin release from isolated pancreatic islets. Nakaki T, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Aug; 313(2):151-3
Organic and inorganic calcium antagonists reduce vasoconstriction in vivo mediated by postsynaptic alpha 2-adrenoceptors. Van Meel JC, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Jul; 316(4):288-93
Evidence for a growth hormone releasing factor mediating alpha-adrenergic influence on growth hormone secretion in the rat. Eden S, et al. **Neuroendocrinology** 1981 Jul; 33(1):24-7
Importance of norepinephrine alpha 2-receptor activation for morphine-induced rat growth hormone secretion. Eriksson E, et al. **Neuroendocrinology** 1981 Aug;33(2):91-6
Adaptive changes in catecholamine receptors in the central nervous system. Reisine T. **Neuroscience** 1981; 6(8):1471-502
Adrenergaically mediated ventricular fibrillation in probucol-treated dogs: roles of alpha and beta adrenergic receptors. Elharrar V, et al. **PACE** 1979 Jul;2(4):435-43
The role of beta-1-adrenoceptors in the renin release response to graded renal sympathetic nerve stimulation. Kopp U, et al. **Pfluegers Arch** 1980 Sep;387(2):107-13
Beta-adrenergic influence on cardiac dynamics during shock-avoidance in dogs. Grignolo A, et al. **Pharmacol Biochem Behav** 1981 Mar;14(3):313-9
Distribution of adrenergic receptors in the domestic fowl oviduct. Crossley J, et al. **Poult Sci** 1980 Oct;59(10):2331-5
Adrenergic regulation of intraocular pressure: identification of beta 2-adrenergic-stimulated adenylate cyclase in ciliary process epithelium. Nathanson JA. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7420-4
Role of prostaglandins, beta-adrenoceptors, and the central nervous system in the control of renin release in conscious sodium-depleted rats. Schiffrin EL, et al. **Proc Soc Exp Biol Med** 1980 Oct;165(1):151-4
Propranolol (Inderal) for tardive dyskinesia and extrapyramidal side effects from neuroleptics: possible involvement of beta-adrenergic mechanisms. Wilbur R, et al. **Prog Neuropsychopharmacol** 1980;4(6):627-32
Clonidine-induced hyperphagia in monkeys: evidence for alpha 2-noradrenergic receptor mediation. Schlemmer RF Jr, et al. **Psychopharmacology (Berlin)** 1981;73(1):99-100
Central pharmacological control of corticosterone secretion in the intact rat. Demonstration of cholinergic and serotoninergic facilitatory and alpha-adrenergic inhibitory mechanisms. Steiner JA, et al. **Psychopharmacology (Berlin)** 1980;71(3):213-7
Modulation of rat brain alpha-adrenoreceptor populations four weeks after stimulation of the nucleus locus coeruleus. Velley L, et al. **Psychopharmacology (Berlin)** 1981; 74(3):226-31
Virus exposure diminishes beta-adrenergic response in human leukocytes. Lee TP. **Res Commun Chem Pathol Pharmacol** 1980 Dec; 30(3):469-76
Alpha- and beta-adrenergically mediated responses in isolated lung strips of guinea pigs. Siegl PK, et al. **Res Commun Chem Pathol Pharmacol** 1981 Jun; 32(3):459-72
Reflex adrenergic inhibition of gastric motility by nociceptive intestinal stimulation and peritoneal irritation in the cat. Glise H, et al. **Scand J Gastroenterol** 1980;15(6):673-81
Sodium pump in skeletal muscle: central nervous system-induced suppression by alpha-adrenoreceptors. Akaike N. **Science** 1981 Sep 11;213(4513):1252-4
Evidence for a strong non-adrenergic component in the motor transmission to the rabbit vas deferens. Adebanjo AO, et al. **West Afr J Pharmacol Drug Res** 1979;5(1):95-105
[Recent progress in studies of adrenergic receptors (author's transl)] Sun Z, et al. **Sheng Li Ko Hsueh Chin Chan** 1980 Apr;11(4):289-95 (29 ref.) **(Chi)**
[Adrenergic factors in the hemodynamic adaptation to effort] Reybrouck T, et al. **Arch Mal Coeur** 1981 Jan;74(1):57-63 (Eng. Abstr.) **(Fre)**
[Signal transfer from beta-adrenergic receptor to adenylate cyclase (author's transl)] Pfeuffer T. **Arzneimittelforsch** 1980;30(11a):1987-91 (Eng. Abstr.) **(Ger)**
[The beta receptor in hypertension management and its role] Fischer M. **Med Klin** 1981 Jul 3;76(14):387-91 **(Ger)**
[New viewpoints on the pathophysiology and pathogenesis of arterial hypertension] Linss G, et al. **Z Gesamte Inn Med** 1980 Sep 15;35(18):88-91 (Eng. Abstr.) **(Ger)**
[A common pool of adenylate cyclase for different types of afferent receptors] Zamboni P, et al. **Boll Soc Ital Biol Sper** 1980 May 15;56(9):925-31 (Eng. Abstr.) **(Ita)**
[Shock and microcirculation, including the question of alpha, beta receptors in microcirculation] Hirota A, et al. **Nippon Rinsho** 1980;38(4):1825-30 **(Jpn)**
[Beta-adrenolysis and gastric function] Tkaczewski W. **Pol Arch Med Wewn** 1981 Mar;65(3):185-90 **(Pol)**
[Functional state of the adrenergic and cholinergic receptors in bronchial asthma and chronic bronchitis] Chuchalin AG, et al. **Sov Med** 1981;(1):26-31 (Eng. Abstr.) **(Rus)**
[Brain noradrenergic system in onto- and phylogeny] Khanbabian MV. **Zh Evol Biokhim Fiziol** 1980 Nov-Dec; 16(6):606-11 (45 ref.) **(Rus)**

PHYSIOPATHOLOGY

Enhanced beta-adrenergic-receptor responsiveness in hypoxic neonatal pulmonary circulation. Lock JE, et al. **Am J Physiol** 1981 May;240(5):H697-703
[High and low renin levels in essential hypertension: opposite extremes of sensitivity of the juxtaglomerular beta-adrenoreceptors to adrenergic stimulation] Morganti A, et al. **Boll Soc Ital Cardiol** 1979;24(11):1187-95 **(Ita)**

RADIATION EFFECTS

Selective survival of beta 1-adenergic receptors in rat cerebellum following neonatal x-irradiation. Minneman KP, et al. **Brain Res** 1981 Mar 23;209(1):25-34

RECEPTORS, ADRENERGIC, ALPHA see under **RECEPTORS, ADRENERGIC**

RECEPTORS, ADRENERGIC, BETA see under **RECEPTORS, ADRENERGIC**

RECEPTORS, ANDROGEN see under **RECEPTORS, STEROID**

RECEPTORS, ANGIOTENSIN see under **RECEPTORS, HORMONE**

RECEPTORS, ANTIGEN

ANALYSIS

Presence of a receptor for albumin on individual HBsAg polypeptides and on HBsAg produced by a hepatoma cell line. Ionescu-Matiu I, et al. **J Med Virol** 1980;6(2):175-8
The Tn receptors of human red cells and platelets. Cartron JP, et al. **Rev Fr Transfus Immunohematol** 1980 Nov; 23(5):613-28
Escherichia coli diarrhoea in pigs with or without the K88 receptor. Sellwood R. **Vet Rec** 1979 Sep 8;105(10):228-30

BLOOD

The Tn receptors of human red cells and platelets. Cartron JP, et al. **Rev Fr Transfus Immunohematol** 1980 Nov; 23(5):613-28

GENETICS

Functional antigen binding by the defective B cells of CBA/N x C3H/HeN F1 male mice. Snippe H, et al. **J Immunogenet** 1980 Oct;7(5):409-20

IMMUNOLOGY

Studies on the regulation of igm immune response. VII. changes in the affinity of antibodies and cell receptors after immunization with the T-cell independent antigen DNP-Ficoll. Fiebig H, et al. **Acta Biol Med Ger** 1979; 38(11-12):1627-37
A morphological and functional study on antigen binding and endocytosis by immunocytes. Goud B, et al. **Immunology** 1980 Dec;41(4):833-48

METABOLISM

Isolation of an (O,H,Vi)-free immunoprotective antigenic fraction with mannose receptor-like activity from Salmonella typhi. Jouin H, et al. **J Infect Dis** 1981 Jan; 143(1):106-13

RECEPTORS, ANTIGEN, B-CELL

Preliminary evidence of dual-marked lymphocytes in thoracic duct lymph fluid. Cicciarelli JC, et al. **Transplant Proc** 1980 Sep;12(3):490-2

ANALYSIS

Mouse red cell receptors on human hematopoietic cell lines. Sundström C, et al. **J Clin Lab Immunol** 1980 Mar; 3(2):99-103

IMMUNOLOGY

Studies on the capacity of B cells to serve as antigen-presenting cells. Chesnut RW, et al. **J Immunol** 1981 Mar;126(3):1075-9
Suppression of human T and B lymphocyte activation by Agaricus bisporus lectin. I. Suggestive evidence for a surface 'suppressor' receptor in human lymphocytes. Greene WC, et al. **J Immunol** 1981 Feb;126(2):580-6
Antigen specific receptors on murine B cell lineage. 2. Different effect of rosette-forming cell depletion on IgM and IgG antibody forming cell precursors in primary and secondary response. Kakiuchi T, et al. **Jpn J Exp Med** 1980 Aug;50(4):245-51
Antigen specific receptors on murine B cell lineage. 1. On antibody forming cells in various stages of immune response. Kakiuchi T, et al. **Jpn J Exp Med** 1980 Aug; 50(4):237-43
Tolerance as an active process. Teale JM, et al. **Nature** 1980 Nov 27;288(5789):385-7

RECEPTORS, ANTIGEN, T-CELL

Antigen-specific T-cell hybrids. I. Ovalbumin binding T-cell hybrid. Whitaker RB, et al. **Cell Immunol** 1980 Sep 15; 55(1):56-65
Specificity of antigen binding by T cells; competition between soluble and Ia-associated antigen. Lonai P, et al. **Eur J Immunol** 1981;11(5):382-7
Antigen-binding receptors on T cells from long-term MLR.

evidence of binding sites for allogeneic and self-MHC products. Elliott BE, et al. **Immunogenetics** 1980; 11(2):177–90

Receptor specificity, functional characteristics, and cell-surface phenotype of a highly selected anti-I-Ab-specific, long-term T-cell line. Elliott BE, et al. **Immunogenetics** 1981 Mar 1;12(5–6):525–40

Herpes-Simplex-virus-specific, H-2Dk-restricted T lymphocytes bear receptors for H-2Dd alloantigen. Pfizenmaier K, et al. **Immunogenetics** 1980;11(2):169–76

Nature of T lymphocyte recognition of macrophage-associated antigens. V. Contribution of individual peptide residues of human fibrinopeptide B to T lymphocyte responses. Thomas DW, et al. **J Exp Med** 1980 Sep 1;152(3):620–32

Genetic control of contract hypersensitivity. II. Suppressor cells induced by intravenous injection of DNP-coupled syngeneic spleen cells possessing thy-1 antigen, I-J determinant, Lyt-2+, 3+ antigen, FcR- and DNP-membrane binding receptor on their surfaces. Ishii N, et al. **Microbiol Immunol** 1981;25(1):63–70

Molecular biology of T-cell receptors: introduction. Marchalonis JJ. **Mol Immunol** 1980 Jul;17(7):795–801 (68 ref.)

Preliminary evidence of dual-marked lymphocytes in thoracic duct lymph fluid. Cicciarelli JC, et al. **Transplant Proc** 1980 Sep;12(3):490–2

ANALYSIS

Presence of human B-lymphocyte antigens on adult T-cell leukemia cells. Hattori T, et al. **Clin Immunol Immunopathol** 1980 Oct;17(2):287–95

The immunoglobulin-like T cell receptor—IV. Quantitative cellular assay and partial characterization of a heavy chain cross-reactive with the Fd fragment of serum mu chain. Marchalonis JJ, et al. **Mol Immunol** 1980 Jul;17(7):985–99

Coexistence of variable region of immunoglobulin heavy chain and I region gene products on antigen-specific suppressor T cells and suppressor T cell factor. A minimal model of functional antigen receptor of T cells. Tada T, et al. **Mol Immunol** 1980 Jul;17(7):867–75

[Evolutionary origin of the T-lymphocyte receptor. II. Production and partial characterization of antisera to the immunoglobulin-like cell membrane protein from thymocytes of the carp] Fiebig H, et al. **Acta Biol Med Ger** 1980;39(7):845–53 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Interaction between prostaglandins and human T lymphocytes: effect of PGE2 on E-receptor expression. Venza-Teti D, et al. **Immunopharmacology** 1980 Apr; 2(2):165–71

Cyclosporin A blocks receptors for HLA-DR antigens on T cells. Palacios R, et al. **Nature** 1981 Apr 30; 290(5809):792–4

GENETICS

Expression of an antigen receptor on T cells does not require recombination at the immunoglobulin JH-C mu locus. Cayre Y, et al. **Proc Natl Acad Sci USA** 1981 Jun; 78(6):3814–8

[Narrow specificity of T-suppressor receptors immune to H-2 complex antigens] Brondz BD, et al. **Genetika (Moskva)** 1980;16(12):2151–63 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Hot lymphocyte E rosette formation and its effect on changes in endogenous lymphocyte cAMP levels. Shi J, et al. **Chin Med J [Engl]** 1980 Oct;93(10):709–11

Hapten-specific helper T cells III. Fine specificity of the (4-hydroxy-3-nitro-phenyl)acetyl (NP)-specific response in Igh-1b mice. Martinez-Alonso C, et al. **Eur J Immunol** 1981 Mar;11(3):172–4

Anti-self receptors. IV. H-2-restricted receptors on thymocytes recognize carbohydrate structures on target cells. Sia DY, et al. **Immunogenetics** 1981 Mar 1; 12(5–6):587–99

Mechanism of immune interferon production in vitro: interaction between immune interferon-producing cells and antigenic cells. Ito Y, et al. **Infect Immun** 1981 Mar; 31(3):879–89

Differential major histocompatibility complex-related activation of idiotypic suppressor T cells. Suppressor T cells cross-reactive to two distantly related lysozymes are not induced by one of them. Adorini L, et al. **J Exp Med** 1980 Sep 1;152(3):521–31

Lyt-2-/Lyt 3- variants of a cloned cytolytic T cell line lack an antigen receptor functional in cytolysis. Dialynas DP, et al. **J Exp Med** 1981 Mar 1;153(3):595–604

Quantitative studies on T cell diversity. I. Determination of the precursor frequencies for two types of streptococcus A-specific helper cells in nonimmune, polyclonally activated splenic T cells. Eichmann K, et al. **J Exp Med** 1980 Sep 1;152(3):477–92

Specificity of cytotoxic T cells from athymic mice. Hünig T, et al. **J Exp Med** 1980 Sep 1;152(3):688–702

Hapten-specific T cell responses to 4-hydroxy-3-nitrophenyl acetyl. VI. Evidence for different T cell receptors in cells that mediate H-21-restricted and H-2D-restricted cutaneous sensitivity responses. Sunday ME, et al. **J Exp Med** 1980 Dec 1;152(6):1554–62

Suppression of human T and B lymphocyte activation by Agaricus bisporus lectin. I. Suggestive evidence for a surface 'suppressor' receptor in human lymphocytes. Greene WC, et al. **J Immunol** 1981 Feb;126(2):580–6

The molecular biology of T cell receptors: a symposium. **Mol Immunol** 1980 Jul;17(7):795–1010

Cooperativity in antigen binding as a potential element in Tc cell recognition. Blanden RV, et al. **Mol Immunol** 1980 Jul;17(7):893–6

Biological immunological and genetic characterization of specific suppressor T cells and their receptors immune to antigens of the H-2 complex. Clonal structure, narrow specificity of receptors and genetic restriction of specific T-suppressor function. Brondz BD, et al. **Mol Immunol** 1980 Jul;17(7):833–49

The genetic and cellular basis of antigen and receptor stimulated regulation. Greene MI, et al. **Mol Immunol** 1980 Jul;17(7):857–66

T cell lymphoma expressing immunoglobulin with DNP-binding activity--a possible model for T cell receptor. Moroz C, et al. **Mol Immunol** 1980 Jul; 17(7):905–12

Binding of MLR precursors requires immunosorbents which present both self-and alloantigen. Schnagl HY, et al. **Nature** 1981 Jul 30;292(5822):459–61

Alloreactivity of an antigen-specific T-cell clone. Sredni B, et al. **Nature** 1980 Oct 30;287(5785):855–7

Recognition of H-2 domains by cytotoxic T lymphocytes. Weyand C, et al. **Nature** 1981 Aug 13;292(5824):627–9

Antibody responses to T-activated red cells in children from high- and low-risk areas of cancer of the oesophagus in Transkei. Vos GH, et al. **S Afr Med J** 1981 Jul 11; 60(2):56–60

T-Cell receptor idiotypes. Janeway C, et al. **Scand J Immunol** 1980;12(2):83–92

Two distinct molecules that compose an antigen-specific suppressor factor. Taniguchi M. **Transplant Proc** 1980 Sep; 12(3):423–6

[Use of heterologous antireceptor antibodies for specific reversal of acute homologous disease in mice] Nesterenko VG, et al. **Biull Eksp Biol Med** 1980 Nov;90(11):588–90 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Preparation of an antigen-binding fragment from murine T lymphocyte membranes. Callahan HJ, et al. **Mol Immunol** 1980 Jul;17(7):897–904

Evolutionary origin of the T lymphocyte receptor—I. Immunochemical investigation of immunoglobulin-like cell surface protein of carp thymocytes. Fiebig H, et al. **Mol Immunol** 1980 Jul;17(7):971–84

Antigen-specific molecules from murine T lymphocytes and T cell hybridomas. Goodman JW, et al. **Mol Immunol** 1980 Jul;17(7):933–45

Isolation and partial characterization of antigen-binding molecules produced by in vitro 'educated' T cells. O'Connor S, et al. **Mol Immunol** 1980 Jul;17(7):913–24

METABOLISM

The effect of transfer factor on spontaneous shedding of sheep red blood cell binding receptors of T lymphocytes in vitro. Nékám K, et al. **Acta Med Acad Sci Hung** 1980; 37(1):83–8

PHYSIOLOGY

A one-receptor view of T-cell behaviour. Matzinger P. **Nature** 1981 Aug 6;292(5823):497–501

RECEPTORS, CHOLINERGIC

Monoclonal antibodies as probes of acetylcholine receptor structure. 1. Peptide mapping. Gullick WJ, et al. **Biochemistry** 1981 Apr 14;20(8):2173–80

Temperature dependent alterations in the cardiac muscarinic receptor conformation. Phan NT, et al. **Eur J Pharmacol** 1980 Oct 31;67(4):497–8

Molecular requirements of the active sites of the cholinergic receptors. XII - 3-Methyl-2-oxo-1-dimethylaminomethylcyclopentane methiodide as a new selective agonist for the nicotinic receptor. Giannella M, et al. **Farmaco [Sci]** 1980 Apr; 35(4):253–62

Molecular requirements of the active sites of the cholinergic receptors. XIII - Stereospecific synthesis of 3c-methyl-2t-hydroxy-1r-dimethyl-aminomethylcyclopen methiodide and its dehydroderivative. Giannella M, et al. **Farmaco [Sci]** 1980 Apr;35(4):263–8

Molecular requirements of the active sites of the cholinergic receptors. XI - Synthesis and biological evaluation of isomuscarie and its isomers. Pigini M, et al. **Farmaco [Sci]** 1980 Mar;35(3):167–80

Conditions for the selective labelling of the 66 000 dalton chain of the acetylcholine receptor by the covalent non-competitive blocker 5-azido-[3H]trimethisoquin. Saitoh T, et al. **FEBS Lett** 1980 Jul 11;116(1):30–6

The parallel, time-dependent, bimodal change in lymphocyte cholinergic binding activity and cholinergic influence upon lymphocyte-mediated cytotoxicity after lymphocyte activation. Strom TB, et al. **J Immunol** 1981 Aug; 127(2):705–10

The acetylcholine receptor. Stevens CF. **Nature** 1980 Sep 4;287(5777):13–4

Crystalline arrays of membrane-bound acetylcholine receptor. Kistler J, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3678–82

Ultraviolet light-induced labeling by noncompetitive blockers of the acetylcholine receptor from Torpedo marmorata. Oswald R, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3925–9

Asymmetry of the acetylcholine channel revealed by quaternary anesthetics. Horn R, et al. **Science** 1980 Oct 10;210(4466):205–7

ANALYSIS

Phospholipid chain immobilization and steroid rotational immobilization in acetylcholine receptor-rich membranes from Torpedo marmorata. Marsh D, et al. **Biochim Biophys Acta** 1981 Jul 6;645(1):97–101

Identification of regions of high acetylcholine receptor density in tannic acid-fixed postsynaptic membranes from electric tissue. Sealock R. **Brain Res** 1980 Oct 20; 199(2):267–81

Junctional and extrajunctional acetylcholine receptors. Tipnis UR, et al. **Can J Physiol Pharmacol** 1980 May;58(5):445–58 (112 ref.)

The localization of acetylcholine receptor clusters in areas of cell-substrate contact in cultures of rat myotubes. Bloch RJ, et al. **Cell** 1980 Aug;21(1):25–35

Autonomic receptors in smooth muscle of cat urinary bladder. Miranda H, et al. **Gen Pharmacol** 1981;12(1):37–40

Mapping of surface structures of electrophorus acetylcholine receptor using monoclonal antibodies. Tzartos SJ, et al. **J Biol Chem** 1981 Aug 25;256(16):8635–45

Structure of acetylcholine receptor dimer determined by neutron scattering and electron microscopy. Wise DS, et al. **J Biol Chem** 1981 Apr 25;256(8):4124–6

Absence of filipin-sterol complexes from the membranes of active zones and acetylcholine receptor aggregates at frog neuromuscular junctions. Nakajima Y, et al. **J Cell Biol** 1981 Feb;88(2):453–8

Measurement of acetylcholine receptor and anti-receptor antibodies by ELISA. Norcross NL, et al. **Muscle Nerve** 1980 Jul-Aug;3(4):345–9

Congenital myasthenia: end-plate acetylcholine receptors and electrophysiology in five cases. Vincent A, et al. **Muscle Nerve** 1981 Jul-Aug;4(4):306–18

Muscarinic receptors in the posterior pituitary gland. Tolliver JM, et al. **Neuroendocrinology** 1981 Jan;32(1):33–7

Ultrastructural localization of acetylcholine receptor at the motor endplate: myasthenia gravis and other neuromuscular diseases. Tsujihata M, et al. **Neurology (NY)** 1980 Nov;30(11):1203–11

Acetylcholine receptor site density affects the rising phase of miniature endplate currents. Land BR, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3736–40

[Research on alpha-bungarotoxin and nicotinic acetylcholine receptors (author's transl)] Chen SQ. **Sheng Li Ko Hsueh Chin Chan** 1980 Apr;11(4):296–302 **(Chi)**

[Autoradiographic localization of acetylcholine receptors in the rat superior cervical ganglion] Fumagalli L. **Boll Soc Ital Biol Sper** 1980 Aug 15;56(15):1531–4 (Eng. Abstr.) **(Ita)**

[Pontine cholinergic nuclei of the human brain] Motavkin PA, et al. **Arkh Anat Gistol Embriol** 1980 Nov;79(11):23–8 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Inhibition of ion permeability control properties of acetylcholine receptor from Torpedo californica by long-chain fatty acids. Andreasen TJ, et al. **Biochemistry** 1980 Sep 30;19(20):4719–26

Comments on: 'anticholinergic effects of disopyramide and quinidine on guinea pig myocardium--mediation by direct muscarinic receptor blockade' [letter] Benfey BG. **Circ Res** 1981 Sep;49(3):821

Membrane manoeuvres in Marseille [news] Hider RC. **Nature** 1981 Aug 27;292(5826):803–4

BIOSYNTHESIS

Role of calcium in the regulation of acetylcholine receptor synthese in cultured muscle cells*. Birnbaum M, et al. **Pfluegers Arch** 1980 MAY;385(1):37–43

[Sites of synthesis of acetylcholine receptors in denervated muscles] Giacobini Robecchi MG, et al. **Bull Assoc Anat (Nancy)** 1980 Sep;64(186):387–90 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Effect of the blockade of adrenergic, serotoninergic and cholinergic receptors of the central nervous system on the action of prostaglandin F2 alpha in rat. Brus R. **Acta Med Pol** 1981;22(1):1–6

Effect of nicotinic and muscarinic drugs on amphetamine- and apomorphine-induced circling behaviour in rats. Kaakkola S. **Acta Pharmacol Toxicol (Copenh)** 1981 Feb; 48(2):162–7

Adrenergic and cholinergic responses in the uteroplacental

vascular bed of the guinea pig. Egund N, et al. **Acta Radiol [Diagn] (Stockh)** 1980;21(3):389–96

The role of cholinergic supersensitivity in the medical symptoms associated with withdrawal of antipsychotic drugs. Luchins DJ, et al. **Am J Psychiatry** 1980 Nov; 137(11):1395–8

Physostigmine in Tourette syndrome: evidence for cholinergic underactivity. Stahl SM, et al. **Am J Psychiatry** 1981 Feb;138(2):240–2

Prejunctional and postjunctional cholinoceptors at the neuromuscular junction. Bowman WC. **Anesth Analg (Cleve)** 1980 Dec;59(12):935–43 (34 ref.)

Apparent activity of 5-methylfurmethide at muscarinic receptors. Ochillo RF. **Arch Int Pharmacodyn Ther** 1980 Nov;248(1):69–75

Structure and conformation activity relationships of heterocyclic acetylcholine analogues. X. The inhibitory effect of 3-quinuclidinyl benzilates on cardiac muscarinic receptors. Lambrecht G. **Arzneimittelforsch** 1980; 30(12):2113–5

Agonist-specific reverse regulation of muscarinic receptors by transition metal ions and guanine nucleotides. Gurwitz D, et al. **Biochem Biophys Res Commun** 1980 Oct 16; 96(3):1296–304

The effect of sodium bisulphite on nicotinic cholinoceptors in the frog rectus abdominis muscle. Watson SP, et al. **Biochem Pharmacol** 1981 Feb 15;30(4):395–7

Proteolytic nicking of the acetylcholine receptor. Lindstrom J, et al. **Biochemistry** 1980 Oct 14;19(21):4791–5

Agonist specific effects of guanine nucleotides on muscarinic cholinergic receptors in rat anterior pituitary membranes. Mukherjee A, et al. **Biochim Biophys Acta** 1981 Apr 17; 674(1):160–5

Muscarinic receptors in rat sympathetic ganglia. Brown DA, et al. **Br J Pharmacol** 1980 Dec;70(4):577–92

Antagonist discrimination between ganglionic and ileal muscarinic receptors. Brown DA, et al. **Br J Pharmacol** 1980;71(2):362–4

Intracellular observations on the effects of muscarinic agonists on rat sympathetic neurones. Brown DA, et al. **Br J Pharmacol** 1980 Dec;70(4):593–608

A re-evaluation of acetylcholine receptors on feline Renshaw cells. King KT, et al. **Br J Pharmacol** 1981 Jun;73(2):455–60

The interaction of amine local anaesthetics with muscarinic receptors. Taylor WJ, et al. **Br J Pharmacol** 1980; 71(1):327–35

Serotonin, dopamine and intracellular cyclic AMP inhibit the responses of nicotinic cholinergic membrane in snail neurons. Akopyan AR, et al. **Brain Res** 1980 Nov 17; 201(2):480–4

Effect of kainic acid lesions on muscarinic agonist receptor subtypes in rat striatum. Briggs RS, et al. **Brain Res** 1981 Feb 16;206(2):451–6

Neuronal hypersensitivity to acetylcholinesterase inhibitors induced by a kindling stimulus in the rabbit brain. Girgis M. **Brain Res** 1981 Mar 16;208(2):379–86

Trimethadione effects on cholinergic responses in Aplysia neurons. King WM, et al. **Brain Res** 1981 Mar 23; 209(1):221–6

The effect of kainic acid on cholinergic enzymes and receptors in the amygdala complex of the rat. McCaughran JA Jr, et al. **Brain Res** 1980 Oct 13;199(1):127–33

A critical evaluation of the use of toxins from Dendroaspis viridis to block nicotinic responses at central and ganglionic synapses. Quik M, et al. **Brain Res** 1981 Mar 23; 209(1):129–43

Estradiol 17 beta increases the number of muscarinic receptors in hypothalamic nuclei. Rainbow TC, et al. **Brain Res** 1980 Sep 29;198(1):239–43

Monoamine replacement after reserpine: catecholaminergic agonists restore motor activity but phenylethylamine restores atropine-resistant neocortical low voltage fast activity. Vanderwolf CH, et al. **Brain Res** 1980 Nov 24; 202(1):65–77

Potentiation and inhibition of nicotinic effects on striated muscle by the tetramine disulfide benextramine. Benfey BG, et al. **Can J Physiol Pharmacol** 1980 Aug;58(8):984–8

Irreversible alpha adrenoceptor blocking effects and reversible muscarinic blocking and nicotinic blocking effects of tetramine disulfides on the heart. Benfey BG, et al. **Can J Physiol Pharmacol** 1980 Dec;58(12):1477–83

Long-term administration of atropine, imipramine, and viloxazine alters responsiveness of rat cortical neurones to acetylcholine. Jones RS. **Can J Physiol Pharmacol** 1980 May;58(5):531–5

Baclofen modifies via the release of monoamines the synaptic depression, frequency facilitation, and posttetanic potentiation observed at an identified cholinergic synapse of Aplysia californica. Philippe E, et al. **Can J Physiol Pharmacol** 1981 Mar;59(3):244–52

Lack of modulation by presynaptic alpha 2-adrenoceptors of adrenergic transmitters release evoked by activation of 5-hydroxytryptamine and nicotine receptors. Carr SR, et al. **Eur J Pharmacol** 1981 Jun 10;72(1):27–34

In vitro and in vivo activities of anticholinergics on the cholinoceptors of the cardiac pacemaker cells. Chassaing C, et al. **Eur J Pharmacol** 1981 Jun 19;72(2-3):165–72

Evidence that noradrenaline modulates the increase in striatal dopamine metabolism induced by muscarinic receptor stimulation. Weinstock M, et al. **Eur J Pharmacol** 1980 Dec 19;68(4):427–35

Secoverine selectively antagonizes muscarinic effects in various in vivo preparations. Zwagemakers JM, et al. **Eur J Pharmacol** 1981 Apr 24;71(1):165–8

Effects of drug-induced paralysis and depolarisation on acetylcholine receptor and cyclic nucleotide levels of chick muscle cultures. Betz H. **FEBS Lett** 1980 Sep 8; 118(2):289–92

The effect of cholesterol on agonist-induced flux in reconstituted acetylcholine receptor vesicles. Dalziel AW, et al. **FEBS Lett** 1980 Dec 29;122(2):193–6

Regulation of acetylcholine receptors by endogenous cotransmitters: studies of adrenal medulla. Costa E, et al. **Fed Proc** 1981 Feb;40(2):160–5

Cholinergic rebound in neuroleptic withdrawal syndromes [letter] Lieberman J. **J Clin Psychiatry** 1981 Apr;42(4):179

Changes in vagal activity and response to muscarinic receptor agonists with age. Kelliher GJ, et al. **J Gerontol** 1980 Nov; 35(6):842–9

Phosphatidylinositol labelling in response to activation of muscarinic receptors in bovine adrenal medulla. Mohd NA, et al. **J Neurochem** 1981 May;36(5):1858–60

Effects of long-term administration of ambenonium chloride on motor end-plate fine structure and acetylcholine receptor in rat. Hazama R, et al. **J Neurol Sci** 1981 Jul; 51(1):69–79

Molecular requirements of the active site of cholinergic receptors XV: Synthesis and biological activity of 2,3-dehydrodeoxamuscarone and 2,3-dehydrodeoxamuscarines. Angeli P, et al. **J Pharm Sci** 1981 May;70(5):489–92

Acetylcarnitine and cholinergic receptors. Reed KW, et al. **J Pharm Sci** 1980 Sep;69(9):1065–8

Interaction of the tricyclic antidepressant amitriptyline with prejunctional alpha and muscarinic receptors in the dog saphenous vein. Collis MG, et al. **J Pharmacol Exp Ther** 1980 Jun;213(3):616–22

Types of muscarinic response in Xenopus oocytes. Dascal N, et al. **Life Sci** 1980 Oct 13;27(15):1423–8

Characterization of muscarinic cholinergic receptors on intact rat anterior pituitary cells. Mukherjee A, et al. **Life Sci** 1980 Aug 11;27(6):475–82

Sites of action of phencyclidine. II. Interaction with the ionic channel of the nicotinic receptor. Albuquerque EX, et al. **Mol Pharmacol** 1980 Sep;18(2):167–78

Sites of action of phencyclidine. III. Interactions with muscarinic receptors. Aronstam RS, et al. **Mol Pharmacol** 1980 Sep;18(2):179–84

Effects of lanthanides on muscarinic acetylcholine receptor function. El-Fakahany E, et al. **Mol Pharmacol** 1981 Mar; 19(2):282–90

Anatoxin-a: a novel, potent agonist at the nicotinic receptor. Spivak CE, et al. **Mol Pharmacol** 1980 Nov;18(3):384–94

Alterations in cardiac autonomic receptors following 6-hydroxydopamine treatment in rats. Yamada S, et al. **Mol Pharmacol** 1980 Sep;18(2):185–92

The obligatory role of endothelial cells in the relaxation of arterial smooth muscle by acetylcholine. Furchgott RF, et al. **Nature** 1980 Nov 27;288(5789):373–6

Pre- and postsynaptic effects of muscarinic agonists in the guinea-pig ileum. Kilbinger H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Nov; 314(3):259–66

Choline inhibits acetylcholine release via presynaptic muscarine receptors. Kilbinger H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Apr; 316(2):131–4

Comparison of the antimuscarinic activity of mianserin and amitriptyline in the cat superior cervical ganglion. Kwok YH, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Apr;316(2):161–4

The time course of the muscarinic response to ionophoretic acetylcholine application to the S-A node of the rabbit heart. Osterrieder W, et al. **Pfluegers Arch** 1981 Mar; 389(3):283–91

Muscarinic receptor binding and behavioral effects of atropoine following chronic catecholamine depletion or acetylcholinesterase inhibition in rats. Schallert T, et al. **Pharmacol Biochem Behav** 1980 Aug;13(2):187–92

Neuronal links in the CNS: focus on dopaminergic and serotonergic regulation of striatal cholinergic neurons. Garattini S, et al. **Pol J Pharmacol Pharm** 1980 Mar-Apr; 32(2):155–64

Inhibitory effect of alpha-fetoprotein on the binding of myasthenia gravis antibody to acetylcholine receptor. Brenner T, et al. **Proc Natl Acad Sci USA** 1980 Jun; 77(6):3635–9

Acetylcholine-induced cation translocation across cell membranes and inactivation of the acetylcholine receptor: chemical kinetic measurements in the millisecond time region. Cash DJ, et al. **Proc Natl Acad Sci USA** 1981 Jun; 78(6):3318–22

[3H]Phencyclidine: a probe for the ionic channel of the nicotinic receptor. Eldefrawi ME, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7458–62

An attempt to distinguish between the actions of neuromuscular blocking drugs on the acetylcholine receptor and on its associated ionic channel. Lambert JJ, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):5003–7

Intracellular calcium and desensitization of acetylcholine receptors. Miledi R. **Proc R Soc Lond [Biol]** 1980 Sep 26; 209(1176):447–52

Chronic phencyclidine induced changes in rat central cholinergic receptor regulation. Ward DP, et al. **Proc West Pharmacol Soc** 1981;24:3–4

Muscarinic supersensitivity: a possible model for the sleep disturbance of primary depression? Gillin JC, et al. **Psychiatry Res** 1979 Jul;1(1):17–22

Scopolamine-induced muscarinic supersensitivity in normal man: changes in sleep. Sitaram N, et al. **Psychiatry Res** 1979 Jul;1(1):9–16

Failure of muscarinic blockade to antagonize analepsis induced by thyrotropin-releasing hormone and MK-771 in the rat. Santori EM, et al. **Psychopharmacology (Berlin)** 1981;74(1):13–6

Alterations of muscarinic synaptic activity by anionic liposomes. Ritter C, et al. **Res Commun Chem Pathol Pharmacol** 1981 Jul;33(1):69–79

[Alkylation of ganglionic cholinergic receptors with haloalkyl amines] Blazsó G, et al. **Acta Pharm Hung** 1980 May;50(3):137–44 (Eng. Abstr.) **(Hun)**

[In-vitro evaluation of morphine dependence. III. Response of the rat ileum to ACh] Eandi M, et al. **Boll Soc Ital Biol Sper** 1979 Sep 15;55(17):1687-92 (Eng. Abstr.) **(Ita)**

[In-vitro evaluation of morphine dependence. I. Response of the rat 'fundus' to ACh] Eandi M, et al. **Boll Soc Ital Biol Sper** 1979 Sep 15;55(17):1673-9 (Eng. Abstr.) **(Ita)**

[In-vitro evaluation of morphine dependence. II. Response of the fat 'fundus' to 5-HT] Eandi M, et al. **Boll Soc Ital Biol Sper** 1979 Sep 15;55(17):1680-6 (Eng. Abstr.) **(Ita)**

[Cholinergic antagonism by beta-blockers. II. Sequence of interactions and final steady state effects] Re L, et al. **Boll Soc Ital Biol Sper** 1980 May 15;56(9):899-904 (Eng. Abstr.) **(Ita)**

[Cholinergic antagonism by beta-blockers. I. Spectrum of interactions] Re L, et al. **Boll Soc Ital Biol Sper** 1980 May 15;56(9):892-8 (Eng. Abstr.) **(Ita)**

[Effect of stimulation and blockade of muscarinic receptors on L-arginine-stimulated glucagon secretion in healthy persons and patients with insulin-independent diabetes] Lawecki J, et al. **Pol Arch Med Wewn** 1980 Sep; 64(3):257-65 (Eng. Abstr.) **(Pol)**

[Effect of adrenergic alpha and beta receptor blockaders and the stimulation and blockade of muscarinic receptors in insulinemia and glycemia in healthy persons and patients with diabetes] Stryjek-Kamińska D. **Pol Arch Med Wewn** 1980 Sep;64(3):277-88 (Eng. Abstr.) **(Pol)**

[Intraorganic blood vessels of the gastrointestinal tract under hypergravitation and blockade of the body M-cholinoreactive systems] Kuklina OI. **Arkh Anat Gistol Embriol** 1980 Jul;79(7):58-64 (Eng. Abstr.) **(Rus)**

[Regulation of the functioning of molluscan neuron cholinoreceptors by succinate and noradrenaline] Andreev AA, et al. **Dokl Akad Nauk SSSR** 1981;258(6):1466-9 **(Rus)**

[Molecular rigidity of ammonium compounds as a necessary condition for selective action on skeletal muscle cholinoreceptors] Danilov AF, et al. **Dokl Akad Nauk SSSR** 1981;258(5):1238-42 **(Rus)**

[Theoretical and practical aspects of the pharmacology of cholinergic processes] Denisenko PP. **Farmakol Toksikol** 1980 Sep-Oct;43(5):523-30 **(Rus)**

[Principles of the interaction of curare-like agents with skeletal muscle cholinoreceptors] Kharkevich DA, et al. **Farmakol Toksikol** 1980 Jul-Aug;43(4):325-34 (Eng. Abstr.) **(Rus)**

[Possibility of substance selective action on the m-cholinoreceptors of a specific site] Kharkevich DA, et al. **Farmakol Toksikol** 1980 Nov-Dec;43(6):645-52 (Eng. Abstr.) **(Rus)**

[Ionic mechanisms of the rapid (nicotinic) phase of the acetylcholine response of identified Planorbis neurons] Ger BA, et al. **Neirofiziologiia** 1980;12(5):533-40 (Eng. Abstr.) **(Rus)**

GENETICS

Acetylcholine receptor synthesis from membrane polysomes. Merlie JP, et al. **J Biol Chem** 1981 Jul 10;256(13):6995-9

Genetic control of experimental autoimmune myasthenia gravis in mice. II. Lymphocyte proliferative response to acetylcholine receptor is dependent on Lyt-1+23- cells. Christadoss P, et al. **J Immunol** 1981 Apr;126(4):1646-7

Active multi-subunit ACh receptor assembled by translation of heterologous mRNA in Xenopus oocytes. Sumikawa K, et al. **Nature** 1981 Aug 27;292(5826):862-4

IMMUNOLOGY

Antiacetylcholine receptor antibody in neonatal myasthenia gravis. Donaldson JO, et al. **Am J Dis Child** 1981 Mar; 135(3):222-6

Myasthenia induced by monoclonal anti-acetylcholine receptor antibodies: clinical and electrophysiological aspects. Burres SA, et al. **Ann Neurol** 1981 Jun;9(6):563-8

Acetylcholine receptor antibodies in absence of neonatal myasthenia gravis [letter] Gutmann L, et al. **Arch Neurol** 1980 Nov;37(11):738

Immunochemical properties of junctional and extrajunctional acetylcholine receptor. Dwyer DS, et al. **Brain Res** 1981 Jul 27;217(1):23-40

Specificities of antibody to acetylcholine receptor in rabbits

with experimental myasthenia gravis. Ueno S, et al. **Clin Exp Immunol** 1980 Jul;41(1):13–8

Acetylcholine receptor in rabbit thymus: antigenic similarity between acetylcholine receptors of muscle and thymus. Ueno S, et al. **Clin Exp Immunol** 1980 Dec;42(3):463–9

Absence of anti-acetylcholine receptor antibodies in Praomys (Mastomys) natalensis. Vincent A, et al. **Clin Exp Immunol** 1981 Jan;43(1):94–8

The developmental change in immunological properties of the acetylcholine receptor in rat muscle. Reiness CG, et al. **Dev Biol** 1981 Jan 30;81(2):324–31

Reversion of anti-acetylcholine receptor-site antibodies to negative following thymectomy [letter] Levin S, et al. **Dev Med Child Neurol** 1981 Feb;23(1):101–2

Interrelationship of concanavalin-A-binding and antigenic sites on the acetylcholine receptor from Torpedo marmorata. Wonnacott S, et al. **Eur J Biochem** 1980 Jul; 108(2):621–9

A new mechanism revealed for the action of antibodies on acetylcholine receptor function. Desouki A, et al. **Exp Neurol** 1981 Aug;73(2):440–50

Monoclonal antibodies directed against the neurotransmitter binding site of nicotinic acetylcholine receptor. James RW, et al. **FEBS Lett** 1980 Oct 20;120(1):145–8

Myasthenia gravis, the acetylcholine receptor and the immune response. Barkas T. **Int J Immunopharmacol** 1979; 1(4):263–71

Acetylcholine receptor antibody synthesis in lymphocyte cultures. McLachlan SM, et al. **J Clin Lab Immunol** 1981 May;5(3):137–42

Linkage between the frequency of muscular weakness and loci that regulate immune responsiveness in murine experimental myasthenia gravis. Berman PW, et al. **J Exp Med** 1980 Sep 1;152(3):507–20

Autoimmune rat T lymphocytes monospecific for acetylcholine receptors: purification and fine specificity. Hohlfeld R, et al. **J Immunol** 1981 Apr;126(4):1355–9

Myasthenia gravis, thymectomy, and antiacetycholine receptor antibody. Bartoccioni E, et al. **J Neurol** 1980; 224(1):9–15

Anti-acetylcholine receptor antibody titres in the sera of myasthenia patients treated with plasma exchange combined with immunosuppressive therapy. Carter B, et al. **J Neurol Neurosurg Psychiatry** 1980 May;43(5):397–402

A form of acute experimental autoimmune myasthenia gravis in mice occurring in absence of detectable circulating anti-acetylcholine receptor antibodies. Acute experimental myasthenia in mice. Granato D, et al. **J Neurol Sci** 1980 Sep;47(3):379–83

Intercostal muscle acetylcholine receptors in longstanding ocular myasthenia [letter] Lecky BR, et al. **Lancet** 1980 Dec 13;2(8207):1311–2

Anti-acetycholine receptor antibodies in penicillamine treated patients without myasthenia gravis [letter] Martin VM, et al. **Lancet** 1980 Sep 27;2(8196):705

Plasmapheresis therapy in myasthenia gravis. Dau PC. **Muscle Nerve** 1980 Nov-Dec;3(6):468–82

Cross-reactivity of anti-acetylcholine receptor autoantibodies. Garlepp MJ, et al. **Muscle Nerve** 1981 Jul-Aug;4(4):282–8

Multiple forms of anti-acetylcholine receptor antibody in myasthenia gravis. Mittag T, et al. **Muscle Nerve** 1981 Jan-Feb;4(1):16–25

Thymic lymphocytes bear a surface antigen which cross-reacts with acetylcholine receptor. Fuchs S, et al. **Nature** 1980 Sep 11;287(5778):162–4

Monoclonal anti-acetylcholine receptor antibodies can cause experimental myasthenia. Richman DP, et al. **Nature** 1980 Aug 14;286(5774):738–9

Idiotype restriction in myasthenia gravis antibodies [news] Vincent A. **Nature** 1981 Mar 26;290(5804):293–4

Myasthenia gravis: relation between jitter in single-fiber EMG and antibody to acetylcholine receptor. Konishi T, et al. **Neurology (NY)** 1981 Apr;31(4):386–92

Myasthenia gravis: passive transfer to mice of antibody to human and mouse acetylcholine receptor. Oda K, et al. **Neurology (NY)** 1981 Mar;31(3):282–7

Acetylcholine receptor antibodies in infants of mothers with myasthenia gravis. Ohta M, et al. **Neurology (NY)** 1981 Aug;31(8):1019–22

No direct correlation between serum antiacetylcholine receptor antibody levels and clinical state of individual patients with myasthenia gravis. Roses AD, et al. **Neurology (NY)** 1981 Feb;31(2):220–4

Acetylcholine receptor antibody synthesis by thymic lymphocytes: correlation with thymic histology. Scadding GK, et al. **Neurology (NY)** 1981 Aug;31(8):935–43

Antiacetylcholine receptor antibody and its relationship to HLA type in asymptomatic siblings of a patient with myasthenia gravis. Seybold ME, et al. **Neurology (NY)** 1981 Jun;31(6):778–80

Antibodies from myasthenic patients that compete with cholinergic agents for binding to nicotinic receptors. Fulpius BW, et al. **Proc Natl Acad Sci USA** 1980 Jul; 77(7):4326–30

Significance of acetylcholine receptor antibody in the diagnosis and therapy monitoring of myasthenia gravis. Heininger K, et al. **Ric Clin Lab** 1980 Jan-Mar;10(1):255–8

Myasthenia gravis under monoclonal scrutiny [news] Lewin R. **Science** 1981 Jan 2;211(4477):38–40, 42

Humoral immunity in myasthenia gravis: immunoglobulin class, affinity, and antigenic site. Tindall RS. **Trans Am Neurol Assoc** 1979;104:16–8

[Determination of anti-acetylcholine receptor antibodies in myasthenia and its treatment by plasma exchange and immunosuppressants] Goulon M, et al. **C R Soc Biol (Paris)** 1980;174(4):467–78 (Eng. Abstr.) **(Fre)**

[Myasthenia gravis. Prototype of an anti-receptor autoaggression disease (author's transl)] Hohlfeld R, et al. **MMW** 1981 Jul 31;123(31):1207–11 (Eng. Abstr.) **(Ger)**

[Anti-acetylcholine receptor antibodies and myasthenia gravis (author's transl)] Nishitani H. **Nippon Naika Gakkai Zasshi** 1980 Dec;69(12):1578–83 **(Jpn)**

[Pathogenesis and pathophysiology of myasthenia gravis--role of anti-acetylcholine receptor antibody (author's transl)] Nishitani H, et al. **No To Shinkei** 1980 Sep;32(9):879–90 **(Jpn)**

ISOLATION & PURIFICATION

Solubilization of muscarinic acetylcholine receptors from mammalian brain: an analytical approach. Gorissen H, et al. **Anal Biochem** 1981 Feb;111(1):33–4

Enzymatic carboxymethylation of the nicotinic acetylcholine receptor. Kloog Y, et al. **Biochem Biophys Res Commun** 1980 Dec 31;97(4):1474–80

Characterization of acetylcholine receptor isolated from Torpedo californica electroplax through the use of an easily removable detergent, beta-D-octylglucopyranoside. Gonzalez-Ros JM, et al. **Biochim Biophys Acta** 1981 May 6;643(2):407–20

Reconstitution of a functional acetylcholine receptor. Polypeptide chains, ultrastructure, and binding sites for acetylcholine and local anesthetics. Sobel A, et al. **Eur J Biochem** 1980 Sep;110(1):13–33

The isolation and characterisation of the nicotinic acetylcholine receptor from human skeletal muscle. Stephenson FA, et al. **Eur J Biochem** 1981 Mar 16; 115(1):91–7

Light and heavy forms of the acetylcholine receptor from Torpedo marmorata electric organ: morphological identification using reconstituted vesicles. Cartaud J, et al. **FEBS Lett** 1980 Dec 1;121(2):327–32

Purification of acetylcholine receptors, reconstitution into lipid vesicles, and study of agonist-induced cation channel regulation. Lindstrom J, et al. **J Biol Chem** 1980 Sep 10; 255(17):8340–50

Subunit structure of alpha-bungarotoxin binding component in mouse brain. Seto A, et al. **J Neurochem** 1981 Jul; 37(1):210–6

METABOLISM

Studies of muscarinic and nicotinic binding sites in brain. Nordberg A, et al. **Acta Physiol Scand [Suppl]** 1980; (479):19–23

Correlation between cholinergic histamine release and quinuclidinyl-benzilate ([3H]-QNB) binding in mast cell membranes. Masini E, et al. **Agents Actions** 1981 Apr; 11(1-2):55–9

Isolated parietal cells: [3H]QNB binding to putative cholinergic receptors. Ecknauer R, et al. **Am J Physiol** 1980 Sep;239(3):G204–9

Quenched flow technique with plasma membrane vesicles: acetylcholine receptor-mediated transmembrane ion flux. Cash DJ, et al. **Anal Biochem** 1981 Mar 15;112(1):39–51

Calculation of binding isotherms when ligand and receptor are in different volumes of distribution. Selikson M, et al. **Anal Biochem** 1980 Oct;108(1):64–71

Coupling between the nicotinic acetylcholine receptor site and the ionic channel site. Eldefrawi ME, et al. **Ann NY Acad Sci** 1980;358:239–52

Agonists of Torpedo nicotinic receptors: essential role of a positive charge. Jeng AY, et al. **Ann NY Acad Sci** 1980; 358:370–3

A modification of alpha-bungarotoxin amino group residues with retention of binding properties to isolated and membrane-bound acetylcholine receptor. Calvo-Fernandez P, et al. **Arch Biochem Biophys** 1981 Apr 15;208(1):154–9

Persistent effects of high concentrations of chlorpromazine on 3H-propylbenzilylcholine mustard binding to muscarinic receptors in guinea-pig intestinal muscle strips. Haigh E, et al. **Arch Int Pharmacodyn Ther** 1980 Sep; 247(1):21–30

Muscarinic receptor: multiple sites or unitary concept? Laduron PM, et al. **Arch Int Pharmacodyn Ther** 1981 Feb; 249(2):319–21

Acetylcholine receptor concentration in the mimic musculature of the rat following denervation and reinnervation. Arglebe C, et al. **Arch Otorhinolaryngol** 1981;232(1):21–7

Inhibition of [3H]dexetimide binding by a homologous series of methylfurthrethonium analogues at the peripheral muscarinic receptor. Beld AJ, et al. **Biochem Biophys Res Commun** 1980 Nov 28;97(2):430–6

Acetylcholine-induced receptor-controlled ion flux investigated by flow quench techniques. Cash DJ, et al. **Biochem Biophys Res Commun** 1980 Aug 14;95(3):1010–6

Cholinergic muscarinic receptors in bovine adrenal cortex. Hadjian AJ, et al. **Biochem Biophys Res Commun** 1981 Feb 27;98(4):892–900

Interaction of a fluorescent agonist with the membrane-bound acetylcholine receptor from Torpedo marmorata in the millisecond time range: resolution of an 'intermediate' conformational transition and evidence for positive cooperative effects. Heidmann T, et al. **Biochem Biophys Res Commun** 1980 Dec 16;97(3):889–96

Lack of adenylate and guanylate cyclases responsiveness to hormones in a spontaneous murine thyroid tumor. Piot JM, et al. **Biochem Biophys Res Commun** 1980 Jul 16; 95(1):357–66

Acetylcholine receptor inactivation in Torpedo californica electroplax membrane vesicles. Detection of two processes in the millisecond and second time regions. Walker JW, et al. **Biochem Biophys Res Commun** 1981 May 15; 100(1):86–90

Functional properties of acetylcholine receptor monomeric and dimeric forms in reconstituted membranes. Wu WC, et al. **Biochem Biophys Res Commun** 1981 Mar 31; 99(2):436–44

Interaction of imipramine with the ionic channel of the acetylcholine receptor of motor endplate and electric organ. Eldefrawi ME, et al. **Biochem Pharmacol** 1981 Jun 1;30(11):1391–4

Desensitization of ionophore A23187 responses by muscarinic receptor stimulation in intestinal smooth muscle. Jim KF, et al. **Biochem Pharmacol** 1981 Jan 1;30(1):95–6

Comparison of beta-adrenergic receptors and the adenylate cyclase system with muscarinic receptors and guanylate cyclase activities in the heart of spontaneously hypertensive rats. Robberecht P, et al. **Biochem Pharmacol** 1981 Feb 15;30(4):385–7

[3H]Quinuclidinyl benzilate binding to muscarinic receptors and [3H]WB-4101 binding to alpha-adrenergic receptors in rabbit iris. Comparison of results in slices and microsomal fractions. Taft WC Jr, et al. **Biochem Pharmacol** 1980 Oct 15;29(20):2713–20

Interrelationship of the antigenic and toxin-binding sites of the acetylcholine receptor of chick cultured muscle cells. Bird M, et al. **Biochem Soc Trans** 1980 Dec;8(6):741

The acetylcholine receptor protein and myasthenia gravis. Lunt GG, et al. **Biochem Soc Trans** 1980 Dec;8(6):693–4

The characterization of a solubilized alpha-bungarotoxin-binding component from Musca domestica. March CS, et al. **Biochem Soc Trans** 1980 Dec; 8(6):742–3

Mechanism of inactivation (desensitization) of acetylcholine receptor. Investigations by fast reaction techniques with membrane vesicles. Aoshima H, et al. **Biochemistry** 1981 Jun 9;20(12):3467–74

Kinetics of binding of [3H]acetylcholine to Torpedo postsynaptic membranes: association and dissociation rate constants by rapid mixing and ultrafiltration. Boyd ND, et al. **Biochemistry** 1980 Nov 11;19(23):5353–8

Kinetics of binding of [3H]acetylcholine and [3H]carbamoylcholine to Torpedo postsynaptic membranes: slow conformational transitions of the cholinergic receptor. Boyd ND, et al. **Biochemistry** 1980 Nov 11;19(23):5344–53

Monoclonal antibodies as probes of acetylcholine receptor structure. 2. Binding to native receptor. Conti-Tronconi B, et al. **Biochemistry** 1981 Apr 14;20(8):2181–91

Effects of agonists and antagonists on the reactivity of the binding site disulfide in acetylcholine receptor from Torpedo californica. Damle VN, et al. **Biochemistry** 1980 Aug 19;19(17):3924–32

Kinetics of carbamylcholine binding to membrane-bound acetylcholine receptor monitored by fluorescence changes of a covalently bound probe. Dunn SM, et al. **Biochemistry** 1980 Nov 25;19(24):5645–52

Ligand interactions with membrane-bound porcine atrial muscarinic receptor(s). Schimerlik MI, et al. **Biochemistry** 1980 Jul 22;19(15):3407–13

Effects of thio-group modifications on the ion permeability control and ligand binding properties of Torpedo californica acetylcholine receptor. Walker JW, et al. **Biochemistry** 1981 Apr 14;20(8):2191–9

Dissection of the 66 000-dalton subunit of the acetylcholine receptor. Wennogle LP, et al. **Biochemistry** 1981 Apr 28; 20(9):2492–7

Reconstitution of acetylcholine receptor function using purified receptor protein. Wu WC, et al. **Biochemistry** 1981 Feb 17;20(4):694–701

Membrane-bound protein kinase activity in acetylcholine receptor-enriched membranes. Gordon AS, et al. **Biochim Biophys Acta** 1980 Aug 4;600(2):421–31

Acetylcholine receptors of rat lymphocytes. Maśliński W, et al. **Biochim Biophys Acta** 1980 Dec 1;633(2):269–73

Electrophoresis and diffusion in the plane of the cell membrane. Poo M, et al. **Biophys J** 1979 Apr;26(1):1–21

The size of the hydroxyl group and its contribution to the affinity of atropine for muscarine-sensitive acetylcholine receptors. Barlow RB, et al. **Br J Pharmacol** 1980; 71(1):31–4

A comparison of stereospecificity at central and peripheral 'muscarine-sensitive' acetylcholine receptors: observations with the enantiomeric forms of procyclidine and tricyclamol. Barlow RB, et al. **Br J Pharmacol** 1981 Feb; 72(2):277–80

The interaction of trazodone with rat brain muscarinic cholinoceptors. Hyslop DK, et al. **Br J Pharmacol** 1980; 71(2):359–61

Sexual dimorphism in alpha-bungarotoxin binding capacity in the mouse amygdala. Arimatsu Y, et al. **Brain Res** 1981

Jun 1;213(2):432–7
Characterization and partial purification of a neuronal factor which increases acetylcholine receptor aggregation on cultured muscle cells. Bauer HC, et al. **Brain Res** 1981 Mar 30;209(2):395–404
Properties and regional distribution of nicotinic cholinergic receptors in the rat hypothalamus. Block GA, et al. **Brain Res** 1981 May 11;212(1):152–8
Biochemical evidence of decreased muscarinic cholinergic neuronal communication following amygdala-kindled seizures. Dasheiff RM, et al. **Brain Res** 1981 Feb 9; 206(1):233–8
Postmortem stability of alpha-bungarotoxin binding sites in mouse and human brain. Davies P, et al. **Brain Res** 1981 Jul 20;216(2):449–54
Opiate and muscarinic ligand binding in five limbic areas after bilateral olfactory bulbectomy. Hirsch JD. **Brain Res** 1980 Oct 6;198(2):271–83
Muscarinic receptor binding following cholinergic nerve lesions of the cingulate cortex and hippocampus of the rat. Kamiya HO, et al. **Brain Res** 1981 Mar 30;209(2):432–9
Muscarinic cholinergic receptor localization in brain by electron microscopic autoradiography. Kuhar MJ, et al. **Brain Res** 1981 Jul 6;216(1):1–9
Developments of alpha-bungarotoxin receptors in cultured chick ciliary ganglion neurons. Messing A, et al. **Brain Res** 1981 Mar 16;208(2):479–86
8-Br-cyclic GMP mimics activation of muscarinic autoreceptor and inhibits acetylcholine release from rat hippocampal slices. Nordström O, et al. **Brain Res** 1981 Jun 1;213(2):467–71
A transient increase in junctional acetylcholine receptors after denervation. Olek A, et al. **Brain Res** 1981 Jun 15; 214(2):429–32
Maintenance and dissolution of acetylcholine receptor clusters in the embryonic muscle cell membrane. Orida N, et al. **Brain Res** 1981 Apr;227(2):293–8
Effects of thyroid state on brain development: muscarinic acetylcholine and GABA receptors. Patel AJ, et al. **Brain Res** 1980 Oct 6;198(2):389–402
Muscarinic cholinergic receptors: autoradiographic localization of high and low affinity agonist binding sites. Wamsley JK, et al. **Brain Res** 1980 Oct 27;200(1):1–12
Biochemical characterization of solubilized muscarinic acetylcholine receptors. Repke H, et al. **Brain Res Bull** 1980 Nov-Dec;5(6):703–9
Neurochemical identification of cholinergic forebrain projection sites of the nucleus tegmentalis dorsalis lateralis. Rotter A, et al. **Brain Res Bull** 1981 Jun;6(6):525–9
Secretion of acetylcholinesterase: relation to acetylcholine receptor metabolism. Rotundo RL, et al. **Cell** 1980 Nov; 22(2 Pt 2):595–602
The acetylcholine induced membrane current fluctuations are characteristic of the receptor-ionophore population involved. Chad JE, et al. **Comp Biochem Physiol [C]** 1981; 68C(1):35–42
Ultrastructural characterization of surface specializations containing high-density acetylcholine receptors on embryonic chick myotubes in vivo and in vitro. Burrage TG, et al. **Dev Biol** 1981 Jul 30;85(2):267–86
Changes in synaptic potential properties during acetylcholine receptor accumulation and neurospecific interactions in Xenopus nerve-muscle cell culture. Kidokoro Y, et al. **Dev Biol** 1980 Aug;78(2):464–83
Receptor stability and channel conversion in the subsynaptic membrane of the developing mammalian neuromuscular junction. Michler A, et al. **Dev Biol** 1980 Nov;80(1):1–17
Membrane properties of cultured rat sympathetic neurons: morphological studies of adrenergic and cholinergic differentiation. Schwab M, et al. **Dev Biol** 1981 May; 84(1):67–78
Development of muscarinic receptor binding in spinal cord cell cultures and its reduction by glutamic and kainic acids. Brookes N, et al. **Dev Neurosci** 1980;3(3):118–27
Functional equivalence of monomeric and dimeric forms of purified acetylcholine receptors from Torpedo californica in reconstituted lipid vesicles. Anholt R, et al. **Eur J Biochem** 1980 Aug;109(2):481–7
Characterization of the alpha-bungarotoxin receptor in chick-embryo retina. Betz H. **Eur J Biochem** 1981 Jun; 117(1):131–9
Reconstitution of a functional acetylcholine receptor. Conservation of the conformational and allosteric transitions and recovery of the permeability response; role of lipids. Heidmann T, et al. **Eur J Biochem** 1980 Sep; 110(1):35–55
Molecular forms of the acetylcholine receptor from vertebrate muscles and Torpedo electric organ. Interactions with specific ligands. Lo MM, et al. **Eur J Biochem** 1981 May;116(1):155–63
Acetylcholine receptor from mammalian skeletal muscle. Oligomeric forms and their subunit structures. Shorr RG, et al. **Eur J Biochem** 1981 May;116(1):143–53
Stoichiometry of the ligand-binding sites in the acetylcholine-receptor oligomer from muscle and from electric organ. Measurement by affinity alkylation with bromoacetylcholine. Wolosin JM, et al. **Eur J Biochem** 1980 Aug;109(2):495–505
Inhibition by local anesthetics, phentolamine and propranolol of [3H]quinuclydinyl benzylate binding to central muscarinic receptors. Aguilar JS, et al. **Eur J Pharmacol** 1980 Dec 5;68(3):317–26
Increased muscarinic receptor binding in rat forebrain after scopolamine. Majocha R, et al. **Eur J Pharmacol** 1980 Oct 17;67(2-3):327–8
Differential regulation of muscarinic agonist binding sites following chronic cholinesterase inhibition. Smit MH, et al. **Eur J Pharmacol** 1980 Sep 5;66(4):379–80
Properties and distribution of muscarinic cholinergic receptors in rat striatal micropunched tissue homogenates. Takano Y, et al. **Eur J Pharmacol** 1981 Apr 9;70(4):559–64
Imprinting. A study of cholinergic receptor sites in parts of the chick brain. Bradley P, et al. **Exp Brain Res** 1981; 41(2):121–3
On the developmental regulation of acetylcholine receptor mobility in the Xenopus embryonic muscle membrane. Orida N, et al. **Exp Cell Res** 1980 Dec;130(2):281–90
Effects of noradrenaline depletion on adrenergic and muscarinic cholinergic receptors in the cerebral cortex, hippocampus, and cerebellum. Sharma VK, et al. **Exp Neurol** 1981 Apr;72(1):179–94
Denervation accelerates the degradation of junctional acetylcholine receptors. Stanley EF, et al. **Exp Neurol** 1981 Aug;73(2):390–6
The loss of muscarinic acetylcholine receptors in synaptic membranes under phosphorylating conditions is dependent on calmodulin. Burgoyne RD. **FEBS Lett** 1981 May 5; 127(1):144–8
Ligand-binding properties of a muscarinic acetylcholine receptor from Torpedo electric organ. Strange PG, et al. **FEBS Lett** 1980 Dec 29;122(2):293–6
Modification of acetylcholine receptor: chemical and immunological characterization of polyalanyl acetylcholine receptor. Tarrab-Hazdai R, et al. **FEBS Lett** 1980 Aug 25;118(1):35–8
Muscarinic receptors in the human pyloric sphincter: comparison with other species. Gaginella TS, et al. **Gen Pharmacol** 1981;12(2):93–6
Muscarinic acetylcholine receptor in chick limb bud during morphogeneis. Schmidt H. **Histochemistry** 1981;71(1):89–98
Hypoxia-induced changes in parasympathetic neurochemical markers in guinea pig heart. Crockatt LH, et al. **J Appl Physiol** 1981 May;50(5):1017–21
Stabilization of acetylcholine receptor channels by lipids in cholate solution and during reconstitution in vesicles. Anholt R, et al. **J Biol Chem** 1981 May 10;256(9):4377–87
Regulation of [3H]perhydrohistrionicotoxin binding to Torpedo ocellata electroplax by effectors of the acetylcholine receptor. Aronstam RS, et al. **J Biol Chem** 1981 Mar 25;256(6):2843–50
Agonist and guanine nucleotide modulation of muscarinic cholinergic receptors in cultured heart cells. Galper JB, et al. **J Biol Chem** 1980 Oct 25;255(20):9571–9
Restoration of 125I-alpha-bungarotoxin binding activity to the alpha subunit of Torpedo acetylcholine receptor isolated by gel electrophoresis in sodium dodecyl sulfate. Haggerty JG, et al. **J Biol Chem** 1981 Aug 25; 256(16):8294–7
In vivo regulation of muscarinic acetylcholine receptor number and function in embryonic chick heart. Halvorsen SW, et al. **J Biol Chem** 1981 Aug 10;256(15):7941–8
Quantitative and qualitative differences in muscarinic cholinergic receptors in embryonic and newborn chick hearts. Hosey MM, et al. **J Biol Chem** 1981 Jun 25; 256(12):6395–9
Affinity partitioning of membranes. Evidence for discrete membrane domains containing cholinergic receptor. Johansson G, et al. **J Biol Chem** 1981 Sep 10; 256(17):9126–35
Acetylcholine receptor subunits transit a precursor pool before acquiring alpha-bungarotoxin binding activity. Merlie JP, et al. **J Biol Chem** 1981 Apr 25;256(8):3605–8
The relationship between agonist occupation and the permeability response of the cholinergic receptor revealed by bound cobra alpha-toxin. Sine SM, et al. **J Biol Chem** 1980 Nov 10;255(21):10144–56
Relationship between reversible antagonist occupancy and the functional capacity of the acetylcholine receptor. Sine SM, et al. **J Biol Chem** 1981 Jul 10;256(13):6692–9
Primary structure and binding properties of iodinated derivatives of alpha-bungarotoxin. Wang GK, et al. **J Biol Chem** 1980 Dec 10;255(23):11156–62
Density and distribution of alpha-bungarotoxin-binding sites in postsynaptic structures of regenerated rat skeletal muscle. Bader D. **J Cell Biol** 1981 Feb;88(2):338–45
Distribution of muscarinic acetylcholine receptors and presynaptic nerve terminals in amphibian heart. Hartzell HC. **J Cell Biol** 1980 Jul;86(1):6–20
Topographical segregation of old and new acetylcholine receptors at developing ectopic endplates in adult rat muscle. Weinberg CB, et al. **J Cell Biol** 1981 Jan; 88(1):215–8
Comparison of the control and pathways for degradation of the acetylcholine receptor and average protein in cultured muscle cells. Libby P, et al. **J Cell Physiol** 1981 May; 107(2):185–94
An atlas of alpha-bungarotoxin binding sites and structures containing acetylcholinesterase in the mouse central nervous system. Arimatsu Y, et al. **J Comp Neurol** 1981 Jun 1;198(4):603–31
Inactivation (desensitization) of the acetylcholine receptor in Electrophorus electricus membrane vesicles by carbamylcholine: comparison between ion flux and alpha-bungarotoxin binding. Epstein N, et al. **J Membr Biol** 1980 Sep 30;56(2):133–7
Regulation of muscarinic receptor-mediated cyclic GMP synthesis by cultured mouse neuroblastoma cells. El-Fakahany E, et al. **J Neurochem** 1980 Oct;35(4):941–8
Muscarinic receptors in chromaffin cell cultures mediate enhanced phospholipid labeling but not catecholamine secretion. Fisher SK, et al. **J Neurochem** 1981 Aug; 37(2):491–7
Quinuclidinyl benzilate binding in house fly heads and rat brain. Jones SW, et al. **J Neurochem** 1981 Feb;36(2):454–9
Alpha-bungarotoxin binding in house fly heads and Torpedo electroplax. Jones SW, et al. **J Neurochem** 1981 Feb; 36(2):447–53
On the specificity of 125-I-alpha-bungarotoxin binding to axonal membranes. Jumblatt JE, et al. **J Neurochem** 1981 Aug;37(2):392–400
Characterization and subcellular localization of brain muscarinic receptors labelled in vivo by [3H]dexetimide. Laduron PM, et al. **J Neurochem** 1979 Dec;33(6):1223–31
Agonist-induced affinity alterations of a central nervous system alpha-bungarotoxin receptor. Lukas RJ, et al. **J Neurochem** 1979 Dec;33(6):1151–7
Acetylcholine receptors in cultured human muscle cells. Franklin GI, et al. **J Neurol Sci** 1980 Sep;47(3):317–27
Autoradiographic localization of muscarinic cholinergic receptors in rat brainstem. Wamsley JK, et al. **J Neurosci** 1981 Feb;1(2):176–91
On some principles of interaction of curare-like agents with acetylcholine receptors of skeletal muscles. Kharkevich DA, et al. **J Pharm Pharmacol** 1980 Nov;32(11):733–9 (17 ref.)
Interactions of neuroleptic metabolites with dopaminergic, alpha adrenergic and muscarinic cholinergic receptors. Bylund DB. **J Pharmacol Exp Ther** 1981 Apr;217(1):81–6
Concanavalin-A binding to acetylcholine receptors: identification of two forms of receptor in denervated rat muscle. Mittag TW, et al. **J Pharmacol Exp Ther** 1981 Jul; 218(1):27–33
Evidence for muscarinic receptors on rat colonic epithelial cells: binding of [3H]quinuclidinyl benzilate. Rimele TJ, et al. **J Pharmacol Exp Ther** 1981 Aug;218(2):426–34
Inhibition of alpha-bungarotoxin binding to acetylcholine receptors by antisera from animals with experimental autoimmune myasthenia gravis. Claudio T, et al. **J Supramol Struct** 1980;14(3):267–79
Regulation of muscarinic receptor binding by guanine nucleotides and N-ethylmaleimide. Ehlert FJ, et al. **J Supramol Struct** 1980;14(2):149–62
Reversible phosphorylation of the membrane-bound acetylcholine receptor. Gordon AS, et al. **J Supramol Struct** 1980;14(2):163–74
Endogenous and exogenous proteolysis of the acetylcholine receptor from Torpedo californica. Huganir RL, et al. **J Supramol Struct** 1980;14(1):13–9
Central neurotransmitter receptors in hypertensive rats. Cantor EH, et al. **Life Sci** 1981 Feb 2;28(5):519–26
Striatal muscarinic receptors: regulation by dopaminergic agonists. Ehlert FJ, et al. **Life Sci** 1981 May 21; 28(21):2441–8
An enhanced sensitivity of muscarinic cholinergic receptor associated with dopaminergic receptor subsensitivity after chronic antidepressant treatment. Koide T, et al. **Life Sci** 1981 Mar 9;28(10):1139–45
Effect of long-term L-dopa administration on the dopaminergic and cholinergic (muscarinic) receptors of striatum in 6-hydroxydopamine lesioned rats. Suga M. **Life Sci** 1980 Sep 8;27(10):877–82
The identification of an invertebrate acetylcholine receptor. Thomas WE, et al. **Life Sci** 1981 Mar 2;28(9):965–71 (42 ref.)
Interrelationship of carbohydrate and the alpha-toxin binding site on the acetylcholine receptor from Torpedo marmorata. Wonnacott S, et al. **Life Sci** 1980 Nov 10; 27(19):1769–75
Muscarinic cholinergic binding sites on intact human lymphocytes. Zalcman SJ, et al. **Life Sci** 1981 Jul 6; 29(1):69–73
An hypothesis concerning the molecular structure of the nicotinic acetylcholine receptor. Smythies JR. **Med Hypotheses** 1980 Sep;6(9):943–50
Further characterization of human red blood cell membrane cholinergic receptors. Mantione CR, et al. **Mol Pharmacol** 1980 Jul;18(1):28–32
Ion exchange between agonists and inorganic ions at the acetylcholine receptor of Torpedo californica. Spivak CE, et al. **Mol Pharmacol** 1980 Nov;18(3):413–20
Does rigidity in structure of muscarinic agonists and antagonists reflect drug specificity? Fisher A, et al. **Monogr Neural Sci** 1980;7:41–54
Biochemical characterization of muscarinic receptors. Sokolovsky M, et al. **Monogr Neural Sci** 1980;7:30–40
Formation of ACh receptor clusters induced by positively charged latex beads. Peng HB, et al. **Nature** 1981 Aug 27; 292(5826):831–4
Requirement for sulfhydryl groups in the differential effects of magnesium ion and GTP on agonist binding of muscarinic cholinergic receptor sites in rat atrial membrane fraction. Wei JW, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Oct; 314(1):51–9
Regional distribution of the muscarinic cholinoceptor and acetylcholinesterase in guinea pig brain. Dawson RM, et

al. **Neurochem Res** 1980 Aug;5(8):809–15

Studies on muscarinic receptors in mouse and rat hypothalamus: a comparison of sex and cyclical differences. Avissar S, et al. **Neuroendocrinology** 1981 May; 32(5):295–302

Biochemical characterization and sex dimorphism of muscarinic receptors in rat adenohypophysis. Avissar S, et al. **Neuroendocrinology** 1981 May;32(5):303–9

Circadian acetylcholine receptor rhythm in rat brain and its modification by imipramine. Kafka MS, et al. **Neuropharmacology** 1981 May;20(5):421–5

Cholinergic muscarinic receptors of bovine adrenal medulla. Kayaalp SO, et al. **Neuropharmacology** 1979 Nov; 18(11):909–11

Hippocampal distribution of acetylcholine, muscarinic receptors and cyclic GMP. Kinnier WJ, et al. **Neuropharmacology** 1980 Nov;19(11):1119–23

Cholinergic actions of false neurotransmitters: acetylpyrrolidinecholine. Buccafusco JJ, et al. **Neurosci Lett** 1981 May 29;23(3):319–24

Alpha-bungarotoxin receptors in the chick ciliary ganglion: behaviour in vivo and in vitro. Gangitano C, et al. **Neuroscience** 1981;6(2):273–9

Alpha-bungarotoxin binding and central nervous system nicotinic acetylcholine receptors. Oswald RE, et al. **Neuroscience** 1981;6(1):1–14 (150 ref.)

Muscarinic cholinergic influences on ACTH and beta-endorphin release mechanisms in human subjects. Risch SC, et al. **Peptides (Fayetteville)** 1981;2 Suppl 1:95–7

Distribution of muscarinic receptors in the digestive tract organs. Morisset J, et al. **Pharmacology** 1981;22(3):189–95

Crosslinkage and visualization of acetylcholine receptors on myotubes with biotinylated alpha-bungarotoxin and fluorescent avidin. Axelrod D. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4823–7

Involvement of calcium channels in short-term desensitization of muscarinic receptor-mediated cyclic GMP formation in mouse neuroblastoma cells. El-Fakahany E, et al. **Proc Natl Acad Sci USA** 1980 Nov; 77(11):6897–901

Specific reaction rate of acetylcholine receptor-controlled ion translocation: a comparison of measurements with membrane vesicles and with muscle cells. Hess GP, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1361–5

Synaptic localization of alpha-bungarotoxin binding which blocks nicotinic transmission at frog sympathetic neurons. Marshall LM. **Proc Natl Acad Sci USA** 1981 Mar; 78(3):1948–52

Carbohydrate requirement for expression and stability of acetylcholine receptor on the surface of embryonic muscle cells in culture. Prives JM, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5263–7

Quantitation of cation transport by reconstituted membrane vesicles containing purified acetylcholine receptor. Wu WC, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):775–9

Quantitative study of motor endplates in muscle fibres dissociated by a simple procedure. Robbins N, et al. **Proc R Soc Lond [Biol]** 1980 Oct 15;209(1177):555–62

Dopaminergic regulation of muscarinic receptor binding in the corpus striatum. Ehlert FJ, et al. **Proc West Pharmacol Soc** 1981;24:93–5

Brain muscarinic cholinergic receptor binding in Roman high- and low-avoidance rats. Overstreet DH, et al. **Psychopharmacology (Berlin)** 1981;72(2):143–5

Pirenzepine--a ligand with original binding properties to muscarinic receptors. Birdsall NJ, et al. **Scand J Gastroenterol [Suppl]** 1980;15(66):1–4

Muscarinic receptors in the stomach. Hammer R. **Scand J Gastroenterol [Suppl]** 1980;15(66):5–11

Neuronal control of acetylcholine receptor turnover rate at a vertebrate neuromuscular junction. Levitt TA, et al. **Science** 1980 Oct 31;210(4469):550–1

Lithium reduces the number of acetylcholine receptors in skeletal muscle. Pestronk A, et al. **Science** 1980 Oct 17; 210(4467):342–3

Stereospecific nicotine receptors on rat brain membranes. Romano C, et al. **Science** 1980 Nov 7;210(4470):647–50

Transmitter sensitivity of neurons assayed by autoradiography. Yoshikami D. **Science** 1981 May 22; 212(4497):929–30

[Preservation of the allosteric properties of the protein receptor for acetylcholine in detergent solution without addition of lipids] Heidmann T, et al. **C R Acad Sci [D] (Paris)** 1981 Jan 5;292(1):13–5 (Eng. Abstr.) **(Fre)**

[Development of some cholinergic components in rat sympathetic ganglion] De Renzis G, et al. **Boll Soc Ital Biol Sper** 1980 Jul 30;56(14):1498–503 (Eng. Abstr.) **(Ita)**

[Effect of preganglionic activation on nicotinic cholinergic receptors linked to alpha-bungarotoxin in the rat superior cervical ganglion] Fumagalli L, et al. **Boll Soc Ital Biol Sper** 1980 Jul 30;56(14):1504–6 (Eng. Abstr.) **(Ita)**

[Acetylcholine receptors and acetylcholinesterase activity in cultured chick ciliary ganglia] Gangitano C, et al. **Boll Soc Ital Biol Sper** 1980 Jul 30;56(14):1507–10 (Eng. Abstr.) **(Ita)**

[Membrane-bound acetylcholine receptor from the optical ganglia of the squid Berryteuthis magister] Demushkin VP, et al. **Biokhimiia** 1980 Oct;45(10):1773–9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Interaction of cholinergic and dopaminergic influences on yawning behavior. Holmgren B, et al. **Acta Neurobiol Exp (Warsz)** 1980;40(3):633–42

The influence of cholinergic drugs on evoked field potentials in the gyrus dentatus of immobilized rats. Krug M, et al. **Acta Neurobiol Exp (Warsz)** 1980;40(3):643–50

Muscarinic autoreceptor regulates acetylcholine release in rat hippocampus: in vitro evidence. Nordström O, et al. **Acta Physiol Scand** 1980 Apr;108(4):347–53

Cholinergic inhibition of sympathetic vasoconstrictor tone in the cerebrovascular bed mediated by nicotinic-type receptors. Owman C, et al. **Acta Physiol Scand [Suppl]** 1980; (479):39–42

Chemical control of bioelectric currents. Neumann E. **Adv Biol Med Phys** 1977;16:235–9

Transmural distribution of blood flow during activation of coronary muscarinic receptors. Gross GJ, et al. **Am J Physiol** 1981 Jun;240(6):H941–6

Peripheral muscarinic control of norepinephrine release in the cardiovascular system. Muscholl E. **Am J Physiol** 1980 Dec;239(6):H713–20

Possible muscarinic regulation of catecholamine secretion mediated by cyclic GMP in isolated bovine adrenal chromaffin cells. Derome G, et al. **Biochem Pharmacol** 1981 Apr 15;30(8):855–60

Quantitative simulation of endplate currents at neuromuscular junctions based on the reaction of acetylcholine with acetylcholine receptor and acetylcholinesterase. Rosenberry TL. **Biophys J** 1979 May;26(2):263–89

Numerical reconstruction of the quantal event at nicotinic synapses. Wathey JC, et al. **Biophys J** 1979 Jul;27(1):145–64

Parallel maturation of the pancreatic secretory response to cholinergic stimulation and the muscarinic receptor population. Dumont Y, et al. **Br J Pharmacol** 1981 Jun; 73(2):347–54

Generalised smooth-muscle disease with defective muscarinic-receptor function. Bannister R, et al. **Br Med J [Clin Res]** 1981 Mar 28;282(6269):1015–8

Alterations in the number and affinity of junctional acetylcholine receptors in a myopathy with tubular aggregates. A newly recognized receptor defect. Morgan-Hughes JA, et al. **Brain** 1981 Jun;104(2):279–95

5-hydroxytryptamine controls ACh-receptor sensitivity of bullfrog sympathetic ganglion cells. Akasu T, et al. **Brain Res** 1981 Apr 27;211(1):217–20

Muscarinic-dopaminergic synergism on retinal cyclic AMP formation. Brown JH, et al. **Brain Res** 1981 Jun 29; 215(1-2):388–92

Cholinergic receptor interactions and their effects on long-term memory processing. Flood JF, et al. **Brain Res** 1981 Jun 29;215(1-2):177–85

Different cholinergic synapses converging onto neurons in Aplysia produce the same synaptic action. Segal M, et al. **Brain Res** 1980 Oct 20;199(2):459–65

Interaction between acetylcholine and other agonists at cholinoreceptive membrane of mollusc neurons. Vulfius CA, et al. **Brain Res** 1980 Oct 27;200(1):190–4

Muscarinic cholinergic receptors flow in the sciatic nerve. Wamsley JK, et al. **Brain Res** 1981 Jul 27;217(1):155–61

Reflexly induced inhibition of catecholamine release through a peripheral muscarinic mechanism. Lavallée M, et al. **Can J Physiol Pharmacol** 1980 Nov;58(11):1334–41

Reversible loss of acetylcholine receptor clusters at the developing rat neuromuscular junction. Bloch RJ, et al. **Dev Biol** 1981 Jan 30;81(2):386–91

Altered ontogenesis of muscarinic cholinergic receptor in mouse brain: effect of L-thyroxine and betamethasone. Ben-Baruch G, et al. **Endocrinology** 1981 Jul;109(1):235–9

Modulatory action on the twitch responses of the guinea-pig ileum of endogenous substances released by high frequency electrical stimulation. Fosbraey P, et al. **Eur J Pharmacol** 1980 Oct 31;67(4):393–402

Participation of muscarinic cholinergic receptors may be an important requirement of the kindling process. Girgis M. **Exp Neurol** 1980 Nov;70(2):458–61

Cholinergic transmission regulates extrajunctional acetylcholine receptors. Pestronk A, et al. **Exp Neurol** 1980 Dec;70(3):690–6

Cholinergic kindling of the amygdala requires the activation of muscarinic receptors. Wasterlain CG, et al. **Exp Neurol** 1981 Aug;73(2):595–9

Desensitization of the muscarinic receptor of bullfrog atrial muscle. Tokimasa T, et al. **Experientia** 1980 Oct 15; 36(10):1200–1

A possible role of synaptic-membrane protein phosphorylation in the regulation of muscarinic acetylcholine receptors. Burgoyne RD. **FEBS Lett** 1980 Dec 29;122(2):288–92

Muscarinic receptor: regulation by guanine nucleotides, ions, and N-ethylmaleimide. Ehlert FJ, et al. **Fed Proc** 1981 Feb; 40(2):153–9

Neural release of vasoactive intestinal peptide from the gut. Bitar KN, et al. **Gastroenterology** 1980 Dec;79(6):1288–94

Intracellular study of effects of morphine on electrical activity of myenteric neurons in cat small intestine. Wood JD. **Gastroenterology** 1980 Dec;79(6):1222–30

Membrane structure and muscarinic function: a temperature acclimation approach. Martner JE, et al. **Gen Pharmacol** 1981;12(2):89–91

A factor from neurons induces partial immobilization of nonclustered acetylcholine receptors on cultured muscle cells. Axelrod D, et al. **J Cell Biol** 1981 Feb;88(2):459–62

Cell interactions in nerve and muscle cell cultures. Christian CN, et al. **J Exp Biol** 1980 Dec;89:85–101

pH dependence of the acetylcholine receptor channel: a species variation. Landau EM, et al. **J Gen Physiol** 1981 Jun;77(6):647–66

Acetylcholine receptor kinetics. Adams PR. **J Membr Biol** 1981 Feb 28;58(3):161–74 (132 ref.)

Acetylcholine receptor-controlled ion flux in electroplax membrane vesicles: identification and characterization of membrane properties that affect ion flux measurements. Kim PS, et al. **J Membr Biol** 1981 Feb 28;58(3):203–11

Pharmacological analysis of a cholinergic receptor mediated regulation of brain norepinephrine neurons. Engberg G, et al. **J Neural Transm** 1980;49(3):137–50

Muscarinic cholinergic stimulation increases cyclic GMP levels in rat hippocampus. Black AC Jr, et al. **J Neurochem** 1979 Dec;33(6):1165–8

A comparison of cyclic guanosine 3',5'-monophosphate and muscarinic excitatory responses in the superior cervical ganglion of the rat. Frey EA, et al. **J Pharmacol Exp Ther** 1981 Jul;218(1):115–21

Properties of end-plate channels in rats immunized against acetylcholine receptors. Alemà S, et al. **J Physiol (Lond)** 1981 Feb;311:251–66

Evolution of cholinergic proteins in developing slow and fast skeletal muscles in chick embryo. Betz H, et al. **J Physiol (Lond)** 1980 May;302:197–218

Channel gating at frog neuromuscular junctions formed by different cholinergic neurones. Breitschmid P, et al. **J Physiol (Lond)** 1981 Mar;312:237–52

A post-natal decrease in acetylcholine channel open time at rat end-plates. Fischbach GD, et al. **J Physiol (Lond)** 1980 Jun;303:125–37

The acetylcholine channel open time in chick muscle is not decreased following innervation. Schuetze SM. **J Physiol (Lond)** 1980 Jun;303:111–24

Dose-inhibition curve and its application to the analysis of ACh-receptor activity. Matsumoto M, et al. **Jpn J Physiol** 1980;30(5):743–50

Effects of onium derivatives on Na-, Cl-, and K-dependent acetylcholine receptors. Matsumoto M, et al. **Jpn J Physiol** 1980;30(5):729–42

Desensitization of the muscarinic receptor controlling action potentials of sympathetic ganglion cells in bullfrogs. Akasu T, et al. **Life Sci** 1980 Dec 8;27(23):2261–7

Regulation of muscarinic acetylcholine receptors and contractility of guinea pig vas deferens. Takeyasu K, et al. **Life Sci** 1981 Feb 2;28(5):527–40

Demonstration of a muscarinic receptor-mediated cyclic GMP-dependent hyperpolarization of the membrane potential of mouse neuroblastoma cells using [3H]tetraphenylphosphonium. Wastek GJ, et al. **Mol Pharmacol** 1981 Jan;19(1):15–20

Peripheral catecholamines mediate certain responses to central cholinergic receptor stimulation by oxotremorine. Weinstock M, et al. **Monogr Neural Sci** 1980;7:138–45

Acetylcholine receptors in organ-cultured human muscle fibres. Cull-Candy SG, et al. **Nature** 1979 Jan 18; 277(5693):236–8

Nonjunctional acetylcholine receptor channel open time decreases during development of Xenopus muscle. Kullberg RW, et al. **Nature** 1981 Jan 29;289(5796):411–3

Denervated endplates have a dual population of junctional acetylcholine receptors. Levitt TA, et al. **Nature** 1981 May 21;291(5812):239–41

The role of sodium influx mediated by nicotinic receptors as an initial event in trans-synaptic induction of tyrosine hydroxylase in adrenergic neurons. Bönisch H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Sep; 313(3):199–203

The Yawning elicited by alpha-melanocyte-stimulating hormone involves serotonergic-dopaminergic-cholinergic neuron link in rats. Yamada K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Apr; 316(2):155–60

Brain cholinergic dysfunction and memory in aged rats. Lippa AS, et al. **Neurobiol Aging** 1980 Summer;1(1):13–9

Striatal cholinergic receptors and dyskinetic motor activity in the rat. Forchetti C, et al. **Neurosci Lett** 1980 Dec; 20(3):363–7

Calcium-dependent regulation of the membrane potential and extrajunctional acetylcholine receptors of rat skeletal muscle. Forrest JW, et al. **Neuroscience** 1981;6(4):741–9

Neuromuscular Transmission in experimental autoimmune myasthenia gravis (EAMG). Quantitative ionophoresis and current fluctuation analysis at normal and myasthenic rat end-plates. Hohlfeld R, et al. **Pfluegers Arch** 1981 May; 390(2):156–60

Agonist-activated ionic channels in acetylcholine receptor reconstituted into planar lipid bilayers. Boheim G, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3586–90

Membrane lipid heterogeneity associated with acetylcholine receptor particle aggregates in Xenopus embryonic muscle cells. Bridgman PC, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):1278–82

Single channel currents from excised patches of muscle membrane. Horn R, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6930–4

Synaptic localization of alpha-bungarotoxin binding which blocks nicotinic transmission at frog sympathetic neurons. Marshall LM. **Proc Natl Acad Sci USA** 1981 Mar;

78(3):1948–52

Direct spectroscopic studies of cation translocation by Torpedo acetylcholine receptor on a time scale of physiological relevance. Moore HP, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4509–13

Electrophysiology of T lymphocyte cholinergic receptors. Shapiro HM, et al. **Proc Natl Acad Sci USA** 1980 Jul; 77(7):4317–21

Aging, memory, and the cholinergic system: a study of dichotic listening. Drachman DA, et al. **Trans Am Neurol Assoc** 1979;104:165–8

[Muscarinic regulation of cyclic GMP levels and catecholamine secretions in chromaffin cells] Lemaire S, et al. **Union Med Can** 1980 Sep;109(9):1310–4 (Eng. Abstr.) **(Fre)**

[Effects of partial denervation on the distribution of acetylcholine receptors and other membrane properties in innervated and paralyzed fibers of rat skeletal muscle] Cangiano A, et al. **Boll Soc Ital Biol Sper** 1979 Oct 15; 55(19):1946–9 (Eng. Abstr.) **(Ita)**

[Acetylcholine receptor in skeletal muscle (author's transl)] Kosk-Kosicka D. **Postepy Biochem** 1980;26(2):225–41 (77 ref.) **(Pol)**

[SH-groups of myocardial cholinoreceptors. Electrophysiologic and photometric study] Turpaev TM, et al. **Dokl Akad Nauk SSSR** 1980;253(3):747–50 **(Rus)**

[Functional state of the adrenergic and cholinergic receptors in bronchial asthma and chronic bronchitis] Chuchalin AG, et al. **Sov Med** 1981;(1):26–31 (Eng. Abstr.) **(Rus)**

[Cell surface receptors and their disorders] Bergström K, et al. **Lakartidningen** 1981;78(13):1309–18 (Eng. Abstr.) **(Swe)**

RECEPTORS, COMPLEMENT

Distribution of complement receptors on human normal and malignant mononuclear cells. Slease RB, et al. **Blood** 1980 Nov;56(5):792–7

Antibody response of murine spleen cells with or without receptors for C3 to antigenic or mitogenic stimulation. Nariuchi H, et al. **Cell Immunol** 1980 Sep 1;54(2):264–73

Heterogeneity of cell surface receptors and mitogen reactivity of individual spontaneous AKR lymphomas. Nell LJ, et al. **Exp Hematol** 1981 Jul;9(6):611–8

Complement dependence of blocking of C3d lymphocyte receptors by anti-H-2 antibodies. Capel PJ, et al. **Immunobiology** 1980;158(1-2):14–6

Similarities of C3b receptors in human kidney and spleen. Matre R, et al. **Int Arch Allergy Appl Immunol** 1981; 66(1):100–4

Clq binding circulating immune complexes in multiple sclerosis patients and their first-degree relatives: a distinctive immunological feature between sporadic and familial cases. Trouillas P, et al. **J Clin Lab Immunol** 1980 Sep;4(2):77–81

Demonstration of a C1q receptor on the surface of human endothelial cells. Andrews BS, et al. **J Immunol** 1981 Sep; 127(3):1075–80

Differences in cell-bound C8 sites on chicken erythrocytes measured by their reactivity with guinea pig and human C9. Boyle MD, et al. **J Immunol** 1980 Dec;125(6):2818–22

Responses of B cells with or without C3 receptors to polyclonal B cell activators. Kakiuchi T, et al. **J Immunol** 1981 Sep;127(3):954–8

Induction of complement receptor expression cell lines derived from human undifferentiated lymphomas. I. Mode of action of theophylline and inhibition by certain purines. Magrath I, et al. **J Immunol** 1981 Sep;127(3):1034–8

Induction of complement receptor expression in cell lines derived from human undifferentiated lymphomas. II. Characterization of the induced complement receptors and demonstration of the simultaneous induction of EBV receptor. Magrath I, et al. **J Immunol** 1981 Sep; 127(3):1039–43

Phagocytosis of immune complexes mediated by IgM and C3 receptors by macrophages from mice treated with glycogen. Mantovani B. **J Immunol** 1981 Jan;126(1):127–30

Development of functional complement receptors during in vitro maturation of human monocytes into macrophages. Newman SL, et al. **J Immunol** 1980 Nov;125(5):2236–44

A spatial association between membrane IgD and the receptor for C3b (CR1) at the cell surface of murine B lymphocytes. Sitia R, et al. **J Immunol** 1981 Jan; 126(1):107–12

Demonstration of IgG-Fc and C3 receptors on adult Schistosoma mansoni. Tarleton RL, et al. **J Immunol** 1981 Jan;126(1):379–84

Analysis of receptor-mediated C1q binding to human peripheral blood mononuclear cells. Tenner AJ, et al. **J Immunol** 1980 Oct;125(4):1658–64

ANALYSIS

Localization of the receptors for activated complement on the visceral epithelial cells by the human renal glomerulus by immunoenzymatic microscopy. Carlo JR, et al. **Am J Clin Pathol** 1981 Jan;75(1):23–7

Receptors on human synovial cells [letter] Schrieber L, et al. **Arthritis Rheum** 1980 Nov;23(11):1333–4

Lymphocyte surface markers in sheep blood and lymph. Outteridge PM, et al. **Aust J Exp Biol Med Sci** 1981 Apr; 59(Pt 2):143–55

Distribution of complement receptor subtypes in non-Hodgkin's lymphomas of B-cell origin. Cossman J, et al. **Blood** 1981 Jul;58(1):20–6

Demonstration of C3 receptors on frozen sections of normal lymphoid tissue and malignant lymphomas using various EAC complexes. Stein H, et al. **Blut** 1980 Aug;41(2):101–18

Maturation-linked expression of C3b and $C3b^i$ receptors on developing human bone marrow and peripheral blood granulocytes. Scott CS. **Clin Exp Immunol** 1981 Apr; 44(1):201–10

Fc and C3 receptor patterns on two EBV- negative Burkitt lymphoma lines during acute exposure to EBV (P3HR-1 substrain). Jønsson V, et al. **Eur J Cancer** 1981 Feb; 17(2):161–5

Schistosoma mansoni: a complement-dependent receptor on adult male parasites. McGuinness TB, et al. **Exp Parasitol** 1981 Apr;51(2):236–42

Defective immune-adherence (C3b) receptor on erythrocytes from patients with systemic lupus erythematosus. Miyarawa Y, et al. **Lancet** 1981 Sep 5;2(8245):493–7

Acute lymphocytic leukemia and complement receptors. (A study of 45 cases). De Rossi G, et al. **Ric Clin Lab** 1981 Apr-Jun;11(2):139–43

Decreased expression of receptors on monocytes from cancer patients. Sing GK, et al. **S Afr Med J** 1981 May 2; 59(19):676–7

Fc and C3 receptors as membrane differentiation markers of acute myelogenous leukaemia cells. Harlozinska A, et al. **Scand J Haematol** 1980 Sep;25(3):205–13

Human membrane-bound C3 receptors. II. Physiochemical properties of the C3b and C3d receptors isolated from tonsil cells by immunoprecipitation. Gerdes J, et al. **Scand J Immunol** 1981;13(1):77–86

DRUG EFFECTS

Trypan blue inhibition of complement receptor function on various cells. Harper BL, et al. **Immunology** 1981 Jan; 42(1):61–6

Interaction between the labile binding site of human C4 and methylamine. Lundwall A, et al. **Scand J Immunol** 1981; 13(2):199–203

IMMUNOLOGY

Neutrophil surface markers in patients with acute leukemia. Hofmeister BG, et al. **Blood** 1981 Feb;57(2):372–6

The bacteria(B)--antibody(A)--complement(C) (BAC) rosette method for detecting C3 receptors (R): binding specificity and capping of human peripheral blood lymphocyte C3r. Gormus BJ, et al. **Cell Immunol** 1980 Sep 15;55(1):94–105

B cells with or without C3 receptor:murine B-cell subsets highly and lowly responsive to anti-ig stimulation. Nariuchi H, et al. **Cell Immunol** 1980 Nov;56(1):184–92

Human renal glomeruli possiss no Fc gamma receptors. Matre R, et al. **Clin Immunol Immunopathol** 1980 Oct; 17(2):157–62

Detection and functional assessment of complement receptors on two murine macrophage-like cell lines. Walker WS, et al. **Exp Cell Res** 1980 Sep;129(1):15–21

Complement receptors on Raji cells. The presence of a new type of C3 receptor. Okuda T, et al. **Immunology** 1980 Sep; 41(1):159–66

C4 receptors in the human glomeruli. Matre R, et al. **Int Arch Allergy Appl Immunol** 1980;63(3):312–6

Effects of soluble immune complexes on Fc receptor- and C3b receptor-mediated phagocytosis by macrophages. Griffin FM Jr. **J Exp Med** 1980 Oct 1;152(4):905–19

Binding of soluble 125I-human C3b, the third component of complement, to specific receptors in human cultured B lymphoblastoids cells: characterization of a low affinity interaction. Frade R, et al. **J Immunol** 1980 Sep; 125(3):1332–9

Qualitative and quantitative assessment of C3-receptor reactivities on lymphoid and phagocytic cells. Schmitt M, et al. **J Immunol** 1981 May;126(5):2042–7

Specificity of C3 receptors that mediate phagocytosis by rat peritoneal mast cells. Vranian G Jr, et al. **J Immunol** 1981 Jun;126(6):2302–6

Analysis of the different types of leukocyte membrane complement receptors and their interaction with the complement system. Ross GD. **J Immunol Methods** 1980; 37(3-4):197–211 (52 ref.)

The roles of the Fc and C3 receptors in the phagocytosis and killing of bacteria by human phagocytes. Horwitz MA. **J Reticuloendothel Soc** 1980 Dec;28(Suppl):17s–26s

Isolation of lymphocyte membrane complement receptor type two (the C3d receptor) and preparation of receptor-specific antibody. Lambris JD, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1828–32

Human membrane-bound C3 receptors. I. Serological and immunohistological demonstration of C3 receptors. Stein H, et al. **Scand J Immunol** 1981;13(1):67–76

ISOLATION & PURIFICATION

Physicochemical characterization of C3b receptors isolated from human erythrocytes by immunoprecipitation. Gerdes J, et al. **Immunology** 1980 Dec;41(4):929–36

Characteristics of isolated erythrocyte complement receptor type one (CR1, C4b-C3b receptor) and CR1-specific antibodies. Dobson NJ, et al. **J Immunol** 1981 Feb; 126(2):693–8

Isolation of a biologically active macrophage receptor for the third component of complement. Schneider RJ, et al. **Nature** 1981 Apr 30;290(5809):789–92

METABOLISM

Surface receptors and immune activity of purified human circulating mononuclear cells. I. The effects of lysis of the sheep red blood cells (SRBC) in the T-cell rosettes on the receptors and cytotoxic activities of the T cells. T cells with receptors for complement. Sklar S, et al. **Immunopharmacology** 1980 Dec;2(4):349–59

Release of endogenous C3b inactivator from lymphocytes in response to triggering membrane receptors for beta 1H globulin. Lambris JD, et al. **J Exp Med** 1980 Dec 1; 152(6):1625–44

The Clq receptor site on immunoglobulin G. Burton DR, et al. **Nature** 1980 Nov 27;288(5789):338–44

Lateral distribution and diffusion of the C3b receptor of complement, HLA antigens, and lipid probes in peripheral blood leukocytes. Petty HR, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6587–91

PHYSIOLOGY

Neutrophil chemotaxis in response to surface-bound C5A. Webster RO, et al. **Exp Cell Res** 1980 Sep;129(1):55–62

Monoclonal and polyclonal xenoantibodies to the HLA-A, B, C antigenic molecular complex do not affect the functional activity of C3 receptors. Indiveri F, et al. **Immunobiology** 1980;158(1-2):17–21

Complement receptors and histamine degradation. Frank MM. **J Allergy Clin Immunol** 1980 Oct;66(4):267–8

Reversal of hemodialysis granulocytopenia and pulmonary leukostasis: A clinical manifestation of selective down-regulation of granulocyte responses to C5adesarg. Skubitz KM, et al. **J Clin Invest** 1981 May;67(5):1383–91

Membrane distribution and adsorptive endocytosis by C3b receptors on human polymorphonuclear leukocytes. Fearon DT, et al. **J Exp Med** 1981 Jun 1;153(6):1615–28

Augmentation of macrophage complement receptor function in vitro. III. C3b receptors that promote phagocytosis migrate within the plane of the macrophage plasma membrane. Griffin FM Jr, et al. **J Exp Med** 1981 Aug 1; 154(2):291–305

Complement receptor is an inhibitor of the complement cascade. Iida K, et al. **J Exp Med** 1981 May 1; 153(5):1138–50

Interaction of target cell-bound C3bi and C3d with human lymphocyte receptors. Enhancement of antibody-mediated cellular cytotoxicity. Perlmann H, et al. **J Exp Med** 1981 Jun 1;153(6):1592–603

Effect of circulating immune complexes on Fc and C3 receptors of Kupffer cells in vivo. Nishi T, et al. **Lab Invest** 1981 May;44(5):442–8

Roles of macrophage Fc and C3b receptors in phagocytosis of immunologically coated Cryptococcus neoformans. Griffin FM Jr. **Proc Natl Acad Sci USA** 1981 Jun; 78(6):3853–7

RADIATION EFFECTS

Complement receptor positive spleen cells in microwave (2450-MHz)-irradiated mice. Smialowicz RJ, et al. **J Microwave Power** 1981 Mar;16(1):73–7

RECEPTORS, CONCANAVALIN A

Cytoskeletal control of redistribution of surface membrane receptors in hairy cells. Naeim F. **Am J Clin Pathol** 1980 Nov;74(5):660–3

[Specific role of cells whose receptors do not vanish for a long time from the cell surface in transmembrane activation of lymphocytes by concanavalin A] Sitkovskiĭ MV, et al. **Dokl Akad Nauk SSSR** 1981;258(5):1261–4 **(Rus)**

ANALYSIS

Concanavalin A distribution on the surface of the mesothelial and cancer cells from human effusions. Electron and fluorescent microscopic observations. Lubiński J, et al. **Acta Med Pol** 1980;21(4):377–8

Glycoproteins of ram sperm plasma membrane. Relationship of protein having affinity for Con A to epididymal maturation. Fournier-Delpech S, et al. **Biochem Biophys Res Commun** 1980 Sep 30;96(2):756–61

Concanavalin A receptors of the surface membrane of Crithidia fasciculata. Frantzis N, et al. **Biochem Soc Trans** 1981 Feb;9(1):135–6

Ultrastructural localization of concanavalin A-binding sites in satellite cells of human skeletal muscle. Wakayama Y, et al. **Cell Tissue Res** 1980;210(1):79–84

Concanavalin A capping in polymorphonuclear leukocytes. Rister M, et al. **Eur J Pediatr** 1980 Dec;135(2):153–60

Ultrastructural visualization of cellular carbohydrate components in rabbit lacrimal gland by means of concanavalin A. Ahmed A, et al. **Exp Eye Res** 1981 Jan; 32(1):85–96

Effects of different fixative solutions on labeling of concanavalin-A receptor sites in human T-lymphocytes. Renau-Piqueras J, et al. **Histochemistry** 1981;71(4):559–65

Confirmatory evidence for the existence of two types of receptor sites for Con A on mouse lymphocytes. Sainis KB, et al. **Immunology** 1980 Jun;40(2):201–3

Lectin receptors of rods and cones. Visualization by fluorescent label. Bridges CD.

Invest Ophthalmol Vis Sci 1981 Jan;20(1):8–16
Disturbance of redistribution of surface membrane receptors on peripheral mononuclear cells of patients with Down's syndrome and of aged individuals. Naeim F, et al. **J Gerontol** 1980 Sep;35(5):650–5
Mobility of concanavalin A receptors in Trypanosoma cruzi. Szarfman A, et al. **J Parasitol** 1980 Dec;66(6):1055–7
Distribution of concanavalin A receptors in thymocytes and spleen cells during cell movement. de Petris S. **J Ultrastruct Res** 1981 Mar;74(3):267–83
Cytochemical and ultrastructural studies of Candida albicans. II. Evidence for a cell wall coat using concanavalin A. Tronchin G, et al. **J Ultrastruct Res** 1981 Apr;75(1):50–9
[Indirect electron-dense labelling by means of complexes or metallocens of lectins and lectin receptors (author's transl)] Pfüller U, et al. **Acta Histochem [Suppl] (Jena)** 1980; 22:127–30 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Trypsin separates synaptic junctions to reveal pre- and post-synaptic concanavalin A receptors. Gordon-Weeks PR, et al. **Brain Res** 1981 Aug 24;219(1):224–30
[Effect of cytochalasin B on the distribution of concanavalin A receptors of the surfaces of normal mouse fibroblasts] Domnina LV, et al. **Tsitologiia** 1980 Jun;22(6):705–9 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Cell membrane receptor classes delimited through cap formation either with diamide or with membrane mobility agent, A2C. Kosower NS, et al. **J Immunol Methods** 1981; 41(2):215–23

METABOLISM

A glycoprotein abnormality associated with malignancy. Bramwell ME. **Biochem Soc Trans** 1980 Dec;8(6):697–8
The binding of 125I-labelled concanavalin A to the cell surface of rabbit peritoneal polymorphonuclear leucocytes. Castle AG, et al. **Biochem Soc Trans** 1980 Oct;8(5):553–4
The isolation and characterization of a concanavalin A receptor from boar spermatozoa surface. Hermann J, et al. **Biochim Biophys Acta** 1981 Apr 22;643(1):30–40
Surface membrane redistribution and stabilization of concanavalin A-specific receptors following Yaba tumor poxvirus infection. Rouhandeh H, et al. **Biochim Biophys Acta** 1980 Aug 4;600(2):301–12
Electrophoresis and diffusion in the plane of the cell membrane. Poo M, et al. **Biophys J** 1979 Apr;26(1):1–21
Subcellular distribution and partial characterization of the three major classes of concanavalin A receptors associated with rat brain synaptic junctions. Gurd JW. **Can J Biochem** 1980 Oct;58(10):941–51
Relationship between membrane fluidity and capping of receptors for concanavalin A. Mak WW, et al. **Can J Biochem** 1980 Dec;58(12):1421–9
Cytoskeletal control of concanavalin A receptor mobility in isolated rat hepatocytes. Devirgiliis LC, et al. **Cell Mol Biol** 1980;26(5):533–40
Distribution of concanavalin A receptors on the cell surface of isolated hepatocytes from regenerating liver. Devirgiliis LC, et al. **Cell Mol Biol** 1980;26(5):525–31
Fertilization-induced changes in concanavalin A binding to mouse eggs. De Felici M, et al. **Exp Cell Res** 1981 Mar; 132(1):41–5
Epstein-Barr virus-induced increase in the concanavalin-A receptor density of established EBV-negative lymphoma lines in vitro. Siegert W, et al. **Exp Hematol** 1980 Nov; 8(10):1173–82
Epstein-Barr, virus-induced increase in the concanavalin-A receptor density of established EBV-negative lymphoma lines in vitro. Siegert W, et al. **Exp Hematol** 1980 Nov; 8(10):1173–82
Estimation of nonspecific lectin-mediated staining of glutaraldehyde-fixed cells. Gilboa-Garber N, et al. **Experientia** 1980 Dec 15;36(12):1416–7
Polarization of endocytosis and receptor topography on cultured macrophages. Walter RJ, et al. **J Cell Biol** 1980 Jul;86(1):199–211
Microtubule function in leukocytes from umbilical cord blood. Fontán G, et al. **J Clin Lab Immunol** 1981 May; 5(3):195–6
Double labeling study of anionic sites and concanavalin A binding sites in monkey macrophages. Takata K, et al. **J Histochem Cytochem** 1981 Jul;29(7):858–63
Transient concanavalin A-binding glycoproteins of the parallel fibres of the developing rat cerebellum: evidence for the destruction of their glycans. Reeber A, et al. **J Neurochem** 1980 Dec;35(6):1273–7
Concanavalin A binding capacity of preimplantation mouse embryos. Wu JT. **J Reprod Fertil** 1980 Mar;58(2):455–61
Redistribution of concanavalin A receptors on peripheral blood lymphocytes of myeloma patients. Wetter O, et al. **Leuk Res** 1980;4(6):639–50
Receptors for concanavalin A cluster at the front of polarized neutrophils. Weinbaum DL, et al. **Nature** 1980 Aug 14; 286(5774):725–7
Microtubule assembly and conanavalin A capping in lymphocytes: reappraisal using normal and abnormal human peripheral blood cells. Oliver JM, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3499–503
[Distribution and movement of concanavalin A receptors on the surfaces of cells in suspension] Domnina LV, et al. **Tsitologiia** 1981 Jun;23(6):615–8 (Eng. Abstr.) **(Rus)**
[Applicability of concanavalin A and lectin from the Lens culinaris. Histochemical study (author's transl)] Chorváth D, et al. **Bratisl Lek Listy** 1980 Oct;74(4):401–12 (Eng. Abstr.) **(Slo)**

PHYSIOLOGY

Concanavalin A induced agglutinability of the isolated cells of hamster melanotic and amelanotic melanomas. Kozłowska K, et al. **Arch Immunol Ther Exp (Warsz)** 1980; 28(1):161–6
Increased concanavalin A capping in cells from brains of scrapie-infected hamsters. Rutter G, et al. **Arch Virol** 1981; 68(2):129–33
Co-capping of insulin, epidermal growth factor and concanavalin A surface receptors with each other and with cytoplasmic actin. Prime SS, et al. **Cytobios** 1980; 28(111–112):151–60
The effect of amphotericin B on lectin-induced aggregation of cell surface receptors. Zagyansky Y, et al. **Exp Cell Res** 1981 Apr;132(2):387–97
Cytoskeletal elements and their involvement in Polyphysa (Acetabularia) protoplast differentiation. Cytoskeleton modifiers and concanavalin A-mediated effects. Zimmer B, et al. **Exp Cell Res** 1981 Jan;131(1):105–13
Concanavalin A receptor-mediated phagocytosis and subsequent fusion of vesicles with lysosomes in guinea pig polymorphonuclear leukocytes. Amano F, et al. **FEBS Lett** 1980 Sep 8;118(2):215–8
Immobilization of concanavalin A receptors during differentiation of neuroblastoma cells. Fishman MC, et al. **Nature** 1981 Apr 30;290(5809):781–3

RECEPTORS, CYCLIC AMP

Structure of catabolite gene activator protein at 2.9 A resolution suggests binding to left-handed B-DNA. McKay DB, et al. **Nature** 1981 Apr 30;290(5809):744–9

GENETICS

Interaction of cAMP receptor protein with the ompA gene, a gene for a major outer membrane protein of Escherichia coli. Movva RN, et al. **FEBS Lett** 1981 Jun 15; 128(2):186–90
Catabolite repression in Escherichia coli mutants lacking cyclic AMP receptor protein. Guidi-Rontani C, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):5799–801

ISOLATION & PURIFICATION

Crystallization and preliminary X-ray diffraction data for the cyclic AMP receptor protein of Escherichia coli. McKay DB, et al. **J Mol Biol** 1980 May 5;139(1):95–6

METABOLISM

Differential distribution of cyclic-AMP receptors in human spermatozoa. Delgado NM, et al. **Arch Androl** 1981 Aug; 7(1):45–9
Cyclic adenosine 3':5'-monophosphate receptor protein: interaction with E. coli RNA polymerase. Stender W. **Biochem Biophys Res Commun** 1980 Sep 16;96(1):320–5
An equilibrium study of the cooperative binding of adenosine cyclic 3',5'-monophosphate and guanosine cyclic 3',5'-monophosphate to the adenosine cyclic 3',5'-monophosphate receptor protein from Escherichia coli. Takahashi M, et al. **Biochemistry** 1980 Oct 28; 19(22):5124–30
Cyclic adenosine 3':5-monophosphate receptor proteins in hormone-dependent and -independent rat mammary tumors. Cho-Chung YS, et al. **Cancer Res** 1981 May; 41(5):1840–6
cAMP regulation of cell differentiation in Dictyostelium discoideum and the role of the cAMP receptor. Juliani MH, et al. **Dev Biol** 1981 Apr 15;83(1):114–21
Adenosine 3',5'-monophosphate (cAMP)-binding proteins and cAMP-dependent protein kinases in bovine adrenal cortical cell plasma membrane. Reitherman R, et al. **Endocrinology** 1981 Jul;109(1):301–6
The ligand specificity of the (adenosine 3',5'-monophosphate)-binding site of yeast glyceraldehyde-3-phosphate dehydrogenase. Interaction with adenosine derivatives and pharmacologically-active compounds. Brownlee AG, et al. **Eur J Biochem** 1980 Aug; 109(1):51–9
Purification and characterization of two high-affinity (adenosine 3',5'-monophosphate)-binding proteins from yeast. Identification as multiple forms of glyceraldehyde-3-phosphate dehydrogenase. Brownlee AG, et al. **Eur J Biochem** 1980 Aug;109(1):39–49
Steroid hormones may regulate autophosphorylation of adenosine-3',5'-monophosphate-dependent protein kinase in target tissues. Liu AY, et al. **Eur J Biochem** 1981 Mar; 114(3):539–48
Evidence that the rate of association of adenosine 3',5'-monophosphate to its chemotactic receptor induces phosphodiesterase activity in Dictyostelium discoideum. Van Haastert PJ, et al. **J Bacteriol** 1981 Jul;147(1):170–5
Photoaffinity labeling of the cell surface adenosine 3':5'-monophosphate receptor of Dictyostelium discoideum and its modification in down-regulated cells. Juliani MH, et al. **J Biol Chem** 1981 Jan 25;256(2):613–9
Hypothesis. Cyclic AMP and its receptor protein in tumor growth regulation in vivo. Cho-Chung YS. **J Cyclic Nucleotide Res** 1980;6(3):163–77
Species specificity of brain cyclic AMP receptor proteins. Panter SS, et al. **J Neurochem** 1981 Jun;36(6):2080–5
Two DNA-binding proteins [news] Davies D. **Nature** 1981 Apr 30;290(5809):736–7
Cyclic AMP receptor proteins interacts with lactose operator DNA. Schmitz A. **Nucleic Acids Res** 1981 Jan 24; 9(2):277–92
Interaction of the cAMP receptor protein with the lac promoter. Simpson RB. **Nucleic Acids Res** 1980 Feb 25; 8(4):759–66
Molecuar model of the DNA interaction site for the cyclic AMP receptor protein. O'Neill MC, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2213–7

PHYSIOLOGY

Regulation of the synthesis of adenylate cyclase in Escherichia coli by the cAMP -- cAMP receptor protein complex. Majerfeld IH, et al. **MGG** 1981;181(4):470–5

RECEPTORS, DOPAMINE

Interneurones are probably not involved in the presynaptic dopaminergic control of dopamine release in rabbit caudate nucleus. Jackisch R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Nov; 314(2):129–33
Effect of four dopamine receptor antagonists on gastrin secretion in healthy subjects. Caldara R, et al. **Scand J Gastroenterol** 1980;15(4):481–4

ADMINISTRATION & DOSAGE

The binding of fluorocatecholamines to adrenergic and dopaminergic receptors in rat brain membranes. Nimit Y, et al. **Life Sci** 1980 Oct 27;27(17):1577–85

ANALYSIS

Evidence for essential thiol groups and disulfide bonds in agonist and antagonist binding to the dopamine receptor. Suen ET, et al. **Biochem Biophys Res Commun** 1980 Sep 30;96(2):953–60
Relation between brain catecholamine receptors and dopaminergic stereotypy in rat strains. Helmeste DM, et al. **Eur J Pharmacol** 1981 Feb 19;69(4):465–70
Presence of a particular subpopulation of dopamine receptors within the septal nuclei: a behavioural study on cats. Megens AA, et al. **Eur J Pharmacol** 1981 May 8; 71(2-3):247–58
D2- but not D3-dopamine receptors detected in the anterior pituitary. Titeler M, et al. **Eur J Pharmacol** 1981 Apr 24; 71(1):143–6
Localization and characterization of dopamine receptors within two synaptosome fractions of rabbit and bovine retina. Redburn DA, et al. **Exp Eye Res** 1980 Jun; 30(6):699–708
Identification of dopamine receptors in the rat retina. Schaeffer JM. **Exp Eye Res** 1980 Apr;30(4):431–7
Topographical model of the renal vascular dopamine receptor. Erhardt PW. **J Pharm Sci** 1980 Sep;69(9):1059–61
Brain dopamine receptor densities in schizophrenics [letter] Iversen LL, et al. **Lancet** 1981 Jul 18;2(8238):149
Dopamine receptors in post-mortem schizophrenic brains [letter] Reynolds GP. **Lancet** 1981 Jun 6;1(8232):1261
Dopamine receptors in post-mortem schizophrenic brains [letter] Seeman P. **Lancet** 1981 May 16;1(8229):1103
Inhibitory and excitatory effects of dopamine on carotid chemoreceptors. Lahiri S, et al. **Neurosci Lett** 1980 Dec; 20(3):313–8
[Monoaminergic neurons of monkey retina (author's transl)] Akagi Y, et al. **Nippon Ganka Gakkai Zasshi** 1980 Aug; 84(8):771–80 (Eng. Abstr.) **(Jpn)**
[Impressions from the 12th CINP Congress (Collegium Internationale Neuro-Psychopharmacologicum) (author's transl)] Peričić D. **Lijec Vjesn** 1981;102(12):710–14 (Eng. Abstr.) **(Scr)**

DRUG EFFECTS

Behavioural effects of drugs acting on the central dopaminergic neurons. Georgiev V, et al. **Act Nerv Super (Praha)** 1979 Jul;Suppl 2:335–6
Growth hormone and prolactin secretion in liver cirrhosis: evidence for dopaminergic dysfunction. Borzio M, et al. **Acta Endocrinol (Copenh)** 1981 Aug;97(4):441–7
Inhibition of luteinizing hormone release by dopamine infusion in healthy women and in various pathophysiological conditions. Ferrari C, et al. **Acta Endocrinol (Copenh)** 1981 Aug;97(4):436–40
Dopaminergic and adrenergic effects on plasma LH levels in rats with hypothalamic islands. van Dieten JA, et al. **Acta Endocrinol (Copenh)** 1981;97(3):289–96
Further observations on vesicourethral dopamine receptors--a urodynamic study with haloperidol. Vaidyanathan S, et al. **Ann Clin Res** 1980 Apr;12(2):49–51
Dopamine receptor stimulating activity of 5-hydroxy-6-methyl-2-aminotetralin derivatives. Verimer T, et al. **Arch Int Pharmacodyn Ther** 1981 Apr; 250(2):221–41
A comparison of the responses to some dopamine-receptor agonists and antagonists in the isolated perfused rat kidney.

Woodman OL, et al. **Arch Int Pharmacodyn Ther** 1980 Dec; 248(2):203–11

Antagonism of dopamine supersensitivity by estrogen: neurochemical studies in an animal model of tardive dyskinesia. Gordon JH, et al. **Biol Psychiatry** 1981 Apr; 16(4):365–71

Disrupted latent inhibition in the rat with chronic amphetamine or haloperidol-induced supersensitivity: relationship to schizophrenic attention disorder. Solomon PR, et al. **Biol Psychiatry** 1981 Jun;16(6):519–37

3,4-dihydroxyphenylacetic acid (DOPAC) and the rat mesolimbic dopaminergic pathway: drug effects and evidence for somatodendritic mechanisms. Beart PM, et al. **Br J Pharmacol** 1980 Jun;69(2):241–7

Evidence for an inhibitory presynaptic component of neuroleptic drug action. de Belleroche JS, et al. **Br J Pharmacol** 1981 Mar;72(3):427–33

Midbrain dopamine neurons: differential responses to amphetamine isomers. Browder S, et al. **Brain Res** 1981 Mar 2;207(2):333–42

In vivo voltammetric investigations into the action of HA-966 on central dopaminergic neurons. Mos J, et al. **Brain Res** 1981 Mar 2;207(2):465–70

Sodium-dependent interaction of benzamides with dopamine receptors. Stefanini E, et al. **Brain Res** 1980 Sep 29; 198(1):229–33

Effect of kainic acid on striatal dopamine receptors. Weinreich P, et al. **Brain Res** 1980 Oct 6;198(2):491–6

Stimulation of peripheral dopamine receptors in rats: a mechanism for novel antihypertensive agents. Lefèvre-Borg F, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:291s–294s

Detection of dopaminergic supersensitivity induced by neuroleptic drugs in mice. Yen-Koo HC, et al. **Drug Chem Toxicol** 1980;3(2):237–47

Chloroethylnorapomorphine, a proposed long-acting dopamine antagonist: interactions with dopamine receptors of mammalian forebrain in vitro. Baldessarini RJ, et al. **Eur J Pharmacol** 1980 Oct 3;67(1):105–10

Repeated tricyclic antidepressants induce a progressive 'switch' in the electrophysiological response of dopamine neurons to autoreceptor stimulation. Chiodo LA, et al. **Eur J Pharmacol** 1980 Aug 29;66(2–3):255–6

Differential sensitivity to neuroleptic drugs of cerebral dopamine receptors following chronic treatment of rats with trifluoperazine. Dawbarn D, et al. **Eur J Pharmacol** 1981 May 8;71(2–3):233–45

Glycine enhancement of caudate neuronal activities: relationship with the dopaminergic nigrostriatal pathway. Finnerty EP, et al. **Eur J Pharmacol** 1980 Oct 31; 67(4):477–9

Action of dextroamphetamine on dopamine sensitive cells in the snail brain. Hancock JC, et al. **Eur J Pharmacol** 1981 May 8;71(2–3):201–9

Dopamine receptor blockade by imidoline and its proposed active conformation. Koe BK, et al. **Eur J Pharmacol** 1980 Nov 21;68(2):139–46

Kainate lesion dissociates striatal dopamine receptor radioligand binding sites. Leff S, et al. **Eur J Pharmacol** 1981 Mar 5;70(1):71–5

REM sleep deprivation induces subsensitivity of dopamine receptors mediating sedation in rats. Serra G, et al. **Eur J Pharmacol** 1981 Jun 10;72(1):131–5

Involvement of both dopaminergic and alpha-adrenergic receptors in the hypomotility induced by dibenzoyl-6,7-ADTN. Sumners C, et al. **Eur J Pharmacol** 1981 Apr 9;70(4):541–50

Preliminary evidence that a dopamine receptor antagonist blocks the prolactin-inhibitory effects of melatonin in anosmic male rats. Blask DE, et al. **Experientia** 1980 Aug 15;36(8):1008–9

The effect of some neurotropic drugs on neuroleptic hypersensitivity of dopamine receptors in the central nervous system. Yonchev V, et al. **Folia Med (Plovdiv)** 1980;22(1):5–10

Renal vascular activity of SK&F 38393 and dopamine in anesthetized dogs. Hahn RA, et al. **J Cardiovasc Pharmacol** 1980 Sep–Oct;2(5):583–93

Pharmacological characterization of renal vascular dopamine receptors. Schmidt M, et al. **J Cardiovasc Pharmacol** 1980 Sep–Oct;2(5):595–605

The dopamine radioreceptor assay--a clinical application. Kurland AA, et al. **J Clin Pharmacol** 1980 Oct;20(10):553–9

A comparison of dopamine receptor blocking assay with plasma drug levels of haloperidol in schizophrenic patients. Kurland AA, et al. **J Clin Pharmacol** 1981 Jan;21(1):42–7

Synthesis and pharmacological evaluation of sulfonium analogues of dopamine: nonclassical dopamine agonists. Anderson K, et al. **J Med Chem** 1981 Jun;24(6):683–7

Proposed dopaminergic pharmacophore of lergotrile, pergolide, and related ergot alkaloid derivatives. Cannon JG, et al. **J Med Chem** 1981 Mar;24(3):238–40

Monophenolic 2-(dipropylamino)indans and related compounds: central dopamine-receptor stimulating activity. Hacksell U, et al. **J Med Chem** 1981 Apr; 24(4):429–34

6-(Phenylthio)-substituted 2,3,4,5-tetrahydro-1H-3-benzazepines, a novel class of dopamine receptor antagonists and neuroleptics. Kaiser C, et al. **J Med Chem** 1980 Sep;23(9):975–6

Separation of potent central and renal dopamine agonist activity in substituted 6-chloro-2,3,4,5-tetrahydro-7,8-dihydroxy-1-phenyl-1H Weinstock J, et al. **J Med Chem** 1980 Sep;23(9):973–5

The effect of catecholamine receptor antagonists on ethanol-induced locomotor stimulation. Liljequist S, et al. **J Neural Transm** 1981;50(1):57–67

The effect of injections of dopaminergic agonists into the caudate nucleus on the electrocorticogram of the rat. Keane PE, et al. **J Neurosci Res** 1981;6(2):237–41

Pre- and postsynaptic striatal dopamine receptors: differential sensitivity to apomorphine inhibition of [3H]dopamine and [14C]GABA release in vitro. Brase DA. **J Pharm Pharmacol** 1980 Jun;32(6):432–3

Differential actions of substituted benzamides on pre- and postsynaptic dopamine receptor mechanisms in the nucleus accumbens. Costall B, et al. **J Pharm Pharmacol** 1980 Aug; 32(8):594–6

On the ability of N-chloroethyl aporphine derivatives to cause irreversible inhibition of dopamine receptor mechanisms. Costall B, et al. **J Pharm Pharmacol** 1980 Aug; 32(8):571–6

The dopamine receptor antagonist domperidone is also a competitive antagonist at alpha 1-adrenoceptors. Ennis C, et al. **J Pharm Pharmacol** 1980 Jun;32(6):434–5

Effect of GABAergic drugs on dopamine catabolism in the nigrostriatal and mesolimbic dopaminergic pathways of the rat. Gundlach AL, et al. **J Pharm Pharmacol** 1981 Jan; 33(1):41–3

Lithium effects on haloperidol-induced pre- and postsynaptic dopamine receptor supersensitivity. Verimer T, et al. **J Pharm Pharmacol** 1980 Sep;32(9):665–6

Presynaptic dopamine receptor stimulation in the cardiovascular actions of lergotrile. Barrett RJ, et al. **J Pharmacol Exp Ther** 1981 Jun;217(3):660–5

Blood pressure lowering effects of N,N-di-n-propyl-dopamine in rats: evidence for stimulation of peripheral dopamine receptors leading to inhibition of sympathetic vascular tone. Cavero I, et al. **J Pharmacol Exp Ther** 1981 Aug;218(2):515–24

Pharmacological studies of a novel dopamine-sensitive receptor mediating burst-firing inhibition of neurosecretory cell R 15 in Aplysia californica. Gospe SM Jr, et al. **J Pharmacol Exp Ther** 1981 Feb;216(2):368–77

Presynaptic effects of 2-aminotetralins on striatal dopaminergic neurons. Hoffmann IS, et al. **J Pharmacol Exp Ther** 1980 Nov;215(2):486–93

Presynaptic modulation of the release of dopamine from the rabbit caudate nucleus: differences between electrical stimulation, amphetamine and tyramine. Kamal LA, et al. **J Pharmacol Exp Ther** 1981 Mar;216(3):592–8

Pimozide: delayed onset of action at rat striatal pre- and postsynaptic dopamine receptors. McMillen BA, et al. **J Pharmacol Exp Ther** 1980 Oct;215(1):150–5

The interaction of lisuride, an ergot derivative, with serotonergic and dopaminergic receptors in rabbit brain. Rosenfeld MR, et al. **J Pharmacol Exp Ther** 1981 Mar; 216(3):526–31

Dopamine receptor blocking activity of sulpiride in the canine exocrine pancreas. Satoh Y, et al. **Jpn J Pharmacol** 1980 Oct;30(5):689–99

Preliminary observations on the interaction of domperidone with peripheral dopamine receptors. Willems JL, et al. **Jpn J Pharmacol** 1981 Feb;31(1):131–3

Aldosterone and dopamine receptors in the kidney: sites for pharmacologic manipulation of renal function. Adam WR. **Kidney Int** 1980 Nov;18(5):623–35

Prolonged dopamine receptor blockade in rats after termination of long-term depot fluphenazine [letter] Waddington JL, et al. **Lancet** 1981 Jun 20;1(8234):1375–6

DPI, a supposed selective agonist of inhibitory dopamine receptors, strongly increases rat diuresis through alpha-adrenergic receptor activation. Baggio G, et al. **Life Sci** 1981 Mar 30;28(13):1449–56

Reduction of food intake by piribedil in the rat: relation to dopamine receptor stimulation. Carruba MO, et al. **Life Sci** 1980 Sep 29;27(13):1131–40

During one year's neuroleptic treatment in rats striatal dopamine receptor blockade decreases but serum prolactin levels remain elevated. Dyer RG, et al. **Life Sci** 1981 Jan 12;28(2):167–74

Morphine acts through alpha adrenergic and serotoninergic neurons to stimulate growth hormone secretion in the dog. Farris TS, et al. **Life Sci** 1980 Oct 6;27(14):1345–9

3-PPP, a new centrally acting DA-receptor agonist with selectivity for autoreceptors. Hjorth S, et al. **Life Sci** 1981 Mar 16;28(11):1225–38

Effect of 3-PPP, a putative dopamine autoreceptor agonist, on rat serum prolactin levels. Meltzer HY, et al. **Life Sci** 1981 Jul 6;29(1):99–105

The effect of cyclo (Leu-Gly) on chemical denervation supersensitivity of dopamine receptors induced by intracerebroventricular injection of 6-hydroxydopamine in mice. Ritzmann RF, et al. **Life Sci** 1980 Dec 1; 27(22):2075–80

Repeated tricyclics induce a progressive dopamine autoreceptor subsensitivity independent of daily drug treatment. Chiodo LA, et al. **Nature** 1980 Oct 2; 287(5781):451–4

Behavioural effects and supersensitivity following nigral dopamine receptor stimulation. Kozlowski MR, et al. **Nature** 1980 Sep 4;287(5777):52–4

Evidence that LY-141865 specifically stimulates the D-2 dopamine receptor. Tsuruta K, et al. **Nature** 1981 Jul 30; 292(5822):463–5

The role of presynaptic receptors in the cardiovascular actions of N,N-di-n-propyldopamine in the cat and dog. Massingham R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Oct; 314(1):17–28

Physiological evidence for the existence of prolactin releasing factor: stress-induced prolactin secretion is not linked to dopaminergic receptors. Shin SH. **Neuroendocrinology** 1980 Dec;31(6):375–9

Neuroleptic malignant syndrome: a pathogenetic role for dopamine receptor blockade? Henderson VW, et al. **Neurology (NY)** 1981 Feb;31(2):132–7

Neuroleptic-induced acute dystonic reactions may be due to enhanced dopamine release on to supersensitive postsynaptic receptors. Kolbe H, et al. **Neurology (NY)** 1981 Apr;31(4):434–9

Transient abolition of generalized photosensitive epileptic discharge in humans by apomorphine, a dopamine-receptor agonist. Quesney LF, et al. **Neurology (NY)** 1980 Nov; 30(11):1169–74

Characterization of the striatal dopamine receptor supersensitivity produced by estrogen treatment of male rats. Hruska RE, et al. **Neuropharmacology** 1980 Sep; 19(9):923–6

Blink rates and receptor supersensitivity. Karson CN, et al. **Neuropharmacology** 1981 Jan;20(1):91–3

Influence of a chronic new potential antidepressant, 1-[3-(dimethylamino)propyl]-5-methyl-3-phenyl-1H-ind and its N-desmethylated compound(FS97): treatment on monoaminergic receptor sensitivity in the rat brain. Koide T, et al. **Neuropharmacology** 1981 Mar;20(3):285–92

Actions of tetrahydronorharmane (tetrahydro-beta-carboline) on 5-hydroxytryptamine and dopamine mediated mechanisms. Pannier L, et al. **Neuropharmacology** 1981 Jan;20(1):1–8

Inhibition of neuroleptic-induced dopamine receptor supersensitivity by cyclo (Leu-Gly). Bhargava HN, et al. **Pharmacol Biochem Behav** 1980 Nov;13(5):633–6

Post-swim grooming in mice inhibited by dopamine receptor antagonists and by cannabinoids. Chesher GB, et al. **Pharmacol Biochem Behav** 1980 Sep;13(3):479–81

Stereotypy and striatal dopamine receptor changes with l-alpha-acetylmethadol (LAAM). Langley AE, et al. **Pharmacol Biochem Behav** 1981 May;14(5):753–6

Evidence for dopamine mediation of submissive gestures in the stumptail macaque monkey. Schlemmer RF Jr, et al. **Pharmacol Biochem Behav** 1981;14 Suppl 1:95–102

The lack of affinity of prostaglandins to dopaminergic and opiate receptors in the rat striatum. Członkowski A, et al. **Pol J Pharmacol Pharm** 1980;32(5):639–41

Effect of combined treatment with dopaminergic and GABA-ergic drugs on the threshold for maximal electroconvulsions in mice. Czuczwar SJ. **Pol J Pharmacol Pharm** 1981 Jan–Feb;33(1):25–35

Effect of combined GABA-ergic and dopaminergic stimulation on the action of some antiepileptic drugs in pentetrazol-induced convulsions. Kleinrok Z, et al. **Pol J Pharmacol Pharm** 1981 Jan–Feb;33(1):13–23

Does neuroleptic blocking of dopamine receptors continue after chronic treatment? Belmaker RH, et al. **Prog Biochem Pharmacol** 1980;16:109–18

Effects of electroconvulsive treatment on growth hormone secretion induced by monoamine receptor agonists in reserpine-pretreated rats. Balldin J, et al. **Psychoneuroendocrinology** 1980 Dec;5(4):329–37

Repeated antidepressant treatments induce a long-lasting dopamine autoreceptor subsensitivity: is daily treatment necessary for clinical efficacy? [proceedings] Antelman SM, et al. **Psychopharmacol Bull** 1981 Jan;17(1):92–4

The use of bromocriptine for testing central dopaminergic reactivity. Allain H, et al. **Psychopharmacology (Berlin)** 1980;70(3):313–5

Effects of lisuride on body temperature of rats and rabbits: relation to microsomal biotransformation and dopaminergic receptor stimulation. Carruba MO, et al. **Psychopharmacology (Berlin)** 1980;70(3):223–9

Brain locations controlling the behavioral effects of chronic amphetamine intoxication. Hitzemann R, et al. **Psychopharmacology (Berlin)** 1980;72(1):93–101

Long-term d-amphetamine in rats: lack of change in post-synaptic dopamine receptor sensitivity. Jackson DM, et al. **Psychopharmacology (Berlin)** 1981;73(3):276–80

Effect of chronic amphetamine administration on central dopaminergic mechanisms in the vervet. Owen F, et al. **Psychopharmacology (Berlin)** 1981;74(3):213–6

Metoclopramide: antipsychotic efficacy of a drug lacking potency in receptor models. Stanley M, et al. **Psychopharmacology (Berlin)** 1980;71(3):219–25

Effects of specific dopamine lesions and dopamine receptor sensitivity on angiotensin II- and carbachol-induced thirst in rats. Sumners C, et al. **Psychopharmacology (Berlin)** 1981; 73(2):180–3

Extinction and dopamine receptor blockade after intermittent reinforcement training: failure to observe functional equivalence. Tombaugh TN, et al. **Psychopharmacology (Berlin)** 1980;70(1):19–28

Neuroleptic properties of cis-N-(1-benzyl-2-methylpyrrolidin-3-yl)-5-chloro-2-m (YM-09151-2) with selective antidopaminergic activity. Usuda S, et al. **Psychopharmacology (Berlin)** 1981; 73(2):103–9

Neurochemical and behavioral evidence for a selective presynaptic dopamine receptor agonist. Goodale DP, et al. **Science** 1980 Dec 5;210(4474):1141–3

The effects of acrylamide treatment upon the dopamine receptor. Agrawal AK, et al. **Toxicol Appl Pharmacol** 1981 Mar 30;58(1):89–99

Effects of acrylamide given during gestation on dopamine receptor binding in rat pups. Agrawal AK, et al. **Toxicol Lett** 1981 Jan;7(3):233–8

3,4,3',4'–Tetrachlorobiphenyl given to mice prenatally produces long–term decreases in striatal dopamine and receptor binding sites in the caudate nucleus. Agrawal AK, et al. **Toxicol Lett** 1981 Mar;7(6):417–24

Effects of dopaminoceptor agonists and antagonists on the rat vas deferens 'in vitro'. Tayo FM. **West Afr J Pharmacol Drug Res** 1979;5(1):45–53

[Interrelationship of the tranquilizers diazepam and lonetil with dopamine mediation in the central nervous system] Ovcharov R, et al. **Eksp Med Morfol** 1981;20(2):88–96 (Eng. Abstr.) **(Bul)**

[Effects of chlorpromazine on dopaminergic receptor functions in rat brain––difference of the response of several dopaminergic systems after chronic administration (author's transl)] Kaneno S. **Seishin Shinkeigaku Zasshi** 1980 Jun;82(6):335–52 (Eng. Abstr.) **(Jpn)**

[Effect of structural analogs of gamma–aminobutyric acid on serotonin– and dopaminergic mechanisms] Nurmand LB, et al. **Farmakol Toksikol** 1980 May–Jun;43(3):288–91 (Eng. Abstr.) **(Rus)**

[Supersensitivity of isolated rat vas deferens to dopamine in animals pretreated wit reserpine and haloperidol (author's transl)] Alloza JL, et al. **Arch Farmacol Toxicol** 1980 Aug; 6(2):119–30 (Eng. Abstr.) **(Spa)**

ISOLATION & PURIFICATION

Peripheral dopamine receptor identification: properties of a specific dopamine receptor in the rat adrenal zona glomerulosa. Dunn MG, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1081–7

Solubilization of neuroleptic/dopamine receptors of human brain striatum. Davis A, et al. **Eur J Pharmacol** 1981 Mar 26;70(3):321–9

METABOLISM

Receptors acting through adenylate cyclase in the CNS. Wollemann M. **Acta Physiol Acad Sci Hung** 1980; 55(4):299–304 (21 ref.)

Localization of GABA and dopamine receptor sites in retinal glial cells using DL–alpha–aminoadipic acid. Memo M, et al. **Adv Biochem Psychopharmacol** 1981;26:41–51

Dopamine receptors, neuroleptics, and schizophrenia. Snyder SH. **Am J Psychiatry** 1981 Apr;138(4):460–4

Effects of dopaminergic agonists and antagonists on [3H]apomorphine binding to striatal membranes: sulpiride lack of interactions with positive cooperative [3H]apomorphine binding. Fujita N, et al. **Brain Res** 1980 Oct 20;199(2):335–42

The relationship between loss of dopamine nerve terminals, striatal [3H]spiroperidol binding and rotational behavior in unilaterally 6–hydroxydopamine–lesioned rats. Heikkila RE, et al. **Brain Res** 1981 May 4;211(2):285–92

Puberty of female rats may in part be explained by decreased hypothalamic dopamine receptor sensitivity. Lamberts R, et al. **Brain Res** 1981 Jun 29;215(1–2):375–81

Central dopaminergic neurons during development of genetic and DOCA–salt hypertension in the rat. Le Fur G, et al. **Brain Res** 1981 Apr;227(2):153–63

Parkinson's disease: low density and presynaptic location of D3 dopamine receptors. Lee T, et al. **Brain Res** 1981 May 18;212(2):494–8

Chronic lead treatment induces in rat a specific and differential effect on dopamine receptors in different brain areas. Lucchi L, et al. **Brain Res** 1981 Jun 1;213(2):397–404

Aging process affects a single class of dopamine receptors. Memo M, et al. **Brain Res** 1980 Dec 8;202(2):488–92

Supersensitivity in rat caudate nucleus: effects of 6–hydroxydopamine on the time course of dopamine receptor and cyclic AMP changes. Mishra RK, et al. **Brain Res** 1980 Oct 27;200(1):47–57

[3H]Spiperone binding sites in brain: autoradiographic localization of multiple receptors. Palacios JM, et al. **Brain Res** 1981 Jun 1;213(2):277–89

Differential functional ontogeny of dopamine presynaptic receptor regulation. Shalaby IA, et al. **Brain Res** 1981 Jun; 227(3):434–9

Dopamine receptor changes following destruction of the nigrostriatal pathway: lack of a relationship to rotational behavior. Staunton DA, et al. **Brain Res** 1981 May 4; 211(2):315–27

Ligand–binding and pharmacological studies on dopamine and octopamine receptors in the heart of the bivalve mollusc, Tapes watlingi. de Rome PJ, et al. **Comp Biochem Physiol [C]** 1980;67C(1):9–16

Stimulation of a D–2 dopamine receptor in the intermediate lobe of the rat pituitary gland decreases the responsiveness of the beta–adrenoceptor: biochemical mechanism. Cote TE, et al. **Endocrinology** 1981 Feb;108(2):420–6

A dopaminergic binding site in the high speed supernatant of steer anterior pituitary homogenates. Kerdelhue B, et al. **Endocrinology** 1981 Jul;109(1):307–9

The dopamine receptor in the intermediate lobe of the rat pituitary gland: pharmacological characterization. Munemura M, et al. **Endocrinology** 1980 Dec; 107(6):1676–83

Dopamine receptor binding in bovine intermediate lobe pituitary membranes. Sibley DR, et al. **Endocrinology** 1980 Nov;107(5):1405–9

In vivo [3H]spiperone binding to the rat hippocampal formation: involvement of dopamine receptors. Bischoff S, et al. **Eur J Pharmacol** 1980 Dec 5;68(3):305–15

Kainic acid lesions dissociate [3H] spiperone and [3H]cis–flupenthixol binding sites in rat striatum. Cross AJ, et al. **Eur J Pharmacol** 1981 May 8;71(2–3):327–32

Increased dopamine receptor binding in the striatum of rats after long–term isolation. Guisado E, et al. **Eur J Pharmacol** 1980 Aug 8;65(4):463–4

Hypophysectomy prevents the striatal dopamine receptor supersensitivity produced by chronic haloperidol treatment. Hruska RE, et al. **Eur J Pharmacol** 1980 Aug 8;65(4):455–6

Differentiation of solubilized dopamine receptors from spirodecanone binding sites in rat striatum. Gorissen H, et al. **FEBS Lett** 1980 Nov 17;121(1):133–8

Dopamine receptors: subtypes, localization and regulation. Creese I, et al. **Fed Proc** 1981 Feb;40(2):147–52 (44 ref.)

Responses of luteinizing hormone, follicle–stimulating hormone, and prolactin to prolonged administration of the dopamine antagonist in normal women and women with low–weight amenorrhea. Larsen S. **Fertil Steril** 1981 Jun; 35(6):642–6

Characterization, solubilization, and separation of two distinct dopamine receptors in canine caudate nucleus. Nishikori K, et al. **J Biol Chem** 1980 Nov 25; 255(22):10909–15

Dopaminergic receptors in human prolactin–secreting adenomas: a quantitative study. Bression D, et al. **J Clin Endocrinol Metab** 1980 Nov;51(5):1037–44

Prolactin response as an index of dopaminergic receptor function in Parkinson's disease. Correlation with clinical findings and therapeutic response. Agnoli A, et al. **J Neural Transm** 1981;51(1–2):123–34

Characterization of normal and supersensitive dopamine receptors: effects of ergot drugs and neuropeptides. Fuxe K, et al. **J Neural Transm** 1981;51(1–2):3–37

The effects of lisuride and some other dopaminergic agonists on receptor binding in human brain. Reynolds GP, et al. **J Neural Transm** 1981;51(1–2):107–11

Dopamine receptors in the Parkinsonian brain. Rinne UK, et al. **J Neural Transm** 1981;51(1–2):97–106

On the mechanism of the antiparkinsonian action of 1–DOPA and bromocriptine: a theoretical and experimental analysis of dopamine receptor sub– and supersensitivity. Agnati LF, et al. **J Neural Transm [Suppl]** 1980;(16):69–81 (24 ref.)

Dopamine receptor supersensitivity in the corpus striatum following chronic elevation of brain gamma–aminobutyric acid. Ferkany JW, et al. **J Neurochem** 1980 Jan;34(1):247–9

Optimal conditions for [3H]apomorphine binding and anomalous equilibrium binding of [3H]apomorphine and [3H]spiperone to rat striatal membranes: involvement of surface phenomena versus multiple binding sites. Leysen JE, et al. **J Neurochem** 1981 Jan;36(1):201–19

Dopamine receptors in subcellular fractions from bovine caudate: enrichment of [3H]spiperone binding in a postsynaptic membrane fraction. Near JA, et al. **J Neurochem** 1981 Mar;36(3):1142–51

Dopamine metabolism and receptor function after acute and chronic ethanol. Reggiani A, et al. **J Neurochem** 1980 Jul; 35(1):34–7

Interactions of neuroleptic metabolites with dopaminergic, alpha adrenergic and muscarinic cholinergic receptors. Bylund DB. **J Pharmacol Exp Ther** 1981 Apr;217(1):81–6

Sex steroids interact with dopamine at the hypothalamic and pituitary levels to modulate prolactin secretion. Labrie F, et al. **J Steroid Biochem** 1980 Jan;12:323–30

Characterization with 3H–haloperidol of the dopamine receptor in the rat kidney particulate preparation. Nakajima T, et al. **Jpn J Pharmacol** 1980 Dec;30(6):891–8

Dopamine receptors and schizophrenia: drug effect or illness? [letter] Mackay AV, et al. **Lancet** 1980 Oct 25;2(8200):915–6

Dopamine receptors and schizophrenia: drug effect or illness [letter] Reynolds GP, et al. **Lancet** 1980 Dec 6;2(8206):1251

Dopamine receptors in rat frontal cortex: pharmacological properties in vivo and in vitro. Bacopoulos NG, et al. **Life Sci** 1980 Dec 22–29;27(25–26):2489–94

Similarities between the binding of 3H–piflutixol and 3H–flupentixol to rat striatal dopamine receptors in vitro. Hyttel J. **Life Sci** 1981 Feb 2;28(5):563–9

An enhanced sensitivity of muscarinic cholinergic receptor associated with dopaminergic receptor subsensitivity after chronic antidepressant treatment. Koide T, et al. **Life Sci** 1981 Mar 9;28(10):1139–45

Effect of age on adrenergic and dopaminergic receptor binding in rat brain. Misra CH, et al. **Life Sci** 1980 Aug 11;27(6):521–6

Effect of long–term L–dopa administration on the dopaminergic and cholinergic (muscarinic) receptors of striatum in 6–hydroxydopamine lesioned rats. Suga M. **Life Sci** 1980 Sep 8;27(10):877–82

Chronic neuroleptic treatment specifically alters the number of dopamine receptors in rat brain. Theodorou A, et al. **Life Sci** 1981 Apr 6;28(14):1621–7

3H–apomorphine labels both dopamine postsynaptic receptors and autoreceptors. Sokoloff P, et al. **Nature** 1980 Nov 20;288(5788):283–6

Three classes of dopamine receptor (D–2, D–3, D–4) identified by binding studies with 3H–apomorphine and 3H–domperidone. Sokoloff P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980;315(2):89–102

Sodium–dependent interaction of benzamides with dopamine receptors in rat and dog anterior pituitary glands. Stefanini E, et al. **Neuroendocrinology** 1981 Feb;32(2):103–7

Binding of [3H]sulpiride to purified rat striatal synaptic membranes. Woodruff GN, et al. **Neuroscience** 1981; 6(3):407–10

Effect of L–prolyl–L–leucyl–glycinamide (PLG) on neuroleptic–induced catalepsy and dopamine/neuroleptic receptor bindings. Chiu S, et al. **Peptides (Fayetteville)** 1981 Spring;2(1):105–11

Chronic administration of haloperidol during development: later psychopharmacological responses to apomorphine and arecoline. Shalaby IA, et al. **Pharmacol Biochem Behav** 1980 Nov;13(5):685–90

Tonic immobility in domestic fowl: possible interaction of serotonergic and dopaminergic mechanisms. Wallnau LB, et al. **Pharmacol Biochem Behav** 1981 Apr;14(4):469–73

Dopamine receptor binding in inbred mice: strain differences in mesolimbic and nigrostriatal dopamine binding sites. Boehme RE, et al. **Proc Natl Acad Sci USA** 1981 May; 78(5):3255–9

Interaction of pergolide with central dopaminergic receptors. Goldstein M, et al. **Proc Natl Acad Sci USA** 1980 Jun; 77(6):3725–8

Resolution of dopamine and serotonin receptor components of [3H]spiperone binding to rat brain regions. List SJ, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2620–4

3H–Flupenthixol binding in post–mortem brains of schizophrenics: evidence for a selective increase in dopamine D2 receptors. Cross AJ, et al. **Psychopharmacology (Berlin)** 1981;74(2):122–4

Binding affinity of levomepromazine and two of its major metabolites of central dopamine and alpha–adrenergic receptors in the rat. Dahl SG, et al. **Psychopharmacology (Berlin)** 1981;74(2):101–4

Binding of [3H]pergolide mesylate to dopamine receptors of mammalian brains. Wong DT, et al. **Res Commun Chem Pathol Pharmacol** 1980 Nov; 30(2):195–210

Histochemical changes of brain dopamine in an acute stage of cerebral ischemia in gerbils. Ahagon A, et al. **Stroke** 1980 Nov–Dec;11(6):622–8

Modulation of tardive dyskinesia by estrogen: neurochemical studies in an animal model. Gordon JH, et al. **Trans Am Neurol Assoc** 1979;104:97–100

[Dopaminergic receptors on lymphocytes in idiopathic Parkinson's disease (author's transl)] Le Fur G, et al. **Rev Neurol (Paris)** 1981;137(2):89–96 (Eng. Abstr.) **(Fre)**

[Regulation of the dopaminergic mechanisms responsible for prolactin synthesis] Pazzi A, et al. **G Clin Med** 1980 Jul; 61(7):525–9 (11 ref.) (Eng. Abstr.) **(Ita)**

[Anterior pituitary LH–RH receptor (author's transl)] Ogawa N, et al. **Horumon To Rinsho** 1980 Aug;28(8):889–97 **(Jpn)**

[Problem of neuronal reception and the dopamine hypothesis of schizophrenia] Lideman RR, et al. **Zh Nevropatol Psikhiatr** 1980;80(5):762–9 (104 ref.) **(Rus)**

PHYSIOLOGY

Interaction of cholinergic and dopaminergic influences on yawning behavior. Holmgren B, et al. **Acta Neurobiol Exp (Warsz)** 1980;40(3):633–42

The pharmacology of catecholamine involvement in the neural mechanisms of reward. Wauquier A. **Acta Neurobiol Exp (Warsz)** 1980;40(3):665–86

Electroconvulsive therapy and receptor sensitivity. Modigh K, et al. **Acta Psychiatr Scand [Suppl]** 1981;63(Suppl 290):91–9

Dopamine and the pathophysiology of dyskinesias induced by antipsychotic drugs. Baldessarini RJ, et al. **Annu Rev Neurosci** 1980;3:23–41 (100 ref.)

Modifications of the dopaminergic receptors sensitivity and learning of normoxic or hypobaric hypoxic rats. Saligaut C, et al. **Arch Int Pharmacodyn Ther** 1981 May;251(1):80–7

Dopamine receptor alterations with aging in mouse and rat corpus striatum. Marquis JK, et al. **Biochem Pharmacol** 1981 Jul 1;30(13):1876–8

Effects of dopaminergic receptor stimulation and opioid receptor blockade on GH incretion: preliminary findings. Ghisoli E, et al. **Boll Soc Ital Biol Sper** 1980 Jun 30; 56(12):1222–5

Morphine dependence and dopaminergic activity: tests of circling responses in rats with unilateral nigral lesions. Halliwell JV, et al. **Br J Pharmacol** 1980 Dec;70(4):545–54

Muscarinic–dopaminergic synergism on retinal cyclic AMP formation. Brown JH, et al. **Brain Res** 1981 Jun 29; 215(1–2):388–92

Is normoreninemic essential hypertension caused by disordered central dopaminergic regulation? Ogihara T, et al. **Clin Exp Hypertens** 1980;2(1):89–97

Gonadotropin–releasing hormone surge: possible modulation through postsynaptic alpha–adrenoreceptors and two pharmacologically distinct dopamine receptors. Sarkar DK, et al. **Endocrinology** 1981 Mar;108(3):862–7

Involvement of dopamine in circling responses to muscimol depends on intranigral site of injection. Kilpatrick IC, et

al. **Eur J Pharmacol** 1981 Feb 19;69(4):407–19
Involvement of noradrenergic and dopaminergic neurons in shock-induced jumping in rats. Nishikawa T, et al. **Eur J Pharmacol** 1981 May 22;71(4):429–36
Effects of dobutamine on cyclic AMP accumulation induced by the stimulation of dopamine receptors in rabbit retina in vitro. Forster A, et al. **Experientia** 1980 Sep 15; 36(9):1108–10
Effects of apomorphine and pimozide on temperature regulation during exercise in the rat. Gisolfi CV, et al. **J Appl Physiol** 1980 Sep;49(3):363–6
Effect of sleep deprivation on dopamine receptor function in normal subjects. Lal S, et al. **J Neural Transm** 1981; 50(1):39–45
Development of alpha-noradrenergic and Dopaminergic receptor systems depends on maturation of their presynaptic nerve terminals in the rat brain. Deskin R, et al. **J Neurochem** 1981 May;36(5):1683–90
Physiological significance of dopamine autoreceptors as studied following their selective blockade by molindone. Alander T, et al. **J Pharm Pharmacol** 1980 Nov; 32(11):780–2
Evidence for thermoregulatory dopaminergic receptors located in the preopticus medialis nucleus of the rat hypothalamus. Colboc O, et al. **J Pharm Pharmacol** 1980 Sep;32(9):624–9
Multiple receptors for brain dopamine in behavior regulation: concept of dopamine-E and dopamine-I receptors. Cools AR, et al. **Life Sci** 1980 Oct 6;27(14):1237–53 (136 ref.)
The hypotheses of different dopamine receptor mechanisms. Costall B, et al. **Life Sci** 1981 Jan 19;28(3):215–29 (112 ref.)
Neostriatal dopamine receptor loss and behavioral deficits in the senescent rat. Cubells JF, et al. **Life Sci** 1981 Mar 16;28(11):1215–8
Mesocortical dopamine neurons. Lack of autoreceptors modulating dopamine synthesis. Bannon MJ, et al. **Mol Pharmacol** 1981 Mar;19(2):270–5
Characterization of dopaminergic receptors in dispersed bovine parathyroid cells. Brown EM, et al. **Mol Pharmacol** 1980 Nov;18(3):335–40
The Yawning elicited by alpha-melanocyte-stimulating hormone involves serotonergic-dopaminergic-cholinergic neuron link in rats. Yamada K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Apr; 316(2):155–60
Central nervous system and pituitary mechanisms in dopaminergic stimulation of growth hormone release in women. Ferrari C, et al. **Neuroendocrinology** 1981 Apr; 32(4):213–6
Modulation of striatal cyclic nucleotide phosphodieterase by calmodulin: regulation by opiate and dopamine receptor activation. Hanbauer I, et al. **Neuropharmacology** 1979 Nov; 18(11):859–64
Changes in soluble calmodulin following activation of dopamine receptors in rat striatal slices. Hanbauer I, et al. **Neuropharmacology** 1979 Nov;18(11):851–7
Response of striatonigral substance P systems to a dopamine receptor agonist and antagonist. Hanson G, et al. **Neuropharmacology** 1981 Jun;20(6):541–8
Gonadectomy attenuates turning behavior produced by electrical stimulation of the nigrostriatal dopamine system in female but not male rats. Robinson TE, et al. **Neurosci Lett** 1981 May 6;23(2):203–8
Relationship between functional supersensitivity and extent of denervation of dopamine receptors. Waddington JL. **Physiol Behav** 1981 Apr;26(4):627–9
Neuronal links in the CNS: focus on dopaminergic and serotonergic regulation of striatal cholinergic neurons. Garattini S, et al. **Pol J Pharmacol Pharm** 1980 Mar–Apr; 32(2):155–64
Dopaminergic Modulation of renin activity and aldosterone and prolactin secretion in the spontaneously hypertensive rat. Sowers JR, et al. **Proc Soc Exp Biol Med** 1980 Sep; 164(4):598–603
Hormones, dopamine receptors and schizophrenia. Meltzer HY, et al. **Psychoneuroendocrinology** 1981;6(1):17–36
Dopaminergic and GABAergic aspects of tardive dyskinesia [proceedings] Casey DE, et al. **Psychopharmacol Bull** 1981 Jan;17(1):49–50
The effects of electroconvulsive shock on the discriminative stimulus properties of d-amphetamine and apomorphine: evidence for dopamine receptor alteration subsequent ECS. White DK, et al. **Psychopharmacology (Berlin)** 1981; 73(3):211–4
Peripheral dopaminergic receptors. Physiological and pharmaceutical aspects of therapeutic importance. van Rooyen JM, et al. **S Afr Med J** 1981 Mar 7;59(10):329–32 (59 ref.)
Electroconvulsive shock: progressive dopamine autoreceptor subsensitivity independent of repeated treatment. Chiodo LA, et al. **Science** 1980 Nov 14;210(4471):799–801
[Relation between dopamine and serotonin motor effects on isolated rat duodenum. Possible participation of an excitatory dopaminergic receptor] Miachon S, et al. **Arch Int Physiol Biochim** 1980 Aug;88(3):241–54 (Eng. Abstr.) **(Fre)**
[Stereospecificity of hypothalamo-hypophysial dopamine receptors involved in the control of prolactin secretion in normal man: effects of sulpiride stereoisomers] Benfenati F, et al. **Boll Soc Ital Biol Sper** 1980 Jun 30;56(12):1226–32 (Eng. Abstr.) **(Ita)**
[Neurophysiologic and pharmacologic evidence of autoregulationin the nigrostriatal system] Arushanian EB, et al. **Biull Eksp Biol Med** 1981 Feb;91(2):133–6 (Eng. Abstr.) **(Rus)**
[Role of dopamine receptors in regulating glutamatergic synaptic transmission in the rat neostriatum] Godukhin OV, et al. **Fiziol Zh SSSR** 1981 Mar;67(3):384–9 (Eng. Abstr.) **(Rus)**

RECEPTORS, DRUG

Drug-receptor reactions. Norman J. **Br J Anaesth** 1979 Jul; 51(7):595–601
Two receptor forms for ouabain in sarcolemma-enriched preparations from canine ventricle. Wellsmith NV, et al. **Circ Res** 1980 Nov;47(5):710–20
Molecular sizes of benzodiazepine receptors and the interacting GABA receptors in the membrane are identical. Chang LR, et al. **FEBS Lett** 1981 Apr 20;126(2):309–12
A new receptor nomenclature. Martin WR. **Life Sci** 1981 Apr 6;28(14):1555–7
Magic bullets [news] Davies T. **Nature** 1981 Jan 1; 289(5793):12–3

ANALYSIS

Iron transferrin receptors in rat and human cerebrum. Angelova-Gateva P. **Agressologie** 1980;21(1):27–30
The use of thioproperazine, a phenothiazine derivative, as a ligand for neuroleptic receptors--I. In vitro studies. Blanchard JC, et al. **Biochem Pharmacol** 1980 Nov 1; 29(21):2933–8
The use of thioproperazine, a phenothiazine derivative, as a ligand for neuroleptic receptors--II. In vivo studies. Boireau A, et al. **Biochem Pharmacol** 1980 Nov 1; 29(21):2939–42
Competitive binding studies with multiple sites. Effects arising from depletion of the free radioligand. Wells JW, et al. **Biochim Biophys Acta** 1980 Oct 15;632(3):464–9
Decreased receptor-binding sites for kainic acid in brains of patients with Huntington's disease. London ED, et al. **Biol Psychiatry** 1981 Feb;16(2):155–62
Evidence in support of the P1/P2 purinoceptor hypothesis in the guinea-pig taenia coli. Brown CM, et al. **Br J Pharmacol** 1981 Jul;73(3):617–24
Audiogenic seizures: increased benzodiazepin receptor binding in a susceptible strain of mice. Robertson HA. **Eur J Pharmacol** 1980 Aug 29;66(2–3):249–52
Increased benzodiazepine receptor number elicited in vitro by a novel purine, EMD 28422. Skolnick P, et al. **Eur J Pharmacol** 1980 Oct 17;67(2–3):179–86
Tissue binding of antimicrobial agents in vitro: a critical study focusing on the concentration of the tissue homogenate used. Gerber A, et al. **Infection** 1980;8 Suppl 3:S 276–9
Brain benzodiazepine receptor changes during ageing [letter] Memo M, et al. **J Pharm Pharmacol** 1981 Jan;33(1):64
A minibead method to study cell surface receptors for various proteins coupled to latex particles. Takahashi K, et al. **J Ultrastruct Res** 1981 May;75(2):205–17
Identification of mineralocorticoid target sites in the isolated rabbit cortical nephron. Marver D, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3672–6
Autoradiographic localization of benzodiazepine receptors in immunocytochemically identified gamma-aminobutyrergic synapses. Möhler H, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1935–8
Demonstration of two new endogenous 'benzodiazepine-like' compounds from brain. Marangos PJ, et al. **Psychiatry Res** 1979 Oct;1(2):121–30
Benzodiazepine receptors in animal models of cerebellar degeneration. Bresolin N, et al. **Trans Am Neurol Assoc** 1979;104:198–200

BLOOD

Improvement of the parallel flow dialysis technique for the detection of drug-binding proteins in column effluents. Miura K, et al. **J Chromatogr** 1981 Jun 19;210(3):461–7

DRUG EFFECTS

Demonstration and characterization of an endogenous inhibitor of GABA-enhanced [3H]-diazepam binding from bovine cerebral cortex. Paul S, et al. **Adv Biochem Psychopharmacol** 1981;26:103–10
Receptor and membrane function in the alcohol tolerant/dependent animal. Hoffman PL, et al. **Adv Exp Med Biol** 1980;132:761–70
Bronchial irritant receptors and a possible new action for cromolyn sodium. Harries MG. **Ann Allergy** 1981 Mar; 46(3):156–8
Quantum chemical studies on molecular determinants for drug action. Weinstein H, et al. **Ann NY Acad Sci** 1981; 367:434–51
Receptor adaptations to centrally acting drugs. Creese I, et al. **Annu Rev Pharmacol Toxicol** 1981;21:357–91 (235 ref.)
Benzodiazepine receptors. Braestrup C, et al. **Arzneimittelforsch** 1980;30(5a):852–7
Avermectin B1a: an irreversible activator of the gamma-aminobutyric acid-benzodiazepine-chloride-ionophore receptor complex. Paul SM, et al. **Biochem Biophys Res Commun** 1980 Sep 30;96(2):632–8
Interaction of depressant, convulsant, and anticonvulsant barbiturates with the [3H]diazepam binding site of the benzodiazepine-GABA-receptor-ionophore complex. Ticku MK. **Biochem Pharmacol** 1981 Jun 15;30(12):1573–9
Bases for the design of pharmacological effectors acting on plasma membrane receptors. Gosálvez M. **Biochem Soc Trans** 1981 Feb;9(1):151–2
The benzodiazepine--GABA--chloride ionophore receptor complex: common site of minor tranquilizer action. Paul SM, et al. **Biol Psychiatry** 1981 Mar;16(3):213–29
Purine receptors in the trachea: is there a receptor for ATP? Christie J, et al. **Br J Pharmacol** 1980 Dec;70(4):512–4
Kainic acid-induced lesion of rat retina: differential effect on cyclic GMP and benzodiazepine and GABA receptors. Guarneri P, et al. **Brain Res** 1981 Mar 23;209(1):216–20
Opiate and digitalis receptor assays distinguish between neuroexcitant and inactive organochlorines and between anesthetics and convulsants. Labella FS. **Brain Res** 1981 Aug 24;219(1):166–71
GABA benzodiazepine and histamine-H1 receptors in the guinea pig cerebellum: effects of kainic acid injections studied by autoradiographic methods. Palacios JM, et al. **Brain Res** 1981 Jun 9;214(1):155–62
gamma-Aminobutyric acid regulation of the benzodiazepine receptor: biochemical evidence for pharmacologically different effects of benzodiazepines and propyl beta-carboline-3-carboxylate. Ehlert FJ, et al. **Eur J Pharmacol** 1981 Apr 9;70(4):593–5
Effects of equilibration time on the attainment of equilibrium between antagonists and drug receptors. Kenakin TP. **Eur J Pharmacol** 1980 Sep 5;66(4):295–306
Increase of benzodiazepine binding to the membranes isolated in the presence of diazepam. Korneyev AY, et al. **Eur J Pharmacol** 1981 Apr 24;71(1):127–30
Tolerance during chronic benzodiazepine treatment associated with decreased receptor binding. Rosenberg HC, et al. **Eur J Pharmacol** 1981 Apr 9;70(4):453–60
Benzodiazepine receptor increase following repeated pentylenetetrazole injections. Syapin PJ, et al. **Eur J Pharmacol** 1981 Jun 10;72(1):117–20
Indomethacin inhibits the cellular receptor-dependent processing of low density lipoproteins; cyclic nucleotides have no effect. Schonfeld G, et al. **J Clin Endocrinol Metab** 1980 Sep;51(3):662–8
Corticosteroids block binding of chemotactic peptide to its receptor on granulocytes and cause disaggregation of granulocyte aggregates in vitro. Skubitz KM, et al. **J Clin Invest** 1981 Jul;68(1):13–20
In vitro antagonism of benzodiazepine binding to cerebral receptors by H1 and H2 antihistamines. Speeg KV Jr, et al. **J Lab Clin Med** 1981 Jan;97(1):112–2
In vitro modulation by avermectin B1a of the GABA/benzodiazepine receptor complex of rat cerebellum. Supavilai P, et al. **J Neurochem** 1981 Mar; 36(3):798–803
Antagonism of benzodiazepine receptors by beta carbolines. O'Brien RA, et al. **Life Sci** 1981 Jul 6;29(1):75–82
Ethyl beta-carboline carboxylate lowers seizure threshold and antagonizes flurazepam-induced sedation in rats. Cowen PJ, et al. **Nature** 1981 Mar 5;290(5801):54–5
Selective antagonists of benzodiazepines. Hunkeler W, et al. **Nature** 1981 Apr 9;290(5806):514–6
Similarity of teleocidin B and phorbol ester tumour promoters in effects on membrane receptors. Umezawa K, et al. **Nature** 1981 Apr 2;290(5805):411–3
1-Methyl-beta-carboline (harmane), a potent endogenous inhibitor of benzodiazepine receptor binding. Rommelspacher H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Oct; 314(1):97–100
Retinal benzodiazepine receptors are destroyed by kainic acid lesions. Willow M, et al. **Neurosci Lett** 1980 Nov; 20(2):147–52
Dissimilar effects of nicotinamide and inosine, putative endogenous ligands of the benzodiazepine receptors, on pentylenetetrazol seizures in four strains of mice. Lapin IP. **Pharmacol Biochem Behav** 1980 Sep;13(3):337–41
On the neuropharmacology of harmane and other beta-carbolines. Müller WE, et al. **Pharmacol Biochem Behav** 1981 May;14(5):693–9
Histidine modification with diethyl pyrocarbonate shows heterogeneity of benzodiazepine receptors. Burch TP, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3945–9
Platelet-derived growth factor stimulates activity of low density lipoprotein receptors. Chait A, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4084–8
A reformulation of the dual-action model of opioid dependence: opioid-specific neuronal kindling [proceedings] Villarreal JE, et al. **Psychopharmacol Bull** 1981 Jan;17(1):56–8
Interaction between purine and benzodiazepine: Inosine reverses diazepam-induced stimulation of mouse exploratory behavior. Crawley JN, et al. **Science** 1981 Feb 13;211(4483):725–7
Pentobarbital: dual actions to increase brain benzodiazepine receptor affinity. Skolnick P, et al. **Science** 1981 Mar 27; 211(4489):1448–50
[Pharmacological and toxicological aspects of benzodiazepine compounds (author's transl)] Kapp W. **Anaesth Intensivther Notfallmed** 1981 Jun;16(3):125–7 (Eng. Abstr.) **(Ger)**
[The effect of muscle relaxants under general anesthesia. A 'transient-state concept' of muscle relaxant-receptor interaction] Schuh FT. **Fortschr Med** 1981 Jun 11;

99(22):869–73 (Eng. Abstr.) **(Ger)**
[Membrane receptors and drug effects] Pöch G. **Med Klin** 1980 Oct 24;75(22):778–83 **(Ger)**
[Bronchial receptor sensitivity to acetylcholine and histamine in bronchial asthma in children] Golikova TM, et al. **Pediatriia** 1980 Jul;(7):32–4 (Eng. Abstr.) **(Rus)**

GENETICS

Ferric citrate transport in Escherichia coli requires outer membrane receptor protein fecA. Wagegg W, et al. **J Bacteriol** 1981 Jan;145(1):156–63
Regulatory gene product of the Ah complex. Comparison of 2,3,7,8–tetrachlorodibenzo–p–dioxin and 3–methylcholanthrene binding to several moieties in mouse liver cytosol. Hannah RR, et al. **J Biol Chem** 1981 May 10;256(9):4584–90
Cultured mouse embryos metabolize benzo[a]pyrene during early gestation: genetic differences detectable by sister chromatid exchange. Galloway SM, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3524–8
Genetics of cell surface receptors for bioactive polypeptides: binding of epidermal growth factor is associated with the presence of human chromosome 7 in human–mouse cell hybrids. Shimizu N, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3600–4

IMMUNOLOGY

Further studies of the human platelet receptor for quinine– and quinine–dependent antibodies. Kunicki TJ, et al. **J Immunol** 1981 Feb;126(2):398–402

ISOLATION & PURIFICATION

Isolation and characterization of normal rat kidney cell membrane proteins with affinity for transferrin. Fernandez–Pol JA, et al. **Biochemistry** 1980 Aug 19; 19(17):3904–12
Reticulocyte membrane transferrin receptors. Ecarot–Charrier B, et al. **Can J Biochem** 1980 May; 58(5):418–26
Purification of phenytoin–binding site from the brain. Imazawa M, et al. **Folia Psychiatr Neurol Jpn** 1980; 34(3):362
Fertilization in brown algae. III. Preliminary characterization of putative gamete receptors from eggs and sperm of Fucus serratus. Bolwell GP, et al. **J Cell Sci** 1980 Jun;43:209–24
Solubilization of the picrotoxinin binding receptor from mammalian brain. Davis WC, et al. **J Neurochem** 1981 Apr; 36(4):1572–9
gamma–Aminobutyric acid and benzodiazepine receptors: copurification and characterization. Gavish M, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1939–42
Receptor structure in the bacterial sensing system. Wang EA, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7157–61
The intrinsic factor receptor is present in the ileum of gastrectomized rats. Gräsbeck R, et al. **Scand J Gastroenterol** 1980;15(4):449–52

METABOLISM

Electronic and lipophilic interactions of macrolides (leucomycin derivatives) with ribosomal receptor sites. Mager PP. **Acta Histochem (Jena)** 1980;66(1):40–3
LDL receptor studies in term and pre–term infants: Measurement of sterol synthesis in cord blood lymphocytes. Andersen GE, et al. **Acta Paediatr Scand** 1980 Sep; 69(5):577–80
GABA and benzodiazepine receptors. **Adv Biochem Psychopharmacol** 1981;26:1–303
beta–Carboline–3–carboxylates and benzodiazepine receptors. Braestrup C, et al. **Adv Biochem Psychopharmacol** 1981;26:147–55
Neuronal receptor sites for kainic acid: correlations with neurotoxicity. Coyle JT, et al. **Adv Biochem Psychopharmacol** 1981;27:337–46 (26 ref.)
GABA and benzodiazepine receptors. Studies on their localization in the hippocampus and their interaction with central dopamine neurons in the rat brain. Fuxe K, et al. **Adv Biochem Psychopharmacol** 1981;26:61–76 (29 ref.)
Positron tomography. A new method for in vivo brain studies of benzodiazepine, in animal and in man. Mazière M, et al. **Adv Biochem Psychopharmacol** 1981;26:273–86
Benzodiazepine receptors: autoradiographical and immunocytochemical evidence for their localization in regions of GABAergic synaptic contacts. Möhler H, et al. **Adv Biochem Psychopharmacol** 1981;26:139–46
Radiohistochemical studies of benzodiazepine and GABA receptors and their interactions. Palacios JM, et al. **Adv Biochem Psychopharmacol** 1981;26:53–60
GABA receptor associated drug receptors. Sieghart W, et al. **Adv Biochem Psychopharmacol** 1981;26:121–8 (16 ref.)
Neuronal localization of benzodiazepine receptors in the murine cerebellum. Speth RC, et al. **Adv Biochem Psychopharmacol** 1981;26:27–39
GABA receptors regulate the affinities of anions required for brain specific benzodiazepine binding. Squires RF. **Adv Biochem Psychopharmacol** 1981;26:129–38 (24 ref.)
Benzodiazepine binding sites: properties and modulation. Tallman JF, et al. **Adv Biochem Psychopharmacol** 1981; 26:9–18 (48 ref.)
Calculation of binding isotherms when ligand and receptor are in different volumes of distribution. Selikson M, et al. **Anal Biochem** 1980 Oct;108(1):64–71
Reduced glycine receptor in the spinal cord in amyotrophic lateral sclerosis. Hayashi H, et al. **Ann Neurol** 1981 Mar; 9(3):292–4
Biochemistry of sensing and adaptation in a simple bacterial system. Koshland DE Jr. **Annu Rev Biochem** 1981; 50:765–82 (86 ref.)
Sequestration of the chloroquine receptor in cell–free preparations of erythrocytes infected with Plasmodium berghei. Fitch CD, et al. **Antimicrob Agents Chemother** 1981 Apr;19(4):589–92
Ouabain receptor in isolated adult dog heart myocytes. Onji T, et al. **Arch Biochem Biophys** 1981 Mar;207(1):148–56
A rapid method for measuring drug enrichment in epidermis. Artuc M, et al. **Arch Dermatol Res** 1980;268(2):129–40
Epidermal growth factor receptors on corneal endothelium. Fabricant RN, et al. **Arch Ophthalmol** 1981 Feb;99(2):305–8
Two types of scorpion neurotoxins characterized by their binding to two separate receptor sites on rat brain synaptosomes. Jover E, et al. **Biochem Biophys Res Commun** 1980 Aug 29;95(4):1607–14
Studies of the internalization of vitamin D3 metabolites by cultured osteogenic sarcoma cells and their application to a non–chromatographic cytoreceptor assay for 1,25–dihydroxyvitamin D3. Manolagas SC, et al. **Biochem Biophys Res Commun** 1980 Jul 31;95(2):596–602
The role of extra–hepatic tissues in the receptor–mediated plasma clearance of glycoproteins terminated by mannose or N–acetylglucosamine. Schlesinger PH, et al. **Biochem J** 1980 Nov 15;192(2):597–606
Extraction of a [3H]benzamil binding component from kidney cell membranes. Edwardson JM, et al. **Biochem Pharmacol** 1981 Jun 1;30(11):1185–9
Cardiac glycoside receptor, (Na+ + K+)–ATPase activity and force of contraction in rat heart. Erdmann E, et al. **Biochem Pharmacol** 1980 Dec;29(24):3219–29
Directed entry of hybrid proteins into cells via alternative receptors. Neville DM Jr, et al. **Biochem Soc Trans** 1980 Dec;8(6):692–3
Receptor binding of cholesterol–induced high–density lipoproteins containing predominantly apoprotein E to cultured fibroblasts with mutations at the low–density lipoprotein receptor locus. Innerarity TL, et al. **Biochemistry** 1980 Sep 2;19(18):4359–65
Temperature dependence of beta receptor, adenosine receptor, and sodium fluoride stimulated adenylate cyclase from turkey erythrocytes. Rimon G, et al. **Biochemistry** 1980 Sep 16;19(19):4451–60
Interaction of the hepatic receptor protein for 2,3,7,8–tetrachlorodibenzo–rho–dioxin with DNA. Carlstedt–Duke JM, et al. **Biochim Biophys Acta** 1981 Jan 21;672(2):131–41
Trypsin–induced masking of tetrodotoxin receptor of the sodium channels in mollusc neurons. Chemeris NK, et al. **Biochim Biophys Acta** 1980 July;599(2):731–5
Inverse relationship of protein concentration and binding activity of alpha–galactoside receptors from sugarcane membranes. Kenfield DS, et al. **Biochim Biophys Acta** 1980 Aug 14;600(3):705–12
Identification of a 32–34–kilodalton polypeptide as a herbicide receptor protein in photosystem II. Mullet JE, et al. **Biochim Biophys Acta** 1981 Apr 13;635(2):236–48
Kinetics of activation and desensitization in receptor proteins. Kanehisa MI. **Biopolymers** 1981 Apr;20(4):787–801
The distribution of adrenoceptors and other drug receptors between the two ends of the rat vas deferens as revealed by selective agonists and antagonists. MacDonald A, et al. **Br J Pharmacol** 1980;71(2):445–58
Identification of a purine (P2) receptor linked to ion transport in a cultured renal (MDCK) epithelium. Simmons NL. **Br J Pharmacol** 1981 Jun;73(2):379–84
Benzodiazepine and GABA receptors in the rat retina: effect of light and dark adaptation. Biggio G, et al. **Brain Res** 1981 Jul 6;216(1):210–4
Amino–acid transmitter receptor binding in synaptic membranes from normal and vitamin B12 deficient fruit bats. Brennan MJ, et al. **Brain Res** 1981 Aug 24; 219(1):186–9
Autoradiographic localization of specific kainic acid binding sites in pigeon and rat cerebellum. Henke H, et al. **Brain Res** 1981 Aug 24;219(1):95–105
Benzodiazepine receptors: the effect of GABA on their characteristics in human brain and their alteration in Huntington's disease. Reisine TD, et al. **Brain Res** 1980 Oct 13;199(1):79–88
Solubilization and properties of a benzodiazepine receptor from calf cortex. Sherman–Gold R, et al. **Brain Res** 1980 Oct 6;198(2):485–90
The insensitivity of developing benzodiazepine receptors to chronic treatment with diazepam, GABA and muscimol in brain cell cultures. Shibla DB, et al. **Brain Res** 1981 Apr 6;210(1–2):471–4
Interaction of stereoisomers of barbiturates with [3H]alpha–dihydropicrotoxinin binding sites. Ticku MK. **Brain Res** 1981 Apr 27;211(1):127–33
The benzodiazepine receptor: the pharmacology of emotion. Robertson HA. **Can J Neurol Sci** 1980 Aug;7(3):243–5 (19 ref.)
Pharmacological study of adenosine and related compounds on isolated guinea pig trachea: evidence for more than one type of purine receptor. Jones TR, et al. **Can J Physiol Pharmacol** 1980 Nov;58(11):1356–65
Characterization of specific binding of [3H]phorbol 12,13–dibutyrate and [3H]phorbol 12–myristate 13–acetate to mouse brain. Dunphy WG, et al. **Cancer Res** 1980 Oct; 40(10):3635–41
Characterization of phorbol ester receptors and their down–modulation in GH4C1 rat pituitary cells. Jaken S, et al. **Cancer Res** 1981 Jun;41(6):2175–81
Variation with embryonic development and regional localization of specific [3H]phorbol 12,13–dibutyrate binding to brain. Nagle DS, et al. **Cancer Res** 1981 Jan; 41(1):89–93
The galactose–specific recognition system of mammalian liver: the route of ligand internalization in rat hepatocytes. Wall DA, et al. **Cell** 1980 Aug;21(1):79–93
Interaction of peptido–aminobenzophenones with benzodiazepine receptors. Fujimoto M, et al. **Chem Pharm Bull (Tokyo)** 1980 May;28(5):1374–7
Digoxin 'receptors' in neonates: an explanation of less sensitivity to digoxin than in adults. Kearin M, et al. **Clin Pharmacol Ther** 1980 Sep;28(3):346–9
Demonstration by a rosette–forming technique of surface receptors for low–density lipoproteins on lymphoblastoid cells. Valente AJ, et al. **Clin Sci** 1980 Oct;59(4):265–73
Sarcoma growth factor: specific binding to and elution from membrane receptors for epidermal growth factor. De Larco JE, et al. **Cold Spring Harbor Symp Quant Biol** 1980; 44(Pt 1):643–9
Interactions of insulin–like growth factors I and II and multiplication–stimulating activity with receptors and serum carrier proteins. Rechler MM, et al. **Endocrinology** 1980 Nov;107(5):1451–9
Reversible binding of the chemoattractant folic acid to cells of Dictyostelium discoideum. Wurster B, et al. **Eur J Biochem** 1980 Aug;109(2):613–8
Interaction of anticonvulsants with the barbiturate–benzodiazepine–GABA receptor complex. Leeb–Lundberg F, et al. **Eur J Pharmacol** 1981 Jun 10; 72(1):125–9
The [3H]5–HT and [3H]spiroperidol binding sites in the rat frontal cortex and thermally inactivated at different rates. Poller D, et al. **Eur J Pharmacol** 1981 Jun 10;72(1):121–3
Harmaline–induced tremor: the benzodiazepine receptor as a site of action. Robertson HA. **Eur J Pharmacol** 1980 Oct 3;67(1):129–32
Specific high–affinity saturable binding of [3H] R05–4864 to benzodiazepine binding sites in the rat cerebral cortex. Schoemaker H, et al. **Eur J Pharmacol** 1981 Apr 24; 71(1):173–5
'Brain–specific' benzodiazepine receptors are localized in the inner plexiform layer of rat retina. Skolnick P, et al. **Eur J Pharmacol** 1980 Aug 22;66(1):133–6
Action of pyrazolopyridines as modulators of [3H]flunitrazepam binding to the gaba/benzodiazepine receptor complex of the cerebellum. Supavilai P, et al. **Eur J Pharmacol** 1981 Mar 12;70(2):183–93
Heterogeneity of benzodiazepine receptors in rat cerebellum and hippocampus. Supavilai P, et al. **Eur J Pharmacol** 1980 May 30;64(1):91–3
Evidence that ethanol and pentobarbital enhance [3H]diazepam binding at the benzodiazepine–GABA receptor–ionophore complex indirectly. Ticku MK, et al. **Eur J Pharmacol** 1981 May 22;71(4):521–2
Correlation of receptors for growth factors on mouse embryonal carcinoma cells with growth in serum–free, hormone–supplemented medium. Salomon DS. **Exp Cell Res** 1980 Aug;128(2):311–21
Receptors for hyaluronate on the surface of parent and virus–transformed cell lines: binding and aggregation studies. Underhill CB, et al. **Exp Cell Res** 1981 Feb; 131(2):419–23
Comparison of dihydrodiazepam enantiomers: metabolism, serum binding and brain receptor binding. Tegyey Z, et al. **Experientia** 1980 Sep 15;36(9):1031–2
Na+ independent binding of [3H] muscimol to a membrane fraction of the brains of normal and dwarf mice. Varga V, et al. **Experientia** 1981 Jun;37(6):594–5
Some characteristics of the neutrophil receptor for chemotactic peptides. Schiffmann E, et al. **FEBS Lett** 1980 Aug 11;117(1):1–7
WHHL–rabbit: a low density lipoprotein receptor–deficient animal model for familial hypercholesterolemia. Tanzawa K, et al. **FEBS Lett** 1980 Aug 25;118(1):81–4
Purines as endogenous ligands of the benzodiazepine receptor. Skolnick P, et al. **Fed Proc** 1980 Oct; 39(12):3050–55 (26 ref.)
The benzodiazepine receptor of mammalian brain. Speth RC, et al. **Fed Proc** 1980 Oct;39(12):3032–8 (71 ref.)
Characterization of receptor–mediated catecholamine activation of rat brain cortical Na+–K+–ATPase. Wu PH, et al. **Int J Biochem** 1980;12(3):353–9
Identification of specific high density lipoprotein–binding sites in rat testis and regulation of binding by human chorionic gonadotropin. Chen YD, et al. **J Biol Chem** 1980 Oct 10;255(19):9162–7
Evidence that the effects of thrombin on arachidonate metabolism in cultured human endothelial cells are not mediated by a high affinity receptor. Lollar P, et al. **J Biol Chem** 1980 Sep 10;255(17):8031–4
Temperature–dependent cytosol–to–nucleus translocation of the Ah receptor for 2,3,7,8–tetrachlorodibenzo–p–dioxin in continuous cell culture lines. Okey AB, et al. **J Biol Chem** 1980 Dec 10;255(23):11415–22

Affinity labeling of the digitalis receptor with p-nitrophenyltriazene-ouabain, a highly specific alkylating agent. Rossi B, et al. **J Biol Chem** 1980 Oct 25; 255(20):9936-41

Inhibition of epidermal growth factor binding to mouse embryonal carcinoma cells by phorbol esters mediated by specific phorbol ester receptors. Salomon DS. **J Biol Chem** 1981 Aug 10;256(15):7958-66

Difficulties in the quantification of asialoglycoprotein receptors on the rat hepatocyte. Schwartz AL, et al. **J Biol Chem** 1980 Oct 10;255(19):9033-6

Functional segregation of hepatic receptors for asialoglycoproteins during endocytosis. Stockert RJ, et al. **J Biol Chem** 1980 Oct 10;255(19):9028-9

Fibroblast receptor for cell-substratum adhesion: studies on the interaction of baby hamster kidney cells with latex beads coated by cold insoluble globulin (plasma fibronectin). Grinnell F. **J Cell Biol** 1980 Jul;86(1):104-12

Immunoregulatory plasma low density lipoprotein: the biologic activity and receptor-binding specificity is independent of neutral lipids. Curtiss LK, et al. **J Immunol** 1981 Mar;126(3):1008-12

[3H]Propyl beta-carboline-3-carboxylate as a selective radioligand for the BZ1 benzodiazepine receptor subclass. Braestrup C, et al. **J Neurochem** 1981 Aug;37(2):333-41

Identification and distribution of neuroleptic binding sites in the rat spinal cord. Demenge P, et al. **J Neurochem** 1981 Jul;37(1):53-9

High affinity l-[3h]glutamate binding to postsynaptic receptor sites on rat cerebellar membranes. Foster AC, et al. **J Neurochem** 1978 Dec;31(6):1467-77

Muscimol uptake, release and binding in rat brain slices. Johnston GA, et al. **J Neurochem** 1978 Dec;31(6):1519-23

Distribution of specific high-affinity binding sites for [3H]imipramine in human brain. Langer SZ, et al. **J Neurochem** 1981 Aug;37(2):267-71

Decreased benzodiazepine receptor density in rat cerebellum following neurotoxic doses of phenytoin. Mimaki T, et al. **J Neurochem** 1980 Dec;35(6):1473-5

[3H]propyl beta-carboline-3-carboxylate binds specifically to brain benzodiazepine receptors. Nielsen M, et al. **J Neurochem** 1981 Jan;36(1):276-85

GABA-benzodiazepine-barbiturate receptor interactions. Olsen RW. **J Neurochem** 1981 Jul;37(1):1-13 (146 ref.)

Ontogeny of receptor binding sites for [3H]glutamic acid and [3H]kainic acid in the rat cerebellum. Slevin JT, et al. **J Neurochem** 1981 Aug;37(2):531-3

Benzodiazepine receptors on primary cultures of mouse astrocytes. Tardy M, et al. **J Neurochem** 1981 Apr; 36(4):1587-9

Heterogeneity of benzodiazepine receptors in the central nervous system demonstrated with kenazepine, an alkylating benzodiazepine. Williams EF, et al. **J Neurochem** 1980 Sep;35(3):591-7

[3H]Diazepam binding in mammalian central nervous system: a pharmacological characterization. Gallager DW, et al. **J Neurosci** 1981 Feb;1(2):218-25

Characterization of benzodiazepine and gamma-aminobutyric recognition sites and their endogenous modulators. Massotti M, et al. **J Neurosci** 1981 Apr;1(4):409-18

Canrenone as a partial agonist at the digitalis receptor site of sodium-potassium-activated adenosine triphosphatase. Finotti P, et al. **J Pharmacol Exp Ther** 1981 Jun; 217(3):784-90

Identification of two benzodiazepine binding sites on cells cultured from rat cerebral cortex. McCarthy KD, et al. **J Pharmacol Exp Ther** 1981 Jan;216(1):183-91

Reductions in retinal gamma-aminobutyric acid (GABA) content and in [3H]flunitrazepam binding after postnatal monosodium glutamate injections in rats. Regan JW, et al. **J Pharmacol Exp Ther** 1981 Sep;218(3):791-6

Benzodiazepine receptors are coupled to a subpopulation of gamma-aminobutyric acid (GABA) receptors: evidence from a quantitative autoradiographic study. Unnerstall JR, et al. **J Pharmacol Exp Ther** 1981 Sep;218(3):797-804

Multiple benzodiazepine receptor localization by light microscopic radiohistochemistry. Young WS 3d, et al. **J Pharmacol Exp Ther** 1981 Feb;216(2):425-30

Computerized graphic methods for determining dissociation constants of agonists, partial agonists, and competitive antagonists in isolated smooth muscle preparations. Zaborowsky BR, et al. **J Pharmacol Methods** 1980 Sep; 4(2):165-78

Chemotactic deactivation of human neutrophils: relationship to loss of cytotaxin receptor function and temporal nature of the phenomenon. Nelson RD, et al. **J Reticuloendothel Soc** 1980 Sep;28(3):285-94

Brain benzodiazepine receptors and their rapid changes after seizures in the Mongolian gerbil. Asano T, et al. **Jpn J Pharmacol** 1980 Dec;30(6):783-8

Increase in glutamate receptors following repetitive electrical stimulation in hippocampal slices. Baudry M, et al. **Life Sci** 1980 Jul 28;27(4):325-30

Benzodiazepine receptor loss in brains of mice after chronic alcohol consumption. Freund G. **Life Sci** 1980 Sep 15; 27(11):987-92

Effect of picrotoxin on benzodiazepine receptors and GABA receptors with reference to the effect of Cl- ion. Fujimoto M, et al. **Life Sci** 1981 Feb 23;28(8):895-901

Modulation by picrotoxin and IPTBO of 3H-flunitrazepam binding to the GABA/benzodiazepine receptor complex of rat cerebellum. Karobath M, et al. **Life Sci** 1981 Jan 19;28(3):307-13

Multiple benzodiazepine receptors: evidence of dissociation between anticonflict and anticonvulsant properties by PK 8165 and PK 9084 (two quinoline derivatives). Le Fur G, et al. **Life Sci** 1981 Mar 30;28(13):1439-48

Endogenous regulators of benzodiazepine recognition sites. Massotti M, et al. **Life Sci** 1980 Sep 8;27(10):847-54

Neurotransmitter receptors-biochemistry and alterations in nueropsychiatric disorders. Olsen RW, et al. **Life Sci** 1980 Sep 8;27(10):801-8 (127 ref.)

Changes in mouse brain diazepam receptor binding after phenobarbital administration. Sonawane BR, et al. **Life Sci** 1980 Oct 6;27(14):1335-8

Properties of [3H]diazepam binding sites on rat blood platelets. Wang JK, et al. **Life Sci** 1980 Nov 17; 27(20):1881-8

Do benzodiazepines bind at adenosine uptake sites in CNS? Wu PH, et al. **Life Sci** 1981 Mar 2;28(9):1023-31

Benzodiazepine receptor: heterogeneity in rabbit brain. Yokoi I, et al. **Life Sci** 1981 Apr 6;28(14):1591-5

Cellular and molecular mechanism(s) of coronary flow regulation by adenosine. Mustafa SJ. **Mol Cell Biochem** 1980 Jun 18;31(2):67-87 (69 ref.)

Non-linear coupling between receptor occupancy and biologic effect as a requirement for a higher drug efficacy. Swillens S, et al. **Mol Cell Endocrinol** 1980 Dec; 20(3):233-42

Progesterone derivatives that bind to the digitalis receptor: structure--activity relationships. Kim RS, et al. **Mol Pharmacol** 1980 Nov;18(3):402-5

Fibrinogen is the receptor for the endogenous lectin of human platelets. Gartner TK, et al. **Nature** 1981 Feb 19; 289(5799):688-90

Benzodiazepine recognition sites on GABA receptors. Gavish M, et al. **Nature** 1980 Oct 16;287(5783):651-2

A binding site on mast cells and basophils for the anti-allergic drug cromolyn. Mazurek N, et al. **Nature** 1980 Aug 14; 286(5774):722-3

Methyltetrahydrofolate is a potent and selective agonist for kainic acid receptors. Ruck A, et al. **Nature** 1980 Oct 30; 287(5785):852-3

Specific high affinity cell membrane receptors for biologically active phorbol and ingenol esters. Shoyab M, et al. **Nature** 1980 Dec 4;288(5790):451-5

High-affinity anti-oestrogen binding site distinct from the oestrogen receptor. Sutherland RL, et al. **Nature** 1980 Nov 20;288(5788):273-5

beta-Carboline-3-carboxylic acid ethyl ester antagonizes diazepam activity. Tenen SS, et al. **Nature** 1980 Dec 11; 288(5791):609-10

Characteristics and regulation of high affinity [3H] imipramine binding to rat hippocampal membranes. Kinnier WJ, et al. **Neuropharmacology** 1981 May;20(5):411-9

GABA and benzodiazepine receptors in the offspring of dams receiving diazepam: ontogenetic studies. Massotti M, et al. **Neuropharmacology** 1980 Oct;19(10):951-6

Proconvulsant effects in baboons of beta-carboline, a putative endogenous ligand for benzodiazepine receptors. Cepeda C, et al. **Neurosci Lett** 1981 Jun 12;24(1):53-7

Pentobarbital enhances [3H]diazepam binding to soluble receptors at the benzodiazepine--GABA-receptor-ionophore complex. Davis WC, et al. **Neurosci Lett** 1981 May 6;23(2):209-13

Regional specificity of benzodiazepine receptor down-regulation during chronic treatment of rats with flurazepam. Rosenberg HC, et al. **Neurosci Lett** 1981 Jun 12;24(1):49-52

Autoradiographic localization of binding sites for [3H]gamma-aminobutyrate, [3H]muscimol,(+)[3H]bicuculline methiodide and [3H] flunitrazepam in cultures of rat cerebellum and spinal cord. Hösli E, et al. **Neuroscience** 1980;5(9):1657-65

An endogenous ligand to the benzodiazepine receptor: preliminary evaluation of its bioactivity. Davis LG, et al. **Pharmacol Biochem Behav** 1981 Jun;14(6):839-44

Increase in 3H-flunitrazepam binding in vitro and in vivo to rat brain benzodiazepine receptors by tofizopam, a 3,4-benzo-diazepine. Saano V, et al. **Pharmacol Res Commun** 1981 Jan;13(1):75-85

An overview of toxin-receptor interactions. Le Vine H, et al. **Pharmacol Ther [B]** 1981;12(1):167-207 (258 ref.)

The benzodiazepine receptor. An update. Müller WE. **Pharmacology** 1981;22(3):153-61 (63 ref.)

Identification of receptors for phorbol ester tumor promoters in intact mammalian cells and of an inhibitor of receptor binding in biologic fluids. Horowitz AD, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2315-9

Barbiturate receptor sites are coupled to benzodiazepine receptors. Leeb-Lundberg F, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7468-72

Benzodiazepines have high-affinity binding sites and induce melanogenesis in B16/C3 melanoma cells. Matthew E, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3935-9

Carbohydrate-binding component of amphibian embryo cell surfaces: restriction to surface regions capable of cell adhesion. Roberson MM, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3460-3

Prostaglandin synthesis by macrophages requires a specific receptor-ligand interaction. Rouzer CA, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4279-82

Specific receptors for phorbol esters in lymphoid cell populations: role in enhanced production of T-cell growth factor. Sando JJ, et al. **Proc Natl Acad Sci USA** 1981 Feb; 78(2):1189-93

Specific binding of phorbol ester tumor promoters to intact primary epidermal cells from Sencar mice. Solanki V, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2549-53

Localized binding of [3H]muscimol to synapses in chicken retina. Yazulla S, et al. **Proc Natl Acad Sci USA** 1981 Jan; 78(1):643-7

Studies on the properties of benzodiazepine-binding sites from calf cortex. Dudai Y, et al. **Prog Biochem Pharmacol** 1980;16:95-108

(3H)-Phencyclidine binding to specific brain receptor sites [proceedings] Zukin SR, et al. **Psychopharmacol Bull** 1980 Oct;16(4):59-62

High-affinity [3H]imipramine binding in rat hypothalamus: association with uptake of serotonin but not of norepinephrine. Langer SZ, et al. **Science** 1980 Dec 5; 210(4474):1133-5

[Pharmacological basis for drug interactions] Greeff K. **Med Welt** 1981 Feb 13;32(7):229-31 **(Ger)**

[Serotonin and D-lysergic acid diethylamide receptors in the mammalian brain] Vlasova TI, et al. **Biol Nauki** 1981; (5):5-16 (87 ref.) **(Rus)**

PHYSIOLOGY

The regulation of benzodiazepine recognition sites by endogenous modulators. Massotti M, et al. **Adv Biochem Psychopharmacol** 1981;26:19-26 (13 ref.)

Clinical implications of membrane receptor function in anesthesia. Maze M. **Anesthesiology** 1981 Aug;55(2):160-71 (100 ref.)

Presynaptic receptors. Starke K. **Annu Rev Pharmacol Toxicol** 1981;21:7-30 (182 ref.)

An advanced version of the dynamic receptor pattern generation model: the flux model. Koch AS, et al. **Biol Cybern** 1981;39(2):105-9

Benzodiazepine receptors in chick retina: development and cellular localization. Altstein M, et al. **Brain Res** 1981 Feb 9;206(1):198-202

Differentiation of kainate and quisqualate receptors in the cat spinal cord by selective antagonism with gamma-D(and L)-glutamylglycine. Davies J, et al. **Brain Res** 1981 Feb 9;206(1):172-7

Differential postendocytotic compartmentation in Xenopus oocytes is mediated by a specifically bound ligand. Opresko L, et al. **Cell** 1980 Nov;22(1 Pt 1):47-57

The receptosome: an intermediate organelle of receptor mediated endocytosis in cultured fibroblasts. Willingham MC, et al. **Cell** 1980 Aug;21(1):67-77

A theoretical model for adhesion between cells mediated by multivalent ligands. Bell GI. **Cell Biophys** 1979 Jun; 1(2):133-47

The influence of cell surface receptor clustering on the thermodynamics of ligand binding and the kinetics of its dissociation. DeLisi C, et al. **Cell Biophys** 1979 Jun; 1(2):117-31

Rat plasma lipoprotein inhibitors of lymphocyte proliferation: specific membrane receptor for very low density lipoproteins. Yi PI, et al. **Int Arch Allergy Appl Immunol** 1981;65(1):8-14

Effect of dipyridamole on sympathetic nerve function: role of adenosine and presynaptic purinergic receptors. Hom GJ, et al. **J Cardiovasc Pharmacol** 1981 Mar-Apr; 3(2):391-401

alpha 2-macroglobulin adsorbed to colloidal gold: a new probe in the study of receptor-mediated endocytosis. Dickson RB, et al. **J Cell Biol** 1981 Apr;89(1):29-34

Influence of agonists on desensitization of glutamate receptors on locust muscle. Anis NA, et al. **J Physiol (Lond)** 1981 Mar;312:345-64

Role of bronchial irritant receptors in asthma. Harries MG, et al. **Lancet** 1981 Jan 3;1(8210):5-7

Differential ontogeny of type 1 and type 2 benzodiazepine receptors. Lippa AS, et al. **Life Sci** 1981 May 21; 28(21):2343-7

The neuroendocrine control of appetite: the role of the endogenous opiates, cholecystokinin, TRH, gamma-amino-butyric-acid and the diazepam receptor. Morley JE. **Life Sci** 1980 Aug 4;27(5):355-68 (127 ref.)

Is the benzodiazepine receptor coupled to a chloride anion channel? [letter] Candy JM, et al. **Nature** 1979 Jul 12; 280(5718):172-4

The magnitude of signal amplification by ligand-induced receptor clustering. DeLisi C. **Nature** 1981 Jan 22; 289(5795):322-3

Changes in salt intake after abdominal vagotomy: evidence for hepatic sodium receptors. Contreras RJ, et al. **Physiol Behav** 1981 Apr;26(4):575-82

The possible involvement of aspartate receptors in central thermoregulation in the sheep. Silver A. **Q J Exp Physiol** 1981 Jan;66(1):39-50

New frontiers in pharmacology. Lee WC. **Yonsei Med J** 1979; 20(2):87-91

[The benzodiazepine receptor: properties and significance for pharmacology, psychiatry and neurology] Müller WE. **Med Monatsschr Pharm** 1981 Jun;4(6):174-84 **(Ger)**

RECEPTORS, ENDORPHIN

Proposals for conformation of enkephalins related to opiate mu-pharmacophore. Maigret B, et al.

Biochem Biophys Res Commun 1981 Mar 16;99(1):267–74
The George C. Cotzias Laboratory of Neuro–Oncology. Hadden JW. **Clin Bull** 1980;10(4):167–71
comparative study of opiate and enkephalin receptors on lower vertebrates and higher vertebrates. Audigier Y, et al. **Comp Biochem Physiol [C]** 1980;67C(2):191–3
A new model for the study of opiate B–receptors: isolated splenic strip of the cat. Kerecsen L, et al. **Pharmacology** 1981;22(1):8–14

ANALYSIS

Opiate binding sites in the retina: properties and distribution. Howells RD, et al. **J Pharmacol Exp Ther** 1980 Oct; 215(1):60–4
Striatal opiate receptors: pre– and postsynaptic localization. Murrin LC, et al. **Life Sci** 1980 Sep 29;27(13):1175–83
Opiate receptors in the rabbit iris. Drago F, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980;315(1):1–4
A selective distribution pattern of different opiate receptors in certain areas of rat brain as revealed by in vitro autoradiography. Duka T, et al. **Neurosci Lett** 1981 Jan 20;21(2):119–24
Opiate A and B receptors in the rat striatum. Golembiowska–Nikitin K, et al. **Pol J Pharmacol Pharm** 1980 Jan–Feb;32(1):31–6
In vitro autoradiography of opiate receptors in rat brain suggests loci of 'opiatergic' pathways. Herkenham M, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5532–6
[Tolerance to and dependence on opioids in isolated longitudinal muscle of guinea pig ileum. Validity of the muscle preparation as a receptor model for opioids (author's transl)] Kaneto H, et al. **Nippon Yakurigaku Zasshi** 1980 Sep;76(5):347–54 (Eng. Abstr.) **(Jpn)**

CLASSIFICATION

Type 1 and type 2 opiate receptor distribution in brain––what does it tell us? Pert CB. **Adv Biochem Psychopharmacol** 1981;28:117–31 (40 ref.)
Differentiation of opiate receptors in the brain by the selective development of tolerance. Schulz R, et al. **Pharmacol Biochem Behav** 1981 Jan;14(1):75–9

DRUG EFFECTS

Opiate receptors and anterior pituitary hormone secretion in man. Effect of naloxone infusion. Delitala G, et al. **Acta Endocrinol (Copenh)** 1981 Jun;97(2):150–6
Interaction of putative opioid peptides with opiate receptors. Stengaard–Pedersen K, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Jan;48(1):39–46
Opiate agonists inhibit noradrenaline release via opiate B–receptors and N–cyclopropylmethylnorazidomorphine (CAM) blocks electrically evoked contractions via histamine in the mouse vas deferens. Knoll J, et al. **Arch Int Pharmacodyn Ther** 1981 May;251(1):52–65
Enkephalin receptors in the emetic chemoreceptor trigger zone of the dog. Bhargava KP, et al. **Br J Pharmacol** 1981 Mar;72(3):471–5
Pharmacological differentiation of presynaptic inhibitory alpha–adrenoceptors and opiate receptors in the cat nictitating membrane. Dubocovich ML, et al. **Br J Pharmacol** 1980 Nov;70(3):383–93
Unexpected antagonism in the rat vas deferens by benzomorphans which are agonists in other pharmacological tests. Gillan MG, et al. **Br J Pharmacol** 1981 Jan;72(1):13–5
Opiate receptor ontogeny and morphine–induced effects: influence of chronic footshock stress in preweanling rats. Bardo MT, et al. **Brain Res** 1981 Jul;227(4):487–95
Development of acute tolerance during exposure of hippocampal explants to an opioid peptide. Gähwiler BH. **Brain Res** 1981 Jul 27;217(1):196–200
Evidence that the opiate receptors of the substantia gelatinosa contribute to the depression, by intravenous morphine, of the spinal transmission of impulses in unmyelinated primary afferents. Johnson SM, et al. **Brain Res** 1981 Feb 23; 207(1):223–8
Naloxone–reversible duplication by lanthanum of opiate analgesia effects on orofacial, lower body and central nociception. Keresztes–Nagy P, et al. **Brain Res** 1981 Mar 9;208(1):234–9
Opiate and digitalis receptor assays distinguish between neuroexcitant and inactive organochlorines and between anesthetics and convulsants. Labella FS. **Brain Res** 1981 Aug 24;219(1):166–71
ACTH1–24 blocks opiate – induced analgesia in the rat. Smock T, et al. **Brain Res** 1981 May 11;212(1):202–6
Thermoregulatory effects of (D–ala2)–methionine–enkephalinamide in the cat. Evidence for multiple naloxone–sensitive opioid receptors. Clark WG, et al. **Brain Res Bull** 1980 Jul–Aug;5(4):415–20
Periaqueductal gray neurons response to microiontophoretically injected morphine in naive and morphine–dependent rats. Schurr A, et al. **Brain Res Bull** 1981 Jun;6(6):473–8
beta–Endorphin induces general anaesthesia by an interaction with opiate receptors. Havlicek V, et al. **Can Anaesth Soc J** 1980 Nov;27(6):535–9
Absence of opiate and histamine H2 receptor–mediated effects of clonidine. Watkins J, et al. **Clin Pharmacol Ther** 1980 Nov;28(5):605–10
Codeine–induced memory changes: nature and relationship to opiate system. Liljequist R. **Eur J Clin Pharmacol** 1981; 20(2):99–107
Met–enkephalin[Arg6,Phe7] interacts with the kappa–receptors on guinea–pig ileum. Audigier Y, et al. **Eur J Pharmacol** 1980 Nov 21;68(2):237–8
Dynorphin interaction at the kappa–opiate site. Huidobro–Toro JP, et al. **Eur J Pharmacol** 1981 Jun 19; 72(2–3):265–6
The albino locus produces abnormal responses to opiates in the mouse. Katz RJ. **Eur J Pharmacol** 1980 Nov 21; 68(2):229–32
d–Propoxyphene acts differently from morphine on opioid receptor–effector mechanisms. Neil A, et al. **Eur J Pharmacol** 1981 Jan 5;69(1):33–9
Tetrahydroisoquinolines (TIQs) do not act on opiate receptors in the guinea–pig ileum. North RA, et al. **Eur J Pharmacol** 1981 May 22;71(4):489–93
The irreversible narcotic antagonistic and reversible agonistic properties of the fumaramate methyl ester derivative of naltrexone. Takemori AE, et al. **Eur J Pharmacol** 1981 Apr 9;70(4):445–51
Discriminative stimulus effects of prototype opiate receptor agonists in monkeys. Teal JJ, et al. **Eur J Pharmacol** 1980 Nov 7;68(1):1–10
Regulation of acetylcholine receptors by endogenous cotransmitters: studies of adrenal medulla. Costa E, et al. **Fed Proc** 1981 Feb;40(2):160–5
Increased pain–reactivity in rat after naloxone: role of endogenous opiate peptides. Sharma KK, et al. **Indian J Med Res** 1980 Dec;72:927–9
Locomotor activity and antinociception after putative mu, kappa and sigma opioid receptor agonists in the rat: influence of dopaminergic agonists and antagonists. Iwamoto ET. **J Pharmacol Exp Ther** 1981 May; 217(2):451–60
Pharmacological characterization of the epsilon–opiate receptor. Schulz R, et al. **J Pharmacol Exp Ther** 1981 Mar; 216(3):604–6
Actions of mu, kappa, sigma, delta and agonist/antagonist opiates on striatal dopaminergic function. Wood PL, et al. **J Pharmacol Exp Ther** 1980 Dec;215(3):697–703
The possible role of intracellular receptors in the expression of narcotic antagonist precipitated abstinence. Killian AK, et al. **Life Sci** 1981 Mar 16;28(11):1239–43
Affinity of beta–carbolines on rat brain benzodiazepine and opiate binding sites. Airaksinen MM, et al. **Med Biol** 1980 Dec;58(6):341–4
Interaction of diazosulfanilic acid and the opiate receptor: inhibition of specific binding to synaptic membranes and labeling of a membrane lipid stereospecifically protected by opioids. Law PY, et al. **Mol Pharmacol** 1981 May; 19(3):355–66
Lack of cross–tolerance on multiple opiate receptors in the mouse vas deferens. Schulz R, et al. **Mol Pharmacol** 1980 Nov;18(3):395–401
Opiate antagonist reverses the cardiovascular effects of inhalation anaesthesia. Arndt JO, et al. **Nature** 1979 Feb 1;277(5695):399–400
Met–enkephalin–Arg6–Phe7, present in high amounts in brain of rat, cattle and man, is an opioid agonist. Rossier J, et al. **Nature** 1980 Nov 6;288(5786):88–90
Chronic lithium administration alters the interaction between opiate antagonists and opiate receptors in vivo. Amir S, et al. **Neuropharmacology** 1981 Jun;20(6):587–91
Functional antagonism by calcium of an intrinsic opioid mechanism in the guinea–pig isolated ileum. Kromer W, et al. **Neuropharmacology** 1980 Sep;19(9):839–43
Effects of intrapallidal opiate receptor agonists on striatally evoked head turning. Slater P, et al. **Neuropharmacology** 1980 Nov;19(11):1153–6
Lack of postulated opiate–receptor antagonistic properties of compound 48/80. Janicki PK, et al. **Pharmacology** 1981; 22(6):359–63
The lack of affinity of prostaglandins to dopaminergic and opiate receptors in the rat striatum. Członkowski A, et al. **Pol J Pharmacol Pharm** 1980;32(5):639–41
A cyclic enkephalin analog with high in vitro opiate activity. DiMaio J, et al. **Proc Natl Acad Sci USA** 1980 Dec; 77(12):7162–6
Morphine–like peptides: their regulation in the neuroendocrine system and the effect of guanyl nucleotides and divalent ions on opiate receptor binding. Simantov R. **Prog Biochem Pharmacol** 1980;16:22–31
Structure activity and receptor binding of antagonist analgesics [[proceedings] Lewis JW, et al. **Psychopharmacol Bull** 1981 Jan;17(1):83–5
Ethanol–induced changes of dopaminergic function in three strains of mice characterized by a different population of opiate receptors. Barbaccia ML, et al. **Psychopharmacology (Berlin)** 1981;74(3):260–2
Morphiceptin (NH4–tyr–pro–phe–pro–COHN2): a potent and specific agonist for morphine (mu) receptors. Chang KJ, et al. **Science** 1981 Apr 3;212(4490):75–7
Metkephamid, a systemically active analog of methionine enkephalin with potent opioid alpha–receptor activity. Frederickson RC, et al. **Science** 1981 Feb 6;211(4482):603–5
[Opiate receptors and sleep. II. Effects of micro–injection of ethyl alcohol and pentobarbital in the median thalamus, periaqueductal gray matter and nucleus of the tractus solitarius of the rabbit (author's transl)] Tissot R. **Neuropsychobiology** 1981;7(2):74–86 (Eng. Abstr.) **(Fre)**
[In–vitro evaluation of morphine dependence. I. Response of the rat 'fundus' to ACh] Eandi M, et al. **Boll Soc Ital Biol Sper** 1979 Sep 15;55(17):1673–9 (Eng. Abstr.) **(Ita)**
[Morphine–like activity of the enkephalin analog Tyr–D–Ala–Gly–Phe–NH2] Zakusov VV, et al. **Biull Eksp Biol Med** 1981 Feb;91(2):171–3 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Solubilization of the opiate receptor. Bidlack JM, et al. **Life Sci** 1980 Jul 28;27(4):331–40
Solubilization of membrane bound opiate receptor from rat brain. Cho TM, et al. **Life Sci** 1981 Jun 8;28(23):2651–7
Opiate receptors in highly purified neuronal cell populations isolated in bulk from embryonic chick brain. Hendrickson CM, et al. **Neuropharmacology** 1980 Aug;19(8):731–9
Purification of the opiate receptor from rat brain. Bidlack JM, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):636–9
Solubilization of active opiate receptors. Simonds WF, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4623–7

METABOLISM

Quantum chemical studies of molecular features and receptor interactions that modulate opiate agonist and antagonist activity. Burt SK, et al. **Ann NY Acad Sci** 1981;367:219–39 (47 ref.)
Distribution of stereospecific opiate receptor binding activity between subcellular fractions from ovine corpus striatum. Glasel JA, et al. **Biochem Biophys Res Commun** 1980 Jul 16;95(1):263–8
Preparation of tritium labeled beta–endorphin suitable for studying brain receptor interactions. Hammonds RG Jr, et al. **Biochem Biophys Res Commun** 1981 Jan 15; 98(1):211–8
beta–Endorphin– (1–27): acetylation of alpha–amino groups enhances immunoreactivity but diminishes analgesic and receptor–binding activities with no changes in circular dichroism spectra. Li CH, et al. **Biochem Biophys Res Commun** 1980 Dec 16;97(3):932–8
Site of action of intrathecal morphine [letter] Jacobson L. **Br Med J** 1980 Dec 6;281(6254):1567–8
Selective localization of different types of opiate receptors in hippocampus as revealed by in vitro autoradiography. Duka T, et al. **Brain Res** 1981 Jan 26;205(1):181–6
Influence of unilateral olfactory bulbectomy on opiate and other binding sites in the contralateral bulb. Hirsch JD, et al. **Brain Res** 1980 Oct 13;199(1):39–47
Opiate and muscarinic ligand binding in five limbic areas after bilateral olfactory bulbectomy. Hirsch JD. **Brain Res** 1980 Oct 6;198(2):271–83
Development of opiate receptor binding in rat spinal cord. Kirby ML. **Brain Res** 1981 Feb 2;205(2):400–4
The distribution of multiple opiate receptors in bovine brain. Ninkovic M, et al. **Brain Res** 1981 Jun 9;214(1):163–7
Opiate antagonist receptor binding in vivo: evidence for a new receptor binding model. Perry DC, et al. **Brain Res** 1980 Oct 13;199(1):49–61
Opiate receptor binding in the brain of the hypertensive rat. Zamir N, et al. **Brain Res** 1981 May 25;213(1):217–22
Studies of the conformational behaviour and preferential interactions with opiate receptors of the cis and trans forms of [Dmet2,pro5]enkephalin and [Dmet2,pro5]enkephalinamide by 1H and 13C NMR, theoretical calculations and 13C relaxation measurements. Roques BP, et al. **Eur J Biochem** 1980 Dec;113(1):105–19
Analogues of beta–LPH61–64 possessing selective agonist activity at mu–opiate receptors. Handa BK, et al. **Eur J Pharmacol** 1981 Apr 9;70(4):531–40
mu– and delta–opiate receptors: correlation with high and low affinity opiate binding sites. Zhang AZ, et al. **Eur J Pharmacol** 1980 Oct 17;67(2–3):323–4
D–Tyr––Ser–Gly––Phe––Leu––Thr, a highly preferential ligand for delta–opiate receptors. Gacel G, et al. **FEBS Lett** 1980 Sep 8;118(2):245–7
Hydrodynamic properties of a [3H]etorphine macromolecular complex from the rat brain. Puget A, et al. **FEBS Lett** 1980 Dec 29;122(2):199–202
Guanine nucleotides inhibit binding of agonists and antagonists to soluble opiate receptors. Koski G, et al. **J Biol Chem** 1981 Feb 25;256(4):1536–8
Demonstration of two classes of opiate binding sites in the nervous tissue of the marine mollusc Mytilus edulis. Positive homotropic cooperativity of lower affinity binding sites. Kream RM, et al. **J Biol Chem** 1980 Oct 10; 255(19):9218–24
The interaction of N alpha–alkylenkephalins with opiate receptors. Tissue–dependent shifts in the opiate activity of methionine–enkephalin following N alpha–alkylation. Summers MC, et al. **J Biol Chem** 1981 May 25; 256(10):4951–6
A potent peptide affinity reagent for the opiate receptor. Venn RF, et al. **J Biol Chem** 1981 Feb 25;256(4):1529–32
Opioid peptides: aspects of their origin, release and metabolism. Hughes J, et al. **J Exp Biol** 1980 Dec;89:239–55
Demonstration and characterization of a stereospecific opiate receptor in the neuroblastoma N18TG2 cells. Law PY, et al. **J Neurochem** 1979 Dec;33(6):1177–87
Studies on the inhibitory action of opiate compounds in isolated bovine adrenal chromaffin cells: noninvolvement of stereospecific opiate binding sites. Lemaire S, et al.

J Neurochem 1981 Mar;36(3):886–92

Alterations in dihydromorphine binding in cerebral hemispheres of aged male rats. Messing RB, et al. **J Neurochem** 1981 Feb;36(2):784–7

Ethanol alters kinetic characteristics and function of striatal morphine receptors. Tabakoff B, et al. **J Neurochem** 1981 Aug;37(2):518–21

Opioid activities of beta-casomorphins. Brantl V, et al. **Life Sci** 1981 Apr 27;28(17):1903–9

Isolation of selective 3H-chlornaltrexamine-bound complexes, possible opioid receptor components in brains of mice. Caruso TP, et al. **Life Sci** 1980 Dec 1;27(22):2063–9

Naloxazone irreversibly inhibits the high affinity binding of [125I]D-ala2-D-leu5-enkephalin. Hazum E, et al. **Life Sci** 1981 Jun 29;28(26):2973–9

Evidence for sedative effects of low doses of morphine in mice involving receptors insensitive to naloxone. Marçais H, et al. **Life Sci** 1981 Jun 15;28(24):2737–42

Developmental differences between high and low affinity opiate binding sites: their relationship to analgesia and respiratory depression. Pasternak GW, et al. **Life Sci** 1980 Sep 29;27(13):1185–90

Bremazocine: a potent, long-acting opiate kappa-agonist. Römer D, et al. **Life Sci** 1980 Sep 15;27(11):971–8

Humoral endorphin: a new endogenous factor with opiate-like activity. Sarne Y, et al. **Life Sci** 1981 Feb 9; 28(6):673–80

Effect of the position of the phenolic group in morphinans on their affinity for opiate receptor binding. Simon LD, et al. **Life Sci** 1981 Jun 15;28(24):2769–72

An intracellular opiate receptor. Slotkin TA, et al. **Life Sci** 1980 Nov 24;27(21):1975–8

Multiple opiate receptors in guinea-pig ileum. Su TP, et al. **Life Sci** 1981 Jun 1;28(22):2519–28

The actions of naloxazone on the binding and analgesic properties of morphiceptin (NH2Tyr-Pro-Phe-Pro-CONH2), a selective mu-receptor ligand. Zhang AZ, et al. **Life Sci** 1981 Jun 22; 28(25):2829–36

Interactions of leucine enkephalin and narcotics with opioid receptors. Vaught JL, et al. **Mol Pharmacol** 1981 Mar; 19(2):236–41

Demonstration of a specific dynorphin receptor in guinea pig ileum myenteric plexus. Chavkin C, et al. **Nature** 1981 Jun 18;291(5816):591–3

Role of disulphide and sulphydryl groups in clustering of enkephalin receptors in neuroblastoma cells. Hazum E, et al. **Nature** 1979 Dec 6;282(5739):626–8

Mosaic distribution of opiate receptors, parafascicular projections and acetylcholinesterase in rat striatum. Herkenham M, et al. **Nature** 1981 Jun 4;291(5814):415–8

Do human platelets have opiate receptors? Reches A, et al. **Nature** 1980 Nov 27;288(5789):382–3

An endogenous substance from porcine brain antagonizes the anticonvulsant effect of diazepam. Nagy J, et al. **Neuropharmacology** 1981 May;20(5):529–33

Circadian rhythm in rat brain opiate receptor. Naber D, et al. **Neurosci Lett** 1981 Jan 1;21(1):45–50

Effect of L-prolyl-L-leucyl-glycinamide (PLG) on neuroleptic-induced catalepsy and dopamine/neuroleptic receptor bindings. Chiu S, et al. **Peptides (Fayetteville)** 1981 Spring;2(1):105–11

Inhibition of opiate receptor binding by zinc ions: possible physiological importance in the hippocampus. Stengaard-Pedersen K, et al. **Peptides (Fayetteville)** 1981; 2 Suppl 1:27–35 (35 ref.)

Localization and opiate receptor binding of enkephalin, CCK and ACTH/beta-endorphin in the rat central nervous system. Stengaard-Pedersen K, et al. **Peptides (Fayetteville)** 1981;2 Suppl 1:3–19 (53 ref.)

Analgesic activity and opiate receptor affinity of new derivatives of N-butylpiperidine. Janicki P, et al. **Pol J Pharmacol Pharm** 1980 Mar-Apr;32(2):141–8

Possible role of distinct morphine and enkephalin receptors in mediating actins of benzomorphan drugs (putative kappa and sigma agonists). Chang KJ, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4469–73

beta-Endorphin: characteristics of binding sites in rabbit spinal cord. Ferrara P, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):5746–8

Differentiation of delta and mu opiate receptor localizations by light microscopic autoradiography. Goodman RR, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):6239–43

beta-Endorphin: characteristics of binding sites in a neuroblastoma--glioma hybrid cell. Hammonds RG Jr, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2218–20

Multiple opiate receptors: [3H]ethylketocyclazocine receptor binding and ketocyclazocine analgesia. Pasternak GW. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3691–4

Characterization of opioid receptors in nervous tissue. Kosterlitz HW, et al. **Proc R Soc Lond [Biol]** 1980 Oct 29;210(1178):113–22

Opioid peptides and their receptors. Kosterlitz HW. **Prog Biochem Pharmacol** 1980;16:3–10

Studies on synthesis and relationship between analgesic activity and receptor affinity for 3-methyl fentanyl derivatives. Jin WQ, et al. **Sci Sin** 1981 May;24(5):710–20

Morphine in cow and human milk: could dietary morphine constitute a ligand for specific morphine (mu) receptors? Hazum E, et al. **Science** 1981 Aug 28;213(4511):1010–2

Opiate receptor gradients in monkey cerebral cortex: correspondence with sensory processing hierarchies. Lewis ME, et al. **Science** 1981 Mar 13;211(4487):1166–9

[Current problems in pain research] Löwe H. **Z Aerztl Fortbild (Jena)** 1979 Dec 15;73(24):1187–9 **(Ger)**

[Anterior pituitary LH-RH receptor (author's transl)] Ogawa N, et al. **Horumon To Rinsho** 1980 Aug;28(8):889–97 **(Jpn)**

[Interaction of D-Ala2-[Tyr-3,5-3H]enkephalin(5-D-Leu) with opiate receptors of rat brain] Balashov AM, et al. **Biokhimiia** 1981 Jun;46(6):1067–72 (Eng. Abstr.) **(Rus)**

[Effect of apomorphine on rat brain opiate receptors] Morozov GV, et al. **Biull Eksp Biol Med** 1980 Nov; 90(11):566–8 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Opioid mechanisms in regulation of cerebral monoamines in vivo. Ahtee L, et al. **Adv Biochem Psychopharmacol** 1980; 25:361–5

Opiate receptors and endorphins: their role in anesthesiology. Stoelting RK. **Anesth Analg (Cleve)** 1980 Nov; 59(11):874–80 (45 ref.)

Dual action of meperidine on the frog neuromuscular junction: a prejunctional, opiate receptor-mediated depression of transmitter release and a postjunctional, nonopiate receptor effect on the endplate. Durham HD, et al. **Arch Int Pharmacodyn Ther** 1981 May;251(1):150–65

Multiple opiate receptors in peripheral tissue preparations. Wüster M, et al. **Biochem Pharmacol** 1981 Jul 15; 30(14):1883–7 (20 ref.)

Effects of dopaminergic receptor stimulation and opioid receptor blockade on GH incretion: preliminary findings. Ghisoli E, et al. **Boll Soc Ital Biol Sper** 1980 Jun 30; 56(12):1222–5

Further studies on opiate receptors that mediate antinoception: tooth pulp stimulation in the dog. Skingle M, et al. **Br J Pharmacol** 1980 Oct;70(2):323–7

Opiate system influences central respiratory chemosensors. Pokorski M, et al. **Brain Res** 1981 Apr 27;211(1):221–6

The role of opiates and endogenous opioid peptides in the regulation of rat TSH secretion. Sharp B, et al. **Brain Res** 1981 Aug 31;219(2):335–44

Different opioid systems may participate in post-electro-convulsive shock (ECS) analgesia and catalepsy. Urca G, et al. **Brain Res** 1981 Aug 31; 219(2):385–96

Chronic opiate receptor occupation and increased lethality in endotoxemia. Hess ML, et al. **Circ Shock** 1981; 8(3):313–22

Opiate receptors may mediate the suppressive but not the excitatory action of ACTH on motor activity in rats. Amir S, et al. **Eur J Pharmacol** 1980 Sep 5;66(4):307–13

Opiates and their receptors. Terenius L. **In: Ferring Symposium on Brain and Pituitary Peptides, Munich, 1979. Brain and pituitary peptides : Ferring Symposium on Brain and Pituitary Peptides, Munich, June 30–July 1, 1979, Basel : Karger, 1980. WL 300 F392b 1979. pp.**:27–34

Endogenous opioids and addiction. Herz A, et al. **In: Ferring Symposium on Brain and Pituitary Peptides, Munich, 1979. Brain and pituitary peptides : Ferring Symposium on Brain and Pituitary Peptides, Munich, June 30–July 1, 1979, Basel : Karger, 1980. WL 300 F392b 1979. pp.**:183–9

Opiate antagonists and long-term analgesic reaction induced by inescapable shock in rats. Maier SF, et al. **J Comp Physiol Psychol** 1980 Dec;94(6):1172–83

The in vivo differentiation of opiate receptors: introduction. Adler MW. **Life Sci** 1981 Apr 6;28(14):1543–5

Functional and anatomical segregation of hypothalamic opiate receptors involved in prolactin and growth hormone secretion in cynomolgus monkeys. Belchetz PE. **Life Sci** 1981 Jun 29;28(26):2961–71

Seasonal variation in the apparent number of binding sites for 3H-opioid agonists and antagonists. Codd EE, et al. **Life Sci** 1981 Jun 8;28(23):2577–83

Simple in vivo tests that differentiate prototype agonists at opiate receptors. Cowan A. **Life Sci** 1981 Apr 6; 28(14):1559–70

Discriminative stimulus effects of narcotics: evidence for multiple receptor-mediated actions. Herling S, et al. **Life Sci** 1981 Apr 6;28(14):1571–84 (70 ref.)

Comparative study on the effect of morphine and the opioid-like peptides in the vas deferens of rodents: species and strain differences, evidence for multiple opiate receptors. Huidobro-Toro JP, et al. **Life Sci** 1981 Mar 23; 28(12):1331–6

Opiate receptor-mediated inhibition of rat jejunal fluid secretion. Lee MK, et al. **Life Sci** 1980 Dec 15; 27(24):2319–25

Multiple opioid receptors: a little about their history and some implications related to evolution. Martin WR. **Life Sci** 1981 Apr 6;28(14):1547–54

Opiate receptors and their implications for drug addiction. Simon EJ. **Natl Inst Drug Abuse Res Monogr Ser** 1980 Mar;(30):303–8

Opiate receptors and adrenal medullary function [letter] Lemaire S, et al. **Nature** 1980 Nov 20;288(5788):303–4

Enkephalin blocks inhibitory pathways in the vertebrate CNS. Nicoll RA, et al. **Nature** 1980 Sep 4;287(5777):22–5

Opioid receptors in the caudate nucleus can mediate EMG-recorded rigidity in rats. Havemann U, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Aug; 313(2):139–44

Effect of age on sensitivity to pain and brain opiate receptors. Hess GD, et al. **Neurobiol Aging** 1981 Spring;2(1):49–55

Opiate receptors modulate LHRH and SRIF release from mediobasal hypothalamic neurons. Drouva SV, et al. **Neuroendocrinology** 1981 Mar;32(3):163–7

Modulation of striatal cyclic nucleotide phosphodieterase by calmodulin: regulation by opiate and dopamine receptor activation. Hanbauer I, et al. **Neuropharmacology** 1979 Nov; 18(11):859–64

Pharmacological evidence of a possible tryptaminergic regulation of opiate receptors by using indalpine, a selective 5-HT uptake inhibitor. Uzan A, et al. **Neuropharmacology** 1980 Nov;19(11):1075–9

Mature spinal ganglion cells are not sensitive to opiate receptor mediated actions. Williams J, et al. **Neurosci Lett** 1981 Jan 20;21(2):211–6

Actions of kappa, sigma and partial mu narcotic receptor agonists on rat brain acetylcholine turnover. Wood PL, et al. **Neurosci Lett** 1981 Apr 9;23(1):75–80

Suppression of wet-dog shakes by tail and scruff-pinch. Ornstein K. **Physiol Behav** 1981 Jul;27(1):13–7

Involvement of mu-receptors in the opioid-induced generation of bursting discharges in hippocampal pyramidal cells. Gähwiler BH, et al. **Regul Pept** 1981 May;2(2):91–6

Stress-induced analgesia in humans: endogenous opioids and naloxone-reversible depression of pain reflexes. Willer JC, et al. **Science** 1981 May 8;212(4495):689–91

Opioid receptors undergo axonal flow. Young WS 3d, et al. **Science** 1980 Oct 3;210(4465):76–8

Opiate receptors and endorphins in the pathophysiology of hemorrhagic shock. Gurll NJ, et al. **Surgery** 1981 Mar; 89(3):364–9

[The effect of the block of opioid receptors by nalorphine on the growth hormone secretion after glucagon (author's transl)] Hainer V, et al. **Cas Lek Cesk** 1981 Jan 15; 120(1):16–7 (Eng. Abstr.) **(Cze)**

[Opiate receptors and sleep: a new approach to the mechanisms of action of anesthetics (alcohol and barbiturates) (letter)] Tissot R, et al. **Nouv Presse Med** 1980 May 17;9(22):1587–8 **(Fre)**

[Opiate receptors and morphine-like endogenous peptides] Kunsdorf-Wnuk A. **Pol Tyg Lek** 1980 Sep 1;35(35):1361–3 **(Pol)**

[Role of the opiate receptors of different brain regions in the formation of emotional responses in rats] Stanishevskaia AV, et al. **Fiziol Zh SSSR** 1980 Sep;66(9):1287–91 **(Rus)**

RECEPTORS, ESTROGEN

Anatomical relationships between estrogen target sites and peptidergic-aminergic neurons: multiple activation of heterogeneous systems (MAHS). Stumpf WE, et al. **Exp Brain Res** 1981;Suppl 3:18–28 (42 ref.)

Quality control of estrogen receptor assays. Godolphin W, et al. **J Immunoassay** 1980;1(3):363–74

Use of calf uterine cytosol estrogen receptor coupled to glass beads as a stable internal control for estradiol receptor assay in human breast cancer. Tanaka Y, et al. **J Immunoassay** 1980;1(3):349–61

Influence of host sex on the growth of human melanoma. Walker MJ, et al. **Proc Soc Exp Biol Med** 1980 Oct; 165(1):96–9

ANALYSIS

Early recurrence in oestrogen receptor negative breast carcinomas. A preliminary report. Hartveit F, et al. **Acta Chir Scand** 1980;146(2):93–5

Histochemical estrogen receptor assay [letter] Russell J, et al. **Am J Clin Pathol** 1981 Jan;75(1):127–9

Estradiol and progesterone receptors in estrogen-primed endometrium. Natrajan PK, et al. **Am J Obstet Gynecol** 1981 Jun 15;140(4):387–92

Modulation of protein expression in endometrial adenocarcinoma cells by in vitro exposure to estradiol and progesterone. O'Brien TJ, et al. **Am J Obstet Gynecol** 1981 Jan;139(1):67–72

Estrogen receptor protein in visceral metastases from breast carcinoma. Johnson FE, et al. **Am J Surg** 1981 Aug; 142(2):252–4

Relationship between nuclear DNA distribution and estrogen receptors in human mammary carcinomas. Auer GU, et al. **Anal Quant Cytol** 1980 Dec;2(4):280–4

Estrogen receptors by immunofluorescence: comparison with a dextran coated charcoal technique. Alonso K, et al. **Ann Clin Lab Sci** 1981 Mar-Apr;11(2):132–7

Evaluation of methods for measurement of steroid hormone receptors. Armitage EK, et al. **Ann Clin Lab Sci** 1981 Jan-Feb;11(1):69–74

Steroid hormone receptors in the management of human breast cancer. Knight WA 3d, et al. **Ann Clin Res** 1980 Oct;12(5):202–7 (22 ref.)

Sampling procedures in estrogen receptor determinations. Newsome JF, et al. **Ann Surg** 1981 May;193(5):549–54

Estrogen receptors in human breast cancer in Mexican patients. Gómez P, et al. **Arch Invest Med (Mex)** 1980; 11(2):303–13 **(Eng, Spa)**

Is there a seasonal variation in oestrogen receptor levels in human breast carcinoma tissues? Hähnel R, et al. **Aust NZ J Surg** 1981 Apr;51(2):183–5

Oestrogen receptors and the response of metastatic breast cancer to aminoglutethimide or tamoxifen. Holdaway IM.

Aust NZ J Surg 1981 Aug;51(4):345–7

Oestrogen receptors in breast cancer: greater care in collection. Reeve TS, et al. **Aust NZ J Surg** 1981 Apr; 51(2):185–7

Assay of total estradiol receptor in tissue homogenate and tissue fractions by exchange with sodium thiocyanate at low temperature. Sica V, et al. **Biochemistry** 1981 Feb 17; 20(4):686–93

Cytoplasmic estrogen receptor, estradiol and progesterone concentrations in endometrium of nonpregnant and pregnant pigs. Deaver DR, et al. **Biol Reprod** 1980 Aug; 23(1):72–7

Effect of physiological concentrations of sex hormones on the formation of 'early' sheep red blood cell rosettes by human lymphocytes. Possible relations with the presence of sex-hormone-cytosol-receptors in lymphocytes. Souweine G, et al. **Biomedicine [Express]** 1980 Sep–Oct; 33(5):150–2

Oestrogen receptors in breast tumours: associations with age, menopausal status and epidemiological and clinical features in 735 patients. Elwood JM, et al. **Br J Cancer** 1980 Nov; 42(5):635–44

Oestrogen–receptor status and endocrine therapy of breast cancer: response rates and status stability. Leake RE, et al. **Br J Cancer** 1981 Jan;43(1):59–66

Soluble and nuclear oestrogen receptor status in human breast cancer in relation to prognosis. Leake RE, et al. **Br J Cancer** 1981 Jan;43(1):67–71

Possible test for selection of adjuvant systemic therapy in early cancer of the breast. Cooke T, et al. **Br J Surg** 1980 Oct;67(10):747–50

Estrogen receptor status in breast cancer [editorial] Wright CJ. **Can J Surg** 1980 Jul;23(4):316–7

Estradiol receptor levels in human breast carcinomas. Bird CE, et al. **Can Med Assoc J** 1981 Apr 15;124(8):1010–2

Detection of alpha-lactalbumin in breast lesions and relationship to estrogen receptors and serum prolactin. Bahu RM, et al. **Cancer** 1980 Oct 15;46(8):1775–80

Estradiol receptor activity in lyophilized calf uterus and human breast tumor tissue. Benraad T, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2762–4

Investigation on the thermostability of steroid hormone receptors in lyophilized calf uterine tissue powder. Bojar H, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2770–4

Estradiol receptors in subpopulations of breast cancer cells isolated from human primary tumors. Børjesson BW, et al. **Cancer** 1981 Apr 1;47(7):1828–33

Estrogen receptors in patients with malignant melanoma. Creagan ET, et al. **Cancer** 1980 Oct 15;46(8):1785–6

The value of progesterone receptor assays in the management of advanced breast cancer. Degenshein GA, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2789–93

Estrophilin assays in breast cancer: quantitative features and application to the mastectomy specimen. DeSombre ER, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2783–8

Estrogen receptors in male breast cancer: clinical and pathologic correlations. Friedman MA, et al. **Cancer** 1981 Jan 1;47(1):134–7

The prognostic value of estrogen receptor determinations in patients with primary breast cancer: an update. Furmanski P, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2794–6

Estrogen receptors in male breast cancer. Gupta N, et al. **Cancer** 1980 Oct 15;46(8):1781–4

Comparison of estrogen receptor levels in breast cancer samples from mastectomy and frozen section specimens. Hasson J, et al. **Cancer** 1981 Jan 1;47(1):138–9

Quality control of estradiol receptor analysis: the United Kingdom experience. King RJ. **Cancer** 1980 Dec 15;46(12 Suppl):2822–4

Analysis of estradiol and progesterone receptors in early and advanced breast tumors. King RJ. **Cancer** 1980 Dec 15; 46(12 Suppl):2818–21

Hydrophilic macromolecules of steroid derivatives for the detection of cancer cell receptors. Lee SH. **Cancer** 1980 Dec 15;46(12 Suppl):2825–8

Estrogen and progesterone receptors in breast carcinoma: correlations with epidemiology and pathology. Lesser ML, et al. **Cancer** 1981 Jul 15;48(2):299–309

Quantitative estrogen receptor analyses: the response to endocrine and cytotoxic chemotherapy in human breast cancer and the disease-free interval. Lippman ME, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2829–34

Comparison of biochemical and histochemical techniques for estrogen receptor analyses in mammary carcinoma. McCarty KS Jr, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2842–5

Comparison of sex steroid receptor analyses and carcinoembryonic antigen with clinical response to hormone therapy. McCarty KS Jr, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2846–50

Correlation of estrogen and progesterone receptors with histologic differentiation in mammary carcinoma. McCarty KS Jr, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2851–8

The value of estrogen and progesterone receptors in the treatment of breast cancer. Osborne CK, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2884–8

Clinical significance of the quantitative assessment of estrogen receptors in advanced breast cancer. Paridaens R, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2889–95

Histochemical assay of estrogen and progesterone receptors in breast cancer: correlation with biochemical assays and patients' response to endocrine therapies. Pertschuk LP, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2896–901

A fluorescent probe for rapid detection of estrogen receptors. Rao BR, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2902–6

Most cystosarcoma phyllodes and fibroadenomas have progesterone receptor but lack estrogen receptor: stromal localization of progesterone receptor. Rao BR, et al. **Cancer** 1981 Apr 15;47(8):2016–21

Estrogen receptor: a prognostic factor in breast cancer. Samaan NA, et al. **Cancer** 1981 Feb 1;47(3):554–60

Current practices of estrogen receptor determination. Segaloff A. **Cancer** 1980 Dec 15;46(12 Suppl):2930–1

The clinical value of multiple steroid receptor assays in breast cancer management. Skinner LG, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2939–45

Detection of estrogen receptor in breast and endometrial carcinoma by the immunoperoxidase technique. Taylor CR, et al. **Cancer** 1981 Jun 1;47(11):2634–40

Histological differentiation in human breast cancer is related to steroid receptors and stromal elastosis. Rolland PH, et al. **Cancer Chemother Pharmacol** 1980 Dec;5(2):73–7

Dehydroepiandrosterone and androst-5-ene-3 beta,17 beta-diol in human mammary cancer cytosolic and nuclear compartments and their relationship to estrogen receptor. Adams JB, et al. **Cancer Res** 1980 Oct;40(10):3815–20

Comparison of dextran-coated charcoal and sucrose density gradient analyses of estrogen and progesterone receptors in human breast cancer. Anderson KM, et al. **Cancer Res** 1980 Nov;40(11):4127–32

Cytoplasmic estrogen receptor in a pregnancy-dependent mouse mammary tumor (TPDMT-4) and related autonomous lines. Matsuzawa A, et al. **Cancer Res** 1980 Sep;40(9):3361–8

Estrogen and progesterone receptors and tamoxifen in malignant melanoma. Karakousis CP, et al. **Cancer Treat Rep** 1980 Jun–Jul;64(6–7):819–27

Estrogen receptors and antiestrogen therapy in selected human solid tumors. Leake RE, et al. **Cancer Treat Rep** 1980 Jun–Jul;64(6–7):797–9

No relationship between lactate dehydrogenase and estrogen receptor levels in clinical human breast cancer. Keshgegian AA. **Clin Chim Acta** 1980 Dec 22;108(3):399–402

Estrogen and progesterone receptors in breast cancer: a new approach to measure. Lee SH. **Conn Med** 1980 Oct; 44(10):622–5

Nuclear and cytoplasmic estrogen receptors and progesterone receptors in breast cancer. Hähnel R, et al. **Eur J Cancer** 1980 Aug;16(8):1027–33

In vitro adriamycin sensitivity test and hormonal receptors in primary breast cancer. Kaufmann M, et al. **Eur J Cancer** 1980 Dec;16(12):1609–13

Estrogen binding by neoplastic human thymus cytosol. Ranelletti FO, et al. **Eur J Cancer** 1980 Jul;16(7):951–5

Batch assay method evaluation of cytoplasmic estrogen receptor. Relative immunity of hydroxylapatite method from errors of measurement. Rosner AL, et al. **Eur J Cancer** 1980 Nov;16(11):1495–1502

Estrogen receptor analysis on fine needle aspirates and on histologic biopsies from human breast cancer. Silfverswärd C, et al. **Eur J Cancer** 1980 Oct;16(10):1351–7

Oestrogen receptors and metabolism of oestrone sulphate in human mammary carcinoma. Wilking N, et al. **Eur J Cancer** 1980 Oct;16(10):1339–44

The use of coated charcoal in the determination of oestrogen receptor activity. Ralet PG, et al. **Eur J Nucl Med** 1981 Apr;6(4):159–62

Ultrastructural evidence of oestradiol receptor by immunochemistry. Morel G, et al. **Exp Cell Res** 1981 Apr; 132(2):249–57

Steroid hormone receptors in adenocarcinoma of the endometrium. Hunter RE, et al. **Gynecol Oncol** 1980 Oct; 10(2):152–61

Sex hormone-binding globulin and estrogen receptor in endometrial and cervical cancer. Ratajczak T, et al. **Gynecol Oncol** 1980 Dec;10(3):262–6

The histochemistry of estrogen receptors. Lee SH. **Histochemistry** 1981;71(4):491–500

Oestrogen receptor values and histological grade in human breast cancer. Thoresen S, et al. **Histopathology** 1981 May; 5(3):257–62

Estradiol receptors in embryonic & inter-embryonic segments of uterus of the rabbit during implantation. Puri RK, et al. **Indian J Exp Biol** 1981 Jan;19(1):26–8

Observations on short-term and long-term surveys of breast cancer by the American College of Surgeons. I. Significance of the number of axillary nodes and II. Estrogen receptor assay in the U.S. in 1977. Nemoto T, et al. **Int Adv Surg Oncol** 1981;4:209–39

Female sex steroid receptor status in primary and metastatic breast carcinoma and its relationship to serum steroid peptide hormone levels. Vihko R, et al. **Int J Cancer** 1980 Jul 15;26(1):13–21

Estrogen receptor level and other factors in early recurrence of breast cancer. Westerberg H, et al. **Int J Cancer** 1980 Oct 15;26(4):429–33

Estradiol and progesterone receptors in human breast tumours. Duffy MJ. **Ir Med J** 1980 Aug;73(8):311–2

Estrogen receptor of cow uterus. III. Molecular constitution of estrogen receptor-binding factors. Murayama A, et al. **J Biochem (Tokyo)** 1980 Oct;88(4):969–76

Disorganization and in vitro assembly of the constituents of the cytoplasmic estrogen receptor system of cow uterus. Murayama A, et al. **J Biochem (Tokyo)** 1980 Nov; 88(5):1457–66

Plasma membrane-integrated estrogen receptors in breast tissue: possible modulator molecular for intracellular hormone level. Zänker KS, et al. **J Cancer Res Clin Oncol** 1981;100(2):135–48

Are histochemical methods for estrogen receptor valid? Chamness GC, et al. **J Histochem Cytochem** 1980 Aug; 28(8):792–8

A new approach for quantitation of receptors and their ligands. Pain D, et al. **J Mol Biol** 1980 Nov 15; 143(4):419–25

Estrophilin: pro and anti. Greene GL, et al. **J Steroid Biochem** 1980 Jan;12:159–67

Nonspecific staining in the immunolocalization of estrogen receptors. Zehr DR, et al. **J Steroid Biochem** 1981 Jun; 14(7):613–7

Better estrogen receptor assay in the offing [news] González ER. **JAMA** 1981 Mar 6;245(9):905–6

Estrogen, progesterone receptors in ovarian cancer [news] González ER. **JAMA** 1981 Apr 24;245(16):1626

Plasma sex hormone binding globulin and tumour oestrogen receptor status in breast cancer patients [letter] **Lancet** 1981 Mar 14;1(8220 Pt 1):617–8

Malignant melanoma: tamoxifen and oestrogen receptors [letter] Furnival CM, et al. **Lancet** 1981 Aug 15; 2(8242):374–5

Adjuvant therapy of breast cancer [letter] Howat JM, et al. **Lancet** 1981 Jun 13;1(8233):1317

Biological and histological characteristics of simultaneous bilateral breast cancer. Kiang DT, et al. **Lancet** 1980 Nov 22;2(8204):1105–7

Receptor-bound estrogens and their metabolites in the nucleus of the isolated rat liver parenchymal cell. Dickson RB, et al. **Mol Pharmacol** 1980 Sep;18(2):215–23

Cycle variation and distribution in the concentration of cytosol estrogen and progesterone receptors in the normal human uterus and myoma. Ochiai K. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Jul;32(7):945–52

Implications of oestrogen receptor status in primary breast carcinoma to the role of adjuvant chemotherapy in node-negative cases. Hartveit F, et al. **Oncology** 1981; 38(4):219–21

Morphologic assay of steroid hormone receptors in human neoplasia. Pertschuk LP, et al. **Pathol Annu** 1980;15(Pt 2):143–80 (101 ref.)

Oestrogen receptor assay and morphology of breast cancer. Roberts AN, et al. **Pathology** 1981 Apr;13(2):317–25

Cytosolic oestrogen receptor content of breast cancer tissue in blacks and whites [letter] Pegoraro RJ, et al. **S Afr Med J** 1981 Aug 8;60(6):226

Nuclear and cytoplasmic oestrogen receptors in human mammary carcinoma. Pegoraro RJ, et al. **S Afr Med J** 1980 Nov 15;58(20):807–13

Cytosolic oestrogen receptor content of breast cancer tissue in blacks and whites. Savage N, et al. **S Afr Med J** 1981 Apr 25;59(18):623–4

Estrogen receptors in the nidatory sites of the rat endometrium. Martel D, et al. **Science** 1981 Mar 27; 211(4489):1454–5

Metastatic breast carcinoma with positive estrogen and progesterone receptors in a man with Klinefelter's syndrome. Ellison HS, et al. **South Med J** 1980 Oct; 73(10):1393–6

The correlation of estrogen and progesterone receptor levels with response to chemotherapy for advanced carcinoma of the breast. Paone JF, et al. **Surg Gynecol Obstet** 1981 Jan;152(1):70–4

Estrogen receptors and breast cancer: prognostic and therapeutic implications. Gapinski PV, et al. **Surgery** 1980 Sep;88(3):386–93

Estrogen receptors and MPA treatment in metastatic renal carcinoma. A preliminary report. Pizzocaro G, et al. **Tumori** 1980 Dec 31;66(6):739–42

[Estrogen receptor values in breast cancer in white and colored patients: a preliminary comparative study] van Zyl JA, et al. **S Afr J Surg** 1981 Mar;19(1):21–7 (Eng. Abstr.) **(Afr)**

[Estrogen receptor determination in malignant breast tumor tissue. How can false negative results be avoided?] Poulsen HS, et al. **Ugeskr Laeger** 1981 Jan 19;143(4):192–4 (Eng. Abstr.) **(Dan)**

[Steroid hormone receptors and breast cancer] Thorpe SM, et al. **Ugeskr Laeger** 1981 Jan 19;143(4):194–9 (Eng. Abstr.) **(Dan)**

[Demonstration of estradiol and progesterone receptors in histological preparations] Fetissof F, et al. **Ann Anat Pathol (Paris)** 1980;25(3):201–16 (Eng. Abstr.) **(Fre)**

[Analysis of hormone receptors in the treatment of breast neoplasms in women] Delarue JC, et al. **Ann Biol Clin (Paris)** 1980;38(5):293–6 **(Fre)**

[The contribution of estrogen receptors in the therapeutic strategy of breast cancer] Paridaens R, et al. **Gynakol Rundsch** 1981;21 Suppl 1:87–100 (Eng. Abstr.) **(Fre)**

[Determination of cytosolic receptors for estradiol and progesterone in 137 cases of breast cancer: technics, clinical and histopathological correlations] Dewailly D, et al. **Lille Med** 1980 Nov;25(9):496–501 (Eng. Abstr.) **(Fre)**

[The cytochemical detection of steroid receptors: a new tool for research in mammary oncology? (author's transl)]

Danguy A, et al. **Rev Med Brux** 1981 May;2(5):477–81 (Eng. Abstr.) **(Fre)**

[Estrogen and progestin receptors in meningiomas: a study in 22 cases (author's transl)] Poisson M, et al. **Rev Neurol (Paris)** 1980;136(3):193–203 (Eng. Abstr.) **(Fre)**

[Determination of estrogen and progesterone receptors in cervical sterility] Floersheim Y, et al. **Gynaekol Rundsch** 1980 Jun;20 Suppl 1:83–5 **(Ger)**

[Cyclic nucleotides and estrogen receptors as biologic markers in hormone-dependent neoplasms] Eppenberger U, et al. **Gynakol Rundsch** 1981;21 Suppl 1:101–11 (Eng. Abstr.) **(Ger)**

[Tumor histology and steroid receptors in breast carcinoma] Jakesz R, et al. **Onkologie** 1981 Apr;4(2):73–8 (Eng. Abstr.) **(Ger)**

[Fluorescence microscopy determination of estrogen receptor activity in breast cancer] Frank K, et al. **Pathologe** 1980 Nov;2(1):51–5 **(Ger)**

[Demonstration of estrogen receptors in perianal tumors in dogs] Elling H, et al. **Zentralbl Veterinaermed [A]** 1980; 27(9–10):758–64 (Eng. Abstr.) **(Ger)**

[17-beta-estradiol and progesterone receptors in the human Fallopian tubes (preliminary note)] Magli G, et al. **Arch Ostet Ginecol** 1980 Jan–Apr;85(1–2):81–5 (Eng. Abstr.) **(Ita)**

[Estrogen receptors in rabbit thymus] Panza N, et al. **Boll Soc Ital Biol Sper** 1979 Dec 30;55(24):2635–41 (Eng. Abstr.) **(Ita)**

[Correlation between the radiochemical and immunohistochemical method of determining estradiol receptors in carcinomas of the human breast. Preliminary results in 37 cases] Ghiringhello B, et al. **Minerva Ginecol** 1980 Jun;32(6):517–8 **(Ita)**

[Oestrogen receptors determination in human breast cancer (author's transl)] Messeri G, et al. **Quad Sclavo Diagn** 1979 Jun;15(2):196–207 (Eng. Abstr.) **(Ita)**

[Relation between estrogen receptors and the clinical morphological characteristics of primary breast cancer] Vishniakova VV, et al. **Arkh Patol** 1981;43(7):20–3 (Eng. Abstr.) **(Rus)**

[Effect of several endocrine factors on the concentration of specific estrogen-binding protein in rat liver] Smirnova OV, et al. **Biull Eksp Biol Med** 1980 Oct;90(10):480–3 (Eng. Abstr.) **(Rus)**

[Estradiol receptors in the hypothalamus of androgenized female and castrated male rats] Babichev VN, et al. **Ontogenez** 1981;12(2):167–71 (Eng. Abstr.) **(Rus)**

[Prostaglandin regulation of the sex hormone receptor content in human decidual tissue] Iudaev NA, et al. **Probl Endokrinol (Mosk)** 1980;26(6):63–7 (Eng. Abstr.) **(Rus)**

[Measurement of estradiol receptors in normal and pathological breast tissue] Toldeo H, et al. **Rev Chil Obstet Ginecol** 1979;44(2):45–9 (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

[Hormonal regulation of estrogen and progesterone receptor biosynthesis in human endometrial tissue culture] Iudaev NA, et al. **Probl Endokrinol (Mosk)** 1980 Sep–Oct; 26(5):29–35 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Section on Cancer Chemotherapy, Department of Surgery, Pennsylvania Hospital, Philadelphia. Lerner HJ. **Am Fam Physician** 1981 Jun;23(6):193–4

Estrogenic and antiestrogenic effects of danazol administration in studies of estradiol receptor binding. Musich JR, et al. **Am J Obstet Gynecol** 1981 May 1; 140(1):62–9

Protection of steroid hormone receptors by protease inhibitors. Hazato T, et al. **Biochem Biophys Res Commun** 1981 Jan 30;98(2):488–93

Effects of tamoxifen on estrogen and progesterone receptors in human breast cancer. Waseda N, et al. **Cancer Res** 1981 May;41(5):1984–8

Endometrial estrogen and progestin receptors in women bearing a progesterone-releasing intrauterine device. Jänne O, et al. **Contraception** 1980 Jul;22(1):19–23

Effects of 17 beta-estradiol, synthetic estrogens, and antiestrogens on prolactin secretion, nuclear translocation of pituitary estrogen receptor and on progesterone receptor levels in rat pituitary, hypothalamus and uterus. Leibl H, et al. **Endocrinol Exp (Bratisl)** 1981;15(1):35–44

The capacity of the antiestrogen CI-628 to activate the estrogen receptor in vitro. De Boer W, et al. **Endocrinology** 1981 Jan;108(1):206–12

Biological potency and uterine estrogen receptor interactions of the metabolites of the antiestrogens CI628 and U23,469. Hayes JR, et al. **Endocrinology** 1981 Jan;108(1):164–72

Estradiol receptor activity in uteri of pregnant mice given lead before implantation. Wide M, et al. **Fertil Steril** 1980 Nov;34(5):503–8

Antiestrogens: effects of tamoxifen, nafoxidine, and CI-628 on sexual behavior, cytoplasmic receptors, and nuclear binding of estrogen. Etgen AM. **Horm Behav** 1979 Oct; 13(2):97–112

Time-related effects of en-clomiphene upon central and peripheral oestrogen target tissues and cytoplasmic receptors. Bowman SP, et al. **J Endocrinol** 1981 Apr; 89(1):117–28

Stabilisation of the cytoplasmic oestrogen receptor by molybdate. Krozowski ZS, et al. **J Steroid Biochem** 1981 Apr;14(4):363–6

Nuclear binding of estradiol in human myometrium. Lukola A, et al. **J Steroid Biochem** 1980 Oct;13(10):1241–8

Cytotoxic estrogens in hormone receptive tumors. Raus J, et al. **J Toxicol Environ Health** 1981 Jan;7(1):159–65

Inhibition of rat uterine estradiol receptor by aurintricarboxylic acid. Moudgil VK, et al. **Life Sci** 1980 Sep 29;27(13):1159–67

The stability of the uterine estrogen receptor when complexed with estrogens or antiestrogens. Pavlik EJ, et al. **Mol Pharmacol** 1980 Nov;18(3):406–12

Differences between oestrogen receptor activation by oestrogen and antioestrogen. Rochefort H, et al. **Nature** 1981 Jul 16;292(5820):257–9

Oestradiol and progesterone receptors in the mammary tissue and tumours of female Holtzman rats following 7,12-dimethylbenz(a)anthracene administration. Seshadri R, et al. **Oncology** 1981;38(2):72–5

Progesterone inhibition of uterine nuclear estrogen receptor: dependence on RNA and protein synthesis. Evans RW, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):5856–60

[OEstradiol and progesterone steroid hormone receptors in cancer of the endometrium. The significance of the progesterone receptor (author's transl)] Martin PM, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1979;8(8):681–4 (Eng. Abstr.) **(Fre)**

GENETICS

Correlation of nuclear acceptor sites for oestrogen receptors with gene transcription in vitro. Taylor RN, et al. **Biochem J** 1980 Nov 15;192(2):385–93

IMMUNOLOGY

Simple methods for production and characterization of rabbit antibodies to human breast tumor estrogen receptors. Raam S, et al. **Mol Immunol** 1981 Feb;18(2):143–56

Monoclonal antibodies to human estrogen receptor. Greene GL, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5115–9

[Identification by immunofluorescence of estrogen receptors in rat thymocytes] Malacarne P, et al. **Riv Emoter Immunoematol** 1978;25(5–6):189–97 (Eng. Abstr.) **(Ita)**

ISOLATION & PURIFICATION

Partial purification of the nuclear estrogen receptor from chicken liver by affinity chromatography. Schneider W, et al. **Biochim Biophys Acta** 1980 Nov 17;633(1):105–13

Purification of estrogen receptors from MCF-7 human breast cancer cells. Chong MT, et al. **Cancer Res** 1980 Sep; 40(9):3172–6

Characterization of estradiol, progesterone, and prolactin receptors in nitrosomethylurea-induced mammary tumors and effect of antiestrogen treatment on the development and growth of these tumors. Turcot-Lemay L, et al. **Cancer Res** 1980 Sep;40(9):3232–40

Estrogen receptor of cow uterus. I. Characterization of native and proteolyzed '4S' estrogen receptors. Murayama A, et al. **J Biochem (Tokyo)** 1980 Oct;88(4):955–61

Demonstration of estrogen receptors in the skin. Punnonen R, et al. **J Endocrinol Invest** 1980 Jul–Sep;3(3):217–21

Estrogen receptor of calf uterus: an easy and fast purification procedure. Puca GA, et al. **J Steroid Biochem** 1980 Jan; 12:105–13

Different chromatographic behaviours on blue sepharose CL-6B of free and estradiol complexed forms of the estrogen receptor from DMBA-induced rat mammary tumors. Tenenbaum A, et al. **J Steroid Biochem** 1980 Jul; 13(7):829–33

Isopycnic banding in metrizamide of the uterine cytosol and nuclear estradiol receptor. Baskevitch PP, et al. **Mol Cell Endocrinol** 1981 May;22(2):195–210

[Estrogen and progesterone receptors in normal and pathologic human endometrium] Baron J, et al. **Endokrynol Pol** 1980 Jul–Aug;31(4):353–60 (Eng. Abstr.) **(Pol)**

METABOLISM

Sex steroid receptors in endometrial hyperplasia and neoplasia [proceedings] Gurpide E. **Acta Cytol (Baltimore)** 1980 Nov–Dec;24(6):483–5

Stroma of human benign prostatic hyperplasia: preferential tissue for androgen metabolism and oestrogen binding. Krieg M, et al. **Acta Endocrinol (Copenh)** 1981 Mar; 96(3):422–32

Binding capacity of estradiol and depletion-replenishment rate of cytoplasmic estrogen receptor in uterine tissue of maturing rats with hypothalamic lesions. Alvarez EO, et al. **Acta Physiol Lat Am** 1978;28(4–5):155–62

Estrogen receptor in the mammalian liver. Eisenfeld AJ, et al. **Adv Steroid Biochem Pharmacol** 1979;7:91–117 (76 ref.)

Cytoplasmic estrogen, but not progestin, binding sites in male rat adipose tissues. Gray JM, et al. **Am J Physiol** 1980 Oct; 239(4):E237–E241

In vivo cell nuclear binding of 17 beta-[3H]estradiol in rat adipose tissues. Gray JM, et al. **Am J Physiol** 1981 Jan; 240(1):E43–6

Sex steroid hormone receptors and human prostatic hyperplasia and carcinoma. Robel P. **Ann Clin Res** 1980 Oct;12(5):216–22 (53 ref.)

Estrogen receptor activity in a case of Hodgkin's disease. Stark JJ, et al. **Ann Intern Med** 1981 Aug;95(2):186–7

Estradiol receptor-binding protein in head and neck neoplastic and normal tissue. Molteni A, et al. **Arch Surg** 1981 Feb;116(2):207–10

Lack of cytosol and nuclear estrogen receptors in human spermatozoa. Cheng CY, et al. **Biochem Biophys Res Commun** 1981 May 29;100(2):840–6

The influence of five monoxygenase inducers on liver cytosol estradiol receptor levels in the ovariectomized adult rat. Duvivier J, et al. **Biochem Biophys Res Commun** 1981 Mar 16;99(1):252–8

Reduction of LH-RH pituitary and estradiol uterine binding sites by a superactive analog of luteinizing hormone-releasing hormone. Pedroza E, et al. **Biochem Biophys Res Commun** 1980 Aug 14;95(3):1056–62

Nucleo-cytoplasmic relationships of oestrogen receptors in rat liver during the oestrous cycle and in response to administered natural and synthetic oestrogen. Marr W, et al. **Biochem J** 1980 Jul 15;190(1):17–25

The effects of oestrogens and progesterone on oestrogen receptors in female rat liver. Marr W, et al. **Biochem J** 1980 Sep 15;190(3):563–70

A comparison of the relationships between progestin receptors and oestrogen receptors in neural and non-neural target tissues of the rat during the oestrous cycle. Thrower S, et al. **Biochem J** 1980 Sep 15;190(3):691–5

Unoccupied nuclear oestrogen receptors in the female rat hypothalamus. Increases on oestrogen administration. White JO, et al. **Biochem J** 1980 Sep 15;190(3):833–7

Sex-hormone-binding globulin and oestrogen receptors. Mason RC, et al. **Biochem Soc Trans** 1981 Feb;9(1):97–8

Dissociation kinetics of the estrogen receptor immobilized by hydroxylapatite. de Boer W, et al. **Biochemistry** 1981 Mar 3;20(5):1285–9

Dissociation kinetics of the nuclear estrogen receptor. de Boer W, et al. **Biochemistry** 1981 Mar 3;20(5):1290–4

Estrogen receptors in the neuroendocrine tissues of the ewe in relation to breed, season, and stage of the estrous cycle. Clarke IJ, et al. **Biol Reprod** 1981 Mar;24(2):323–31

Differential stimulation of uterine cells by nafoxidine and clomiphene: relationship between nuclear estrogen receptors and type II estrogen binding sites and cellular growth. Markaverich BM, et al. **Biol Reprod** 1981 Feb; 24(1):171–81

Influence of exogenous estradiol-17 beta on endometrial progesterone and estrogen receptors during the luteal phase of the ovine estrous cycle. Zelinski MB, et al. **Biol Reprod** 1980 Nov;23(4):743–51

Temporal relationships between endometrial RNA polymerase activities and steroid hormone receptors following estradiol administration during the midluteal phase of the ovine estrous cycle. Zelinski MB, et al. **Biol Reprod** 1981 Feb;24(1):119–24

Estradiol and progerstenone receptors in F1 (C3H X RIII) mice mammary tumors: effect of castration. Edery M, et al. **Biomedicine** 1980 May;33(3):80–2

Age-related changes in the concentrations of cytosol receptors for sex steroid hormones in the hypothalamus and pituitary gland of the rat. Haji M, et al. **Brain Res** 1980 Jan 21;204(2):373–86

Relationship between primary breast tumor receptor status and patient survival. Blamey RW, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2765–9

Relation of tumor content of estrogen and progesterone receptors with response of patient to endocrine therapy. Brooks SC, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2775–8

Steroid receptors and response to endocrine ablations in women with metastatic cancer of the breast. Dao TL, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2779–82

The lack of relationship between estrogen receptor status and response to chemotherapy. Hilf R, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2797–800

Estrogen receptor status and response to polychemotherapy in advanced breast cancer. Jonat W, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2809–13

Estrogen receptor status and response to chemotherapy in advanced breast cancer. Kiang DT, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2814–7

The problem of nonresponding estrogen receptor-positive patients with advanced breast cancer. Maass H, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2835–7

Estrogen and progesterone receptors in the prediction of response of breast cancer to endocrine therapy. Manni A, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2838–41

Correlation of hormone receptors with pathological features in human breast cancer. Millis RR. **Cancer** 1980 Dec 15; 46(12 Suppl):2869–71

Use of polyestradiol phosphate and anti-17 beta estradiol antibodies for the localization of estrogen receptors in target tissues: a critique. Morrow B, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2872–9

Steroid hormone receptors and clinical usefulness in human breast cancer. Nomura Y, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2880–3

Estrogen receptor status and response to chemotherapy in advanced breast cancer: the Tufts-Shattuck-Pondville experience. Rosenbaum C, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2919–21

Estrogen receptors and response to endocrine therapy and

cytotoxic chemotherapy in advanced breast cancer. Rubens RD, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2922–4

Estrogen receptors and responsiveness of advanced breast cancer to chemotherapy. Samal BA, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2925–7

Clinical application of estrogen receptor in breast cancer. Singhakowinta A, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2932–8

Relationship between steroid receptors and response to endocrine therapy and cytotoxic chemotherapy in metastatic breast cancer. Young PC, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2961–3

Effects of serum and insulin on the sensitivity of the human breast cancer cell line MCF-7 to estrogen and antiestrogens. Butler WB, et al. **Cancer Res** 1981 Jan; 41(1):82–8

Specific estrogen receptor binding and biological effects of 16 alpha-iodoestradiol on human breast cancer cells. Lippman ME, et al. **Cancer Res** 1981 Aug;41(8):3150–4

Female sex steroid receptors in postmenopausal endometrial carcinoma and biochemical response to an antiestrogen. Mortel R, et al. **Cancer Res** 1981 Mar;41(3):1140–7

Relationship of cytoplasmic and nuclear estrogen receptors and progesterone receptors in human breast cancer. Romić-Stojković R, et al. **Cancer Res** 1980 Dec; 40(12):4821–5

Antitumor activities and estrogen receptor interactions of the metabolites of the antiestrogens C1628 and U23,469 in the 7,12-dimethylbenz(a)anthracene-induced rat mammary tumor system. Rorke EA, et al. **Cancer Res** 1981 Apr;41(4):1257–62

Different ionic forms of estrogen receptor in rat uterus and human breast carcinoma. Tilzer LL, et al. **Cancer Res** 1981 Mar;41(3):1058–63

Estrogen-receptor binding and biologic activity of tamoxifen and its metabolites. Wakeling AE, et al. **Cancer Treat Rep** 1980 Jun-Jul;64(6–7):741–4

Simultaneous measurement of estrogen and progesterone receptors in tumor cytosols with use of 125I-labeled estradiol and of 3H-R5020. Thibodeau SN, et al. **Clin Chem** 1981 May;27(5):687–91

Comparison of levels of cytosol estrogen receptors with 'arterial' and 'venous' concentrations of gonadic steroids in mammary tumors. Duvivier J, et al. **Clin Chim Acta** 1981 Apr 27;112(1):21–32

Vitellogenin synthesis and characterisation of the liver estrogen receptor in the neotenous salamander Ambystoma mexicanum. May FE, et al. **Dev Biol** 1981 Mar;82(2):350–7

Estrogen receptor activity in primary argyrophil carcinoma of the breast. Chabon AB, et al. **Diagn Gynecol Obstet** 1980 Summer;2(2):93–7

Cytoplasmic estrogen receptor in castrated rat thymus. Imanishi Y, et al. **Endocrinol Jpn** 1980 Jun;27(3):395–9

Facilitation and inhibition of the estrogen-induced luteinizing hormone surge in the rat by progesterone: effects on cytoplasmic and nuclear estrogen receptors in the hypothalamus-preoptic area, pituitary, and uterus. Attardi B. **Endocrinology** 1981 Apr;108(4):1487–96

Effects of bromocriptine on [3H]estradiol binding in cytosol of anterior pituitary. De Nicola AF, et al. **Endocrinology** 1981 Jul;109(1):83–6

17 Alpha-ethinyl estradiol is more potent than estradiol in receptor interactions with isolated hepatic parenchymal cells. Dickson RB, et al. **Endocrinology** 1981 Apr; 108(4):1511–8

Modulation of rat uterine steroid hormone receptors by estrogen and antiestrogen. Dix CJ, et al. **Endocrinology** 1980 Dec;107(6):2011–20

17 alpha-Estradiol is a biologically active estrogen in human breast cancer cells in tissue culture. Edwards DP, et al. **Endocrinology** 1980 Oct;107(4):884–91

Progesterone action in hamster uterus: rapid inhibition of 3H-estradiol retention by the nuclear fraction. Evans RW, et al. **Endocrinology** 1980 Oct;107(4):1261–3

Rapid fluctuations in the levels of specific estradiol-binding sites in endometrial cells in culture. Fleming H, et al. **Endocrinology** 1981 May;108(5):1744–50

Relative distribution of estrogen and progesterone receptors among the epithelial, adipose, and connective tissue components of the normal mammary gland. Haslam SZ, et al. **Endocrinology** 1981 Mar;108(3):825–30

Estrogen receptor in rabbit ovaries and effects of antiestrogen on progesterone production. Holt JA, et al. **Endocrinology** 1981 Jun;108(6):2308–15

Nuclear estrogen receptor release from antiestrogen suppression: amplified induction of progesterone receptor in MCF-7 human breast cancer cells. Horwitz KB, et al. **Endocrinology** 1981 May;108(5):1703–9

Comparative effects of estrogen and antiestrogen on plasma renin substrate levels and hepatic estrogen receptors in the rat. Kneifel MA, et al. **Endocrinology** 1981 Feb; 108(2):545–52

Isolation and characterization of the estrogen receptor in hen oviduct: evidence for two molecular species. Kon OL, et al. **Endocrinology** 1980 Oct;107(4):1182–91

Estrogen action in the mouse uterus: differential nuclear localization of estradiol in uterine cell types. Korach KS, et al. **Endocrinology** 1981 May;108(5):1989–91

Heterogeneity of nuclear estrogen-binding sites in the rat uterus: a simple method for the quantitation of type I and type II sites by [3H]estradiol exchange. Markaverich BM, et al. **Endocrinology** 1981 Jul;109(1):62–9

Depletion of the cytoplasmic estrogen receptor in gonadotropin-desensitized testes. Melner MH, et al. **Endocrinology** 1980 Nov;107(5):1620–6

Human breast tumor estrogen receptor: effects of molybdate and electrophoretic analyses. Miller LK, et al. **Endocrinology** 1981 Apr;108(4):1369–78

Estrogen receptor in deciduoma cells separated by velocity sedimentation. Moulton BC, et al. **Endocrinology** 1981 Feb; 108(2):484–8

Effect of molybdate on activation and stabilization of steroid receptors. Noma K, et al. **Endocrinology** 1980 Oct; 107(4):1205–11

Multihormonal regulation of the estrogen receptor in rat liver. Norstedt G, et al. **Endocrinology** 1981 Apr; 108(4):1190–6

Effect of gonadectomy on the ontogeny of estrogen-binding components in rat liver cytosol. Powell-Jones W, et al. **Endocrinology** 1981 Aug;109(2):628–36

Estrogen binding component of mouse Leydig cell tumor: an in vitro conversion from nonreceptor to receptor-like molecule. Sato B, et al. **Endocrinology** 1981 Feb; 108(2):612–9

Circannual rhythms in steroid receptor concentration and nuclear binding in the chick oviduct. Spelsberg TC, et al. **Endocrinology** 1980 Oct;107(4):1234–44

Evidence for 5 alpha-androstane-3 beta, 17 beta-diol binding to the estrogen receptor in the cytosol from male rat pituitary. Thieulant ML, et al. **Endocrinology** 1981 Apr; 108(4):1552–60

Characterization of progesterone receptors, estrogen receptors, and estrogen (type II)-binding sites in the hormone-independent variant of the MXT-3590 mouse mammary tumor. Watson CS, et al. **Endocrinology** 1980 Nov;107(5):1432–7

Effects of human chorionic gonadotropin in the rabbit corpus luteum: loss of estrogen receptor and decreased steroidogenic response to estradiol. Yuh KC, et al. **Endocrinology** 1981 Apr;108(4):1321–7

Estrogen receptors and breast cancer. Nicholson RI, et al. **Environ Health Perspect** 1981 Apr;38:143–6

Intracellular actions of gonadal steroids. Jungblut PW, et al. **Exp Brain Res** 1981;Suppl 3:37–60

Neural estrogen receptors in the life cycle of the albino rat. McEwen BS. **Exp Brain Res** 1981;Suppl 3:61–79 (102 ref.)

Effects of estrogens P-1496 and P-1560 on the binding of estradiol with rat uterine estrogen receptors. Di Carlo F, et al. **Farmaco [Sci]** 1980 May;35(5):425–9

In vitro inactivation of oestrogen receptor by nuclei: prevention by phosphatase inhibitors. Auricchio F, et al. **FEBS Lett** 1980 Aug 11;117(1):224–6

Activation of estradiol--receptor complex by ATP in vitro. Moudgil VK, et al. **FEBS Lett** 1980 Dec 29;122(2):189–92

Cytoplasmic and nuclear binding of estradiol in the brain and pituitary of old female rats. Jiang MJ, et al. **Gerontology** 1981;27(1–2):51–7

Steroid hormone binding receptors in the rat kidney. Davidoff M, et al. **Histochemistry** 1980;69(1):39–48

Histochemical, autoradiographic and electron microscopic investigations of the renal proximal tubule of male and female rats after castration. Zabel M, et al. **Histochemistry** 1980;69(3):255–76

Activation and differentiation of sexual behavior and translocation of hypothalamic estrogen receptors in rats by 6 alpha-fluorotestosterone. Nordeen EJ, et al. **Horm Behav** 1981 Jun;15(2):123–40

Progesterone and estrogen receptors in GH3 cells. Roos W, et al. **Horm Res** 1980;12(6):324–32

The binding of sex steroids to human spermatozoa. An autoradiographic study. Cheng CY, et al. **Int J Androl** 1981 Feb;4(1):1–17

Iodine-125-labelled tamoxifen is differentially cytoxic to cells containing oestrogen receptors. Bloomer WD, et al. **Int J Radiat Biol** 1980 Aug;38(2):197–202

Estrogen receptor of cow uterus. II. Characterization of a cytoplasmic factor which binds with native '4S' estrogen receptor to give '8S' estrogen receptor. Murayama A, et al. **J Biochem (Tokyo)** 1980 Oct;88(4):963–8

Hydroxylated metabolites of tamoxifen are formed in vivo and bound to estrogen receptor in target tissues. Borgna JL, et al. **J Biol Chem** 1981 Jan 25;256(2):859–68

Effect of photooxidation on the estrogen receptor from rat mammary tumor. Feldman M, et al. **J Biol Chem** 1980 Sep 25;255(18):8776–9

RNA inhibits estrogen receptor binding to DNA. Feldman M, et al. **J Biol Chem** 1981 Feb 10;256(3):1145–8

Induction of estrogen receptor and reversal of the nuclear/cytoplasmic receptor ratio during vitellogenin synthesis and withdrawal in Xenopus laevis. Hayward MA, et al. **J Biol Chem** 1980 Dec 10;255(23):11308–12

Nuclear estrogen receptors. Effect of inhibitors on processing and steady state levels. Horwitz KB, et al. **J Biol Chem** 1980 Oct 25;255(20):9699–705

Estrogen receptor replenishment. Evidence for receptor recycling. Kassis JA, et al. **J Biol Chem** 1981 Jul 25; 256(14):7378–82

Interaction of a high affinity anti-estrogen (alpha-[4-pyrrolidinoethoxy]phenyl-4-hydroxy-alpha'-nit C1628M) with uterine estrogen receptors. Katzenellenbogen BS, et al. **J Biol Chem** 1981 Mar 25; 256(6):2908–15

An insulin effect on cytoplasmic estrogen receptor in the human breast cancer cell line MCF-7. Moore MR. **J Biol Chem** 1981 Apr 25;256(8):3637–40

Estradiol receptor-mediated regulation of steroidogenesis in gonadotropin-desensitized Leydig cells. Nozu K, et al. **J Biol Chem** 1981 Feb 25;256(4):1915–22

Identification of high affinity estrogen binding sites in calf uterine microsomal membranes. Parikh I, et al. **J Biol Chem** 1980 Nov 10;255(21):10266–70

Unoccupied and occupied estrogen receptors in myometrial cytosol and nuclei from nonpregnant and pregnant women. Giannopoulos G, et al. **J Clin Endocrinol Metab** 1980 Oct; 51(4):702–10

Influence of endometrial 17 beta-hydroxysteroid dehydrogenase activity on the binding of estradiol to receptors. Gurpide E, et al. **J Clin Endocrinol Metab** 1981 Feb;52(2):252–5

Cyclic clomiphene citrate treatment lowers cytosol estrogen and progestin receptor concentrations in the endometrium of postmenopausal women on estrogen replacement therapy. Kokko E, et al. **J Clin Endocrinol Metab** 1981 Feb;52(2):345–9

Estradiol and progesterone receptors in human breast fibroadenomas. Kuttenn F, et al. **J Clin Endocrinol Metab** 1981 Jun;52(6):1225–9

Properties of the estrogen receptor in the human oviduct and its interaction with ethinylestradiol and mestranol in vitro. Muechler EK, et al. **J Clin Endocrinol Metab** 1980 Nov;51(5):962–7

Estrogen receptors in human pituitary adenomas. Pichon MF, et al. **J Clin Endocrinol Metab** 1980 Oct;51(4):897–902

The estrogen-sensitive neural system in the brain of female cats. Rees HD, et al. **J Comp Neurol** 1980 Oct 1; 193(3):789–804

Alterations induced by clomiphene in the concentrations of oestrogen receptors in the uterus, pituitary gland and hypothalamus of female rats. Adashi EY, et al. **J Endocrinol** 1980 Dec;87(3):383–92

Oestrogen receptors in rat mammary tissue and plasma concentrations of prolactin during mammary carcinogenesis induced by oestrogen and ionizing radiation. Blankenstein MA, et al. **J Endocrinol** 1981 Feb;88(2):233–41

Catechol oestrogens and gonadotrophin secretion in the ewe: affinity for pituitary oestrogen receptors invitro and action on gonadotrophin secretion in vivo. Clarke IJ, et al. **J Endocrinol** 1980 Jun;85(3):503–9

Effects of endocrine manipulations on oestrogen binding in cytosols from rat skeletal and perineal muscles. Dionne FT, et al. **J Endocrinol** 1980 Jun;85(3):351–8

Sedimentation profiles of the oestrogen receptor from breast tumours of man and rat using vertical-tube rotor centrifugation. Freedman B, et al. **J Endocrinol** 1980 Sep; 86(3):431–42

Effect of an intra-uterine device on intracellular relationships of the uterine oestrogen receptor, particularly during pregnancy. Myatt L, et al. **J Endocrinol** 1980 Dec; 87(3):357–64

Insulin release and steroid-hormone binding in isolated islets of langerhans in the rat: effects of ovariectomy. El Seifi S, et al. **J Endocrinol** 1981 Jul;90(1):59–67

Progesterone and oestradiol receptors in the uterus of oestradiol-primed fetal and newborn guinea-pigs. Sumida C, et al. **J Endocrinol** 1980 Jun;85(3):429–34

Oestrogen receptors and metabolic activity in the genital tract after ovariectomy of ewes with permanent infertility caused by exposure to phytooestrogens. Tang BY, et al. **J Endocrinol** 1981 Jun;89(3):365–70

Estrogen receptor cytochemistry by fluorescent estrogen. Nenci I, et al. **J Histochem Cytochem** 1980 Oct; 28(10):1081–8

Estrogen receptor based imaging agents. 2. Synthesis and receptor binding affinity of side-chain halogenated hexestrol derivatives. Goswami R, et al. **J Med Chem** 1980 Sep;23(9):1002–8

Estrogen receptor based imaging agents. 1. Synthesis and receptor binding affinity of some aromatic and D-ring halogenated estrogens. Heiman DF, et al. **J Med Chem** 1980 Sep;23(9):994–1002

Chemically reactive estrogens: synthesis and estrogen receptor interactions of hexestrol ether derivatives and 4-substituted deoxyhexestrol derivatives bearing alkylating functions. Katzenellenbogen JA, et al. **J Med Chem** 1981 Apr;24(4):435–50

N,N'-Dialkylbis(dichlorophenyl)ethylenediamines and -imidazolidines: relationship between structure and estradiol receptor affinity. von Angerer E, et al. **J Med Chem** 1980 Dec;23(12):1347–50

Estrogen binding and estrogen receptor activity in the human prostate: a preliminary report. Fondo EY, et al. **J Natl Med Assoc** 1981 Mar;73(3):261–6

Studies with 17 beta(16 alpha-[125i]iodo)-estradiol, an estrogen receptor-binding radiopharmaceutical, in rats bearing mammary tumors. Gatley SJ, et al. **J Nucl Med** 1981 May;22(5):459–64

Studies on estrogen receptors in rat uterus during protein malnutrition and steroid-maintained pregnancy. Singh RK, et al. **J Nutr** 1980 Sep;110(9):1745–53

Binding of a contraceptive progestogen ORG 2969 and its metabolites to receptor proteins and human sex hormone binding globulin. Bergink EW, et al. **J Steroid Biochem** 1981 F[illegible]14(2):175–83

Variation of hypophyseal estradiol receptors during rat estrous cycle. Büchi KA, et al. **J Steroid Biochem** 1980 Jan;12:347–9

The apparent in vivo affinity of estradiol binding sites in the uterus varies during the estrous cycle of the rat. Büchi KA, et al. **J Steroid Biochem** 1980 Nov;13(11):1253–60

Influence of sex and gonadectomy on sex steroid receptors in rat adrenal gland. Calandra RS, et al. **J Steroid Biochem** 1980 Nov;13(11):1331–5

The effect of clomid and other triphenylethylene derivatives during pregnancy and the neonatal period. Clark JH, et al. **J Steroid Biochem** 1980 Jan;12:47–53

Competitive inhibition by danazol of oestradiol binding to rabbit and ovine uterine oestradiol receptor. Cook DB, et al. **J Steroid Biochem** 1980 Nov;13(11):1325–9

Steroid structure and function--IX. Molecular conformation and receptor binding of isomeric analogs of D-homo-estradiol. Duax WL, et al. **J Steroid Biochem** 1981 Jan;14(1):1–7

Estrogen binding in the rat uterus: heterogeneity of sites and relation to uterotrophic response. Eriksson HA, et al. **J Steroid Biochem** 1980 Jan;12:121–30

Estrogen receptors in epithelial and stromal cells of human endometrium in culture. Fleming H, et al. **J Steroid Biochem** 1980 Jan;12:169–74

Estrogen receptor in breast cancer: a Scatchard analysis of plasma protein interference. Goldenberg K, et al. **J Steroid Biochem** 1980 Nov;13(11):1265–8

The ether-catalyzed dissociation rate of estradiol-receptor complex distinguishes between hormone-sensitive and resistant rat mammary tumors. Hollander VP, et al. **J Steroid Biochem** 1980 Jan;12:131–4

Characteristics of estrogen binding in uterine cytosol during the perinatal period in the rat. Kimmel GL, et al. **J Steroid Biochem** 1980 Jan;12:73–5

Aromatization of testosterone and oestrogen receptor levels in human breast cancer. Li K, et al. **J Steroid Biochem** 1981 Mar;14(3):269–72

Biological activity of [127I] and [125I] estradiol analogs in vitro and in vivo. Longcope C, et al. **J Steroid Biochem** 1981 Mar;14(3):261–8

Progesterone and dexamethasone antagonism of uterine growth: a role for a second nuclear binding site for estradiol in estrogen action. Markaverich BM, et al. **J Steroid Biochem** 1981 Feb;14(2):125–32

5 alpha-Dihydrotestosterone nuclear receptor and RNA polymerases activity in the male rat anterior pituitary (in vitro studies). Mercier L, et al. **J Steroid Biochem** 1980 Jan;12:355–9

Estrogen receptors and estrogen-induced gene expression in the rat mammary glands and uteri during pregnancy and lactation: changes in progesterone receptor and RNA polymerase activity. Mohla S, et al. **J Steroid Biochem** 1981 Jun;14(6):501–8

Estrogen concentrations and effect of estradiol on progesterone receptors in the fetal and new-born guinea-pigs. Pasqualini JR, et al. **J Steroid Biochem** 1980 Jan;12:65–72

Estrogen-binding properties of cytoplasmic and nuclear estrogen receptors in the presence of Triton X-100. Pavlik EJ, et al. **J Steroid Biochem** 1980 Dec;13(12):1433–41

Nuclear translocation and interactions of the estrogen receptor in uterus and mammary tumors. Rochefort H, et al. **J Steroid Biochem** 1980 Jan;12:135–42

Detection of estrogen receptor-like high affinity components by exposure of cytosols from mouse Leydig cell tumor or male rat liver to chaotropic salts. Sato B, et al. **J Steroid Biochem** 1981 Jun;14(7):619–24

DNA binding ability of estrogen receptor from human breast cancer. Sato B, et al. **J Steroid Biochem** 1981 Mar; 14(3):295–303

Sequential steroid hormone treatment antagonizes the action of estrogen in chick oviduct. Seaver SS, et al. **J Steroid Biochem** 1980 Nov;13(11):1269–76

Estrogen receptors in the fetal mouse. Stumpf WE, et al. **J Steroid Biochem** 1980 Jan;12:55–64

Estrogen receptor and peroxidase activity in epithelial ovarian carcinomas. Holt JA, et al. **JNCI** 1981 Aug; 67(2).307–18

Differential interaction of antiestrogens with cytosol estrogen receptors. Black LJ, et al. **Mol Cell Endocrinol** 1981 Apr; 22(1):95–103

High-affinity binding to the estrogen receptor of [3H]4-hydroxytamoxifen, an active antiestrogen metabolite. Borgna JL, et al. **Mol Cell Endocrinol** 1980 Oct; 20(1):71–85

Diethylpyrocarbonate inhibition of estradiol receptor binding to oligonucleotides. Gross SC, et al. **Mol Cell Endocrinol** 1981 Jun;22(3):371–84

Transformation of the estrogen-receptor complex from chick oviduct in 2 steps. Gschwendt M, et al. **Mol Cell Endocrinol** 1980 Dec;20(3):251–60

Problems associated with dose response in steroid-hormone activation of structural genes. Leake RE. **Mol Cell Endocrinol** 1981 Jan;21(1):1–13 (94 ref.)

Hormonal regulation of cytoplasmic estrogen and progesterone receptors in the beagle uterus and oviduct. Lessey BA, et al. **Mol Cell Endocrinol** 1981 Feb; 21(2):171–80

Nuclear progesterone and estradiol receptors in deciduomata induced in ovariectomised rats. McConnell KN, et al. **Mol Cell Endocrinol** 1980 Nov;20(2):191–204

Conformational analysis of nonsteroidal estrogens: The effect of conformer populations on the binding affinity of meso- and dl-hexestrol to the estrogen receptor. Kilbourn MR, et al. **Mol Pharmacol** 1981 May;19(3):388–98

Oestrogen receptor levels and vitellogenin synthesis during development of Xenopus laevis. May FE, et al. **Nature** 1981 Aug 27;292(5826):853–5

Equilibrium: the intracellular distribution of steroid receptors. Sheridan PJ, et al. **Nature** 1979 Dec 6;282(5739):579–82

High-affinity anti-oestrogen binding site distinct from the oestrogen receptor. Sutherland RL, et al. **Nature** 1980 Nov 20;288(5788):273–5

An oestrogen receptor activator protein in rat uterine cytosol. Thampan TN, et al. **Nature** 1981 Mar 12;290(5802):152–4

Assessment of estrogen receptor--histone interactions. Kallos J, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):2874–8

Specificity of oligodeoxynucleotide binding of mouse uterine cytosol estradiol receptors. Kumar SA, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3341–5

Heterogeneity of estrogen binding sites: relationship to estrogen receptors and estrogen responses. Clark JH, et al. **Recent Prog Horm Res** 1980;36:89–134 (62 ref.)

2-hydroxyestradiol-17 alpha and 4-hydroxyestradiol-17 alpha, catechol estrogen analogs with reduced estrogen receptor affinity. Merriam GR, et al. **Steroids** 1980 Jul; 36(1):13–20

Comparative properties of the catechol estrogens, I: methylation by catechol-O-methyltransferase and binding to cytosol estrogen receptors. Merriam GR, et al. **Steroids** 1980 Jul;36(1):1–11

Progesterone regulation of estrogen receptor in the rat uterus: a primary inhibitory influence on the nuclear fraction. Okulicz WC, et al. **Steroids** 1981 Apr;37(4):463–70

Boron estrogens: synthesis, biochemical and biological testing of estrone and estradiol-17 beta 3-carboranylmethyl ethers. Sweet F. **Steroids** 1981 Feb;37(2):223–38

Estrogen receptors in acoustic neurilemmomas. Kasantikul V, et al. **Surg Neurol** 1981 Feb;15(2):105–9

Estrogen receptor in rat thymus cytosol. Imanishi Y, et al. **Tokai J Exp Clin Med** 1980 Jul;5(3):263–7

[Estrogen and androgen receptors in patients with acne vulgaris (author's transl)] Schmidt JB, et al. **Arch Dermatol Res** 1980;268(2):207–15 (Eng. Abstr.) **(Ger)**

[Oestrogen receptors and prognosis in breast cancer] Rainer H, et al. **Wien Klin Wochenschr** 1980 Nov 21;92(22):796–803 (Eng. Abstr.) **(Ger)**

[Studies on specific markers of hormone-dependence in endometrial carcinoma : estradiol receptors and uterine peroxidase (author's transl)] Morikawa S, et al. **Acta Obstet Gynaecol Jpn** 1981 Mar;33(3):339–43 (Eng. Abstr.) **(Jpn)**

[Fundamental study of endocrine therapy for renal cell carcinoma--estrogen receptor in normal kidneys and renal cell carcinomas (author's transl)] Nakano E, et al. **Nippon Hinyokika Gakkai Zasshi** 1980 Jun;71(6):580–8 (Eng. Abstr.) **(Jpn)**

[Studies on the interrelationship among serum estrogen levels, estrogen receptors (unbound cytoplasmic, bound cytoplasmic and bound nuclear), RNA syntheses and protein syntheses in the normal endometrial tissues (author's transl)] Kim PY. **Nippon Naibunpi Gakkai Zasshi** 1980 Sep 20;56(9):1151–71 (Eng. Abstr.) **(Jpn)**

[The effects of estradiol on uterine estrogen receptor and thymidine kinase in immature and spayed-adult rats (author's transl)] Sakamoto S, et al. **Nippon Naibunpi Gakkai Zasshi** 1980 Jul 20;56(7):926–32 (Eng. Abstr.) **(Jpn)**

[Plasma estradiol concentration and uterine estrogen receptor in adult rats after steroid administration (author's transl)] Udagawa H. **Nippon Naibunpi Gakkai Zasshi** 1980 Sep 20; 56(9):1172–81 (Eng. Abstr.) **(Jpn)**

[Multicomponent system of estrogen-binding proteins of the liver. Isolation and comparative properties of 4-5S and other rat liver high molecular weight proteins, which specifically bind estradiol] Kondrat'ev IaIu, et al. **Biokhimiia** 1980 Nov;45(11):2065–75 (Eng. Abstr.) **(Rus)**

[Cytoplasm to nucleus translocation patterns of different forms of hepatic estrogen receptors] Mataradze GD, et al. **Biull Eksp Biol Med** 1981 May;91(5):568–71 (Eng. Abstr.) **(Rus)**

[Binding of a series of estrogens to the estrogen receptor system of guinea pig hypothalamo-hypophyseal structures] Shchedrina RN, et al. **Biull Eksp Biol Med** 1980 Oct; 90(10):478–80 (Eng. Abstr.) **(Rus)**

[Characteristics of the endometrial estrogen-receptor system in physiological and various pathological states of the body] Alekseeva ML, et al. **Probl Endokrinol (Mosk)** 1980 Jul-Aug;26(4):26–8 (Eng. Abstr.) **(Rus)**

[Dynamics of changes in the estradiol receptor content in the nuclear fraction of the hypothalamus of female rats during ontogenesis] Babichev VN, et al. **Probl Endokrinol (Mosk)** 1980 Jul-Aug;26(4):55–60 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Uterine receptors and fertility regulation. Gautray JP, et al. **Acta Eur Fertil** 1980 Sep;11(3):185–98 (33 ref.)

Results of oophorectomy by menstrual and estrogen receptor states in patients with metastatic breast cancer. Peetz ME, et al. **Am J Surg** 1981 May;141(5):554–8

Autoradiographic studies of estrogen target cells in the forebrain of larval lamprey, Petromyzon marinus. Kim YS, et al. **Brain Res** 1981 Apr 6;210(1-2):53–60

Estrogen receptor protein and its correlation to recurrent breast cancer. A study of 213 patients at the Pennsylvania Hospital. Lerner HJ, et al. **Cancer Clin Trials** 1981;4(1):17–9

Regulation of steroid hormone receptor activity. Muldoon TG. **Endocr Rev** 1980 Fall;1(4):339–64 (269 ref.)

Fundamental aspects of oestrogens: intracellular receptors and gene activation. Keir HM. **Scott Med J** 1980 Apr; 25(2):135–40

[Regulation of receptors for estrogen and progesterone (author's transl)] Kato J. **Horumon To Rinsho** 1981 Jan; 29(1):79–83 **(Jpn)**

[Modulators of functions of steroid receptor (author's transl)] Sato B. **Horumon To Rinsho** 1981 Jan;29(1):71–8 **(Jpn)**

[Menstrual cycle hormonal indices and the characteristics of the endometrial estrogen receptor system in patients with external endometriosis suffering from sterility] Shchedrina RN, et al. **Akush Ginekol (Mosk)** 1980 Oct;(10):30–3 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Effects of ionizing irradiation on the estradiol and progesterone receptors in rat mammary tumors. Janssens JP, et al. **Cancer Res** 1981 Feb;41(2):703–7

RECEPTORS, FC

Acquired pure red-cell aplasia associated with an increase of T cells bearing receptors for the Fc of IgG. Linch DC, et al. **Acta Haematol (Basel)** 1981;65(4):270–4

Human lymphocyte surface markers after allogeneic activation: increase of Fc receptors-bearing cells. Meroni PL, et al. **Boll Ist Sieroter Milan** 1979 Mar 31;58(1):52–6

Receptors specific for IgE on rat alveolar and peritoneal macrophages. Boltz-Nitulescu G, et al. **Cell Immunol** 1981 Mar 15;59(1):106–14

The specificity of receptors for IgA on human peripheral polymorphonuclear cells and monocytes. Fanger MW, et al. **Cell Immunol** 1981 May 15;60(2):324–34

Responsiveness in the mixed leukocyte reaction by nu/nu mouse cells bearing Thy-1 antigen and lacking Fc receptors. Feneck MM, et al. **Cell Immunol** 1981 Jan 15; 57(2):339–47

Studies on Fc receptor function. II. Depressive effect of aggregated IgG2b on B lymphocyte activation by T-dependent and T-independent antigens. La Via MF, et al. **Cell Immunol** 1980 Sep 1;54(2):362–72

Detection of soluble immune complexes by their binding to Fc receptors on mastocytoma cells. Targowski SP, et al. **Cell Immunol** 1980 Sep 1;54(2):478–86

Chicken lymphocyte FCR binding properties of IgG from avian and non-avian species. Morton CJ, et al. **Dev Comp Immunol** 1980 Summer;4(3):565–9

Suppression of mitogen-induced peripheral B cell differentiation by soluble Fc gamma receptors released from lymphocytes. Lêthibichthuy, et al. **Eur J Immunol** 1980 Nov;10(11):894–8

Stimulation of murine B cells with anti-Ig antibodies: dominance of a negative signal mediated by the Fc receptor. Tony HP, et al. **Eur J Immunol** 1980 Sep; 10(9):726–9

Fc-dependent binding of monocytes to areas with endothelial injury in the rabbit aorta. Hansson GK, et al. **Exp Mol Pathol** 1981 Jun;34(3):264–80

Fc receptors on human neutrophils: electron microscopic study of natural surface distribution. An T. **Immunology** 1980 May;40(1):1–8

The participation of human peripheral blood lymphocytes with Fc receptors for IgG or IgM in the fetal bovine serum induction of amplifier cell activity. Golightly MG, et al. **J Clin Lab Immunol** 1980 Nov;4(3):181–8

Characterization of the Fc receptor for IgG on a human macrophage cell line, U937. Anderson CL, et al. **J Immunol** 1980 Dec;125(6):2735–41

Murine lymphocytes expressing Fc receptors for IgE (FcR epsilon). I. Conditions for inducing FcR epsilon + lymphocytes and inhibition of the inductive events by suppressive factor of allergy (SFA). Chen SS, et al. **J Immunol** 1981 Jul;127(1):166–73

Functional characteristics of TG and TnonG cells in a three party MLR. Gebel HM, et al. **J Immunol** 1981 Jan; 126(1):118–21

MLC-conditioned media stimulate an increase in Fc receptors on human macrophages. Guyre PM, et al. **J Immunol** 1981 Feb;126(2):666–8

Putative conformation of mouse Fc gamma-receptor. Kahn-Perles B, et al. **J Immunol** 1980 Sep;125(3):1360–6

Isolation of biosynthetically-labeled Fc-binding proteins from detergent lysates and spent culture fluid of a macrophage-like cell line (P388D1). Loube SR, et al. **J Immunol** 1980 Sep;125(3):970–5

Heterogeneity of Fc-receptors on guinea pig T lymphocytes. Ricardo MJ Jr. **J Immunol** 1980 Nov;125(5):2009–16

Fc (IgG) receptors on rat basophilic leukemia cells. Segal DM, et al. **J Immunol** 1981 Jan;126(1):138–45

Receptors for IgA on rabbit lymphocytes. I. Distribution, specificity, and modulation. Stafford HA, et al. **J Immunol** 1980 Dec;125(6):2461–6

Demonstration of IgG-Fc and C3 receptors on adult Schistosoma mansoni. Tarleton RL, et al. **J Immunol** 1981 Jan;126(1):379–84

Lymphocytes bearing Fc receptors for IgE. VII. Possible participation of phospholipase A2 in the glycosylation of

IgE-binding factors. Yodoi J, et al. **J Immunol** 1981 Aug; 127(2):476–82

Detection of Fc gamma receptors on human lymphoblastoid cell surfaces using a simple solid phase radioimmunoassay specific for human IgG. Barel M, et al. **J Immunol Methods** 1980;37(2):123–31

Increased sensitivity of rosetting assay for Fc receptors obtained by using non-hemagglutinating monoclonal antibodies. Kerbel RS. **J Immunol Methods** 1980;34(1):1–10

The characterisation of Fc receptors on cells from the metrial gland of the pregnant rat uterus. Bray J, et al. **J Reprod Immunol** 1979 JUL;1(2):109–15

Structure of the IgE Fc receptor. Kulczycki A Jr. **J Reticuloendothel Soc** 1980 Dec;28(Suppl):29s–34s (35 ref.)

ANALYSIS

Fc gamma and Fc mu receptors in B cell neoplasms. Correlation to the developmental stages. Hattori T, et al. **Acta Haematol (Basel)** 1980;63(5):247–51

Increase in T cells bearing IgG Fc receptors in peripheral blood of patients with tuberculosis by in vitro stimulation with purified protein derivative. Tsuyuguchi I, et al. **Am Rev Respir Dis** 1980 Jun;121(6):951–7

Histamine-binding receptors and Fc receptors of T lymphocytes in SLE. Szegedi G, et al. **Ann Immunol Hung** 1979;19:137–41

Lymphocytes bearing Fc gamma receptors in rheumatoid arthritis. I. An increased subpopulation of cells in rheumatoid arthritis detected with Facb rosettes. Hall ND, et al. **Ann Rheum Dis** 1980 Dec;39(6):554–8

Lymphocyte surface markers in sheep blood and lymph. Outteridge PM, et al. **Aust J Exp Biol Med Sci** 1981 Apr; 59(Pt 2):143–55

Fc-receptor-bearing cells in spleen of mice injected with cell-free Ehrlich ascites fluid (EAF). Gabrilovac J, et al. **Blut** 1980 Oct;41(4):269–76

Fc gamma receptors receptors on fetal rat brain cells during neoplastic transformation in culture after exposure to ethylnitrosourea in vivo. Haugen A, et al. **Cancer Lett** 1979 Dec;8(2):97–102

Lack of Fc receptors on osteoclasts. Hogg N, et al. **Cell Tissue Res** 1980;212(3):509–16

Which Fc receptor-bearing cells are detected with the Ripley assay? Andersson TR, et al. **Clin Exp Immunol** 1981 Apr; 44(1):167–72

Identification of three FcR-positive T cell subsets (T gamma, T mu and T gamma mu) in the cerebrospinal fluid of multiple sclerosis patients. Merrill JE, et al. **Clin Exp Immunol** 1980 Nov;42(2):345–54

Identification of mononuclear cells in human blood. II. Evaluation of morphological and immunological aspects of native and formaldehyde-fixed cell populations. Schuit HR, et al. **Clin Exp Immunol** 1980 Sep;41(3):567–74

Demonstration of IgG Fc receptors on spermatozoa and their utilization for the detection of circulating immune complexes in human serum. Witkin SS, et al. **Clin Exp Immunol** 1980 Sep;41(3):441–52

Erythrocytes coated with anti-Rh Ripley react with both the T and the non-T lymphocytes active in antibody-dependent cell-mediated cytotoxicity. Dobloug JH, et al. **Clin Immunol Immunopathol** 1980 Sep;17(1):102–9

Human renal glomeruli possiss no Fc gamma receptors. Matre R, et al. **Clin Immunol Immunopathol** 1980 Oct; 17(2):157–62

Fc and C3 receptor patterns on two EBV- negative Burkitt lymphoma lines during acute exposure to EBV (P3HR-1 substrain). Jønsson V, et al. **Eur J Cancer** 1981 Feb; 17(2):161–5

Electron microscopic study of IgG-Fc receptors on tumor cells of human gastric carcinoma. Igari S, et al. **Fukushima J Med Sci** 1979;26(3–4):141–7

Detection of liver IgG Fc receptors using soluble immune complexes of peroxidase-antiperoxidase. I. Detection in liver tissue from patients with liver diseases. Shinohara T. **Gastroenterol Jpn** 1981;16(2):141–51

Detection of liver IgG Fc receptors using soluble immune complexes of peroxidase-antiperoxidase. II. Detection in liver tissue from mice with D-galactosamine-induced hepatitis. Shinohara T. **Gastroenterol Jpn** 1981;16(2):152–60

Natural clusterings of Fc receptors on human neutrophils--not affected by the cytoskeletal reagents. An T, et al. **Immunology** 1981 Jul;43(3):503–12

Fc gamma-receptor activity of isolated human placental syncytiotrophoblast plasma membrane. Brown PJ, et al. **Immunology** 1981 Feb;42(2):313–9

Expansion of Fc receptor-bearing T lymphocytes in patients with immunoglobulin G and immunoglobulin A myeloma. Hoover RG, et al. **J Clin Invest** 1981 Jan;67(1):308–11

A major subpopulation of Fc receptor-bearing lymphocytes revealed by rosette formation in dextran media: studies with pig, sheep and rat lymphocytes. Binns RM, et al. **J Immunol Methods** 1981;43(2):153–62

Abnormalities of T lymphocyte subsets in patients with progressive systemic sclerosis (PSS, scleroderma). Inoshita T, et al. **J Lab Clin Med** 1981 Feb;97(2):264–77

Immunoglobulin and complement receptor-bearing cells in cultures of mouse decidual tissue. Kirkwood KJ. **J Reprod Fertil** 1981 Jul;62(2):345–52

Immunoglobulins and immunoglobulin receptors associated with human malignant tumors. Krishnan EC, et al. **J Surg Oncol** 1981;16(1):93–101

Human macrophage function in cancer: systemic and local changes detected by an assay for Fc receptor expression. Rhodes J, et al. **JNCI** 1981 Mar;66(3):423–9

Receptors for IgA on human lymphocytes--I. detection and specificity. Fanger MW, et al. **Mol Immunol** 1981 Mar; 18(3):189–95

Human placental membrane receptor for IgG-I. Studies on properties and solubilization of the receptor. Niezgódka M, et al. **Mol Immunol** 1981 Mar;18(3):163–72

Biochemical properties of biologically active Fc gamma receptors of human B lymphocytes. Suzuki T, et al. **Mol Immunol** 1981 Jan;18(1):55–65

Subpopulations of human peripheral granulocyes and monocytes express receptors for IgA. Fanger MW, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3640–4

Fc (IgG) receptor distributions in homogeneous and heterogeneous cell populations by flow microfluorometry. Titus JA, et al. **Proc Natl Acad Sci USA** 1981 Jan; 78(1):519–23

The search for Fc receptors on human tissues and human endothelial cells in culture. Shingu M, et al. **Proc Soc Exp Biol Med** 1981 Jun;167(2):147–55

Fc and C3 receptors as membrane differentiation markers of acute myelogenous leukaemia cells. Harlozinska A, et al. **Scand J Haematol** 1980 Sep;25(3):205–13

Immunoprecipitation of the solubilized membrane receptor for IgE of human cultured lymphoblastoid cells. Fritsche R, et al. **Scand J Immunol** 1981;13(3):225–30

Functional and biochemical characteristics of human 'null' lymphoid cells. Despont JP, et al. **Transplantation** 1981 Apr;31(4):251–6

Functional studies on histiocytic and interdigitating reticulum cells from human lymphoid tissue. Müller-Hermelink HK, et al. **Virchows Arch [Cell Pathol]** 1981;37(2):217–24

Ripley-like serum and other anti-Rh sera in detection of Fc receptor-bearing human lymphocytes. Mašlanka K, et al. **Vox Sang** 1981 Apr;40(4):273–7

[Detection of Tmu and Tgamma lymphocytes by double rosette technique (author's transl)] Harada H, et al. **Rinsho Byori** 1980 Sep;28(9):878–81 **(Jpn)**

[Studies on the determination of IgG-Fc receptor bearing cells and T gamma-cells of human lymphocytes--with a special reference to the comparison of EA rosette method and double rosette methods (author's transl)] Iho S, et al. **Rinsho Byori** 1980;28(6):591–6 **(Jpn)**

[Thymocyte receptors reacting with erythrocytes and the Fc-fragment of IgG] Bezvershenko IA, et al. **Biull Eksp Biol Med** 1980 Oct;90(10):451–3 (Eng. Abstr.) **(Rus)**

[Characteristics of Fc IgG receptors on the surface of formalinized sheep erythrocytes] Levi MI. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Apr;(4):63–7 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

IgG-Fc-binding receptors in cells abortively infected, or transformed, by human cytomegalovirus. Gönczöl E, et al. **Acta Microbiol Acad Sci Hung** 1981;28(2):157–64

Induction of Fc gamma receptors on a subpopulation of human T lymphocytes by adenosine and impromidine, an H2-histamine agonist. Birch RE, et al. **Cell Immunol** 1981 Jan 15;57(2):455–67

DRUG EFFECTS

The effect of ampicillin on the expression of Fc-IgG receptors on human peripheral blood lymphocytes. Skopinska-Rozewska E, et al. **Biomedicine** 1981 May; 35(2):41–2

The effect of the plant lectins phytohaemagglutinin and concanavalin A on human T cell populations bearing receptors for IgG and IgM. Gomez-Reino J, et al. **Clin Exp Immunol** 1980 Aug;41(2):372–9

Neuraminidase treatment of human T lymphocytes: effect on Fc receptor phenotype and function. Schulof RS, et al. **Clin Exp Immunol** 1980 Jun;40(3):611–9

Effect of angiotensin II on the Fc receptor activity of rat macrophages. Dezsö B, et al. **Immunology** 1981 Feb; 42(2):277–83

Fc receptors on human T lymphocytes. V: Effects of colchicine and cytochalasin B on Fc receptor expression. Reaman GH, et al. **J Immunol** 1980 Nov;125(5):2215–9

Tetrapeptides of the eosinophil chemotactic factor of anaphylaxis (ECF-A) enhance eosinophil Fc receptor. Capron M, et al. **Nature** 1981 Jan 1;289(5793):71–3

IMMUNOLOGY

The group A streptococcal receptor for human IgA binds IgA via the Fc-fragment. Schalén C. **Acta Pathol Microbiol Scand [C]** 1980 Oct;88C(5):271–4

Neutrophil surface markers in patients with acute leukemia. Hofmeister BG, et al. **Blood** 1981 Feb;57(2):372–6

Fc receptors on IgM and IgG antibody-forming cells in an early immune response. Kakiuchi T, et al. **Cell Immunol** 1981 Jun;61(1):124–33

Effects of antibodies to MHC gene products on different Fc-receptor-mediated cell functions. Thorsteinsson L, et al. **Cell Immunol** 1981 Mar 15;59(1):187–94

Serum-mediated inhibition of lymphocyte Fc gamma receptors in glomerulonephritis. Bakkaloglu A, et al. **Clin Exp Immunol** 1980 Dec;42(3):490–4

Detection of Fc-receptor-bearing human lymphocytes. The majority of Tmu cells carry HLA-DR antigens. Dobloug JH, et al. **Clin Immunol Immunopathol** 1981 May; 19(2):224–37

Host cell analysis of a rapidly metastasizing mouse tumor and derived low-metastatic variant lines. Kerbel RS, et al. **Contemp Top Immunobiol** 1980;10:239–53

Intratumor host cells of experimental rat neoplasms: characterization and effector function. Moore M, et al. **Contemp Top Immunobiol** 1980;10:109–42

Mononuclear cells and IgG associated with human malignant tissue. Tønder O, et al. **Contemp Top Immunobiol** 1980; 10:167–76

Active and passive re-expression of Fc gamma receptors on human lymphocytes. Samarut C, et al. **Eur J Immunol** 1980 May;10(5):352–8

IgG Fc-binding receptors on spermatozoa. Sethi KK, et al. **Eur J Immunol** 1980 Dec;10(12):964–5

Evidence that C1q, a subcomponent of the first component of complement, is an Fc receptor of peritoneal and alveolar macrophages. Loos M, et al. **Immunobiology** 1980 Apr; 157(1):54–61

Mouse spleen cells are sensitized sheep red blood cells: an Fc-rosette-forming system allowing the detection of 'activated' Fc structures. Seiler FR, et al. **Immunobiology** 1981;158(3):254–69

Effect of lymphokine on the activation and Fc receptor expression of rat macrophages. Dezso B, et al. **Immunol Lett** 1981 Jun;3(2):87–91

Functional aspects of IgM and IgG Fc receptors on murine T lymphocytes. Andersson B, et al. **Immunol Rev** 1981; 56:5–50 (61 ref.)

Characterization and function of T cell Fc gamma receptor. Fridman WH, et al. **Immunol Rev** 1981;56:51–88 (141 ref.)

Occurrence and potential significance of increased numbers of T cells with Fc receptors in myeloma. Hoover RG, et al. **Immunol Rev** 1981;56:115–39 (27 ref.)

Receptors for immunoglobulins on resting and activated human T cells. Moretta L, et al. **Immunol Rev** 1981; 56:141–62 (93 ref.)

In vitro functions of human T cells expressing Fc-IgG or Fc-IgM receptors. Pichler WJ, et al. **Immunol Rev** 1981; 56:163–97 (113 ref.)

Lymphocytes bearing Fc receptors for IgE. Spiegelberg HL. **Immunol Rev** 1981;56:199–218 (56 ref.)

Peritoneal exudate T lymphocytes with specificity to sheep red blood cells. IV. Fc receptors on specific peritoneal exudate lymphocytes and their role in delayed-type hypersensitivity reactions. Jabbar-S-Ahmed, et al. **Immunology** 1981 Feb;42(2):185–90

Antibody penetration into living cells. V. Interference between two fc gamma receptor-mediated functions: antibody penetration and antibody-dependent cellular cytotoxicity. Llerena JM, et al. **Immunology** 1981 Jun; 43(2):249–54

Fc receptors of rat peritoneal macrophages: immunoglobulin class specificity and sensitivity to drugs affecting the microfilament or microtubule system. Medgyesi GA, et al. **Immunology** 1980 Jul;40(3):317–23

Isotype specificity of Fc gamma-receptors on guinea-pig T lymphocytes and their modulation by homologous immune complexes. Ricardo MJ Jr. **Immunology** 1981 Mar; 42(3):459–67

IgM-Fc receptor-mediated phagocytosis of rat macrophages. Uher F, et al. **Immunology** 1981 Mar;42(3):419–25

Role of the cytoskeleton in the Fc receptor activity of rat peritoneal macrophages. Fóris G, et al. **Int Arch Allergy Appl Immunol** 1981;65(2):138–43

Specificity of fc receptors for IgG2a, IgG1/IgG2b, and IgE on rat macrophages. Boltz-Nitulescu G, et al. **J Exp Med** 1981 Aug 1;154(2):374–84

A new Fc receptor on mouse macrophages binding IgG3. Diamond B, et al. **J Exp Med** 1981 Mar 1;153(3):514–9

Interactions between lymphocyte membrane molecules. I. Interaction between B lymphocyte surface IgM and Fc IgG receptors requires ligand occupancy of both receptors. Dickler HB, et al. **J Exp Med** 1981 May 1;153(5):1329–43

Effects of soluble immune complexes on Fc receptor- and C3b receptor-mediated phagocytosis by macrophages. Griffin FM Jr. **J Exp Med** 1980 Oct 1;152(4):905–19

Structural evidence for distinct IgG subclass-specific Fc receptors on mouse peritoneal macrophages. Lane BC, et al. **J Exp Med** 1980 Nov 1;152(5):1147–61

Fc receptors for IgE on human and rat eosinophils. Capron M, et al. **J Immunol** 1981 Jun;126(6):2087–92

Increased Fc receptor activity in monocytes from patients with rheumatoid arthritis: a study of monocyte binding and catabolism of soluble aggregates of IgG in vitro. Katayama S, et al. **J Immunol** 1981 Aug;127(2):643–7

Mechanism of Thy-1-mediated T cell activation: roles of Fc receptors, T200, Ia, and H-2 glycoproteins in accessory cell function. Maino VC, et al. **J Immunol** 1981 May; 126(5):1829–36

Fc receptors for IgE on a subpopulation of human peripheral blood monocytes. Melewicz FM, et al. **J Immunol** 1980 Sep;125(3):1026–31

Increased peripheral blood monocytes with Fc receptors for IgE in patients with severe allergic disorders. Melewicz FM, et al. **J Immunol** 1981 Apr;126(4):1592–5

Human killer cells and natural killer cells: distinct subpopulations of Fc receptor-bearing lymphocytes. Neville ME. **J Immunol** 1980 Dec;125(6):2604–9

Growth of 17D yellow fever virus in a macrophage-like cell line, U937: role of Fc and viral receptors in

antibody-mediated infection. Schlesinger JJ, et al. **J Immunol** 1981 Aug;127(2):659-65

Modulation of Fc-receptor expression and Fc-mediated phagocytosis in variants of a macrophage-like cell line. Schneck J, et al. **J Immunol** 1981 Feb;126(2):745-9

Characterization of ligand-binding activity of isolated murine Fc gamma receptor. Schneider RJ, et al. **J Immunol** 1981 Feb;126(2):735-40

Alterations in T gamma cells in patients with chronic idiopathic thrombocytopenic purpura. Trent R, et al. **J Immunol** 1981 Aug;127(2):621-6

Lymphocytes bearing Fc receptors for IgE. V. Effect of tunicamycin on the formation of IgE-potentiating factor and IgE-suppressive factor by con A-activated lymphocytes. Yodoi J, et al. **J Immunol** 1981 Mar; 126(3):877-82

Lymphocytes bearing Fc receptors for IgE. VI. Suppressive effect of glucocorticoids on the expression of Fc epsilon receptors and glycosylation of IgE-binding factors. Yodoi J, et al. **J Immunol** 1981 Aug;127(2):471-6

Mixed rosette assay for the detection of T mu and T gamma lymphocytes. Cnossen J, et al. **J Immunol Methods** 1980; 36(3-4):197-209

A requirement for native (undenatured) IgG for detection of species specificity of the IgG-Fc receptor on lymphocytes. Stout RD. **J Immunol Methods** 1981; 40(1):7-16

The roles of the Fc and C3 receptors in the phagocytosis and killing of bacteria by human phagocytes. Horwitz MA. **J Reticuloendothel Soc** 1980 Dec;28(Suppl):17s-26s

Interferon-induced enhancement of Fc receptor-mediated macrophage phagocytosis. Rabinovitch M, et al. **J Reticuloendothel Soc** 1980 Dec;28(Suppl):27s-28s (7 ref.)

Mouse macrophage Fc receptors. Unkeless JC. **J Reticuloendothel Soc** 1980 Dec;28(Suppl):11s-16s (24 ref.)

Defective Fc-receptor functions associated with the HLA-B8/DRw3 haplotype: studies in patients with dermatitis herpetiformis and normal subjects. Lawley TJ, et al. **N Engl J Med** 1981 Jan 22;304(4):185-92

Isolation and partial chemical characterization of the IgG Fc receptor of human T lymphocytes and production of an antiserum. Cunningham-Rundles C, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3645-48

Suppressive activity of cell-free ascites obtained from murine tumors. Soluble Fc receptor as a possible active agent. Gabrilovac J, et al. **Res Exp Med (Berl)** 1981;178(2):131-40

A comparative study between Fc receptor bearing cells and antibody dependent cell cytotoxicity in cancer patients. Gutiérrez F, et al. **Rev Esp Fisiol** 1980 Sep;36(3):243-7

Suppressor activity of T cells bearing Fc receptors for IgG on lymphoid colony formation. Canonica GW, et al. **Scand J Immunol** 1980;12(6):507-11

Mitogenic responsiveness of human T-lymphocyte subpopulations: regulation by suppressive Fc-receptor-bearing T cells and influence of fractionation procedures. Dillner-Centerlind ML, et al. **Scand J Immunol** 1980;12(1):13-21

A comparison of EA-Rosette formation on lymphocytes using rabbit and human sensitizing antibodies. Dunne JV, et al. **Scand J Immunol** 1981;13(2):189-97

Activation of human platelets in PRP via their Fc-receptor by antigen-antibody complexes or immunoglobulin G: requirement for particle-bound fibrinogen. Pfueller SL, et al. **Thromb Res** 1980 Oct 1;20(1):97-108

Human T cell subpopulations as defined by Fc receptors. Gupta S, et al. **Thymus** 1979 Nov;1(3):135-49 (66 ref.)

Lymphocyte subsets in human thymus: expression of IgM-Fc receptor by peanut agglutinin positive and negative thymocytes. Musiani P, et al. **Thymus** 1981;2(4-5):225-33

[Human lymphocyte receptors for the Fc ends of IgG] Revillard JP, et al. **C R Soc Biol (Paris)** 1980;174(4):686-701 (Eng. Abstr.) **(Fre)**

[Separation and characterization of human T G and T M lymphocyte populations] Mariani E, et al. **Boll Soc Ital Biol Sper** 1980 Aug 15;56(15):1590-6 (Eng. Abstr.) **(Ita)**

[Effect of sera from patients with rheumatoid arthritis on the availability of Fc receptor of the lymphocytes of normal subjects] Pazdur J, et al. **Reumatologia** 1980;18(2):151-6 (Eng. Abstr.) **(Pol)**

[Mechanism of EA-rosette formation blockade by antisera against cell surface antigens] Bogdanova IM, et al. **Biull Eksp Biol Med** 1980 Oct;90(10):453-6 (Eng. Abstr.) **(Rus)**

[Thymocyte receptors reacting with red blood cells and Fc portion of immunoglobulin G] Bezvershenko IA, et al. **Ukr Biokhim Zh** 1980 Jul-Aug;52(4):486-9 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Studies on properties of guinea pig peritoneal macrophage Fc receptor. Janusz M, et al. **Arch Immunol Ther Exp (Warsz)** 1980;28(2):275-85

Identification of T lymphocytes with Fc receptors for IgG in normal Indians. Singh S, et al. **Indian J Med Res** 1980 Sep;72:385-8

Purificaton of a functional mouse Fc receptor through the use of a monoclonal antibody. Mellman IS, et al. **J Exp Med** 1980 Oct 1;152(4):1048-69

Characterization of functional Fc receptor material from human lymphoblastoid cell lines--I. Large scale purification and biochemical analysis. Takacs BJ. **Mol Immunol** 1980 Oct;17(10):1293-314

[Heart valve fibroblast Fc receptor study and the search for similar receptors in other tissues] Danilova TA, et al. **Biull Eksp Biol Med** 1980 Aug;90(8):186-9 (Eng. Abstr.) **(Rus)**

METABOLISM

Multiple sclerosis serum and cerebrospinal fluid immunoglobulin binding to Fc receptors of oligodendrocytes. Ma BI, et al. **Ann Neurol** 1981 Apr; 9(4):371-7

Tissue distribution of IgA receptor-bearing cells in mouse and guinea pig with special reference to the lymphoid population of the gastrointestinal tract. Arnaud-Battandier F, et al. **Cell Immunol** 1980 Sep 15;55(1):106-13

The involvement of a preformed cytoplasmic receptor pool in the reexpression of Fc receptors following their interaction with various antibodies. Sármay G, et al. **Cell Immunol** 1980 Dec;56(2):452-64

Effect of adenosine deaminase inhibitors on Fc mu receptor expression in human T-cell cultures. Zuckerman SH, et al. **Cell Immunol** 1980 Nov;56(1):112-9

Release and reconstitution of Fc receptors from normal human mononuclear cells. Papamichail M, et al. **Immunology** 1980 May;40(1):47-52

Fc receptor-bearing blood mononuclear cells in thyroid disorders: increased levels in patients with subacute thyroiditis. Chartier B, et al. **J Clin Endocrinol Metab** 1980 Nov;51(5):1014-8

Platelet Fc receptor. Increased expression in myeloproliferative disease. Moore A, et al. **J Clin Invest** 1981 Apr;67(4):1064-71

New method that uses binding of immunoglobulin A to group A streptococcal immunoglobulin A Fc receptors for demonstration of microbial immunoglobulin A protease activity. Lindahl L, et al. **J Clin Microbiol** 1981 May; 13(5):991-3

Macrophage receptors for IgE: binding of IgE to specific IgE Fc receptors on a human macrophage cell line, U937. Anderson CL, et al. **J Immunol** 1981 Jun;126(6):2470-3

Alterations in intramembrane particle distribution during interaction of erythrocyte-bound ligands with immunoprotein receptors: effect of the membrane mobility agent A2C on immunologic and nonimmunologic ligand binding. Douglas SD, et al. **J Reticuloendothel Soc** 1980 Aug;28(2):91-101

Asymmetric Fc receptor distribution on human PMN oriented in a chemotactic gradient. Walter RJ, et al. **Nature** 1980 Aug 14;286(5774):724-5

Proteolytic cleavage of IgG bound to the Fc receptor of Schistosoma mansoni schistosomula. Auriault C, et al. **Parasite Immunol** 1981 Spring;3(1):33-44

Receptor-mediated endocytosis of antibody-opsonized liposomes by tumor cells. Leserman LD, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4089-93

Target selectivity of interferon-induced human killer lymphocytes related to their Fc receptor expression. Masucci MG, et al. **Proc Natl Acad Sci USA** 1980 Jun; 77(6):3620-4

[Biphasic peroxidase in the study of Fc receptors of leukemic lymphocytes] Meshkov T, et al. **Eksp Med Morfol** 1981; 20(1):33-9 (Eng. Abstr.) **(Bul)**

[The significance of Fc-IgG and Fc-IgM receptors on human T-lymphocytes (author's transl)] Pichler WJ. **Klin Wochenschr** 1981 Feb 2;59(3):99-109 (87 ref.) (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Fc receptor mediated immune regulation and gene expression. Cowan FM, et al. **Biomedicine** 1980 Oct; 32(3):108-10 (45 ref.)

Evidence for two mechanisms of dengue virus infection of adherent human monocytes: trypsin-sensitive virus receptors and trypsin-resistant immune complex receptors. Daughaday CC, et al. **Infect Immun** 1981 May;32(2):469-73

Macrophage function in alloxan-diabetic mice: expression and activity of Fc receptors. Ptak W, et al. **J Clin Lab Immunol** 1981 Mar;5(2):121-4

The role of aggregation in the function of the IgE Fc receptors. Fewtrell C, et al. **J Reticuloendothel Soc** 1980 Dec;28(Suppl):35s-42s (34 ref.)

Mechanisms of glucocorticoid-induced immunosuppression: inhibitory effects on expression of Fc receptors and production of T-cell growth factor. Crabtree GR, et al. **J Steroid Biochem** 1980 Jan;12:445-9

Effect of circulating immune complexes on Fc and C3 receptors of Kupffer cells in vivo. Nishi T, et al. **Lab Invest** 1981 May;44(5):442-8

Defective Fc-receptor functions with the HLA-B8/DRw3 haplotype [letter] Bartolotti SR. **N Engl J Med** 1981 Aug 6;305(6):346

Roles of macrophage Fc and C3b receptors in phagocytosis of immunologically coated Cryptococcus neoformans. Griffin FM Jr. **Proc Natl Acad Sci USA** 1981 Jun; 78(6):3853-7

RECEPTORS, GLUCOCORTICOID see under **RECEPTORS, STEROID**

RECEPTORS, HISTAMINE

A technique for the flow cytometric analysis of lymphocytes bearing histamine receptors. Osband ME, et al. **Blood** 1980 Nov;56(5):923-5

Mast cell histamine, a local mitogen acting via H2-receptors in nearby tissue cells. Norrby K. **Virchows Arch [Cell Pathol]** 1980;34(1):13-20

ANALYSIS

Histamine receptor in bullfrog gastric mucosa. Hersey SJ. **Am J Physiol** 1981 Aug;241(2):G93-7

Histamine-binding receptors and Fc receptors of T lymphocytes in SLE. Szegedi G, et al. **Ann Immunol Hung** 1979;19:137-41

H2-receptors in the human ocular surface. Abelson MB, et al. **Arch Ophthalmol** 1981 Feb;99(2):302-4

Histaminergic H1 and H2 excitatory receptors in the guinea pig uterus and taenia coli. Patel NM, et al. **Can J Physiol Pharmacol** 1980 Dec;58(12):1500-3

Histamine H1- and H2-receptors in the mesenteric vascular bed of the pig. Schrauwen E, et al. **Eur J Pharmacol** 1981 May 22;71(4):509-13

Characterization of the high-affinity binding sites of [3H]histamine in rat brain. Barbin G, et al. **Mol Pharmacol** 1980 Jul;18(1):1-10

Histiocytosis-X. Osband ME, et al. **N Engl J Med** 1981 Jan 15;304(3):146-53

The distribution of histamine H1-receptors in the rat brain: an autoradiographic study. Palacios JM, et al. **Neuroscience** 1981;6(1):15-37

[Histamine receptor bearing mononuclear cells in children with atopic dermatitis (author's transl)] Ponvert C, et al. **Ann Dermatol Venereol** 1980 Jun;107(6):543-7 (Eng. Abstr.) **(Fre)**

[Importance of determining histamine and the histaminopexic index in bronchial asthma during imuran therapy] Latysh VN, et al. **Voen Med Zh** 1981 Feb;(2):32-5 **(Rus)**

ANTAGONISTS & INHIBITORS

Effects of an H2 receptor antagonist in the sheep. Nicholson T. **Zentralbl Veterinaermed [A]** 1980 Jul;27(5):429-32

DRUG EFFECTS

Clonidine-induced lipolysis in dog adipocytes by stimulation of histamine (H2)-receptors. Berlan M, et al. **Arch Int Pharmacodyn Ther** 1981 Feb;249(2):213-20

Alternation by histamine receptor agonists of the release of adrenergic transmitter in the isolated perfused rabbit kidney. Ercan ZS, et al. **Arch Int Pharmacodyn Ther** 1981 Feb;249(2):203-12

Opiate agonists inhibit noradrenaline release via opiate B-receptors and N-cyclopropylmethylnorazidomorphine (CAM) blocks electrically evoked contractions via histamine in the mouse vas deferens. Knoll J, et al. **Arch Int Pharmacodyn Ther** 1981 May;251(1):52-65

Impromidine, a potent inhibitor of histamine methyltransferase (HMT) and diamine oxidase (DAO). Beaven MA, et al. **Biochem Pharmacol** 1980 Oct 15; 29(20):2897-900

Specific activation of cyclic AMP-dependent protein kinase(s) by H2-histamine agonists in isolated gastric mucosal cells from guinea-pig. Mangeat P, et al. **Biochim Biophys Acta** 1980 May 22;629(3):604-8

Effect of impromidine (SK&F 92676) on the isolated papillary muscle of the guinea-pig. Bertaccini G, et al. **Br J Pharmacol** 1981 Feb;72(2):197-9

Structure-activity relationships of clonidine- and tolazoline-like compounds at histamine and alpha-adrenoceptor sites. Malta E, et al. **Br J Pharmacol** 1980 Aug;69(4):679-88

Histamine actions on activity of cultured hypothalamic neurons: evidence for mediation by H1- and H2-histamine receptors. Geller HM. **Brain Res** 1981 Jan;227(1):89-101

GABA benzodiazepine and histamine-H1 receptors in the guinea pig cerebellum: effects of kainic acid injections studied by autoradiographic methods. Palacios JM, et al. **Brain Res** 1981 Jun 9;214(1):155-62

N,N-Diethyl-2-(1-pyridyl)ethylamine, a partial agonist for the histamine receptor in guinea pig ileum. Kenakin TP, et al. **Can J Physiol Pharmacol** 1980 Nov;58(11):1307-10

The effect of theophylline on histamine H1 and H2 receptor mediated responses in rabbit atria. Polanin A, et al. **Can J Physiol Pharmacol** 1981 Jan;59(1):25-30

Methapyrilene kinetics and dynamics. Calandre EP, et al. **Clin Pharmacol Ther** 1981 Apr;29(4):527-32

Absence of opiate and histamine H2 receptor-mediated effects of clonidine. Watkins J, et al. **Clin Pharmacol Ther** 1980 Nov;28(5):605-10

Mesenteric vascular reactivity to histamine receptor agonists and antagonists. Walus KM, et al. **Dig Dis Sci** 1981 May; 26(5):438-43

Histamine H1- and H2-receptors in the gastric vasculature of the rabbit. Curwain BP, et al. **Eur J Pharmacol** 1981 May 22;71(4):515-9

Extended mepyramine treatment and histamine H1-receptors in guinea-pig brain. Hill SJ, et al. **Eur J Pharmacol** 1981 May 22;71(4):421-8

Interaction of alpha-adrenergic imidazolines with cardiac histamine H2-receptors. Zavecz JH, et al. **Eur J Pharmacol** 1981 May 8;71(2-3):297-306

Stimulation of acid and pepsin secretions in fistulated cats by dimaprit-like compounds. Impicciatore M, et al. **Farmaco [Sci]** 1980 May;35(5):418–24

Gastric mucosal blood flow and acid secretory changes in man with impromidine: a new specific histamine-H2-receptor agonist. McIsaac RL, et al. **Gut** 1981 Jul;22(7):529–33

Physicochemical properties of the H2-receptor antagonist cimetidine. Vochten R, et al. **J Pharm Pharmacol** 1980 Dec; 32(12):863–6

Species differences in the contractile response to two specific histamine H1-receptor agonists: 2-(2-pyridyl)-ethylamine and 2-(2-aminoethyl)-thiazole. Vohra MM. **J Pharm Pharmacol** 1981 Feb;33(2):104–6

Cyclic nucleotides and contraction/relaxation in airway muscle: H1 and H2 agonists and antagonists. Duncan PG, et al. **J Pharmacol Exp Ther** 1980 Nov;215(2):434–42

Histamine H-2 receptor stimulation and inhibition of pepsin secretion in the dog. Hirschowitz BI, et al. **J Pharmacol Exp Ther** 1981 Sep;218(3):676–80

[3H]Mianserin: differential labeling of serotonin and histamine receptors in rat brain. Peroutka SJ, et al. **J Pharmacol Exp Ther** 1981 Jan;216(1):142–8

Histaminergic mechanisms involved in the centrally mediated effects of ouabain. Tackett RL, et al. **J Pharmacol Exp Ther** 1980 Dec;215(3):552–6

Prostacyclin-induced hypothermia: involvement of central histamine H2-receptors. Kandasamy SB, et al. **Life Sci** 1981 Jun 1;28(22):2553–60

Histamine stimulates brain phospholipid turnover through a direct, H-1 receptor-mediated mechanism. Subramanian N, et al. **Life Sci** 1980 Oct 6;27(14):1315–9

Pharmacological specificity of brain histamine H2-receptors differs in intact cells and cell-free preparations. Dam Trung Tuong M, et al. **Nature** 1980 Oct 9;287(5782):548–51

Some central effects of impromidine, a potent agonist of histamine H2 receptors. Pilc A, et al. **Neuropharmacology** 1980 Oct;19(10):947–50

Comparison of H2 receptor agonists in rabbit atria and aorta. Tenner TE Jr. **Pharmacology** 1981;22(4):227–34

Tricyclic antidepressant drug interactions with histamine and alpha-adrenergic receptors. Snyder SH. **Pharmakopsychiatr Neuropsychopharmakol** 1980 Mar; 13(2):62–7

Microvascular protein efflux: interaction of histamine and H1 receptors. Kozlowski T, et al. **Proc Soc Exp Biol Med** 1981 Feb;166(2):263–70

Inhibitory histamine receptors in the rat vas deferens. Liao CS, et al. **Res Commun Chem Pathol Pharmacol** 1981 Jan; 31(1):173–6

Cardiac contractile and metabolic effects mediated via the myocardial H2-receptor adenylate cyclase system. Characterization of two new specific H2-receptor agonists, impromidine and dimaprit, in the guinea pig and human myocardium. Baumann G, et al. **Res Exp Med (Berl)** 1981; 179(1):81–98

The new histamine H2-receptor antagonist ranitidine. Duration of action. Dammann HG, et al. **Res Exp Med (Berl)** 1981;178(2):151–4

Histamine H1- and H2-receptors in canine renal artery in vivo and in vitro. Morcillo E, et al. **Rev Esp Fisiol** 1981 Mar;37(1):75–82

Histamine H2 receptors and intrinsic factor secretion. Sharpe PC, et al. **Scand J Gastroenterol** 1980;15(3):377–84

[Presence and function of H2-histamine receptors at the cardiac and vascular level in humans: pharmcodynamic study with selective stimulation and blocking] Arcidiacono R, et al. **Clin Ter** 1980 May 15;93(3):329–39 (Eng. Abstr.) **(Ita)**

[Imidazole H2-antagonists and H2-angonists: effects of 5-alkyl substitution] Vitali T, et al. **Farmaco [Sci]** 1980 May; 35(5):366–79 (Eng. Abstr.) **(Ita)**

[Peroral tidazin test in the study of gastric secretion] Trusov VV, et al. **Klin Med (Mosk)** 1981 Jan;59(1):45–8 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

H1-receptor dependence of histamine-induced enhancement of human eosinophil C3b rosettes. Anwar AR, et al. **Clin Exp Immunol** 1980 Oct;42(1):196–9

Histamine regulates lymphocyte mitogenic responses through activation of specific H1 and H2 histamine receptors. Ogden BE, et al. **Immunology** 1980 Sep;41(1):107–14

Depression of neutrophil chemotaxis in atopic individuals. An H2 histamine receptor response. Radermecker M, et al. **Int Arch Allergy Appl Immunol** 1981;65(2):144–52

ISOLATION & PURIFICATION

Detection of histamine binding sites (receptors) in Tetrahymena by fluorescence technique. Kovács P, et al. **Acta Biol Med Ger** 1980;39(2–3):237–41

Histamine binding proteins separated from human sera by the chromatographic method. Chachaj W, et al. **Arch Immunol Ther Exp (Warsz)** 1980;28(6):947–51

METABOLISM

Receptors acting through adenylate cyclase in the CNS. Wollemann M. **Acta Physiol Acad Sci Hung** 1980; 55(4):299–304 (21 ref.)

Species differences in histamine receptors in the vas deferens. Vohra MM. **Agents Actions** 1981 May;11(3):208–14

Presence of histamine and serotonin receptors associated with adenylate cyclase in cultured calf-aorta smooth muscle cells. Pharmacological characterization of the histamine response. Luchins AR, et al. **Biochem Pharmacol** 1980 Dec 1;29(23):3155–61

Histamine receptors in normal human bronchi. Eiser NM, et al. **Clin Sci** 1980 Jun;58(6):537–44

High affinity binding of tricyclic antidepressants to histamine H1-receptors: fact and artifact. Taylor JE, et al. **Eur J Pharmacol** 1980 Oct 3;67(1):41–6

[3H]doxepin interactions with histamine H1-receptors and other sites in guinea pig and rat brain homogenates. Tran VT, et al. **Eur J Pharmacol** 1981 Apr 9;70(4):501–9

Histamine 2-receptor-mediated immunomodulation in the mouse. II. Immunomodulation by the H2 antagonist metiamide. van Dijk H, et al. **Int J Immunopharmacol** 1980; 2(4):345–52

The effect of histamine and H1 and H2 receptors on prolactin and luteinizing hormone release in humans: sex differences and the role of stress. Pontiroli AE, et al. **J Clin Endocrinol Metab** 1981 May;52(5):924–8

Histamine-sensitive adenylate cyclase in hypothalamus of rat brain: H1 and H2 receptors. Portaleone P, et al. **J Neurochem** 1978 Dec;31(6):1371–4

Ontogeny of histaminergic neurotransmission in the rat brain: concomitant development of neuronal histamine, H-1 receptors, and H-1 receptor-mediated stimulation of phospholipid turnover. Subramanian N, et al. **J Neurochem** 1981 Mar;36(3):1137–41

3H-Mepyramine binding to histamine H1-receptors in guinea pig lung: characteristics and regulation by ions. Lombroso M, et al. **Life Sci** 1981 Feb 9;28(6):705–13

Is airway hyperactivity in asthma due to histamine H2-receptor deficiency? Chand N. **Med Hypotheses** 1980 Nov;6(11):1105–12

PHARMACODYNAMICS

Histamine H1, H2 receptor effects on mechanics of ventilation and gas exchange in neonatal calves. Slocombe RF, et al. **Am J Vet Res** 1981 May;42(5):764–9

PHYSIOLOGY

Distribution and classification of airway histamine receptors: the physiological significance of histamine H2-receptors. Chand N. **Adv Pharmacol Chemother** 1980;17:103–31 (190 ref.)

The involvement of central histamine receptors in stress-induced responses of serum corticosterone and free fatty acids and in gastric ulcer development. Bugajski J, et al. **Agents Actions** 1981 Apr;11(1–2):151–5

The role of histamine in wound healing. II. The effect of antagonists and agonists of histamine receptors (H1 and H2) on collagen levels in granulation tissue. Dabrowski R, et al. **Agents Actions** 1981 Apr;11(1–2):122–4

A modulation of the anaphylactic basophil histamine release by selective H2 histamine agonists. Kazimierczak W, et al. **Agents Actions** 1981 Apr;11(1–2):96–8

Effect of histamine on the spontaneous E rosette formation after blockade of histamine H2 receptors with cimetidine. Malolepszy J, et al. **Arch Immunol Ther Exp (Warsz)** 1980; 28(6):891–4

Effect of histamine H1- and H2-receptor agonists on gamma-aminobutyric acid (GABA) content in hypothalamus and striatum of the rat brain. Nowak JZ, et al. **Arch Immunol Ther Exp (Warsz)** 1980;28(6):917–20

The role of histamine H-receptors in the anaphylactic histamine release from human basophilic leukocytes. Szczepaniak K, et al. **Arch Immunol Ther Exp (Warsz)** 1980; 28(6):879–83

Biochemical analysis of specific histamine HI and H2 receptors on lymphocytes. Osband ME, et al. **Blood** 1981 Jul;58(1):87–90

The current status of histamine receptors in human skin: therapeutic implications. Davies MG, et al. **Br J Dermatol** 1981 May;104(5):601–6

Evaluation of the role of Histamine H1- and H2-receptors in cutaneous inflammation in the guinea-pig produced by histamine and mast cell degranulation. Owen DA, et al. **Br J Pharmacol** 1980 Aug;69(4):615–23

H2-Receptors mediate increases in permeability of the blood-brain barrier during arterial histamine infusion. Gross PM, et al. **Brain Res** 1981 Apr 6;210(1–2):396–400

Histamine receptors and cyclic AMP. McNeill JH. **Can J Physiol Pharmacol** 1980 Sep;58(9):1023–30 (99 ref.)

Characterization of the histamine receptors in rabbit left atria. Polanin A, et al. **Can J Physiol Pharmacol** 1981 Jan; 59(1):19–24

The characterization of cardiac histaminergic chronotropic receptors in the rabbit. Polanin A, et al. **Can J Physiol Pharmacol** 1981 Jan;59(1):14–8

The role of histamine receptors in asthma. Eiser NM, et al. **Clin Sci** 1981 Apr;60(4):363–70

Occurrence of inhibitory histamine H2-receptors in isolated pulmonary blood vessels of dogs and rats. Chand N, et al. **Experientia** 1980 Oct 15;36(10):1186–7

Temperature dependent receptor interconversion hypothesis: chronotropic histamine receptors in isolated guineapig atria. Tripathi KD, et al. **Indian J Exp Biol** 1980 Oct; 18(10):1156–8

Role of H1- and H2-receptors in airway reactions to histamine in conscious sheep. Ahmed T, et al. **J Appl Physiol** 1980 Nov;49(5):826–33

Pulmonary vascular histamine receptors in newborn and young lambs. Goetzman BW, et al. **J Appl Physiol** 1980 Sep;49(3):380–5

Role of histamine H1-and H2-receptors in the cardiovascular system of the rabbit. Sakai K. **J Cardiovasc Pharmacol** 1980 Sep-Oct;2(5):607–17

Parathyroid hormone secretion in normal man and in primary hyperparathyroidism: role of histamine H2 receptors. Williams GA, et al. **J Clin Endocrinol Metab** 1981 Jan; 52(1):122–7

Accumulations of cyclic AMP in adenine-labeled cell-free preparations from guinea pig cerebral cortex: role of alpha-adrenergic and H1-histaminergic receptors. Daly JW, et al. **J Neurochem** 1980 Aug;35(2):326–37

pH-dependent activity of H1- and H2-histamine receptors in guinea-pig gallbladder. La Morte WW, et al. **J Pharmacol Exp Ther** 1981 Jun;217(3):638–44

The involvement of histamine receptor subtypes in gastric acid secretion and mucosal blood flow in the anaesthetized rabbit. Curwain BP, et al. **J Physiol (Lond)** 1981 Feb; 311:431–42

Role of histamine H2-receptors in gastric and pancreatic release of somatostatin-like immunoreactivity during the gastric phase of meal. Schusdziarra V, et al. **Regul Pept** 1981 Feb;1(5):353–63

The role of histamine and histamine receptors in the pathogenesis and treatment of erosive gastritis. Gurll NJ, et al. **World J Surg** 1981 Mar;5(2):181–7

[A common pool of adenylate cyclase for different types of afferent receptors] Zamboni P, et al. **Boll Soc Ital Biol Sper** 1980 May 15;56(9):925–31 (Eng. Abstr.) **(Ita)**

RECEPTORS, HISTAMINE H1 see under **RECEPTORS, HISTAMINE**

RECEPTORS, HISTAMINE H2 see under **RECEPTORS, HISTAMINE**

RECEPTORS, HORMONE

see related
RADIOLIGAND ASSAY

Newer theoretical considerations on the phylo- and ontogenetic development of hormone receptors. Csaba G. **Acta Biol Acad Sci Hung** 1980;31(4):465–74

Regulation of ovarian LH/HCG receptors in immature rats after injection of HCG. Siebers JW. **Arch Gynecol** 1980; 229(4):265–9

Myasthenia gravis and premature ovarian failure. Kuki S, et al. **Arch Intern Med** 1981 Aug;141(9):1230–2

Phagocytosis-induced modulation of human neutrophil chemotaxis receptors. Lane TA, et al. **Blood** 1981 Aug; 58(2):228–36

Regulation of vascular angiotensin II receptors in the rat during altered sodium intake. Aguilera G, et al. **Circ Res** 1981 Sep;49(3):751–8

Molecular weight of detergent-solubilized prostaglandin-F2 alpha receptor from bovine corpora lutea. Kyldén U, et al. **Eur J Biochem** 1980 Aug;109(2):489–94

Anatomical relationships between estrogen target sites and peptidergic-aminergic neurons: multiple activation of heterogeneous systems (MAHS). Stumpf WE, et al. **Exp Brain Res** 1981;Suppl 3:18–28 (42 ref.)

Parathormone receptor binding and the influence of membrane degradation of the hormone. Juppner H, et al. **J Immunoassay** 1980;1(1):39–55

Lowering plasma cholesterol by raising LDL receptors [editorial] Brown MS, et al. **N Engl J Med** 1981 Aug 27; 305(9):515–7

Sequence homologies between tonin, nerve growth factor gamma-subunit, epidermal growth factor-binding protein and serine proteases. Lazure C, et al. **Nature** 1981 Jul 23; 292(5821):383–4

Where is the spawning reflex receptor for neurohypophysial peptides in the killifish, Fundulus heteroclitus? Pickford GE, et al. **Rev Can Biol** 1980 Jun;39(2):97–105

[Dosage of hormonal receptors for DHT in programming therapy for prostatic cancer] Reggiani A, et al. **Acta Urol Belg** 1980 Jan;48(1):79–84 **(Fre)**

ADVERSE EFFECTS

Prostaglandin I2 modifies both prolactin binding capacity and fluidity of mouse liver membranes. Dave JR, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6597–600

ANALYSIS

Effect of neonatal hypothyroidism on maturation of nuclear triiodothyronine (T3) receptors in developing rat brain. Ishiguro K, et al. **Acta Endocrinol (Copenh)** 1980 Dec; 95(4):495–9

Gel filtration and sedimentation behaviour of receptor-gonadotrophin complexes from rat ovary. Jääskeläinen K, et al. **Acta Endocrinol (Copenh)** 1981 Jun; 97(2):258–69

A study of angiotensin II binding sites in human placenta, chorion, and amnion. Cooke SF, et al. **Am J Obstet Gynecol** 1981 Jul 15;140(6):689–92

Ligand: a versatile computerized approach for characterization of ligand-binding systems. Munson PJ, et

al. **Anal Biochem** 1980 Sep 1;107(1):220–39
Dynamics of hormone receptors on cell membrane. Schlessinger J. **Ann NY Acad Sci** 1981;366:274–84
Determination and properties of proteohormone receptors in malignant gynecological tumors with special reference to lactogen receptors in human breast cancer. Bohnet HG. **Arch Gynecol** 1980;229(4):333–44
Regulation of LH/HCG receptors during the ovarian cycle in rats. Müller U, et al. **Arch Gynecol** 1980;230(2):137–42
Serum glycoprotein hormone alpha subunit, hormone receptors and disease stage in patients with breast cancer. MacFarlane IA, et al. **Br J Cancer** 1980 Nov;42(5):645–50
Immunofluorescent detection of hormone receptors in cutaneous melanocytic tumours. Thompson AJ, et al. **Br J Cancer** 1981 May;43(5):644–53
The occurrence of multiple steroid hormone receptors in disease-free and neoplastic human ovary. Galli MC, et al. **Cancer** 1981 Mar 15;47(6):1297–302
Comments on 'identification and characterization of the high affinity vascular angiotensin II receptor in rat mesenteric artery' [letter] Ardaillou R. **Circ Res** 1981 Sep;49(3):821–3
Steroid hormones and cancer. Hadden JW. **Clin Bull** 1980; 10(3):121–6
Methods for ligand-receptor assays in clinical chemistry. Smith RG, et al. **Clin Chem** 1980 Apr;26(5):543–50 (54 ref.)
Revision of the standards for the assessment of hormone receptors in human breast cancer; report of the second E.O.R.T.C. Workshop, held on 16–17 March, 1979, in the Netherlands Cancer Institute. **Eur J Cancer** 1980 Nov; 16(11):1513–5
Autoradiographic localization of CCK receptors in guinea pig brain. Zarbin MA, et al. **Eur J Pharmacol** 1981 May 8;71(2–3):349–50
Localization of receptor-human chorionic gonadotropin complex to the surface of the luteal and interstitial glandular cells in the pseudopregnant rat ovaries with the peroxidase-antiperoxidase (PAP) complex method. Karjalainen M, et al. **Histochemistry** 1981;70(2):161–6
Autoradiographic localization of serum retinol-binding protein receptors on the pigment epithelium of dystrophic rat retinas. Bok D, et al. **Invest Ophthalmol Vis Sci** 1980 Dec;19(12):1405–14
Immunologic cross-reactivity of the low density lipoprotein receptor from bovine adrenal cortex, human fibroblasts, canine liver and adrenal gland, and rat liver. Beisiegel U, et al. **J Biol Chem** 1981 Apr 25;256(8):4071–8
Demonstration of two subtypes of insulin-like growth factor receptors by affinity cross-linking. Kasuga M, et al. **J Biol Chem** 1981 Jun 10;256(11):5305–8
Somatostatin binding factor from chicken pancreas. Diel F, et al. **J Clin Chem Clin Biochem** 1981 Feb;19(2):99–107
Absence of LH-RH binding sites in corpora lutea from rhesus monkeys (Macacca mulatta). Asch RH, et al. **J Clin Endocrinol Metab** 1981 Jul;53(1):215–17
Determination of a specific receptor for formyl-methionyl-leucyl-phenylalanine on th pulmonary alveolar macrophage and its relationship to chemotaxis and superoxide production. Spilberg I, et al. **J Lab Clin Med** 1981 May;97(5):602–9
Visualization of thrombin receptors on mouse embryo fibroblasts using fluorescein-amine conjugated human alpha-thrombin. Carney DH. **J Supramol Struct** 1980; 13(4):467–78
Thrombin receptors on human endothelial cells: a morphologic study. Stein MN, et al. **J Ultrastruct Res** 1981 Feb;74(2):156–64
Microscopic aspects of receptor-mediated endocytosis. Willingham MC. **JAMA** 1980 Nov 7;244(18):2092
Affinity labeling of angiotensin II receptors in the isolated rat uterus with a photolabile antagonist. Kwok YC, et al. **Mol Pharmacol** 1980 Sep;18(2):210–4
A method for mapping peptide receptors. Schwyzer R, et al. **Naturwissenschaften** 1981 Feb;68(2):95–6
Direct visualization of receptors for thyrotropin-releasing hormone with a fluorescein-labeled analog. Halpern J, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):587–91
Identification and quantification of the rat hepatocyte asialoglycoprotein receptor. Schwartz AL, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3348–52
Somatostatin receptors: identification and characterization in rat brain membranes. Srikant CB, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3930–4
Thyrotropin binding and adenylate cyclase stimulation in thyroid neoplasms. Clark OH, et al. **Surgery** 1981 Aug; 90(2):252–61
Problems associated with I-125 oxytocin binding to membrane receptors. Kim IK, et al. **Yonsei Med J** 1980; 21(1):24–35
[Hereditary in the pathology of cell receptors] Brunecký Z. **Vnitr Lek** 1980 Oct;26(10):1007–15 (Eng. Abstr.) **(Cze)**
[Histological quantification of neoplastic cells in breast cancers: correlation with assay of hormonal receptors] Bellocq JP, et al. **C R Soc Biol (Paris)** 1981;175(1):91–5 (Eng. Abstr.) **(Fre)**
[Comparison of biochemical parameters (hormone receptors, protein kinase) and thermographic results in cancers of the breast] Stucki D, et al. **Gynakol Rundsch** 1981;21 Suppl 1:112–6 (Eng. Abstr.) **(Fre)**
[Hormone receptors in breast cancer. Thoughts on the use of their determination as a test of hormone dependence in a hospital routine (author's transl)] Martin PM, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1979;8(7):593–601 (Eng. Abstr.) **(Fre)**
[Pituitary LHRH receptor sites: quantification with a superactive analog as tracer, structure-function relationship, and change during castration in male rats (author's transl)] Aubert ML, et al. **J Physiol (Paris)** 1980 Jul;76(3):207–18 (Eng. Abstr.) **(Fre)**
[Hypophyseal GnRH receptors. A minireview (author's transl)] Bérault A, et al. **J Physiol (Paris)** 1980 Jul; 76(3):199–205 (26 ref.) (Eng. Abstr.) **(Fre)**
[Contribution to the study of labeled neurohypophysial hormones. Preliminary data on the properties of the macromolecular compound: vasopressin-dextran (author's transl)] Burlet C, et al. **J Physiol (Paris)** 1980 Jul; 76(3):249–54 (Eng. Abstr.) **(Fre)**
[Basic principles for characterization of hormonal membrane receptors. Application to assay methods (author's transl)] Garnier J. **J Physiol (Paris)** 1980 Jul;76(3):189–97 (Eng. Abstr.) **(Fre)**
[Steroid hormone receptors in perianal tumors in dogs] Elling H, et al. **Berl Muench Tieraerztl Wochenschr** 1981 Jan 15; 94(2):33–5 (Eng. Abstr.) **(Ger)**
[Endocrine therapy only in hormone-receptor-positive breast neoplasms] Bohnet HG, et al. **Med Klin** 1980 Nov 7;75(23):818–22 **(Ger)**
[Hormone receptors in breast cancer] Navarra S, et al. **Minerva Med** 1981 May 19;72(20):1277–82 (Eng. Abstr.) **(Ita)**
[Cyclic-AMP-dependent protein kinase activity in the soluble thyrotropin receptor complex (author's transl)] Hashizume K. **Horumon To Rinsho** 1981 Jan;29(1):37–41 **(Jpn)**
[Human thyroid TSH receptors and adenylate cyclase (author's transl)] Konishi J, et al. **Horumon To Rinsho** 1981 Jan;29(1):43–8 **(Jpn)**
[Properties of thyrotropin releasing hormone (TRH) receptors in CNS (author's transl)] Ogawa N, et al. **Horumon To Rinsho** 1981 Jan;29(1):49–53 **(Jpn)**
[Biochemical properties of PRL receptor (author's transl)] Ohgo S. **Horumon To Rinsho** 1981 Jan;29(1):17–21 **(Jpn)**
[Thyrotropin receptors in normal and pathological human thyroid tissues (author's transl)] Takahashi H. **Horumon To Rinsho** 1981 Feb;29(2):173–5 **(Jpn)**
[Characteristics of hepatic GH receptor from rabbit (author's transl)] Tsushima T. **Horumon To Rinsho** 1981 Jan; 29(1):9–15 **(Jpn)**
[Presence of specific bradykinin receptors in arterial and venous smooth muscle] Vedernikov IuP, et al. **Biull Eksp Biol Med** 1981;91(1):14–6 (Eng. Abstr.) **(Rus)**
[Partial resistance to thyroid hormones in a patient with a euthyroid goiter (author's transl)] Gómez Sáez JM, et al. **Med Clin (Barc)** 1981 May 10;76(9):412–6 (Eng. Abstr.) **(Spa)**
[Human red blood cells as specific growth hormone receptors (author's transl] Solís-Wallckermann J, et al. **Rev Invest Clin** 1981 Jan-Mar;33(1):37–43 (Eng. Abstr.) **(Spa)**

ANTAGONISTS & INHIBITORS

Membrane receptors for very low density lipoprotein (VLDL) inhibitor of lymphocyte proliferation. Yi PI, et al. **Blood** 1981 Jun;57(6):1055–64
Demonstration of luteinizing hormone/human chorionic gonadotrophin receptor-binding inhibitor in aqueous extracts of frozen human corpus luteum. Kumari GL, et al. **Horm Res** 1980;13(1):57–67
Presence of LH/hCG receptor binding inhibitor in sheep corpora lutea. Kumari GL. **Indian J Exp Biol** 1981 Jan; 19(1):16–9
2-Amino-5-phosphonovalerate (2APV), a potent and selective antagonist of amino acid-induced and synaptic excitation. Davies J, et al. **Neurosci Lett** 1981 Jan 1; 21(1):77–81
[Ulcer therapy with the gastrin receptor antagonist proglumide. Results of the field study] Rehner M, et al. **Med Welt** 1981 May 15;32(20):792–4 **(Ger)**

BIOSYNTHESIS

Experimental study of hormone receptor development in a unicellular model system. Csaba G, et al. **Exp Cell Biol** 1981;49(3):173–6

BLOOD

Identification of human mononuclear leukocytes bearing receptors for somatostatin and glucagon. Bhathena SJ, et al. **Diabetes** 1981 Feb;30(2):127–31
Lysosomal enzyme activities and low density lipoprotein receptors in circulating mononuclear cells. Effect of insulin therapy in diabetic patients. Henze K, et al. **Diabetologia** 1981 Jun;20(6):625–9

DEFICIENCY

Deficiency of low density lipoprotein receptors in liver and adrenal gland of the WHHL rabbit, an animal model of familial hypercholesterolemia. Kita T, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2268–72

DRUG EFFECTS

The interaction of sialidase-treated hCG with ovarian cellular membranes. Brand EC, et al. **Acta Endocrinol (Copenh)** 1981 Jun;97(2):270–80
Potentiation of prostaglandin E2-induced release of LH by the prostaglandin analogue, 7-oxa-13-prostynoic acid. Warberg J. **Acta Endocrinol (Copenh)** 1981;97(3):297–304
Long lasting amplification and deformation of thyroid receptors after thyrotropin (TSH) and gonadotropin (GTH) treatment of chickens in the foetal period. Nagy SU, et al. **Acta Physiol Acad Sci Hung** 1980;56(3):303–7
Structure/activity studies at a baclofen-sensitive, bicuculline-insensitive GABA receptor. Bowery NG, et al. **Adv Biochem Psychopharmacol** 1981;29:333–41
Potassium ion as a regulator of adrenal angiotensin II receptors. Douglas JG. **Am J Physiol** 1980 Nov; 239(5):E317–21
Role of receptors and the cytoskeleton in reverse transformation and steroidogenesis induced by interferon. Chany C, et al. **Ann NY Acad Sci** 1980;350:254–65
The influence of sodium gamma-hydroxybutyrate on GABA receptors and catecholamine effect potentiation. Kozhechkin SN. **Arch Int Pharmacodyn Ther** 1981 Apr; 250(2):242–53
Teleocidin B inhibits binding of epidermal growth factor to cellular receptors probably by the same mechanism as phorbol esters. Imai Y, et al. **Biochem Biophys Res Commun** 1980 Dec 16;97(3):926–31
Avermectin B1a: an irreversible activator of the gamma-aminobutyric acid-benzodiazepine-chloride-ionophore receptor complex. Paul SM, et al. **Biochem Biophys Res Commun** 1980 Sep 30;96(2):632–8
Synthesis and biological activities of pseudopeptide analogues of LH-RH: agonists and antagonists. Spatola AF, et al. **Biochem Biophys Res Commun** 1980 Dec 16;97(3):1014–23
GABA receptor pharmacology. Functional considerations. Enna SJ. **Biochem Pharmacol** 1981 May 1;30(9):907–13
Interaction of depressant, convulsant, and anticonvulsant barbiturates with the [3H]diazepam binding site of the benzodiazepine-GABA-receptor-ionophore complex. Ticku MK. **Biochem Pharmacol** 1981 Jun 15;30(12):1573–9
The effect of glucocorticoids on adipocyte corticotropin receptors and adipocyte responses. Behrens CM, et al. **Biochim Biophys Acta** 1981 Feb 5;672(3):268–79
The benzodiazepine--GABA--chloride ionophore receptor complex: common site of minor tranquilizer action. Paul SM, et al. **Biol Psychiatry** 1981 Mar;16(3):213–29
Angiotensin receptors in bovine umbilical artery and their inhibition by nonsteroidal anti-inflammatory drugs. Goodfriend TL, et al. **Br J Pharmacol** 1981 Feb; 72(2):247–55
Gender differences in prostaglandin receptors of rat aorta. Karanian JW, et al. **Br J Pharmacol** 1981 Jan;72(1):10–2
Distinction between the effects of barbiturates, benzodiazepines and phenytoin on responses to gamma-aminobutyric acid receptor activation and antagonism by bicuculline and picrotoxin. Simmonds MA. **Br J Pharmacol** 1981 Jul;73(3):739–47
A comparison of the effects of pentobarbital and diphenylhydantoin on the GABA sensitivity and excitability of adult sensory ganglion cells. Connors BW. **Brain Res** 1981 Mar 2;207(2):357–69
Kainic acid-induced lesion of rat retina: differential effect on cyclic GMP and benzodiazepine and GABA receptors. Guarneri P, et al. **Brain Res** 1981 Mar 23;209(1):216–20
Heterogeneous depression of glucose utilization in the caudate nucleus by GABA agonists. Kelly PA, et al. **Brain Res** 1981 Mar 30;209(2):458–63
GABA benzodiazepine and histamine-H1 receptors in the guinea pig cerebellum: effects of kainic acid injections studied by autoradiographic methods. Palacios JM, et al. **Brain Res** 1981 Jun 9;214(1):155–62
Reduction of [3H]muscimol binding sites in rat dorsal spinal cord after neonatal capsaicin treatment. Singer E, et al. **Brain Res** 1980 Dec 8;202(2):484–7
Increased feeding and hyperglycemia elicited by intracerebroventricular 5-thioglucose. Slusser PG, et al. **Brain Res** 1980 Dec 8;202(2):474–8
Adenosine receptor activation in human fibroblasts: nucleoside agonists and antagonists. Bruns RF. **Can J Physiol Pharmacol** 1980 Jun;58(6):673–91
Increase in testis luteinizing hormone receptor by estrogen in mice susceptible to Leydig cell tumors. Navickis RJ, et al. **Cancer Res** 1981 May;41(5):1646–51
Baroreceptor reflex in the rat after converting enzyme inhibition or angiotensin receptor blockade. Coleman TG, et al. **Clin Exp Pharmacol Physiol** 1981 Jan;8(1):79–82
Effect of hypophysectomy and hormone replacement of hormone receptor levels and the growth of 7,12-dimethylbenz(a)anthracene-induced mammary tumors in the rat. Arafah BM, et al. **Endocrinology** 1980 Nov;107(5):1364–9
Direct inhibitory effect of glucocorticoids upon testicular luteinizing hormone receptor and steroidogenesis in vivo and in vitro. Bambino TH, et al. **Endocrinology** 1981 Jun; 108(6):2142–8
Dose- and age-dependent effects of prolactin (PRL) on luteinizing hormone- and PRL-binding sites in rat leydig cell homogenates. Morris PL, et al. **Endocrinology** 1980 Nov;107(5):1639–45
Receptor binding interactions of the angiotensin II antagonist, 1251-[sarcosine1,leucine8]angiotensin II, with mammalian brain and peripheral tissues. Bennett JP Jr, et al. **Eur J Pharmacol** 1980 Oct 3;67(1):11–25
Regulation of receptor binding interactions of

125I-angiotensin II and
125I-[sarcosine1,leucine8]angiotensin II, an angiotensin antagonist, by sodium ion. Bennett JP Jr, et al. **Eur J Pharmacol** 1980 Oct 3;67(1):1-10

Ethanol enhances [3H]diazepam binding at the benzodiazepine-GABA-receptor-ionophore complex. Burch TP, et al. **Eur J Pharmacol** 1980 Oct 17; 67(2-3):325-6

Effects of antidepressant drugs on different receptors in the brain. Hall H, et al. **Eur J Pharmacol** 1981 Mar 26; 70(3):393-407

Benzodiazepines modify the agonist responses at a presynaptic GABA receptor. Mitchell R. **Eur J Pharmacol** 1980 Dec 5;68(3):369-72

Ethyl beta-carboline-3-carboxylate antagonises the effect of diazepam on a functional GABA receptor. Mitchell R, et al. **Eur J Pharmacol** 1980 Dec 19;68(4):513-4

Induction of beta 1-receptors for kinins in the rabbit by a bacterial lipopolysaccharide. Regoli DC, et al. **Eur J Pharmacol** 1981 Apr 24;71(1):105-15

Pharmacological characterization of neurotensin receptors in the rat isolated portal vein using analogues and fragments of neurotensin. Rioux F, et al. **Eur J Pharmacol** 1980 Sep 5;66(4):273-9

The striatonigral GABA pathway: functional and neurochemical characteristics in rats with unilateral striatal kainic acid lesions. Waddington JL, et al. **Eur J Pharmacol** 1980 Oct 3;67(1):27-32

Theophylline actions on adenosine receptors. Fredholm BB. **Eur J Respir Dis [Suppl]** 1980;61 Suppl 109:29-36 (22 ref.)

Heparin facilitates the induction of LH receptors by FSH in granulosa cells cultured in serum-enriched medium. Nimrod A, et al. **FEBS Lett** 1980 Sep 22;119(1):155-7

Prolactin inhibits the induction of its own renal receptors in Rana catesbeiana tadpoles. White BA, et al. **Gen Comp Endocrinol** 1981 Jan;43(1):30-8

FSH-TSH functional overlap in cockerel testicle. Durable amplification of the hormone receptors by treatment at hatching. Csaba G, et al. **Horm Metab Res** 1981 Mar; 13(3):177-9

Demonstration of luteinizing hormone/human chorionic gonadotrophin receptor-binding inhibitor in aqueous extracts of frozen human corpus luteum. Kumari GL, et al. **Horm Res** 1980;13(1):57-67

Sites of paradoxical action of the LHRH agonist (D-Trp6)-LHRH. Arimura A, et al. **Int J Fertil** 1980; 25(3):151-6

Effect of colchicine on angiotensin receptors in rabbit aorta. Palaić D, et al. **J Cardiovasc Pharmacol** 1981 Jul-Aug; 3(4):876-80

Effects of oestrogen and prostaglandin F2 alpha on luteinizing hormone receptors in human corpora lutea. Nakano R, et al. **J Endocrinol** 1981 Mar;88(3):401-8

Photochemical inactivation of the angiotensin receptor of rabbit aorta by N
alpha-(2-nitro-5-azidobenzoyl)-[1-aspartic acid,5-isoleucine]angiotensin II. Galardy RE, et al. **J Med Chem** 1981 Apr;24(4):362-6

In vitro modulation by avermectin B1a of the GABA/benzodiazepine receptor complex of rat cerebellum. Supavilai P, et al. **J Neurochem** 1981 Mar; 36(3):798-803

Competitive inhibition of gamma-aminobutyric acid receptor binding by
N-2-hydroxyethylpiperazine-N'-2-e-ethanesulfonic acid and related buffers. Tunnicliff G, et al. **J Neurochem** 1981 Mar;36(3):1122-6

Inhibition of neurotransmitter receptor binding by ergot derivatives. Hruska RE, et al. **J Neurosci Res** 1981; 6(1):1-11

Reductions in blood pressure, heart rate and renal sympathetic nervous discharge after imidazole-4-acetic acid: mediation through central gamma-aminobutyric acid (GABA) receptor stimulation. Antonaccio MJ, et al. **J Pharmacol Exp Ther** 1981 Jul;218(1):200-5

Aldosterone and dopamine receptors in the kidney: sites for pharmacologic manipulation of renal function. Adam WR. **Kidney Int** 1980 Nov;18(5):623-35

Inhibition of gamma-aminobutyric acid release by gamma-aminobutyric acid agonist drugs. Pharmacology of the gamma-aminobutyric acid autoreceptor. Brennan MJ, et al. **Mol Pharmacol** 1981 Jan;19(1):27-30

Action of formamidine pesticides on octopamine receptors. Evans PD, et al. **Nature** 1980 Sep 4;287(5777):60-2

Extra-pituitary inhibition of testicular function by luteinising hormone releasing hormone. Hsueh AJ, et al. **Nature** 1979 Sep 6;281(5726):66-7

Adenosine receptor activation by adenine nucleotides requires conversion of the nucleotides to adenosine. Bruns RF. **Naunyn Schmiedebergs Arch Pharmacol** 1980; 315(1):5-13

Characterization of adenosine receptors in rat brain by (-)[3H]N6-phenylisopropyladenosine. Schwabe U, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Sep; 313(3):179-87

The recovery from desensitization of the glutamate receptor in the crayfish neuromuscular junction. Shinozaki H, et al. **Neurosci Lett** 1981 Feb 6;21(3):293-6

Impairment of hormone-stimulated cardiac adenylate cyclase activity in the genetically obese (fa/fa) Zucker rat. Chatelain P, et al. **Pfluegers Arch** 1981 Apr;390(1):10-6

Neurotransmitter receptors in brain regions of acrylamide-treated rats. I: Effects of a single exposure to acrylamide. Agrawal AK, et al. **Pharmacol Biochem Behav** 1981 Apr; 14(4):527-31

Neurotransmitter receptors in brain regions of acrylamide-treated rats. II: Effects of extended exposure to acrylamide. Bondy SC, et al. **Pharmacol Biochem Behav** 1981 Apr; 14(4):533-7

Ethanol effects on synaptic glutamate receptors and on liposomal membrane structure. Michaelis EK, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:197-202

Effect of combined treatment with dopaminergic and GABA-ergic drugs on the threshold for maximal electroconvulsions in mice. Czuczwar SJ. **Pol J Pharmacol Pharm** 1981 Jan-Feb;33(1):25-35

Effect of combined GABA-ergic and dopaminergic stimulation on the action of some antiepileptic drugs in pentetrazol-induced convulsions. Kleinrok Z, et al. **Pol J Pharmacol Pharm** 1981 Jan-Feb;33(1):13-23

Asialoglycoprotein receptor mediates the toxic effects of an asialofetuin-diphtheria toxin fragment A conjugate on cultured rat hepatocytes. Cawley DB, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3383-7

Insulin and serum increase the number of receptors for vasopressin in a kidney-derived line of cells grown in a defined medium. Roy C, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):5979-83

Protein fluctuations and time-space asymmetries in brain [proceedings] Mandell AJ, et al. **Psychopharmacol Bull** 1980 Oct;16(4):47-50

Growth factors modulate gonadotropin receptor induction in granulosa cell cultures. Mondschein JS, et al. **Science** 1981 Mar 13;211(4487):1179-80

Modulation of epidermal growth factor receptors on 3T3 cells by platelet-derived growth factor. Wrann M, et al. **Science** 1980 Dec 19;210(4476):1363-5

Effect of chronic lead treatment on GABA-ergic receptor function in rat brain. Memo M, et al. **Toxicol Lett** 1980 Oct;6(6):427-32

[Molecular basis for the use of steroids in psychiatry (author's transl)] Raynaud JP, et al. **Acta Psychiatr Belg** 1980 Sep-Oct;80(5):639-57 (75 ref.) (Eng. Abstr.) **(Fre)**

[The ortho-nitrophenyl-sulfenyl derivative of pentagastrin: an antagonist of gastrin receptors? A promising line of research] Kaess H. **Gastroenterol Clin Biol** 1980 Nov; 4(11):751-3 **(Fre)**

[Platelet sensitivity to prostacyclin in diabetic and nondiabetic patients with atherosclerotic vascular changes: a measure of platelet membrane prostacyclin receptors?] Klein K, et al. **Vasa** 1980;9(2):123-6 (Eng. Abstr.) **(Ger)**

GENETICS

Assignment of the genes for sensitivity to interferon [IfRec] and soluble superoxide dismutase [SOD-1] to mouse chromosome. Epstein LB, et al. **Ann NY Acad Sci** 1980; 350:171-3

Genetic analysis of epidermal growth factor action: assignment of human epidermal growth factor receptor gene to chromosome 7. Davies RL, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4188-92

[Regulation of genetic activity by thyroid hormones. Effect of purified cytoplasmic hormone-receptor complex on the chromatin template activity] Abdukarimov A, et al. **Probl Endokrinol (Mosk)** 1981 Jan-Feb;27(1):50-3 (Eng. Abstr.) **(Rus)**

[Regulation of genetic activity by thyroid hormones. II. Specificity of interaction of cytoplasmic thyroxine receptor isolated from human embryonal fibroblasts and HeLa cells with DNA] Abdukarimov A, et al. **Probl Endokrinol (Mosk)** 1981 Mar-Apr;27(2):66-70 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Activation of membrane-bound adenylcyclase by thyroid stimulating antibodies. Karlsson FA, et al. **Acta Endocrinol (Copenh)** 1981 May;97(1):60-6

Autoantibodies to the human thyrotropin receptor are not species specific. Davies TF. **J Clin Endocrinol Metab** 1981 Mar;52(3):426-30

The putative anti-thyrotropin receptor antibodies of Graves' disease. I. Gm allotypes. Pepper B, et al. **J Immunogenet** 1981 Apr;8(2):89-100

[Receptor-specific antibodies in the genesis of Basedow's disease] Tötterman T, et al. **Duodecim** 1981;97(1):6-9 **(Fin)**

[Autoantibodies against TSH-receptor in Graves' disease (author's transl)] Shishiba Y. **Nippon Naika Gakkai Zasshi** 1980 Dec;69(12):1567-72 **(Jpn)**

ISOLATION & PURIFICATION

Thyrotrophin binding glycoprotein isolated from bovine thyroid. Czarnocka B, et al. **Acta Endocrinol (Copenh)** 1981 Mar;96(3):335-41

Purification of luteinizing hormone receptor and its subunit structure. Metsikkö K, et al. **Biochem Biophys Res Commun** 1980 Aug 29;95(4):1730-6

Solubilization of the pig ileal intrinsic factor receptor with papain treatment and studies on the solubilized receptor. Kouvonen I. **Biochim Biophys Acta** 1980 Nov 20; 626(1):244-53

the stability in various detergents of transferrin-transferrin receptor complexes from reticulocyte plasma membranes. Nunez MT, et al. **Biochim Biophys Acta** 1981 Feb 18; 673(1):137-46

Affinity chromatography purification of solubilized FSH testicular membrane receptor. Bluestein BI, et al. **Biol Reprod** 1981 Apr;24(3):661-9

Characterization of estradiol, progesterone, and prolactin receptors in nitrosomethylurea-induced mammary tumors and effect of antiestrogen treatment on the development and growth of these tumors. Turcot-Lemay L, et al. **Cancer Res** 1980 Sep;40(9):3232-40

Separation of angiotensin receptor from cell membrane angiotensinase in rabbit aorta. Palaic D, et al. **Clin Exp Hypertens** 1980;2(6):973-81

Solubilization and molecular weight estimation of prolactin receptors from Rana catesbeiana tadpole liver and tail fin. Carr FE, et al. **Endocrinology** 1981 Sep;109(3):943-9

3,5,3'-triiodothyronine receptor-containing chromatin fragments: production by nuclease digestion. Gruol DJ. **Endocrinology** 1980 Oct;107(4):994-9

Size of vasopressin receptors from rat liver and kidney. Guillon G, et al. **Eur J Biochem** 1980 Oct;111(1):287-94

Purification of a gamma-aminobutyric acid receptor-like constituent of bovine brain. Arce A, et al. **FEBS Lett** 1981 May 5;127(1):149-53

Somatostatin receptors on circulating human blood cells. Bhathena SJ, et al. **Horm Metab Res** 1980;12(6):277-8

Solubilization and characterization of adrenal and uterine angiotensin II receptors after photoaffinity labeling. Capponi AM, et al. **J Biol Chem** 1980 Dec 25; 255(24):12081-6

Solubilization and isolation of the human placenta receptor for epidermal growth factor-urogastrone. Hock RA, et al. **J Biol Chem** 1980 Nov 25;255(22):10737-43

Topology of the hog intrinsic factor receptor in the intestine. Kouvonen I, et al. **J Biol Chem** 1981 Jan 10;256(1):154-8

Detergent solubilization of the formyl peptide chemotactic receptor. Strategy based on covalent affinity labeling. Niedel J. **J Biol Chem** 1981 Sep 10;256(17):9295-9

gamma-Aminobutyric acid receptors in brain postsynaptic densities. Matus A, et al. **J Neurobiol** 1981 Jan;12(1):67-73

Selective protein transport: identity of the solubilized phosvitin receptor from chicken oocytes. Woods JW, et al. **J Supramol Struct** 1980;14(4):473-81

Isolation of the human placenta receptor for epidermal growth factor-urogastrone. Hock RA, et al. **Nature** 1979 Feb 1;277(5695):403-5

Isolation of a transferrin receptor structure from sodium deoxycholate-solubilized human placental syncytiotrophoblast plasma membrane. Brown PJ, et al. **Placenta** 1981 Jan-Mar;2(1):1-10

gamma-Aminobutyric acid and benzodiazepine receptors: copurification and characterization. Gavish M, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1939-42

[Detection of specific prolactin binding sites in cell membranes of the rat liver] Kwiatkowska E, et al. **Endokrynol Pol** 1980 Jul-Aug;31(4):361-72 **(Pol)**

METABOLISM

Changes of receptor cooperation in Tetrahymena by re-exposure to hormones. Csaba G, et al. **Acta Biol Acad Sci Hung** 1980;31(1-3):43-7

Discrepancy between the effects of desialylation of human chorionic gonadotrophin on in vitro ovarian biological activity and on receptor binding. Brand EC, et al. **Acta Endocrinol (Copenh)** 1980 Sep;95(1):75-83

Effects of oestradiol benzoate (OeB) and human chorionic gonadotrophin (hCG) on the testes and accessory sex glands of the rat. Chowdhury M, et al. **Acta Endocrinol (Copenh)** 1981 Feb;96(2):273-80

Age-related changes in [125I]hLH specific binding to rat interstitial cells. Clausen OP, et al. **Acta Endocrinol (Copenh)** 1981 Apr;96(4):569-76

New aspects of the physiological significance of LRH receptors of pituitary plasma membranes. Kuhl H, et al. **Acta Endocrinol (Copenh)** 1981 Jan;96(1):36-45

Quantitative studies of vasoactive intestinal peptide (VIP) binding sites and VIP-induced adenosine 3':5'-monophosphate production in epithelial cells from duodenum, jejunum, ileum, cecum, colon and rectum in the rat. Prieto JC, et al. **Acta Endocrinol (Copenh)** 1981 Jan;96(1):100-6

Properties of human thyroidal and extrathyroidal TSH receptors. Trokoudes KM, et al. **Acta Endocrinol (Copenh)** 1981 Aug;97(4):473-8

GABA and benzodiazepine receptors. **Adv Biochem Psychopharmacol** 1981;26:1-303

High affinity binding sites for 3H-glutamate in hippocampal membranes: the search for a glutamate receptor. Baudry M, et al. **Adv Biochem Psychopharmacol** 1981;29:397-403

GABA autoreceptors: structure-activity relationships for agonists. Brennan MJ, et al. **Adv Biochem Psychopharmacol** 1981;26:157-67

Principles of receptor identification. Flier JS. **Adv Biochem Psychopharmacol** 1981;28:109-16 (30 ref.)

GABA and benzodiazepine receptors. Studies on their localization in the hippocampus and their interaction with central dopamine neurons in the rat brain. Fuxe K, et al. **Adv Biochem Psychopharmacol** 1981;26:61-76 (29 ref.)

GABA and glycine receptors in CNS cultures: autoradiographic binding and electrophysiological studies. Hösli L, et al. **Adv Biochem Psychopharmacol** 1981;

29:437–43
Barbiturates and GABA receptors. Johnston GA, et al. **Adv Biochem Psychopharmacol** 1981;26:191–8
Receptors for the excitatory amino acids. McLennan H, et al. **Adv Biochem Psychopharmacol** 1981;29:213–21 (19 ref.)
On the nature of the receptors for various excitatory amino acids in the mammalian central nervous system. McLennan H. **Adv Biochem Psychopharmacol** 1981;27:253–62 (33 ref.)
GABA receptors as supramolecular units. Mazzari S, et al. **Adv Biochem Psychopharmacol** 1981;26:1–8 (18 ref.)
Localization of GABA and dopamine receptor sites in retinal glial cells using DL-alpha-aminoadipic acid. Memo M, et al. **Adv Biochem Psychopharmacol** 1981;26:41–51
Biochemical-molecular characteristics of the brain synaptic membrane glutamate receptor. Michaelis EK, et al. **Adv Biochem Psychopharmacol** 1981;29:387–95
Convulsant and anticonvulsant drug binding sites related to GABA-regulated chloride ion channels. Olsen RW, et al. **Adv Biochem Psychopharmacol** 1981;26:93–102 (40 ref.)
GABA and glycine receptors in rat brain: autoradiographic localization. Palacios JM, et al. **Adv Biochem Psychopharmacol** 1981;29:445–51
Radiohistochemical studies of benzodiazepine and GABA receptors and their interactions. Palacios JM, et al. **Adv Biochem Psychopharmacol** 1981;26:53–60
Development of excitatory amino acid binding sites in the chick optic tectum. Ramirez G, et al. **Adv Biochem Psychopharmacol** 1981;29:467–74
Receptors for excitatory amino acids: binding studies and stimulation of cyclic GMP levels. Roberts PJ. **Adv Biochem Psychopharmacol** 1981;29:379–86
GABA receptor associated drug receptors. Sieghart W, et al. **Adv Biochem Psychopharmacol** 1981;26:121–8 (16 ref.)
Role of membrane lipids on the regulation of GABA recognition sites. Toffano G, et al. **Adv Biochem Psychopharmacol** 1981;26:169–79
Regulation of hippocampal glutamate receptors: role of a calcium-dependent cysteine proteinase. Vargas F, et al. **Adv Biochem Psychopharmacol** 1981;27:307–16 (16 ref.)
Renal receptors for parathyroid hormone in normal, parathyroidectomized and vitamin D-deficient rats. Loreau N, et al. **Adv Exp Med Biol** 1980;128:537–45
The parathyroid hormone receptor-adenylate cyclase system in chicken kidney. Nissenson RA, et al. **Adv Exp Med Biol** 1980;128:523–36
Mechanism of luteolysis: effect of estradiol and prostaglandin F2 alpha on corpus luteum luteinizing hormone/human chorionic gonadotropin receptors and cyclic nucleotides in the rhesus monkey. Sotrel G, et al. **Am J Obstet Gynecol** 1981 Jan 15;139(2):134–40
Mucosal gastrin receptor. VI. Induction by corticosterone in newborn rats. Peitsch W, et al. **Am J Physiol** 1981 Jun; 240(6):G442–9
Mucosal gastrin receptor. IV. Binding specificity. Takeuchi K, et al. **Am J Physiol** 1980 Nov;239(5):G395–9
Aldosterone binding along the rabbit nephron: an autoradiographic study on isolated tubules. Vandewalle A, et al. **Am J Physiol** 1981 Mar;240(3):F172–9
Reduced glycine receptor in the spinal cord in amyotrophic lateral sclerosis. Hayashi H, et al. **Ann Neurol** 1981 Mar; 9(3):292–4
GABA receptors are increased in brains of alcoholics. Tran VT, et al. **Ann Neurol** 1981 Mar;9(3):289–92
Membrane characteristics of primary hepatocyte cultures and a stable hepatocarcinoma cell line. Galivan J, et al. **Ann NY Acad Sci** 1980;349:332–45
Action of retinoids and phorbol esters on cell growth and the binding of epidermal growth factor. Jetten AM. **Ann NY Acad Sci** 1981 Feb 27;359:200–17
A survey of x-ray diffraction studies of enzyme-other molecule interactions as possible models for receptor sites. Lipscomb WN. **Ann NY Acad Sci** 1981;367:326–39 (58 ref.)
Transport models of the neurotransmitter-receptor interaction. Vieth WR, et al. **Ann NY Acad Sci** 1981; 369:99–111
Transmembrane transport of cobalamin in prokaryotic and eukaryotic cells. Sennett C, et al. **Annu Rev Biochem** 1981; 50:1053–86 (158 ref.)
Temporal relationship between hCG induced desensitization of LH/hCG responsive adenylyl cyclase and downregulation of LH/hCG receptors in the rat testis. Jahnsen T, et al. **Arch Androl** 1981 Mar;6(2):155–62
Perturbation of membrane phospholipids alters the interaction between epidermal growth factor and its membrane receptors. Shoyab M, et al. **Arch Biochem Biophys** 1981 Jan;206(1):222–6
Regulation of ovarian LH/HCG receptors in pregnant rats. Müller U, et al. **Arch Gynecol** 1980;229(4):259–64
Differential effects of guanine nucleotides on the first step of VIP and glucagon action in membranes from liver cells. Amiranoff B, et al. **Biochem Biophys Res Commun** 1980 Sep 16;96(1):463–8
Interaction of N-bromoalkyl derivatives of iodothyronines with the nuclear triiodothyronine receptor. Anselmet A, et al. **Biochem Biophys Res Commun** 1981 Feb 12; 98(3):685–92
Specific low density lipoprotein receptors in pig Leydig cells. Role of this lipoprotein in cultured Leydig cells steroidogenesis. Benahmed M, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1123–30
Human placental receptors for luteinizing hormone releasing hormone. Currie AJ, et al. **Biochem Biophys Res Commun** 1981 Mar 16;99(1):332–8
Effect of chromatin associated factors on the activity of thyroid hormone receptors in rat liver and brain. De Nayer P, et al. **Biochem Biophys Res Commun** 1981 Jan 15; 98(1):1–6
Up regulation of corticotrophin receptors by ACTH1–24 in normal and hypophysectomized rabbits. Durand P, et al. **Biochem Biophys Res Commun** 1980 Sep 16;96(1):447–56
Accumulation of epidermal growth factor within cells does not depend on receptor recycling. King AC, et al. **Biochem Biophys Res Commun** 1980 Dec 16;97(3):840–5
Specific receptor sites for alpha-tocopherol in purified isolated adrenocortical cell membrane. Kitabchi AE, et al. **Biochem Biophys Res Commun** 1980 Oct 31;96(4):1739–46
The effects of interferon on epidermal growth factor action. Lin SL, et al. **Biochem Biophys Res Commun** 1980 Sep 16;96(1):168–74
Substance P binds to the formylpeptide chemotaxis receptor on the rabbit neutrophil. Marasco WA, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1065–72
Calcitonin receptors in a cloned human breast cancer cell line (MCF 7). Martin TJ, et al. **Biochem Biophys Res Commun** 1980 Sep 16;96(1):150–6
Reduction of LH-RH pituitary and estradiol uterine binding sites by a superactive analog of luteinizing hormone-releasing hormone. Pedroza E, et al. **Biochem Biophys Res Commun** 1980 Aug 14;95(3):1056–62
Lack of adenylate and guanylate cyclases responsiveness to hormones in a spontaneous murine thyroid tumor. Piot JM, et al. **Biochem Biophys Res Commun** 1980 Jul 16; 95(1):357–66
Apparent 'negative cooperativity' kinetics in the absence of a nonlinear Scatchard plot of thyrotropin-receptor interaction in a human thyroid adenoma. Saltiel AR, et al. **Biochem Biophys Res Commun** 1980 Jul 16;95(1):395–403
Leydig cell receptors for luteinizing hormone releasing hormone and its agonists and their modulation by administration or deprivation of the releasing hormone. Sharpe RM, et al. **Biochem Biophys Res Commun** 1980 Jul 16;95(1):256–62
Reconstitution of liposomes bearing platelet receptors for human von Willebrand factor. Sie P, et al. **Biochem Biophys Res Commun** 1980 Nov 17;97(1):133–8
Sulfhydryl groups regulate thyroid hormone binding at nuclear receptor sites: further evidence for a separate binding site for reverse T3. Smith HC, et al. **Biochem Biophys Res Commun** 1980 Oct 16;96(3):1178–83
Reduced chemotactic peptide binding in juvenile periodontitis: a model for neutrophil function. Van Dyke TE, et al. **Biochem Biophys Res Commun** 1981 Jun 16; 100(3):1278–84
Specific thyroxine receptors in mammary cytosol from lactating cattle. Wilson DB, et al. **Biochem Biophys Res Commun** 1980 Jul 31;95(2):807–15
The ATP4- receptor of rat mast cells. Cockcroft S, et al. **Biochem J** 1980 Jun 15;188(3):789–98
Tumour calcitonin. Interaction with specific calcitonin receptors. Ham J, et al. **Biochem J** 1980 Sep 15; 190(3):545–50
Human growth hormone binding to rat hepatocytes: effects of selected hormones on binding. Fix JA, et al. **Biochem Med** 1981 Feb;25(1):1–14
Prostaglandin I2 receptors in a particulate fraction of platelets of various species. Schillinger E, et al. **Biochem Pharmacol** 1980 Sep 1;29(17):2297–9
The conformation and receptor binding of pancreatic hormones. Blundell TL, et al. **Biochem Soc Trans** 1981 Feb; 9(1):31–2
ACTH (corticotropin)-receptor mediated events in the adrenocortical cell membrane. Bristow AF, et al. **Biochem Soc Trans** 1981 Feb;9(1):35–7
Lutropin receptors in normal and tumour Leydig cells. Cooke BA, et al. **Biochem Soc Trans** 1981 Feb;9(1):40–2
Studies on melanotropin (MSH) receptors of melanophores and melanoma cells. Eberle AN. **Biochem Soc Trans** 1981 Feb;9(1):37–9
Binding of 125I-labelled vasopressin to isolated rat hepatocytes. Knowles RG. **Biochem Soc Trans** 1981 Feb; 9(1):90–1
Mechanistic description of the receptor-adenylate cyclase coupling. Swillens S. **Biochem Soc Trans** 1981 Feb;9(1):42–4
Receptors for somatotropin (growth hormone) and prolactin. Wallis M, et al. **Biochem Soc Trans** 1981 Feb;9(1):33–5
Interconversion between different states of affinity of the human growth hormone receptor on rat hepatocytes: effects of fractional site occupancy on receptor availability. Donner DB. **Biochemistry** 1980 Jul 8;19(14):3300–6
Characterization of the slowly dissociable human growth hormone binding component of isolated rat hepatocytes. Donner DB, et al. **Biochemistry** 1980 Jul 8;19(14):3293–300
Covalent binding of thrombin to specific sites on corneal endothelial cells. Isaacs JD, et al. **Biochemistry** 1981 Jan 20;20(2):398–403
Interaction of fibrinogen with its platelet receptor: kinetics and effect of pH and temperature. Marguerie GA, et al. **Biochemistry** 1981 Mar 3;20(5):1074–80
Inactivation of porcine corpus luteum lutropin receptors by a microsomal enzyme. Activation in ageing and regressing corpora lutea. Bramley TA, et al. **Biochim Biophys Acta** 1981 May 18;674(3):391–9
Induction of tyrosine aminotransferase and amino acid transport in rat hepatoma cells by insulin and the insulin-like growth factor, multiplication-stimulating activity. Mediation by insulin and multiplication-stimulating activity receptors. Heaton JH, et al. **Biochim Biophys Acta** 1980 Oct 1;632(2):192–203
Heterogeneity of FSH receptor complexes and their interactions with selected lectins. Bluestein BI, et al. **Biol Reprod** 1981 Apr;24(3):671–81
Stimulatory effect of luteinizing hormone and human chorionic gonadotropin on testicular prolactin receptor levels. Kelly PA, et al. **Biol Reprod** 1980 Dec;23(5):924–8
FSH receptor autoregulation and cyclic AMP production in the immature rat testis. O'Shaughnessy PJ. **Biol Reprod** 1980 Nov;23(4):810–4
Hormone-dependent subpopulation of rat testicular luteinizing hormone (LH) receptors. Zipf WB, et al. **Biol Reprod** 1981 Mar;24(2):306–10
Receptors on hepatocytes that bind ligands containing fucosyl alpha 1,3 N-acetylglucosamine linkages. Hill RL, et al. **Birth Defects** 1980;16(1):85–91
The binding of [3H]-prostacyclin to membranes of a neuronal somatic hybrid. Blair IA, et al. **Br J Pharmacol** 1981 Mar; 72(3):435–41
Purine receptors in the trachea: is there a receptor for ATP? Christie J, et al. **Br J Pharmacol** 1980 Dec;70(4):512–4
Evidence for specific adenosine receptors at cholinergic nerve endings. Silinsky EM. **Br J Pharmacol** 1980; 71(1):191–4
Do motor-nerve terminals have gamma-aminobutyric acid receptors? Smart TG. **Br J Pharmacol** 1980;71(1):279–86
The effects of acute and chronic ethanol administration and its withdrawal on gamma-aminobutyric acid receptor binding in rat brain. Ticku MK. **Br J Pharmacol** 1980 Nov; 70(3):403–10
Hormone receptors and human breast cancer [editorial] **Br Med J** 1980 Sep 13;281(6242):694–5
Hormone receptors and human breast cancer [letter] Franks CR. **Br Med J** 1980 Sep 27;281(6244):873
Development of glutamate binding sites and their regulation by calcium in rat hippocampus. Baudry M, et al. **Brain Res** 1981 Jan;227(1):37–48
Benzodiazepine and GABA receptors in the rat retina: effect of light and dark adaptation. Biggio G, et al. **Brain Res** 1981 Jul 6;216(1):210–4
Amino acid transmitter receptor binding in synaptic membranes from normal and vitamin B12 deficient fruit bats. Brennan MJ, et al. **Brain Res** 1981 Aug 24; 219(1):186–9
Glutamic acid binding in goldfish brain and denervated optic tectum. Francis A, et al. **Brain Res** 1981 Jul 20; 216(2):375–86
Relationship between the presence of dopaminergic neurons and GABA receptors in substantia nigra: effects of lesions. Gale K. **Brain Res** 1981 Apr 6;210(1–2):401–6
The distribution of angiotensin II binding sites in rodent brain. Harding JW, et al. **Brain Res** 1981 Feb 2; 205(2):265–74
Localization of cholecystokinin receptors on neuronal elements in rat caudate nucleus. Hays SE, et al. **Brain Res** 1981 Aug 24;219(1):208–13
Postnatal ontogeny of cholecystokinin receptors in rat brain. Hays SE, et al. **Brain Res** 1981 May 25;213(1):237–41
Effects of halopemide on GABA receptor binding, uptake and release. Loonen AJ, et al. **Brain Res** 1981 Apr 6; 210(1–2):485–92
Discrete regional distributions of thyrotropin releasing hormone (TRH) receptor binding in monkey central nervous system. Ogawa N, et al. **Brain Res** 1981 Jan 26; 205(1):169–74
Ultrastructure of GABA-neurons in cultures of rat neostriatum. Panula P, et al. **Brain Res** 1981 Aug 24; 219(1):202–7
Rat brain cells in primary culture: characterization of angiotensin II binding sites. Raizada MK, et al. **Brain Res** 1981 Mar 2;207(2):343–55
Increased GABA binding in mouse brain following acute swim stress. Skerritt JH, et al. **Brain Res** 1981 Jun 29; 215(1–2):398–403
Benzodiazepine binding and interactions with the GABA receptor complex in living cultures of rat cerebral cortex. White WF, et al. **Brain Res** 1981 Jun 29;215(1–2):162–76
Neurotensin receptor localization by light microscopic autoradiography in rat brain. Young WS 3d, et al. **Brain Res** 1981 Feb 16;206(2):273–85
Analogues of an in vitro parathyroid hormone inhibitor: modifications at the amino terminus. Rosenblatt M, et al. **Calcif Tissue Int** 1981;33(2):153–7
Glutamate receptor binding to cat central nervous system membranes. Head RA, et al. **Can J Biochem** 1980 Jul; 58(7):534–8
Intracellular (Golgi) receptors for insulinlike peptides in rat liver. Posner BI, et al. **Can J Biochem** 1980 Oct; 58(10):1075–81
Friend erythroleukemia cell membrane transferrin receptors. Wilczynska A, et al. **Can J Biochem** 1980 Oct;58(10):935–40
Kinin receptors in experimental inflammation. Marceau F, et al. **Can J Physiol Pharmacol** 1980 May;58(5):536–42
Multiple forms of angiotensin receptors in uterine smooth muscle. Moore GJ. **Can J Physiol Pharmacol** 1980 Nov; 58(11):1373–6
A simple, inexpensive filtration device suitable for neurotransmitter receptor binding studies in brain tissue. Wilkinson M, et al. **Can J Physiol Pharmacol** 1981 May;

59(5):504–6
Antigenic modulation and down regulation–their similarities suggest they may have a common origin. Cohen EP. **Cancer Biochem Biophys** 1980;4(4):237–43
Effect of ovariectomy on hormone receptors and growth of N–nitrosomethylurea–induced mammary tumors in the rat. Arafah BM, et al. **Cancer Res** 1980 Dec;40(12):4628–30
Receptor characteristics of the rat mammary carcinoma cell line 64–24. Eil C, et al. **Cancer Res** 1981 Jan;41(1):42–8
Calcitonin and 1,25–dihydroxyvitamin D3 receptors in human breast cancer cell lines. Findlay DM, et al. **Cancer Res** 1980 Dec;40(12):4764–7
Multiple hormone receptors in the adenylate cyclase of human adrenocortical tumors. Matsukura S, et al. **Cancer Res** 1980 Oct;40(10):3768–71
Effect of low–density lipoprotein on the incorporation of benzo(a)pyrene by cultured cells. Remsen JF, et al. **Cancer Res** 1981 Aug;41(8):3179–85
Thyrotropin receptor–adenylate cyclase function in human thyroid neoplasms. Saltiel AR, et al. **Cancer Res** 1981 Jun; 41(6):2360–5
Monensin interrupts the recycling of low density lipoprotein receptors in human fibrobiasts. Basu SK, et al. **Cell** 1981 May;24(2):493–502
Hypersensitivity of platelets to thrombin: formation of stable thrombin–receptor complexes and the role of shape change. Bennett WF, et al. **Cell** 1980 Nov;22(2 Pt 2):621–7
Epidermal growth factor induces rapid tyrosine phosphorylation of proteins in A431 human tumor cells. Hunter T, et al. **Cell** 1981 Jun;24(3):741–52
LDL receptors in coated vesicles isolated from bovine adrenal cortex: binding sites unmasked by detergent treatment. Mello RJ, et al. **Cell** 1980 Jul;20(3):829–37
Surface receptors: are they involved in transformation of spermatozoa of Ascaris? Abbas MK, et al. **Cell Tissue Res** 1981;214(3):553–67
Prostaglandin receptors in the airways. Collier HO, et al. **Ciba Found Symp** 1980;(78):333–50
Interpretation of serum total triiodothyronine in relation to binding proteins. Sheridan P, et al. **Clin Chem** 1979 Mar; 25(3):500–2
Effect of oestrogen treatment on testicular LH/HCG receptors and endogenous steroids in prostatic cancer patients. Huhtaniemi I, et al. **Clin Endocrinol (Oxf)** 1980 Dec;13(6):561–8
Metabolic and cytoskeletal modulation of transferrin receptor mobility in mitogen–activated human lymphocytes. Galbraith GM, et al. **Clin Exp Immunol** 1980 Nov; 42(2):285–93
Adrenal angiotensin II receptors and vascular reactivity to angiotensin II in the rat during continuous inhibition of angiotensin converting enzyme. Millar JA, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:65s–69s
Ontogeny of somatomedin during development in the mouse. Serum concentrations, molecular forms, binding proteins, and tissue receptors. D'Ercole AJ, et al. **Dev Biol** 1980 Sep;79(1):33–45
Properties of triiodothyronine binding sites in cerebral cortical cytosol. Geel SE, et al. **Endocr Res Commun** 1981; 8(1):1–18
Importance of the amino acid in position 15 of VIP and secretin in influencing their interactions with membrane receptors on pancreatic acinar cells. Gardner JD, et al. **Endocrinol Jpn** 1980 Dec;27 Suppl 1:1–5
In vitro examination of LH–HCG receptors in human corpora lutea of the menstrual cycle and pregnancy. Tanabe K, et al. **Endocrinol Jpn** 1980 Apr;27(2):253–6
Binding characteristics of gonadotropin–releasing hormone receptors throughout the estrous cycle of the hamster. Adams TE, et al. **Endocrinology** 1981 Jun;108(6):2245–53
Characterization of several clonal lines of cultured Leydig tumor cells: gonadotropin receptors and steroidogenic responses. Ascoli M. **Endocrinology** 1981 Jan;108(1):88–95
Gonadotropin–releasing hormone and its agonist inhibit testicular luteinizing hormone receptor and steroidogenesis in immature and adult hypophysectomized rats. Bambino TH, et al. **Endocrinology** 1980 Oct;107(4):908–17
Hepatic insulin and glucagon receptors in pregnancy: their role in the enhanced catabolism during fasting. Baumann G, et al. **Endocrinology** 1981 May;108(5):1979–86
Somatogenic receptors of rat liver: regulation by insulin. Baxter RC, et al. **Endocrinology** 1980 Oct;107(4):1176–81
Hormonal regulation of testicular luteinizing hormone and prolactin receptors. Chan V, et al. **Endocrinology** 1981 May; 108(5):1607–12
Ontogeny of pituitary GnRH receptors in the rat. Chan V, et al. **Endocrinology** 1981 Jun;108(6):2086–92
Pituitary and gonadal gonadotropin–releasing hormone receptors during sexual maturation in the rat. Dalkin AC, et al. **Endocrinology** 1981 May;108(5):1658–64
Diabetes, hypophysectomy, or thyroidectomy reduces nuclear L–triiodothyronine–binding capacity of rat lung. Das DK, et al. **Endocrinology** 1981 Jul;109(1):296–300
Effect of the structure–stabilizing agent glycerol on detergent–solubilized follicle–stimulating hormone receptors from calf testis. Dias JA, et al. **Endocrinology** 1981 Sep;109(3):736–42
Follicular steroidogenesis and gonadotropin binding to ovine follicles during the estrous cycle. England BG, et al. **Endocrinology** 1981 Sep;109(3):881–7
Insulin and glucagon receptors of isolated rat hepatocytes: comparison between hormone binding and amino acid transport stimulation. Fehlmann M, et al. **Endocrinology** 1981 Jul;109(1):253–61
Dissociated changes of pituitary luteinizing hormone–releasing hormone (LHRH) receptors and responsiveness to the neurohormone induced by 17 beta–estradiol and LHRH in vivo in the rat. Ferland L, et al. **Endocrinology** 1981 Jul;109(1):87–93
Binding of thyroid hormones in vivo by hepatic nuclei of Rana catesbeiana tadpoles at different stages of metamorphosis. Galton VA. **Endocrinology** 1980 Dec; 107(6):1910–5
Androgens decrease LHRH binding sites in rat anterior pituitary cells in culture. Giguere V, et al. **Endocrinology** 1981 Jan;108(1):350–2
Effects of immunoglobulins upon the interaction of thyrotropin with receptor in human fat tissue. Gill DL, et al. **Endocrinology** 1980 Dec;107(6):1813–9
Differential binding affinities of rat testis luteinizing hormone (LH) receptors for human chorionic gonadotropin, human LH, and ovine LH. Huhtaniemi IT, et al. **Endocrinology** 1981 May;108(5):1931–8
Regulation of luteinizing–hormone–receptors and steroidogenesis in the neonatal rat testis. Huhtaniemi IT, et al. **Endocrinology** 1981 Aug;109(2):588–95
Induction and maintenance of gonadotropin and lactogen receptors in hypoprolactinemic rats. Huhtaniemi IT, et al. **Endocrinology** 1981 Aug;109(2):483–90
Direct inhibitory effect of gonadotropin–releasing hormone upon luteal luteinizing hormone receptor and steroidogenesis in hypophysectomized rats. Jones PB, et al. **Endocrinology** 1980 Dec;107(6):1930–6
Luteinizing hormone–receptor interaction in the testis: progressive decrease in reversibility of the hormone–receptor complex. Katikineni M, et al. **Endocrinology** 1980 Dec;107(6):1980–8
Regulation of adrenal and testicular prolactin receptors by adrenocorticotropin and luteinizing hormone. Katikineni M, et al. **Endocrinology** 1981 Jun;108(6):2367–74
Effects of chronic hyperprolactinemia in mice on plasma gonadotropin concentrations and testicular human chorionic gonadotropin binding sites. Klemcke HG, et al. **Endocrinology** 1981 May;108(5):1763–8
Porcine granulosa cells in suspension culture. I. follicle–stimulating hormone induction of human chorionic gonadotropin–binding sites on cells from small follicles. LaBarbera AR, et al. **Endocrinology** 1981 Apr; 108(4):1561–70
Role of internalization and degradation in the removal of receptor–bound human chorionic gonadotropin in rat luteal cells in vivo. Markkanen SO, et al. **Endocrinology** 1980 Oct;107(4):1153–61
Follicle–stimulating hormone–mediated induction of functional luteinizing hormone/human chorionic gonadotropin receptors during monolayer culture of porcine granulosa cells. May JV, et al. **Endocrinology** 1980 Oct;107(4):1041–9
Role of the liver in regulating somatomedin activity: effects of streptozotocin diabetes and starvation on the synthesis and release of insulin–like growth factor and its carrier protein by the isolated perfused rat liver. Miller LL, et al. **Endocrinology** 1981 Apr;108(4):1265–71
Platelet–derived growth factor enhances granulosa cell luteinizing hormone receptor induction by follicle–stimulating hormone and serum. Mondschein JS, et al. **Endocrinology** 1981 Jul;109(1):325–7
Characterization of gonadotropin–releasing hormone receptors in cultured rat pituitary cells. Naor Z, et al. **Endocrinology** 1980 Oct;107(4):1144–52
Induction of prolactin receptors in rat liver after the administration of growth hormone. Norstedt G, et al. **Endocrinology** 1981 May;108(5):1855–61
Binding of high density lipoprotein to human fetal adrenal membrane fractions. Ohashi M, et al. **Endocrinology** 1981 Sep;109(3):783–8
Effects of adrenocorticotropic hormone on low density lipoprotein receptors of human fetal adrenal tissue. Ohashi M, et al. **Endocrinology** 1981 Apr;108(4):1237–42
Acute effects of prostaglandin F2 alpha an ovarian and luteal blood flow, luteal gonadotropin uptake in vivo, and gonadotropin binding in vitro. Pang CY, et al. **Endocrinology** 1981 Jun;108(6):2239–44
Changes in Leydig cells and luteinizing hormone receptors in porcine testis during postnatal development. Peyrat JP, et al. **Endocrinology** 1981 Feb;108(2):625–31
Regenerating rat liver: insulin and glucagon serum levels and receptor binding. Pezzino V, et al. **Endocrinology** 1981 Jun; 108(6):2163–9
Ovarian gonadotropin–releasing hormone (GnRH) receptors: characterization, distribution, and induction by GnRH. Pieper DR, et al. **Endocrinology** 1981 Apr;108(4):1148–55
Pituitary–dependent growth hormone receptors in rabbit and sheep liver. Posner BI, et al. **Endocrinology** 1980 Dec; 107(6):1954–8
Follicle–stimulating hormone induction of luteinizing hormone receptor in cultured rat granulosa cells: an examination of the need for steroids in the induction process. Rani CS, et al. **Endocrinology** 1981 Apr; 108(4):1379–85
Immunohistochemical demonstration of calcitonin binding to specific cell types in fixed rat bone tissue. Rao LG, et al. **Endocrinology** 1981 May;108(5):1972–8
Interactions of insulin–like growth factors I and II and multiplication–stimulating activity with receptors and serum carrier proteins. Rechler MM, et al. **Endocrinology** 1980 Nov;107(5):1451–9
Multiple inhibitory actions of luteinizing hormone–releasing hormone agonist on luteinizing hormone/human chorionic gonadotropin receptor–mediated ovarian responses. Reddy PV, et al. **Endocrinology** 1980 Oct;107(4):930–6
Calcitonin receptors in the central nervous system of the rat. Rizzo AJ, et al. **Endocrinology** 1981 May;108(5):1672–7
Characterization of a specific receptor for somatomedin C (SM–C) on cultured human lymphocytes: evidence that SM–C modulates homologous receptor concentration. Rosenfeld RG, et al. **Endocrinology** 1980 Dec;107(6):1841–8
Alterations of brain cerebral cortex CCK receptors in the ob/ob mouse. Saito A, et al. **Endocrinology** 1981 Sep; 109(3):984–6
Characterization and regulation of receptors for epidermal growth factor in mouse calvaria. Shupnik MA, et al. **Endocrinology** 1980 Dec;107(6):1738–46
Binding characteristics of a biologically active variant of human growth hormone (20K) to growth hormone and lactogen receptors. Sigel MB, et al. **Endocrinology** 1981 Apr;108(4):1600–3
Somatostatin analogs. Dissociation of brain receptor binding affinities and pituitary actions in the rat. Srikant CB, et al. **Endocrinology** 1981 Jan;108(1):341–3
Uremia decreases nuclear 3,5,3'–triiodothyronine receptors in rats. Thompson P Jr, et al. **Endocrinology** 1980 Oct; 107(4):1081–4
Changes in ovarian LHRH receptor content during the onset of puberty in the female rat. White SS, et al. **Endocrinology** 1981 Jan;108(1):347–9
Changes in ovarian luteinizing hormone and follicle–stimulating hormone receptor content and in gonadotropin–induced ornithine decarboxylase activity during prepubertal and pubertal development of the female rat. White SS, et al. **Endocrinology** 1981 Jul;109(1):152–61
Gonadotropin–binding sites in the rhesus monkey ovary: role of the vasculature in the selective distribution of human chorionic gonadotropin to the preovulatory follicle. Zeleznik AJ, et al. **Endocrinology** 1981 Aug;109(2):356–62
Binding sites for gonadotropins in the ovary of immature and adult mice. Purandare TV, et al. **Endokrinologie** 1980; 75(3):269–77
Demonstration of a heterogenous population of binding sites for thyroliberin in prolactin–producing tumour cells and their possible functional significance. Gautvik KM, et al. **Eur J Biochem** 1981 May 15;116(2):235–42
Effect of DNA on thyroid–hormone binding by specific receptor proteins from rat–liver nuclei. Inoue A, et al. **Eur J Biochem** 1981 Mar;114(3):509–16
Effects of cytochalasin B and enucleation on EGF receptor down regulation. Wrann M, et al. **Eur J Cell Biol** 1980 Oct;22(2):730–2
Use of hormone receptors in scintigraphy of the ovaries. Kairento AL, et al. **Eur J Nucl Med** 1981 Mar;6(3):107–10
Na+ amplifies adenosine receptor–mediated inhibition of adipocyte adenylate cyclase. Aktories K, et al. **Eur J Pharmacol** 1981 Apr 24;71(1):157–60
Bicuculline–insensitive GABA receptors on peripheral autonomic nerve terminals. Bowery NG, et al. **Eur J Pharmacol** 1981 Apr 24;71(1):53–70
Cholecystokinin receptors are increased in cerebral cortex of genetically obese rodents. Hays SE, et al. **Eur J Pharmacol** 1981 Apr 9;70(4):591–2
Interaction of anticonvulsants with the barbiturate–benzodiazepine–GABA receptor complex. Leeb–Lundberg F, et al. **Eur J Pharmacol** 1981 Jun 10; 72(1):125–9
Action of pyrazolopyridines as modulators of [3H]flunitrazepam binding to the gaba/benzodiazepine receptor complex of the cerebellum. Supavilai P, et al. **Eur J Pharmacol** 1981 Mar 12;70(2):183–93
The effects of acute and chronic morphine administration on GABA receptor binding. Ticku MK, et al. **Eur J Pharmacol** 1980 Nov 21;68(2):97–106
Evidence that ethanol and pentobarbital enhance [3H]diazepam binding at the benzodiazepine–GABA receptor–ionophore complex indirectly. Ticku MK, et al. **Eur J Pharmacol** 1981 May 22;71(4):521–2
The ultrastructural immunocytochemical demonstration of erythropoietin receptors on developing erythrocytic cells of fetal mouse liver. Lafferty MD, et al. **Exp Hematol** 1980 Sep;8(8):1063–74
In vitro inactivation of gonadotropin receptors, a membrane–associated action? Bauknecht T, et al. **Experientia** 1980 Sep 15;36(9):1033–5
Interaction between fluorescent–labeled ACTH1–24, isolated fat cells, and serum albumin. Ross JB, et al. **Experientia** 1980 Dec 15;36(12):1378–80
Aberrant energy metabolism in a variant epidermal growth factor receptor–negative fibroblastic cell line. Bishayee S, et al. **FEBS Lett** 1981 May 18;127(2):237–40
Irreversible stimulation of Xenopus melanophores by photoaffinity labelling with p–azidophenylalanine13–alpha–melanotropin. de Graan PN, et al. **FEBS Lett** 1980 Jul 11;116(1):111–5
Increased epidermal growth factor binding to Go–arrested 3T3 cells. Lieberman MA, et al. **FEBS Lett** 1981 Apr 6; 126(1):45–8
Effect of methylamine on internalization, processing and biological activation of epidermal growth factor receptor.

Michael HJ, et al. **FEBS Lett** 1980 Aug 11;117(1):125–30

A receptor for single segments of secretory proteins in rough endoplasmic reticulum membranes. Prehn S, et al. **FEBS Lett** 1981 Jan 12;123(1):79–84

The interaction of Graves' IgG with the thyrotrophin receptor. Rickards C, et al. **FEBS Lett** 1981 May 5; 127(1):17–21

A cytotoxic epidermal growth factor cross-linked to diphtheria toxin A-fragment. Shimizu N, et al. **FEBS Lett** 1980 Sep 8;118(2):274–8

Regulation of ovarian gonadotropin receptors and LH bioactivity during the estrous cycle. Solano AR, et al. **FEBS Lett** 1980 Dec 29;122(2):184–8

Identification and characterization of receptors for secretagogues on pancreatic acinar cells. Jensen RT, et al. **Fed Proc** 1981 Aug;40(10):2486–96 (64 ref.)

Structure-activity relationships of interactions of thyroxine analogs with intact hepatic nucleic receptors. Mager PP. **Gegenbaurs Morphol Jahrb** 1980;126(5):753–5

TRH receptor binding in avian pituitary and brain. Thompson DF, et al. **Gen Comp Endocrinol** 1981 May; 44(1):77–81

Saturable 3,5,3'-triiodo-L-thyronine-binding sites in liver nuclei of rainbow trout (Salmo gairdneri Richardson). van der Kraak GJ, et al. **Gen Comp Endocrinol** 1980 Dec; 42(4):437–48

Benzodiazepines, barbiturates and baclofen interaction within the GABA-receptors. Azanza MJ. **Gen Pharmacol** 1981; 12(3):123–8 (20 ref.)

Demonstration of plasma human chorionic gonadotropin beta-subunit during pregnancy using LH-hCG receptors from immature porcine testis. Mputu L, et al. **Gynecol Obstet Invest** 1981;12(2):81–92

Association between serum insulin, serum somatomedin and liver receptors for human growth hormone in streptozotocin diabetes. Baxter RC, et al. **Horm Metab Res** 1980 Aug;12(8):377–81

Ipodate and 8-anilino-1-naphthalene sulfonic acid block receptor binding of T3 in rat liver. Burman KD, et al. **Horm Metab Res** 1980 Dec;12(12):685–7

Carbohydrate metabolism and the glucoreceptor mechanism. Ashcroft SJ, et al. **Horm Metab Res [Suppl]** 1980;Suppl 10:1–7 (22 ref.)

Changes in testicular hCG binding and Leydig cell function in rats throughout life. Geisthövel F, et al. **Horm Res** 1981; 14(1):47–55

Receptors for fibrinogen and aggregated beta 2-microglobulin detected in strains of group B streptococci. Schönbeck C, et al. **Infect Immun** 1981 Mar;31(3):856–61

Hormonal receptors in human neoplasia. Sandberg AA, et al. **Int Adv Surg Oncol** 1980;3:311–50

Age dependent changes in FSH responsive adenylyl cyclase and FSH binding in rat testes. Jahnsen T, et al. **Int J Androl** 1981 Feb;4(1):55–63

Effect of delta-aminolaevulinic acid on GABA receptor binding in synaptic plasma membranes. Brennan MJ, et al. **Int J Biochem** 1980;12(5–6):833–5

An intestinal receptor for heme: its parital characterization. Tenhunen R, et al. **Int J Biochem** 1980;12(5–6):713–6

An airfuge centrifugation procedure for the measurement of ligand binding to membrane-associated and detergent-solubilized plasma membrane receptors. Li EL, et al. **J Biochem Biophys Methods** 1980 Oct;3(4):207–17

Regulation of gonadotropin receptors and gonadotropin responses in a clonal strain of Leydig tumor cells by epidermal growth factor. Ascoli M. **J Biol Chem** 1981 Jan 10;256(1):179–83

Molecular interactions between thyroid hormone analogs and the rat liver nuclear receptor. Partitioning of equilibrium binding free energy changes into substituent group interactions. Bolger MB, et al. **J Biol Chem** 1980 Nov 10; 255(21):10271–8

Stimulation of pituitary gonadotropin release does not require internalization of gonadotropin-releasing hormone. Conn PM, et al. **J Biol Chem** 1981 Feb 10;256(3):1098–100

Reversible dissociation of steroid hormone x receptor complexes by mercurial reagents. Coty WA. **J Biol Chem** 1980 Sep 10;255(17):8035–7

Structural requirements for glucagon receptor binding and activation of adenylate cyclase in liver. Study of chemically modified forms of the hormone, including N alpha-trinitrophenyl glucagon, an antagonist. Epand RM, et al. **J Biol Chem** 1981 Feb 10;256(3):1128–32

Phosphomannosyl-enzyme receptors in rat liver. Subcellular distribution and role in intracellular transport of lysosomal enzymes. Fischer HD, et al. **J Biol Chem** 1980 Oct 25; 255(20):9608–15

Receptor-dependent uptake of human chylomicron remnants by cultured skin fibroblasts. Florén CH, et al. **J Biol Chem** 1981 Jan 10;256(1):425–33

Thyroid hormone-aldosterone antagonism on Na+ transport in toad bladder. Evidence for a triiodothyronine nuclear receptor. Geering K, et al. **J Biol Chem** 1981 Jun 10; 256(11):5504–10

Subunit interactions inhibit the binding of beta nerve growth factor to receptors on embryonic chick sensory neurons. Harris-Warrick RM, et al. **J Biol Chem** 1980 Dec 10; 255(23):11284–9

Polypeptide hormone degradation and receptor regulation are coupled to ligand internalization. A direct biochemical and morphologic demonstration. Hizuka N, et al. **J Biol Chem** 1981 May 10;256(9):4591–7

Characterization of the receptor for epidermal growth factor-urogastrone in human placenta membranes. Hock RA, et al. **J Biol Chem** 1980 Nov 25;255(22):10731–6

Lipoprotein binding to canine hepatic membranes. Metabolically distinct apo-E and apo-B,E receptors. Hui DY, et al. **J Biol Chem** 1981 Jun 10;256(11):5646–55

Disparities in the interaction of rat and human lipoproteins with cultured rat fibroblasts and smooth muscle cells. Requirements for homology for receptor binding activity. Innerarity TL, et al. **J Biol Chem** 1980 Dec 10; 255(23):11163–72

Regulation of hormone-receptor coupling to adenylyl cyclase. Effects of GTP and GDP. Iyengar R, et al. **J Biol Chem** 1980 Nov 10;255(21):10312–21

Specific binding of prostaglandins E1 and E2 to adrenal medulla. Karaplis AC, et al. **J Biol Chem** 1981 Mar 10; 256(5):2414–9

Receptor-mediated endocytosis of transferrin in developmentally totipotent mouse teratocarcinoma stem cells. Karin M, et al. **J Biol Chem** 1981 Apr 10; 256(7):3245–52

Hemoglobin-haptoglobin receptor in rat liver plasma membrane. Kino K, et al. **J Biol Chem** 1980 Oct 25; 255(20):9616–20

Antibody against low density lipoprotein receptor blocks uptake of low density lipoprotein (but not high density lipoprotein) by the adrenal gland of the mouse in vivo. Kita T, et al. **J Biol Chem** 1981 May 25;256(10):4701–3

Effects of chymotrypsin and adenosine diphosphate on the exposure of fibrinogen receptors on normal human and Glanzmann's thrombasthenic platelets. Kornecki E, et al. **J Biol Chem** 1981 Jun 10;256(11):5696–701

Affinity labeling of multiplication stimulating activity receptors in membranes from rat and human tissues. Massague J, et al. **J Biol Chem** 1981 Mar 10;256(5):2122–5

Regeneration of the liver after carbon tetrachloride. Differences in adenylate cyclase and pancreatic hormone receptors. Mourelle M, et al. **J Biol Chem** 1981 Feb 25; 256(4):1656–60

Mannose 6-phosphate receptor-mediated uptake of modified low density lipoprotein results in down regulation of hydroxymethylglutaryl-CoA reductase in normal and familial hypercholesterolemic fibroblasts. Murray GJ, et al. **J Biol Chem** 1980 Dec 25;255(24):11942–8

Interaction of fluorescent gonadotropin-releasing hormone with receptors in cultured pituitary cells. Naor Z, et al. **J Biol Chem** 1981 Mar 25;256(6):3049–52

Exposure of fibrinogen receptor on human platelets by proteolytic enzymes. Niewiarowski S, et al. **J Biol Chem** 1981 Jan 25;256(2):917–25

Parathyroid hormone . renal receptor interactions. Demonstration of two receptor-binding domains. Nussbaum SR, et al. **J Biol Chem** 1980 Nov 10; 255(21):10183–7

Sequestration of 125I-labeled beta nerve growth factor by sympathetic neurons. Olender EJ, et al. **J Biol Chem** 1980 Oct 10;255(19):9338–43

Covalent binding of fatty acid to the transferrin receptor in cultured human cells. Omary MB, et al. **J Biol Chem** 1981 May 25;256(10):4715–8

The effects of subfractions of high density lipoprotein on cholesterol efflux from cultured fibroblasts. Regulation of low density lipoprotein receptor activity. Oram JF, et al. **J Biol Chem** 1981 Aug 25;256(16):8348–56

Receptor-mediated catabolism of homologous low density lipoproteins in cultured pig hepatocytes. Pangburn SH, et al. **J Biol Chem** 1981 Apr 10;256(7):3340–7

Salt-induced exposure of high affinity thyrotropin receptors on human and porcine thyroid membranes. Pekonen F, et al. **J Biol Chem** 1980 Sep 10;255(17):8121–7

Protease mitogenic response of chick embryo fibroblasts and receptor binding/processing of human alpha-thrombin. Perdue JF, et al. **J Biol Chem** 1981 Mar 25;256(6):2767–76

Induction of the fibrinogen receptor on human platelets by epinephrine and the combination of epinephrine and ADP. Plow EF, et al. **J Biol Chem** 1980 Nov 25;255(22):10971–7

Regulation of thyroid hormone nuclear receptor levels in GH1 cells by 3,5,3'-triiodo-L-thyronine. Use of dense amino acid labeling to determine the influence of hormone on the receptor half-life and the rate of appearance of newly synthesized receptor. Raaka BM, et al. **J Biol Chem** 1981 Jul 10;256(13):6883–9

Characterization of gonadotropin binding sites in the intracellular organelles of bovine corpora lutea and comparison with plasma membrane sites. Rao CV, et al. **J Biol Chem** 1981 Mar 25;256(6):2628–34

Vasopressin inhibition of epidermal growth factor binding to cultured mouse cells. Rozengurt E, et al. **J Biol Chem** 1981 Jan 25;256(2):716–22

Inhibition of epidermal growth factor binding to mouse embryonal carcinoma cells by phorbol esters mediated by specific phorbol ester receptors. Salomon DS. **J Biol Chem** 1981 Aug 10;256(15):7958–66

Internalization and degradation of thrombin and up regulation of thrombin-binding sites in corneal endothelial cells. Savion N, et al. **J Biol Chem** 1981 May 10; 256(9):4514–9

Partial purification and characterization of the low density lipoprotein receptor from bovine adrenal cortex. Schneider WJ, et al. **J Biol Chem** 1980 Dec 10;255(23):11442–7

Characterization of the asialoglycoprotein receptor in a continuous hepatoma line. Schwartz AL, et al. **J Biol Chem** 1981 Sep 10;256(17):8878–81

Limitations in the conventional analysis of the interaction of triiodothyronine with solubilized nuclear receptor sites. Inapparent binding of triiodothyronine to nonspecific binding sites. Seelig S, et al. **J Biol Chem** 1981 Mar 10; 256(5):2154–61

Vitamin K3 (menadione) and related quinones, like tumor-promoting phorbol esters, alter the affinity of epidermal growth factor for its membrane receptors. Shoyab M, et al. **J Biol Chem** 1980 Sep 25;255(18):8735–9

Effects of cholestyramine on receptor-mediated plasma clearance and tissue uptake of human low density lipoproteins in the rabbit. Slater HR, et al. **J Biol Chem** 1980 Nov 10;255(21):10210–3

Evidence that a beta-adrenergic receptor-associated guanine nucleotide regulatory protein conveys guanosine 5'-O-(3-thiotriphosphate)- dependent adenylate cyclase activity. Stadel JM, et al. **J Biol Chem** 1981 Aug 25; 256(16):8718–23

The catalytic unit of ram sperm adenylate cyclase can be activated through the guanine nucleotide regulatory component and prostaglandin receptors of human erythrocyte. Stengel D, et al. **J Biol Chem** 1981 Jun 10; 256(11):5394–8

Turnover of the surface proteins and the receptor for serum asialoglycoproteins in primary cultures of rat hepatocytes. Warren R, et al. **J Biol Chem** 1981 Feb 10;256(3):1346–55

Temperature dependence of endocytosis mediated by the asialoglycoprotein receptor in isolated rat hepatocytes. Evidence for two potentially rate-limiting steps. Weigel PH, et al. **J Biol Chem** 1981 Mar 25;256(6):2615–7

The estradiol-stimulated lipoprotein receptor of rat liver. A binding site that membrane mediates the uptake of rat lipoproteins containing apoproteins B and E. Windler EE, et al. **J Biol Chem** 1980 Nov 10;255(21):10464–71

Inefficient internalization of receptor-bound low density lipoprotein in human carcinoma A-431 cells. Anderson RG, et al. **J Cell Biol** 1981 Feb;88(2):441–52

Stabilization of vasopressin-induced membrane events by bifunctional imidoesters. Rapoport J, et al. **J Cell Biol** 1981 May;89(2):261–6

Rat hepatocytes bind to synthetic galactoside surfaces via a patch of asialoglycoprotein receptors. Weigel PH. **J Cell Biol** 1980 Dec;87(3 Pt 1):855–61

Distinctive effects of hydrocortisone on the modulation of EGF binding and cell growth in HeLa cells grown in defined medium. Wu R, et al. **J Cell Physiol** 1981 Jul; 108(1):83–90

Thyrotropin (TSH) receptor and adenylate cyclase activity in human thyroid tumors: absence of high affinity receptor and loss of TSH responsiveness in undifferentiated thyroid carcinoma. Abe Y, et al. **J Clin Endocrinol Metab** 1981 Jan;52(1):23–8

Receptors for multiplication-stimulating activity on human arterial and venous endothelial cells. Bar RS, et al. **J Clin Endocrinol Metab** 1981 Apr;52(4):814–6

Fibroblast defect in pseudohypoparathyroidism, type I: reduced activity of receptor-cyclase coupling protein. Bourne HR, et al. **J Clin Endocrinol Metab** 1981 Sep; 53(3):636–40

Angiotensin II receptors and in vitro aldosterone responses of aldosterone-producing adenomas, adjacent nontumorous tissue, and normal human adrenal glomerulosa. Brown G, et al. **J Clin Endocrinol Metab** 1980 Oct;51(4):718–23

Characterization of vasoactive intestinal peptide receptors in human colonic epithelial cells. Broyart JP, et al. **J Clin Endocrinol Metab** 1981 Apr;52(4):715–21

Deficient activity of receptor-cyclase coupling protein in platelets of patients with pseudohypoparathyroidism. Farfel Z, et al. **J Clin Endocrinol Metab** 1980 Nov;51(5):1202–4

Identification and characterization of nuclear 3,5,3'-triiodothyronine-binding sites in fetal human lung. Gonzales LW, et al. **J Clin Endocrinol Metab** 1981 Jul; 53(1):21–8

The presence of lactogen receptors in human chorion laeve. Herington AC, et al. **J Clin Endocrinol Metab** 1980 Dec; 51(6):1466–8

Interaction between thyrotropin (TSH) binding inhibitor immunoglobulins (TBII) and soluble TSH receptors in fat cells. Kishihara M, et al. **J Clin Endocrinol Metab** 1981 Apr;52(4):665–70

Luteinizing hormone receptors in ovarian follicles of patients with polycystic ovarian disease. Rajaniemi HJ, et al. **J Clin Endocrinol Metab** 1980 Nov;51(5):1054–7

Luteinizing hormone receptors in human ovarian follicles and corpora lutea during menstrual cycle and pregnancy. Rajaniemi HJ, et al. **J Clin Endocrinol Metab** 1981 Feb; 52(2):307–13

In vivo modulation of somatomedin receptor sites: effects of growth hormone treatment of hypopituitary children. Rosenfeld RG, et al. **J Clin Endocrinol Metab** 1981 Apr; 52(4):759–64

125I-8-L-arginine vasopressin binding to human mononuclear phagocytes. Block LH, et al. **J Clin Invest** 1981 Aug;68(2):374–81

Mechanism of adrenal angiotensin II receptor changes after nephrectomy in rats. Douglas JG. **J Clin Invest** 1981 Apr; 67(4):1171–6

Epidermal growth factor receptor number decreases during rat liver regeneration. Earp HS, et al. **J Clin Invest** 1981 May;67(5):1580–3

Pituitary gonadotropin-releasing hormone receptors. Effects

of castration, steroid replacement, and the role of gonadotropin-releasing hormone in modulating receptors in the rat. Frager MS, et al. **J Clin Invest** 1981 Mar; 67(3):615–23

Transferrin binding to peripheral blood lymphocytes activated by phytohemagglutinin involves a specific receptor. Ligand interaction. Galbraith RM, et al. **J Clin Invest** 1980 Nov;66(5):1135–43

Clearance of thrombin from circulation in rabbits by high-affinity binding sites on endothelium. Possible role in the inactivation of thrombin by antithrombin III. Lollar P, et al. **J Clin Invest** 1980 Dec;66(6):1222–30

Individual variation in the effects of dietary cholesterol on plasma lipoproteins and cellular cholesterol homeostasis in man. Studies of low density lipoprotein receptor activity and 3-hydroxy-3-methylglutaryl coenzyme A reductase activity in blood mononuclear cells. Mistry P, et al. **J Clin Invest** 1981 Feb;67(2):493–502

Failure of short-term hyperprolactinaemia to increase the number of gonadotrophin receptors in the ram testis. Barenton B. **J Endocrinol** 1981 Mar;88(3):451–4

Specific prolactin binding in the rat adrenal gland: its characterization and hormonal regulation. Calvo JC, et al. **J Endocrinol** 1981 May;89(2):317–25

Independent down-regulation of insulin and calcitonin receptors on a human tumour cell line. Findlay DM, et al. **J Endocrinol** 1981 Feb;88(2):271–81

Comparison of binding of bovine and human thyroid-stimulating hormone to receptor sites on human thyroid membranes. Kermode JC, et al. **J Endocrinol** 1981 Feb;88(2):205–17

Prolactin receptors in the rat kidney. Mountjoy K, et al. **J Endocrinol** 1980 Oct;87(1):47–54

Macropodid marsupial testicular gonadotrophin receptors and their use in assays for marsupial gonadotrophins. Stewart F, et al. **J Endocrinol** 1981 May;89(2):213–23

Hormonal regulations of follicle-stimulating hormone receptors in the tests of Japanese quail. Tsutsui K, et al. **J Endocrinol** 1980 Jun;85(3):511–8

Receptors for cold-insoluble globulin (plasma fibronectin) on human monocytes. Bevilacqua MP, et al. **J Exp Med** 1981 Jan 1;153(1):42–60

Polypeptide hormone receptors in vivo: demonstration of insulin binding to adrenal gland and gastrointestinal epithelium by quantitative radioautography. Bergeron JJ, et al. **J Histochem Cytochem** 1980 Aug;28(8):824–35

Morphologic probes of polypeptide hormone receptor interactions. Gorden P, et al. **J Histochem Cytochem** 1980 Aug;28(8):811–7

Immunocytochemical localization of receptor-bound human chorionic gonadotropin in pseudopregnant rat ovaries. Kinnunen R, et al. **J Histochem Cytochem** 1981 Jan; 29(1):9–16

Immunocytochemical localization of receptor human chorionic gonadotropin complexes in rat leydig cells. Rajaniemi H, et al. **J Histochem Cytochem** 1981 Jul; 29(7):813–6

Cationic ferritin binding sites and surface charge densities of transformed cells. Walker DG. **J Histochem Cytochem** 1981 Feb;29(2):255–65

Identification of testicular cell plasma membrane receptors for calcitonin. Chausmer A, et al. **J Lab Clin Med** 1980 Nov;96(5):933–8

Characterization of two [3H]glutamate binding sites in rat hippocampal membranes. Baudry M, et al. **J Neurochem** 1981 Mar;36(3):811–20

Postnatal development of synaptic glycine receptors in normal and hyperglycinemic rats. Benavides J, et al. **J Neurochem** 1981 Aug;37(2):315–20

Lectin-induced inhibition of nerve growth factor binding by receptors of sympathetic ganglia. Costrini NV, et al. **J Neurochem** 1981 Mar;36(3):1175–80

Substantia nigra gamma-aminobutyric acid receptors in Huntington's disease. Cross AJ, et al. **J Neurochem** 1981 Aug;37(2):321–4

Distribution of GABA receptors in the rat cerebellum. Kingsbury AE, et al. **J Neurochem** 1980 Sep;35(3):739–42

Characterization of the binding of the GABA agonist [3H]piperidine-4-sulphonic acid to bovine brain synaptic membranes. Krogsgaard-Larsen P, et al. **J Neurochem** 1981 Aug;37(2):401–9

Effects of sodium and bicarbonate ions on gamma-aminobutyric acid receptor binding in synaptic membranes of rat brain. Kurioka S, et al. **J Neurochem** 1981 Aug;37(2):418–21

Characterization of gamma-aminobutyric acid binding sites on crude synaptic membranes. Kurioka S, et al. **J Neurochem** 1981 Aug;37(2):283–8

Ascorbate decreases ligand binding to neurotransmitter receptors. Leslie FM, et al. **J Neurochem** 1980 Jan; 34(1):219–21

Sequestration of 125I-labeled beta nerve growth factor by embryonic sensory neurons. Olender EJ, et al. **J Neurochem** 1981 Aug;37(2):436–42

GABA-benzodiazepine-barbiturate receptor interactions. Olsen RW. **J Neurochem** 1981 Jul;37(1):1–13 (146 ref.)

Characterization of receptors for cholecystokinin and related peptides in mouse cerebral cortex. Saito A, et al. **J Neurochem** 1981 Aug;37(2):483–90

Quantitative relationships of five putative neurotransmitter receptor sites in rat hippocampal formation. Salvaterra P, et al. **J Neurochem** 1980 Nov;35(5):1253–7

Ontogeny of receptor binding sites for [3H]glutamic acid and [3H]kainic acid in the rat cerebellum. Slevin JT, et al. **J Neurochem** 1981 Aug;37(2):531–3

Multiple neurotransmitter receptors. Snyder SH, et al. **J Neurochem** 1980 Jul;35(1):5–15 (82 ref.)

Characterization of benzodiazepine and gamma-aminobutyric recognition sites and their endogenous modulators. Massotti M, et al. **J Neurosci** 1981 Apr;1(4):409–18

Different efficacies of d- and l-gamma-amino-beta-hydroxybutyric acids in GABA receptor and transport test systems. Roberts E, et al. **J Neurosci** 1981 Feb;1(2):132–40

Enhancement by anesthetic and convulsant barbiturates of GABA binding to rat brain synaptosomal membranes. Willow M, et al. **J Neurosci** 1981 Apr;1(4):364–7

Studies on glucoreceptor. I. Specific binding of D-glucose to partially purified membrane of rat islets of Langerhans. Kobayashi K, et al. **J Pharmacobiodyn** 1980 Jan;3(1):33–40

LH receptors in ovine corpora lutea in relation to various physiological states and effects PGF-2 alpha on LH-induced steroidogenesis in vitro. Evrard-Herouard M, et al. **J Reprod Fertil** 1981 Jan;61(1):225–33

Luteal LH receptors during the oestrous cycle and early pregnancy in the pig. Ziecik A, et al. **J Reprod Fertil** 1980 Sep;60(1):129–37

Central control of hepatic steroid metabolism and 'lactogenic' receptor. Gustafsson JA, et al. **J Steroid Biochem** 1980 Jan; 12:1–15

The Woolf plot is more reliable than the Scatchard plot in analysing data from hormone receptor assays. Keightley DD, et al. **J Steroid Biochem** 1980 Nov;13(11):1317–23

Modulation of EGF binding and action by succinylated concanavalin A in fibroblast cell cultures. Balln.er K, et al. **J Supramol Struct** 1980;14(2):209–14

The scavenger cell pathway for lipoprotein degradation: specificity of the binding site that mediates the uptake of negatively-charged LDL by macrophages. Brown MS, et al. **J Supramol Struct** 1980;13(1):67–81

Interaction of polypeptide neurotoxins with a receptor site associated with voltage-sensitive sodium channels. Catterall WA, et al. **J Supramol Struct** 1980;14(3):295–303

Oxytocin action: lack of correlation between receptor number and tissue responsiveness. Goren HJ, et al. **J Supramol Struct** 1980;14(2):129–38

Properties of receptors for epidermal growth factor in detergent solution: evidence for heterogeneous aggregated states. Linsley PS, et al. **J Supramol Struct** 1980; 14(4):511–25

Direct linkage of EGF to its receptor: characterization and biological relevance. Linsley PS, et al. **J Supramol Struct** 1980;14(4):441–59

Controlled proteolysis of EGF receptors: evidence for transmembrane distribution of the EGF binding and phosphate acceptor sites. Linsley PS, et al. **J Supramol Struct** 1980;14(4):461–71

Proteolytic domains of the epidermal growth factor receptor of human placenta. O'Keefe EJ, et al. **J Supramol Struct** 1981;15(1):15–27

Cell surface receptors for endogenous mouse type C viral glycoproteins and epidermal growth factor: tissue distribution in vivo and possible participation in specific cell-cell interaction. Rapp UR, et al. **J Supramol Struct** 1980;14(3):343–52

A x C rat prostate adenocarcinoma: initial characterization of testosterone regulation of hormone receptors of cultured cancer cells and derived tumors. Shain SA, et al. **JNCI** 1981 Mar;66(3):565–74

Transferrin receptors on leukaemic cells [letter] Larrick JW, et al. **Lancet** 1980 Oct 18;2(8199):862–3

The effect of dexamethasone, diet control and hyperglycemia on murine hepatic T3 receptors. Burman KD, et al. **Life Sci** 1981 Apr 13–20;28(15–16):1701–12

Adenosine receptors in the central nervous system: relationship to the central actions of methylxanthines. Daly JW, et al. **Life Sci** 1981 May 11;28(19):2083–97 (124 ref.)

Presence of specific prolactin binding sites in the rabbit hypothalamus. Di Carlo R, et al. **Life Sci** 1981 May 18; 28(20):2299–307

Effect of picrotoxin on benzodiazepine receptors and GABA receptors with reference to the effect of Cl- ion. Fujimoto M, et al. **Life Sci** 1981 Feb 23;28(8):895–901

Binding of gonadotropin releasing hormone agonist to rat ovarian granulosa cells. Jones PB, et al. **Life Sci** 1980 Dec 1;27(22):2125–32

Binding of luteinizing hormone-releasing hormone analogues to dispersed rat pituitary cells. Meidan R, et al. **Life Sci** 1981 Apr 27;28(17):1961–7

Adenosine receptors in rat testes: labeling with 3H-cyclohexyladenosine. Murphy KM, et al. **Life Sci** 1981 Feb 23;28(8):917–20

GABA receptor binding in bovine retina: effects of Triton X-100 and perchloric acid. Redburn DA, et al. **Life Sci** 1981 Feb 2;28(5):541–9

Alterations in T3 and T4 receptor binding in fasting and diabetes mellitus. Wartofsky L, et al. **Life Sci** 1981 Apr 13–20;28(15–16):1683–91

Heterozygous defects in alpha 1-antitrypsin and low-density lipoprotein receptor. Simultaneous occurrence in a pediatric patient. Cornicelli JA, et al. **Mayo Clin Proc** 1981 Feb;56(2):113–6

Changes in rat liver prolactin binding sites in diabetes are sex dependent. Baxter RC, et al. **Metabolism** 1981 Mar; 30(3):211–6

Epidermal growth factor receptors. Adamson ED, et al. **Mol Cell Biochem** 1981 Feb 11;34(3):129–52 (152 ref.)

Adenylate cyclase: the role of magnesium and other divalent cations. Cech SY, et al. **Mol Cell Biochem** 1980 Dec 10; 33(1–2):67–92 (125 ref.)

Binding of iodinated rat and ovine prolactins to prolactin receptors and to its antibodies. Barkey RJ, et al. **Mol Cell Endocrinol** 1981 Jul;23(1):105–13

Effect of prolactin and prostaglandins on the stimulation of prolactin binding sites in the male rat liver. Barkey RJ, et al. **Mol Cell Endocrinol** 1981 Feb;21(2):129–38

Flow cytometry: a novel approach for the quantitative analysis of receptor--ligand interactions on surfaces of living cells. Bohn B. **Mol Cell Endocrinol** 1980 Oct; 20(1):1–15 (34 ref.)

Porcine granulosa and cumulus cell properties. LH/hCG receptors, ability to secrete progesterone and ability to respond to LH. Channing CP, et al. **Mol Cell Endocrinol** 1981 Jun;22(3):359–70

Interaction of vasoactive intestinal peptide with human blood mononuclear cells. Guerrero JM, et al. **Mol Cell Endocrinol** 1981 Feb;21(2):151–60

Human choriogonadotropin-induced desensitization of granulosa-cell adenylate cyclase to gonadotropins and loss of LH/hCG receptor. Jääskeläinen K, et al. **Mol Cell Endocrinol** 1980 Nov;20(2):145–56

Interactions of glucagon with isolated rat-liver cells. Fate and subcellular localization of cell-associated hormone. Rouer E, et al. **Mol Cell Endocrinol** 1980 Aug;19(2):143–64

Guanine nucleotides modulate TRH-receptor binding in sheep anterior pituitary. Taylor RL, et al. **Mol Cell Endocrinol** 1981 Jan;21(1):85–91

Mathematical analysis of the kinetics of competitive inhibition in neurotransmitter receptor binding assays. Ehlert FJ, et al. **Mol Pharmacol** 1981 May;19(3):367–71

Neurotensin binding to extraneural and neural receptors: comparison with biological activity and structure--activity relationships. Kitabgi P, et al. **Mol Pharmacol** 1980 Jul; 18(1):11–9

Analogues of arachidonic acid used to evaluate structural determinants of prostaglandin receptor and enzyme specificities. LeDuc LE, et al. **Mol Pharmacol** 1981 Mar; 19(2):242–7

Regulation of the rat pituitary gonadotropin-releasing hormone receptor. Marian J, et al. **Mol Pharmacol** 1981 May;19(3):399–405

gamma-Aminobutyric acid receptor binding in mammalian brain. Heterogeneity of binding sites. Olsen RW, et al. **Mol Pharmacol** 1981 Mar;19(2):217–27

Adenosine receptors in fat cells. Identification by (-)-N6-[3H]phenylisopropyladenosine binding. Trost T, et al. **Mol Pharmacol** 1981 Mar;19(2):228–35

Functional EGF receptors are present on mouse embryo tissues. Adamson ED, et al. **Nature** 1981 Jun 25; 291(5817):656–9

Circulating angiotensin II and adrenal receptors after nephrectomy. Aguilera G, et al. **Nature** 1981 Feb 5; 289(5797):507–9

Voltage-dependent translocation of the asialoglycoprotein receptor across lipid membranes. Blumenthal R, et al. **Nature** 1980 Nov 27;288(5789):333–8

Purified EGF receptor-kinase interacts specifically with antibodies to Rous sarcoma virus transforming protein. Chinkers M, et al. **Nature** 1981 Apr 9;290(5806):516–9

Benzodiazepine recognition sites on GABA receptors. Gavish M, et al. **Nature** 1980 Oct 16;287(5783):651–2

3H-baclofen and 3H-GABA bind to bicuculline-insensitive GABA B sites in rat brain. Hill DR, et al. **Nature** 1981 Mar 12;290(5802):149–52

Role of corticosteroid-binding globulin in interaction of corticosterone with uterine and brain progesterone receptors. Al-Khouri H, et al. **Nature** 1980 Sep 4; 287(5777):58–60

Glutamate-preferring receptors regulate the release of D-[3H]aspartate from rat hippocampal slices. McBean GJ, et al. **Nature** 1981 Jun 18;291(5816):593–4

Epidermal growth factor receptors increase during the differentiation of embryonal carcinoma cells. Rees AR, et al. **Nature** 1979 Sep 27;281(5729):309–11

Human transforming growth factors induce tyrosine phosphorylation of EGF receptors. Reynolds FH Jr, et al. **Nature** 1981 Jul 16;292(5820):259–62

Alterations in brain cholecystokinin receptors after fasting. Saito A, et al. **Nature** 1981 Feb 12;289(5798):599–600

Receptor binding and internalization of immobilized transcobalamin II by mouse leukaemia cells. Takahashi K, et al. **Nature** 1980 Dec 25;288(5792):713–5

Preparation of 3H-[3-M3-His2]TRH as an improved ligand for TRH receptors. Taylor RL, et al. **Neuroendocrinology** 1981 May;32(5):310–6

GABA and benzodiazepine receptors in the offspring of dams receiving diazepam: ontogenetic studies. Massotti M, et al. **Neuropharmacology** 1980 Oct;19(10):951–6

Sex and strain differences in GABA receptor binding after chronic ethanol drinking in mice. Unwin JW, et al. **Neuropharmacology** 1980 Dec;19(12):1257–9

Pentobarbital enhances [3H]diazepam binding to soluble receptors at the benzodiazepine--GABA-receptor-ionophore complex. Davis WC, et al. **Neurosci Lett** 1981 May 6;23(2):209–13

GABA receptors distribution in rat substantia nigra. De Montis GM, et al. **Neurosci Lett** 1981 May 29;23(3):257–61

Pentobarbitone slows the dissociation of GABA from rat brain synaptosomal binding sites. Willow M, et al. **Neurosci Lett** 1981 Apr 9;23(1):71–4

Uptake and cellular degradation of low-density lipoprotein Thompson GR. **Nutr Metab** 1980;24 Suppl 1:12–8

Specific binding of human chorionic gonadotropin to human corpora lutea in the menstrual cycle. Bolton RA, et al. **Obstet Gynecol** 1980 Sep;56(3):336–8

Immunological studies of transferrin and transferrin receptors of human placental trophoblast. Galbraith GM, et al. **Placenta** 1980 Jan–Mar;1(1):33–46

Minimal steric difference study of structural requirements for the luteinizing hormone-releasing hormone (LH-RH) receptor. Simon Z, et al. **Pol J Pharmacol Pharm** 1980 Mar–Apr;32(2):179–85

Aggregation of luteinizing hormone receptors in granulosa cells: a possible mechanism of desensitization to the hormone. Amsterdam A, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3440–4

Adenosine receptors in brain membranes: binding of N6-cyclohexyl[3H]adenosine and 1,3-diethyl-8-[3H]phenylxanthine. Bruns RF, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5547–51

Receptor-mediated uptake of 3,3',5-triiodo-L-thyronine by cultured fibroblasts. Cheng Sy, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3425–6

Direct inhibition of testicular function by gonadotropin-releasing hormone: mediation by specific gonadotropin-releasing hormone receptors in interstitial cells. Clayton RN, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4459–63

Characterization of specific receptors for calcitonin in porcine lung. Fouchereau-Peron M, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3973–5

Colloidal gold--low density lipoprotein conjugates as membrane receptor probes. Handley DA, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):368–71

Immunological evidence for the transmembrane nature of the rat liver receptor for asialoglycoproteins. Harford J, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1557–61

Receptor-mediated internalization of fluorescent gonadotropin-releasing hormone by pituitary gonadotropes. Hazum E, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6692–5

Interaction of human diferric transferrin with reticulocytes. Huebers H, et al. **Proc Natl Acad Sci USA** 1981 Jan; 78(1):621–5

Distinct cholecystokinin receptors in brain and pancreas. Innis RB, et al. **Proc Natl Acad Sci USA** 1980 Nov; 77(11):6917–21

[3H]Bradykinin receptor binding in mammalian tissue membranes. Innis RB, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2630–4

Macromolecular photoaffinity labeling of the lutropin receptor on granulosa cells. Ji I, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7167–70

Identification of the glucagon receptor in rat liver membranes by photoaffinity crosslinking. Johnson GL, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):875–8

Reconstitution of the hepatic asialoglycoprotein receptor with phospholipid vesicles. Klausner RD, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5087–91

Regulatory role for hepatic low density lipoprotein receptors in vivo in the dog. Kovanen PT, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):1194–8

Saturation and suppression of hepatic lipoprotein receptors: a mechanism for the hypercholesterolemia of cholesterol-fed rabbits. Kovanen PT, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1396–400

Saccharin and cyclamate inhibit binding of epidermal growth factor. Lee LS. **Proc Natl Acad Sci USA** 1981 Feb; 78(2):1042–6

Affinity labeling of rat liver thyroid hormone nuclear receptor. Nikodem VM, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7064–8

Photoaffinity labeling of corticotropin receptors. Ramachandran J, et al. **Proc Natl Acad Sci USA** 1980 Jul; 77(7):3967–70

Covalent crosslinking of human chorionic gonadotropin to its receptor in rat testes. Rebois RV, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2086–9

Similar luteinizing hormone-releasing hormone binding sites in rat anterior pituitary and ovary. Reeves JJ, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5567–71

Restoration of glucagon responsiveness in spontaneously transformed rat hepatocytes (RL-PR-C) by fusion with normal progenitor cells and rat liver plasma membranes. Reilly TM, et al. **Proc Natl Acad Sci USA** 1981 Jan; 78(1):182–6

Adenosine receptors and behavioral actions of methylxanthines. Snyder SH, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):3260–4

Obligatory separation of hormone binding and biological response curves in systems dependent upon secondary mediators of hormone action. Strickland S, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1366–70

Defects of receptor-mediated low density lipoprotein catabolism in homozygous familial hypercholesterolemia and hypothyroidism in vivo. Thompson GR, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2591–5

Transforming growth factors produced by certain human tumor cells: polypeptides that interact with epidermal growth factor receptors. Todaro GJ, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5258–62

Low density lipoprotein receptor activity in human monocyte-derived macrophages and its relation to atheromatous lesions. Traber MG, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5466–70

Characterization of angiotensin receptors on bovine adrenal fasciculata cells. Vallotton MB, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):592–6

Platelet-derived growth factor stimulates low density lipoprotein receptor activity in cultured human fibroblasts. Witte LD, et al. **Proc Natl Acad Sci USA** 1980 Oct; 77(10):5962–6

Radioimmunoreactivity and receptor-binding activity of the recombined molecule obtained by complementation of two fibrinolysin fragments of ovine prolactin. Wong TM, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):88–90

Monoclonal antibodies to the thyrotropin receptor: implications for receptor structure and the action of autoantibodies in Graves disease. Yavin E, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):3180–4

Prealbumin and the thyroid hormone nuclear receptor. Blake CC. **Proc R Soc Lond [Biol]** 1981 Mar 27;211(1185):413–31

Pharmacological differentiation of calmodulin receptors? Vincenzi FF. **Proc West Pharmacol Soc** 1981;24:193–6

Purinergic nerves and receptors. Burnstock G. **Prog Biochem Pharmacol** 1980;16:141–54

The renal parathyroid hormone receptor-adenylate cyclase system in vitro and in vivo. Nissenson RA, et al. **Prog Biochem Pharmacol** 1980;17:173–81

On the multiplicity of platelet prostaglandin receptors. I. Evaluation of competitive antagonism by aggregometry. Andersen NH, et al. **Prostaglandins** 1980 May;19(5):711–35

The coupling of receptors to adenylate cyclases [proceedings] Levitzki A. **Psychopharmacol Bull** 1980 Oct;16(4):17–9

Regulation of peptide hormone receptors and gonadal steroidogenesis. Catt KJ, et al. **Recent Prog Horm Res** 1980; 36:557–662 (154 ref.)

Steroid hormone receptors in breast cancer treatment strategy. McGuire WL. **Recent Prog Horm Res** 1980; 36:135–56 (24 ref.)

Properties of vasoactive intestinal peptide-receptor interaction in rat liver membranes. Guerrero JM, et al. **Rev Esp Fisiol** 1981 Mar;37(1):1–8

Guanyl nucleotide regulation of vasoactive intestinal peptide interaction with rat liver membranes. Ramirez-Cardenas R, et al. **Rev Esp Fisiol** 1981 Mar;37(1):9–16

Gonadotropin-releasing hormone receptor binding and pituitary responsiveness in estradiol-primed monkeys. Adams TE, et al. **Science** 1981 Sep 18;213(4514):1388–90

Visualization of specific angiotensin II binding sites in the brain by fluorescent microscopy. Landas S, et al. **Science** 1980 Nov 14;210(4471):791–3

Binding and mobility of the cell surface receptors for 3,3',5-triiodo-L-thyronine. Maxfield FR, et al. **Science** 1981 Jan 2;211(4477):63–5

Receptor for albumin on the liver cell surface may mediate uptake of fatty acids and other albumin-bound substances. Weisiger R, et al. **Science** 1981 Mar 6;211(4486):1048–51

Identification of two distinct adenosine diphosphate receptors in human platelets. Colman RW, et al. **Trans Assoc Am Physicians** 1980;93:305–16

[Function of hormone receptors in disease] Xu RB. **Sheng Li Ko Hsueh Chin Chan** 1980;11(1):19–25 **(Chi)**

[Tri-iodothyronine bond to human prostate gland cytosol proteins (author's transl)] Felt V. **Cas Lek Cesk** 1980 Oct; 119(43–44):1165–6 (Eng. Abstr.) **(Cze)**

[Lymphocytic hormonal receptors (author's transl)] Arrang JM, et al. **Ann Biol Clin (Paris)** 1980;38(5):283–92 (69 ref.) (Eng. Abstr.) **(Fre)**

[Effect of ouabain on the lactogenic action of prolactin and on the level of mammary prolactin receptors] Houdebine LM, et al. **Biochimie** 1980;62(7):433–40 (Eng. Abstr.) **(Fre)**

[Experimental neuroendocrinology. 10th annual meeting of the French Society of Experimental Neuroendocrinology, Oullins, 6–7 September 1979] **J Physiol (Paris)** 1980 Jul; 76(3):187–287, 1B–7B **(Fre)**

[Experimental changes of GABA receptor binding in the central nervous system (author's transl)] Placheta P, et al. **Wien Klin Wochenschr** 1980;92(20):725–9 (Eng. Abstr.) **(Ger)**

[On the influence of hormones on genome in aging (author's transl)] Martin R, et al. **ZFA (Dresden)** 1980;35(1):3–12 (Eng. Abstr.) **(Ger)**

[Study of oxytocin receptor activities in human myometrial preparation (author's transl)] Sakamoto H, et al. **Acta Obstet Gynaecol Jpn** 1981 Mar;33(3):344–52 (Eng. Abstr.) **(Jpn)**

[Thyroid hormone receptors (author's transl)] Hamada S. **Horumon To Rinsho** 1981 Jan;29(1):63–70 (29 ref.) **(Jpn)**

[Nuclear triiodothyronine-receptors in rat brain (author's transl)] Hamada S, et al. **Horumon To Rinsho** 1980 Aug; 28(8):877–82 **(Jpn)**

[Pseudohypoparathyroidism. Receptor on human lymphocytes (author's transl)] Ishida M, et al. **Horumon To Rinsho** 1981 Feb;29(2):165–7 **(Jpn)**

[Anterior pituitary LH-RH receptor (author's transl)] Ogawa N, et al. **Horumon To Rinsho** 1980 Aug;28(8):889–97 **(Jpn)**

[Anterior pituitary LH-RH receptor (author's transl)] Taga M, et al. **Horumon To Rinsho** 1980 Aug;28(8):883–7 **(Jpn)**

[ACTH receptors in human adrenocortical tumors (author's transl)] Nishisato K. **Nippon Naibunpi Gakkai Zasshi** 1980 Aug 20;56(8):1050–66 (Eng. Abstr.) **(Jpn)**

[Changes of prostaglandin receptors in myometrium--interaction between steroids and prostaglandins--(author's transl)] Imoto N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Jun;32(6):749–56 (Eng. Abstr.) **(Jpn)**

[Metabolism of membrane phospholipid and mode of hormone action (author's transl)] Takai Y. **Seikagaku** 1980; 52(5):305–10 (35 ref.) **(Jpn)**

[Nuclear and cytosol thyroxine and triiodothyronine receptors in the rat pituitary gland] Jerzmanowska M, et al. **Endokrynol Pol** 1980 Jul–Aug;31(4):325–32 (Eng. Abstr.) **(Pol)**

[Role of cytosol receptor in the regulation of deiodination of thyroxine to triiodothyronine in the microsomal fraction of rat liver] Nauman A, et al. **Endokrynol Pol** 1980 Jul–Aug;31(4):319–24 (Eng. Abstr.) **(Pol)**

[Hormonal control mechanisms in gene regulation] León N. **Acta Cient Venez** 1978;29(4):240–4 (Eng. Abstr.) **(Por)**

[Specificity of LH binding by interstitial tissues of polycystic ovaries in comparison with their androgenic activity] Dobracheva AD, et al. **Probl Endokrinol (Mosk)** 1981 Mar–Apr;27(2):26–31 (Eng. Abstr.) **(Rus)**

[Angiotensin II receptors in the adrenals] Porunkevich EA, et al. **Probl Endokrinol (Mosk)** 1980;26(6):74–83 (119 ref.) **(Rus)**

[Role of biological membrane lipid component in hormone reception and adenylate cyclase system function] Saatov TS. **Ukr Biokhim Zh** 1981 Mar–Apr;53(2):44–51 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Restoration of guanine nucleotide- and fluoride-stimulated activity to an adenylate cyclase-deficient cell line with affinity-purified guanine nucleotide regulatory protein. Nielsen TB, et al. **Biochem J** 1980 Aug 15;190(2):439–43

Oxytocin receptors and parturition in the guinea pig. Alexandrova M, et al. **Biol Reprod** 1980 Jun;22(5):1106–11

Lysomotropic amines cause intracellular accumulation of receptors for epidermal growth factor. King AC, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3283–7

PHYSIOLOGY

GABA receptor functions in cultured mouse spinal neurons. Barker JL, et al. **Adv Biochem Psychopharmacol** 1981; 29:281–93

Physiological study of amino acid uptake and receptor desensitization: the GABA system in dorsal root ganglia. Désarménien M, et al. **Adv Biochem Psychopharmacol** 1981; 29:309–19

Anterior pituitary GABA receptors and their regulation of prolactin secretion. Grandison L. **Adv Biochem Psychopharmacol** 1981;26:219–27

Desensitization of GABA receptors. Krnjević K. **Adv Biochem Psychopharmacol** 1981;26:111–20 (37 ref.)

GABA receptors regulate the affinities of anions required for brain specific benzodiazepine binding. Squires RF. **Adv Biochem Psychopharmacol** 1981;26:129–38 (24 ref.)

Glutamate synapses and receptors on insect muscle. Usherwood PN. **Adv Biochem Psychopharmacol** 1981; 27:183–93 (38 ref.)

Pharmacology of receptors for excitatory amino acids. Watkins JC, et al. **Adv Biochem Psychopharmacol** 1981; 27:263–73 (44 ref.)

Receptor mediated endocytosis. Michl J. **Am J Clin Nutr** 1980 Nov;33(11 Suppl):2462–71 (41 ref.)

Vascular response of the dogfish and sculpin to angiotensin II. Carroll RG. **Am J Physiol** 1981 Mar;240(3):R139–43

Mucosal gastrin receptor. V. Development in newborn rats. Takeuchi K, et al. **Am J Physiol** 1981 Feb;240(2):G163–9

Clinical implications of membrane receptor function in anesthesia. Maze M. **Anesthesiology** 1981 Aug;55(2):160–71 (100 ref.)

Hormone receptors and target cell responsiveness. Jänne OA, et al. **Ann Clin Res** 1980 Oct;12(5):174–91 (173 ref.)

Gonadotropin receptors: characteristics and clinical significance. Rajaniemi HJ, et al. **Ann Clin Res** 1980 Oct; 12(5):192–201 (79 ref.)

Receptor-mediated endocytosis of hormones in cultured cells. Pastan IH, et al. **Annu Rev Physiol** 1981;43:239–50 (44 ref.)

Idiopathic lower esophageal sphincter incompetence and esophageal stricture. Mukhopadhyay AK. **Arch Intern Med** 1980 Nov;140(11):1493–9

Microiontophoretic study of the GABA receptor in the feline caudate nucleus. Norcross K, et al. **Brain Res** 1981 Aug 31;219(2):345–53

The neurolathyrogen, beta-N-oxalyl-L-alpha,beta-diaminopropionic acid, is a potent agonist at 'glutamate preferring' receptors in the frog spinal cord. Pearson S, et al. **Brain Res** 1981 Feb 9; 206(1):178–82

Correlation between cell density, membrane fluidity, and the availability of transferrin receptors in Friend erythroleukemic cells. Muller CP, et al. **Cell Biophys** 1980 Sep;2(3):233–40

Hormones, receptors, and cyclic AMP: their role in target cell refractoriness. Lefkowitz RJ, et al. **Curr Top Cell Regul** 1980;17:205–30 (61 ref.)
Formyl peptide chemotactic receptors of leukocytes and macrophages. Niedel JE, et al. **Curr Top Cell Regul** 1980; 17:137–70 (112 ref.)
Co–capping of insulin, epidermal growth factor and concanavalin A surface receptors with each other and with cytoplasmic actin. Prime SS, et al. **Cytobios** 1980; 28(111–112):151–60
Hormone receptors. Blake CC. **Endeavour** 1978;2(3):137–41
Obligatory role of luteinizing hormone (LH) in the initiation of preovulatory follicular growth in the pregnant rat: specific effects of human chorionic gonadotropin and follicle–stimulating of hormone on LH receptors and steroidogenesis in theca, granulosa, and luteal cells. Bogovich K, et al. **Endocrinology** 1981 Sep;109(3):860–7
Regulation of pituitary gonadotropin–releasing hormone receptors by gonadal hormones. Clayton RN, et al. **Endocrinology** 1981 Mar;108(3):887–95
Gonadotropin–induced positive regulation of testicular luteinizing hormone receptors. Huhtaniemi IT, et al. **Endocrinology** 1981 Jan;108(1):58–65
Regulation of the rat thyrotropin receptor in vitro. Witte A, et al. **Endocrinology** 1981 Jan;108(1):305–9
A novel GABA receptor modulates stimulus–induced glutamate release from cortico–striatal terminals. Mitchell R. **Eur J Pharmacol** 1980 Oct 3;67(1):119–22
In vivo evidence for GABAergic control of serotonin release in the cat substantia nigra. Soubrié P, et al. **Eur J Pharmacol** 1981 Feb 19;69(4):483–8
The development of GABA receptors in normal and mutant mouse cerebellum. East JM, et al. **FEBS Lett** 1981 Jan 26;123(2):307–11
Evidence for mesangial glomerular receptors for angiotensin II linked to mesangial cell contractility. Foidart J, et al. **FEBS Lett** 1980 Dec 1;121(2):333–9
Receptors for cholecystokinin and insulin in isolated pancreatic acini: hormonal control of secretion and metabolism. Williams JA, et al. **Fed Proc** 1981 Aug; 40(10):2497–502 (30 ref.)
Lack of relationship between prolactin binding and growth rate of carcinogen–induced mammary tumors or circulating levels of mammotropic hormones in rats. Nagasawa H, et al. **Gan** 1980 Apr;71(2):271–2
New category of vasopressin receptor in the central nervous system. Evidence that this receptor mediates the release of a humoral factor VIII–mobilizing principle. Cort JH, et al. **Int J Pept Protein Res** 1981 Jan;17(1):14–22
Affinity labeling of a human platelet membrane protein with 5'–p–fluorosulfonylbenzoyl adenosine. Concomitant inhibition of ADP–induced platelet aggregation and fibrinogen receptor exposure. Figures WR, et al. **J Biol Chem** 1981 Aug 10;256(15):7789–95
Effect of dipyridamole on sympathetic nerve function: role of adenosine and presynaptic purinergic receptors. Hom GJ, et al. **J Cardiovasc Pharmacol** 1981 Mar–Apr; 3(2):391–401
Binding of thrombin to cultured human fibroblasts: evidence for receptor modulation. Hall WM, et al. **J Cell Biol** 1980 Dec;87(3 Pt 1):601–10
Consequences of chemotactic peptide receptor modulation for leukocyte orientation. Zigmond SH. **J Cell Biol** 1981 Mar;88(3):644–7
Lymphocyte capping induced by polycationized ferritin. Butman BT, et al. **J Cell Physiol** 1980 Oct;105(1):7–15
Importance of the vasoactive intestinal peptide receptor in the stimulation of cyclic adenosine 3',5'–monophosphate in gallbladder epithelial cells of man. Comparison with the guinea pig. Dupont C, et al. **J Clin Invest** 1981 Mar; 67(3):742–52
Chemotactic factor receptors on leukocytes––scratching the surface. Goldstein IM. **J Lab Clin Med** 1981 May; 97(5):599–601
Distribution and pharmacological properties of synaptic and extrasynaptic glutamate receptors on crayfish muscle. Onodera K, et al. **J Physiol (Lond)** 1980 Sep;306:233–50
Adenosine receptor–mediated inhibition of rat cerebral cortical adenylate cyclase by a GTP–dependent process. Cooper DM, et al. **Mol Pharmacol** 1980 Nov;18(3):598–601
Peptide hormone–induced receptor mobility, aggregation, and internalization. King AC, et al. **N Engl J Med** 1981 Jul 9;305(2):77–88
Somatostatin modulates effects of angiotensin II in adrenal glomerulosa zone. Aguilera G, et al. **Nature** 1981 Jul 16; 292(5820):262–3
Hormonal regulation of peptide receptors and target cell responses. Catt KJ, et al. **Nature** 1979 Jul 12; 280(5718):109–16 (98 ref.)
Regulation by angiotensin II of its receptors in resistance blood vessels. Gunther S, et al. **Nature** 1980 Sep 18; 287(5779):230–2
Sertoli–Leydig cell communication via an LHRH–like factor. Sharpe RM, et al. **Nature** 1981 Apr 30;290(5809):785–7
Involvement of central GABA receptors in the regulation of the urinary bladder function of anaesthetized rats. Sillén U, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Nov; 314(2):195–200
Effects of anticonvulsants on excitability and GABA sensitivity of cat dorsal root ganglion cells. Gallagher JP, et al. **Neuropharmacology** 1981 May;20(5):427–33
Biological actions mediated by membrane receptors. Shooter EM. **Pediatr Res** 1981 Aug;15(8):1150–6 (18 ref.)
Distinct pharmacological properties of excitatory amino acid receptors in the rat striatum: study by Na+ efflux assay. Luini A, et al. **Proc Natl Acad Sci USA** 1981 May; 78(5):3250–4
Human cell surface glycoprotein related to cell proliferation is the receptor for transferrin. Trowbridge IS, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):3039–43
Effect of sodium valproate on motor function regulated by the activation of GABA receptors. Kuruvilla A, et al. **Psychopharmacology (Berlin)** 1981;72(2):167–72
Regulation of plasma cholesterol by lipoprotein receptors. Brown MS, et al. **Science** 1981 May 8;212(4495):628–35 (72 ref.)
Glucoreceptors controlling feeding and blood glucose: location in the hindbrain. Ritter RC, et al. **Science** 1981 Jul 24;213(4506):451–2
Molecular and cellular mechanisms of leukocyte chemotaxis. Snyderman R, et al. **Science** 1981 Aug 21;213(4510):830–7 (64 ref.)
[Gut receptors for hormonal peptides (author's transl)] Robberecht P, et al. **Gastroenterol Clin Biol** 1981 Mar; 5(3):290–9 (102 ref.) **(Fre)**
[Vasoactive polypeptide receptors] Regoli D, et al. **Union Med Can** 1980 Sep;109(9):1315–22 (19 ref.) (Eng. Abstr.) **(Fre)**
[Molecular mechanisms of steroid hormone action (author's transl)] Gehring U. **Arzneimittelforsch** 1980; 30(11a):1996–2000 (Eng. Abstr.) **(Ger)**
[Receptor dysfunction as a pathogenetic principle in hormone resistance and metabolic diseases] Tenschert W, et al. **Schweiz Med Wochenschr** 1981 Feb 7;111(6):174–81 (58 ref.) (Eng. Abstr.) **(Ger)**
[Hormone receptors in research and their clinical application (author's transl)] Spona J, et al. **Wien Klin Wochenschr [Suppl]** 1980 Aug 29;92(16):561–4 (Eng. Abstr.) **(Ger)**
[Studies on ontogenesis and the regulatory mechanism of hPL binding factor (hPL receptor) in rat liver (author's transl)] Ueda Y, et al. **Acta Obstet Gynaecol Jpn** 1981 Mar; 33(3):331–8 (Eng. Abstr.) **(Jpn)**
[Evolution of gonadotropin receptor (author's transl)] Adachi T, et al. **Horumon To Rinsho** 1980 Apr;28(4):393–6 **(Jpn)**
[Hormone receptor diseases (author's transl)] Imura H, et al. **Horumon To Rinsho** 1981 Feb;29(2):139–45 **(Jpn)**
[Some problems on hormone receptors (author's transl)] Kondo Y. **Horumon To Rinsho** 1981 Jan;29(1):3–7 **(Jpn)**
[LH receptor and modulation of luteal function (author's transl)] Nakano R. **Horumon To Rinsho** 1981 Jan; 29(1):29–32 **(Jpn)**
[Change in follicle–stimulating hormone receptors and its hormonal regulation in the developing testis (author's transl)] Tsutsui K, et al. **Horumon To Rinsho** 1981 Jan; 29(1):33–6 **(Jpn)**
[Relation between blood pressure regulation (abnormalities) and angiotensin receptor (author's transl)] Fukuchi S. **Nippon Naika Gakkai Zasshi** 1980 Dec;69(12):1573–7 **(Jpn)**
[Hormone–receptor diseases concepts and nation–wide survey in Japan (author's transl)] Imura H. **Nippon Naika Gakkai Zasshi** 1980 Dec;69(12):1552–6 **(Jpn)**
[Electrophysiological study of sex pheromone reception in the boar, Sus scrofa] Minor AV, et al. **Zh Evol Biokhim Fiziol** 1980 Nov–Dec;16(6):616–9 (Eng. Abstr.) **(Rus)**
[Cell surface receptors and their disorders] Bergström K, et al. **Lakartidningen** 1981;78(13):1309–18 (Eng. Abstr.) **(Swe)**

RADIATION EFFECTS

Molecular size of the hepatic receptor for asialoglycoproteins determined in situ by radiation inactivation. Steer CJ, et al. **J Biol Chem** 1981 Jun 10;256(11):5851–6

RECEPTORS, IMMUNOLOGIC

Is cholesterol the receptor for polyene antibiotic–induced B–lymphocyte activation. Hammarström L, et al. **Cell Immunol** 1980 Nov;56(1):193–204
Receptors for IgM on rat spleen cells. Uher F, et al. **Cell Immunol** 1981 May 1;60(1):168–80
D–Mannose as a component of the macrophage surface receptor for macrophage–activating factor(MAF) in mice. Yamamoto S, et al. **Cell Immunol** 1981 Jul 1;61(2):319–31
Receptors for immunoglobulin isotype on T and B lymphocytes from untreated patients with chronic lymphocytic leukaemia. Platsoucas CD, et al. **Clin Exp Immunol** 1980 May;40(2):256–63
Ultrastructure and cytochemistry of human peripheral blood lymphocytes. Similarities between the cells of the third population and TG lymphocytes. Ferrarini M, et al. **Eur J Immunol** 1980 Jul;10(7):562–70
Anti–Thy–1–mediated T cell activation. Role of soluble factors and expression of interleukin 2 receptors on T cells. Konaka Y, et al. **Eur J Immunol** 1981 Jun;11(6):445–50
Heterogeneity of cell surface receptors and mitogen reactivity of individual spontaneous AKR lymphomas. Nell LJ, et al. **Exp Hematol** 1981 Jul;9(6):611–8
HBsAg–associated albumin receptors and antialbumin antibodies in sera of patients with liver disease. Thung SN, et al. **Gastroenterology** 1981 Feb;80(2):260–4
Specificities of albumin receptors and albumin antibodies. Thung SN, et al. **Infect Immun** 1981 Jun;32(3):1292–4
Binding of the receptors for IgE by various lectins. Helm RM, et al. **Int Arch Allergy Appl Immunol** 1981;65(1):81–4
Antigen– and receptor–driven regulatory mechanisms. VII. H–2–restricted anti–idiotypic suppressor factor from efferent suppressor T cells. Dietz MH, et al. **J Exp Med** 1981 Feb 1;153(2):450–63
Macrophage receptors for IgE: binding of IgE to specific IgE Fc receptors on a human macrophage cell line, U937. Anderson CL, et al. **J Immunol** 1981 Jun;126(6):2470–3
The presence of two kinds of receptors for IgE on rat mast cells. Froese A. **J Immunol** 1980 Sep;125(3):981–7
Monoclonal antibody OKT–9 recognizes the receptor for transferrin on human acute lymphocytic leukemia cells. Goding JW, et al. **J Immunol** 1981 Sep;127(3):1256–8
Changes in lectin receptor lateral mobilities accompany lymphocyte stimulation. Leuther MD, et al. **J Immunol** 1981 Sep;127(3):893–9
The role of immunoglobulin receptors and T cell mediators in B lymphocyte activation. I. B cell activation by anti–immunoglobulin and anti–idiotype reagents. Primi D, et al. **J Immunol** 1980 Sep;125(3):1286–92
Cell surface characteristics of human histiocytic lymphoma cell lines. II. Expression of Helix pomatia A hemagglutinin binding surface glycoproteins, HLA–DR and common acute lymphocytic leukemia (cALL) antigen. Nilsson K, et al. **Leuk Res** 1981;5(3):185–93

ANALYSIS

Studies of surface markers on canine lymphocytes. Kelly GE. **Aust J Exp Biol Med Sci** 1980 Oct;58(5):471–8
Differentiation of cell surface receptors on normal human bone marrow myeloid precursors. Barrett SG, et al. **Br J Haematol** 1981 Jul;48(3):491–500
Subpopulations of human T lymphocytes. XV. T lymphocytes with receptors for IgA (T alpha), a distinct subpopulation of T lymphocytes. Studies in patients with primary immunodeficiency disorders. Gupta S, et al. **Clin Exp Immunol** 1980 Aug;41(2):363–71
An immunofluorescence study of IgG receptors in rodent enterocytes. Morris IG. **Immunology** 1980 Jun;40(2):273–80
Surface immunoglobulin receptors of rabbit lymphoid cells. Evaluation of fluorescent staining with antibodies to immunoglobulin light chain allotypes. Szymanska I, et al. **Int Arch Allergy Appl Immunol** 1980;63(3):241–9
Identification of a human T lymphocyte surface protein associated with the E–rosette receptor. Kamoun M, et al. **J Exp Med** 1981 Jan 1;153(1):207–12
Disturbance of redistribution of surface membrane receptors on peripheral mononuclear cells of patients with Down's syndrome and of aged individuals. Naeim F, et al. **J Gerontol** 1980 Sep;35(5):650–5
A rapid technique for detecting IgGFc and complement receptors on T and B cells in the neonatally thymectomized and normal adult rat. Clancy J Jr, et al. **J Immunol Methods** 1981;40(2):131–41
Presence of a receptor for albumin on individual HBsAg polypeptides and on HBsAg produced by a hepatoma cell line. Ionescu–Matiu I, et al. **J Med Virol** 1980;6(2):175–8
[Venereal undifferentiated hematosarcoma of dogs (Sticker's sarcoma): formation of 'tumor rosettes' with human red blood cells] Zarrouk K, et al. **Arch Inst Pasteur Tunis** 1980 Mar–Jun;57(1–2):53–9 **(Fre)**
[Immune complex monitoring in Echinococcus infections] La Ganga V, et al. **Minerva Med** 1980 Oct 31; 71(42):3057–61 (Eng. Abstr.) **(Ita)**
[Thymocyte receptors reacting with erythrocytes and the Fc–fragment of IgG] Bezvershenko IA, et al. **Biull Eksp Biol Med** 1980 Oct;90(10):451–3 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Gene expression of erythrocyte receptor: regulation of erythrocyte–receptor synthesis in T–lymphocytes. Sharpe MR, et al. **FEBS Lett** 1980 Dec 1;121(2):295–8

DRUG EFFECTS

Phosphorylation of the IgE receptor from ionophore A23187 stimulated intact rat mast cells. Hempstead BL, et al. **Biochem Biophys Res Commun** 1981 Feb 12;98(3):815–22
Inhibition of capping of immunoglobulin and concanavalin A receptors by cis–dichlorodiammine–platinum–(II) in mouse spleen cells. Tsokos GC, et al. **Cancer Lett** 1980 Sep;10(3):261–7
Inhibition by bacitracin of high affinity binding of 125I–alpha 2M to plasma membranes. Dickson RB, et al. **FEBS Lett** 1981 Apr 20;126(2):265–8
Resynthesis of trypsinized sheep red blood cell receptors on human lymphocytes: comparison of the effects of immunopotentiators of biological and synthetic origin in vitro. Nékám K, et al. **Immunopharmacology** 1981 Feb; 3(1):31–9
[The effect of a new C–nucleoside on protein synthesis (author's transl)] Barriga C, et al. **Arch Farmacol Toxicol** 1980 Aug;6(2):139–44 (Eng. Abstr.) **(Spa)**

GENETICS

Use of cir-lac operon fusions to study transcriptional regulation of the colicin Ia receptor in Escherichia coli K-12. Worsham PL, et al. **J Bacteriol** 1981 Jan; 145(1):647-50

Genes of lymphocytes II: T-cell receptors, idiotypes and the MHC [news] Robertson M. **Nature** 1981 May 21; 291(5812):187-8

IMMUNOLOGY

Binding specificity of guinea pig anti-alpha-keratin polypeptide sera on human keratinocytes: comparison of their receptors with those of human epidermal cytoplasmic antibodies. Viac J, et al. **Acta Derm Venereol (Stockh)** 1980; 60(3):189-96

The interaction of the K88 antigen with porcine intestinal epithelial cell brush borders. Sellwood R. **Biochim Biophys Acta** 1980 Oct 1;632(2):326-35

Peripheral blood lymphocyte receptors for B-lymphoblastoid cell lines (B-LCL). Zighelboim J, et al. **Blood** 1980 Oct; 56(4):690-5

Receptor-ligand interactions and tolerance induction in mature virgin B cells. Desaymard C. **Cell Immunol** 1981 Jul 15;62(1):196-204

Comparative study of splenic natural killer cells and prothymocytes. Koo GC, et al. **Cell Immunol** 1981 Jul 15; 62(1):164-71

Regulation of IgE response by IgE binding factors. Ishizaka K, et al. **Fed Proc** 1981 Jun;40(8):2162-6

Fc receptors of human peripheral mononuclear cells. Gergely J, et al. **Haematologia (Budap)** 1980;13(1-4):239-48

Interactions between lymphocyte membrane molecules. I. Interaction between B lymphocyte surface IgM and Fc IgG receptors requires ligand occupancy of both receptors. Dickler HB, et al. **J Exp Med** 1981 May 1;153(5):1329-43

A marmoset T-lymphocyte protein related to defined human serum immunoglobulin and fragments. Marchalonis JJ, et al. **J Immunogenet** 1981 Jun;8(3):165-75

Functional and partial chemical characterization of the carbohydrate moieties of the IgE receptor on rat basophilic leukemia cells and rat mast cells. Pecoud AR, et al. **J Immunol** 1981 Apr;126(4):1624-9

Markers of macrophage heterogeneity: altered frequency of macrophage subpopulations after various pathologic stimuli. Roubin R, et al. **J Reticuloendothel Soc** 1981 Jun; 29(6):423-32

Polyclonal activation of Ts cells with antiserum directed against an IGH-1 linked candidate for a T-cell receptor constant region marker. Owen FL. **J Supramol Struct** 1980; 14(2):175-82

Fc and C3 receptors of swine alveolar macrophages. Charley B, et al. **Res Vet Sci** 1980 May;28(3):380-1

Surface receptors for immunoglobulin on bovine polymorphonuclear neutrophils and macrophages. Howard CJ, et al. **Res Vet Sci** 1980 Jul;29(1):128-30

Platelet FcIgG receptor: increased expression in female platelets. Moore A, et al. **Thromb Res** 1981 Feb-Mar; 21(4-5):469-74

Peanut agglutinin receptor bearing, Nonadherent mononuclear cells circulating in the blood after bone marrow transplantation in man. Elfenbein GJ, et al. **Transplant Proc** 1981 Mar;13(1 Pt 1):273-7

Relationship of Ly-3 and idiotypic determinants to the T-cell receptor. Rabinowitz R, et al. **Transplant Proc** 1981 Mar; 13(1 Pt 2):1147-9

Predominance of T-lymphocytes with a high-affinity receptor for sheep red blood cells in the synovial fluid of patients with rheumatoid arthritis. A short communication. Gramatzki M, et al. **Z Rheumatol** 1981 Jan-Feb;40(1):21-4

[Topics in basic and clinical immunology cell surface receptors and their role in immune response (author's transl)] Noguchi Y. **Nippon Hifuka Gakkai Zasshi** 1980 Nov;90(12):1208-15 (38 ref.) **(Jpn)**

[Lymphoreceptopathy in the patients with systemic lupus erythematosus (author's transl)] Arimori S. **Nippon Naika Gakkai Zasshi** 1980 Dec;69(12):1584-9 **(Jpn)**

ISOLATION & PURIFICATION

The incorporation of tritiated precursors into receptors for IgE of rat basophilic leukemia cells. Helm RM, et al. **Immunology** 1981 Apr;42(4):629-36

Composition and subunit structure of the cell receptor for immunoglobulin E. Kanellopoulos JM, et al. **J Biol Chem** 1980 Oct 10;255(19):9060-6

[Immunosorption isolation of Thy-1 antigen from thymocyte plasma membrane components] Lukashova RG, et al. **Ukr Biokhim Zh** 1981 Jan-Feb;53(1):72-5 (Eng. Abstr.) **(Rus)**

METABOLISM

IgG receptors on the mast cells. Moodley I, et al. **Agents Actions** 1981 Apr;11(1-2):77-83

Receptor-mediated internalization of Pseudomonas toxin by mouse fibroblasts. FitzGerald D, et al. **Cell** 1980 Oct; 21(3):867-73

Internalization of alpha 2 macroglobulin in receptosomes. Studies with monovalent electron microscopic markers. Dickson RB, et al. **Exp Cell Res** 1981 Apr;132(2):488-93

A comparative study of the shedding process mouse erythrocyte binding receptors on peripheral blood lymphocytes from healthy donors and patients suffering from chronic lymphocytic leukemia. Dobozy A, et al. **Exp Hematol** 1980 Jul;8(6):690-3

Cyclosporin receptor on mouse lymphocytes. Ryffel B, et al. **Immunology** 1980 Dec;41(4):913-9

Surface receptors and immune activity of purified human circulating mononuclear cells. I. The effects of lysis of the sheep red blood cells (SRBC) in the T-cell rosettes on the receptors and cytotoxic activities of the T cells. T cells with receptors for complement. Sklar S, et al. **Immunopharmacology** 1980 Dec;2(4):349-59

Further characteristics of beta2-microglobulin binding to oral streptococci. Ericson D, et al. **Infect Immun** 1980 Oct; 30(1):117-24

Receptors for fibrinogen and aggregated beta 2-microglobulin detected in strains of group B streptococci. Schönbeck C, et al. **Infect Immun** 1981 Mar;31(3):856-61

Binding of the receptors for IgE by various lectins. Helm RM, et al. **Int Arch Allergy Appl Immunol** 1981;65(1):81-4

Interaction of cholera toxin with rat intestinal brush border membranes. Relative roles of gangliosides and galactoproteins as toxin receptors. Critchley DR, et al. **J Biol Chem** 1981 Aug 25;256(16):8724-31

Recognition of nucleophile-treated alpha 2-macroglobulin by the alveolar macrophage alpha-macroglobulin . protease complex receptor. Kaplan J, et al. **J Biol Chem** 1981 Aug 10;256(15):7705-7

Effect of energy inhibitors on cell surface diphtheria toxin receptor numbers. Middlebrook JL. **J Biol Chem** 1981 Aug 10;256(15):7898-904

Diphtheria toxin:receptor interaction. Characterization of the receptor interaction with the nucleotide-free toxin, the nucleotide-bound toxin, and the B-fragment of the toxin. Proia RL, et al. **J Biol Chem** 1981 May 25;256(10):4991-7

High affinity binding of tetanus toxin to mammalian brain membranes. Rogers TB, et al. **J Biol Chem** 1981 Mar 10; 256(5):2402-7

Release of endogenous C3b inactivator from lymphocytes in response to triggering membrane receptors for beta 1H globulin. Lambris JD, et al. **J Exp Med** 1980 Dec 1; 152(6):1625-44

Attachment of Neisseria meningitidis to human mucosal surfaces: influence of pili and type of receptor cell. Stephens DS, et al. **J Infect Dis** 1981 Apr;143(4):525-32

Mechanism of action of cholera toxin: effect of receptor density and multivalent binding on activation of adenylate cyclase. Fishman PH, et al. **J Membr Biol** 1980;54(1):51-60

Mechanism of action of cholera toxin: studies on the lag period. Fishman PH. **J Membr Biol** 1980;54(1):61-72

Reaction of 5-iodonaphthyl-1-nitrene with the IgE receptor on normal and tumour mast cells. Holowka D, et al. **Nature** 1981 Feb 26;289(5800):806-8

Na+-channel-associated scorpion toxin receptor sites as probes for neuronal evolution in vivo and in vitro. Berwald-Netter Y, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):1245-9

PHYSIOLOGY

Cytoskeletal control of redistribution of surface membrane receptors in hairy cells. Naeim F. **Am J Clin Pathol** 1980 Nov;74(5):660-3

Functional studies on receptor complexes of B-lymphocytes involved in regulation of growth and maturation. Melchers F, et al. **Biochem Soc Symp** 1980;45:75-88 (41 ref.)

Analysis of the effect of amines on inhibition of receptor-mediated and fluid-phase pinocytosis in rabbit alveolar macrophages. Kaplan J, et al. **Cell** 1981 Jun; 24(3):925-32

Role of immunoglobulin E and immunoglobulin E receptors in bronchial asthma. Kulczycki A Jr. **J Allergy Clin Immunol** 1981 Jul;68(1):5-14

Cleavage of colicin Ia by the Escherichia coli K-12 outer membrane is not mediated by the colicin Ia receptor. Bowles LK, et al. **J Bacteriol** 1981 Jan;145(1):668-71

Immunofluorescence technique for detection of human cytomegalovirus (HCMV) antibodies against HCMV-induced late antigens with elimination of immunoglobulin G-receptor staining. Tardy-Panit M, et al. **J Clin Microbiol** 1980 Jun;11(6):717-9

Phagocytosis requires repeated triggering of macrophage phagocytic receptors during particle ingestion. Shaw DR, et al. **Nature** 1981 Jan 29;289(5796):409-11

C. psittaci 6 BC soluble hemagglutinin: factors influencing the red cell receptor sites. Neuman MR, et al. **Zentralbl Bakteriol [A]** 1981;249(2):282-6

[Cell surface receptors and their disorders] Bergström K, et al. **Lakartidningen** 1981;78(13):1309-18 (Eng. Abstr.) **(Swe)**

RECEPTORS, INSULIN

Insulin action. Czech MP. **Am J Med** 1981 Jan;70(1):142-50

A unique proteolytic cleavage site on the beta subunit of the insulin receptor. Massague J, et al. **J Biol Chem** 1981 Apr 10;256(7):3182-90

Cell-surface immunoglobulin and insulin receptor expression in an EBV-negative lymphoma cell line and its EBV-converted sublines. Spira G, et al. **J Immunol** 1981 Jan;126(1):122-6

Methodological basis for an autoradiographic demonstration of insulin receptor sites on the surface of whole cells: a study using light- and scanning electron microscopy. Junger E, et al. **J Microsc** 1980 Jul;119(2):199-211

Insulin receptors: differences in structural organization on adipocyte and liver plasma membranes. Jarett L, et al. **Science** 1980 Dec 5;210(4474):1127-8

ANALYSIS

Dynamics of hormone receptors on cell membrane. Schlessinger J. **Ann NY Acad Sci** 1981;366:274-84

Binding sites of fluorescent derivatives of insulin in nuclei, rough endoplasmic reticulum, and mitochondria. Lolait SJ, et al. **Cell Tissue Res** 1980;210(1):145-53

The absence of cryptic insulin receptors on resting lymphocytes. Gozes Y, et al. **Diabetes** 1981 Apr;30(4):314-6

Evaluation of the method of insulin binding studies in human erythrocytes. Kobayashi M, et al. **Endocrinol Jpn** 1980 Jun; 27(3):337-42

Rapid mixed lymphocyte culture testing by analysis of the insulin receptor on alloactivated T lymphocytes: implications for human tissue typing. Helderman JH, et al. **J Clin Invest** 1981 Feb;67(2):509-13

Biguanide treatment increases the number of insulin-receptor sites on human erythrocytes. Holle A, et al. **N Engl J Med** 1981 Sep 3;305(10):563-6

Plasma membrane insulin receptors in fetal rabbit lung. Neufeld ND, et al. **Pediatr Res** 1981 Jul;15(7):1058-62

Electrophoretic resolution of three major insulin receptor structures with unique subunit stoichiometries. Massague J, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7137-41

[Biochemistry of insulin receptor (author's transl)] Oka Y. **Horumon To Rinsho** 1981 Jan;29(1):23-8 (31 ref.) **(Jpn)**

[Insulin secretion, insulin receptor and fat mobilization in children with obesity (author's transl)] Watanabe N, et al. **Horumon To Rinsho** 1981 Feb;29(2):181-4 **(Jpn)**

[Insulin receptor assay (author's transl)] Ozaki S. **Rinsho Byori** 1980 Oct;28(10):1006-12 **(Jpn)**

[Properties and organization of peripheral tissue insulin receptors] Bezbrobnyĭ IuV. **Usp Sovrem Biol** 1980 Jul-Aug; 90(1):80-96 **(Rus)**

[The insulin receptor system] Koppel J, et al. **Cesk Fysiol** 1981 May;30(3):193-217 (127 ref.) **(Slo)**

DRUG EFFECTS

Negative cooperativity induced by desoctapeptide insulin unmasked by phospholipase C treatment. Clark S, et al. **Biochem Biophys Res Commun** 1980 Aug 29;95(4):1543-9

Effect of trypsin treatment of rat adipocytes on biological effects and binding of insulin and insulin-like growth factors: further evidence for the action of insulin-like growth factors through the insulin receptor. Zapf J, et al. **Eur J Biochem** 1981 Jan;113(3):605-9

Trypsin-induced alterations of insulin binding, microfilament organization and cell shape in fibroblastic cultures from non-diabetic and diabetic mice. Raizada MK, et al. **Exp Cell Res** 1981 Jun;133(2):261-71

Effects of neuraminidase treatment on solubilized insulin receptor. Kasuga M, et al. **Horm Metab Res** 1980 Oct; 12(10):494-6

Demonstration by radiation inactivation that insulin alters the structure of the insulin receptor in rat liver membranes. Harmon JT, et al. **J Biol Chem** 1981 Aug 10; 256(15):7719-22

Effect of dexamethasone and cortisone on insulin receptors in normal human male. de Pirro R, et al. **J Clin Endocrinol Metab** 1980 Sep;51(3):503-7

Changes in insulin receptors during oral contraception. De Pirro R, et al. **J Clin Endocrinol Metab** 1981 Jan;52(1):29-33

The effect of glucocorticoids on the insulin receptor: an in vivo and in vitro study. Fantus IG, et al. **J Clin Endocrinol Metab** 1981 May;52(5):953-60

Effects of insulin incubation on insulin binding, glucose transport, and insulin degradation by isolated rat adipocytes. Evidence for hormone-induced desensitization at the receptor and postreceptor level. Marshall S, et al. **J Clin Invest** 1980 Oct;66(4):763-72

Computer assisted analysis of ferritin-insulin receptor sites on adipocytes and the effects of cytochalasin B on groups of insulin receptor sites. Gershon ND, et al. **J Membr Biol** 1981 Feb 15;58(2):155-60

[Metformin and insulin receptors] Lavieuville M. **Journ Annu Diabetol Hotel Dieu** 1981;:309-11 **(Fre)**

GENETICS

Genetics of cell surface receptors for bioactive polypeptides: variants of Swiss/3T3 fibroblasts resistant to a cytotoxic chimeric insulin. Miskimins WK, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):445-9

Genetics of cell-surface receptors for bioactive polypeptides: a variant of mouse BALBc/3T3 fibroblasts possessing altered insulin-binding ability. Shimizu Y, et al. **Somatic Cell Genet** 1980 Sep;6(5):583-601

IMMUNOLOGY

Comparison of ligand-specific rat allosensitized lymphocyte insulin receptors as assessed in binding and functional (lymphocyte-mediated cytotoxicity) assays. Strom TB, et al. **Cell Immunol** 1980 Aug 1;53(2):382-8

Autoantibodies against the insulin receptor recognize the insulin binding subunits of an oligomeric receptor. Kasuga M, et al. **Diabetes** 1981 Apr;30(4):354-7

Anti-insulin receptor antibodies mimic the effects of insulin on the activities of pyruvate dehydrogenase and acetylCoA carboxylase and on specific protein phosphorylation in rat epididymal fat cells. Belsham GJ, et al. **Diabetologia** 1980 Apr;18(4):307-12

Antibody-induced desensitization of the insulin receptor. Studies of the mechanism of desensitization in 3T3-L1 fatty fibroblasts. Grunfeld C, et al. **J Clin Invest** 1980 Nov; 66(5):1124-34

Diabetes mellitus caused by insulin-receptor blockade and impaired sensitivity to insulin. Pedersen O, et al. **N Engl J Med** 1981 Apr 30;304(18):1085-8

B-cell alloantigen matching by the lymphocyte insulin receptor assay. Helderman JH, et al. **Transplant Proc** 1981 Mar;13(1 Pt 2):1042-3

[Diabetes caused by anti-insulin receptor antibody: characterization of insulin receptor antibody (author's transl)] Kasuga M. **Nippon Naika Gakkai Zasshi** 1980 Dec; 69(12):1563-6 **(Jpn)**

[Clinical findings of diabetes mellitus caused by anti-insulin receptor autoantibodies (author's transl)] Kawanishi K. **Nippon Naika Gakkai Zasshi** 1980 Dec;69(12):1557-62 **(Jpn)**

ISOLATION & PURIFICATION

Chromatographic resolution of insulin receptor from insulin-sensitive D-glucose transporter of adipocyte plasma membranes. Carter-Su C, et al. **Biochemistry** 1981 Jan 6; 20(1):216-21

Studies on the insulin mediator. II. Separation of two antagonistic biologically active materials from fraction II. Cheng K, et al. **Diabetes** 1980 Aug;29(8):659-61

Isolation from rat adipocytes of a chemical mediator for insulin activation of pyruvate dehydrogenase. Kiechle FL, et al. **Diabetes** 1980 Oct;29(10):852-5

Partial purification of the solubilized insulin receptor from rat liver membranes by precipitation with concanavalin A. Koch R, et al. **Hoppe Seylers Z Physiol Chem** 1981 Mar; 362(3):347-51

Purification of the insulin receptor from human placenta by chromatography on immobilized wheat germ lectin and receptor antibody. Harrison LC, et al. **J Biol Chem** 1980 Dec 25;255(24):12066-72

Isolation of adipocyte plasma membrane antigens by immunoaffinity chromatography. Insulinomimetic antibodies do not bind directly to the insulin receptor or the glucose transport system. Pillion DJ, et al. **J Biol Chem** 1980 Oct 10;255(19):9168-76

Purification and properties of the human placental insulin receptor. Siegel TW, et al. **J Biol Chem** 1981 Sep 10; 256(17):9266-73

METABOLISM

Effects of exercise on insulin receptors on erythrocytes and monocytes from insulin dependent diabetics. Pedersen O, et al. **Acta Paediatr Scand [Suppl]** 1980;283:79-80

Expression of insulin receptors during preadipocyte differentiation. Reed BC, et al. **Adv Enzyme Regul** 1980; 18:97-117 (42 ref.)

Mechanisms of insulin resistance in man. Assessment using the insulin dose-response curve in conjunction with insulin-receptor binding. Rizza RA, et al. **Am J Med** 1981 Jan;70(1):169-76

Insulin binding and sensitivity in rat skeletal muscle: effect of starvation. Brady LJ, et al. **Am J Physiol** 1981 Feb; 240(2):E184-90

Evidence for modulation of insulin action and degradation independently of insulin binding. Caro JF, et al. **Am J Physiol** 1981 Mar;240(3):E325-32

Insulin action in pancreatic acini from streptozotocin-treated rats. III. Electron microscope autoradiography of 125I-insulin. Goldfine ID, et al. **Am J Physiol** 1981 Jan; 240(1):G69-75

Insulin action in pancreatic acini from streptozotocin-treated rats. II. Binding of 125I-insulin to receptors. Sankaran H, et al. **Am J Physiol** 1981 Jan;240(1):G63-8

Structural features of the insulin effector system: relation to hexose transport activation. Czech MP, et al. **Ann NY Acad Sci** 1980;358:282-91

Insulin binding to erythroblastic leukemic cells is decreased by insulin and increased by amino acids. Galbraith RA, et al. **Biochem Biophys Res Commun** 1980 Oct 16; 96(3):1434-40

Evidence that insulin and concanavalin-A can co-bind to solubilized insulin receptors without inhibiting each other. Katzen HM, et al. **Biochem Biophys Res Commun** 1981 Jan 30;98(2):410-6

Characterization of insulin receptor subunits in brain and other tissues by photoaffinity labeling. Yip CC, et al. **Biochem Biophys Res Commun** 1980 Oct 31;96(4):1671-8

Insulin action and binding in isolated hepatocytes from fasted, streptozotocin-diabetic, and older, spontaneously obese rats. Cech JM, et al. **Biochem J** 1980 Jun 15;188(3):839-45

Insulin receptor defect in diabetic man with chronic renal failure: a comparison of erythrocyte insulin binding in diabetic and nondiabetic patients on maintenance hemodialysis. Gambhir KK, et al. **Biochem Med** 1981 Feb; 25(1):62-73

The effects of colchicine on insulin binding to isolated rat hepatocytes. Whittaker J, et al. **Biochem Soc Trans** 1981 Feb;9(1):88-9

Divergence of the in vitro biological activity and receptor binding affinity of a synthetic insulin analogue, [21-asparaginamide-A]insulin. Burke GT, et al. **Biochemistry** 1980 Sep 30;19(20):4547-56

Binding of insulin receptors to lectins: evidence for common carbohydrate determinants on several membrane receptors. Hedo JA, et al. **Biochemistry** 1981 Jun 9;20(12):3385-93

Characteristics of insulin receptors in the heart muscle: binding of insulin to isolated muscle cells from adult rat heart. Eckel J, et al. **Biochim Biophys Acta** 1980 May 22; 629(3):510-21

Transfer of insulin receptors and of glucose transport-inducing proteins onto phospholipid vesicles. Solomon B, et al. **Biochim Biophys Acta** 1980 Aug 14; 600(3):931-8

Insulin receptors in human mononuclear leucocytes. I. Binding and degradation of insulin in normal subjects. Bellomo G, et al. **Boll Soc Ital Biol Sper** 1979 Apr 15; 55(7):654-60

Insulin receptors in human mononuclear leucocytes. II. Binding and degradation of insulin in obese subjects. Bellomo G, et al. **Boll Soc Ital Biol Sper** 1979 Apr 15; 55(7):661-7

Binding of [125I]insulin to specific receptors and stimulation of nucleotide incorporation in cells cultured from rat brain. Raizada MK, et al. **Brain Res** 1980 Nov 3;200(2):389-400

Effect of pH and buffers on insulin binding to normal and neoplastic mammary cells, fat cells and membrane preparations. Shafie SM, et al. **Cancer Biochem Biophys** 1979;4(2):51-7

Insulin receptor levels and magnitude of insulin-induced responses in 7,12-dimethylbenz(a)anthracene-induced mammary tumors in rats. Shafie SM, et al. **Cancer Res** 1981 Mar;41(3):826-9

Insulin receptors on erythrocytes and reticulocytes [letter] Ivarsson SA, et al. **Clin Chem** 1981 Feb;27(2):347-8

The relationship of erythrocyte insulin receptors to red cell age and to monocyte insulin receptors. Ward GM, et al. **Clin Endocrinol (Oxf)** 1981 Mar;14(3):269-78

Differential binding of insulin to human arterial and venous endothelial cells in primary culture. Bar RS, et al. **Diabetes** 1980 Dec;29(12):991-5

Retraction. Direct evidence for downregulation of insulin receptors by physiologic hyperinsulinemia in man [letter] Defronzo R. **Diabetes** 1980 Aug;29(8):672

Retraction. Direct evidence for downregulation of insulin receptors by physiologic hyperinsulinemia in man [letter] Felig P. **Diabetes** 1980 Aug;29(8):672

A direct in vitro demonstration of insulin binding to isolated brain microvessels. Frank HJ, et al. **Diabetes** 1981 Sep; 30(9):757-61

Effect of the membrane lipid environment on the properties of insulin receptors. Ginsberg BH, et al. **Diabetes** 1981 Sep; 30(9):773-80

Effect of pH and 3-hydroxybutyrate on insulin binding and action in cultured human fibroblasts. Hidaka H, et al. **Diabetes** 1981 May;30(5):402-6

Tyrosine A14[125I]monoiodoinsulin: Preparation, Biologic Properties, and long-term stability. Linde S, et al. **Diabetes** 1981 Jan;30(1):1-8

Characterization of insulin-induced receptor loss and evidence for internalization of the insulin receptor. Marshall S, et al. **Diabetes** 1981 Sep;30(9):746-53

Multiple redox forms of the insulin receptor in native liver membranes. Massaqué J, et al. **Diabetes** 1980 Nov; 29(11):945-7

Binding and degradation of semisynthetic tritiated insulin by IM-9 cultured human lymphocytes. Misbin RI, et al. **Diabetes** 1980 Sep;29(9):730-5

Tissue differences in insulin receptors: acute changes in insulin binding characteristics induced by wheat germ agglutinin. Pottick LA, et al. **Diabetes** 1981 Mar; 30(3):196-202

Insulin binding, internalization, and insulin receptor regulation in fibroblasts from type II, non-insulin-dependent diabetic subjects. Prince MJ, et al. **Diabetes** 1981 Jul;30(7):596-600

Disappearance of erythrocyte insulin receptors during maturation in sheep. Sinha MK, et al. **Diabetes** 1981 May; 30(5):411-5

Insulin receptors and protein synthesis in bone marrow cells and reticulocytes. Thomopoulos P, et al. **Diabetes** 1980 Oct; 29(10):820-4

Binding of biosynthetic human insulin to erythrocytes of normal and insulin-dependent diabetic subjects: comparison with pork and human pancreatic insulin. Bachmann W, et al. **Diabetes Care** 1981 Mar-Apr;4(2):215-9

Internalization of 125I-insulin by IM-9 cultured human lymphocytes: a comparison between A14-monoiodo-pork and biosynthetic human insulin. Carpentier JL, et al. **Diabetes Care** 1981 Mar-Apr;4(2):220-2

Receptor depletion in diabetes mellitus: correction with therapy. Eaton RP, et al. **Diabetes Care** 1981 Mar-Apr; 4(2):299-304

Biologic activity and receptor binding properties of biosynthetic human insulin in isolated rat hepatocytes and mouse soleus muscle in vitro. Fehlmann M, et al. **Diabetes Care** 1981 Mar-Apr;4(2):223-7

Receptor binding of biosynthetic human insulin on isolated pig hepatocytes. Gammeltoft S. **Diabetes Care** 1981 Mar-Apr;4(2):235-7

Receptor binding properties and biologic activity in vitro of biosynthetic human insulin. Keefer LM, et al. **Diabetes Care** 1981 Mar-Apr;4(2):209-14

Insulin binding, biologic activity, and metabolism of biosynthetic human insulin. Olefsky JM. **Diabetes Care** 1981 Mar-Apr;4(2):244-7

Binding of biosynthetic human insulin to human antibodies and receptors. Petersen KG, et al. **Diabetes Care** 1981 Mar-Apr;4(2):248-9

The biologic potency and binding affinity of biosynthetic human insulin in isolated rat adipocytes. Sonne O, et al. **Diabetes Care** 1981 Mar-Apr;4(2):250-1

Binding of insulin to rat pancreatic islets: comparison between pancreatic human insulin and biosynthetic human insulin. Verspohl EJ, et al. **Diabetes Care** 1981 Mar-Apr; 4(2):252-3

Receptor binding and effect of biosynthetic human insulin on 2-deoxyglucose transport. Wieringa T, et al. **Diabetes Care** 1981 Mar-Apr;4(2):254-6

Effects of prednisolone and dexamethasone in vivo and in vitro: studies of insulin binding, deoxyglucose uptake and glucose oxidation in rat adipocytes. De Pirro R, et al. **Diabetologia** 1981 Aug;21(2):149-53

Insulin antibodies prevent insulin-receptor interactions. de Pirro R, et al. **Diabetologia** 1980 Aug;19(2):118-22

Insulin binding and hexose transport in rat adipocytes. Relation to cell size. Foley JE, et al. **Diabetologia** 1980 Sep;19(3):234-41

Evidence for the presence of insulin binding sites in isolated rat intestinal epithelial cells. Forgue-Lafitte ME, et al. **Diabetologia** 1980 Oct;19(4):373-8

Internalization of polypeptide hormones: mechanism, intracellular localization and significance. Gorden P, et al. **Diabetologia** 1980 Apr;18(4):263-74 (89 ref.)

Insulin binding and insulin action in rat fat cells after adrenalectomy. Häring H, et al. **Diabetologia** 1980 Oct; 19(4):379-85

Insulin and insulin receptors in rodent brain. Havrankova J, et al. **Diabetologia** 1981 Mar;20 Suppl:268-73 (25 ref.)

Insulin receptor binding and receptor-mediated insulin degradation in human adipocytes. Pedersen O, et al. **Diabetologia** 1981 Jun;20(6):636-41

Rapid regulation of plasma membrane insulin receptors. Pezzino V, et al. **Diabetologia** 1980 Sep;19(3):211-5

Hepatic insulin and glucagon receptors in pregnancy: their role in the enhanced catabolism during fasting. Baumann G, et al. **Endocrinology** 1981 May;108(5):1979-86

Radioautographic visualization of in vivo insulin binding to the exocrine pancreas. Bergeron JJ, et al. **Endocrinology** 1980 Oct;107(4):1069-80

Effect of down-regulation of insulin receptors on receptor-antibody binding. Blackard WG, et al. **Endocrinology** 1981 Feb;108(2):478-83

Insulin and glucagon receptors of isolated rat hepatocytes: comparison between hormone binding and amino acid transport stimulation. Fehlmann M, et al. **Endocrinology** 1981 Jul;109(1):253-61

Insulin receptor down-regulation, prevention at a post-receptor site. Filetti S, et al. **Endocrinology** 1981 Jun; 108(6):2409-11

Electron microscope autoradiographic analysis of [125I]iodoinsulin entry into adult rat hepatocytes in vivo: evidence for multiple sites of hormone localization. Goldfine ID, et al. **Endocrinology** 1981 May;108(5):1821-8

Insulin action in cultured HTC and H35 rat hepatoma cells: receptor binding and hormone sensitivity. Iwamoto Y, et al. **Endocrinology** 1981 Jan;108(1):44-51

Ontogeny of erythrocyte insulin binding in the sheep. Kappy MS, et al. **Endocrinology** 1981 Aug;109(2):611-7

Insulin receptor function and insulin effects on glucose metabolism in adipocytes from ventromedial hypothalamus-lesioned rats. Kasuga M, et al. **Endocrinology** 1980 Nov;107(5):1549-55

Regenerating rat liver: insulin and glucagon serum levels and receptor binding. Pezzino V, et al. **Endocrinology** 1981 Jun; 108(6):2163-9

Cells cultured from the diabetic (DB/DB) mouse have a permanent decrease in insulin receptors. Raizada MK, et al. **Endocrinology** 1980 Nov;107(5):1652-5

Receptors for insulin-like peptides (ILAs) in rat reticulocytes and erythrocytes. Thomopoulos P, et al. **Endocrinology** 1981 Mar;108(3):1087-90

Specific binding and internalization of blood-borne [125I]-iodoinsulin by neurons of the rat area postrema. van Houten M, et al. **Endocrinology** 1981 Sep;109(3):853-9

Binding properties of the insulin receptor of human placenta under different conditions of incubation. Spallone L, et al. **Endokrinologie** 1981 Apr;77(2):226-32

Insulin receptors in human monocytes. Silberring J, et al. **Endokrynol Pol** 1980 May-Jun;31(3):209-16

Insulin receptors in acute and chronic lymphoid leukaemias. Thomopoulos P, et al. **Eur J Clin Invest** 1980 Oct; 10(5):387-92

Binding, membrane redistribution, internalization and lysosomal association of [125I]anti-insulin receptor antibody in IM-9-cultured human lymphocyte. A comparison with [125I]insulin. Carpentier JL, et al. **Exp Cell Res** 1981 Jul;134(1):81-92

Correlation of receptors for growth factors on mouse embryonal carcinoma cells with growth in serum-free, hormone-supplemented medium. Salomon DS. **Exp Cell Res** 1980 Aug;128(2):311-21

Control of muscle insulin receptors by the motor nerve.

Hofmann WW, et al. **Experientia** 1981 Mar 15;37(3):286–7

The interaction of B29–fluoresceinthiocarbamyl–insulin with adipocyte membranes. Bailey IA, et al. **FEBS Lett** 1980 Dec 1;121(2):246–8

Enhanced specific insulin binding and insulin action with C–terminal B–chain pentapeptide derived from insulin. Kikuchi K, et al. **FEBS Lett** 1980 Sep 22;119(1):161–4

Adaptation to increasing loads of total parenteral nutrition: metabolic, endocrine, and insulin receptor responses. Byrne WJ, et al. **Gastroenterology** 1981 May;80(5 pt 1):947–56

Preliminary study on mononuclear cells insulin receptor in porcine blood. Dalimunthe D, et al. **Hiroshima J Med Sci** 1980 Jun;29(2):35–9

A clinical study on insulin receptors of mononuclear cells in diabetes. Dalimunthe D. **Hiroshima J Med Sci** 1980 Dec; 29(4):203–18

Acute changes in human erythrocyte insulin receptors. Bhathena SJ, et al. **Horm Metab Res** 1981 Mar;13(3):179–80

Decreased erythrocyte insulin receptor binding in diabetic man with chronic renal failure. Gambhir KK, et al. **Horm Metab Res** 1980 Aug;12(8):414–5

Insulin binding and glucose transport. Hilf R, et al. **Int Rev Cytol** 1981;72:147–202 (376 ref.)

Receptor mediated insulin degradation decreased by chloroquine in isolated rat adipocytes. Kobayashi M, et al. **J Biochem (Tokyo)** 1980 Jul;88(1):39–44

[(125I]Iodotyrosyl B1]insulin. Semisynthesis, receptor binding, and cell–mediated degradation of a B chain–labeled insulin. Assoian RK, et al. **J Biol Chem** 1981 Apr 25;256(8):4042–9

Functional relationships between insulin binding, action, and degradation. A reassessment. Caro JF, et al. **J Biol Chem** 1980 Nov 10;255(21):10052–5

Formation of a receptor state from which insulin dissociates slowly in hepatic cells and plasma membranes. Donner DB, et al. **J Biol Chem** 1980 Oct 10;255(19):9005–8

The insulin receptor is an age–dependent integral component of the human erythrocyte membrane. Dons RF, et al. **J Biol Chem** 1981 Mar 25;256(6):2982–7

Insulin–induced loss of the insulin receptor in IM–9 lymphocytes. A biological process mediated through the insulin receptor. Kosmakos FC, et al. **J Biol Chem** 1980 Oct 25;255(20):9860–9

On the mechanism of ligand–induced down–regulation of insulin receptor level in the liver cell. Krupp M, et al. **J Biol Chem** 1981 Feb 25;256(4):1689–94

Regeneration of the liver after carbon tetrachloride. Differences in adenylate cyclase and pancreatic hormone receptors. Mourelle M, et al. **J Biol Chem** 1981 Feb 25; 256(4):1656–60

Unimpaired signal transduction by the adipocyte insulin receptor following its partial proteolytic fragmentation. Pilch PF, et al. **J Biol Chem** 1981 Feb 25;256(4):1570–5

Fibroblastic cultures from the diabetic db/db mouse. Demonstration of decreased insulin receptors and impaired responses to insulin. Raizada MK, et al. **J Biol Chem** 1980 Oct 10;255(19):9149–55

Regulation of insulin receptor metabolism. Differentiation–induced alteration of receptor synthesis and degradation. Reed BC, et al. **J Biol Chem** 1981 Apr 25; 256(8):3917–25

Post–translational glycosylation–induced activation of aglycoinsulin receptor accumulated during tunicamycin treatment. Ronnett GV, et al. **J Biol Chem** 1981 May 25; 256(10):4704–7

The binding of 125I–insulin to specific receptors in IM–9 human lymphocytes. Detection of radioactivity covalently linked to receptors. Saviolakis GA, et al. **J Biol Chem** 1981 May 25;256(10):4924–8

Cell–cycle analysis of insulin binding and internalization on mouse melanoma cells. Shimizu N, et al. **J Cell Biol** 1981 Jan;88(1):241–4

Decreased insulin binding to erythrocytes in subjects with Klinefelter's syndrome. Breyer D, et al. **J Clin Endocrinol Metab** 1981 Sep;53(3):654–5

Insulin receptors on monocytes and erythrocytes from obese patients. De Pirro R, et al. **J Clin Endocrinol Metab** 1980 Dec;51(6):1437–9

Insulin and beta–adrenergic agonist binding to monocytes: reevaluation of published data. Felig P, et al. **J Clin Endocrinol Metab** 1980 Nov;51(5):1201

Characterization of the human insulin receptor solubilized from cultured fibroblast and erythrocyte cell membrane preparations. Hara H, et al. **J Clin Endocrinol Metab** 1981 Jan;52(1):17–22

Insulin binding to erythrocytes of normal infants, children, and adults: variation with age and sex. Hendricks SA, et al. **J Clin Endocrinol Metab** 1981 May;52(5):969–74

Erythrocyte insulin binding in obese children and adolescents. Kappy MS, et al. **J Clin Endocrinol Metab** 1980 Dec;51(6):1440–6

Carbohydrate tolerance and insulin receptor binding in children with hypopituitarism: response after acute and chronic human growth hormone administration. Lippe BM, et al. **J Clin Endocrinol Metab** 1981 Sep;53(3):507–13

Monocyte insulin receptors in infants of strictly controlled diabetic mothers. Neufeld ND, et al. **J Clin Endocrinol Metab** 1981 Mar;52(3):473–6

Fluorescein–isothiocyanated insulin interactions with human platelets. Shimoyama R. **J Clin Endocrinol Metab** 1981 Sep; 53(3):502–6

Insulin receptors in circulating erythrocytes and monocytes from women on oral contraceptives or pregnant women near term. Tsibris JC, et al. **J Clin Endocrinol Metab** 1980 Oct;51(4):711–7

Heterogeneity of the insulin–receptor interaction in lipoatropic diabetes. Wachslicht–Rodbard H, et al. **J Clin Endocrinol Metab** 1981 Mar;52(3):416–25

Disulfide reduction converts the insulin receptor of human placenta to a low affinity form. Jacobs S, et al. **J Clin Invest** 1980 Dec;66(6):1424–7

Mechanisms of insulin resistance in human obesity: evidence for receptor and postreceptor defects. Kolterman OG, et al. **J Clin Invest** 1980 Jun;65(6):1272–84

Increased clearance and degradation of [3H]insulin in streptozotocin diabetic rats. Philippe J, et al. **J Clin Invest** 1981 Mar;67(3):673–80

Independent down–regulation of insulin and calcitonin receptors on a human tumour cell line. Findlay DM, et al. **J Endocrinol** 1981 Feb;88(2):271–81

Constancy of pharmacokinetic properties of the lymphocyte insulin receptor during aging. Helderman JH. **J Gerontol** 1980 May;35(3):329–34

Dietary regulation of insulin receptors in obesity. Misbin RI. **J Nutr** 1981 Mar;111(3):475–9

Photoaffinity labeling of the insulin receptor in H4 hepatoma cells: lack of cellular receptor processing. Hofmann C, et al. **J Supramol Struct** 1981;15(1):1–13

The insulin receptor in insulin–dependent diabetes mellitus: an in vivo and in vitro study. Fantus IG, et al. **Metabolism** 1981 May;30(5):510–7

Insulin degradation by insulin target cells. Goldstein BJ, et al. **Metabolism** 1981 Aug;30(8):825–35 (162 ref.)

Cell culture studies of a patient with congenital lipoatrophic diabetes––normal insulin binding with alterations in intracellular glucose metabolism and insulin action. Howard BV, et al. **Metabolism** 1981 Sep;30(9):845–52

Insulin resistance in the aged: the role of the peripheral insulin receptors. Pagano G, et al. **Metabolism** 1981 Jan;30(1):46–9

Carbohydrate intake affects insulin binding to human erythrocytes in normal weight subjects but not in subjects with family obesity. Rizkalla SW, et al. **Metabolism** 1981 Sep;30(9):900–7

Regulation of adipocyte insulin receptor number and metabolism during late–pregnancy. Flint DJ, et al. **Mol Cell Endocrinol** 1980 Nov;20(2):101–11

Negative cooperativity at the insulin receptor [news] **Nature** 1981 Feb 5;289(5797):442–3

Insulin and antibodies against insulin receptor cap on the membrane of cultured human lymphocytes. Schlessinger J, et al. **Nature** 1980 Aug 14;286(5774):729–31

Erythrocyte insulin receptors in chronic renal failure. Gambhir KK, et al. **Nephron** 1981;28(1):4–10

Interaction of insulin with muscle receptors: specific binding of [125I]insulin by the plasma membrane of the rat skeletal muscle. Leibush BN, et al. **Neurosci Behav Physiol** 1980 Nov–Dec;10(6):496–9

Regulation of insulin receptors: evidence for involvement of an endocytotic internalization pathway. Baldwin D Jr, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):5975–8

REgulation of insulin binding to isolated hepatocytes: correction for bound hormone fragments linearizes Scatchard plots. Donner DB. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3176–80

Human insulin prepared by recombinant DNA techniques and native human insulin interact identically with insulin receptors. Keefer LM, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1391–5

Abnormal regulation of monocyte insulin–binding affinity after glucose ingestion in patients with myotonic dystrophy. Moxley RT 3d, et al. **Proc Natl Acad Sci USA** 1981 Apr; 78(4):2567–71

Role of glycosylation and protein synthesis in insulin receptor metabolism by 3T3–L1 mouse adipocytes. Reed BC, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):2908–12

Differences in organizational structure of insulin receptor on rat adipocyte and liver plasma membranes: role of disulfide bonds. Schweitzer JB, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4692–6

Biosynthetic labeling of insulin receptor: studies of subunits in cultured human IM–9 lymphocytes. Van Obberghen E, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):1052–6

Insulin receptors in hepatocytes: postreceptor events mediate down regulation. Caro JF, et al. **Science** 1980 Nov 28; 210(4473):1029–31

Hormone binding alters the conformation of the insulin receptor. Pilch PF, et al. **Science** 1980 Dec 5; 210(4474):1152–3

Decreased insulin binding of mononuclear leukocytes in diabetic patients with hyperlipidemia. Hiramatsu K, et al. **Tokai J Exp Clin Med** 1980 Apr;5(2):137–45

[Insulin receptors. A new understanding of the physiopathological mechanisms in the development of insulin resistance in overweight persons] Beck–Nielsen H, et al. **Ugeskr Laeger** 1981 Jan 19;143(4):185–9 (Eng. Abstr.) **(Dan)**

[Studies on insulin resistance and insulin receptor binding to erythrocytes in childhood obesity and diabetes mellitus (author's transl)] Asayama K, et al. **Horumon To Rinsho** 1981 Feb;29(2):185–90 **(Jpn)**

[Insulin–receptor interaction of plasma membranes of liver cells and isolated adipocytes of the rat with different insulin content in the blood] Liubarskaia SG, et al. **Biokhimiia** 1980 Aug;45(8):1517–23 (Eng. Abstr.) **(Rus)**

[Role of ATP in specific binding of 125I–insulin to cytoplasmic receptors of the liver and muscle membranes of controls and diabetic rats] Morenkova SA, et al. **Biull Eksp Biol Med** 1980 Nov;90(11):557–9 (Eng. Abstr.) **(Rus)**

[Insulin receptors and their research significance in the diagnosis of carbohydrate metabolic disorders (a review of the literature)] Balabolkin MI, et al. **Lab Delo** 1980; (7):404–9 (58 ref.) **(Rus)**

[Insulin–receptor interaction on liver cell membranes and isolated adipocytes of rats in experimental obesity] Liubarskaia SG, et al. **Probl Endokrinol (Mosk)** 1981 Jan–Feb;27(1):66–71 (Eng. Abstr.) **(Rus)**

[Insulin effect on myocardium] Rinaldi GJ, et al. **Medicina (B Aires)** 1980 May–Jun;40(3):295–301 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Regulation of the number of insulin receptors in human fat cells. Smith U. **Acta Endocrinol [Suppl] (Copenh)** 1980 Sep 12;239:19–22

Role of insulin receptors in insulin resistance. Gliemann J, et al. **Ann Clin Res** 1980 Oct;12(5):264–8 (40 ref.)

Co–capping of insulin, epidermal growth factor and concanavalin A surface receptors with each other and with cytoplasmic actin. Prime SS, et al. **Cytobios** 1980; 28(111–112):151–60

Insulin receptors in man. The monocyte as model for insulin receptor studies. Beck–Nielsen H. **Dan Med Bull** 1980 Sep; 27(4):173–85 (110 ref.)

Insulin binding to its receptor: is the receptor more important than the hormone? Roth J. **Diabetes Care** 1981 Jan–Feb; 4(1):27–32

Insulin stimulation of amino acid transport in primary cultured rat hepatocytes varies in direct proportion to insulin binding. Dolais–Kitabgi J, et al. **FEBS Lett** 1981 Jun 15;128(2):321–4

Receptors for cholecystokinin and insulin in isolated pancreatic acini: hormonal control of secretion and metabolism. Williams JA, et al. **Fed Proc** 1981 Aug; 40(10):2497–502 (30 ref.)

Virus–induced decrease of insulin receptors in cultured human cells. Shimizu F, et al. **J Clin Invest** 1980 Nov; 66(5):1144–51

Autoantibodies to insulin receptors. Van Obberghen E, et al. **Mol Cell Endocrinol** 1981 Jun;22(3):277–93 (58 ref.)

Insulin and insulin receptors in the brain. **Nutr Rev** 1980 Apr; 38(4):157–9

The insulin receptor. Kaplan SA. **Pediatr Res** 1981 Aug; 15(8):1156–62 (12 ref.)

Insulin receptors in human placenta in relation to fetal weight and gestational age. Potau N, et al. **Pediatr Res** 1981 May; 15(5):798–802

[Insulin resistance in spontaneous obesity. Role of insulin receptors] Pagano G, et al. **Minerva Dietol Gastroenterol** 1979 Jul–Sep;25(3):265–74 (Eng. Abstr.) **(Ita)**

RECEPTORS, MITOGEN

The distribution of Helix pomatia lectin receptors on mouse lymphoid cells and other tissues. Mattes MJ, et al. **Eur J Immunol** 1981;11(5):358–65

Lectin receptors on rod and cone membranes. Bridges CD, et al. **Photochem Photobiol** 1980 Oct;32(4):481–6

ANALYSIS

Electron microscopic visualization by the unlabelled lectin/antiferritin–antibody/ferritin method of lectin receptors on cell surfaces. Bergmann P, et al. **Acta Histochem [Suppl] (Jena)** 1980;22:131–4

Lectin receptors on human blood and bone marrow cells and their use in cell separation. Nicola NA, et al. **Blood Cells** 1980;6(4):563–79

Visualisation of lectin binding sites on the surface of human platelets using lectins adsorbed to gold granules. Nurden AT, et al. **Experientia** 1980 Oct 15;36(10):1215–7

Expression of binding sites for peanut agglutinin during murine B lymphocyte differentiation. Newman RA, et al. **Immunology** 1980 Jun;40(2):193–200

Lectin receptors of rods and cones. Visualization by fluorescent label. Bridges CD. **Invest Ophthalmol Vis Sci** 1981 Jan;20(1):8–16

Lectin labeling of sprouting neurons. I. Regional distribution of surface glycoconjugates. Pfenninger KH, et al. **J Cell Biol** 1981 Jun;89(3):536–46

Lectin binding sites in the choroid plexus and choroid plexus papillomas. Müller W, et al. **Neurosurg Rev** 1980;3(1):57–65

The significance of lectin receptors in the kidney and in hypernephroma (renal adenocarcinoma). Vierbuchen M, et al. **Recent Results Cancer Res** 1980;75:68–75

[Indirect electron–dense labelling by means of complexes or metallocens of lectins and lectin receptors (author's transl)] Pfüller U, et al. **Acta Histochem [Suppl] (Jena)** 1980; 22:127–30 (Eng. Abstr.) **(Ger)**

[Surface lectin receptors in the trypomastigote stage of Trypanosoma cruzi] Katzin AM, et al. **Medicina (B Aires)** 1980;40 Suppl 1:85–90 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Dimethyl sulfoxide inhibits capping of surface receptors. Filosa MF, et al. **Cell Biol Int Rep** 1981 Jun;5(6):575–9

Genetic control of lipopolysaccharide-induced mobilization of CFUs. Dissociation between early and delayed mobilization of CFUs in complement C5-deficient mice and LPS non-responder mice. Benner R, et al. **Cell Tissue Kinet** 1981 Mar;14(2):143–51

GENETICS

Functional nuclei of LPS-nonresponder C3H/HeJ mice after transfer into LPS-responder C3H/HeN cells by cell fusion. Watanabe T, et al. **Nature** 1981 Mar 5;290(5801):58–9

IMMUNOLOGY

Comparison of concanavalin A-reactive determinants on hemocytes of two Biomphalaria glabrata snail stocks: receptor binding and redistribution. Yoshino TP. **Dev Comp Immunol** 1981 Spring;5(2):229–40

Detection and characterization of lymphocytes bearing receptors for peanut agglutinin by a specific rosetting technique. Berrih S, et al. **J Immunol Methods** 1981; 41(2):235–45

Cell membrane receptor classes delimited through cap formation either with diamide or with membrane mobility agent, A2C. Kosower NS, et al. **J Immunol Methods** 1981; 41(2):215–23

ISOLATION & PURIFICATION

Chromatographic behavior of pea lectin receptors from the 6C3HED murine ascites tumor. Allen HJ, et al. **Biochim Biophys Acta** 1980 Aug 4;600(2):321–31

Comparison of isolated peanut agglutinin receptor glycoproteins from human, bovine and porcine erythrocyte membranes. Farrar GH, et al. **Biochim Biophys Acta** 1980 Dec 2;603(1):185–97

METABOLISM

Lectin-binding affinities of human epidermal tumors and related conditions. Louis CJ, et al. **Am J Clin Pathol** 1981 May;75(5):642–7

Induction of serotonin secretion by cross-linking of surface receptors of a derivative of wheat germ agglutinin on human platelets. Ganguly P, et al. **Biochem Biophys Res Commun** 1981 Mar 16;99(1):176–82

Receptors for Dolichos biflorus agglutinin: new cell surface markers on a spontaneous leukemia. Muramatsu T, et al. **Biochem Biophys Res Commun** 1980 Oct 31;96(4):1547–53

Cell surface receptors for wheat germ agglutinin and limulin in baby hamster kidney cells and ricin resistant variants. Obrenovitch A, et al. **Biochimie** 1981 Mar;63(3):169–75

Binding of lectins to mitotic chromosomes and interphase nuclear substructures. Hozier J, et al. **Cell Biol Int Rep** 1980 Dec;4(12):1091–9

Lectins induce the redistribution and internalization of receptors on the surface of cultured neurons. Carbonetto S, et al. **Dev Biol** 1980 Dec;80(2):364–78

Topographic changes of membrane receptors for wheat germ agglutinin during the cell cycle and their relation to cytolysis. Lustig S, et al. **Exp Cell Res** 1980 Oct; 129(2):321–8

Resonance energy transfer studies of the mechanisms of microclustering of lentil lectin membrane receptors on HeLa cells. Schreiber AB, et al. **Exp Cell Res** 1981 Apr; 132(2):273–80

The effect of amphotericin B on lectin-induced aggregation of cell surface receptors. Zagyansky Y, et al. **Exp Cell Res** 1981 Apr;132(2):387–97

Receptors for Dolichos biflorus agglutinin on embryonal carcinoma cells. Muramatsu T, et al. **J Biochem (Tokyo)** 1981 Feb;89(2):473–81

Lectin labeling of sprouting neurons. II. Relative movement and appearance of glycoconjugates during plasmalemmal expansion. Pfenninger KH, et al. **J Cell Biol** 1981 Jun; 89(3):547–59

Differential expression of lectin receptors during hemopoietic differentiation: enrichment for granulocyte-macrophage progenitor cells. Nicola NA, et al. **J Cell Physiol** 1980 May; 103(2):217–37

Lectin receptors as markers for Trypanosoma cruzi. Developmental stages and a study of the interaction of wheat germ agglutinin with sialic acid residues on epimastigote cells. Pereira ME, et al. **J Exp Med** 1980 Nov 1;152(5):1375–92

Discrete Distribution of binding sites for Dolichos biflorus agglutinin (DBA) and for peanut agglutinin (PNA) in mouse organ tissues. Watanabe M, et al. **J Histochem Cytochem** 1981 Jul;29(7):779–80

Chicken tissue binding sites for a purified chicken lectin. Beyer EC, et al. **J Supramol Struct** 1980;13(2):219–27

Intramembrane particle movements associated with binding of lectins on Schistosoma mansoni surface. Torpier G, et al. **J Ultrastruct Res** 1980 Sep;72(3):325–35

Specific receptors for platelet-derived growth factor on cells derived from connective tissue and glia. Heldin CH, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3664–8

Receptors for peanut agglutinin on a high percentage of human cord-blood lymphocytes: phenotype characterization of peanut-positive cells. Maccario R, et al. **Thymus** 1981 Apr;2(6):329–37

PHYSIOLOGY

Agglutination of isolated rod outer segments by lectins. Bridges CD. **Invest Ophthalmol Vis Sci** 1981 Jan; 20(1):17–23

RECEPTORS, MORPHINE see **RECEPTORS, ENDORPHIN**

RECEPTORS, MUSCARINIC see under **RECEPTORS, CHOLINERGIC**

RECEPTORS, NARCOTIC see **RECEPTORS, ENDORPHIN**

RECEPTORS, NICOTINIC see under **RECEPTORS, CHOLINERGIC**

RECEPTORS, OPIATE see **RECEPTORS, ENDORPHIN**

RECEPTORS, PROGESTERONE

ANALYSIS

Estradiol and progesterone receptors in estrogen-primed endometrium. Natrajan PK, et al. **Am J Obstet Gynecol** 1981 Jun 15;140(4):387–92

Modulation of protein expression in endometrial adenocarcinoma cells by in vitro exposure to estradiol and progesterone. O'Brien TJ, et al. **Am J Obstet Gynecol** 1981 Jan;139(1):67–72

Steroid hormone receptors in the management of human breast cancer. Knight WA 3d, et al. **Ann Clin Res** 1980 Oct;12(5):202–7 (22 ref.)

Progesterone receptor in the chick thymus. Náray A. **Biochem Biophys Res Commun** 1981 Feb 12;98(3):866–74

Progesterone-receptor complex in the nuclear fraction of the bovine endometrium. Atkins DT, et al. **Biol Reprod** 1980 Sep;23(2):317–23

The value of progesterone receptor assays in the management of advanced breast cancer. Degenshein GA, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2789–93

Progesterone receptors: saturation analysis by a solid phase hydroxylapatite adsorption technique. Hoffman PG, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2801–4

Analysis of estradiol and progesterone receptors in early and advanced breast tumors. King RJ. **Cancer** 1980 Dec 15; 46(12 Suppl):2818–21

Estrogen and progesterone receptors in breast carcinoma: correlations with epidemiology and pathology. Lesser ML, et al. **Cancer** 1981 Jul 15;48(2):299–309

Correlation of estrogen and progesterone receptors with histologic differentiation in mammary carcinoma. McCarty KS Jr, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2851–8

Comparison of sex steroid receptor analyses and carcinoembryonic antigen with clinical response to hormone therapy. McCarty KS Jr, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2846–50

Estrogen and progesterone receptors in the prediction of response of breast cancer to endocrine therapy. Manni A, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2838–41

The value of estrogen and progesterone receptors in the treatment of breast cancer. Osborne CK, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2884–8

Histochemical assay of estrogen and progesterone receptors in breast cancer: correlation with biochemical assays and patients' response to endocrine therapies. Pertschuk LP, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2896–901

Most cystosarcoma phyllodes and fibroadenomas have progesterone receptor but lack estrogen receptor: stromal localization of progesterone receptor. Rao BR, et al. **Cancer** 1981 Apr 15;47(8):2016–21

The clinical value of multiple steroid receptor assays in breast cancer management. Skinner LG, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2939–45

Histological differentiation in human breast cancer is related to steroid receptors and stromal elastosis. Rolland PH, et al. **Cancer Chemother Pharmacol** 1980 Dec;5(2):73–7

Comparison of dextran-coated charcoal and sucrose density gradient analyses of estrogen and progesterone receptors in human breast cancer. Anderson KM, et al. **Cancer Res** 1980 Nov;40(11):4127–32

Relationship of presence of progesterone receptors to prognosis in early breast cancer. Pichon MF, et al. **Cancer Res** 1980 Sep;40(9):3357–60

Estrogen and progesterone receptors and tamoxifen in malignant melanoma. Karakousis CP, et al. **Cancer Treat Rep** 1980 Jun-Jul;64(6–7):819–27

Estrogen and progesterone receptors in breast cancer: a new approach to measure. Lee SH. **Conn Med** 1980 Oct; 44(10):622–5

Studies on progesterone receptors during protein malnutrition and steroid maintained pregnancy in rat. Singh RK, et al. **Endokrinologie** 1981;77(1):13–22

Nuclear and cytoplasmic estrogen receptors and progesterone receptors in breast cancer. Hähnel R, et al. **Eur J Cancer** 1980 Aug;16(8):1027–33

In vitro adriamycin sensitivity test and hormonal receptors in primary breast cancer. Kaufmann M, et al. **Eur J Cancer** 1980 Dec;16(12):1609–13

Steroid hormone receptors in adenocarcinoma of the endometrium. Hunter RE, et al. **Gynecol Oncol** 1980 Oct; 10(2):152–61

The effects of long-term estrogen exposure on the induction of sexual behavior and measurements of brain estrogen and progestin receptors in the female rat. Parsons B, et al. **Horm Behav** 1979 Dec;13(3):301–13

Female sex steroid receptor status in primary and metastatic breast carcinoma and its relationship to serum steroid peptide hormone levels. Vihko R, et al. **Int J Cancer** 1980 Jul 15;26(1):13–21

Estradiol and progesterone receptors in human breast tumours. Duffy MJ. **Ir Med J** 1980 Aug;73(8):311–2

Progesterone receptor system of hen oviduct. Murayama A, et al. **J Biochem (Tokyo)** 1980 Nov;88(5):1305–15

Characterization and comparison of progesterone receptor in hamster vagina and uterus. Allen TC, et al. **J Steroid Biochem** 1981 Jan;14(1):29–36

Measurement of progesterone receptors in human breast tumors using the synthetic progestin 16 alpha-ethyl-21-hydroxy-19-nor-4-pregnene-3,20-dione. Duffy MJ. **J Steroid Biochem** 1980 Sep;13(9):1005–7

Nuclear progesterone receptors in the beagle uterus. Lessey BA, et al. **J Steroid Biochem** 1981 Jun;14(7):585–91

Estrogen, progesterone receptors in ovarian cancer [news] González ER. **JAMA** 1981 Apr 24;245(16):1626

Cycle variation and distribution in the concentration of cytosol estrogen and progesterone receptors in the normal human uterus and myoma. Ochiai K. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Jul;32(7):945–52

Morphologic assay of steroid hormone receptors in human neoplasia. Pertschuk LP, et al. **Pathol Annu** 1980;15(Pt 2):143–80 (101 ref.)

Metastatic breast carcinoma with positive estrogen and progesterone receptors in a man with Klinefelter's syndrome. Ellison HS, et al. **South Med J** 1980 Oct; 73(10):1393–6

The correlation of estrogen and progesterone receptor levels with response to chemotherapy for advanced carcinoma of the breast. Paone JF, et al. **Surg Gynecol Obstet** 1981 Jan;152(1):70–4

[Demonstration of estradiol and progesterone receptors in histological preparations] Fetissof F, et al. **Ann Anat Pathol (Paris)** 1980;25(3):201–16 (Eng. Abstr.) **(Fre)**

[Analysis of hormone receptors in the treatment of breast neoplasms in women] Delarue JC, et al. **Ann Biol Clin (Paris)** 1980;38(5):293–6 **(Fre)**

[Determination of cytosolic receptors for estradiol and progesterone in 137 cases of breast cancer: technics, clinical and histopathological correlations] Dewailly D, et al. **Lille Med** 1980 Nov;25(9):496–501 (Eng. Abstr.) **(Fre)**

[The cytochemical detection of steroid receptors: a new tool for research in mammary oncology? (author's transl)] Danguy A, et al. **Rev Med Brux** 1981 May;2(5):477–81 (Eng. Abstr.) **(Fre)**

[Estrogen and progestin receptors in meningiomas: a study in 22 cases (author's transl)] Poisson M, et al. **Rev Neurol (Paris)** 1980;136(3):193–203 (Eng. Abstr.) **(Fre)**

[Determination of estrogen and progesterone receptors in cervical sterility] Floersheim Y, et al. **Gynaekol Rundsch** 1980 Jun;20 Suppl 1:83–5 **(Ger)**

[Tumor histology and steroid receptors in breast carcinoma] Jakesz R, et al. **Onkologie** 1981 Apr;4(2):73–8 (Eng. Abstr.) **(Ger)**

[17-beta-estradiol and progesterone receptors in the human Fallopian tubes (preliminary note)] Magli G, et al. **Arch Ostet Ginecol** 1980 Jan-Apr;85(1–2):81–5 (Eng. Abstr.) **(Ita)**

[Concentration of progesterone receptor in human endometrium with normal menstrual cycle, endometriosis or endometrial carcinoma (author's transl)] Watanabe K. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 May; 32(5):635–43 (Eng. Abstr.) **(Jpn)**

[Prostaglandin regulation of the sex hormone receptor content in human decidual tissue] Iudaev NA, et al. **Probl Endokrinol (Mosk)** 1980;26(6):63–7 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

[Hormonal regulation of estrogen and progesterone receptor biosynthesis in human endometrial tissue culture] Iudaev NA, et al. **Probl Endokrinol (Mosk)** 1980 Sep-Oct; 26(5):29–35 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Inhibition of progesterone receptor activation by vanadate. Nishigori H, et al. **Arch Biochem Biophys** 1980 Sep; 203(2):600–4

Protection of steroid hormone receptors by protease inhibitors. Hazato T, et al. **Biochem Biophys Res Commun** 1981 Jan 30;98(2):488–93

Effects of tamoxifen on estrogen and progesterone receptors in human breast cancer. Waseda N, et al. **Cancer Res** 1981 May;41(5):1984–8

Endometrial estrogen and progestin receptors in women bearing a progesterone-releasing intrauterine device. Jänne O, et al. **Contraception** 1980 Jul;22(1):19–23

Effects of 17 beta-estradiol, synthetic estrogens, and antiestrogens on prolactin secretion, nuclear translocation of pituitary estrogen receptor and on progesterone receptor levels in rat pituitary, hypothalamus and uterus. Leibl H, et al. **Endocrinol Exp (Bratisl)** 1981;15(1):35–44

Estrogen induction of progesterone receptor and its relationship to cell multiplication rate in the rat pituitary tumor cell line C29RAP. Lee H, et al. **Endocrinology** 1981 Mar;108(3):990–5

Oestradiol and progesterone receptors in the mammary tissue and tumours of female Holtzman rats following 7,12–dimethylbenz(a)anthracene administration. Seshadri R, et al. **Oncology** 1981;38(2):72–5

Progesterone inhibition of uterine nuclear estrogen receptor: dependence on RNA and protein synthesis. Evans RW, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):5856–60

Estrogen–like effects of O,P'–DDT on the progesterone receptor of rat uterine cytosol. Mason RR, et al. **Res Commun Chem Pathol Pharmacol** 1980 Aug; 29(2):281–90

[OEstradiol and progesterone steroid hormone receptors in cancer of the endometrium. The significance of the progesterone receptor (author's transl)] Martin PM, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1979;8(8):681–4 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Antibodies to rabbit progesterone receptor: crossreaction with human receptor. Logeat F, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1426–30

ISOLATION & PURIFICATION

Evidence for a human ovarian progesterone receptor. Jacobs BR, et al. **Am J Obstet Gynecol** 1980 Oct 1;138(3):332–6

Characterization of estradiol, progesterone, and prolactin receptors in nitrosomethylurea–induced mammary tumors and effect of antiestrogen treatment on the development and growth of these tumors. Turcot–Lemay L, et al. **Cancer Res** 1980 Sep;40(9):3232–40

Progestin–receptor analysis in human breast cancer cytosol by isoelectric focusing in slabs of polyacrylamide gel. Wrange O, et al. **J Steroid Biochem** 1981 Feb;14(2):141–8

The presence of progesterone receptors in the sexual skin of the monkey. Kato J, et al. **Steroids** 1980 Dec;36(6):743–9

[Cytoplasmic and nuclear progesterone receptors in the hypothalamus and hypophysis (author's transl)] Kato J. **Horumon To Rinsho** 1980 Aug;28(8):853–61 **(Jpn)**

[Estrogen and progesterone receptors in normal and pathologic human endometrium] Baron J, et al. **Endokrynol Pol** 1980 Jul–Aug;31(4):353–60 (Eng. Abstr.) **(Pol)**

METABOLISM

Sex steroid receptors in endometrial hyperplasia and neoplasia [proceedings] Gurpide E. **Acta Cytol (Baltimore)** 1980 Nov–Dec;24(6):483–5

Receptor mediated gonadotropin action in the ovary. Modulation of progesterone response in isolated rat ovarian cells by gonadotrophin, cholera enterotoxin and cyclic nucleotides: requirement for RNA and protein synthesis. Azhar S, et al. **Acta Endocrinol (Copenh)** 1980 Dec; 95(4):528–39

Cytoplasmic estrogen, but not progestin, binding sites in male rat adipose tissues. Gray JM, et al. **Am J Physiol** 1980 Oct; 239(4):E237–E241

Sex steroid hormone receptors and human prostatic hyperplasia and carcinoma. Robel P. **Ann Clin Res** 1980 Oct;12(5):216–22 (53 ref.)

Functions of calcium in the interaction of progesterone–receptor complex with nuclear components. Kalimi M. **Arch Biochem Biophys** 1980 Dec;205(2):428–36

Cytosol oestradiol and progesterone receptors in endometrial hyperplasia and adenocarcinoma: determination by single saturating dose exchange assays. Elliott PM, et al. **Aust NZ J Obstet Gynaecol** 1980 Nov;20(4):199–204

Early changes in rabbit uterine progesterone receptor concentrations and uteroglobin synthesis after progesterone administration. Torkkeli T. **Biochem Biophys Res Commun** 1980 Nov 28;97(2):559–65

'Non–activated' form of the progesterone receptor from chick oviduct: characterization. Wolfson A, et al. **Biochem Biophys Res Commun** 1980 Aug 29;95(4):1577–84

A comparison of the relationships between progestin receptors and oestrogen receptors in neural and non–neural target tissues of the rat during the oestrous cycle. Thrower S, et al. **Biochem J** 1980 Sep 15;190(3):691–5

Uterine progesterone receptor: stabilization and physicochemical alterations produced by sodium molybdate. Chen TJ, et al. **Biochemistry** 1981 Jun 9; 20(12):3405–11

Interaction of the chick oviduct progesterone receptor with deoxyribonucleic acid. Hughes MR, et al. **Biochemistry** 1981 Apr 28;20(9):2481–91

Factors affecting the binding of chick oviduct progesterone receptor to deoxyribonucleic acid: evidence that deoxyribonucleic acid alone is not the nuclear acceptor site. Thrall CL, et al. **Biochemistry** 1980 Aug 19; 19(17):4130–8

In vitro binding to an in vivo effect on the cytosol and nuclear progesterone receptors of various progestins, and their relationship to synthesis of uteroglobin in rabbit uterus. Isomaa V. **Biochim Biophys Acta** 1981 Jun 11; 675(1):9–16

Temperature dependence of kinetic interactions between progesterone and the uterine cytoplasmic receptor. Seeley DH, et al. **Biochim Biophys Acta** 1980 Nov 3;632(4):536–43

Influence of exogenous estradiol–17 beta on endometrial progesterone and estrogen receptors during the luteal phase of the ovine estrous cycle. Zelinski MB, et al. **Biol Reprod** 1980 Nov;23(4):743–51

Temporal relationships between endometrial RNA polymerase activities and steroid hormone receptors following estradiol administration during the midluteal phase of the ovine estrous cycle. Zelinski MB, et al. **Biol Reprod** 1981 Feb;24(1):119–24

Estradiol and progersterone receptors in F1 (C3H X RIII) mice mammary tumors: effect of castration. Edery M, et al. **Biomedicine** 1980 May;33(3):80–2

Changes in noradrenergic transmission alter the concentration of cytoplasmic progestin receptors in hypothalamus. Nock B, et al. **Brain Res** 1981 Mar 2; 207(2):371–96

Relation of tumor content of estrogen and progesterone receptors with response of patient to endocrine therapy. Brooks SC, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2775–8

Steroid receptors and response to endocrine ablations in women with metastatic cancer of the breast. Dao TL, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2779–82

Correlation of hormone receptors with pathological features in human breast cancer. Millis RR. **Cancer** 1980 Dec 15; 46(12 Suppl):2869–71

Steroid hormone receptors and clinical usefulness in human breast cancer. Nomura Y, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2880–3

Relationship between steroid receptors and response to endocrine therapy and cytotoxic chemotherapy in metastatic breast cancer. Young PC, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2961–3

Female sex steroid receptors in postmenopausal endometrial carcinoma and biochemical response to an antiestrogen. Mortel R, et al. **Cancer Res** 1981 Mar;41(3):1140–7

Relationship of cytoplasmic and nuclear estrogen receptors and progesterone receptors in human breast cancer. Romić–Stojković R, et al. **Cancer Res** 1980 Dec; 40(12):4821–5

Autoradiographic studies on the fetal and newborn uteri of the guinea pig after injection of 3H–progesterone into non–treated and into estradiol–primed animals. Tardy J, et al. **Cell Tissue Res** 1980;213(2):213–20

Identification of biologically active and inactive steroid receptors. Spelsberg TC, et al. **Clin Biochem** 1980 Oct; 13(5):198–203

Simultaneous measurement of estrogen and progesterone receptors in tumor cytosols with use of 125I–labeled estradiol and of 3H–R5020. Thibodeau SN, et al. **Clin Chem** 1981 May;27(5):687–91

Relationship between the changes in cytoplasmic progesterone receptor concentration and in nuclear progesterone binding sites in the hen hypothalamus and pituitary during the ovulatory cycle. Kawashima M, et al. **Endocrinol Jpn** 1980 Oct;27(5):667–70

Modulation of rat uterine steroid hormone receptors by estrogen and antiestrogen. Dix CJ, et al. **Endocrinology** 1980 Dec;107(6):2011–20

Relative distribution of estrogen and progesterone receptors among the epithelial, adipose, and connective tissue components of the normal mammary gland. Haslam SZ, et al. **Endocrinology** 1981 Mar;108(3):825–30

Affinity labelling of the human uterine progesterone receptor with 21–, 16 alpha– and 11 alpha–bromoacetoxyprogesterones. Holmes SD, et al. **Endocrinology** 1981 Aug;109(2):670–2

Nuclear estrogen receptor release from antiestrogen suppression: amplified induction of progesterone receptor in MCF–7 human breast cancer cells. Horwitz KB, et al. **Endocrinology** 1981 May;108(5):1703–9

Replenishment and properties of cytosol progesterone receptor in rabbit uterus after multiple progesterone administrations. Isotalo H, et al. **Endocrinology** 1981 Mar; 108(3):868–73

Nuclear progestin receptors in human uterus. Kasid A, et al. **Endocrinology** 1981 Aug;109(2):553–60

Estrogen–induced progesterone receptor in the Syrian hamster kidney. II. Modulation by synthetic progestins. Li JJ, et al. **Endocrinology** 1981 May;108(5):1751–6

Circannual rhythms in steroid receptor concentration and nuclear binding in the chick oviduct. Spelsberg TC, et al. **Endocrinology** 1980 Oct;107(4):1234–44

Characterization of progesterone receptors, estrogen receptors, and estrogen (type II)–binding sites in the hormone–independent variant of the MXT–3590 mouse mammary tumor. Watson CS, et al. **Endocrinology** 1980 Nov;107(5):1432–7

Estrogenic effects of nafoxidine on ovarian–dependent and independent mammary tumor lines in the mouse. Watson CS, et al. **Endocrinology** 1981 Feb;108(2):668–72

Progesterone and estrogen receptors in GH3 cells. Roos W, et al. **Horm Res** 1980;12(6):324–32

The binding of sex steroids to human spermatozoa. An autoradiographic study. Cheng CY, et al. **Int J Androl** 1981 Feb;4(1):1–17

Occurrence of common binding sites for progestin and glucocorticoid in the lactating mammary gland of the rat. Maki M, et al. **J Biochem (Tokyo)** 1980 Dec;88(6):1845–54

Reversible dissociation of steroid hormone x receptor complexes by mercurial reagents. Coty WA. **J Biol Chem** 1980 Sep 10;255(17):8035–7

Progesterone receptors in normal mammary gland: receptor modulations in relation to differentiation. Haslam SZ, et al. **J Cell Biol** 1980 Sep;86(3):730–7

Human endometrial cells in primary tissue culture: modulation of the progesterone receptor level by natural and synthetic estrogens in vitro. Eckert RL, et al. **J Clin Endocrinol Metab** 1981 Apr;52(4):699–708

Cyclic clomiphene citrate treatment lowers cytosol estrogen and progestin receptor concentrations in the endometrium of postmenopausal women on estrogen replacement therapy. Kokko E, et al. **J Clin Endocrinol Metab** 1981 Feb;52(2):345–9

Estradiol and progesterone receptors in human breast fibroadenomas. Kuttenn F, et al. **J Clin Endocrinol Metab** 1981 Jun;52(6):1225–9

Cyclic changes in cytosol progesterone receptor of human fallopian tube. Verhage HG, et al. **J Clin Endocrinol Metab** 1980 Oct;51(4):776–80

Hormones modulate the concentration of cytoplasmic progestin receptors in the brain of male ring doves (Streptopelia risoria). Balthazart J, et al. **J Endocrinol** 1980 Aug;86(2):251–61

Alterations in progesterone receptors in the rat uterus bearing an intra–uterine device during the oestrous cycle and early pregnancy. Myatt L, et al. **J Endocrinol** 1980 Dec; 87(3):365–73

Insulin release and steroid–hormone binding in isolated islets of langerhans in the rat: effects of ovariectomy. El Seifi S, et al. **J Endocrinol** 1981 Jul;90(1):59–67

Progesterone and oestradiol receptors in the uterus of oestradiol–primed fetal and newborn guinea–pigs. Sumida C, et al. **J Endocrinol** 1980 Jun;85(3):429–34

Binding of a contraceptive progestogen ORG 2969 and its metabolites to receptor proteins and human sex hormone binding globulin. Bergink EW, et al. **J Steroid Biochem** 1981 Feb;14(2):175–83

Inactivation of chick oviduct progesterone receptors. Grody WW, et al. **J Steroid Biochem** 1980 Jan;12:115–20

Assay of human endometrial progesterone receptors using the natural hormone and a polyethylene glycol precipitation technique. Hammond KD, et al. **J Steroid Biochem** 1980 Oct;13(10):1147–56

Role of sulfhydryl modifying reagents in the binding and activation of chick oviduct progesterone–receptor complex. Kalimi M, et al. **J Steroid Biochem** 1981 Jun; 14(7):593–7

Analysis of the progesterone receptor in the beagle uterus and oviduct. Lessey BA, et al. **J Steroid Biochem** 1980 Oct;13(10):1173–80

Estrogen receptors and estrogen–induced gene expression in the rat mammary glands and uteri during pregnancy and lactation: changes in progesterone receptor and RNA polymerase activity. Mohla S, et al. **J Steroid Biochem** 1981 Jun;14(6):501–8

Estrogen concentrations and effect of estradiol on progesterone receptors in the fetal and new–born guinea–pigs. Pasqualini JR, et al. **J Steroid Biochem** 1980 Jan;12:65–72

Progesterone receptor binding characteristics following freezer storage of uterine cytosol. Spilman CH, et al. **J Steroid Biochem** 1980 Oct;13(10):1249–51

Interaction of heparin with the cytosol progesterone receptor from human mammary tumours: separate estimation of the 4 and 7 S binding components with a simple dextran–charcoal assay. Thorsen T. **J Steroid Biochem** 1981 Feb;14(2):221–7

Hydroxylapatite prevents nuclear receptor loss during the exchange assay of progesterone receptors. Walters MR, et al. **J Steroid Biochem** 1980 Oct;13(10):1129–32

Progesterone–binding properties of the microsomal fraction from chick oviduct. Haukkamaa M, et al. **Mol Cell Endocrinol** 1980 Aug;19(2):123–30

Progestin receptors in human uterine cytosol. Kasid A, et al. **Mol Cell Endocrinol** 1980 Aug;19(2):131–42

Hormonal regulation of cytoplasmic estrogen and progesterone receptors in the beagle uterus and oviduct. Lessey BA, et al. **Mol Cell Endocrinol** 1981 Feb; 21(2):171–80

Nuclear progesterone and estradiol receptors in deciduomata induced in ovariectomised rats. McConnell KN, et al. **Mol Cell Endocrinol** 1980 Nov;20(2):191–204

Uteroglobin mRNA activity and levels of nuclear progesterone receptor in endometrium. Young CE, et al. **Mol Cell Endocrinol** 1980 Dec;20(3):219–26

Uteroglobin mRNA and levels of nuclear progesterone receptor in endometrium. Young CE, et al. **Mol Cell Endocrinol** 1981 Apr;22(1):105–12

Corticosteroid–binding globulin and corticosterone interaction with progesterone receptors [letter] Raynaud JP, et al. **Nature** 1981 May 14;291(5811):171–2

A sex difference in the progestin receptor system of guinea pig brain. Blaustein JD, et al. **Neuroendocrinology** 1980 Dec;31(6):403–9

Analysis of progesterone receptor binding in the ovine uterus. Bauer MA, et al. **Steroids** 1980 Nov;36(5):581–91

Regio and stereospecific synthesis of 11 beta–substituted 19–norsteroids. Influence of 11 beta–substitution on progesterone receptor affinity – (1). Bélanger A, et al. **Steroids** 1981 Apr;37(4):361–82

[Fundamental study of endocrine therapy for renal cell carcinoma—progesterone and androgen receptors in normal kidneys and renal cell carcinomas (author's transl)] Nakano E. **Nippon Hinyokika Gakkai Zasshi** 1980 Jul;

71(7):775–87 (Eng. Abstr.) **(Jpn)**

[Changes of prostaglandin receptors in myometrium—interaction between steroids and prostaglandins—(author's transl)] Imoto N, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Jun;32(6):749–56 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Uterine receptors and fertility regulation. Gautray JP, et al. **Acta Eur Fertil** 1980 Sep;11(3):185–98 (33 ref.)

Nuclear progestin receptor-like component in human cervical tissue. Holt JA, et al. **Am J Physiol** 1981 Aug; 241(2):E160–7

Regulation of steroid hormone receptor activity. Muldoon TG. **Endocr Rev** 1980 Fall;1(4):339–64 (269 ref.)

[Regulation of receptors for estrogen and progesterone (author's transl)] Kato J. **Horumon To Rinsho** 1981 Jan; 29(1):79–83 **(Jpn)**

RADIATION EFFECTS

Effects of ionizing irradiation on the estradiol and progesterone receptors in rat mammary tumors. Janssens JP, et al. **Cancer Res** 1981 Feb;41(2):703–7

RECEPTORS, PROSTAGLANDIN see under **RECEPTORS, HORMONE**

RECEPTORS, SENSORY

Separation of interleaved nerve spike trains in a noisy channel. Rumbo ER. **IEEE Trans Biomed Eng** 1980 Aug; 27(8):470–2

ANALYSIS

Comparison of the protein composition of myelin of motor and sensory nerves. Koski CL, et al. **J Neurochem** 1980 Feb;34(2):449–52

ANATOMY & HISTOLOGY

Olfactory receptor cell staining using horseradish peroxidase. Kauer JS. **Anat Rec** 1981 Jul;200(3):331–6

Inputs to the torus semicircularis in the electric fish Eigenmannia virescens. A horseradish-peroxidase study. Scheich H, et al. **Cell Tissue Res** 1981;215(3):531–6

Brain stem projections of sensory and motor components of the vagus complex in the cat: I. The cervical vagus and nodose ganglion. Kalia M, et al. **J Comp Neurol** 1980 Sep 15;193(2):435–65

Fine structure and organization of the infrared receptor relay, the lateral descending nucleus of the trigeminal nerve in pit vipers. Meszler RM, et al. **J Comp Neurol** 1981 Mar 10;196(4):571–84

The infrared trigemino-tectal pathway in the rattlesnake and in the python. Newman EA, et al. **J Comp Neurol** 1980 Jun;191(3):465–77

Tectal projections of an infrared sensitive snake, Crotalus viridis. Schroeder DM. **J Comp Neurol** 1981 Jan 20; 195(3):477–500

[Ante-occlusal growth of human mandibular condyles. The palatal sensory network. Applications (author's transl)] Couly G. **Rev Stomatol Chir Maxillofac** 1981;82(2):87–92 (Eng. Abstr.) **(Fre)**

[Evolution of encapsulated sensory nerve endings in the hairless part of the lips of mammals] Kadanoff D, et al. **Z Mikrosk Anat Forsch** 1980;94(5):943–51 (Eng. Abstr.) **(Ger)**

BLOOD SUPPLY

Intraepithelial blood vessels in the vomeronasal neuroepithelium of the rat. A light and electron microscopic study. Breipohl W, et al. **Cell Tissue Res** 1981; 215(3):465–73

CYTOLOGY

[Tactile cells (of Merkel)] Chelyshev IuA. **Arkh Anat Gistol Embriol** 1980 Sep;79(9):92–106 **(Rus)**

DRUG EFFECTS

Gastric dilation during stimulation of cardiac sensory receptors. Johannsen UJ, et al. **Circulation** 1981 Apr; 63(4):960–4

Interaction of alpha-L-aspartyl-D-phenylalanine methyl ester with the receptor site of the bitter taste. Lelj F, et al. **Farmaco [Sci]** 1980 Dec;35(12):988–96

Stimulation of pulmonary J receptors by an enkephalin-analog. Sapru HN, et al. **J Pharmacol Exp Ther** 1981 Apr;217(1):228–34

The action of some chemical irritants on somatosensory receptors of the cat. Foster RW, et al. **Neuropharmacology** 1981 Feb;20(2):191–8

Characterization in guinea pigs of the sensory effects of the putative substance P neurotoxin capsaicin. Burks TF, et al. **Proc West Pharmacol Soc** 1981;24:353–7

ENZYMOLOGY

Electron microscopic histochemistry of ATPase and alkaline phosphatase activities in mouse digital corpuscles. Idé C, et al. **J Neurocytol** 1980 Apr;9(2):207–18

[Alkaline phosphatase in the differentiating receptor cells of the bull olfactory lining] Martynova GI. **Tsitologiia** 1980 Dec;22(12):1438–41 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

[Postnatal development of sensory nerve endings in the hairless nose skin of the cat] Halata Z. **Bibl Anat** 1981; (19):210–35 (Eng. Abstr.) **(Ger)**

INJURIES

[The forensic importance of surgical lesions of sensory nerves in the maxillofacial region] Pfeifer G, et al. **Dtsch Zahnaerztl Z** 1980 Feb;35(2):202–5 (Eng. Abstr.) **(Ger)**

METABOLISM

Receptor for protons in the membrane of sensory neurons. Krishtal OA, et al. **Brain Res** 1981 Jun 9;214(1):150–4

Substance P in the vagal sensory ganglia: localization in cell bodies and pericellular arborizations. Katz DM, et al. **J Comp Neurol** 1980 Sep 15;193(2):549–64

Mobility, clustering, and transport of nerve growth factor in embryonal sensory cells and in a sympathetic neuronal cell line. Levi A, et al. **Proc Natl Acad Sci USA** 1980 Jun; 77(6):3469–73

[Proton receptor in a nerve cell membrane] Kryshtal' OA, et al. **Dokl Akad Nauk SSSR** 1980;255(6):1494–6 **(Rus)**

PHYSIOLOGY

Response variations of neurons in the lateral geniculate body of the freely moving rat. Albrecht D, et al. **Acta Neurobiol Exp (Warsz)** 1980;40(2):463–78

Specific sensations evoked by activity in single identified sensory units in man. Torebjörk HE, et al. **Acta Physiol Scand** 1980 Dec;110(4):445–7

Cutaneous sensation 1980. Sinclair D. **Anaesth Intensive Care** 1981 May;9(2):163–73

Anatomical evidence of electroreception in the Coelacanth (Latimeria chalumnae). Northcutt RG. **Anat Histol Embryol** 1980;9(4):289–95

Sensory inputs to the medulla. Pack AI. **Annu Rev Physiol** 1981;43:73–90 (104 ref.)

Somatosensory-evoked potentials and perception of skin velocity. Johnson D, et al. **Arch Psychiatr Nervenkr** 1980; 228(2):95–100

Somatosensory-evoked potentials and vibration. Johnson D, et al. **Arch Psychiatr Nervenkr** 1980;228(2):101–7

Formation of central patterns by receptor cell axons in Drosophila. Palka J, et al. **Basic Life Sci** 1980;16:223–46

Environmental modulation of a central pattern generator in freely behaving Aplysia. Eberly L, et al. **Behav Neural Biol** 1981 May;32(1):21–34

Behavioral evidence that substance P may be a spinal cord sensory neurotransmitter. Piercey MF, et al. **Brain Res** 1981 Apr 6;210(1–2):407–12

Olfactory receptor response characteristics: a reevaluation. Blank DL, et al. **Brain Res Bull** 1981 Jan;6(1):97–9

'Summation' of the increase in heart rate from stimulation of atrial receptors. Greenwood PV, et al. **Can J Physiol Pharmacol** 1980 Jun;58(6):666–72

The structure of bimodal chemo-, thermo-, and hygroreceptive sensilla on the antenna of Locusta migratoria. Altner H, et al. **Cell Tissue Res** 1981; 215(2):289–308

Cephalic phase, reflex insulin secretion. Neuroanatomical and physiological characterization. Berthoud HR, et al. **Diabetologia** 1981 Mar;20 Suppl:393–401 (50 ref.)

Role of the hypothalamus in intersensory interaction. Kurilova LM. **Hum Physiol** 1980 Jul–Aug;6(4):297–302

A microprocessor-based instrument for neural pulse wave analysis. Kojima GK, et al. **IEEE Trans Biomed Eng** 1980 Sep;27(9):515–9

Electrophysiological and neuroanatomical studies of hepatic portal osmo- and sodium-receptive afferent projections within the brain. Rogers RC, et al. **J Auton Nerv Syst** 1979 Dec;1(2):183–202

Structure—sweetness relationship of L-aspartyl dipeptide analogues. A receptor site topology. Iwamura H. **J Med Chem** 1981 May;24(5):572–83

Human sensory nerve compound action potential amplitude: variation with sex and finger circumference. Bolton CF, et al. **J Neurol Neurosurg Psychiatry** 1980 Oct;43(10):925–8

A quantitative comparison of motor and sensory conduction velocities in short- and long-term streptozotocin- and alloxan-diabetic rats. Moore SA, et al. **J Neurol Sci** 1980 OCT;48(1):133–52

GABA-mediated synaptic potentials in chick spinal cord and sensory neurons. Choi DW, et al. **J Neurophysiol** 1981 Apr; 45(4):632–43

Responses of lateral reticular neurons to sinusoidal stimulation of labyrinth receptors in decerebrate cat. Kubin L, et al. **J Neurophysiol** 1980 Nov;44(5):922–36

Physiological activity of newly differentiated olfactory receptor neurons correlated with morphological recovery from olfactory nerve section in the salamander. Simmons PA, et al. **J Neurophysiol** 1981 Mar;45(3):529–49

Magnification, receptive-field area, and 'hypercolumn' size in areas 3b and 1 of somatosensory cortex in owl monkeys. Sur M, et al. **J Neurophysiol** 1980 Aug;44(2):295–311

The projection of joint receptors to the cuneate nucleus in the cat. Tracey DJ. **J Physiol (Lond)** 1980 Aug;305:433–49

Olfactory receptor cell activity under electrical polarization of the nasal mucosa in the frog. II. Responses to odour stimulation. Juge A, et al. **J Physiol (Paris)** 1979; 75(8):929–38

Olfactory receptor cell activity under electrical polarization of the nasal mucosa in the frog. I. Spontaneous activity. Juge A, et al. **J Physiol (Paris)** 1979;75(8):919–27

Membrane trasnport and neuroreceptors. Abstracts. **J Supramol Struct** 1980;Suppl 4:45–109

Sensory rehabilitation of the hand [editorial] **Lancet** 1981 Jan 17;1(8212):135–6

Supraoptic neurones of rat hypothalamus are osmosensitive. Mason WT. **Nature** 1980 Sep 11;287(5778):154–7

Sensory nerve stimulation and evoked cerebral potentials. Eisen A, et al. **Neurology (NY)** 1980 Oct;30(10):1097–105

L-glutamate as possible neurotransmitter in the ampullae of Lorenzini of the skate. Akoev GN, et al. **Neurosci Lett** 1980 Dec;20(3):307–12

Volume receptor control of ADH release in essential hypernatremia. Rosansky SJ, et al. **NY State J Med** 1981 Mar;81(3):351–6

Differences between K channels in motor and sensory nerve fibres of the frog as revealed by fluctuation analysis. Neumcke B, et al. **Pfluegers Arch** 1980 Aug;387(1):9–16

Participation of the liver receptors in the regulation of ion composition osmolality and extracellular fluid volume. Tyryshkina EM, et al. **Pfluegers Arch** 1981 Jun;390(3):270–7

Activity of new receptors after transection of the primary olfactory nerve in pigeons. Kiyohara S, et al. **Physiol Behav** 1978 DEC;21(6):987–94

Osmoreceptors, vasopressin, and control of renal water excretion. Bie P. **Physiol Rev** 1980 Oct;60(4):961–1048 (505 ref.)

L-Fucose-terminated glycoconjugates are recognized by pinocytosis receptors on macrophages. Shepherd VL, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):1019–22

Propioceptive influences from eye muscle receptors on cells of the superior colliculus. Abrahams VC. **Prog Brain Res** 1979;50:325–34

Properties of the receptors of the extraocular muscles. Batini C. **Prog Brain Res** 1979;50:301–14

Vestibular receptors in mammals: afferent discharge characteristics and efferent control. Goldberg JM. **Prog Brain Res** 1979;50:355–67

[Separation of certain local stimuli on a nerve net] Gutman SR. **Biofizika** 1980 Sep–Oct;25(5):897–901 (Eng. Abstr.) **(Rus)**

[Mechanisms of coding the configuration of a tactile stimulus by cortical neurons] Korobeinikov AP. **Biofizika** 1980 Jul–Aug;25(4):692–6 (Eng. Abstr.) **(Rus)**

[Proton receptor, a possible mechanism of pain sensitivity] Kryshtal' OA, et al. **Dokl Akad Nauk SSSR** 1981; 258(3):763–5 **(Rus)**

[Functional characteristics of the electroreceptors of the Turkestan catfish] Broun GR, et al. **Neirofiziologiia** 1980; 12(5):508–16 (Eng. Abstr.) **(Rus)**

[Mechanism of the mechanical sensitivity of the electroreceptors of ampullae of Lorenzini] Broun GR, et al. **Neirofiziologiia** 1980;12(6):656–9 (Eng. Abstr.) **(Rus)**

[Effect of focused ultrasound on the electroreceptor system of skates and certain fish and amphibian tissues] Broun GR, et al. **Zh Evol Biokhim Fiziol** 1980 Jul–Aug;16(4):352–8 (Eng. Abstr.) **(Rus)**

[Electrophysiological study of sex pheromone reception in the boar, Sus scrofa] Minor AV, et al. **Zh Evol Biokhim Fiziol** 1980 Nov–Dec;16(6):616–9 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Interictal psychopathology in patients with ictal fear. Examples of sensory-limbic hyperconnection? Hermann BP, et al. **Arch Neurol** 1980 Oct;37(10):667–8

Inflammation and peripheral nerve sensitisation. Rood JP, et al. **Br J Oral Surg** 1981 Mar;19(1):67–72

Paraesthesiae from ectopic impulse generation in human sensory nerves. Ochoa JL, et al. **Brain** 1980 Dec; 103(4):835–53

Reduced sensory and motor conduction velocity in 25-week-old diabetic [C57BL/Ks (db/db)] mice. Moore SA, et al. **Exp Neurol** 1980 Dec;70(3):548–55

[Sensitivity disturbances in patients with neurological pains (author's transl)] Lindblom U. **MMW** 1980 Nov 21; 122(47):1677–9 (Eng. Abstr.) **(Ger)**

SURGERY

Surgery of the only functioning vestibular end-organ: a case report. Hybels RL. **Am J Otol** 1980 Apr;1(4):236–7

ULTRASTRUCTURE

Ruthenium red staining material in Herbst and Grandry sensory corpuscles. Chouchkov C, et al. **Acta Histochem (Jena)** 1980;66(1):160–7

The sensory innervation of primate eyelid. Halata Z, et al. **Anat Rec** 1980 Dec;198(4):657–70

Ultrastructure of the lateral-line sense organs of the ratfish, Chimaera monstrosa. Ekström von Lubitz DK. **Cell Tissue Res** 1981;215(3):651–65

Ultrastructure of epidermal sensory receptors in Amphibolurus barbatus (Lacertilis: Agamidae). Maclean S. **Cell Tissue Res** 1980;210(3):435–45

The first optic ganglion of the bee. IV. Synaptic fine structure

and connectivity patterns of receptor cell axons and first order interneurones. Ribi WA. **Cell Tissue Res** 1981; 215(3):443–64

Bar synapses in the end buds of lamprey skin. Whitear M, et al. **Cell Tissue Res** 1981;216(2):445–8

The sensillum capitulum, an antennal hygro– and thermoreceptive sensillum of the cockroach, Periplaneta americana L. Yokohari F. **Cell Tissue Res** 1981; 216(3):525–43

Ultrastructure of sensory corpuscles in joint capsules of the bat (Myotis myotis). Malinovský L, et al. **Folia Morphol (Praha)** 1980;28(3):230–2

Is the Merkel cell a part of the Herbst corpuscle? Páč L. **Folia Morphol (Praha)** 1980;28(3):233–5

Giant neurons and associated synapses in the peripheral nervous system of whip spiders. Foelix RF, et al. **J Neurocytol** 1980 Aug;9(4):517–35

Cnidocil apparatus: sensory receptor of Physalia nematocytes. Cormier SM, et al. **J Ultrastruct Res** 1980 Jul;72(1):13–9

Ultrastructure of the anterior neurosensory organs of the larvae of the soybean cyst nematode, Heterodera glycines. Endo BY. **J Ultrastruct Res** 1980 Sep;72(3):349–66

Neurohistological and histochemical data on an additional fiber of some encapsulated receptors. Chelyshev YuA. **Neurosci Behav Physiol** 1980 Nov–Dec;10(6):525–9

Possible sensory endings in the submucous plexus of mouse small intestine. Yamamoto M. **Okajimas Folia Anat Jpn** 1980 Aug;57(2–3):159–66

Ciliated receptors in the cruciform muscle sense organ of Scrobicularia plana (Da Costa) (Mollusca Lamellibranchia Tellinacea). Frenkiel L, et al. **Z Mikrosk Anat Forsch** 1980; 94(5):881–94

Ultrastructure of the Herbst corpuscle from beak skin of the pigeon. Malinovský L, et al. **Z Mikrosk Anat Forsch** 1980; 94(2):292–304

[Tactile (Merkel) cells of the sinuous hairs of cats following colchicine application to nerves] Chelyshev IuA, et al. **Arkh Anat Gistol Embriol** 1980 Aug;79(8):39–48 (Eng. Abstr.) **(Rus)**

RECEPTORS, SEROTONIN

Differential effects of electroconvulsive shock and antidepressant drugs on serotonin-2 receptors in rat brain. Kellar KJ, et al. **Eur J Pharmacol** 1981 Feb 19;69(4):515–8

ANALYSIS

Receptors for 5-hydroxytryptamine in rabbit isolated ear artery and aorta. Purdy RE, et al. **Blood Vessels** 1981; 18(1–2):16–27

Separate 5-hydroxytryptamine receptors on the salivary gland of the blowfly are linked to the generation of either cyclic adenosine 3',5'-monophosphate or calcium signals. Berridge MJ, et al. **Br J Pharmacol** 1981 Jul;73(3):729–38

Serotonin receptors in hippocampus and frontal cortex. Seeman P, et al. **Eur J Pharmacol** 1980 Aug 29; 66(2–3):179–91

Discrimination of multiple [3H]5-hydroxytryptamine binding sites by the neuroleptic spiperone in rat brain. Pedigo NW, et al. **J Neurochem** 1981 Jan;36(1):220–6

Reduction in the number of serotonin receptors in the brainstem of morphine dependent rats: relation to blockade of naloxone precipitated jumping by serotonin agonists. Samanin R, et al. **Life Sci** 1980 Sep 29;27(13):1141–6

ANTAGONISTS & INHIBITORS

Vascular activity of ketanserin (R 41 468), a selective 5-HT2 receptor antagonist. Van Nueten JM, et al. **Arch Int Pharmacodyn Ther** 1981 Apr;250(2):328–9

DRUG EFFECTS

Central pre- and postsynaptic monoamine receptors in antidepressant therapy. Svensson TH, et al. **Acta Psychiatr Scand [Suppl]** 1981;63(Suppl 290):67–78

The antihypertensive effects of a pure and selective serotonin-receptor blocking agent (R 41 468) in elderly patients. De Cree J, et al. **Angiology** 1981 Feb;32(2):137–44

Quantum chemical studies on molecular determinants for drug action. Weinstein H, et al. **Ann NY Acad Sci** 1981; 367:434–51

Serotonin nerve endings and regulation of pupillary diameter. Moro F, et al. **Ann Ophthalmol** 1981 Apr;13(4):487–90

Modulation of serotonergic receptors by exogenous cholesterol in the dog synaptosomal plasma membrane. Papaphilis A, et al. **Biochem Pharmacol** 1980 Dec; 29(24):3325–7

5-Hydroxytryptamine induces relaxation of goat pulmonary veins: evidence for the noninvolvement of M and D-tryptamine receptors. Chand N. **Br J Pharmacol** 1981 Feb;72(2):233–7

Different hypothalamic receptors mediate 5-hydroxytryptamine- and tryptamine-induced core temperature changes in the rat. Cox B, et al. **Br J Pharmacol** 1981 Mar;72(3):477–82

A behavioural and biochemical study in rats of 5-hydroxytryptamine receptor agonists and antagonists, with observations on structure-activity requirements for the agonists. Green AR, et al. **Br J Pharmacol** 1981 Jul; 73(3):703–19

Effect of intracisternal 5,-7-dihydroxytryptamine on the acute antihypertensive action of propranolol in the sino-aortic denervated anaesthetized dog. Montastruc JL, et al. **Br J Pharmacol** 1981 Mar;72(3):411–7

[3H]5-HT binding sites and 5-HT-sensitive adenylate cyclase in glial cell membrane fraction. Fillion G, et al. **Brain Res** 1980 Oct 6;198(2):361–74

Supersensitivity of nigral serotonin receptors and rat rotational behaviour. Blackburn TP, et al. **Eur J Pharmacol** 1981 May 8;71(2–3):343–6

Lack of modulation by presynaptic alpha 2-adrenoceptors of adrenergic transmitters release evoked by activation of 5-hydroxytryptamine and nicotine receptors. Carr SR, et al. **Eur J Pharmacol** 1981 Jun 10;72(1):27–34

Effects of fluoxetine on a specific serotonergic syndrome in rats. Keshavan HJ, et al. **Indian J Med Res** 1981 Apr; 73:653–7

Ergometrine contracts isolated canine coronary arteries by a serotonergic mechanism: no role for alpha adrenoceptors. Brazenor RM, et al. **J Pharmacol Exp Ther** 1981 Aug; 218(2):530–6

Dual actions of lysergic acid diethylamide tartrate (LSD), 2-bromo-D-lysergic acid diethylamide bitartrate (BOL) and methysergide on dorsal root potentials evoked by stimulation of raphe nuclei. Larson AA, et al. **J Pharmacol Exp Ther** 1981 Apr;217(1):99–104

Regulation of serotonin2 (5-HT2) receptors labeled with [3H]spiroperidol by chronic treatment with the antidepressant amitriptyline. Peroutka SJ, et al. **J Pharmacol Exp Ther** 1980 Dec;215(3):582–7

[3H]Mianserin: differential labeling of serotonin and histamine receptors in rat brain. Peroutka SJ, et al. **J Pharmacol Exp Ther** 1981 Jan;216(1):142–8

The interaction of lisuride, an ergot derivative, with serotonergic and dopaminergic receptors in rabbit brain. Rosenfeld MR, et al. **J Pharmacol Exp Ther** 1981 Mar; 216(3):526–31

5-Hydroxytryptamine-induced hypothermia in rats as an in vivo model for the quantitative study of 5-hydroxytryptamine receptors. Cox B, et al. **J Pharmacol Methods** 1981 Jan;5(1):43–51

Type 2 serotonin receptors and heart failure [letter] Jenkins RM. **Lancet** 1981 Aug 8;2(8241):307

Morphine acts through alpha adrenergic and serotoninergic neurons to stimulate growth hormone secretion in the dog. Farris TS, et al. **Life Sci** 1980 Oct 6;27(14):1345–9

Effect of chronic tricylic antidepressant treatment on the serotoninergic autoreceptor: a microiontophoretic study in the rat. Blier P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Nov; 314(2):123–8

Serotonergic and noradrenergic mechanisms involved in the cardiovascular effects of angiotensin II injected into the anterior hypothalamic preoptic region of rats. Benarroch EE, et al. **Neuropharmacology** 1981 Jan;20(1):9–13

Influence of a chronic new potential antidepressant, 1-[3-(dimethylamino)propyl]-5-methyl-3-phenyl-1H-ind and its N-desmethylated compound(FS97): treatment on monoaminergic receptor sensitivity in the rat brain. Koide T, et al. **Neuropharmacology** 1981 Mar;20(3):285–92

Serotonergic mechanisms of clonidine-induced hypothermia in rats. Lin MT, et al. **Neuropharmacology** 1981 Jan; 20(1):15–21

Actions of tetrahydronorharmane (tetrahydro-beta-carboline) on 5-hydroxytryptamine and dopamine mediated mechanisms. Pannier L, et al. **Neuropharmacology** 1981 Jan;20(1):1–8

Antidepressants and serotonin neurons of the raphe. Constantinidis J, et al. **Neuropsychobiology** 1981;7(3):113–21

DOM and related 2,5-dimethoxy-4-alkylphenylisopropylamines: behavioral and serotonin receptor properties. Glennon RA, et al. **Pharmacol Biochem Behav** 1981 Mar;14(3):287–92

Central serotoninmimetic action of phenylpiperazines. Maj J, et al. **Pol J Pharmacol Pharm** 1980 Jul–Aug; 32(4):495–504

Central action of mepiprazole. Maj J, et al. **Pol J Pharmacol Pharm** 1980 Jul–Aug;32(4):475–84

Effect of chloro-N-desmethyldiazepam on serum and brain tryptophan and serotonin in relation to the activity of central serotonergic neurons. Valzelli L, et al. **Pol J Pharmacol Pharm** 1981 Jan–Feb;33(1):37–42

Serotonin receptor site in human platelets from control and chlorpromazine treated subjects. Oppenheim B, et al. **Prog Biochem Pharmacol** 1980;16:119–32

Evidence that it is possible to cause anorexia by increasing release and/or directly stimulating postsynaptic serotonin receptors in the brain. Samanin R, et al. **Prog Neuropsychopharmacol** 1980;4(4–5):363–9

Differential effect of chronic desipramine and amitriptyline treatment on rat brain adrenergic and serotonergic receptors. Tang SW, et al. **Psychiatry Res** 1981 Apr; 4(2):129–38

Effects of electroconvulsive treatment on growth hormone secretion induced by monoamine receptor agonists in reserpine-pretreated rats. Balldin J, et al. **Psychoneuroendocrinology** 1980 Dec;5(4):329–37

Hallucinogenic agents as discriminative stimuli: a correlation with serotonin receptor affinities. Glennon RA, et al. **Psychopharmacology (Berlin)** 1980;68(2):155–8

Effect of 5,7-dihydroxytryptamine on serotonergic control of prolactin secretion and behavior in rats. Kuhn CM, et al. **Psychopharmacology (Berlin)** 1981;73(2):188–93

Effects of zimelidine on serotoninergic and noradrenergic neurons after repeated administration in the rat. Ross SB, et al. **Psychopharmacology (Berlin)** 1981;72(3):219–25

Imipramine: effect of ovarian steroids on modifications in serotonin receptor binding. Kendall DA, et al. **Science** 1981 Mar 13;211(4487):1183–5

Long-term antidepressant treatment decreases spiroperidol-labeled serotonin receptor binding. Peroutka SJ, et al. **Science** 1980 Oct 3;210(4465):88–90

[In-vitro evaluation of morphine dependence. II. Response of the fat 'fundus' to 5-HT] Eandi M, et al. **Boll Soc Ital Biol Sper** 1979 Sep 15;55(17):1680–6 (Eng. Abstr.) **(Ita)**

[Effect of structural analogs of gamma-aminobutyric acid on serotonin- and dopaminergic mechanisms] Nurmand LB, et al. **Farmakol Toksikol** 1980 May–Jun;43(3):288–91 (Eng. Abstr.) **(Rus)**

GENETICS

[Genetics and phenogenetics of the hormonal characteristics of animals. VI. Functional activity of certain chemoreceptors connected with the pituitary-adrenal system of silver foxes selected for their behavior] Naumenko EV, et al. **Genetika (Moskva)** 1980; 16(10):1857–64 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Solubilization of serotonin receptors from rat frontal Cortex. Ilien B, et al. **Biochem Pharmacol** 1980 Dec;29(24):3341–4

METABOLISM

Presence of histamine and serotonin receptors associated with adenylate cyclase in cultured calf-aorta smooth muscle cells. Pharmacological characterization of the histamine response. Luchins AR, et al. **Biochem Pharmacol** 1980 Dec 1;29(23):3155–61

Serotonin-sensitive adenylate cyclase and [3H]serotonin binding sites in the CNS of the rat—I. Nelson DL, et al. **Biochem Pharmacol** 1980 Sep 15;29(18):2445–53

Serotonin-sensitive adenylate cyclase and [3H]serotonin binding sites in the CNS of the rat—II. Respective regional and subcellular distributions and ontogenetic developments. Nelson DL, et al. **Biochem Pharmacol** 1980 Sep 15; 29(18):2455–63

3H-Mianserin binding in calf caudate: possible involvement of serotonin receptors in anti-depressant drug action. Whitaker PM, et al. **Biochem Pharmacol** 1980 Oct 1; 29(19):2709–12

Serotonin binding to different regions of human brain. Heltzel JA, et al. **Brain Res** 1980 Jan 21;204(2):451–4

Two distinct serotonin receptors: regional variations in receptor binding in mammalian brain. Peroutka SJ, et al. **Brain Res** 1981 Mar 16;208(2):339–47

The maturation of cortical serotonin binding sites. Uphouse LL, et al. **Brain Res** 1981 Jun;227(3):415–7

On the mode of the prolactin release-inhibiting action of the serotonin receptor blockers metergoline, methysergide, and cyproheptadine. Krulich L, et al. **Endocrinology** 1981 Apr;108(4):1115–24

Oestrogen and progesterone change the binding characteristics of alpha-adrenergic and serotonin receptors on rabbit platelets. Elliott JM, et al. **Eur J Pharmacol** 1980 Aug 22;66(1):21–30

Does [3H]spiroperidol label a 5-HT receptor in the frontal cortex of the rat? Middlemiss DN, et al. **Eur J Pharmacol** 1980 Aug 29;66(2–3):253–4

Human platelet 5HT receptors: characterisation and functional association. Peters JR, et al. **Eur J Pharmacol** 1980 Dec 5;68(3):243–56

The [3H]5-HT and [3H]spiroperidol binding sites in the rat frontal cortex and thermally inactivated at different rates. Poller D, et al. **Eur J Pharmacol** 1981 Jun 10;72(1):121–3

Demethyl analogues of psychoactive methoxyphenalkylamines: synthesis and serotonin receptor affinities. Glennon RA, et al. **J Med Chem** 1980 Sep; 23(9):990–4

Transitional states of central serotonin receptors in Parkinson's disease. Kienzl E, et al. **J Neural Transm** 1981; 51(1–2):113–22

[3H]Metergoline: a new ligand of serotonin receptors in the rat brain. Hamon M, et al. **J Neurochem** 1981 Feb; 36(2):613–26

Localisation of tricyclic antidepressant binding sites on serotonin nerve terminals. Sette M, et al. **J Neurochem** 1981 Jul;37(1):40–2

Subsensitivity to 5-hydroxytryptamine agonists occurs in streptozocin-diabetic rats with no change in [3H]-5-HT receptor binding. Trulson ME, et al. **J Pharm Pharmacol** 1981 Jul;33(7):472–4

Fast axonal transport of foreign transmitters in an identified serotonergic neurone of Aplysia californica. Goldberg DJ, et al. **J Physiol (Lond)** 1980 Oct;307:259–72

Receptor binding profile of R 41 468, a novel antagonist at 5-HT2 receptors. Leysen JE, et al. **Life Sci** 1981 Mar 2; 28(9):1015–22

Characteristics of serotonin receptors in the rat brain. Hamon M, et al. **Monogr Neural Sci** 1980;7:161–75

Modulation of affinity of postsynaptic serotonin receptors by antidepressant drugs. Fillion G, et al. **Nature** 1981 Jul 23;292(5821):349–51

Treatment with trazodone plus phenoxybenzamine

accelerates development of decreased type 2 serotonin binding in rat cortex. Taylor DP, et al. **Neuropharmacology** 1981 May;20(5):513–6

Tonic immobility in domestic fowl: possible interaction of serotonergic and dopaminergic mechanisms. Wallnau LB, et al. **Pharmacol Biochem Behav** 1981 Apr;14(4):469–73

The effects of tryptophan and manipulations of serotonergic receptors on tonic immobility in chickens. Wallnau LB, et al. **Pharmacol Biochem Behav** 1981 Apr;14(4):463–8

Lipid fluidity markedly modulates the binding of serotonin to mouse brain membranes. Heron DS, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7463–7

Resolution of dopamine and serotonin receptor components of [3H]spiperone binding to rat brain regions. List SJ, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2620–4

[Interaction of indoleamines with serotonergic receptors of brain synaptosomes] Uzbekov MG, et al. **Biokhimiia** 1980 Jan;45(1):109–12 (Eng. Abstr.) **(Rus)**

[Serotonin and D-lysergic acid diethylamide receptors in the mammalian brain] Vlasova TI, et al. **Biol Nauki** 1981; (5):5–16 (87 ref.) **(Rus)**

PHYSIOLOGY

Serotonin receptors subserve only contraction in canine and rat pulmonary arteries and veins. Chand N, et al. **Artery** 1980;7(3):232–45

Hypothalamic serotoninergic receptors in negative feed-back regulation of pituitary-testicular axis in rats. Naumenko EV, et al. **Endocrinol Exp (Bratisl)** 1980 Sep;14(3):207–13

Characterisation of inhibitory 5-hydroxytryptamine receptors that modulate dopamine release in the striatum. Ennis C, et al. **J Neurochem** 1981 Apr;36(4):1515–20

Evidence for 5-HT2 receptors mediating contraction in vascular smooth muscle. Cohen ML, et al. **J Pharmacol Exp Ther** 1981 Aug;218(2):421–5

Electrophysiological evidence for the existence of separate receptor mechanisms mediating the action of 5-hydroxytryptamine. Berridge MJ. **Mol Cell Endocrinol** 1981 Jul;23(1):91–104

Serotonin-receptor-mediated modulation of Ca2+-dependent 5-hydroxytryptamine release from neurones of the rat brain cortex. Göthert M. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Nov; 314(3):223–30

The Yawning elicited by alpha-melanocyte-stimulating hormone involves serotonergic-dopaminergic-cholinergic neuron link in rats. Yamada K, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Apr; 316(2):155–60

Neuronal links in the CNS: focus on dopaminergic and serotonergic regulation of striatal cholinergic neurons. Garattini S, et al. **Pol J Pharmacol Pharm** 1980 Mar–Apr; 32(2):155–64

Central serotonin receptor sensitivity in rats with experimental allergic encephalomyelitis. White SR, et al. **Res Commun Chem Pathol Pharmacol** 1980 Nov; 30(2):269–81

Two distinct central serotonin receptors with different physiological functions. Peroutka SJ, et al. **Science** 1981 May 15;212(4496):827–9

RADIATION EFFECTS

Synaptic remodeling of serotonin axon terminals in rat agranular cerebellum. Beaudet A, et al. **Brain Res** 1981 Feb 16;206(2):305–29

RECEPTORS, STEROID

Estramustine-binding protein (EMBP). Högberg B. **Acta Urol Belg** 1980 Jan;48(1):123–32

Evidence for a steroid receptor in rheumatoid synovial tissue cells. Braidman IP, et al. **Agents Actions [Suppl]** 1980; 7:233–6

Biochemical and biophysical characterization of glucocorticoid receptors in normal lymphoid tissue. McCaffrey R, et al. **Blood** 1981 Aug;58(2):263–7

Clinical implications of glucocorticoid receptor studies in childhood acute lymphoblastic leukemia. Mastrangelo R, et al. **Blood** 1980 Dec;56(6):1036–40

Glucocorticoid receptors in normal human eosinophils: comparison with neutrophils. Peterson AP, et al. **J Allergy Clin Immunol** 1981 Sep;68(3):212–7

Glucocorticoid receptors and in vitro corticosensitivity of peanut-positive and peanut-negative human thymocyte subpopulations. Ranelletti FO, et al. **J Immunol** 1981 Sep; 127(3):849–55

ANALYSIS

Physicochemical characterization of the cytosol glucocorticoid receptors in various lymphoid tissues. Arányi P, et al. **Acta Biochim Biophys Acad Sci Hung** 1980; 15(3):185–98

Androgen and glucocorticoid receptors in rat skeletal muscle. Dahlberg E, et al. **Acta Chem Scand [B]** 1980;34(2):141–3

Effect of receptor occupancy on [3H]dexamethasone binding to circulating leukocytes. Murakami T, et al. **Acta Endocrinol (Copenh)** 1980 Jul;94(3):376–80

Receptor-like binding proteins for testosterone and progesterone in the human ovary. Milwidsky A, et al. **Am J Obstet Gynecol** 1980 Sep 1;138(1):93–8

Normal glucocorticoid receptor numbers in a child with glucocorticoid-resistant relapsed acute lymphocytic leukemia. Wells RJ, et al. **Am J Pediatr Hematol Oncol** 1981 Spring;3(1):3–7

Apparent nuclear localization of unoccupied receptors for 1,25-dihydroxyvitamin D3. Walters MR, et al. **Biochem Biophys Res Commun** 1981 Feb 27;98(4):990–6

A high-affinity cytosol binding protein for 1 alpha,25-dihydroxycholecalciferol in the uterus of Japanese quail. Takahashi N, et al. **Biochem J** 1980 Sep 15; 190(3):513–8

Glucocorticoid receptors and sensitivity in leukemias. Ho AD, et al. **Blut** 1981 Mar;42(3):183–90

Steroid receptors in adjuvant hormonal therapy for breast cancer. Goldie JH, et al. **Can J Surg** 1981 May;24(3):290–3

The occurrence of multiple steroid hormone receptors in disease-free and neoplastic human ovary. Galli MC, et al. **Cancer** 1981 Mar 15;47(6):1297–302

Hydrophilic macromolecules of steroid derivatives for the detection of cancer cell receptors. Lee SH. **Cancer** 1980 Dec 15;46(12 Suppl):2825–8

Sex steroid receptor analysis in human melanoma. McCarty KS Jr, et al. **Cancer** 1980 Sep 15;46(6):1463–70

Glucocorticoid receptors and terminal deoxynucleotidyl transferase activities in leukemic cells. Nakao Y, et al. **Cancer** 1981 Apr 1;47(7):1812–7

Quantitative characterization of hormone receptors. Rodbard D, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2907–18

Quality control in steroid hormone receptor assays. Smith RG. **Cancer** 1980 Dec 15;46(12 Suppl):2946–9

quality control in steroid hormone receptor analyses. Wagner RK, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2950–2

Steroid receptor interactions in human breast carcinoma. Wittliff JL. **Cancer** 1980 Dec 15;46(12 Suppl):2953–60

Mammary carcinogenesis in Sprague—Dawley rats following 3 repeated exposures to 14.8 MeV neutrons and steroid receptor content of these tumor types. Jacrot M, et al. **Cancer Lett** 1979 Dec;8(2):147–53

Glucocorticoid receptors in human tumors. Liu SH, et al. **Cancer Lett** 1980 Sep;10(3):269–75

Nuclear androgen receptors in human prostatic tissue. Extraction with heparin and estimation of the number of binding sites with different methods. Foekens JA, et al. **Clin Chim Acta** 1981 Jan 8;109(1):91–102

Organ distribution of the cytoplasmic 1,25-dihydroxycholecalciferol receptor in various mouse tissues. Colston K, et al. **Endocrinology** 1980 Dec; 107(6):1916–22

Level of glucocorticoid receptors in male rat liver under stress. Golikov PP, et al. **Endokrinologie** 1981;77(1):105–8

High yield of primary serially transplanted hamster renal carcinoma: steroid receptor and morphologic characteristics. Li JJ, et al. **Eur J Cancer** 1980 Sep; 16(9):1119–25

Relationship between prostatic cytoplasmic and nuclear androgen receptors in patients with carcinoma of the prostate. Ghanadian R, et al. **Eur Urol** 1981;7(1):39–40

Localization of androgen receptors in mouse thymus. Vojtíšková M, et al. **Folia Biol (Praha)** 1981;27(3):203–8

Identification and partial characterization of glucocorticoid receptors in human liver. Bojar H, et al. **Hepatogastroenterology** 1980 Jun;27(3):176–82

Detection and partial characterization of glucocorticoid-binding components in hepatic metastases of human bronchial and gastric carcinoid tumors. Bojar H, et al. **Hepatogastroenterology** 1980 Jun;27(3):183–8

Glucocorticoid receptors and glucocorticoid sensitivity of human leukemic cells. Kontula K, et al. **Int J Cancer** 1980 Aug;26(2):177–83

Effect of endocrine manipulations on the levels of cytosolic and nuclear receptors for androgens in dog prostate. Dube JY, et al. **Invest Urol** 1981 May;18(8):418–21

Methods for the determination of androgen receptor content in human prostatic tissue. Trachtenberg J, et al. **Invest Urol** 1981 Mar;18(5):349–54

Multiple steroid hormone receptors in normal and abnormal human endometrium. Prodi G, et al. **J Cancer Res Clin Oncol** 1980;98(2):173–83

Steroid receptors and response to endocrine treatment and chemotherapy of advanced breast cancer. von Maillot K, et al. **J Cancer Res Clin Oncol** 1980;98(3):301–13

The ontogeny of the androgen receptor in human foreskin. Fichman KR, et al. **J Clin Endocrinol Metab** 1981 May; 52(5):919–23

Molybdate and the measurements of androgen receptors in prostate cancer. Hawkins EF, et al. **J Clin Endocrinol Metab** 1981 Aug;53(2):456–8

Distribution of acceptor sites for androgen-receptor complexes between transcriptionally active and inactive fractions of rat ventral prostate chromatin. Davies P, et al. **J Endocrinol** 1980 Nov;87(2):225–40

Histochemical analyses of steroid hormone receptors in breast and prostatic carcinoma. Pertschuk LP, et al. **J Histochem Cytochem** 1980 Aug;28(8):799–810

Immunoassay of serum alphafetoprotein and albumin reflects the mode of tissue preparation: implications for steroid hormone receptor assays. Linkie DM, et al. **J Immunoassay** 1980;1(2):271–84

Practical and theoretical aspects in the analysis of steroid receptors. Braunsberg H, et al. **J Steroid Biochem** 1980 Oct;13(10):1133–45

Corticosterone receptors in the avian kidney. Charest-Boulé L, et al. **J Steroid Biochem** 1980 Aug;13(8):897–905

Synthesis of fluorescein labelled steroid hormone-albumin conjugates for the fluorescent histochemical detection of hormone receptors. Gaetjens E, et al. **J Steroid Biochem** 1980 Aug;13(8):1001–3

Aldosterone receptor assay in rat kidney cytosol. Grekin RJ, et al. **J Steroid Biochem** 1980 Jul;13(7):835–7

Differences in corticosterone binding by regions of the central nervous system in normal and diabetic rats. Tornello S, et al. **J Steroid Biochem** 1981 Jan;14(1):77–81

Steroid receptors in human fetal lung [letter] Szabó I, et al. **Lancet** 1980 Oct 4;2(8197):751–2

Morphologic assay of steroid hormone receptors in human neoplasia. Pertschuk LP, et al. **Pathol Annu** 1980;15(Pt 2):143–80 (101 ref.)

Development of an [3H] glucocorticoid exchange assay in rat liver cytosol. Banerji A, et al. **Steroids** 1981 Apr; 37(4):409–21

Distribution of steroid hormone receptors in human soft tissue sarcomas. Chaudhuri PK, et al. **Surgery** 1981 Aug; 90(2):149–53

Correlation between clinical response to antiandrogenic therapy and occurrence of receptors in human prostatic cancer. Martelli A, et al. **Urology** 1980 Sep;16(3):245–9

[Cytoplasmic localization of mammary carcinoma steroid receptors by histofluorescence (author's transl)] Berger G, et al. **Arch Anat Cytol Pathol** 1980;28(6):341–5 (Eng. Abstr.) **(Fre)**

[Androgen receptors in the fetus of a primate (Macaca fascicularis) : preliminary results] Sultan C, et al. **C R Soc Biol (Paris)** 1981;175(2):208–12 (Eng. Abstr.) **(Fre)**

[Analyses of steroid hormone receptors in human kidney neoplasms. A molecular biological contribution to the hormone therapy of hypernephroid kidney carcinoma] Maar K. **Fortschr Med** 1980 Aug 21;98(30–31):1169–72 **(Ger)**

[Steroid receptor levels in human breast carcinomas in relation to serum hormone levels in postmenopausal patients (author's transl)] Reiner G, et al. **Wien Klin Wochenschr** 1981 May 29;93(11):339–42 (Eng. Abstr.) **(Ger)**

[Significance of the determination of steroid receptors in breast cancer] Hegedüs C, et al. **Orv Hetil** 1981 Mar 22; 122(12):685–8U **(Hun)**

[A study of the effect of dihydrotestosterone on cultured human fibroblasts—with special reference to the hormone effect on the synthesis of proteins, collagen and DNA in fibroblasts (author's transl)] Ozasa H, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Oct; 32(10):1567–74 (Eng. Abstr.) **(Jpn)**

[Specific cytoplasmic glucocorticoid receptors of the rat liver in immobilization stress] Golikov PP, et al. **Patol Fiziol Eksp Ter** 1980 Nov–Dec;(6):20–4 (Eng. Abstr.) **(Rus)**

[Glucocorticoid receptor content in the cytoplasm of human peripheral leukocytes] Golikov PP. **Probl Gematol Pereliv Krovi** 1981 Feb;26(2):22–5 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

The function of vitamin B6 coenzyme in the activation and nuclear binding of steroids receptors. **Nutr Rev** 1980 Oct; 38(10):350–2

BIOSYNTHESIS

In Vitro biosynthesis of adipocyte proteins having the characteristics of glucocorticoid receptors. Chang WC, et al. **Biochim Biophys Acta** 1980 Sep 17;632(1):58–72

Biosynthetic rates of proteins having the characteristics of glucocorticoid receptors in adipocytes of mature and senescent rats. Chang WC, et al. **J Gerontol** 1981 Jul; 36(4):386–90

BLOOD

Evaluation of sera of various origin as sources of binding protein for the assay of 25-hydroxyvitamin D. Loré F, et al. **Boll Soc Ital Biol Sper** 1980 Nov 15;56(21):2210–2

DRUG EFFECTS

Effects of two histamine H2-receptor blocking drugs on basal levels of gonadotrophins, prolactin, testosterone and oestradiol-17 beta during treatment of duodenal ulcer in male patients. Peden NR, et al. **Acta Endocrinol (Copenh)** 1981 Apr;96(4):564–8

Glucocorticoid receptors and inhibition of neonatal mouse dermal fibroblast growth in primary culture. Verbruggen LA, et al. **Arch Dermatol Res** 1980;269(2):111–26

Protection of steroid hormone receptors by protease inhibitors. Hazato T, et al. **Biochem Biophys Res Commun** 1981 Jan 30;98(2):488–93

Pyridoxal phosphate induced alterations in glucocorticoid receptor metabolism by proteases. Cidlowski JA. **Biochemistry** 1980 Dec 23;19(26):6162–70

A specific adenine nucleotide effect on the rat liver glucocorticoid receptor, demonstrated by aqueous two-phase partitioning. Andreasen PA. **Biochim Biophys Acta** 1981 Aug 17;676(2):205–12

Effects of deoxyribonuclease I and micrococcal nuclease on the release of dexamethasone-receptor complex from nuclei of sensitive and insensitive hepatoma cell lines. Taira M,

et al. **Biochim Biophys Acta** 1981 Apr 17;674(1):144–54

The effect of thymosin on glucocorticoid receptors in lymphoid cells. Osheroff PL. **Cell Immunol** 1981 May 15; 60(2):376–85

Effect of testosterone on the androgen receptor in the liver cytosol and nuclei of castrated male rats. Sato N, et al. **Endocr Res Commun** 1980;7(4):241–52

Effect of sodium molybdate on cytosolic androgen receptors in rat prostate. Gaubert CM, et al. **J Steroid Biochem** 1980 Aug;13(8):931–7

Deacylcortivazol acts through glucocorticoid receptors. Harmon JM, et al. **J Steroid Biochem** 1981 Mar;14(3):273–9

Effect of cortisol, T3 and T4, on the glucocorticoid receptor concentration in leukocytes. Murakami T, et al. **J Steroid Biochem** 1980 Sep;13(9):1125–7

Effects of tamoxifen, stilbestrol and metyrapone on binding of various steroids to cytosol receptors in human breast cancer cytosols. Konishi Y. **Kobe J Med Sci** 1981 Jun; 27(3):103–12

A sex difference in the progestin receptor system of guinea pig brain. Blaustein JD, et al. **Neuroendocrinology** 1980 Dec;31(6):403–9

[Usefulness of molybdate in the determination of androgen receptors in various tissues] Dubé JY, et al. **Union Med Can** 1980 Apr;109(4):495–7 (Eng. Abstr.) **(Fre)**

[Glucocorticoid receptors in acute childhood leukemia] Náray A, et al. **Orv Hetil** 1980 Dec 28;121(52):3175–6 **(Hun)**

[Effect of phytohemmaglutinin and hydrocortisone on the glucocorticoid receptor level and DNA synthesis in human peripheral blood lymphocytes] Golikov PP, et al. **Probl Gematol Pereliv Krovi** 1980 Sep;25(9):46–8 (Eng. Abstr.) **(Rus)**

GENETICS

An H-2 linked difference in the binding of dexamethasone to murine hepatic cytosol receptor. A possible role of endogenous modifier(s). Katsumata M, et al. **Biochim Biophys Acta** 1981 Aug 17;676(2):245–56

Chromosome assignment of a murine glucocorticoid receptor gene (Grl-1) using intraspecies somatic cell hybrids. Francke U, et al. **Cell** 1980 Dec;22(3):657–64

Glucocorticoid-induced lymphocytolysis: state of the genetic analysis. Bourgeois S. **J Supramol Struct** 1980;13(3):401–10

The extraction by micrococcal nuclease of glucocorticoid receptors and mouse mammary tumor virus DNA sequences is dissociated. André J, et al. **Nucleic Acids Res** 1980 Aug 11;8(15):3393–411

Quantitative variation in hormonal receptors and clefting in the mouse. Goldman AS, et al. **Prog Clin Biol Res** 1980; 46:91–120 (62 ref.)

IMMUNOLOGY

Immunochemical differences between glucocorticoid receptors from corticoid-sensitive and -resistant malignant lymphocytes. Stevens J, et al. **Cancer Res** 1981 Jan; 41(1):134–7

Glucocorticoid receptor content of T lymphocytes: evidence for heterogeneity. Distelhorst CW, et al. **J Immunol** 1981 Apr;126(4):1630–4

An antiserum to the rat liver glucocorticoid receptor. Eisen HJ. **Proc Natl Acad Sci USA** 1980 Jul;77(7):3893–7

ISOLATION & PURIFICATION

Evidence for an androgen receptor in the human placenta. McCormick PD, et al. **Am J Obstet Gynecol** 1981 May 1;140(1):8–13

Dihydrotestosterone receptors in the human prostate. I. Nuclear concentration in normal, benign, and malignant tissues. Lehoux JG, et al. **Arch Androl** 1980 Nov; 5(3):237–48

Isolation of an androgen acceptor from salt extract of rat prostatic chromatin. Hiremath ST, et al. **Biochem Biophys Res Commun** 1980 Dec 16;97(3):981–6

Aqueous two-phase partition studies of the glucocorticoid receptor: activation and pH-dependent changes of rat liver glucocorticoid-receptor complex in partly purified preparations. Andreasen PA, et al. **Biochim Biophys Acta** 1980 Aug 13;631(2):334–49

Isolation and characterization of rat liver nuclear glucocorticoid receptor. Govindan MV. **Biochim Biophys Acta** 1980 Aug 13;631(2):327–33

Isoelectric focusing of androgen receptors from wild-type and Tfm mouse kidneys. Fox TO, et al. **Endocrinology** 1981 Sep;109(3):790–7

Three-step purification of glucocorticoid receptors from rat liver. Govindan MV, et al. **Eur J Biochem** 1980; 108(1):47–53

Dexamethasone-binding proteins in cytosol and nucleus of rat thymocytes. Purification of three receptor proteins. Tsawdaroglou NG, et al. **Eur J Biochem** 1981; 114(2):305–13

Cytosol receptor glycoprotein for 1 alpha-hydroxycorticosterone in tissues of an elasmobranch fish (Raja ocellata). Idler DR, et al. **Gen Comp Endocrinol** 1980 Oct;42(2):259–66

METABOLISM

Stroma of human benign prostatic hyperplasia: preferential tissue for androgen metabolism and oestrogen binding. Krieg M, et al. **Acta Endocrinol (Copenh)** 1981 Mar; 96(3):422–32

Effects of glucocorticosteroids on prolactin and growth hormone production and characterization of the intracellular hormone receptors in rat pituitary tumour cells. Naess O, et al. **Acta Endocrinol (Copenh)** 1980 Nov; 95(3):319–27

Corticosteroid-binding studies in cytosol of colonic mucosa of the rat. Marusic ET, et al. **Am J Physiol** 1981 Jun; 240(6):G417–23

Glucocorticoid receptors in rat kidney cortical tubules enriched in proximal and distal segments. Mishina T, et al. **Am J Physiol** 1981 Jan;240(1):F38–45

Androgen receptor deficiency: testicular feminization, its variants, and differential diagnosis. Bardin CW, et al. **Ann Clin Res** 1980 Oct;12(5):236–42 (50 ref.)

Glucocorticoid receptors and their role in human disease. Kontula K. **Ann Clin Res** 1980 Oct;12(5):223–35 (130 ref.)

Sex steroid hormone receptors and human prostatic hyperplasia and carcinoma. Robel P. **Ann Clin Res** 1980 Oct;12(5):216–22 (53 ref.)

Steroid receptors in normal, hyperplastic and malignant human endometria. Vihko R, et al. **Ann Clin Res** 1980 Oct; 12(5):208–15 (58 ref.)

Multiple forms of glucocorticosteroid receptors in the neural retina of chick embryo, revealed by polyacrylamide gel electrophoresis. Ben-Or S, et al. **Arch Biochem Biophys** 1981 Feb;206(2):318–30

Activation of liver and kidney glucocorticoid-receptor complexes occurs in vivo. Marković RD, et al. **Arch Biochem Biophys** 1980 Jul;202(2):374–9

Effects of neonatal castration and androgenization on the contents of androgen-binding sites of rat pituitary. de Souza Valle LB, et al. **Arch Int Physiol Biochim** 1981 Feb; 89(1):85–7

Glucocorticoid hormones are successively present in two sites with different accessibilities to nucleases in chromatin from HTC cells. Defer N, et al. **Biochem Biophys Res Commun** 1981 Jan 15;98(1):169–75

Interaction of ATP with a macromolecular translocation inhibitor of the nuclear binding of 'activated' receptor-glucocorticoid complex. Horiuchi M, et al. **Biochem Biophys Res Commun** 1981 Jan 15;98(1):88–94

Studies on the mode of action of calciferol, XXXII. Evidence for a 24(R),25(OH)2-vitamin D3 receptor in the parathyroid gland of the rachitic chick. Merke J, et al. **Biochem Biophys Res Commun** 1981 May 29;100(2):551–8

Studies on vitamin D3 metabolism. Discrete liver cytosolic binding proteins for vitamin D3 and 25-hydroxyvitamin D3. Miller ML, et al. **Biochem Biophys Res Commun** 1980 Oct 31;96(4):1619–25

Modulation of cortisol receptors in embryonic retina cells by changes in cell-cell contacts: correlations with induction of glutamine synthetase. Saad AD, et al. **Biochem Biophys Res Commun** 1981 Feb 12;98(3):701–8

ATP-dependent activation of glucocorticoid receptor from rat liver cytosol. Moudgil VK, et al. **Biochem J** 1980 Sep 15;190(3):799–808

Interaction of rat liver glucocorticoid receptor with adenosine 5'-triphosphate. Characterization of interaction by use of ATP-sepharose affinity chromatography. Moudgil VK, et al. **Biochem J** 1980 Sep 15;190(3):809–18

Gluco- and mineralocorticoid receptors in human liver and kidney. Paillard J, et al. **Biochem Med** 1980 Oct;24(2):201–9

Effects of calf intestinal alkaline phosphatase, phosphatase inhibitors, and phosphorylated compounds on the rate of activation of glucocorticoid-receptor complexes. Barnett CA, et al. **Biochemistry** 1980 Nov 11;19(23):5446–55

Evidence for a physiological role of corticosteroid binder IB. Marković RD, et al. **Biochemistry** 1980 Sep 30; 19(20):4556–64

Interaction of the activated cytoplasmic glucocorticoid hormone receptor complex with the nuclear envelope. Smith P, et al. **Biochemistry** 1981 May;20(10):2900–8

Binding of dexamethasone and inhibition of transport of 3-O-methylglucose in rat thymocytes. Junker K. **Biochim Biophys Acta** 1981 Apr 3;673(4):517–26

Glucocorticoid hormone receptors in rat pancreas. Svec F, et al. **Biochim Biophys Acta** 1981 Apr 17;674(1):30–6

Binding of the cytotoxic and antitumor triterpenes, cucurbitacins, to glucocorticoid receptors of HeLa cells. Witkowski A, et al. **Biochim Biophys Acta** 1981 May 5; 674(2):246–55

Terminal deoxynucleotidyl transferase activities and glucocorticoid receptors in leukaemia. Sasaki R, et al. **Br J Cancer** 1981 Jul;44(1):63–7

Glucocorticoid receptor concentrations and terminal transferase activity as indicators of prognosis in acute non-lymphocytic leukaemia. Skoog L, et al. **Br Med J [Clin Res]** 1981 Jun 6;282(6279):1826–9

Glucocorticoid receptors in the spinal cord. Clark CR, et al. **Brain Res** 1981 Aug 3;217(2):412–5

Uptake and retention of androgen in neurons of the brain of the golden hamster. Doherty PC, et al. **Brain Res** 1981 Aug 31;219(2):327–34

Age-related changes in the concentrations of cytosol receptors for sex steroid hormones in the hypothalamus and pituitary gland of the rat. Haji M, et al. **Brain Res** 1980 Jan 21;204(2):373–86

Steroid receptors in breast cancer: an NIH Consensus Development Conference, Bethesda, Maryland, June 27–29, 1979. **Cancer** 1980 Dec 15;46(12 Suppl):2759–963

Steroid hormone receptors and clinical usefulness in human breast cancer. Nomura Y, et al. **Cancer** 1980 Dec 15;46(12 Suppl):2880–3

Effect of ovariectomy on hormone receptors and growth of N-nitrosomethylurea-induced mammary tumors in the rat. Arafah BM, et al. **Cancer Res** 1980 Dec;40(12):4628–30

Glucocorticoid receptors and the effect of glucocorticoids on the growth of B16 melanoma. Bhakoo HS, et al. **Cancer Res** 1981 May;41(5):1695–701

Presence of steroid receptors in human soft tissue sarcomas of diverse histological origin. Chaudhuri PK, et al. **Cancer Res** 1980 Mar;40(3):861–5

Calcitonin and 1,25-dihydroxyvitamin D3 receptors in human breast cancer cell lines. Findlay DM, et al. **Cancer Res** 1980 Dec;40(12):4764–7

Glucocorticoid sensitivity and receptors in cells of human myelogenous leukemia lines. Koeffler HP, et al. **Cancer Res** 1980 Mar;40(3):563–6

Relationship of steroid receptor, cell kinetics, and clinical status in patients with breast cancer. Kute TE, et al. **Cancer Res** 1981 Sep;41(9 Pt 1):3524–9

Androgen receptor protein in the androgen-dependent Dunning R-3327 prostate carcinoma. Lea OA, et al. **Cancer Res** 1981 Feb;41(2):619–23

Macromolecular binding of dexamethasone as evidence for the presence of mineralocorticoid receptor in human breast cancer. Martin PM, et al. **Cancer Res** 1981 Mar; 41(3):1222–6

Characterization of glucocorticoid-specific binding in the L2C leukemia. Ruh MF, et al. **Cancer Res** 1981 Jan; 41(1):138–43

Influence of limited proteolysis on the physicochemical and DNA-binding properties of glucocorticoid receptors from corticoid-sensitive and -resistant mouse lymphoma P1798. Stevens J, et al. **Cancer Res** 1981 Jan;41(1):125–33

Isolation of glucocorticoid-unresponsive rat hepatoma cells by fluorescence-activated cell sorting. Grove JR, et al. **Cell** 1980 Aug;21(1):47–56

Examination of glucocorticoid sensitivity and receptor content of hepatoma cell lines. Venetianer A, et al. **Cytogenet Cell Genet** 1980;28(4):280–3

Unaromatized androgen is taken up by the neonatal rat brain: two receptor systems for androgen. Sheridan PJ. **Dev Neurosci** 1981;4(1):46–54

Androgen receptors in the diabetic rat. Tesone M, et al. **Diabetologia** 1980 May;18(5):385–90

Changes in the cytoplasmic androgen receptor of rat ventral prostate after administration of androgens, antiandrogens and anabolic steroids. Ichii S. **Endocrinol Jpn** 1980 Aug; 27(4):483–93

Androgen receptor in serially subcultured human endometrial fibroblasts. Wakimoto H, et al. **Endocrinol Jpn** 1980 Aug; 27(4):477–82

Studies on the mode of action of calciferol. XXIX. Biochemical characterization of 1,25-dihydroxyvitamin D3 receptors in chick pancreas and kidney cytosol. Christakos S, et al. **Endocrinology** 1981 Jan;108(1):140–9

1,25-dihydroxyvitamin D3 and malignant melanoma: the presence of receptors and inhibition of cell growth in culture. Colston K, et al. **Endocrinology** 1981 Mar; 108(3):1083–6

Identification of an 8S androgen receptor-promoting factor that converts the 4.5S form of the androgen receptor to 8S. Colvard DS, et al. **Endocrinology** 1981 Aug; 109(2):496–504

Induction of nuclear androgen-binding sites in epithelium of the embryonic urinary bladder by mesenchyme of the urogenital sinus of embryonic mice. Cunha GR, et al. **Endocrinology** 1980 Dec;107(6):1767–70

Regulation of the androgen and glucocorticoid receptors in rat and mouse skeletal muscle cytosol. Dahlberg E, et al. **Endocrinology** 1981 Apr;108(4):1431–40

Heterogenetiy of glucocorticoid binders: a high affinity triamcinolone acetonide binder in bovine serum. Do Y, et al. **Endocrinology** 1980 Nov;107(5):1370–75

Disuse atrophy of skeletal muscle is associated with an increase in number of glucocorticoid receptors. DuBois DC, et al. **Endocrinology** 1980 Nov;107(5):1649–51

Glucocorticoid receptors of mouse epidermis and dermis. Epstein EH Jr, et al. **Endocrinology** 1981 Feb;108(2):703–11

19-Nor progesterone is a mineralocorticoid agonist. Funder JW, et al. **Endocrinology** 1981 Jul;109(1):313–5

Species-related differences in steroid-binding specificity of glucocorticoid receptors in lung. Giannopoulos G, et al. **Endocrinology** 1981 Apr;108(4):1414–9

Aldosterone receptor measurements during changes in dietary sodium. Grekin RJ, et al. **Endocrinology** 1981 Jan; 108(1):109–12

Binding of [3H]dexamethasone by rat placenta. Heller C, et al. **Endocrinology** 1981 May;108(5):1697–702

Interaction of steroids with dexamethasone-binding receptor and corticosteroid-binding globulin in the mammary gland of the mouse in relation to lactation. Lindenbaum M, et al. **Endocrinology** 1981 Aug;109(2):363–75

Androgen receptor in rat skeletal muscle: characterization and physiological variations. Michel G, et al. **Endocrinology** 1980 Dec;107(6):2088–98

Effect of molybdate on activation and stabilization of steroid receptors. Noma K, et al. **Endocrinology** 1980 Oct; 107(4):1205–11

Changes in specific dexamethasone binding during aging in

WI-38 cells. Rosner BA, et al. **Endocrinology** 1981 May; 108(5):1965–71

Ontogenesis of glucocorticoid receptors in anterior pituitary gland: transient dissociation among cytroplasmic receptor density, nuclear uptake, and regulation of corticotropic activity. Sakly M, et al. **Endocrinology** 1981 Feb; 108(2):591–6

The effects of 1,10-phenanthroline on the binding of activated rat hepatic glucocorticoid-receptor complexes to deoxyribonucleic acid-cellulose. Schmidt TJ, et al. **Endocrinology** 1981 Sep;109(3):803–12

Characterization of the stabilizing effect of sodium molybdate on the androgen receptor present in mouse kidney. Wright WW, et al. **Endocrinology** 1981 Jun;108(6):2210–6

19-nor analogs of adrenal steroids: mineralocorticoid and glucocorticoid receptor activity. Wynne KN, et al. **Endocrinology** 1980 Nov;107(5):1278–80

Evidence for receptor-dependent response to dihydrotestosterone in cultured human fibroblasts. Ozasa H, et al. **Endokrinologie** 1981 Apr;77(2):129–36

Effect of theophylline on binding of cortisol to cytosolic receptors of human leukocytes. Ploc I, et al. **Endokrinologie** 1980 May;76(2):189–9;

Characterization and quantification of the androgen and glucocorticoid receptors in cytosol from rat skeletal muscle. Snochowski M, et al. **Eur J Biochem** 1980 Oct; 111(2):603–16

Translocation of glucocorticoid receptor from the cytoplasm into the nucleus of phytohemagglutinin-stimulated human lymphocytes in the absence of the hormone. Papamichail M, et al. **Exp Cell Res** 1981 Jun;133(2):461–5

Evidence for an unusual multifunctional protoreceptor in hormone action. Agarwal MK, et al. **Experientia** 1980 Aug 15;36(8):1010–2

Translocation of hepatic cytosol androgen receptor to the nucleus in vivo in male rats. Ota M, et al. **Experientia** 1981 Mar 15;37(3):318–9

Radioautographic demonstration of dihydrotestosterone receptor in cultured human fibroblasts. Ozasa H, et al. **Experientia** 1980 Oct 15;36(10):1230–3

Evidence for glucocorticoid receptors in cultured rabbit articular chondrocytes. Blondelon D, et al. **FEBS Lett** 1980 Aug 11;117(1):195–9

Glucocorticoid receptor-mediated stimulation of 5'-nucleotidase in human lymphoblastoid IM-9 cells. Rousseau GR, et al. **FEBS Lett** 1980 Dec 1;121(2):249–52

Influence of pyridoxal 5'-phosphate on the DNA binding activity of steroid hormone receptors and other DNA binding proteins. Westphal HM, et al. **FEBS Lett** 1981 Feb 23;124(2):189–92

Steroid hormone binding receptors in the rat kidney. Davidoff M, et al. **Histochemistry** 1980;69(1):39–48

Intact testosterone receptor complex does not induce RNA synthesis of Tfm-nuclei in multinucleated urethral muscle fibres of mosaic mice. Thiedemann KU, et al. **Histochemistry** 1981;70(2):123–8

The binding of sex steroids to human spermatozoa. An autoradiographic study. Cheng CY, et al. **Int J Androl** 1981 Feb;4(1):1–17

Comparison of steroid receptor levels in renal-cell carcinoma and autologous normal kidney. Hemstreet GP 3d, et al. **Int J Cancer** 1980 Dec 15;26(6):769–75

Steroid receptors in human renal carcinoma. Chen L, et al. **Isr J Med Sci** 1980 Nov;16(11):756–60

Androgen receptor in human placental villi. Hirota K, et al. **J Biochem (Tokyo)** 1981 Jan;89(1):153–60

A low-molecular-weight translocation modulator and its interaction with a macromolecular translocation inhibitor of the activated receptor-glucocorticoid complex. Isohashi F, et al. **J Biochem (Tokyo)** 1980 Sep;88(3):775–81

Occurrence of common binding sites for progestin and glucocorticoid in the lactating mammary gland of the rat. Maki M, et al. **J Biochem (Tokyo)** 1980 Dec;88(6):1845–54

Binding kinetics and physical properties of androgen receptor in androgen-dependent Shionogi mammary carcinoma 115. Nohno T. **J Biochem (Tokyo)** 1981 Feb;89(2):615–23

Regulation of 1,25-dihydroxyvitamin D3 receptors in cultured mouse bone cells. Correlation of receptor concentration with the rate of cell division. Chen TL, et al. **J Biol Chem** 1981 Jun 10;256(11):5561–6

Effect of adrenalectomy and aldosterone on the modulation of mineralocorticoid receptors in rat kidney. Claire M, et al. **J Biol Chem** 1981 Jan 10;256(1):142–7

A specific binding protein for 1 alpha,25-dihydroxyvitamin D in the chick embryo chorioallantoic membrane. Coty WA, et al. **J Biol Chem** 1981 Jun 10;256(11):5545–9

Biochemical evidence for a cytoplasmic 1 alpha,25-dihydroxyvitamin d3 receptor-like protein in rat yolk sac. Danan JL, et al. **J Biol Chem** 1981 May 25; 256(10):4847–50

Appearance of the intestinal cytosolic receptor for 1,25-dihydroxyvitamin D3 during neonatal development in the rat. Halloran BP, et al. **J Biol Chem** 1981 Jul 25; 256(14):7338–42

1,25-dihydroxyvitamin D3 receptors. Differential quantitation of endogenously occupied and unoccupied sites. Hunziker W, et al. **J Biol Chem** 1980 Oct 25; 255(20):9534–7

Inhibition of 5 alpha-reductase, receptor binding, and nuclear uptake of androgens in the prostate by a 4-methyl-4-aza-steroid. Liang T, et al. **J Biol Chem** 1981 Aug 10;256(15):7998–8005

Characterization of a specific, high affinity binding macromolecule for 1 alpha, 25-dihydroxyvitamin D3 in cultured chick kidney cells. Simpson RU, et al. **J Biol Chem** 1980 Nov 10;255(21):10160–6

The effect of temperature and binding kinetics on the competitive binding assay of steroid potency in intact AtT-20 cells and cytosol. Svec F, et al. **J Biol Chem** 1980 Sep 25;255(18):8573–8

Glucocorticoids regulate the glucocorticoid receptor in the AtT-20 cell. Svec F, et al. **J Biol Chem** 1981 Jun 25; 256(12):5984–7

Glucocorticoid receptor activation and inactivation in cultured human lymphocytes. Wheeler RH, et al. **J Biol Chem** 1981 Jan 10;256(1):434–41

Demonstration of 1,25-dihydroxyvitamin D3 receptors in human skin biopsies. Feldman D, et al. **J Clin Endocrinol Metab** 1980 Dec;51(6):1463–5

Glucocorticoid receptors in adrenocorticoid disorders. Kontula K, et al. **J Clin Endocrinol Metab** 1980 Sep; 51(3):654–7

Androgen receptor in human skin cytosol. Mowszowicz I, et al. **J Clin Endocrinol Metab** 1981 Feb;52(2):338–44

Glucocorticoids, the hippocampus, and behavior: interactive relation between task activation and steroid hormone binding specificity. Micco DJ Jr, et al. **J Comp Physiol Psychol** 1980 Aug;94(4):624–33

Radioautography of dexamethasone in rabbit gingiva and buccal mucosa. Tchernitchin A, et al. **J Dent Res** 1980 Dec;59(12):2100–3

Binding of glucocorticosteroids to hepatic erythropoietic cells of the rat fetus. Billat C, et al. **J Endocrinol** 1981 May;89(2):307–15

Murine thymic androgen receptors. Raveche ES, et al. **J Immunopharmacol** 1980;2(4):425–34

Corticoids and human skin fibroblasts: intracellular specific binding in relation to growth inhibition. Ponec M, et al. **J Invest Dermatol** 1980 Oct;75(4):293–6

Glucocorticoid receptor properties and glucocorticoid regulation of glutamine synthetase activity in sensitive C6 and resistant C6H glial cells. Holbrook NJ, et al. **J Neurosci Res** 1981;6(1):75–88

Competence of 1 alpha, 25-dihydroxyvitamin D3 receptor system in embryonic chick intestine. Shimura F, et al. **J Nutr Sci Vitaminol (Tokyo)** 1980;26(1):15–23

Nuclear uptake of sex steroids in gingiva of the baboon. Aufdemorte TB, et al. **J Periodontol** 1981 Aug;52(8):430–4

Macromolecular binding of 5 beta-h steroids in chick embryo liver. Adigweme AI, et al. **J Steroid Biochem** 1981 Jan; 14(1):91–100

Specific interaction of corticosteroids with components of the cell membrane which are involved in the translocation of the hormone into the intravesicular space of purified rat liver plasma membrane vesicles. Alléra A, et al. **J Steroid Biochem** 1980 Jan;12:259–66

Effect of calcium on chick thymus glucocorticoid receptor. Arányi P, et al. **J Steroid Biochem** 1980 Jan;12:267–72

Determine rate constants of interaction of steroid receptors with non-labelled ligands. Arányi P, et al. **J Steroid Biochem** 1980 Oct;13(10):1167–72

Competitive inhibition of dexamethasone binding to the glucocorticoid receptor in HTC cells by tryptophan methyl ester. Baker ME, et al. **J Steroid Biochem** 1980 Aug; 13(8):993–5

Binding of a contraceptive progestogen ORG 2969 and its metabolites to receptor proteins and human sex hormone binding globulin. Bergink EW, et al. **J Steroid Biochem** 1981 Feb;14(2):175–83

Nuclear binding of glucocorticoid receptors: relations between cytosol binding, activation and the biological response. Bloom E, et al. **J Steroid Biochem** 1980 Jan; 12:175–84

Influence of sex and gonadectomy on sex steroid receptors in rat adrenal gland. Calandra RS, et al. **J Steroid Biochem** 1980 Nov;13(11):1331–5

Mediating events in the action of aldosterone. Edelman IS, et al. **J Steroid Biochem** 1980 Jan;12:219–24

The simultaneous occurrence of cytoplasmic receptors for various steroid hormones in male breast carcinoma and gynaecomastia. Grilli S, et al. **J Steroid Biochem** 1980 Jul; 13(7):813–20

Iododerivatives of testosterone as potential biological markers. Hampl R, et al. **J Steroid Biochem** 1980 Sep; 13(9):1035–8

Effect of pyridoxal phosphate on the androgen receptor from rat prostate: inhibition of receptor aggregation and receptor binding to nuclei and to DNA-cellulose. Hiipakka RA, et al. **J Steroid Biochem** 1980 Aug;13(8):841–6

1,25-Dihydroxyvitamin D3 receptors in mouse colon. Hirst MA, et al. **J Steroid Biochem** 1981 Apr;14(4):315–9

Characterization of androgen receptor and estramustine binding protein of rat ventral prostatic tissue in organ culture. Høisaeter PA, et al. **J Steroid Biochem** 1981 Mar; 14(3):251–60

Glucocorticoid receptors and their functions in lymphocytes. Homo F, et al. **J Steroid Biochem** 1980 Jan;12:433–43

Evidence for a specific mineralocorticoid receptor in rat pituitary and brain. Moguilewsky M, et al. **J Steroid Biochem** 1980 Jan;12:309–14

Activated and non-activiated glucocorticoid-receptor complexes rat thymus cells: kinetics of formation and relation to steroid structure. Munck A, et al. **J Steroid Biochem** 1980 Jan;12:225–30

The effect of a Ca2+-activated protease on the glucocorticoid receptor of lymphoid tissues. Náray A. **J Steroid Biochem** 1981 Jan;14(1):71–6

Interaction of pyridoxal phosphate with glucocorticoid receptors from HeLa S3 cells. O'Brien JM, et al. **J Steroid Biochem** 1981 Jan;14(1):9–18

Induction of hepatic tyrosine aminotransferase by physiological stress: relation to endogenous glucocorticoid secretion and cytosol receptor depletion. Omrani GR, et al. **J Steroid Biochem** 1980 Jul;13(7):719–22

Glucocorticoid binding in mouse liver cytosol. Pearce P, et al. **J Steroid Biochem** 1980 Dec;13(12):1493–4

Characterization of cytosolic 5 alpha-DHT and 17 beta-estradiol receptors in the ram hypothalamus. Pelletier J, et al. **J Steroid Biochem** 1981 Jun;14(7):603–11

Renal glomerular steroid hormone binding. Detection by fluorescent microscopy. Pertschuk LP, et al. **J Steroid Biochem** 1980 Sep;13(9):1115–20

Histochemical demonstration of steroid hormone binding sites in the lung. Pertschuk LP, et al. **J Steroid Biochem** 1980 Sep;13(9):1121–4

Mineralocorticoid receptors during normal kidney growth and compensatory renal hypertrophy. Rafestin-Oblin ME, et al. **J Steroid Biochem** 1981 Apr;14(4):337–40

Identification, partial characterization and age-related changes of a cytoplasmic androgen receptor in the rat penis. Rajfer J, et al. **J Steroid Biochem** 1980 Dec;13(12):1489–92

Steroid hormone receptors and pharmacology. Raynaud JP, et al. **J Steroid Biochem** 1980 Jan;12:143–57

Subcellular distribution of androgen binding sites in cultured Sertoli cells before and after exposure to androgens. Sanborn BM, et al. **J Steroid Biochem** 1981 Feb; 14(2):133–40

The androgen receptor binding site: a conformational study of steroids in relation with their affinity—I. Interaction with the D-ring. Schmit JP, et al. **J Steroid Biochem** 1980 Dec;13(12):1387–94

Redefinition of modulator as an inhibitor of glucocorticoid receptor activation. Sekula BC, et al. **J Steroid Biochem** 1981 Feb;14(2):161–6

Androgen receptor specificity and growth response in Shionogi carcinoma cells. Sica G, et al. **J Steroid Biochem** 1981 Jan;14(1):23–8

Prostatic tissue distribution of 17 beta-hydroxy-5 alpha-androstan-3-one and of androgen receptors in benign hyperplasia. Sirett DA, et al. **J Steroid Biochem** 1980 Jul;13(7):723–8

Cimetidine competition with androgens for binding to human sex skin fibroblasts androgen receptors. Sultan C, et al. **J Steroid Biochem** 1980 Jul;13(7):839–40

Sertoli cell chromatin acceptor sites for androgen-receptor complexes. Tsai YH, et al. **J Steroid Biochem** 1980 Jul; 13(7):711–8

Studies on the androgen receptor of the rat seminal vesicle: comparison of the binding characteristics of dihydrotestosterone and testosterone. Zakár T, et al. **J Steroid Biochem** 1980 Jul;13(7):743–50

Steroid hormone receptor studies in melanoma model systems. Markland FS Jr, et al. **J Supramol Struct** 1980; 13(1):35–46

High incidence and characterization of glucocorticoid receptors in human malignant melanoma. Bhakoo HS, et al. **JNCI** 1981 Jan;66(1):21–5

A x C rat prostate adenocarcinoma: initial characterization of testosterone regulation of hormone receptors of cultured cancer cells and derived tumors. Shain SA, et al. **JNCI** 1981 Mar;66(3):565–74

Intestinal 1,25-dihydroxyvitamin D3 receptors: hormone-dependent uptake and saturability of nuclear components in vitro. Pike JW. **Life Sci** 1981 Feb 23; 28(8):957–63

Decreased liver cytosol glucocorticoid receptors in protein-deficient rats. Varma DR, et al. **Life Sci** 1981 Jun 15;28(24):2719–25

Age-dependent changes in rat liver steroid hormone receptor proteins. Bolla R. **Mech Ageing Dev** 1980 Mar;12(3):249–59

Specific receptors control steroid sensitivity in lymphoma cell hybrids. Gehring U. **Mol Cell Endocrinol** 1980 Dec; 20(3):261–74

Corticosterone binding capacity increases in contralateral hippocampus after partial unilateral hippocampectomy. Nyakas C, et al. **Neurosci Lett** 1981 Feb 6;21(3):339–43

Nuclear uptake of 1,25-dihydroxy[3H]cholecalciferol in dispersed fibroblasts cultured from normal human skin. Eil C, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2562–6

Localization of androgen-binding protein in proliferating Sertoli cells in culture. Kierszenbaum AL, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5322–6

Cell surface modulation of gene expression in brain cells by down regulation of glucocorticoid receptors. McGinnis JF, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):1288–92

Dexamethasone 21-mesylate: an affinity label of glucocorticoid receptors from rat hepatoma tissue culture cells. Simons SS Jr, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3541–5

Characterization of a receptor-like protein for 1,25-dihydroxyvitamin D3 in rat skin. Simpson RU, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):5822–6

Effect of vitamin A deficiency on luteinizing hormone receptors and adenosine 3',5'-monophosphate-mediated steroidogenesis in rat testicular tissue. Steinberg KK, et al. **Proc Soc Exp Biol Med** 1981 May;167(1):110–6

Presence of 1,25-dihydroxy vitamin D receptor in normal and abnormal breast tissue. Eisman JA, et al. **Prog Biochem Pharmacol** 1980;17:143-50

Physiological importance of vitamin D metabolism. Haussler MR, et al. **Prog Biochem Pharmacol** 1980;17:134-42

Steroid hormone receptors in breast cancer treatment strategy. McGuire WL. **Recent Prog Horm Res** 1980; 36:135-56 (24 ref.)

Prostate cancer. Hormonal relationships, receptors, and tumour markers. Harper ME, et al. **Recent Results Cancer Res** 1981;78:44-59 (65 ref.)

Studies on the mechanism of action of 1 alpha, 24-dihydroxyvitamin D3. II. Specific binding of alpha, 24-dihydroxyvitamin D3 to chick intestinal receptor. Ishizuka S, et al. **Steroids** 1981 Jan;37(1):33-43

Inhibition of nucleic acid and chromatin binding of the rat prostate androgen receptor by pyridoxal phosphate, heparin and Cibacron blue. Mulder E, et al. **Steroids** 1980 Dec;36(6):633-45

Interaction of A-nor, A, 19-dinor, and A-homo-5 alpha-androstane derivatives with the androgen receptor and the epididymal androgen-binding protein. Russeau GG, et al. **Steroids** 1981 Apr;37(4):383-92

Conditions affecting AtT-20 cell glucocorticoid uptake. Svec F, et al. **Steroids** 1981 Feb;37(2):143-56

A DNA-binding fraction of mouse kidney 3-ketosteroid reductase: comparison with androgen receptors. Wieland SJ, et al. **Steroids** 1981 May;37(5):527-28

Androgen receptors in prostate cancer. White RD, et al. **Urology** 1981 Apr;17(4 Suppl):24-6

[Bond of androgens to nuclear protein extract of the human prostate (author's transl)] Felt V. **Cas Lek Cesk** 1980 Oct; 119(43-44):1167-9 (Eng. Abstr.) **(Cze)**

[Steroid hormone receptors] Baulieu EE. **Expos Annu Biochim Med** 1980;34:1-25 (127 ref.) **(Fre)**

[Estrogen and androgen receptors in patients with acne vulgaris (author's transl)] Schmidt JB, et al. **Arch Dermatol Res** 1980;268(2):207-15 (Eng. Abstr.) **(Ger)**

[Attempts to characterize dexamethasone receptors present in rat kidney cytosol] Lauro R, et al. **Arch Sci Biol (Bologna)** 1978 Jan-Dec;62(1-4):13-9 (Eng. Abstr.) **(Ita)**

[Measurement of cytoplasmic receptors specific for steroid hormones. IV) Glucocorticoid receptor] Galli MC, et al. **Boll Soc Ital Biol Sper** 1979 Feb 15;55(3):195-9 (Eng. Abstr.) **(Ita)**

[Changes of sex steroid hormone receptors in rat uterine cytosol during experimental induction of endometrial carcinoma (author's transl)] Nagasaka T. **Acta Obstet Gynaecol Jpn** 1981 Jun;33(6):757-66 (Eng. Abstr.) **(Jpn)**

[Mechanism of androgen action in rat central nervous system (author's transl)] Noma K, et al. **Horumon To Rinsho** 1980 Aug;28(8):863-7 **(Jpn)**

[Glucocorticoid receptor in brain cytosol (author's transl)] Tsuboi S, et al. **Horumon To Rinsho** 1980 Aug;28(8):871-6 **(Jpn)**

[Fundamental study of endocrine therapy for renal cell carcinoma--progesterone and androgen receptors in normal kidneys and renal cell carcinomas (author's transl)] Nakano E. **Nippon Hinyokika Gakkai Zasshi** 1980 Jul; 71(7):775-87 (Eng. Abstr.) **(Jpn)**

[Studies on the indicators for the responsiveness of human breast cancer to sex steroids (author's transl)] Boku S. **Nippon Naibunpi Gakkai Zasshi** 1981 Jan 20;57(1):64-88 (Eng. Abstr.) **(Jpn)**

[Sensitivity of intranuclear glucocorticoid complex from normal rat liver and Zajdela ascites hepatoma to ionic strength and nuclease treatment] Krasil'nikov MA, et al. **Biokhimiia** 1981 Mar;46(3):422-34 (Eng. Abstr.) **(Rus)**

[Glucocorticoid-receptor complexes of rat liver. I. Kinetic and equilibrium parameters of their interaction with DNA: ionic strength and temperature dependence] Romanov GA, et al. **Mol Biol (Mosk)** 1981 May-Jun;15(3):601-12 (Eng. Abstr.) **(Rus)**

[Hydrocortisone-receptor complex binding with various nonhistone protein groups] Gevorkian ES. **Vopr Med Khim** 1980 Sep-Oct;26(5):656-9 (Eng. Abstr.) **(Rus)**

[Specific glucocorticoid receptor in human liver cytosol] Golikov PP, et al. **Vopr Med Khim** 1980 Mar-Apr; 26(2):248-52 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Hormone receptors and target cell responsiveness. Jänne OA, et al. **Ann Clin Res** 1980 Oct;12(5):174-91 (173 ref.)

Modulation of cortisol receptors in embryonic retina cells by changes in cell-cell contacts: correlations with induction of glutamine synthetase. Saad AD, et al. **Biochem Biophys Res Commun** 1981 Feb 12;98(3):701-8

Ontogeny of the cytoplasmic androgen receptor in the rat ventral prostate gland. Rajfer J, et al. **Biol Reprod** 1980 Oct;23(3):518-21

Changes in microfilament and focal adhesion distribution with loss of androgen responsiveness in cultured mammary tumor cells. Couchman JR, et al. **Cancer Res** 1981 Jan; 41(1):263-9

Correlation of growth properties and morphology with hormone responsiveness of mammary tumor cells in culture. Yates J, et al. **Cancer Res** 1981 Jan;41(1):258-62

Nuclei in testicular feminization (Tfm) are not activated by intact testosterone receptor complexes: a morphometric study in striated urethral muscle of mosaic mice. Thiedemann KU, et al. **Cell Tissue Res** 1980;212(1):127-38

Regulation of steroid hormone receptor activity. Muldoon TG. **Endocr Rev** 1980 Fall;1(4):339-64 (269 ref.)

Danazol suppression of luteinizing hormone secretion: a role for danazol-androgen receptor interaction within the brain-pituitary complex. Krey LC, et al. **Fertil Steril** 1981 Apr;35(4):467-72

Glucocorticoid hormone receptor mediated induction of metallothionein synthesis in HeLa cells. Karin M, et al. **J Cell Physiol** 1980 Apr;103(1):35-40

Characterization of cytoplasmic glucocorticoid receptor in circulating human mononuclear cells. Doe RP, et al. **Life Sci** 1980 Aug 25;27(8):687-93

Glucocorticoid receptors and cleft palate in mice and man. Pratt RM, et al. **Prog Clin Biol Res** 1980;46:149-67 (49 ref.)

Prediction of tumor response to endocrine therapy in prostatic carcinoma based on steroid receptor assay. Ekman P, et al. **Scan J Urol Nephrol [Suppl]** 1980;55:83-9

RADIATION EFFECTS

The effects of ionizing radiation and oestrogen treatment on the steroid-receptor concentrations in experimental mammary carcinoma. Janssens JP, et al. **Biochem Soc Trans** 1981 Feb;9(1):95-6

RECEPTORS, STRETCH see **MECHANORECEPTORS**

RECEPTORS, SYNAPTIC see **SYNAPTIC RECEPTORS**

RECEPTORS, TRYPTAMINE see **RECEPTORS, SEROTONIN**

RECEPTORS, VIRUS

Induction of complement receptor expression in cell lines derived from human undifferentiated lymphomas. II. Characterization of the induced complement receptors and demonstration of the simultaneous induction of EBV receptor. Magrath I, et al. **J Immunol** 1981 Sep; 127(3):1039-43

Mutations affecting localization of an Escherichia coli outer membrane protein, the bacteriophage lambda receptor. Emr SD, et al. **J Mol Biol** 1980 Jul 25;141(1):63-90

ANALYSIS

Morphological characterization of the erythrocyte membrane related to myxovirus receptors. Bächi I. **Acta Histochem [Suppl] (Jena)** 1980;22:291-7

Sindbis virus receptor protein of BHK cells. Duda E, et al. **Acta Virol (Praha)** 1980 Mar;24(2):149-52

Preparation and characterization of an 125I-labeled Sendai virus ligand. McDonald HC, et al. **Anal Biochem** 1980 Jul 15;106(1):127-33

Host cell receptors for two strains of Sindbis virus. Smith AL, et al. **Arch Virol** 1980;66(1):11-26

Unique aspects of the cell surface polysaccharide of Pseudomonas phaseolicola as demonstrated by bacteriophage specificity. Anderson AJ. **Can J Microbiol** 1980 Dec;26(12):1422-7

Partial characterization of Pseudomonas phage 2 receptor. Castillo FJ. **Can J Microbiol** 1980 Aug;26(8):1015-7

Location of a phage binding region on an outer membrane protein. Roa M, et al. **FEBS Lett** 1980 Nov 17;121(1):127-9

Arrangement of bacteriophage lambda receptor protein (LamB) in the cell surface of Escherichia coli: a reconstitution study. Yamada H, et al. **J Bacteriol** 1981 Aug;147(2):660-9

BIOSYNTHESIS

Suppressor mutations that restore export of a protein with a defective signal sequence. Emr SD, et al. **Cell** 1981 Jan; 23(1):79-88

A mechanism of protein localization: the signal hypothesis and bacteria. Emr SD, et al. **J Cell Biol** 1980 Sep; 86(3):701-11

DRUG EFFECTS

Effect of polymyxin B on kappa phage adsorption on Serratia marcescens HY. Patel KA, et al. **Indian J Exp Biol** 1980 Nov;18(11):1353-4

GENETICS

Pleiotropic mutations rendering Escherichia coli K-12 resistant to bacteriophage TP1 Wandersman C, et al. **J Bacteriol** 1980 Sep;143(3):1374-83

Use of vesicular stomatitis virus pseudotypes to map viral receptor genes: Assignment of RD114 virus receptor gene to human chromosome 19. Schnitzer TJ, et al. **J Virol** 1980 Aug;35(2):575-80

IMMUNOLOGY

The role of MuLV receptors on T-lymphoma cells in lymphoma cell proliferation. McGrath MS, et al. **Contemp Top Immunobiol** 1980;11:157-84

Identification of the major adherence ligand of Klebsiella pneumoniae in the receptor for coliphage T7 and alteration of Klebsiella adherence properties by lysogenic conversion. Pruzzo C, et al. **Infect Immun** 1980 Nov;30(2):562-71

Relative lack of Epstein Barr virus (EBV) receptors on B cells from persistently EBV seronegative adults. Gervais F, et al. **J Immunol** 1981 Mar;126(3):897-900

Growth of 17D yellow fever virus in a macrophage-like cell line, U937: role of Fc and viral receptors in antibody-mediated infection. Schlesinger JJ, et al. **J Immunol** 1981 Aug;127(2):659-65

Chicken fetal antigens: role as cell surface receptors for Sindbis virus hemagglutinin. Sanders BG, et al. **Virology** 1980 Oct 15;106(1):183-6

ISOLATION & PURIFICATION

Lymphoid cell surface receptor for Moloney leukemia virus envelope glycoprotein gp71. II. Isolation of the receptor. Schaffar-Deshayes L, et al. **J Immunol** 1981 Jun; 126(6):2352-4

Possible cell surface receptor for Friend murine leukemia virus isolated with viral envelope glycoprotein complexes. Robinson PJ, et al. **J Virol** 1980 Oct;36(1):291-4

Virus-receptor interaction in the adenovirus system I. Identification of virion attachment proteins of the HeLa cell plasma membrane. Svensson U, et al. **J Virol** 1981 Apr; 38(1):70-81

Preparation of erythrocyte receptors for viruses by affinity chromatography. Pardoe IU, et al. **J Virol Methods** 1980; 1(5):285-98

Isolation of BPgp70, a fibroblast receptor for the envelope antigen of Rauscher murine leukemia virus. Landen B, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4988-92

METABOLISM

The use of vesicular stomatitis (visna virus) pseudotypes to demonstrate visna virus receptors in cells from different species. Gilden DH, et al. **Arch Virol** 1981;67(2):181-5

The role of the periplasmic maltose-binding protein and the outer-membrane phage lambda receptor in maltodextrin transport of Escherichia coli. Ferenci T, et al. **Biochem Soc Trans** 1980 Dec;8(6):680-1

Epstein-Barr virus co-reconstituted with Sendai virus envelopes infects Epstein-Barr virus-receptor negative cells. Shapiro IM, et al. **Biochim Biophys Acta** 1981 Aug 5;676(1):19-24

Influenza A virus interaction with murine lymphocytes. III. Recirculating rat T and B cells differ on the basis of receptors for Cam (H1N1) virus. Woodruff JF, et al. **Cell Immunol** 1981 Jan 15;57(2):486-94

T-lymphoma retroviral receptors and control of T-lymphoma cell proliferation. McGrath MS, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):1297-304

OmpC and LamB proteins can serve as substitute receptors for host range mutants of coliphage Tula. Moreno F, et al. **J Bacteriol** 1980 Dec;144(3):1182-5

Adsorption of the defective phage PBS Z1 to Bacillus subtilis 168 Wt. Steensma HY. **J Gen Virol** 1981 Jan;52(Pt 1):93-101

The role of the Escherichia coli lambda receptor in the transport of maltose and maltodextrins. Ferenci T, et al. **J Supramol Struct** 1980;13(1):101-16

Cell surface receptors for endogenous mouse type C viral glycoproteins and epidermal growth factor: tissue distribution in vivo and possible participation in specific cell-cell interaction. Rapp UR, et al. **J Supramol Struct** 1980;14(3):343-52

Coliphage which requires either the LamB protein or the OmpC protein for adsorption to Escherichia coli K-12. Beher MG, et al. **J Virol** 1981 Apr;38(1):372-5

Adsorption of bacteriophage phi 29 to Bacillus subtilis through the neck appendages of the viral particle. Villanueva N, et al. **J Virol** 1981 Apr;38(1):15-9

Sendai virus utilizes specific sialyloligosaccharides as host cell receptor determinants. Markwell MA, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):5693-7

Common surface receptors on both mouse and rat cells distinguish different classes of mouse mammary tumor viruses. Altrock BW, et al. **Virology** 1981 Mar; 109(2):257-66

Effects of receptor destruction by Salmonella bacteriophages epsilon 15 and c341. Bayer ME, et al. **Virology** 1980 Sep; 105(2):328-37

Adsorption and endo-glycosidase activity of phage phi 1 (40) on Salmonella johannesbureg O-polysaccharide. Chaby R, et al. **Virology** 1980 Aug;105(1):136-47

Receptors for encephalomyocarditis virus on murine and human cells. McClintock PR, et al. **Virology** 1980 Oct 30; 106(2):261-72

Influence of influenza and Sendai virus on the rotational mobility of Band 3 proteins in human erythrocyte membranes. Nigg EA, et al. **Virology** 1980 Dec; 107(2):552-6

PHYSIOLOGY

Influenza virus assembly and its defects. Bukrinskaya AG, et al. **Biosystems** 1981;13(3):157-161

Evidence for two mechanisms of dengue virus infection of adherent human monocytes: trypsin-sensitive virus receptors and trypsin-resistant immune complex receptors. Daughaday CC, et al. **Infect Immun** 1981 May;32(2):469-73

Epstein--Barr virus-induced cell fusion. Bayliss GJ, et al. **Nature** 1980 Sep 11;287(5778):164-5

Transfer of Epstein-Barr virus receptors to receptor-negative cells permits virus penetration and antigen expression. Volsky DJ, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5453-7

Polyoma virus recognizes specific sialyllg'saccharide receptors on host cells. Fried H, et al. **Virology** 1981 Feb; 109(1):188-92

[Role of Escherichia coli K-12 lambda phage receptors in transfection and plasmid transformation] Likhacheva NA, et al. **Genetika (Moskva)** 1980;16(7):1176-81 (Eng. Abstr.) **(Rus)**

RECKLINGHAUSEN'S DISEASE OF BONE see **OSTEITIS FIBROSA CYSTICA**

RECKLINGHAUSEN'S DISEASE OF NERVE see **NEUROFIBROMATOSIS**

RECOMBINANT DNA see **DNA, RECOMBINANT**

RECOMBINATION, GENETIC

Isolation of mutants of Caulobacter crescentus deficient in ATP-dependent deoxyribonuclease activity. Markiewicz Z, et al. **Acta Microbiol Pol** 1980;29(2):145-50

Experimental basis of enhancing the immunogenicity of influenza B virus by genetic recombination. Medvedeva TE, et al. **Acta Virol (Praha)** 1980 Dec;24(6):385-90

Peculiarities of obtaining attenuated thermosensitive recombinants of influenza A virus at the end of the H3N2 epidemic cycle. Polezhaev FI, et al. **Acta Virol (Praha)** 1980 Jun;24(4):273-8

Site-specific recombination in bacteriophage lambda: structural analyses of reactive DNA sequences. Landy A, et al. **Am J Trop Med Hyg** 1980 Sep;29(5 Suppl):1099-106

Recombination and gene coding assignments of bunyaviruses and arenaviruses. Bishop DH, et al. **Ann NY Acad Sci** 1980; 354:84-106 (24 ref.)

Origins of SV40 genetic variation. Winocour E, et al. **Ann NY Acad Sci** 1980;354:43-52

Chromosome-mediated gene transfer in mammalian cells. McBride OW, et al. **Annu Rev Genet** 1980;14:321-45 (88 ref.)

Hybridization of Candida albicans through fusion of protoplasts. Sarachek A, et al. **Arch Microbiol** 1981 Mar; 129(1):1-8

Temperature-sensitive mutants of influenza A virus. Transfer of the two ts-1A2 ts lesions present in the Udorn/72-ts-1A2 donor virus to the influenza A/Alaska/6/77 (H3N2) wild type virus. Murphy BR, et al. **Arch Virol** 1980;65(2):175-86

Electrophoretic migration rate differences of polypeptides of human influenza A viruses: partial analysis of the genome of influenza vaccine recombinant viruses. Oxford JS, et al. **Arch Virol** 1980;65(3-4):277-91

Isolation of a recombinant influenza virus (Hsw 1 N2) from swine in Japan. Sugimura T, et al. **Arch Virol** 1980; 66(3):271-4

Effects of recombination-deficient and repair-deficient loci on meiotic and mitotic chromosome behavior in Drosophila melanogaster. Baker BS, et al. **Basic Life Sci** 1980; 15:189-208

Genetic analysis of tolerance to ethanol hypothermia in recombinant inbred mice: effect of desglycinamide(9)-Arginine(8)-vasopressin. Crabbe JC, et al. **Behav Genet** 1980 Mar;10(2):139-52

Further evidence of polyethylene glycol-induced cell fusion of Staphylococcus aureua L-forms. Hirachi Y, et al. **Biken J** 1980 Mar;23(1):43-8

Production of an attenuated influenza A (H3N2) strain 'KO-1' by recombination with A/Okuda/57 (H2N2) followed by selection of inhibitor-resistant virus. Yamada A, et al. **Biken J** 1980 Mar;23(1):25-32

Transposon (Tn5)-mediated suppressive integration of ColE1 derivatives into the chromosome of Escherichia coli K12 (dnaA). Sasakawa C, et al. **Biochem Biophys Res Commun** 1980 Oct 16;96(3):1364-70

Recombination events near the immunoglobulin Cmu gene join variable and constant region genes, switch heavy-chain expression, or inactivate the locus. Cory S, et al. **Biochemistry** 1981 Apr 28;20(9):2662-71

Murine polyoma virus transformation: integration and excision of the viral genome. Bourgaux P. **Can J Microbiol** 1981 Jun;27(6):559-62 (28 ref.)

Hybridization studies within the genus Schwanniomyces Klöcker. Johannsen E, et al. **Can J Microbiol** 1980 Oct; 26(10):1199-203

Consequences of interaction between F plasmid and a drug-resistance plasmid belonging to incompatibility group Fl. Katz L, et al. **Can J Microbiol** 1980 Jan;26(1):94-101

Replication and recombination functions associated with the yeast plasmid, 2 mu circle. Broach JR, et al. **Cell** 1980 Sep;21(2):501-8

The topology of homologous pairing promoted by RecA protein. DasGupta C, et al. **Cell** 1980 Nov;22(2 Pt 2):437-46

Polyoma large T antigen regulates the integration of viral DNA sequences into the genome of transformed cells. Della Valle G, et al. **Cell** 1981 Feb;23(2):347-55

Homothallic conversions of yeast mating-type genes occur by intrachromosomal recombination. Haber JE, et al. **Cell** 1980 Nov;22(1 Pt 1):277-89

Characteristics of an SV40-plasmid recombinant and its movement into and out of the genome of a murine cell. Hanahan D, et al. **Cell** 1980 Aug;21(1):127-39

The invertible G segment of phage mu. Howe MM. **Cell** 1980 Oct;21(3):605-6 (15 ref.)

Repetitive sequences in class-switch recombination regions of immunoglobulin heavy chain genes. Kataoka T, et al. **Cell** 1981 Feb;23(2):357-68

Evidence for a physical interaction between the transposed and the substituted sequences during mating type gene transposition in yeast. Klar AJ, et al. **Cell** 1980 Nov;22(1 Pt 1):291-8

Control of recA gene RNA in E. coli: regulatory and signal genes. McPartland A, et al. **Cell** 1980 Jul;20(3):731-7

Variation in the crossover point of kappa immunoglobulin gene V-J recombination: evidence from a cryptic gene. Max EE, et al. **Cell** 1980 Oct;21(3):793-9

int-h: An int mutation of phage lambda that enhances site-specific recombination. Miller HI, et al. **Cell** 1980 Jul; 20(3):721-9

An E. coli gene product required for lambda site-specific recombination. Miller HI, et al. **Cell** 1980 Jul;20(3):711-9

Molecular engineering of the herpes simplex virus genome: insertion of a second L-S junction into the genome causes additional genome inversions. Mocarski ES, et al. **Cell** 1980 Nov;22(1 Pt 1):243-55

Integration sites and sequence arrangement of SV40 DNA in a homogeneous series of transformed rat fibroblast lines. Mougneau E, et al. **Cell** 1980 Dec;22(3):917-27

Avian leukosis virus-induced tumors have common proviral integration sites and synthesize discrete new RNAs: oncogenesis by promoter insertion. Neel BG, et al. **Cell** 1981 Feb;23(2):323-34

Genetic and physical linkage of exogenous sequences in transformed cells. Perucho M, et al. **Cell** 1980 Nov;22(1 Pt 1):309-17

Human fetal G gamma- and A gamma-globin genes: complete nucleotide sequences suggest that DNA can be exchanged between these duplicated genes. Slightom JL, et al. **Cell** 1980 Oct;21(3):627-38

Structure of chi hotspots of generalized recombination. Smith GR, et al. **Cell** 1981 May;24(2):429-36

Construction of an adenovirus-SV40 recombinant producing SV40 T antigen from an adenovirus late promoter. Solnick D. **Cell** 1981 Apr;24(1):135-43

M-MuLV-induced leukemogenesis: integration and structure of recombinant proviruses in tumors. van der Putten H, et al. **Cell** 1981 Jun;24(3):729-39

Defined oligomeric SV40 DNA: a sensitive probe of general recombination in somatic cells. Wake CT, et al. **Cell** 1980 Aug;21(1):141-8

EM autoradiographic evidence that DNA synthesis occurs at recombination nodules during meiosis in Drosophila melanogaster females. Carpenter AT. **Chromosoma** 1981; 83(1):59-80

Time of recombination in the Drosophila melanogaster oocyte. II. Electron microscopic and genetic studies of a temperature-sensitive recombination mutant. Grell RF, et al. **Chromosoma** 1980;81(3):339-48

Mitotic recombination and segregation of satellites in Bloom's syndrome. Therman E, et al. **Chromosoma** 1981; 82(5):627-36

Evidence for the involvement of recombination and amplification events in the evolution of Secale chromosomes. Bedbrook J, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 2:755-60

Recombination events that activate, diversify, and delete immunoglobulin genes. Leder P, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 2:859-65

Origin of intervening sequences within mammalian genes and the universal signal for their removal. Ohno S. **Differentiation** 1980;17(1):1-15

Autologous mixed lymphocyte reactions in NZB mice: analysis in recombinant inbred lines shows a T cell defect unrelated to autoantibody production. Bocchieri MH, et al. **Eur J Immunol** 1981 Feb;11(2):159-62

Toxoplasma gondii: genetic recombination between drug resistant mutants. Pfefferkorn LC, et al. **Exp Parasitol** 1980 Dec;50(3):305-16

Absence of recombination in the male of Ceratitis capitata. Cladera JL. **Experientia** 1981 Apr 15;37(4):342-3

Biochemical evidence for intertypic genetic recombination of polioviruses. Romanova LI, et al. **FEBS Lett** 1980 Aug 25;118(1):109-12

Bacteriophage lambda cloning vehicles for studies of genetic recombination. Carroll D, et al. **Gene** 1980 Aug; 10(3):261-71

Recombination of a eukaryotic DNA in bacteria. Carroll D, et al. **Gene** 1980 Aug;10(3):273-81

Tumor formation and rhizogenicity of Agrobacterium rhizogenes carrying Ti plasmids. Costantino P, et al. **Gene** 1980 Oct;11(1-2):79-87

IS-like element IS8 in RP4 plasmid and its involvement in cointegration. Depicker A, et al. **Gene** 1980 Sep; 10(4):329-38

A site-specific recE4-independent intramolecular recombination between Bacillus subtilis and Staphylococcus aureus DNAs in hybrid plasmids. Fujii M, et al. **Gene** 1980 Dec;12(1-2):95-102

A cloning vehicle suitable for strand separation. Hayashi K. **Gene** 1980 Oct;11(1-2):109-15

Direct repetition of a 1.2 Md DNA sequence is involved in site-specific recombination by the P1 plasmid R68. Leemans J, et al. **Gene** 1980 Sep;10(4):319-28

IS5 increases recombination in adjacent regions as shown for the repressor gene of coliphage lambda. Lieb M. **Gene** 1980 Dec;12(3-4):277-80

Construction of an SV40-derived cloning vector. Muzyczka N. **Gene** 1980 Oct;11(1-2):63-77

High negative interference and recombination in bacteriophage T5. Beck BN. **Genetics** 1980 Sep;96(1):25-41

Association of disomic chromosome loss with EMS-induced conversion in yeast. Campbell D. **Genetics** 1980 Nov; 96(3):613-25

Isolation of lambda transducing phage with the bio genes inserted between lambda genes P and Q. Charon NW, et al. **Genetics** 1980 May;95(1):1-13

Doubled haploids for estimating mean and variance of recombination values. Choo TM. **Genetics** 1981 Jan; 97(1):165-72

Studies on the mechanism of transduction by bacteriophage phi gamma. II. Formation of transducing elements. Gratia JP. **Genetics** 1980 Jul;95(3):525-44

Genetic dissection of segregation distortion. III. Unequal recovery of reciprocal recombinants. Hartl DL. **Genetics** 1980 Nov;96(3):685-96

Recombination and chromosome segregation during the single division meiosis in SPO12-1 and SPO13-1 diploids. Klapholz S, et al. **Genetics** 1980 Nov;96(3):589-611

Interconversion of yeast cell types by transposable genes. Klar AJ. **Genetics** 1980 Jul;95(3):631-48

Mitotic recombination in yeast: isolation and characterization of mutants with enhanced spontaneous mitotic gene conversion rates. Maloney DH, et al. **Genetics** 1980 Apr; 94(4):825-39

Developmental stages of genome elimination resulting in transmission ratio distortion of the T-007 male recombination (MR) chromosome of Drosophila melanogaster. Matthews KA. **Genetics** 1981 Jan; 97(1):95-111

Chi mutation in a transposon and the orientation-dependence of Chi phenotype. Yagil E, et al. **Genetics** 1980 Sep; 96(1):43-57

Adaptive advantage for chiasma interference: a novel suggestion. Maguire MP. **Heredity (Edinburgh)** 1980 Aug; 45(1):127-31

Structural differences in pericentric inversions. Application to a model of risk of recombinants. Daniel A. **Hum Genet** 1981;56(3):321-8

Intra-HLA recombinations localizing the 21-hydroxylase deficiency gene within the HLA complex. Bias WB, et al. **Hum Immunol** 1981 Mar;2(2):139-45

Occurrence of paternal and maternal HLA-B/D recombinants in a single family. Hsu SH, et al. **Hum Immunol** 1980 Dec;1(4):325-30

Effect of temperature on gene transfer in Vibrio cholerae: crosses between P+ & P- classical strains of V. cholerae. Sridhar P, et al. **Indian J Exp Biol** 1981 Jan;19(1):40-1

Evaluation of A/Alaska/6/77 (H3N2) cold-adapted recombinant viruses derived from A/Ann Arbor/6/60 cold-adapted donor virus in adult seronegative volunteers. Murphy BR, et al. **Infect Immun** 1981 May;32(2):693-7

Characterization of the temperature sensitive phenotype of the A/Ann Arbor/6/60 cold-adapted virus and its recombinants. Murphy BR, et al. **Infect Immun** 1981 May; 32(2):960-3

Transposon-facilitated recombination in classical biotypes of Vibrio cholerae. Sublett RD, et al. **Infect Immun** 1981 Jun; 32(3):1132-8

Integration of oncogenic viruses in mammalian cells. Croce CM. **Int Rev Cytol** 1981;71:1-17 (56 ref.)

New anthracycline antibiotics produced by interspecific recombinants of streptomycetes. III. Isolation and structure of iremycin. Ihn W, et al. **J Antibiot (Tokyo)** 1980 Dec; 33(12):1457-61

tif-Stimulated deoxyribonucleic acid repair in Escherichia coli K-12. Castellazzi M, et al. **J Bacteriol** 1980 Aug; 143(2):703-9

Postreplication repair of deoxyribonucleic acid and daughter strand exchange in uvr- mutants of Bacillus subtilis. Dodson LA, et al. **J Bacteriol** 1980 Nov;144(2):840-3

Genetic analysis of the RecE pathway of genetic recombination in Escherichia coli K-12. Gillen JR, et al. **J Bacteriol** 1981 Jan;145(1):521-32

Structural instability of IncP-1 plasmids in Pseudomonas aeruginosa PAT involves interaction with plasmid pVS1. Godfrey AJ, et al. **J Bacteriol** 1980 Nov;144(2):622-9

Plasmid transfer and genetic recombination by protoplast fusion in staphylococci. Götz F, et al. **J Bacteriol** 1981 Jan;145(1):74-81

Recombination of uracil-containing lambda bacteriophages. Hays JB, et al. **J Bacteriol** 1981 Jan;145(1):306-20

R-factor cointegrate formation in Salmonella typhimurium bacteriophage type 201 strains. Helmuth R, et al. **J Bacteriol** 1981 May;146(2):444-52

Prophage induction in a permeabilized cell system: induction by deoxyribonucleases and the role of recBC-deoxyribonuclease. Irbe RM, et al. **J Bacteriol** 1980 Dec;144(3):1061-7

Transposed LEU2 gene of Saccharomyces cerevisiae is regulated normally. Kohlhaw GB, et al. **J Bacteriol** 1980 Nov;144(2):852-5

Isolation of ara-lac gene fusions in Salmonella typhimurium LT2 by using transducing bacteriophage Mu d (Apr lac). Lee JH, et al. **J Bacteriol** 1980 Sep;143(3):1325-31

Spontaneous mitotic recombination in mms8-1, an allele of the CDC9 gene of Saccharomyces cerevisiae. Montelone BA, et al. **J Bacteriol** 1981 Aug;147(2):517-25

Introduction of bacteriophage Mu into bacteria of various genera and intergeneric gene transfer by RP4::Mu. Murooka Y, et al. **J Bacteriol** 1981 Jan;145(1):358-68

Physical and functional mapping of RP4-TOL plasmid recombinants: analysis of insertion and deletion mutants. Nakazawa T, et al. **J Bacteriol** 1980 Oct;144(1):222-31

Insertion element IS102 resides in plasmid pSC101. Ohtsubo H, et al. **J Bacteriol** 1980 Oct;144(1):131-40

Genetics of ribosomal components in Podospora spp. as revealed by interspecific hybridization. Perrot M, et al. **J Bacteriol** 1981 Jan;145(1):82-7

recA gene product is responsible for inhibition of deoxyribonucleic acid synthesis after ultraviolet irradiation. Trgovčević Z, et al. **J Bacteriol** 1980 Sep;143(3):1506-8

Recombinant plasmid associated cell aggregation and high-frequency conjugation of Streptococcus lactis ML3. Walsh PM, et al. **J Bacteriol** 1981 Jun;146(3):937-44

Recombination-deficient mutant of Streptococcus faecalis. Yagi Y, et al. **J Bacteriol** 1980 Aug;143(2):966-70

Amplification of the tetracycline resistance determinant of plasmid pAM alpha 1 in Streptococcus faecalis: dependence on host recombination machinery. Yagi Y, et al. **J Bacteriol** 1980 Aug;143(2):1070-2

A simple and rapid procedure for the large scale purification of the recA protein of Escherichia coli. Cox MM, et al. **J Biol Chem** 1981 May 10;256(9):4676-8

Binding of the recA protein of Escherichia coli to single- and double-stranded DNA. McEntee K, et al. **J Biol Chem** 1981 Aug 25;256(16):8835-44

Purification and properties of the Escherichia coli protein factor required for lambda integrative recombination. Nash HA, et al. **J Biol Chem** 1981 Sep 10;256(17):9246-53

Homologous pairing in genetic recombination. Purification and characterization of Escherichia coli recA protein. Shibata T, et al. **J Biol Chem** 1981 Jul 25;256(14):7557-64

Homologous pairing in genetic recombination. The pairing reaction catalyzed by Escherichia coli recA protein. Shibata T, et al. **J Biol Chem** 1981 Jul 25;256(14):7565-72

Interaction of the recA protein of Escherichia coli with adenosine 5'-O-(3-thiotriphosphate). Weinstock GM, et al. **J Biol Chem** 1981 Aug 25;256(16):8850-5

Hydrolysis of nucleoside triphosphates catalyzed by the recA protein of Escherichia coli. Steady state kinetic analysis of ATP hydrolysis. Weinstock GM, et al. **J Biol Chem** 1981 Aug 25;256(16):8845-9

Hydrolysis of nucleoside triphosphates catalyzed by the recA protein of Escherichia coli. Characterization of ATP hydrolysis. Weinstock GM, et al. **J Biol Chem** 1981 Aug 25;256(16):8829-34

Hydrolysis of nucleoside triphosphates catalyzed by the recA protein of Escherichia coli. Hydrolysis of UTP. Weinstock GM, et al. **J Biol Chem** 1981 Aug 25;256(16):8856-8

Escherichia coli recA protein protects single-stranded DNA or gapped duplex DNA from degradation by RecBC DNase. Williams JG, et al. **J Biol Chem** 1981 Jul 25; 256(14):7573-82

Insertion of muntjac gene segment into hamster cells by cell fusion. Tsukamoto K, et al. **J Cell Physiol** 1980 Aug; 104(2):225-32

Aberrant Ae (E beta) Ia polypeptide chain in H-2g2 haplotype mice. Possible result of an intragenic recombination or mutation. Jones PP. **J Exp Med** 1980 Nov 1;152(5):1453-8

Genetic studies in NZB mice. V. Recombinant inbred lines demonstrate that separate genes control autoimmune phenotype. Raveche ES, et al. **J Exp Med** 1981 May 1; 153(5):1187-97

Genetic recombination between Proteus mirabilis and Providencia alcalifaciens. Coetzee JN, et al. **J Gen Microbiol** 1980 Sep;120(1):57-66

Studies on recombination in heterologous crosses of Rous sarcoma virus. Balduzzi PC, et al. **J Gen Virol** 1980 Sep; 50(1):173-8

Analysis of genome composition and reactogenicity of recombinants of cold-adapted and virulent virus strains. Ghendon YZ, et al. **J Gen Virol** 1981 Apr;53(Pt 2):215-24

Evidence for intracistronic complementation of the product of the influenza virus gene Ptra (P3 of fowl plague virus). Heller E, et al. **J Gen Virol** 1980 Jul;49(1):133-9

Formation and characterization of an intertypic lymphocytic choriomeningitis recombinant virus. Kirk WE, et al. **J Gen Virol** 1980 Nov;51(Pt 1):213-8

A sensitive method for the detection and isolation of recombinants of foot-and-mouth disease virus. McCahon D, et al. **J Gen Virol** 1981 Apr;53(Pt 2):333-42

Recombinants of influenza virus type B as potential live vaccine candidates: RNA characterization and evaluation in man. Lobmann M, et al. **J Hyg (Lond)** 1981 Aug; 87(1):43-52

Discontinuous genes and DNA sequence transposition: a model for immunoglobulin chain synthesis. Lefranc G, et al. **J Immunogenet** 1980 Jun;7(3):207-14

Calculation of recombination frequency from F2 hybrids. Wagener DK, et al. **J Immunogenet** 1981 Jun;8(3):231-3

Studies with a cold-recombinant A/Victoria/3/75 (H3N2) virus. II. Evaluation in adult volunteers. Mortiz AJ, et al. **J Infect Dis** 1980 Dec;142(6):857-60

Studies with a cold-recombinant A/Victoria/3/75 (H3N2) virus. I. biologic, genetic, and biochemical characterization. Reeve P, et al. **J Infect Dis** 1980 Dec;142(6):850-6

Studies in man with cold-recombinant influenza virus (H1N1) live vaccines. Reeve P, et al. **J Med Virol** 1980; 6(1):75-83

Regulation of int gene transcription by bacteriophage lambda. Location of the RNA start generated by an int constitutive mutation. Abraham J, et al. **J Mol Biol** 1981 Feb 15; 146(1):157-65

The role of HimA and Xis in lambda site-specific recombination. Gottesman S, et al. **J Mol Biol** 1980 Apr 15;138(3):503-12

Novel mutations of Escherichia coli that produce recombinogenic lesions in DNA. I. Identification and mapping of arl mutations. Hays JB, et al. **J Mol Biol** 1980 May 25;139(3):455-72

Novel mutants of Escherichia coli that produce recombinogenic lesions in DNA. II. Properties of recombinogenic lambda phages grown on bacteria carrying arl mutations. Korba BE, et al. **J Mol Biol** 1980 May 25; 139(3):473-89

Catenation and supercoiling in the products of bacteriophage lambda integrative recombination in vitro. Mizuuchi K, et al. **J Mol Biol** 1980 Aug 25;141(4):485-94

Clustering of mutations inactivating a Chi recombinational hotspot. Schultz DW, et al. **J Mol Biol** 1981 Mar 5; 146(3):275-86

Mechanistic studies of DNA replication and genetic recombination. Abstracts. **J Supramol Struct** 1980;Suppl 4:297-381

Isolation of recombinant DNA clones carrying complete integrated proviruses of Moloney murine leukemia virus. Bacheler L, et al. **J Virol** 1981 Jan;37(1):181-90

Rearrangement of integrated viral DNA sequences in mouse cells transformed by simian virus 40. Bender MA, et al. **J Virol** 1981 Jun;38(3):872-9

DNA of avian myeloblastosis-associated virus type 2 integrates at multiple sites in the chicken genome. Bergmann DG, et al. **J Virol** 1980 Sep;35(3):968-71

Terminally redundant sequences in cellular intracisternal A-particle genes. Cole MD, et al. **J Virol** 1981 May; 38(2):680-7

Generation of novel, biologically active Harvey sarcoma viruses via apparent illegitimate recombination. Goldfarb MP, et al. **J Virol** 1981 Apr;38(1):136-50

Lack of focus formation of S+L- mink cells by the ecotropic murine leukemia viral genome. Ishimoto A. **J Virol** 1980 Oct;36(1):18-21

Integration, expression, and infectivity of exogenously acquired proviruses of Rous-associated virus-O. Jenkins NA, et al. **J Virol** 1980 Dec;36(3):684-91

New chimeric splice junction in adenovirus type 2-simian virus 40 hybrid viral mRNA. Khoury G, et al. **J Virol** 1980 Oct;36(1):143-51

Frequent site-specific deletion of coliphage lambda murine sarcoma virus recombinants and its use in the identification of a retrovirus integration site. McClements WL, et al. **J Virol** 1980 Aug;35(2):488-97

Generation of nondefective Rous sarcoma virus by asymmetric recombination between deletion mutants. Martin GS, et al. **J Virol** 1980 Nov;36(2):591-4

Characterization of flat revertant cells isolated from simian virus 40-transformed mouse and rat cells which contain multiple copies of viral genomes. Maruyama K, et al. **J Virol** 1981 Mar;37(3):1028-43

Sequence arrangement and biological activity of cloned feline leukemia virus proviruses from a virus-productive human cell line. Mullins JI, et al. **J Virol** 1981 May;38(2):688-703

Integration of adenovirus type 2 DNA at a limited number of cellular sites in productively infected cells. Neumann R, et al. **J Virol** 1981 Mar;37(3):887-92

Specialized transduction with lambda plac5: dependence on recA and on configuration of lac and att lambda. Porter RD, et al. **J Virol** 1981 May;38(2):497-503

Avian oncovirus mutant (SE21Q1b) deficient in genomic RNA: characterization of a deletion in the provirus. Shank PR, et al. **J Virol** 1980 Nov;36(2):450-6

Nucleotide sequence of the chi recombinational hot spot chi +D in bacteriophage lambda. Smith GR, et al. **J Virol** 1981 Jan;37(1):336-42

Identification of the avian myeloblastosis virus genome. II. Restriction endonuclease analysis of DNA from lambda proviral recombinants and leukemic myeoblast clones. Souza LM, et al. **J Virol** 1980 Nov;36(2):325-36

Predominance of bacteriophage SP82 over bacteriophage SP01 in mixed infections of Bacillus subtilis. Stewart CR, et al. **J Virol** 1981 Jun;38(3):1081-3

Integrated simian virus 40 DNA: nucleotide sequences at cell-virus recombinant junctions. Stringer JR. **J Virol** 1981 May;38(2):671-9

Chromosomal localization of ev-1, a frequently occurring endogenous retrovirus locus in white Leghorn chickens, by in situ hybridization. Tereba A, et al. **J Virol** 1980 Sep; 35(3):888-94

Integration pattern of hepatitis B virus DNA sequences in human hepatoma cell lines. Twist EM, et al. **J Virol** 1981 Jan;37(1):239-43

Organization of viral genome in a T antigen-negative hamster tumor induced by human papovavirus BK. Yogo Y, et al. **J Virol** 1981 May;38(2):556-63

Some mathematics of recombination: evolution of complexity and genotypic modification in somatic cells - a possible model for aging and cancer effects. Witten M. **Mech Ageing Dev** 1980 Jun;13(2):185-97

Molecular and genetic properties of arenaviruses. Bishop DH. **Medicina (B Aires)** 1980 May-Jun;40(3):275-88

Role of the recF gene of Escherichia coli K-12 in lambda recombination. Armengod ME. **MGG** 1981;181(4):497-504

Hyper-recombination in uvrD mutants of Escherichia coli K-12. Arthur HM, et al. **MGG** 1980;180(1):185-91

The tetracycline-resistance transposon Tn10 inhibits translocation of Tn10. Beck CF, et al. **MGG** 1980; 179(2):453-5

Plasmid control of recombination of E. coli K12. Chernin LS, et al. **MGG** 1980;179(2):399-407

Construction of pBR322-ara hybrid plasmids by in vivo recombination. Horwitz AH, et al. **MGG** 1980; 179(3):615-25

Site-specific integration of an F' lac pro factor in the region of the replication origin (oriC) of E. coli. LaVerne LS, et al. **MGG** 1980;179(2):437-46

The RAD52 gene is not required for the function of the DEL1 mutator gene in Saccharomyces cerevisiae. Liebman SW, et al. **MGG** 1980;179(3):703-5

Phenotypic differences among the alleles of the T4 recombination defective mutants. Melamede RJ, et al. **MGG** 1980;179(2):327-30

Induction of lambdoid prophages by amino acid deprivation: differential inducibility; role of recA. Melechen NE, et al. **MGG** 1980;180(1):147-55

The variation in frequency with which markers are transduced by phage P1 is primarily a result of discrimination during recombination. Newman BJ, et al. **MGG** 1980;180(3):585-9

Genetic and physical mapping of recF in Escherichia coli K-12. Ream LW, et al. **MGG** 1980;180(1):115-21

The trans action of HMRa in mating type interconversion. Rine J, et al. **MGG** 1980;180(1):99-105

Tn1 generated mutants in the mercuric ion reductase of the Inc P plasmid, R702. Summers AO, et al. **MGG** 1980; 180(1):91-7

Small RNAs in HnRNP fibrils and their possible function in splicing. Gallinaro H, et al. **Mol Biol Rep** 1981 May 22;7(1-3):31-9 (70 ref.)

An unexpected response to Torulopsis glabrata fusion products to X-irradiation. Galeotti CL, et al. **Mutat Res** 1981 Apr;81(2):155-64

Spontaneous and UV-induced recombination in radiation-sensitive mutants of Schizosaccharomyces pombe. Grossenbacher-Grunder AM, et al. **Mutat Res** 1981 Mar;81(1):37-48

A simple, rapid plate assay for mitotic recombination. Kunz BA, et al. **Mutat Res** 1980 Nov;73(1):215-20

Genetic control of diploid recovery after gamma-irradiation in the yeast Saccharomyces cerevisiae. Saeki T, et al. **Mutat Res** 1980 Dec;73(2):251-65

Recombination between short DNA homologies causes tandem duplication. Edlund T, et al. **Nature** 1981 Jul 16; 292(5820):269-71

Intergenic conversion and reiterated genes. Egel R. **Nature** 1981 Mar 19;290(5803):191-2

Direct role of the himA gene product in phage lambda integration. Miller HI, et al. **Nature** 1981 Apr 9; 290(5806):523-6

Is intragenic recombination a factor in the maintenance of genetic variation in natural populations? Morgan K, et al. **Nature** 1979 Feb 1;277(5695):383-4

Two types of somatic recombination are necessary for the generation of complete immunoglobulin heavy-chain genes. Sakano H, et al. **Nature** 1980 Aug 14; 286(5774):676-83

Roles of RecA revealed [news] Sedgwick S. **Nature** 1980 Oct 23;287(5784):676-7

Recombination suppression of mouse t-haplotypes due to chromatin mismatching. Silver LM, et al. **Nature** 1981 Mar 5;290(5801):68-70

Homologous pairing can occur before DNA strand separation in general genetic recombination. West SC, et al. **Nature** 1981 Mar 5;290(5801):29-33

Visualization of genetic recombination intermediates of human adenovirus type 2 DNA from infected HeLa cells. Wolgemuth DJ, et al. **Nature** 1980 Sep 11;287(5778):168-71

In vitro splicing of SV40 late mRNA in isolated nuclei from CV-1 cells. Hamada H, et al. **Nucleic Acids Res** 1980 Feb 11;8(3):587-99

Analysis of recombination in mammalian cells using SV40 genome segments having homologous overlapping termini. Upcroft P, et al. **Nucleic Acids Res** 1980 Jun 25; 8(12):2725-36

Mammalian cell function mediating recombination of genetic elements. Upcroft P, et al. **Nucleic Acids Res** 1980 Dec 11;8(23):5835-44

Genetic engineering: possibilities and prospects for its application in industrial microbiology. Murray K. **Philos Trans R Soc Lond [Biol]** 1980 Aug 11; 290(1040):369-86 (48 ref.)

Analysis of chromosome mobilization using hybrids between plasmid RP4 and a fragment of bacteriophage lambda carrying IS1. Grinter NJ. **Plasmid** 1981 May;5(3):267-76

Tn554: isolation and characterization of plasmid insertions. Murphy E, et al. **Plasmid** 1981 May;5(3):292-305

In vivo formation of a plasmid cointegrate expressing two incompatibility phenotypes. Taylor DE, et al. **Plasmid** 1981 May;5(3):233-44

Spontaneous tandem genetic duplications in Salmonella

typhimurium arise by unequal recombination between rRNA (rrn) cistrons. Anderson P, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):3113–7

Control of gene expression by a mobile recombinational switch. Berg DE. **Proc Natl Acad Sci USA** 1980 Aug; 77(8):4880–4

Initiation of genetic recombination: homologous pairing between duplex DNA molecules promoted by recA protein. Cassuto E, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):3962–6

recA protein of Escherichia coli promotes branch migration, a kinetically distinct phase of DNA strand exchange. Cox MM, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3433–7

An unusual symmetric recombinant between adenovirus type 12 DNA and human cell DNA. Deuring R, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):3142–6

lambda altSF: a phage variant that acquired the ability to substitute specific sets of genes at high frequency. Friedman D, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):410–4

Genetic recombination of bacterial plasmid DNA: electron microscopic analysis of in vitro intramolecular recombination. Kolodner R. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4847–51

Induction of mitotic recombination in yeast by starvation for thymine nucleotides. Kunz BA, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):6057–61

Integrative recombination of bacteriophage lambda: extent of the DNA sequence involved in attachment site function. Mizuuchi M, et al. **Proc Natl Acad Sci USA** 1980 Jun; 77(6):3220–4

Independent recombination between avian leukosis virus terminal sequences and host DNA in virus-induced proliferative disease. Neiman P, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1896–900

Resolution of cointegrates between transposons gamma delta and Tn3 defines the recombination site. Reed RR. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3428–32

Evidence for unequal crossing over within the mouse T/t complex. Silver LM, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):6077–80

Evidence that rnmB is the operator of the Escherichia coli recA gene. Volkert MR, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1786–90

Sequence-specific recombination of plasmid ColE1. Warren GJ, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6724–8

recA protein promotes homologous-pairing and strand-exchange reactions between duplex DNA molecules. West SC, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2100–4

Indiscriminate recombination in simian virus 40-infected monkey cells. Winocour E, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4861–5

Changes in DNA during meiosis in a repair-deficient mutant (rad 52) of yeast. Resnick MA, et al. **Science** 1981 May 1;212(4494):543–5

Recombination of dispersed repeated DNA sequences in yeast. Scherer S, et al. **Science** 1980 Sep 19; 209(4463):1380–4

Multilocus population genetics: relative importance of selection and recombination. Ginzburg LR, et al. **Theor Popul Biol** 1980 Jun;17(3):298–320

Split of HLA-D into two regions alpha and beta by a recombination between HLA-D and GLO. I. Study in a family and primed lymphocyte typing for determinants coded by the beta region. Mawas C, et al. **Tissue Antigens** 1980 May;15(5):458–66

Intra HLA-D region recombinant maps HLA-DR between HLA-B and HLA-D. Sachs JA, et al. **Tissue Antigens** 1981 Jan;17(1):43–56

Monoclonal antibodies to the envelope proteins of Moloney leukemia virus: characterization of recombinant viruses. Cicurel L, et al. **Transplant Proc** 1980 Sep;12(3):394–7

The recombinant RT1r6 haplotype of the LEW.1WR2 rat strain. Kohoutová M, et al. **Transplant Proc** 1981 Jun; 13(2):1322–4

An attempt to obtain recombinants in the RT1.A region in rats. Stark O, et al. **Transplant Proc** 1981 Jun;13(2):1325–6

Transplantation in miniature swine. VIII. Recombination within the major histocompatibility complex of miniature swine. Pennington LR, et al. **Transplantation** 1981 Jan; 31(1):66–71

On the role of the recA protein of Escherichia coli in general recombination. Lehman IR. **UCLA Forum Med Sci** 1979; (21):23–37

Spontaneous mutants of the adenovirus-simian virus 40 hybrid, Ad2+ND3, that grow efficiently in monkey cells. Anderson CW. **Virology** 1981 May;111(1):263–9

The participation of T7 DNA-binding protein in T7 genetic recombination. Araki H, et al. **Virology** 1981 Jun; 111(2):509–15

Recombination in adenovirus: crossover sites in intertypic recombinants are located in regions of homology. Boursnell ME, et al. **Virology** 1981 Jul 15;112(1):198–209

In vitro insertions and deletions in the G segment of phage mu DNA do not abolish the inversion process. Clayton R, et al. **Virology** 1981 Mar;109(2):267–80

Genetic recombination between phage HK022, lambda, and phi 80. Dhillon TS, et al. **Virology** 1981 Feb;109(1):198–200

Mutation in the hemagglutinin of A/N-WS/33 influenza virus recombinants influencing sensitivity to trypsin and antigenic reactivity. Erickson AH, et al. **Virology** 1980 Dec; 107(2):320–30

Intragenomic sequence transposition in monkeypox virus. Esposito JJ, et al. **Virology** 1981 Mar;109(2):231–43

Reversion of a cohesive end site mutant of bacteriophage lambda by recombination with a defective prophage. Fisher R, et al. **Virology** 1980 Nov;107(1):160–73

Evidence for repair of ultraviolet light-damaged herpes virus in human fibroblasts by a recombination mechanism. Hall JD, et al. **Virology** 1980 Sep;105(2):490–500

Localization and organization of integrated simian virus 40 sequences in a human cell line. Hwang SP, et al. **Virology** 1980 Aug;105(1):196–204

Rapid emergence of mink cell focus-forming (MCF) virus in various mice infected with NB-tropic friend virus. Ishimoto A, et al. **Virology** 1981 Sep;113(2):644–55

Unintegrated and integrated proviruses of two strains of baboon endogenous viruses: comparative restriction endonuclease analysis. Josephs SF, et al. **Virology** 1981 Jul 15;112(1):282–8

Isolation and properties of a temperature-sensitive mutant (ts 412) of an influenza A virus recombinant with a ts lesion in the gene coding for the nonstructural protein. Koennecke I, et al. **Virology** 1981 Apr 15;110(1):16–25

The integrated SV40 genome in permissive transformed monkey cells. Krieg P, et al. **Virology** 1981 Jan 30; 108(2):453–61

Apparent lack of integration of bovine papillomavirus DNA in virus-induced equine and bovine tumor cells and virus-transformed mouse cells. Lancaster WD. **Virology** 1981 Jan 30;108(2):251–5

The arrangement of integrated viral DNA is different in BK virus-transformed mouse and hamster cells. Meneguzzi G, et al. **Virology** 1981 May;111(1):139–53

Viable variants in VA-RNA, gene of an Ad2-Ad5 recombinant. Rajagopalan S, et al. **Virology** 1981 Jul 30; 112(2):564–71

Genes of colliphage T1 whose products promote general recombination. Ritchie DA, et al. **Virology** 1980 Sep; 105(2):371–8

Attenuation of virulence of a bunyavirus involving an L RNA defect and isolation of LAC/SSH/LAC and LAC/SSH/SSH reassortants. Rozhon EJ, et al. **Virology** 1981 May;111(1):125–38

Genetic factors associated with loss of the temperature-sensitive phenotype of the influenza A/Alaska/77-ts-1A2 recombinant during growth in vivo. Tolpin MD, et al. **Virology** 1981 Jul 30;112(2):505–17

Recombination of influenza A strains with fowl plague virus can change pneumotropism for mice to a generalized infection with involvement of the central nervous system. Vallbracht A, et al. **Virology** 1980 Dec;107(2):452–60

Arenavirus recombination: the formation of recombinants between prototype pichinde and pichinde munchique viruses and evidence that arenavirus S RNA codes for N polypeptide. Vezza AC, et al. **Virology** 1980 Oct 30; 106(2):250–60

Recovered src genes are polymorphic and contain host markers. Vigne R, et al. **Virology** 1980 Aug;105(1):71–85

Avian reticuloendotheliosis virus contains a new class of oncogene of turkey origin. Wong TC, et al. **Virology** 1981 May;111(1):289–93

Recombination in SV40-infected cells: nucleotide sequences at viral-viral recombinant joints in naturally arising variants. Woodworth-Gutai M. **Virology** 1981 Mar; 109(2):344–52

Recombination in SV40-infected cells: viral DNA sequences at sites of circularization of transfecting linear DNA. Woodworth-Gutai M. **Virology** 1981 Mar;109(2):353–65

In vivo and in vitro recombination of lambda DNA in CaC12 transfection. Betcke A, et al. **Z Allg Mikrobiol** 1980; 20(4):245–56

New anthracycline antibiotics produced by interspecific recombinants of streptomycetes. I. Selection of Streptomyces violaceus subsp. iremyceticus, an iremycin-producing subspecies. Schlegel B, et al. **Z Allg Mikrobiol** 1980;20(8):527–30

The use of gene fusions of study bacterial transport proteins. Shuman HA. **J Membr Biol** 1981;61(1):1–11 (57 ref.) **(eng)**

[Genetic techniques for the production of influenza vaccines (author's transl)] Teti G. **Ann Sclavo** 1980 Jan–Feb; 22(1):34–9 (23 ref.) (Eng. Abstr.) **(Ita)**

[Recent trends in the experiments of genetic recombination] Muramatsu M. **Nippon Rinsho** 1980 Nov;38(11):4421–31 (52 ref.) **(Jpn)**

[Molecular mechanisms of genetic recombination--homologous pairing of DNA molecules by recA protein of E. coli (author's transl)] Shibata T. **Tanpakushitsu Kakusan Koso** 1980 Oct;25(10):921–40 (113 ref.) **(Jpn)**

[RecA+-independent formation of recombinant plasmids in strains of E. coli producing Eco RI restriction endonuclease] Aleshkin GI, et al. **Dokl Akad Nauk SSSR** 1980;253(6):1465–9 **(Rus)**

[Site-specific nature of Escherichia coli K-12 recombination and possibilities for elimination of 'hot' sites] Bresler SE, et al. **Dokl Akad Nauk SSSR** 1981;257(6):1466–9 **(Rus)**

[Recombination origin of the epidemic A/USSR/90/77 strains of influenza virus] Kozlov IuV, et al. **Dokl Akad Nauk SSSR** 1981;257(3):721–4 **(Rus)**

[Mitochondria antibiotic-resistance mutations in Saccharomyces cerevisiae, their recombination and effect on induction of respiration-deficient mitochondrial mutations by ethyl alcohol] Bandas EL, et al. **Genetika (Moskva)** 1980;16(9):1556–63 (Eng. Abstr.) **(Rus)**

[Genetic control of plasmid F' formation. II. Role of recipient recA- in the process of plasmid F' formation] Gorelov VN, et al. **Genetika (Moskva)** 1980;16(10):1794–1807 (Eng. Abstr.) **(Rus)**

[Morphologico-genetic study of the enzymology of T4 phage recombination. II. Effect of antimutational T4 DNA-polymerase on correction-type recombination] Shcherbakov VP, et al. **Genetika (Moskva)** 1980; 16(7):1143–53 (Eng. Abstr.) **(Rus)**

[Simple method of determining the R(xi) parameter of a half-chromatid chiasma] Shcherbakov VP, et al. **Genetika (Moskva)** 1980;16(6):967–74 (Eng. Abstr.) **(Rus)**

[Formal genetic study of the enzymology of T4 phage recombination. I. Effect of the antimutational T4 DNA-polymerase on noncorrection-type recombination] Shcherbakov VP, et al. **Genetika (Moskva)** 1980; 16(6):947–56 (Eng. Abstr.) **(Rus)**

['Silent' marker effect in T4-phage recombination] Shcherbakov VP, et al. **Genetika (Moskva)** 1981;17(3):411–9 (Eng. Abstr.) **(Rus)**

[Contribution of correction to genetic recombination in T4-phage measured in 3-factor crosses over indicator distances] Shcherbakov VP, et al. **Genetika (Moskva)** 1981; 17(3):556–9 (Eng. Abstr.) **(Rus)**

[Influence of DNA superhelicity on the major genetic processes in prokaryotes] Gragerob AI, et al. **Mol Biol (Mosk)** 1980;14(1):8–34 (Eng. Abstr.) **(Rus)**

[Use of mathematical recombination models for mapping Escherichia coli K-12 markers] Dromashko SE, et al. **Tsitol Genet** 1979 Nov-Dec;13(6):492–6 (Eng. Abstr.) **(Rus)**

[Genetic properties of phage lambda recombinant molecules. The effect of an inserted fragment on the hybrid yield and recombination with respect to the h- and vir-markers] Maliuta SS, et al. **Tsitol Genet** 1980 Sep-Oct;14(5):73–6 (Eng. Abstr.) **(Rus)**

[Antigenic recombinants of human influenza viruses with viruses isolated from wild birds] Podcherniaeva RIa, et al. **Vopr Virusol** 1980 Jul-Aug;(4):419–24 (Eng. Abstr.) **(Rus)**

[Transmission of remantadine resistance as a result of successive recombinations of human and animal influenza viruses] Podcherniaeva RIa, et al. **Vopr Virusol** 1980 Nov-Dec;(6):705–8 **(Rus)**

[Protoplast fusion--a new method of obtaining recombinant strains] Azizbekian RR. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Dec;(12):3–9 (41 ref.) **(Rus)**

[Genetic recombination within the HLA system (author's transl)] Ercilla MG, et al. **Sangre (Barc)** 1980; 25(6):999–1008 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Loss of Hfr DNA from Escherichia coli merozygotes during inhibition of conjugation by nalidixic acid. Lloyd RG, et al. **Genet Res** 1980 Aug;36(1):69–79

Effect of ethylenediaminetetraacetic acid on deoxyribonucleic acid entry and recombination in transformation of a wild-type strain and a rec-1 mutant of Haemophilus influenzae. Noteborn M, et al. **J Bacteriol** 1981 Mar;145(3):1189–95

Correspondent reaction of mitotic recombination in yeast and sister chromatid exchange in human lymphocytes. Fahrig R. **MGG** 1981;181(1):147–9

Both caffeine-induced lethality and the negative liquid holding effect, in UV- or gamma-irradiated wild-type Schizosaccharomyces pombe, are consequences of interference with a recombinational repair process. Gentner NE. **MGG** 1981;181(3):283–7

Relation between liquid-holding recovery, DNA repair, and mitotic recombination in the rad3 mutant of Saccharomyces cerevisiae after treatment with diepoxybutane (DEB). Zuk J, et al. **MGG** 1980;180(3):597–603

A possible mechanism for an interaction between postreplication recombination repair and base misincorporation in mutation induction by N-methyl-N'-nitro-N-nitrosoguanidine in Haemophilus influenzae. Kimball RF. **Mutat Res** 1980 Aug;72(3):347–59

2-fluorenamine-indirect recombinogen for Saccharomyces cerevisiae. Pavlov YI, et al. **Mutat Res** 1981 May; 91(3):221–4

The effect of chemicals on induction of recombination in an F' histidine merozygote of Escherichia coli. Rich D, et al. **Mutat Res** 1980 Sep;72(2):327–8

Comparison of mutagenic and recombinogenic effects of some adenine analogues in Saccharomyces cerevisiae D7. Sorenson WG, et al. **Mutat Res** 1981 Jun;82(1):95–100

[Mitotic recombination in cleavage divisions of Drosophila melanogaster. V. Effect of ethylmethane sulfonate on female parents] Miasniankina EN, et al. **Genetika (Moskva)** 1980 Apr;16(4):622–7 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

UV-induced mitotic recombination and its dependence on photoreactivation and liquid holding in the rad6-1 mutant of Saccharomyces cerevisiae. Haladus E, et al. **MGG** 1980; 180(3):591–6

Differential effect of UV irradiation on induction of intragenic and intergenic recombination during commitment to meiosis in Saccharomyces cerevisiae. Machida I, et al. **Mutat Res** 1980 Nov;73(1):69–79

[Effect of Saccharomyces cerevisiae RAD54 mutation on gamma ray-induced reciprocal mitotic recombination] Kasinova GV. **Genetika (Moskva)** 1980;16(11):2058–60 (Eng. Abstr.) **(Rus)**

[Mitotic recombination in cleavage divisions of Drosophila melanogaster. IV. Effect induced by radiation in female parents] Miasniankina EN, et al. **Genetika (Moskva)** 1980 Apr;16(4):614–21 (Eng. Abstr.) **(Rus)**

RECORDS

CME reporting standards should be rethought [letter] White BC. **Ann Emerg Med** 1981 Aug;10(8):448–9

A financial recording system for the OR. Zinns NA. **AORN J** 1981 Mar;33(4):677–80

Extensions to a veterinary health and management program data system for dairy herds. Williamson NB, et al. **Aust Vet J** 1980 Oct;56(10):474–6

Computerisation of diabetic clinic records. Watkins GB, et al. **Br Med J** 1980 Nov 22;281(6252):1402–3

International conference on byssinosis. Overview of environmental evaluation and control. Corn M. **Chest** 1981 Apr;79(4 Suppl):91S–94S

Word processing in O.R. management. Morrison G. **Dimens Health Serv** 1980 Mar;57(3):18, 20

Use of combined admissions form ends repeated patient questioning. Bowen BJ. **Hospitals** 1981 Jul 1;55(13):63–4

Population based cancer registry: need and importance to the community. Jussawalla DJ, et al. **Indian J Cancer** 1980 Sep;17(3):146–8

Medical records and the law. Rumore JJ, et al. **J Am Vet Med Assoc** 1981 Feb 1;178(3):202–5 (18 ref.)

Comprehensibility of the Dental Estimates Form FP17. Gelbier S, et al. **J Dent** 1980 Dec;8(4):349–54

Maintenance of books of account compulsory for medical practitioners. Lakhotia RN. **J Indian Med Assoc** 1980 Mar 1;74(5):100–1

Sealed adoption records: the right 'no!'. Lloyd WC 3d. **J Leg Med (Chicago)** 1979 Dec;1(3):292–311

Patient census sheets [letter] Rush D, et al. **J Med Educ** 1980 Sep;55(9):809–10

Computerized newborn intensive care data recording, reporting, and research. III. A practical microcomputer system. Jan:k DS, et al. **J Pediatr** 1980 Sep;97(3):497–500

Legal aspects of child abuse: guidelines for the nurse. Kreitzer M. **Nurs Clin North Am** 1981 Mar;16(1):149–60

Medical staff and hospital administration uses of discharge abstract data. Schumacher DN, et al. **QRB** 1981 Jun; 7(6):26–35

Health insurance records in the course of alcoholism. A two-year follow-up study. Berglund M. **Scand J Soc Med** 1980;8(3):125–9

Emergency department trauma care: priorities and documentation. Frazier WH, et al. **Surg Clin North Am** 1980 Oct;60(5):1009–20

Coping with a revenue agent's examination. **Top Health Care Financ** 1980 Winter;7(2):29–35

[Information from the medical service. I. What advantages are there in the informational administration of patients' hospital records?] Froment A. **Nouv Presse Med** 1980 Mar 29;9(15):1093–4 concl **(Fre)**

[A computerized questionnaire to the anaesthetic record (author's transl)] Unseld H, et al. **Anaesthesist** 1981 Jun; 30(6):311–7 (Eng. Abstr.) **(Ger)**

[A project for the monitoring of drug risks in public pharmacies] May U. **Soz Praeventivmed** 1980 Mar; 25(1–2):26–8 (Eng. Abstr.) **(Ger)**

[Reports and files using mini-computer system (author's transl)] Yatomi K, et al. **Rinsho Hoshasen** 1981 Jan; 26(1):163–6 (Eng. Abstr.) **(Jpn)**

[Method of coding and computer storage of electrocardiographic records] Zerbe F, et al. **Kardiol Pol** 1980;23(10):873–9 (Eng. Abstr.) **(Pol)**

[Computer storage and seeking of data from case records of otolaryngological patients (author's transl)] Swiątkowska M, et al. **Otolaryngol Pol** 1980;34(2–3):231–7 (Eng. Abstr.) **(Pol)**

[Numerical system for storing the individual records of outpatients in district polyclinics] Iakubov EA, et al. **Sov Zdravookhr** 1981;(4):16–9 (Eng. Abstr.) **(Rus)**

LEGISLATION & JURISPRUDENCE

Patient access to hospital records: a pilot project. McFarlane WJ, et al. **Can J Psychiatry** 1980 Oct;25(6):497–502

STANDARDS

Managing forms to manage the hospital. Bunn KL. **Dimens Health Serv** 1981 Jun;58(6):40

Wanted: a uniform reporting system. Churchill H, et al. **Dimens Health Serv** 1981 Feb;58(2):9–12

Waiting list: the neglected statistic. Weaver PG. **Dimens Health Serv** 1981 May;58(5):34–7

Investigative reporting cuts risk at psychiatric facility. Huber GA, et al. **Hospitals** 1981 May 1;55(9):73–6

Keeping of case records in equine practice. Irwin DH. **J S Afr Vet Assoc** 1980 Sep;51(3):193–4

RECOVERY ROOM

Unusual case of recovery room air pollution [letter] Lichtenthal PR, et al. **Anesth Analg (Cleve)** 1980 Sep; 59(9):711

Operating room temperature prior to surgical draping: effect on patient temperature in recovery room. Roizen MF, et al. **Anesth Analg (Cleve)** 1980 Nov;59(11):852–5

Recovery room care of the surgical patient. Cullen DJ. **Int Anesthesiol Clin** 1980 Fall;18(3):39–52

The recovery room as a nursing service. Andrewes SJ. **J R Soc Med** 1979 Apr;72(4):275–7

Complications in the recovery room. Eltringham RJ. **J R Soc Med** 1979 Apr;72(4):278–80

Do we need recovery rooms? Farman JV. **J R Soc Med** 1979 Apr;72(4):270–3

Pattern of work in the recovery room. Hudson RB. **J R Soc Med** 1979 Apr;72(4):273–5

[The recovery room – function and organization (author's transl)] Kilian J, et al. **Anaesth Intensivther Notfallmed** 1981 Apr;16(2):107–11 (Eng. Abstr.) **(Ger)**

STANDARDS

The postanesthetic recovery room. Warfield CA, et al. **Int Anesthesiol Clin** 1981 Summer;19(2):63–75 (23 ref.)

RECREATION

Waterslide injuries. Malpass CA Jr, et al. **Ann Emerg Med** 1981 Jul;10(7):360–3

The urban cowboy syndrome. Seager SB, et al. **Ann Emerg Med** 1981 May;10(5):252–3

Effect of discothèque environment on epileptic children. Berney TP, et al. **Br Med J [Clin Res]** 1981 Jan 17; 282(6259):180–2

Ergonomic aspects of sport and recreation. Reilly T. **Can J Appl Sport Sci** 1981 Mar;6(1):1–10

Creating a satisfying recreation program for the elderly. Sproxton L. **Dimens Health Serv** 1980 Dec;57(12):27–8

Playing ball, making music—finding ways to communicate. **Hospitals** 1980 Nov 1;54(21):46–8

Idea forum: needlework art. **Hospitals** 1981 Feb 1;55(3):36–7

Developmental approaches to therapeutic recreation programming: a new research focus. Kinney WB, et al. **Int J Rehabil Res** 1980;3(2):153–62

An evening diversional activity program for psychiatric patients. Singerman B, et al. **J Psychiatr Nurs** 1980 Dec; 18(12):28–31

Space Invaders' wrist [letter] McCowan TC. **N Engl J Med** 1981 May 28;304(22):1368

Slot-machine tendinitis [letter] Neiman R, et al. **N Engl J Med** 1981 May 28;304(22):1368

Open-ended participation questions in sport and physical recreation surveys: a possible sex bias. Smith SL, et al. **Res Q Exerc Sport** 1980 Dec;51(4):732–7

Prevention of pack palsy [letter] Schmerl EF. **West J Med** 1980 Sep;133(3):255

[Does a handicapped person disturb the vacation enjoyment of a non-handicapped person? Remarks on the Frankfurt handicapped judgment] Scholler H. **Fortschr Med** 1981 Feb 19;99(7):203–6 **(Ger)**

[Vacation-related skin diseases] Niebauer G. **Z Hautkr** 1980 Oct 15;55(20):1378–87 **(Ger)**

[The assessment of natural recreational waters from a bacteriological, hygienic point of view (author's transl)] Havemeister G. **Zentralbl Bakteriol [B]** 1980; 172(1–3):215–26 (Eng. Abstr.) **(Ger)**

[On measuring of factors influencing the complex need for cultural entertainments of the inhabitants in geriatric nursing homes (3rd information) (author's transl)] Kuhlmey J, et al. **ZFA (Dresden)** 1980;35(1):47–54 (Eng. Abstr.) **(Ger)**

[The measurement of factors influencing on complex needs of the inhibitants in geriatric nursing homes for cultural entertainment (author's transl)] Kuhlmey J, et al. **ZFA (Dresden)** 1980;34(6):511–20 (Eng. Abstr.) **(Ger)**

[Health needs of the population of Sverdlovsk for suburban short-term rest and recreation] Markosian TM, et al. **Gig Sanit** 1980 Sep;(9):44–7 **(Rus)**

[Hygienic evaluation of modern design, construction and public health and welfare organization practice for short-term recreation sites in the suburbs of Sverdlovsk] Markosian TM, et al. **Gig Sanit** 1981 Mar;(3):16–9 (Eng. Abstr.) **(Rus)**

RECRUITMENT (NEUROLOGY) see under **NEURAL CONDUCTION**

RECRUITMENT DETECTION (AUDIOLOGY)

[A contribution to binaural impulse modulaton (author's transl)] von Wedel H. **Laryngol Rhinol Otol (Stuttg)** 1980 Feb;59(2):132–6 (Eng. Abstr.) **(Ger)**

METHODS

The graph of loudness recruitment (ABLB-test). Fritze W. **Arch Otorhinolaryngol** 1980;226(1–2):11–3

Reflex modulation and loudness recruitment. Reiter LA, et al. **J Aud Res** 1979 Jul;19(3):201–7

[Is Metz' test a recruitment test?] Debruyne F. **Acta Otorhinolaryngol Belg** 1979;33(6):944–8 **(Dut)**

RECRUITMENT, LOUDNESS

DIAGNOSIS

The graph of loudness recruitment (ABLB-test). Fritze W. **Arch Otorhinolaryngol** 1980;226(1–2):11–3

Reflex modulation and loudness recruitment. Reiter LA, et al. **J Aud Res** 1979 Jul;19(3):201–7

[Is Metz' test a recruitment test?] Debruyne F. **Acta Otorhinolaryngol Belg** 1979;33(6):944–8 **(Dut)**

[A contribution to binaural impulse modulaton (author's transl)] von Wedel H. **Laryngol Rhinol Otol (Stuttg)** 1980 Feb;59(2):132–6 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Acute cochlear disorders: the combination of hearing loss, recruitment, poor speech discrimination, and tinnitus. Tonndorf J. **Ann Otol Rhinol Laryngol** 1980 Jul–Aug;89(4 Pt 1):353–8

RECTAL DISEASES

CHEMICALLY INDUCED

Allergic necrosis of the rectum. Schouten WR, et al. **Neth J Surg** 1981 May;33(2):91–3

Report on a double-blind, proctoscopic and clinical comparison of flurbiprofen suppositories and indomethacin suppositories, in osteoarthrosis. Perolo A, et al. **Panminerva Med** 1979 Oct–Dec;21(4):181–9

A double-blind, proctoscopic and clinical comparison of flurbiprofen suppositories and ibuprofen suppositories in osteoarthrosis. Rizzi B, et al. **Panminerva Med** 1979 Oct–Dec;21(4):173–80

COMPLICATIONS

Solitary ulcer of the rectum: report of a case and review of the literature. Misumi A, et al. **Gastroenterol Jpn** 1981; 16(3):286–94 (55 ref.)

Proctalgia fugax and psychiatric illness [letter] Stanley OT. **Med J Aust** 1981 Jan 24;1(2):90

Melanosis coli in a child of four years. Price BA, et al. **Postgrad Med J** 1980 Dec;56(662):854–6

[Management of anal fistula following peri-anal infection in infants (author's transl)] Zhang JZ. **Chung Hua Wai Ko Tsa Chih** 1979;17(3):203–4 **(Chi)**

DIAGNOSIS

Sarcoidosis of the stomach and rectum. Konda J, et al. **Am J Gastroenterol** 1980 Jun;73(6):516–8

Anorectal manifestations of inflammatory bowel disease. Keddie N. **Br J Hosp Med** 1980 Oct;24(4):294, 296–7

Solitary ulcer of the rectum—or is it? A report of 6 cases. Thomson G, et al. **Br J Surg** 1981 Jan;68(1):21–4

Diagnosis and management of anorectal gonorrhoea in women. Stansfield VA. **Br J Vener Dis** 1980 Oct; 56(5):319–21

Flexible sigmoidoscopy — an office procedure. Mohanty SK, et al. **J Med Assoc Ga** 1981 Mar;70(3):181–2

Clinical experience with flexible sigmoidoscopy in asymptomatic and symptomatic patients. Meyer CT, et al. **Yale J Biol Med** 1980 Sep–Oct;53(5):345–52

[Diagnostic contribution of colonoscopy] Nedbal J, et al. **Cesk Gastroenterol Vyz** 1980 Oct;34(7):480–1 **(Cze)**

[Proctological problems – diagnosis and therapy] Christiansen J. **Nord Med** 1981 Feb;96(2):48–50 **(Dan)**

[Rectal actinomycosis. Study on a pseudo-neoplastic tumoral germ (author's transl)] Alexandre JH, et al. **Ann Chir** 1981 May;35(5):361–4 (Eng. Abstr.) **(Fre)**

[Ruptures and 'spontaneous' perforations of the rectum and sigmoid: a report on two cases and review of the published literature (author's transl)] Laborde Y, et al. **J Chir (Paris)** 1980 Sep;117(8–9):463–7 (Eng. Abstr.) **(Fre)**

[Solitary rectal ulcer: differential diagnosis] Kuntz HD. **MMW** 1980 Aug 29;122(35):Suppl 33 **(Ger)**

[Illness due to enterolith in children (author's transl)] Bartosch B, et al. **Paediatr Padol** 1981;16(3):307–10 (Eng. Abstr.) **(Ger)**

[Rectorrhagia and rectosigmoidoscopy in children] Alarcón T, et al. **Rev Chil Pediatr** 1979 Nov–Dec;50(6):27–30 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Rectal gonorrhoea in male homosexuals. Presentation and therapy. Fluker JL, et al. **Br J Vener Dis** 1980 Dec; 56(6):397–9

Treating of anorectal gonorrhea [letter] Neumann HH. **JAMA** 1980 Sep 26;244(13):1437

Therapy of anorectal gonorrhea in men. Efficacy of oral antibiotic regimens. Sands M, et al. **West J Med** 1980 Dec; 133(6):469–71

ETIOLOGY

Prostatic carcinoma: rectal bleeding after radiation therapy. Kagan AR, et al. **AJR** 1981 Jun;136(6):1207–8

Solitary rectal ulcer: always a self-induced condition? Thomson H, et al. **Br J Surg** 1980 Nov;67(11):784–5

Rectal membrane: an unusual complication following use of the circular stapling instrument for colorectal anastomosis. Brain J, et al. **Surgery** 1981 Feb;89(2):271–4

[Colo-rectal and colo-anal invagination] Christoffersen H, et al. **Ugeskr Laeger** 1980 Jun 30;142(27):1760 (Eng. Abstr.) **(Dan)**

[Solitary rectal ulcer: associated total rectal prolapse. Recovery after rectopexy (letter)] Sondag D, et al. **Gastroenterol Clin Biol** 1980 Dec;4(12):912–3 **(Fre)**

[Rectal ulcers caused by animal sodomy (letter)] Tournier C, et al. **Nouv Presse Med** 1981 Mar 28;10(14):1152 **(Fre)**

[Ano-rectal diseases observed at a venereal disease polyclinic] Van den Dries H, et al. **Phlebologie** 1980 Oct-Dec;33(4):705–9 (Eng. Abstr.) **(Fre)**

[A rare cause of subileus and rectosigmoid hemorrhage] Kapitanović M. **Acta Chir Iugosl** 1980;27 Suppl 1:409–13 **(Scr)**

OCCURRENCE

Epidemiology of anorectal disease: a review. Willcox RR. **J R Soc Med** 1980 Jul;73(7):508–9

[Incidence of proctological diseases] Sultanov GA. **Sov Zdravookhr** 1981;(5):41–5 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Crohn's disease in an isolated rectal stump. Jirsch DW, et al. **Dis Colon Rectum** 1980 Sep;23(6):426–9

Solitary rectal ulcer: two examples. Lifschultz BD, et al. **J Med Soc NJ** 1981 Feb;78(2):116–8

[Histopathological features of the solitary ulcer syndrome of the rectum (author's transl)] Bogomoletz W, et al. **Arch Anat Cytol Pathol** 1980;28(6):329–34 (Eng. Abstr.) **(Fre)**

[Histogenesis of tumors composed of carcinoid tumor and adenocarcinoma structures complicated by Paget's disease of the rectum] Szczepański W. **Patol Pol** 1980 Apr-Jun; 31(2):211–7 (Eng. Abstr.) **(Pol)**

PREVENTION & CONTROL

Recent advances in dietary fiber and colorectal diseases. Spiller GA, et al. **Am J Clin Nutr** 1981 Jun;34(6):1145–52 (69 ref.)

RADIOGRAPHY

Benign (solitary) ulcer of the rectum -- another cause for rectal stricture. Chapa HJ, et al. **Gastrointest Radiol** 1981 Jan 15;6(1):85–8

SURGERY

The surgical treatment of the radiation-damaged rectum. Cooke SA, et al. **Br J Surg** 1981 Jul;68(7):488–92

Antibiotics in surgical treatment of acute abscesses [letter] Grace R. **Br Med J** 1980 Nov 15;281(6251):1353

Problems of minor anal surgery: a review. Grace R. **J R Soc Med** 1980 Aug;73(8):576–8

[Value of circular mechanical colon and rectum anastomosis. Prospective study of 91 patients] Thiede A, et al. **Chirurg** 1981 Jan;52(1):30–5 (Eng. Abstr.) **(Ger)**

[Free colorectal perforations. Treatment and results] Steegmüller KW. **Zentralbl Chir** 1980;105(10):656–9 **(Ger)**

[Sphincterotomy in the surgical treatment of abscesses of the anorectal region] Ghergut A, et al. **Rev Chir [Chir]** 1981 Mar-Apr;30(2):101–6 (Eng. Abstr.) **(Rum)**

THERAPY

Anorectal disorders. Arko FR. **Am Fam Physician** 1980 Oct; 22(4):121–6

Natural history of perianal Crohn's disease. Ten year follow-up: a plea for conservatism. Buchmann P, et al. **Am J Surg** 1980 Nov;140(5):642–4

Benign disease of the anus, rectum and colon. Thornton J, et al. **J Natl Med Assoc** 1981 Jan;73(1):47–52

Acute and chronic benign ulcers of the rectum. Duff JH, et al. **Surg Gynecol Obstet** 1981 Sep;153(3):398–400

[Proctology (author's transl)] Dürig M, et al. **Ther Umsch** 1980 Sep;37(9):725–7 (Eng. Abstr.) **(Ger)**

TRANSMISSION

The rectum as viewed by the venereologist. Willcox RR. **Br J Vener Dis** 1981 Feb;57(1):1–6

VETERINARY

Perineal hernia in dogs. Bellenger CR. **Aust Vet J** 1980 Sep; 56(9):434–8

Anorectal and perianal cryosurgery. Liska WD. **Vet Clin North Am [Small Anim Pract]** 1980 Nov; 10(4):803–20

Intestinal perforation and pleuroperitonitis in ascaridiasis in White Leghorn cockerel. Vegad JL, et al. **Vet Rec** 1979 Jul 7;105(1):16

RECTAL FISTULA

CONGENITAL

[Congenital recto-urethral fistula. Report of one case without associated anorectal malformation (author's transl)] Sachot JL, et al. **J Urol (Paris)** 1980;86(9):681–3 (Eng. Abstr.) **(Fre)**

[Congenital recto-urethral fistulas in adults. Two cases (author's transl)] Tostain J, et al. **J Urol (Paris)** 1980; 86(8):605–8 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Anal complications in Crohn's disease. Williams DR, et al. **Dis Colon Rectum** 1981 Jan-Feb;24(1):22–4

Occurrence and outcome after primary treatment of anal fistulae in Crohn's disease. Hellers G, et al. **Gut** 1980 Jun; 21(6):525–7

[Crohn's disease of the anus] Arnous J. **Phlebologie** 1980 Oct-Dec;33(4):699–704 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Rectourethral fistula on the urethrogram. Lebowitz RL, et al. **Urol Radiol** 1979;1(1):53–9

RADIONUCLIDE IMAGING

Demonstration of a vesicorectal fistula on a bone scan. Makhija MC, et al. **Clin Nucl Med** 1981 Jun;6(6):276–7

SURGERY

Carbon dioxide laser in the treatment of high anal fistula. Slutzki S, et al. **Am J Surg** 1981 Mar;141(3):395–6

Anterior rectal advancement flap in the repair of benign rectoprostatic fistula. Johnson WR, et al. **Aust NZ J Surg** 1981 Aug;51(4):383–5

A method of repair of recurrent recto-vesico-prostatic fistula following prostatectomy. Antony J. **J Urol** 1980 Dec; 124(6):936–7

Single stage repair of rectourinary fistula. Henderson DJ, et al. **J Urol** 1981 Apr;125(4):592–3

Surgical management of extensive ano-rectal stricture with recto-urethral fistula resulting from previous ano-rectal surgery. Chen WJ. **Taiwan I Hsueh Hui Tsa Chih** 1980 Sep;79(9):819–27

[Management of anal fistula following peri-anal infection in infants (author's transl)] Zhang JZ. **Chung Hua Wai Ko Tsa Chih** 1979;17(3):203–4 **(Chi)**

[Comfort and discomfort; the perianal abscess and the anal fistula] van Vroonhoven TJ. **Ned Tijdschr Geneeskd** 1980 Sep 27;124(39):1625–7 **(Dut)**

[Surgical treatment of anal fistulas by syringotomy using the Simonetti method] Catona A, et al. **Chir Ital** 1980 Dec; 32(6):1566–70 **(Ita)**

[Treatment of peri-anal fistulas. A current problem] Tajana A, et al. **Minerva Chir** 1980 Aug 15-31;35(15-16):1085–90 (Eng. Abstr.) **(Ita)**

[surgical treatment of recurrent rectal fistulae] Navruzov SN, et al. **Khirurgiia (Mosk)** 1981 Jul;(7):57–62 (Eng. Abstr.) **(Rus)**

[Incomplete internal rectal fistulae] Selivanov VI. **Klin Khir** 1981 Feb;(2):57–8 **(Rus)**

[Repeated operations in urethrorectal fistulae in boys] Leniushkin AN, et al. **Urol Nefrol (Mosk)** 1980 Nov-Dec; (6):10–4 (Eng. Abstr.) **(Rus)**

[Surgical treatment of extra-sphincter rectal fistulas] Blinnichev NM, et al. **Vestn Khir** 1981 Jun;126(6):58–62 (Eng. Abstr.) **(Rus)**

THERAPY

Outcome following treatment of anal fistulae in Crohn's disease. Bergstrand O, et al. **Acta Chir Scand [Suppl]** 1980; Suppl 500:43–4

RECTAL NEOPLASMS

Natural history of patients with untreated liver metastases from colorectal cancer. Bengtsson G, et al. **Am J Surg** 1981 May;141(5):586–9

Studies on the treatment and prevention of colorectal liver metastases. Taylor I. **Ann R Coll Surg Engl** 1981 Jul; 63(4):270–6 (36 ref.)

Screening for liver metastases from colorectal cancer with carcinoembryonic antigen and alkaline phosphatase. Tartter PI, et al. **Ann Surg** 1981 Mar;193(3):357–60

Massive pulmonary lymphangitic metastases from rectal cancer. Smith J. **Clin Bull** 1980;10(3):127–9

Resected ovarian recurrence from colorectal adenocarcinoma: a study of 13 cases. Blamey SL, et al. **Dis Colon Rectum** 1981 May-Jun;24(4):272–5

Compliance with screening for colorectal cancer [letter] Hoogewerf PE, et al. **Lancet** 1981 Jul 18;2(8238):143

The palliative role of hepatic arterial infusion and arterial occlusion in colorectal carcinoma metastatic to the liver. Patt YZ, et al. **Lancet** 1981 Feb 14;1(8216):349–50

Carcinoma of the colon and rectum: Part 1/Epidemiology, etiology and diagnosis. Ellias EG. **Md State Med J** 1981 Mar;30(3):40–2

Cancer of the bowel [editorial] **NZ Med J** 1981 Jan 14; 93(675):11–2

Ovarian involvement in adenocarcinoma of the colon and rectum. Blamey S, et al. **Surg Gynecol Obstet** 1981 Jul; 153(1):42–4

[Primary anorectal melanoma with duodenal metastases] Martinez Veiga JL, et al. **Rev Clin Esp** 1981 Feb 15; 160(3):193–5 **(Spa)**

ANALYSIS

Correlation of Plasma CEA and CEA tissue staining in poorly differentiated colorectal cancer. Goslin R, et al. **Am J Med** 1981 Aug;71(2):246–53

[Histochemical study of the mucins in the mucosa adjacent to colo-rectal carcinomas associated with single or multiple adenomatous polyps] Lapertosa G, et al. **Pathologica** 1981 May-Jun;73(1025):467–71 (Eng. Abstr.) **(Ita)**

BLOOD

Arteriovenous carcinoembryonic antigen gradient: determination by selective angiography for localization of metastatic colorectal cancer. Patt YZ, et al. **Arch Surg** 1980 Sep;115(9):1122–4

Serum glycoproteins in diagnosis and monitoring of patients with large-bowel cancer. Walker C, et al. **Dis Colon Rectum** 1981 Apr;24(3):171–5

Evaluation of CEA in patients with known residual disease after resection of colonic cancer. Lawton JO, et al. **J R Soc Med** 1980 Jan;73(1):23–8

Rapid detection of polyamines in the sera of patients with colorectal carcinoma by liquid ion-exchange chromatography. Desser H, et al. **Oncology** 1980; 37(6):376–80

[The CEA-concentration in plasma of patients with colorectal carcinoma and polyps has been determined by radioimmunoassay (RIA, Z-gel-method)] Ziegenbein R, et al. **Arch Geschwulstforsch** 1980;50(2):165–8 (Eng. Abstr.) **(Ger)**

[Clinical significance of routine serum CEA determination in postoperative control in colorectal cancer] Pompecki R, et al. **Med Welt** 1980 Dec 5;31(49):1780–3 **(Ger)**

[Is the clinical significance of CEA determination in patients with colorectal carcinoma exaggerated?] Wedell J, et al. **Med Welt** 1981 Mar 13;32(11):343–7 **(Ger)**

[Blood rheological changes in rectal cancer patients due to intensive gamma therapy and surgery] Lisetskii VA, et al. **Klin Khir** 1981 Feb;(2):29–31 (Eng. Abstr.) **(Rus)**

BLOOD SUPPLY

Venous permeation of colorectal carcinoma. Lui KK, et al. **Jpn J Surg** 1980 Dec;10(4):284–9

[Diffuse cavernous rectosigmoidal angioma. Relative venous dependence and therapeutic impact] Lagadec B, et al. **Med Chir Dig** 1980;9(5):401–2, 405–6 (Eng. Abstr.) **(Fre)**

CLASSIFICATION

Prognostic groups in colorectal carcinoma. Hermanek P, et al. **J Cancer Res Clin Oncol** 1980;98(2):185–93

[Rectal polyps] Stein E. **ZFA (Stuttgart)** 1980 Oct 10; 56(28):1798–803 **(Ger)**

COMPLICATIONS

Penetrating, obstructing, and perforating carcinomas of the colon and rectum. Kelley WE Jr, et al. **Arch Surg** 1981 Apr;116(4):381–4

Evolution of colorectal cancer in schistsosomiasis: transitional mucosal changes adjacent to large intestinal carcinoma in colectomy specimens. Ming-Chai C, et al. **Cancer** 1980 Oct 1;46(7):1661–75

Prostaglandin E2-mediated secretory diarrhea in villous adenoma of rectum: effect of treatment with indomethacin. Steven K, et al. **Gastroenterology** 1981 Jun;80(6):1562–6

Rectal carcinoma associated with glioblastoma multiforme of the brain. Reddy EK. **J Kans Med Soc** 1980 Oct; 81(10):458–9

Metachronous primary carcinoma of small bowel following resected colorectal carcinoma: a report of three cases. Honoré LH. **J Surg Oncol** 1980;14(4):341–6

Ectopic Cushing's syndrome in cloacogenic carcinoma of the anal canal: a case demonstrating APUD characteristics. Bankole DO, et al. **Yale J Biol Med** 1980 Nov-Dec; 53(6):543–53

[Association of a primary epidermoid carcinoma with a villous rectal tumor (letter)] Gineston JL, et al. **Nouv Presse Med** 1980 Aug 30-Sep 6;9(31):2161–2 **(Fre)**

[Malignant retroperitoneal fibrosis due to metastasizing non-urologic tumors as a cause of hydronephrosis] Oesterwitz H, et al. **Z Urol Nephrol** 1981 May;74(5):355–61 **(Ger)**

[Infective endocarditis associated with colorectal carcinoma] Halevy J, et al. **Harefuah** 1980 Oct 15;99(8):220–1 (Eng. Abstr.) **(Heb)**

[Intestinal occlusion in colo-rectal cancer] Lavorato F, et al. **Minerva Chir** 1981 Apr 30;36(8):505–9 (Eng. Abstr.) **(Ita)**

[Anorectal malignant melanoma. A case in the anorectal junction synchronous with adenocarcinoma of the sigmoid] Secco GB, et al. **Minerva Chir** 1981 May 15;36(9):615–20 **(Ita)**

[Verrucous spinous-cell carcinoma developed in the course of condylomata acuminata] Zabel' E, et al. **Vestn Dermatol Venerol** 1980 Dec;(12):51–2 **(Rus)**

[Resistance to the inhibiting action of dexamethasone and the risk of postoperative complications in colonic and rectal cancer] Ostroumova MN, et al. **Vopr Onkol** 1981; 27(4):48–52 (Eng. Abstr.) **(Rus)**

[Psychogenic reactions in cancer patients] Bazhin EF, et al. **Zh Nevropatol Psikhiatr** 1980;80(8):1198–1204 (Eng. Abstr.)

(Rus)

[Multiple cancers of the colon and rectum] Abad Esteve A, et al. **Rev Esp Enferm Apar Dig** 1981 Feb;59(2):199–202 (Eng. Abstr.) **(Spa)**

[Villous tumor of the rectum complicated by dehydration and uremia. Report of a new case] Viar Ponte J. **Rev Esp Enferm Apar Dig** 1981 Jan;59(1):107–10 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Diagnosis of colonic tumors [letter] Dux S. **Am J Gastroenterol** 1980 Oct;74(4):376

Unusual presentation of adenocarcinoma of the rectum. Dobrin P, et al. **Am J Proctol Gastroenterol Colon Rectal Surg** 1981 Feb; 32(2):10, 12–3

Vaginal fibroma presenting as a large rectovaginal septal mass. Milano CT, et al. **Am J Proctol Gastroenterol Colon Rectal Surg** 1980 Aug; 31(8):21–2

Colorectal cancer and hemoccult. Chambers KJ, et al. **Aust NZ J Surg** 1980 Oct;50(5):464–7

Knowledge of colorectal cancer and attitude to occult blood testing among recent medical graduates in New South Wales. Dent O, et al. **Aust NZ J Surg** 1981 Apr; 51(2):137–44

Benign mesenchymal tumours of the colon and rectum: a retrospective study. Jaworski RC. **Aust NZ J Surg** 1980 Dec;50(6):586–8

The early detection of colorectal malignant disease [editorial] Pheils MT. **Aust NZ J Surg** 1980 Oct;50(5):452–3

False-negative results of Hemoccult test in colorectal cancer. Griffith CD, et al. **Br Med J [Clin Res]** 1981 Aug 15; 283(6289):472

ACS report on the cancer-related health checkup. Eddy E. **CA** 1980 Jul–Aug;30(4):193–240

Colorectal cancer--Prevention and detection. Lefall LD Jr. **Cancer** 1981 Mar 1;47(5 Suppl):1170–2

Synchronous and metachronous malignancies of the colon and rectum. Burns FJ. **Dis Colon Rectum** 1980 Nov–Dec; 23(8):578–9

Clinical evaluation of the Makari Intradermal Test in patients with cancer of the colon and rectum. Panahandeh A, et al. **Dis Colon Rectum** 1981 Apr;24(3):161–70

Intramural extravasation of barium simulating carcinoma of the rectum. Phelps JE, et al. **Dis Colon Rectum** 1981 Jul–Aug;24(5):388–90

Functioning heterotopic oxyntic mucosa in the rectum. Debas HT, et al. **Gastroenterology** 1980 Dec;79(6):1300–2

Monitoring of colon cancer through measurement of carcinoembroyonic antigen levels, tests of cellular immune competence, and tumor specific immunity. Holyoke ED, et al. **Int Adv Surg Oncol** 1978;1:85–111 (101 ref.)

Screening for colorectal cancer. Diehl AK. **J Fam Pract** 1981 Apr;12(4):625–32

Colorectal cancer detection [letter] **JAMA** 1981 Feb 13; 245(6):571–2

Cytology in rectosigmoid cancer [letter] Strachan CJ, et al. **Lancet** 1981 Jan 10;1(8211):93–4

Preoiperative carcinoembryonic antigen level and prognosis in colorectal cancer. Chapuis PH, et al. **Med J Aust** 1980 Aug 9;2(3):140–3

Metastasis to the central nervous system from colorectal cancer. Chyun Y, et al. **Med Pediatr Oncol** 1980;8(3):305–8

Colorectal cancer in young adults. Bedikian AY, et al. **South Med J** 1981 Aug;74(8):920–4

The diagnosis by percutaneous biopsy with computed tomography of a reccurrence of carcinoma of the rectum in the pelvis. Zelas P, et al. **Surg Gynecol Obstet** 1980 Oct; 151(4):525–7

[Proctological problems – diagnosis and therapy] Christiansen J. **Nord Med** 1981 Feb;96(2):48–50 **(Dan)**

[Melanomas in the anorectal area] Willemsen HL, et al. **Ned Tijdschr Geneeskd** 1980 Aug 30;124(35):1454–9 (Eng. Abstr.) **(Dut)**

Evaluation of screening tests for colorectal cancer. Bolt RJ. **Primary Care** 1980 Dec;7(4):683–9 (20 ref.) **(eng)**

[Rectal actinomycosis. Study on a pseudo-neoplastic tumoral germ (author's transl)] Alexandre JH, et al. **Ann Chir** 1981 May;35(5):361–4 (Eng. Abstr.) **(Fre)**

[Primary linitis plastica carcinoma of the colon and the rectum. Report of three personal cases (author's transl)] Sibilly A, et al. **Ann Chir** 1980;34(6):409–14 (Eng. Abstr.) **(Fre)**

[Value of carcino-embryonic antigen in the surveillance of colorectal cancers] Triboulet JP, et al. **Lille Med** 1980 Dec; 25(10):574–7 **(Fre)**

[Digitalis poisoning disclosing a villous rectal tumor (letter)] Buffat JJ, et al. **Nouv Presse Med** 1981 Jun 6;10(25):2120 **(Fre)**

[Diagnosis of colo-rectal tumor by means of hemocult (letter)] Moreaux J. **Nouv Presse Med** 1980 Nov 8; 9(42):3189 **(Fre)**

[Primary linitis plastica carcinoma of the colon and the rectum. Report of three personal cases (author's transl)] Sibilly A, et al. **Sem Hop Paris** 1981 Apr 8–15; 57(13–14):682–7 (Eng. Abstr.) **(Fre)**

[Early diagnosis of colorectal cancer in the aged (author's transl)] Weiss W. **Aktuel Gerontol** 1980 Feb;10(2):79–87 (Eng. Abstr.) **(Ger)**

[Haemoscreen in comparison with haemoccult as screening test for colorectal carcinoma (author's transl)] Gnauck R, et al. **Dtsch Med Wochenschr** 1980 Nov 21;105(47):1643–6 (Eng. Abstr.) **(Ger)**

[Endometriosis of the large intestine] Kuntz HD. **MMW** 1981 Feb 6;123(6):65 **(Ger)**

[Tumors of the anus and lower rectum–a short review (author's transl)] Buchmann P, et al. **Praxis** 1981 Jun 9; 70(24):1086–90 **(Ger)**

[Colorectal polyps – Diagnosis, classification, relation to carcinoma (author's transl)] Hermanek P, et al. **Zentralbl Chir** 1981;106(2):92–102 (Eng. Abstr.) **(Ger)**

[Rectal cancer; problem of diagnosis (author's transl)] Schmidt D, et al. **Zentralbl Chir** 1980;105(20):1353–61 (Eng. Abstr.) **(Ger)**

[Delay in the diagnosis of colorectal carcinoma] Bergman A, et al. **Harefuah** 1980 Dec 15;99(12):410–3 (Eng. Abstr.) **(Heb)**

[Current trends in early diagnosis of colorectal cancer] Russo A, et al. **Ann Ital Chir** 1980;52(3):297–311 **(Ita)**

[CEA assays in postoperative detection of recurrent colorectal carcinoma (author's transl)] Kato K, et al. **Nippon Gan Chiryo Gakkai Shi** 1980 Dec 20;15(7):1137–42 (Eng. Abstr.) **(Jpn)**

[Current status of diagnosis, treatment and early detection of the colorectal cancer (author's transl)] Hojo K. **Rinsho Hoshasen** 1980 Jul;25(7):739–45 (Eng. Abstr.) **(Jpn)**

[Colonoscopic diagnosis of the elevated lesions (author's transl)] Sakai Y. **Rinsho Hoshasen** 1980 Jul;25(7):731–7 (Eng. Abstr.) **(Jpn)**

[Adenocarcinoma of the colon and rectum. Results of a retrospective study of 967 patients] Lunde OC, et al. **Tidsskr Nor Laegeforen** 1981 Apr 30;101(12):716–9 (Eng. Abstr.) **(Nor)**

[Carcinoid tumor of the rectum] Sandberg L, et al. **Tidsskr Nor Laegeforen** 1980 Oct 10;100(28):1662 (Eng. Abstr.) **(Nor)**

[Pseudomyxomatous cyst of the appendix simulating rectal tumor] Karpiński R, et al. **Wiad Lek** 1980 Jun 15; 33(12):985–6 (Eng. Abstr.) **(Pol)**

Trends in optimization of the diagnosis of colorectal cancer. Dumitrașcu D. **Rev Med Interna [Med Interna]** 1980 Jan–Feb;32(1):3–12 **(Rum)**

[Errors in the evaluation of the spread of the process in rectal cancer] Knysh VI, et al. **Khirurgiia (Mosk)** 1980 Oct; (10):81–4 **(Rus)**

[Pararectal cystic teratoid formations and paraproctitis (clinical and diagnostic comparisons)] Koplatadze AM, et al. **Khirurgiia (Mosk)** 1980 Dec;(12):50–5 (Eng. Abstr.) **(Rus)**

[Melanoma of the rectum] Britvin AA. **Sov Med** 1981; (1):111–3 **(Rus)**

[Colonoscopy in rectal cancer] Ezhova GI, et al. **Sov Med** 1981;(5):106–8 **(Rus)**

[Clinical significance of polyps of the large intestine revealed by rectoromanoscopy] Petrov VP, et al. **Vestn Khir** 1980 Jun;124(6):65–7 (Eng. Abstr.) **(Rus)**

[Reasons for the late diagnosis of rectal cancer] Seifart W, et al. **Vopr Onkol** 1981;27(1):40–3 (Eng. Abstr.) **(Rus)**

[Radioimmunoanalytical determination of carcinoembryonic antigen in suspect colorectal carcinoma (author's transl)] Kaušitz J, et al. **Bratisl Lek Listy** 1980 Aug;74(2):194–9 (Eng. Abstr.) **(Slo)**

[Multiple primary carcinomas of the colon and rectum] Monroy Morante C, et al. **Rev Esp Enferm Apar Dig** 1980 Aug;58(2):137–42 **(Spa)**

[Diagnosis and screening of colorectal cancer] Hulthén L, et al. **Lakartidningen** 1980 Aug 6;77(32–33):2685–8 (Eng. Abstr.) **(Swe)**

DRUG THERAPY

The effect of fluorouracil on survival in metastatic colorectal cancer fluorouracil response improves survival. Payne JE, et al. **Aust NZ J Surg** 1981 Feb;51(1):12–6

Comparison of two combination chemotherapy regimens in advanced colorectal cancer. Epenetos AA, et al. **Br Med J** 1980 Aug 30;281(6240):587–8

Therapy for metastatic colorectal carcinoma with a combination of methyl-CCNU, 5-fluorouracil vincristine and streptozotocin (MOF-Strep). Kemeny N, et al. **Cancer** 1980 Mar 1;45(5):876–81

Survival and response to chemotherapy for advanced colorectal adenocarcinoma: an Eastern Cooperative Oncology Group report. Lavin P, et al. **Cancer** 1980 Oct 1;46(7):1536–43

MItomycin C, methyl-CCNU and 5-fluorouracil in the treatment of metastatic colorectal carcinoma. Bonomi PD, et al. **Cancer Chemother Pharmacol** 1980 Nov;5(1):39–42

Modulation of 5-fluorouracil metabolism and cytotoxicity by antimetabolite pretreatment in human colorectal adenocarcinoma HCT-8. Benz C, et al. **Cancer Res** 1981 Mar;41(3):994–9

New doxorubicin analogs active against doxorubicin-resistant colon tumor xenografts in the nude mouse. Giuliani FC, et al. **Cancer Res** 1980 Dec; 40(12):4682–7

Biochemical determinants of responsiveness to 5-fluorouracil and its derivatives in xenografts of human colorectal adenocarcinomas in mice. Houghton JA, et al. **Cancer Res** 1981 Jan;41(1):144–9

Phase II trial: mitomycin c and methotrexate combination therapy for advanced colorectal carcinoma [letter] Budman DR, et al. **Cancer Treat Rep** 1981 May–Jun;65(5–6):535

Phase II evaluation of N-(phosphonacetyl-L-aspartic acid (PALA) in patients with advanced colorectal carcinoma. Carroll DS, et al. **Cancer Treat Rep** 1980 Feb–Mar; 64(2–3):349–51

Phase II evaluation of 4'-(9-acridinylamino)-methanesulfon-m-anisidide (AMSA) in patients with advanced colorectal carcinoma. Carroll DS, et al. **Cancer Treat Rep** 1980 Oct–Nov; 64(10–11):1149–50

Phase II study of cyclophosphamide and cytarabine in the treatment of metastatic adenocarcinoma of the colon and rectum [letter] Denefrio JM, et al. **Cancer Treat Rep** 1981 Jan–Feb;65(1–2):163–4

Phase II study of chlorozotocin in the treatment of advanced colorectal cancer. Lawton JO, et al. **Cancer Treat Rep** 1981 Jan–Feb;65(1–2):13–15

Phase II evaluation of metoprine in patients with advanced colorectal carcinoma. Lynch G, et al. **Cancer Treat Rep** 1981 Jan–Feb;65(1–2):127–8

A phase II study of fluorodopan in the treatment of advanced colorectal cancer. Nair KG, et al. **Cancer Treat Rep** 1980 Apr–May;64(4–5):697–99

Lack of clinical therapeutic synergism between cyclophosphamide, adriamycin, and cis-dichlorodiammineplatinum(II) in metastatic human colorectal carcinoma. O'Connell MJ, et al. **Cancer Treat Rep** 1980 Feb–Mar;64(2–3):311–3

Phase III study of ICRF-159 versus 5-FU in the treatment of advanced metastatic colorectal carcinoma. Paul AR, et al. **Cancer Treat Rep** 1980 Oct–Nov;64(10–11):1047–9

Baker's antifol in combination with 5-fluorouracil and methyl-CCNU in the treatment of metastatic colorectal cancer: a Southwest Oncology Group Study (Protocol 7764). Shaw MT, et al. **Cancer Treat Rep** 1980 Feb–Mar; 64(2–3):247–50

Phase II evaluation of N-(phosphonacetyl)-L-aspartic acid (PALA) in metastatic adenocarcinoma of the colon or rectum. Van Echo DA, et al. **Cancer Treat Rep** 1980 Feb–Mar;64(2–3):339–42

Combination chemotherapy for advanced colorectal cancer with triazinate, ICRF-159, 5-FU, and methyl-CCNU. Vogl SE, et al. **Cancer Treat Rep** 1980 Oct–Nov; 64(10–11):1143–5

Chemotherapy of human colorectal tumor xenografts in athymic mice with clinically active drugs: 5-fluorouracil and 1-3-bis-(-2-chloroethyl)-1-nitrosourea (BCNU). Comparison with doxorubicin derivatives: 4'deoxydoxorubicin and 4'-O-methyldoxorubicin. Giuliani FC, et al. **Int J Cancer** 1981 Jan 15;27(1):5–13

Studies in an animal model on the effectiveness of adjuvant chemotherapy with 5-FU and BCNU in cases of colorectal adenocarcinoma. Schmitz R, et al. **J Cancer Res Clin Oncol** 1981;100(2):213–20

Clinical studies of intrarectal administration of 5-FU emulsion as an adjunct to surgical treatment of rectal cancer. Nishioka B, et al. **Jpn J Surg** 1980 Jun;10(2):110–4

Methyl-CCNU, 6-thioguanine, and 5-fluorouracil in advanced colorectal cancer. Aroney RS, et al. **Med Pediatr Oncol** 1981;9(2):181–6

Interstitial pneumonitis associated with mitomycin C and DTIC: a case report. Yoon JM, et al. **Med Pediatr Oncol** 1981;9(1):61–7

Chemotherapeutic sensitivity of human colorectal tumor xenografts. Kopper L, et al. **Oncology** 1980;37 Suppl 1:42–50

Combination chemotherapy of advanced colorectal cancer with triazinate and ICRF-159 after failure of 5-Fluorouracil. Vogl SE, et al. **Oncology** 1980;37(5):314–5

[Adjuvant chemotherapy of human colorectal adenocarcinoma after growth on mice with congenital thymic dysplasia ('nude'). 1.Experiments to test the feasibility of combined chemotherapy with VCR and 5-FU (author's transl)] Schmitz R, et al. **J Cancer Res Clin Oncol** 1980;96(3):269–79 (Eng. Abstr.) **(Ger)**

[Current status of chemotherapy of gastric and colorectal cancer] Hartenstein R, et al. **Onkologie** 1981 Apr;4(2):101–7 (Eng. Abstr.) **(Ger)**

[Effect of polychemotherapy of cancer of the digestive organs] Singer Z, et al. **Pol Tyg Lek** 1980 Sep 22; 35(38):1453–5 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

Anomalous creatine kinase isoenzymes in serum from patients with rectal carcinoma. Grilo A, et al. **Dis Colon Rectum** 1981 May–Jun;24(4):263–4

Parallel activation of cyclic AMP phosphodiesterase and cyclic AMP-dependent protein kinase in two human gut adenocarcinoma cells (HT 29 and HRT 18) in culture, by vasoactive intestinal peptide (VIP) and other effectors activating the cyclic AMP system. Mangeat P, et al. **Regul Pept** 1981 Mar;1(6):397–414

[Changes in phosphatidylserine synthesis in human rectal tumors] Castigli E, et al. **Boll Soc Ital Biol Sper** 1979 Aug 15;55(15):1467–73 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Malignant tumours of the colon and rectum in patients aged 30 and younger. Ahlberg J, et al. **Acta Chir Scand [Suppl]** 1980;Suppl 500:29–31

Intestinal bacteria and cancer. Hili MJ.

Ann Ist Super Sanita 1979;15(1):43–52

Faecal bile acids and clostridia in the aetiology of colorectal cancer. Murray WR, et al. **Br J Cancer** 1980 Jun; 41(6):923–8

Three polypoid colorectal tumours associated with different types of ureterocolic implantation. O'Higgins N, et al. **Br J Urol** 1981 Jun;53(3):278–9

Diet and bowel cancer [letter] Williamson R. **Br Med J** 1980 Jul 12;281(6233):146

Radiation-induced carcinoma of the rectum. Martins A, et al. **Dis Colon Rectum** 1980 Nov-Dec;23(8):572–5

A case-control study of diet and colo-rectal cancer. Jain M, et al. **Int J Cancer** 1980 Dec 15;26(6):757–68

Carcinoma of the rectum in male homosexuals. Leach RD, et al. **J R Soc Med** 1981 Jul;74(7):490–1

High colonic pH promotes colorectal cancer. Thornton JR. **Lancet** 1981 May 16;1(8229):1081–3

[Epidermoid epitheliomas of the rectum : a report on three cases (author's transl)] Lasser P, et al. **J Chir (Paris)** 1980 Jun-Jul;117(6-7):377–80 (Eng. Abstr.) **(Fre)**

[Sedentary occupation and recto-sigmoidal neoplasms] Husemann B, et al. **Onkologie** 1980 Aug;3(4):168–71 **(Ger)**

[Etiopathogenesis of colorectal carcinomas] Reichlin B. **Schweiz Med Wochenschr** 1980 Sep 20;110(38):1381–6 (Eng. Abstr.) **(Ger)**

[Etiology of colonic and rectal cancer] Bettarello A, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1980 Apr;35(2):77–82 **(Por)**

[Melanomas of the anorectal area (problems of histogenesis, morphogenesis and histological diagnosis)] Gordeladze AS. **Arkh Patol** 1980;42(11):35–40 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Familial colorectal cancer and hereditary brachydactyly. Macrae FA, et al. **Br Med J [Clin Res]** 1981 May 2; 282(6274):1431–2

Chromosome aberrations induced by N-methyl-N'-nitro-N-nitrosoguanidine in cultured skin fibroblasts from patients with adenomatosis coli. Hori T, et al. **Gan** 1980 Oct;71(5):628–36

Chemical transformation of cultured human skin fibroblasts derived from individuals with hereditary adenomatosis of the colon and rectum. Rhim JS, et al. **Int J Cancer** 1980 Nov 15;26(5):565–9

Growth properties and susceptibility to viral transformation of skin fibroblasts from individuals at high genetic risk for colorectal cancer. Rasheed S, et al. **JNCI** 1981 Jan; 66(1):43–9

Correspondence in nutrient intakes between husbands and wives [letter] Lee J, et al. **Lancet** 1981 Jan 17;1(8212):151

Heritable colonic cancer syndromes: induction of anchorage-independence in dermal cultures derived from patients with adenomatosis of the colon and rectum. Danes BS. **Oncology** 1980;37(6):386–9

Memorial Hospital Registry of population groups at high risk for cancer of the large intestine: age of onset of neoplasms. Lipkin M, et al. **Prev Med** 1980 May;9(3):335–45

HISTORY

Classic articles in colonic and rectal surgery. The classification of cancer of the rectum. Corman ML. **Dis Colon Rectum** 1980 Nov-Dec;23(8):605–11

IMMUNOLOGY

Immunocytochemical localization of carcinoembryonic antigen in benign and malignant colorectal tissues. Assessment of diagnostic value. O'Brien MJ, et al. **Am J Clin Pathol** 1981 Mar;75(3):283–90

Carcinoembryonic antigen in the diagnosis and follow-up of colorectal carcinoma. Kåresen R, et al. **Am J Proctol Gastroenterol Colon Rectal Surg** 1980 Nov; 31(11):18–22

The use of preoperative plasma CEA levels for the Stratification of patients after curative resection of colorectal cancers. Goslin R, et al. **Ann Surg** 1980 Dec; 192(6):747–51

Lymph node anti-tumour effector cell mechanisms in colorectal carcinoma. Werkmeister JA, et al. **Aust J Exp Biol Med Sci** 1981 Apr;59(Pt 2):115–24

Leucocytes from patients with colon carcinoma or non-cancerous intestinal disease react differently to foetal colon extract in leucocyte migration inhibition test. Burtin P, et al. **Br J Cancer** 1980 Aug;42(2):345–8

Effect of intravenous corynebacterium parvum on peripheral-blood effector cells of cancer patients. Gill PG, et al. **Br J Cancer** 1980 May;41(5):782–9

Circulating immune complexes in patients with benign and malignant colorectal tumours. Vellacott KD, et al. **Br J Surg** 1981 Jun;68(6):402–4

T-cell-mediated cytotoxicity in patients with colorectal cancer. Klajman A, et al. **Clin Immunol Immunopathol** 1980 Nov;17(3):335–43

Lymphoreticular cells within primary colorectal carcinoma: a surface marker study. Werkmeister JA, et al. **Clin Immunol Immunopathol** 1981 Mar;18(3):415–24

Serum CEA monitoring in the follow-up of colorectal cancer patients with negative preoperative serum CEA. Mariani G, et al. **Eur J Cancer** 1980 Aug;16(8):1099–103

An evaluation of leucocyte adherence inhibition microassay using colorectal cancer cell lines. Machida S, et al. **Gan** 1980 Jun;71(3):387–92

The antigenicity of synchronous cancers of the colon and rectum. Greco RS. **J Surg Oncol** 1981;17(1):49–56

Correlations between serial CEA levels and surgery in patients with colorectal carcinoma. Midiri G, et al. **J Surg Oncol** 1981;17(4):341–4

The use of carcinoembryonic antigen in the clinical management of colorectal cancer [editorial] Rashid AA. **JPMA** 1981 Mar;31(3):54–5

Immunomorphologic study of regional lymph nodes in cancer: response of regional lymph node cells from gastric and colorectal cancer to PHA stimulation. Kojima O, et al. **Jpn J Surg** 1980 Sep;10(3):212–20

Are carcinoembryonic antigen levels of value in the curative management of colorectal cancer? Wanebo HJ. **Surgery** 1981 Mar;89(3):290–5

HLA antigens in colorectal cancers and adenomas. Hiwatashi N, et al. **Tohoku J Exp Med** 1980 Jul;131(3):257–60

Serum CEA levels in gastrointestinal diseases. Miwa M, et al. **Tokai J Exp Clin Med** 1980 Apr;5(2):151–3

[Indications for repeat operations for recurrence of rectocolic cancer: contribution of serum carcino-embryonic antigen levels (author's transl)] Lagache G, et al. **Chirurgie** 1980; 106(5):322–34 (Eng. Abstr.) **(Fre)**

[Interest and limits of estimation of the carcinoembryonic antigen in colonic and rectal (author's transl)] Arnaud JP, et al. **J Chir (Paris)** 1979 Nov;116(11):633–6 (Eng. Abstr.) **(Fre)**

[Significance of carcinoembryonic antigen in the monitoring of colorectal cancer] Lagache G. **Verh K Acad Geneeskd Belg** 1980;42(1):60–73 **(Fre)**

[Leukocyte-adherence-inhibition reactivity in patients with colorectal and pancreatic cancer (author's transl)] Wagner T, et al. **Z Gastroenterol** 1981 Mar;19(3):140–7 (Eng. Abstr.) **(Ger)**

[On the role of CEA-monotoring in the diagnosis of colorectal carcinomas and recidivations (author's transl)] Anders A, et al. **Zentralbl Chir** 1980;105(20):1342–52 (Eng. Abstr.) **(Ger)**

[The carcinoembryonic antigen level as an indicator for second look operations] Halevy A, et al. **Harefuah** 1980 Aug;99(3-4):59–61 (Eng. Abstr.) **(Heb)**

[Determination of intestinal secretory IgA in subjects with polyposis of the colon and rectum. Preliminary note] Cifarelli F, et al. **Ann Sclavo** 1980 Sep-Oct;22(5):800–6 **(Ita)**

[Determination of intestinal secretory IgA in subjects with tumors of the colon and rectum] Sanguigni S, et al. **Ann Sclavo** 1980 Sep-Oct;22(5):786–94 **(Ita)**

[Clinical applications of the carcinoembryonic antigen (CEA) determination in colorectal cancer (observations of 119 cases)] Sivelli R, et al. **Chir Ital** 1980 Oct;32(5):946–63 (Eng. Abstr.) **(Ita)**

[Serum CEA levels in various gastrointestinal diseases with special reference to colorectal cancer (author's transl)] Miwa Y. **Nippon Shokakibyo Gakkai Zasshi** 1980 Jul; 77(7):1069–75 (Eng. Abstr.) **(Jpn)**

[Tissue demonstration of CEA in colorectal lesions (author's transl)] Miwa Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1980 Oct;77(10):1562–5 (Eng. Abstr.) **(Jpn)**

[Cellular immunity indices in rectal cancer under surgical and combined treatment] Evsev'eva AI, et al. **Vopr Onkol** 1981;27(6):40–4 (Eng. Abstr.) **(Rus)**

METABOLISM

Whole body protein turnover, synthesis and breakdown in patients with colorectal carcinoma. Carmichael MJ, et al. **Br J Surg** 1980 Oct;67(10):736–9

A statistical evaluation of baseline and follow-up carcinoembryonic antigen in patients with resectable colorectal carcinoma. Lavin PT, et al. **Cancer** 1981 Feb 15;47(4):823–6

Faecal bile acid concentration of patients with carcinoma or increased risk of carcinoma in the large bowel. Mudd DG, et al. **Gut** 1980 Jul;21(7):587–90

MICROBIOLOGY

[Changes in bacterial flora of the large intestine of rats in various stages of large-intestinal neoplasms induced by methylnitronitrosoguanidine] Chlap Z, et al. **Patol Pol** 1980 Apr-Jun;31(2):233–44 (Eng. Abstr.) **(Pol)**

[Microflora of the operating field in the surgical treatment of cancer of the large intestine] Knysh VI, et al. **Khirurgiia (Mosk)** 1981 Apr;(4):30–5 (Eng. Abstr.) **(Rus)**

MORTALITY

The distribution of colorectal carcinoma and the relationship of tumour site to the survival of patients following resection. Chapuis PH, et al. **Aust NZ J Surg** 1981 Apr; 51(2):127–31

Comparative survival rates in symptomatic peripheral vascular disease and colorectal cancer. Faulkner KW, et al. **Aust NZ J Surg** 1981 Apr;51(2):152–6

Changing survival prospects in rectal and colonic cancer. McDermott FT, et al. **Aust NZ J Surg** 1981 Apr; 51(2):120–7

Changing survival prospects in carcinoma of the rectum. McDermott FT, et al. **Br J Surg** 1980 Nov;67(11):775–80

Local tumour invasion as a prognostic factor in colorectal cancer. Wood CB, et al. **Br J Surg** 1981 May;68(5):326–8

Survival of colorectal cancer patients in relation to duration of symptoms and other prognostic factors. Polissar L, et al. **Dis Colon Rectum** 1981 Jul-Aug;24(5):364–9

Colorectal cancer--tuberculosis connection. Goulston E. **Med J Aust** 1981 Jun 13;1(12):637–8

Perineal recurrence of rectal adenocarcinoma: a clinical pathological study. Lopez MJ, et al. **Mo Med** 1980 Dec; 77(12):721–3

Symptom duration and survival prospects in carcinoma of the rectum. McDermott F, et al. **Surg Gynecol Obstet** 1981 Sep;153(3):321–6

[Statistical analysis of prognostic factors in rectal cancer after radical surgery] Nowacki M, et al. **Nowotwory** 1980 Jul-Sep;30(3):249–53 (Eng. Abstr.) **(Pol)**

[Morphological criteria of the prognosis of the late results from the combined treatment of rectal cancer] Berdov BA, et al. **Med Radiol (Mosk)** 1980 Nov;25(11):13–6 (Eng. Abstr.) **(Rus)**

OCCURRENCE

The risk of cancer following colectomy and ileorectal anastomosis for extensive mucosal ulcerative colitis. Grundfest SF, et al. **Ann Surg** 1981 Jan;193(1):9–14

Selective screening for colorectal tumors in the Tel-Aviv area: relevance of epidemiology and family history. Rozen P, et al. **Cancer** 1981 Feb 15;47(4):827–31

Screening and prevention of colorectal cancer in Haining county. Zhang SQ, et al. **Chin Med J [Engl]** 1980 Dec; 93(12):843–8

Leiomyosarcoma of the rectum: the military experience. Feldtman RW, et al. **Dis Colon Rectum** 1981 Jul-Aug; 24(5):402–3

Changing site distribution patterns of colorectal cancer at Thomas Jefferson University Hospital. Rosato FE, et al. **Dis Colon Rectum** 1981 Mar-Apr;24(2):93–5

Carcinoma of the colon and rectum at Kenyatta National Hospital 1974–1979. Ojara EA. **East Afr Med J** 1980 Nov; 57(11):755–63

Incidence of cancer of the large bowel in women in relation to reproductive and hormonal factors. Weiss NS, et al. **JNCI** 1981 Jul;67(1):57–60

Hemoccult II test: routine screening procedure for colorectal neoplasm? Stuart M, et al. **Med J Aust** 1981 Jun 13; 1(12):629–31

[Colorectal cancer in young patients] Bülow S. **Ugeskr Laeger** 1980 Sep 8;142(37):2414–7 (Eng. Abstr.) **(Dan)**

[Prospective multicenter study on the detection of rectocolonic polyps and cancers in a population of hospitalized patients and outpatients] **Gastroenterol Clin Biol** 1981 Jan;5(1):58–66 (Eng. Abstr.) **(Fre)**

[Epidemiological concepts of cancers of the colon and rectum] Bournoville M, et al. **Lille Med** 1980 Nov; 25(9):526–33 **(Fre)**

[Malignant tumors of the stomach, colon and rectum. Statistico-epidemiological considerations] Mor C, et al. **Minerva Chir** 1980 Jul 15-31;35(13-14):1037–42 (Eng. Abstr.) **(Ita)**

[Rectal cancer (based on data from Ivano-Frankovsk Province)] Godovanets BI, et al. **Klin Khir** 1981;(5):57–8 **(Rus)**

PATHOLOGY

Carcinoid tumors of the rectum. Silver reactions, fluorescence, and serotonin content of the cytoplasmic granules. Taxy JB, et al. **Am J Clin Pathol** 1980 Dec; 74(6):791–5

Spread of rectal cancer within veins. Histologic features and clinical significance. Talbot IC, et al. **Am J Surg** 1981 Jan; 141(1):15–7

Rectal mucosa. Malignant and premalignant changes after radiation therapy. Shamsuddin AK, et al. **Arch Pathol Lab Med** 1981 Mar;105(3):150–1

Metastatic adenocarcinoma of the mandible from the rectum. Fung EH. **Aust Dent J** 1981 Apr;26(2):101–4

Colorectal cancer: the natural history of disseminated disease – a review. Gray BN. **Aust NZ J Surg** 1980 Dec;50(6):643–6 (27 ref.)

Nodular lymphoid hyperplasia and colo-rectal carcinoma. Yoong P, et al. **Australas Radiol** 1981 Mar;25(1):21–2

The relationship of survival to staging and grading of colorectal carcinoma: a prospective study of 503 cases. Newland RC, et al. **Cancer** 1981 Mar 15;47(6):1424–9

The macroscopic appearance of colorectal polyps. Thompson JJ, et al. **Cancer** 1981 Jul 1;48(1):151–60

Anorectal melanoma. Wanebo HJ, et al. **Cancer** 1981 Apr 1;47(7):1891–900

Growth characteristics of primary tissue cultures from heterotransplanted human colorectal carcinomas in serum-free medium. van der Bosch J, et al. **Cancer Res** 1981 Feb;41(2):611–8

Adenocarcinoma of the large bowel in Nigerians: a clinicopathologic study. Adekunle OO, et al. **Dis Colon Rectum** 1980 Nov-Dec;23(8):559–63

Colorectal carcinoma in patients less than 40 years of age: pathology and prognosis. Martin EW Jr, et al. **Dis Colon Rectum** 1981 Jan-Feb;24(1):25–8

Pseudocarcinomatous invasion in adenomas of the colon and rectum. Qizilbash AH, et al. **Dis Colon Rectum** 1980 Nov-Dec;23(8):529–35

Pararectal rhabdomyosarcoma: report of a case. Sasajima K, et al. **Dis Colon Rectum** 1980 Nov-Dec;23(8):576-7
Metaplastic polyps and polyposis of the colorectum [letter] Jass JR. **Histopathology** 1980 Sep;4(5):579
Invasion of veins by carcinoma of rectum: method of detection, histological features and significance. Talbot IC, et al. **Histopathology** 1981 Mar;5(2):141-63
Staging colonic and rectal cancer. Stearns MW Jr. **Int Adv Surg Oncol** 1981;4:189-208
Adenocarcinoma of the rectosigmoid colon in a 10-yr-old child. Caffarena PE, et al. **J Pediatr Surg** 1981 Feb; 16(1):87-9
Malignant change in rectal duplication. Colin JF, et al. **J R Soc Med** 1979 Dec;72(12):935-7
Digital dermal patterns in large-bowel cancer. Nomura AM, et al. **JNCI** 1981 Mar;66(3):481-2
Colorectal cancer and schistosomiasis. Chen MC, et al. **Lancet** 1981 May 2;1(8227):971-3
Case for diagnosis: Heterotopic gastric mucosa in the rectum. Shimer GR. **Milit Med** 1980 Nov;145(11):771, 785
Mucinous colorectal carcinoma: immunopathology and prognosis. Pihl E, et al. **Pathology** 1980 Jul;12(3):439-47
The giant polyp--a case of leiomyosarcoma of the rectum. Jena GP. **S Afr J Surg** 1979 Dec;17(4):207-9
Value of multiple forceps biopsies in assessing the malignant potential of colonic polyps. Pugliese V, et al. **Tumori** 1981 Feb 28;67(1):57-62
Leiomyosarcoma of the rectum. Prussia P, et al. **West Indian Med J** 1980 Sep;29(3):209-11
[Villous tumors of the colon and rectum] Dobrev Ia, et al. **Khirurgiia (Sofiia)** 1980;33(3):260-3 **(Bul)**
[Rectal and colonic polyps and polyposis as precancerous diseases] Kalcheva V, et al. **Khirurgiia (Sofiia)** 1980; 33(3):263-8 **(Bul)**
[Prognostic anatomical features in the colon-rectum carcinoma (author's transl)] Grigioni WF, et al. **Arch Anat Cytol Pathol** 1980;28(5):272-6 (Eng. Abstr.) **(Fre)**
[Recto-colonic polyposes] Weill-Bousson M, et al. **Arch Anat Cytol Pathol** 1980;28(3):135-47 (56 ref.) (Eng. Abstr.) **(Fre)**
[Inverted polypoid hamartoma of the rectum in a child] Weisgerber G, et al. **Chir Pediatr** 1980;21(4):269-73 (Eng. Abstr.) **(Fre)**
[Primary rectal malignant melanoma. A case report and review of the literature (author's transl)] Hoang C, et al. **Gastroenterol Clin Biol** 1981 Apr;5(4):445-51 (Eng. Abstr.) **(Fre)**
[Primary malignant lymphoma of the large intestine] Egeli RA, et al. **Schweiz Med Wochenschr** 1980 Jul 8; 110(27-28):1045-7 **(Fre)**
[Prognostic anatomical features in the colon-rectum carcinoma (author's transl)] Grigioni WF, et al. **Sem Hop Paris** 1981 Jun 8-15;57(21-24):1090-4 (Eng. Abstr.) **(Fre)**
[The intestinal polyposes (author's transl)] Weill-Bousson M, et al. **Sem Hop Paris** 1980 Dec 18-25;56(47-68):2019-31 (Eng. Abstr.) **(Fre)**
[Histo-morphometric studies on human rectal carcinomas before and after radiotherapy] Wassilew G, et al. **Gegenbaurs Morphol Jahrb** 1980;126(3):404-7 (Eng. Abstr.) **(Ger)**
[Pathologico-anatomical evaluation of colorectal cancer from a prognostic viewpoint] Remmele W, et al. **Med Welt** 1981 May 15;32(20):771-7 (68 ref.) **(Ger)**
[The malignity of rectal polyps in 35 resected patients] Klasinc S. **Zentralbl Chir** 1980;105(13):851-3 **(Ger)**
[The colorectal carcinoma; pathological remarks (author's transl)] Simon H. **Zentralbl Chir** 1980;105(20):1329-33 (Eng. Abstr.) **(Ger)**
[A case of leiomyosarcoma of the rectum] Giordano A, et al. **Minerva Chir** 1980 Nov 30;35(22):1795-8 (Eng. Abstr.) **(Ita)**
[Metastases of colorectal carcinoma in relation to venous invasion in the primary tumor. An autopsy study (author's transl)] Lui KK, et al. **Fukuoka Igaku Zasshi** 1980 Aug; 71(8):417-23 (Eng. Abstr.) **(Jpn)**
[Pathology of colorectal carcinoma (author's transl)] Muto T, et al. **Rinsho Hoshasen** 1980 Jul;25(7):747-54 (Eng. Abstr.) **(Jpn)**
[Histogenesis of tumors composed of carcinoid tumor and adenocarcinoma structures complicated by Paget's disease of the rectum] Szczepański W. **Patol Pol** 1980 Apr-Jun; 31(2):211-7 (Eng. Abstr.) **(Pol)**
[Hemangioma of the rectum and sigmoid] Vaganov VN, et al. **Khirurgiia (Mosk)** 1980 Oct;(10):105-6 **(Rus)**
[Combination of rectal cancer and skin melanoma] Tel'pner AM, et al. **Klin Med (Mosk)** 1980;58(11):100-1 **(Rus)**
[Morphology and morphogenesis of rectal cancer] Smirnov NM. **Vopr Onkol** 1981;27(4):64-9 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

[Cell proliferation parameters in human rectal tumors and their transformation during fractionated irradiation] Pavlov AS, et al. **Vopr Onkol** 1981;27(4):52-9 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Mass screening in colorectal cancer. Larkin KK. **Aust NZ J Surg** 1980 Oct;50(5):467-9
Prevention of colorectal cancer. Morson BC. **J R Soc Med** 1979 Feb;72(2):83-5
The Frome experiment--value of screening for colorectal cancer. Farrands PA, et al. **Lancet** 1981 Jun 6; 1(8232):1231-2
Compliance with screening for colorectal cancer [letter] Hoogewerf PE, et al. **Lancet** 1981 Jul 18;2(8238):143
Assessment of attitudes toward mass screening for colorectal cancer and polyps. Spector MH, et al. **Prev Med** 1981 Jan; 10(1):105-9
The economics of screening for colo-rectal cancer. Kristein MM. **Soc Sci Med [Med Econ]** 1980 Dec;14C(4):275-84
[Comment the American Cancer Society recommendations. Early diagnosis of colorectal cancers: screening for patients at risk] Winkler R. **MMW** 1981 May 1;123(18):725-6 **(Ger)**

PSYCHOLOGY

[Factors of anxiety and the course of the postoperative period of patients with cancer of the stomach and rectum (author's transl)] Schipownikow NB, et al. **Arch Geschwulstforsch** 1980;50(4):369-74 (Eng. Abstr.) **(Ger)**
[Care and management of patients with rectal carcinoma] Betzler M. **MMW** 1981 Jan 2;123(1):7 **(Ger)**

RADIOGRAPHY

Colorectal carcinoma missed on double contrast barium enema study: a problem in perception. Kelvin FM, et al. **AJR** 1981 Aug;137(2):307-13
New experiences with Welin's double-contrast method. Welin S. **Am J Proctol Gastroenterol Colon Rectal Surg** 1980 Aug;31(8):17-20
Pre-operative computed tomography of carcinoma of the rectum. Dixon AK, et al. **Br J Radiol** 1981 Aug; 54(644):655-9
Role of computed tomography in the diagnosis and radiotherapy planning of recurrent rectal carcinoma. Leer JW, et al. **Diagn Imaging** 1980;49(4):208-13
Computed tomography in carcinoma of the rectum. Zaunbauer W, et al. **Gastrointest Radiol** 1981 Jan 15; 6(1):79-84
Radiology case of the month. Villous adenoma or villous adenocarcinoma. Dempsey TJ, et al. **J Tenn Med Assoc** 1981 Jan;74(1):45-6
Detection of carcinoma of the colon and rectum by air contrast enema. Thorpe CD, et al. **Surg Gynecol Obstet** 1981 Mar;152(3):307-9
[Importance of caudal mesenteriography for precise determination of the degree of spread of rectal cancer and for the choice of treatment method] Berdov BA, et al. **Radiol Diagn (Berl)** 1980;21(3):332-9 (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

Anorectal cancer: electrocoagulation and irradiation treatment. Póka L, et al. **Acta Chir Acad Sci Hung** 1979; 20(4):341-9
The use of radiotherapy for pelvic recurrence following abdominoperineal resection for carcinoma of the rectum: a 10-year experience. Villalon AH, et al. **Aust NZ J Surg** 1981 Apr;51(2):149-51
Treatment of rectal carcinomas by means of endocavitary irradiation: a progress report. Sischy B, et al. **Cancer** 1980 Nov 1;46(9):1957-61
Intraoperative electron beam radiation therapy boost in the treatment of recurrent rectal cancer. Cohen AM, et al. **Dis Colon Rectum** 1980 Oct;23(7):453-5
Selective use of adjuvant radiation therapy in resectable colorectal adenocarcinoma. Cohen AM, et al. **Dis Colon Rectum** 1981 May-Jun;24(4):247-51
Elective postoperative radiotherapy after incomplete resection of colorectal cancer. Ghossein NA, et al. **Dis Colon Rectum** 1981 May-Jun;24(4):252-6
Adjuvant radiotherapy with selective sandwich technique in treatment of rectal cancer: results of a continuing study. Mohiuddin M, et al. **Dis Colon Rectum** 1981 Mar-Apr; 24(2):76-9
Uterine sarcoma following adjuvant radiotherapy for rectal carcinoma. Marmion PJ, et al. **J Surg Oncol** 1981;17(1):63-7
Local procedures in the management of rectal cancer. Baker AR. **Semin Oncol** 1980 Dec;7(4):385-91 (44 ref.)
Adjuvant postoperative radiotherapy in locally advanced rectal and rectosigmoidal cancer. Zucali R, et al. **Tumori** 1980 Oct 31;66(5):595-600
[Preoperative irradiation in the treatment of rectal carcinoma: study of results of 116 cases at five years (author's transl)] Gary-Bobo J, et al. **Bull Cancer (Paris)** 1979;66(5):491-6 (Eng. Abstr.) **(Fre)**
[The place of curative radiotherapy in the management of adenocarcinomas of the rectum and malpighian carcinomas of the anal canal] Papillon J. **Med Chir Dig** 1981; 10(3):239-42 **(Fre)**
[Rectal carcinoma: preoperative irradiation improves the prognosis] Schertel L, et al. **Med Klin** 1980 Jul 18; 75(15):559-62 **(Ger)**
[Clinical and morphological determination of the effectiveness of preoperative radiologic and combined radiologic-chemotherapeutic therapy in locally metastasized rectal cancer] Aleksanjan AZ, et al. **Radiobiol Radiother (Berl)** 1980;21(4):401-8 (Eng. Abstr.) **(Ger)**
[Analysis of radiobiological parameters of radiation therapy of local rectum carcinomas after preceding synchronization of the tumour cell cycle (author's transl)] Goldobenko GV, et al. **Radiobiol Radiother (Berl)** 1981;22(2):184-8 (Eng. Abstr.) **(Ger)**
[Early judgement on the results in radiation therapy of colorectal cancer: determination of carcinoembryonic antigen (CEA) in blood serum at daily intervals from the beginning of irradiation (author's transl)] Pompecki R, et al. **Strahlentherapie** 1981 Feb;157(2):81-5 (Eng. Abstr.) **(Ger)**
[Radiotherapy of rectal carcinoma] Kahr E. **ZFA (Stuttgart)** 1980 May 20;56(14):1002-5 **(Ger)**
[Interstitial radiation therapy with 198Au after a radical operation for rectal cancer] Brusilovskiĭ MI, et al. **Med Radiol (Mosk)** 1981 Jan;26(1):15-8 (Eng. Abstr.) **(Rus)**
[Clinical trial of a variation of combined radiation therapy of recurrent rectal cancer in women] Aliev BM, et al. **Vopr Onkol** 1981;27(1):44-8 (Eng. Abstr.) **(Rus)**
[Quantitative criteria of radiation pathomorphosis in focal irradiation of rectal cancer] Kanaev SV, et al. **Vopr Onkol** 1981;27(4):60-3 (Eng. Abstr.) **(Rus)**

SECONDARY

[Status and problems of the treatment of metastatic rectal cancer] Lehnert M. **Acta Med Austriaca [Suppl]** 1979; 6:330-1 (Eng. Abstr.) **(Ger)**

SURGERY

Anorectal cancer: electrocoagulation and irradiation treatment. Póka L, et al. **Acta Chir Acad Sci Hung** 1979; 20(4):341-9
Primary closure of the perineal wound after abdomino-perineal amputation for adenocarcinoma. Van Damme JP, et al. **Acta Chir Belg** 1980 Sep-Oct; 79(5):327-32
Is albumin therapy worthwhile in surgery for colorectal cancer? Nilsson E, et al. **Acta Chir Scand** 1980; 146(8):619-22
Low side-to-side sigmorectal anastomosis with intestinal staplers. Freeman JB, et al. **Am J Surg** 1980 May; 139(5):726-7
Bladder dysfunction after low anterior resection for mid-rectal cancer. Kirkegaard P, et al. **Am J Surg** 1981 Feb;141(2):266-8
Multiple colorectal tumors. An appraisal of natural history and therapeutic options. Welch JP. **Am J Surg** 1981 Aug; 142(2):274-80
Technique for reestablishing continuity after the Hartmann operation. Criado FJ, et al. **Am Surg** 1981 Aug;47(8):366-7
Colorectal carcinoma: before and after operation. Meeker WR Jr. **Am Surg** 1981 Aug;47(8):359-62
Stapled vs sutured colorectal anastomosis. Adloff M, et al. **Arch Surg** 1980 Dec;115(12):1436-8
Hartmann's procedure. Its use with complicated carcinomas of sigmoid colon and rectum. ReMine SG, et al. **Arch Surg** 1981 May;116(5):630-3
Sequence of regional chemotherapy and surgery. Management of colorectal adenocarcinoma confined to the liver. Tilchen E, et al. **Arch Surg** 1981 Jul;116(7):959-60
The surgical management of anorectal malignant melanoma. Boey J, et al. **Aust NZ J Surg** 1981 Apr;51(2):132-6
The Harry Ellicott Bacon Oration: the development of a restorative operation for carcinoma of the rectum. Hughes ES. **Aust NZ J Surg** 1981 Apr;51(2):117-9
Small-intestinal obstruction following resection for carcinoma of the rectum. Johnson WR, et al. **Aust NZ J Surg** 1981 Feb;51(1):34-6
Electrocoagulation: a preferred procedure in the treatment of cancer of the rectum. Madden JL. **Br J Clin Pract** 1980 May;34(5):127-30
Excision of mid-rectal lesions by the Kraske sacral approach. Christiansen J. **Br J Surg** 1980 Sep;67(9):651-2
A modified cutting loop for electroresection of rectal tumours. Christiansen J, et al. **Br J Surg** 1981 Jul;68(7):519
Functional results of rectal excision and endo-anal anastomosis. Keighley MR, et al. **Br J Surg** 1980 Oct; 67(10):757-61
Anorectal pressure and rectal compliance after low anterior resection. Suzuki H, et al. **Br J Surg** 1980 Sep;67(9):655-7
A prospective study of sexual function after major colorectal surgery. Williams JT, et al. **Br J Surg** 1980 Nov; 67(11):772-4
Colonoscopic polypectomy in children. Douglas JR, et al. **Br Med J** 1980 Nov 22;281(6252):1386-7
Anastomotic integrity after operations for large-bowel cancer: a multicentre study. Fielding LP, et al. **Br Med J** 1980 Aug 9;281(6237):411-4
Colorectal surgery--the Cinderella specialty [letter] **Br Med J [Clin Res]** 1981 Aug 22;283(6290):557-8
The evolving surgical treatment of rectum and colon cancer. Enker WE, et al. **CA** 1981 Mar-Apr;31(2):66-74
Abdomino-perineal resection--a 15-year review. Berry AR, et al. **Clin Oncol** 1980 Sep;6(3):231-6
Excision of villous adenoma of the rectum with a stapler. Engelberg M, et al. **Dis Colon Rectum** 1981 Jul-Aug; 24(5):407
A method of management of a circumferential villous tumor of the rectum. Groff W, et al. **Dis Colon Rectum** 1981 Apr; 24(3):151-4
Palliative resection for colorectal carcinoma. Joffe J, et al. **Dis Colon Rectum** 1981 Jul-Aug;24(5):355-60

Prophylactic saline peritoneal lavage in elective colorectal operations. Minervini S, et al. **Dis Colon Rectum** 1980 Sep; 23(6):392–4

Abdominoperineal resection for recurrent cancer following anterior resection. Segall MM, et al. **Dis Colon Rectum** 1981 Mar–Apr;24(2):80–4

Surgical treatment of metastatic colorectal adenocarcinoma. Vassilopoulos PP, et al. **Dis Colon Rectum** 1981 May–Jun; 24(4):265–71

Recurrent endometriosis. Punnonen R, et al. **Gynecol Obstet Invest** 1980;11(5):307–12

The Turnbull–Cutait pullthrough procedure for certain cancers of the rectum and Hirschsprung disease. Kirwan WO, et al. **Int Adv Surg Oncol** 1981;4:173–87

Anatomical prognostic factors after abdominal perineal resection. Walz BJ, et al. **Int J Radiat Oncol Biol Phys** 1981 Apr;7(4):477–84

Anorectal melanoma: clinical features, recurrence and patient survival. Abbas JS, et al. **Int Surg** 1980 Sep–Oct;65(5):423–6

Factors influencing delay in treatment of cancer of rectum and colon in Israel. Rubin M, et al. **Isr J Med Sci** 1980 Sep–Oct;16(9–10):641–5

Local treatment (electrocoagulation) for carcinoma of the rectum in the elderly. Gingold BS. **J Am Geriatr Soc** 1981 Jan;29(1):10–3

Extirpation by electrocautery of massive lesions of condyloma acuminatum in the genito–perineo–anal region. Robinson JK. **J Dermatol Surg Oncol** 1980 Sep;6(9):733–8

Colorectal anastomosis: factors influencing success. Tagart RE. **J R Soc Med** 1981 Feb;74(2):111–8

Disease-free survival and recurrence after resection of colorectal carcinoma. Pihl E, et al. **J Surg Oncol** 1981; 16(4):333–41

Discussion panel on colo–rectal carcinoma. Trede M, et al. **Langenbecks Arch Chir** 1981;353(4):217–31

Rectal excision for cancer 1880 to 1980 [editorial] Polglase AL. **Med J Aust** 1981 Jan 10;1(1):3–4

Stapling devices and rectal excision for cancer [letter] Sakker S. **Med J Aust** 1981 Mar 7;1(5):254–5

Experience with the EEA stapler in carcinoma of the lower rectum. Brown AA, et al. **S Afr Med J** 1981 Feb 21; 59(8):258–61

Chemoradiotherapeutic prevention of local recurrence after stapled anastomoses in rectal cancer. Anderson JM. **Scott Med J** 1981 Jan;26(1):21–3

Local procedures in the management of rectal cancer. Baker AR. **Semin Oncol** 1980 Dec;7(4):385–91 (44 ref.)

A comparison of cellular immunity in patients undergoing electrocoagulation and resection for adenocarcinoma of the rectum. Greco RS, et al. **Surg Gynecol Obstet** 1980 Oct; 151(4):471–6

Analysis of recurrence patterns following curative resection for carcinoma of the colon and rectum. Malcolm AW, et al. **Surg Gynecol Obstet** 1981 Feb;152(2):131–6

Treatment of recurrence of adenocarcinoma of the colon and rectum at the anastomotic site. Vassilopoulos PP, et al. **Surg Gynecol Obstet** 1981 Jun;152(6):777–80

Sparing the rectum in familial polyposis: causes for failure. Gingold BS, et al. **Surgery** 1981 Mar;89(3):314–8

Surgical treatment of recurrences following sphincter–saving procedures for cancer of the rectum. Bozzetti F, et al. **Tumori** 1980 Dec 31;66(6):757–64

Implantational growth of adenocarcinoma after Kraske operation for rectal tubular adenoma. Möller C, et al. **Virchows Arch [Pathol Anat]** 1980;387(2):235–9

[Surgical treatment of carcinoma of the large bowel: report of 537 cases (author's transl)] Li GC. **Chung Hua Wai Ko Tsa Chih** 1981 Feb;19(2):72–4 (Eng. Abstr.) **(Chi)**

[Abdominoperineal resection and anosphincteroplasty for carcinoma of lower third of the rectum and anal canal (author's transl)] Zhang QR. **Chung Hua Wai Ko Tsa Chih** 1981 Feb;19(2):75–6 (Eng. Abstr.) **(Chi)**

[Cryosurgery for anorectal cancer: a preliminary report (author's transl)] Zhou XZ. **Chung Hua Wai Ko Tsa Chih** 1981 Feb;19(2):70–1 (Eng. Abstr.) **(Chi)**

[Surgical treatment of rectal cancer with or without preoperative irradiation: initial results of a non–selective study] Boulis Wassif S, et al. **Ned Tijdschr Geneeskd** 1981 Jul 18;125(29):1148–51 (Eng. Abstr.) **(Dut)**

[Adenocarcinoma of the rectum. Analysis of the selective criteria in surgical curative treatment (106 cases) (author's transl)] Carrier M, et al. **Ann Chir** 1981;35(2):83–7 (Eng. Abstr.) **(Fre)**

[Results of an attempted curative surgical treatment for cancers of the sigmoid colon and rectum. Report on a series treated in the Hôtel–Dieu Hospital, Quebec (author's transl)] Dionne L. **Ann Chir** 1980;34(6):415–20 (Eng. Abstr.) **(Fre)**

[New possibilities in the surgical treatment of rectal cancer] Marti MC, et al. **Bull Soc Sci Med Grand Duche Luxemb** 1980;117(1):21–4 **(Fre)**

[Leiomyoma of recto–sigmoid junction (author's transl)] Nini N. **Chir Pediatr** 1980;21(5):353–5 (Eng. Abstr.) **(Fre)**

[The role of circular mechanical anastomoses in resection of the rectum for neoplasia (author's transl)] Adloff M, et al. **Chirurgie** 1980;106(6):393–9 (Eng. Abstr.) **(Fre)**

[Perineal approach for excision of villous tumors of the lower rectum and anal canal by anterior rectotomy after anal sphincter section (author's transl)] Toupet A. **Chirurgie** 1980;106(2):161–3 (Eng. Abstr.) **(Fre)**

[Sphincterial conservation in surgery of carcinoma of the rectum (author's transl)] **J Chir (Paris)** 1981 Feb; 118(2):105–14 (Eng. Abstr.) **(Fre)**

[Low colorectal suture with the EEA stapling device for carcinoma of the rectum. A report of 50 cases (author's transl)] Bérard P, et al. **J Chir (Paris)** 1981 Feb;118(2):115–9 (Eng. Abstr.) **(Fre)**

[Contribution of Babcock's operation to the treatment of rectal cancer. Results in 170 cases (author's transl)] Cugnenc PH, et al. **J Chir (Paris)** 1981 Feb;118(2):121–6 (Eng. Abstr.) **(Fre)**

[The treatment of villous tumors of the rectum by cryosurgery. A report of 10 cases (author's transl)] Regairaz C, et al. **J Chir (Paris)** 1980 Apr;117(4):241–3 (Eng. Abstr.) **(Fre)**

[Rectal carcinoid tumors. Study of one case treated by abdomino–transanal resection (author's transl)] Signouret B, et al. **J Chir (Paris)** 1981 Feb;118(2):127–9 (Eng. Abstr.) **(Fre)**

[A new perineal approach to rectal tumors : anterior anorectotomy with section of the anal sphincter (author's transl)] Toupet A. **J Chir (Paris)** 1981 Mar;118(3):191–5 (Eng. Abstr.) **(Fre)**

[Pelvic recurrence after abdomino–perineal resection for carcinoma of the rectum (author's transl)] Bugat R, et al. **Sem Hop Paris** 1980 Nov 18–25;56(43–44):1779–86 (Eng. Abstr.) **(Fre)**

[Safe aboral distance in the sphincter–preserving resection of the rectum] Hermanek P, et al. **Chirurg** 1981 Jan; 52(1):25–9 (Eng. Abstr.) **(Ger)**

[Colorectal cancer] Winkler R. **Chirurg** 1981 Apr; 52(4):201–11 **(Ger)**

[Conservation of sphincter in deep rectal carcinoma] Reifferscheid M. **Dtsch Med Wochenschr** 1981 Apr 10; 106(15):470–4 (54 ref.) **(Ger)**

[Progress in the therapy of rectal cancer. Suture technics and results in one–stage anterior rectum resection] Otten G, et al. **Fortschr Med** 1981 Feb 19;99(7):207–11 (Eng. Abstr.) **(Ger)**

[Parenteral antibiotic prophylaxis or oral antimicrobial bowel preparation for colorectal surgery (author's transl)] Aeberhard P, et al. **Langenbecks Arch Chir** 1981; 353(4):233–40 (Eng. Abstr.) **(Ger)**

[Anterior resection and abdomino–perineal extirpation in patients with rectal cancer: a retrospective analysis (author's transl)] Betzler M, et al. **Langenbecks Arch Chir** 1981;353(4):251–9 (Eng. Abstr.) **(Ger)**

[Restorative surgery for cancer of the rectum (author's transl)] Gall FP, et al. **Langenbecks Arch Chir** 1981; 354(1):45–53 (Eng. Abstr.) **(Ger)**

[Sohincter function after rectal resection with peranal anastomosis (author's transl)] Gross E, et al. **Langenbecks Arch Chir** 1980;353(3):207–16 (Eng. Abstr.) **(Ger)**

[Rectal surgery. Advances in procedures favoring maintenance of continence] Deucher F. **Med Welt** 1980 Mar 21;31(12):425–8 **(Ger)**

[Local excision in rectal cancer. Progress or therapeutic atavism?] Karavias T, et al. **Med Welt** 1981 Apr 10; 32(15):564–6 **(Ger)**

[Rational computer–assisted follow–up in colorectal tumors. Critical remarks and follow–up care] Püschmann H, et al. **Med Welt** 1981 Apr 10;32(15):567–71 **(Ger)**

[The problem of continence in surgery of rectal carcinomas] Winkler R. **MMW** 1981 Jan 2;123(1):8–13 **(Ger)**

[Transanal local tumorectomy] Riedler L. **Onkologie** 1980 Feb;3(1):36–9 (Eng. Abstr.) **(Ger)**

[Colorectal cancer. Progress and unsolved problems] Joss R, et al. **Schweiz Med Wochenschr** 1981 May 16; 111(20):697–705 (Eng. Abstr.) **(Ger)**

[Results of surgical treatment in 558 patients with carcinoma of the rectum (author's transl)] Köle W, et al. **Wien Med Wochenschr** 1980 May 15;130(9):307–13 (Eng. Abstr.) **(Ger)**

[Prevention of septic complications in colorectal surgery (author's transl)] Kronberger L, et al. **Wien Med Wochenschr** 1981;131(8):209–11 (Eng. Abstr.) **(Ger)**

[Operative treatment of generalized polyposis of the large intestine with malignant transformation in the rectum and colon.] Dudunkov Z. **Zentralbl Chir** 1980;105(8):529–34 **(Ger)**

[Surgery of rectal carcinoma (author's transl)] Heberer G, et al. **Zentralbl Chir** 1980;105(20):1334–41 (Eng. Abstr.) **(Ger)**

[Transanal extirpation of rectal cancer] Knoch HG, et al. **Zentralbl Chir** 1980;105(3):185–90 (Eng. Abstr.) **(Ger)**

[Enlargement of a trans–anal incision by performing a lateral sphincterotomy.] Riedler L. **Zentralbl Chir** 1980; 105(8):543–5 **(Ger)**

[Local recurrence following anterior resection of rectal cancer. CEA–titer (author's transl)] Wedell J, et al. **Zentralbl Chir** 1980;105(13):833–41 (Eng. Abstr.) **(Ger)**

[Role of palliative therapy in rectal cancer: electrocoagulation] Chiampo L. **Chir Patol Sper** 1979 Feb; 27(1):75–84 (Eng. Abstr.) **(Ita)**

[Schwannoma of the rectum. Clinico–therapeutic study] Arcidiaco M, et al. **Minerva Chir** 1981 Feb 28;36(4):267–72 (Eng. Abstr.) **(Ita)**

[Preservation of the sphincter in excisions of rectal carcinoma] Bonardi O. **Minerva Chir** 1981 Jun 30; 36(12):873–6 **(Ita)**

[Antibiotic preparation in operations on the large intestine. Experimental study] Cafiero F, et al. **Minerva Chir** 1981 Jul 15–31;36(13–14):941–3 (Eng. Abstr.) **(Ita)**

[Value of carcinoembryonic antigen (CEA) in the diagnosis and postoperative monitoring of patients with colorectal cancer] Catania G, et al. **Minerva Chir** 1981 May 15; 36(9):569–80 (Eng. Abstr.) **(Ita)**

[A 1st experience with radical surgery of cancer of the rectum. Critical analysis of the literature and case reports, with special reference to methods 'of security' and to technical guidelines for reducing complications and mortality] Cavina E, et al. **Minerva Chir** 1980 Nov 15; 35(21):1635–40 (16 ref.) (Eng. Abstr.) **(Ita)**

[Cancer of the colon and rectum in young people] Di Domenicantonio G, et al. **Minerva Chir** 1980 Sep 30; 35(18):1415–7 (Eng. Abstr.) **(Ita)**

[Pelviperineal recurrences in surgery of rectal carcinoma] Garavoglia M, et al. **Minerva Chir** 1981 Jun 15;36(11):771–6 (Eng. Abstr.) **(Ita)**

[Combined therapy of colonic and rectal neoplasms in an advanced phase] Lavorato F, et al. **Minerva Chir** 1980 Nov 30;35(22):1757–62 (Eng. Abstr.) **(Ita)**

[Local treatment of tumors of the rectum] Mosella G, et al. **Minerva Chir** 1980 Aug 15–31;35(15–16):1103–8 (25 ref.) (Eng. Abstr.) **(Ita)**

[Surgical treatment of colo–rectal tumors. Immediate and long–term results in 1749 cases] Vecchi R, et al. **Minerva Chir** 1981 Jul 15–31;36(13–14):991–1000 (Eng. Abstr.) **(Ita)**

[Criteria of choice in the conservative surgical treatment of rectal neoplasms] Crisci C, et al. **Minerva Dietol Gastroenterol** 1980 Jul–Sep;26(3):169–72 **(Ita)**

[Results of treatment of rectal cancer] Bogacki W, et al. **Nowotwory** 1980 Apr–Jun;30(2):137–43 (Eng. Abstr.) **(Pol)**

[Diagnostic and therapeutic difficulties in para–anorectal dysembryoplastic tumors] Prişcu A, et al. **Rev Chir [Chir]** 1980 Sep–Oct;29(5):373–7 **(Rum)**

[Surgical treatment of rectal neoplasms in combination with preoperative endolymphatic therapy using dibunol solution] Eropkin PV. **Khirurgiia (Mosk)** 1980 Aug;(8):74–9 (Eng. Abstr.) **(Rus)**

[Restoration of intestinal patency after an abdominoanal resection of the rectum with colostomy] Fedorov VD, et al. **Khirurgiia (Mosk)** 1981 Apr;(4):23–7 (Eng. Abstr.) **(Rus)**

[Effectiveness of the surgical treatment of rectal cancer in the elderly] Kozhevnikov AI. **Khirurgiia (Mosk)** 1981 Apr; (4):27–30 (Eng. Abstr.) **(Rus)**

[Evolution in the choice of surgical treatment methods in rectal cancer in view of the immediate and late results] Parakhoniak VI, et al. **Khirurgiia (Mosk)** 1981 Apr;(4):35–9 (Eng. Abstr.) **(Rus)**

[Rare malignant tumors of the rectum] Dem'ianov VS. **Klin Khir** 1981;(5):50–2 (Eng. Abstr.) **(Rus)**

[Results of rectal extirpation with aorto–ileo–pelvic lymphadenectomy for cancer] Zybina MA. **Klin Khir** 1981; (5):22–4 (Eng. Abstr.) **(Rus)**

[Use of glue as a method of hemostasis in rectal cancer surgery] Chissov VI, et al. **Sov Med** 1981;(2):67–70 **(Rus)**

[Certain indices of the immunologic reactivity of patients with pancreonecrosis and rectal cancer during external drainage of the thoracic duct] Brusilovskiĭ MI, et al. **Vestn Khir** 1980 May;124(5):65–70 (Eng. Abstr.) **(Rus)**

[Polyps of the large intestine in children] Kushch NL, et al. **Vestn Khir** 1980 Nov;125(11):103–7 (Eng. Abstr.) **(Rus)**

[Metastatic ovarian tumors in rectal cancer patients] Odariuk TS, et al. **Vestn Khir** 1981 Feb;126(2):42–4 (Eng. Abstr.) **(Rus)**

[Etiology, clinical picture, and diagnosis of postoperative peritonitis in rectal cancer] Zybina MA, et al. **Vestn Khir** 1980 May;124(5):74–80 (Eng. Abstr.) **(Rus)**

[Sympathetic–adrenal system in various types of anesthesia in surgical treatment of gastric and rectal cancer] Aleksandrin GP, et al. **Vopr Onkol** 1980;26(11):44–9 (Eng. Abstr.) **(Rus)**

[Dilemmas in surgery of the colon and rectum] Končan O. **Acta Chir Iugosl** 1980;27 Suppl 2:27–32 (Eng. Abstr.) **(Slv)**

THERAPY

Colorectal cancer: the modern treatment of disseminated disease – a review. Gray BN. **Aust NZ J Surg** 1980 Dec; 50(6):647–58 (112 ref.)

Colorectal cancer: the modern treatment of disseminated disease [letter] Snyder RD, et al. **Aust NZ J Surg** 1981 Aug;51(4):377–8

Recent advances in the treatment of rectal cancer. Nicholls RJ. **Br J Hosp Med** 1980 Oct;24(4):309–10, 312, 315 passim

Inhibition of growth of colorectal carcinoma in nude mice by monoclonal antibody. Herlyn DM, et al. **Cancer Res** 1980 Mar;40(3):717–21

Rectal cancer: adjuvant radiation therapy. Green JP. **Front Radiat Ther Oncol** 1980;15:102–8

Adjuvant chemotherapy and immunotherapy for colorectal cancer: preliminary communication. Bancewicz J, et al.

J R Soc Med 1980 Mar;73(3):197–9
Carcinoma of the colon and rectum: part 3, therapeutic modalities. Elias EG. **Md State Med J** 1981 May;30(5):35–9
Salvage and palliation of patients with metastatic colorectal cancer. Williams JA. **Med J Aust** 1980 Aug 9;2(3):143–6
Immunotherapy in colorectal cancer. Wallack MK. **Mo Med** 1981 Jan;78(1):23–5
Results of postoperative treatment of colorectal cancer by radiotherapy, chemotherapy and immunotherapy. Robinson E, et al. **Recent Results Cancer Res** 1980;75:80–7
[Embolization of a villous rectal tumor (letter)] Pinot JJ, et al. **Nouv Presse Med** 1981 Mar 21;10(13):1069–1071 **(Fre)**
[Initial experiences with a nation-wide Austrian study of adjuvant chemo- and immunotherapy of colorectal cancer following radical surgery] Karrer K, et al. **Acta Med Austriaca [Suppl]** 1979;6:325–6 (Eng. Abstr.) **(Ger)**
[Preoperative irradiation of rectal carcinoma wit 5-fluorouracil] Kutzner J, et al. **Strahlentherapie [Sonderb]** 1978;75:162–5 **(Ger)**
[The colo-rectal carcinoma in surgical ambulatory services] Köbernick H. **Z Aerztl Fortbild (Jena)** 1980 Mar 15; 74(6):253–6 **(Ger)**
[Treatment of rectal cancer (author's transl)] Seifart W. **Zentralbl Chir** 1980;105(20):1362–7 (Eng. Abstr.) **(Ger)**
[Anesthesia in rectal cancer recurrences and metastases] Frid IA, et al. **Khirurgiia (Mosk)** 1980 Oct;(10):73–6 (Eng. Abstr.) **(Rus)**
[Combined treatment of rectal cancer] Koshchug SD, et al. **Vopr Onkol** 1980;26(12):96–9 (Eng. Abstr.) **(Rus)**

VETERINARY

Canine goblet-cell carcinoid. Patnaik AK, et al. **Vet Pathol** 1981 May;18(3):410–3

RECTAL PROLAPSE

COMPLICATIONS

[Solitary rectal ulcer: associated total rectal prolapse. Recovery after rectopexy (letter)] Sondag D, et al. **Gastroenterol Clin Biol** 1980 Dec;4(12):912–3 **(Fre)**

DIAGNOSIS

Rectal prolapse [letter] Keighley MR. **Br J Surg** 1980 Dec; 67(12):897
The occult rectal prolapse syndrome. White CM, et al. **Br J Surg** 1980 Jul;67(7):528–30
[Internal rectal prolapse in children: a cause of diagnostic errors] Kosumian VKh. **Pediatriia** 1980 Nov;(11):61–2 **(Rus)**

DRUG THERAPY

[Sclerotherapy of rectal prolapse in children] Dekhkanov ID, et al. **Vestn Khir** 1980 Jun;124(6):112–4 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Manometric evaluation of rectal prolapse and faecal incontinence. Matheson DM, et al. **Gut** 1981 Feb; 22(2):126–9

SURGERY

A new concept for the management of rectal prolapse. Wedell J, et al. **Am J Surg** 1980 May;139(5):723–5
Silicone rubber band treatment of rectal prolapse. Jackaman FR, et al. **Ann R Coll Surg Engl** 1980 Sep;62(5):386–7
Transabdominal posterior proctopexy using an inverted T of synthetic material. Hilsabeck JR. **Arch Surg** 1981 Jan; 116(1):41–4
Rectal prolapse. Henry MM. **Br J Hosp Med** 1980 Oct; 24(4):302, 305, 307
Complete prolapse of the rectum treated by modified Orr operation. Christiansen J, et al. **Dis Colon Rectum** 1981 Mar-Apr;24(2):90–2
Perineal repair of rectal procidentia with an elastic fabric sling. Labow S, et al. **Dis Colon Rectum** 1980 Oct; 23(7):467–9
[Application of anterior rectus sheath tape for suspension of rectum in treatment of prolapse (author's transl)] Wen ZM. **Chung Hua Wai Ko Tsa Chih** 1981 Feb;19(2):79 (Eng. Abstr.) **(Chi)**
[Plication of anterior rectal wall in the treatment of complete prolapse of rectum in adults: report of 41 cases (author's transl)] Yu DH. **Chung Hua Wai Ko Tsa Chih** 1981 Feb; 19(2):77–8 (Eng. Abstr.) **(Chi)**
[Management of rectal prolapse by rectal mobilization and fixation with Ivalon sponge] Erne P, et al. **Schweiz Med Wochenschr** 1981 May 30;111(22):793–5 (Eng. Abstr.) **(Ger)**

THERAPY

[Treatment of internal procidentia and rectal prolapse] Bergan A, et al. **Tidsskr Nor Laegeforen** 1981 Apr 20; 101(11):650–2 (Eng. Abstr.) **(Nor)**

VETERINARY

Rectal prolapse in the horse. Turner TA, et al. **J Am Vet Med Assoc** 1980 Nov 15;177(10):1028–32
An unusual appendectomy [letter] Neill RH, et al. **Vet Rec** 1979 Apr 7;104(14):328
Prolapsed rectum and eventration of the small intestine in a pig: surgical treatment. Peyton LC, et al. **VM SAC** 1980 Aug;75(8):1297–1300

RECTAL SURGERY (SPECIALTY) see **COLON AND RECTAL SURGERY (SPECIALTY)**

RECTOCOLITIS, HEMORRHAGIC see **COLITIS, ULCERATIVE**

RECTOCOLITIS, ULCERATIVE see **COLITIS, ULCERATIVE**

RECTOVAGINAL FISTULA

COMPLICATIONS

Carcinoma in a rectovaginal fistula in a patient with Crohn's disease. Buchmann P, et al. **Am J Surg** 1980 Sep; 140(3):462–3

CONGENITAL

[Anorectogenital malformations in the woman: a case of anovaginal atresia and a case of vulvoperineal abnormality] Tromboni E, et al. **Minerva Ginecol** 1980 Sep;32(9):755–8 (Eng. Abstr.) **(Ita)**

SURGERY

Repair of postirradiation damage to colorectum: a progress report. Bricker EM, et al. **Ann Surg** 1981 May; 193(5):555–64
[Pass-through operation for surgical treatment of recto-vaginal fistula (author's transl)] Möbius W. **Zentralbl Gynaekol** 1981;103(5):298–302 (Eng. Abstr.) **(Ger)**
[Emergency surgical treatment of spontaneous internal fistulas of the digestive tract] Creperio G, et al. **Chir Ital** 1980 Aug;32(4):825–36 (Eng. Abstr.) **(Ita)**
[Surgical treatment of rectovaginal fistulae (a review of the literature)] Strel'nikov VN, et al. **Khirurgiia (Mosk)** 1980 Sep;(9):103–8 (97 ref.) **(Rus)**

VETERINARY

Surgical repair of recto-vaginal fistulae in mares. Hilbert BJ. **Aust Vet J** 1981 Feb;57(2):85–7
Atresia ani and rectovaginal fistula in an acaudate filly [letter] Chaudhry NI, et al. **Vet Rec** 1980 Jul 26;107(4):95
Surgical repair of atresia ani & rectovaginal fistula in a goat. Johnson EH, et al. **VM SAC** 1980 Dec;75(12):1833–4

RECTUM

Evaluation of prostatic cancer by transrectal ultrasonotomography and CT scan. Denis L, et al. **Acta Urol Belg** 1980 Jan;48(1):71–7
Rectal methohexital premedication in children, a dose-comparison study. Liu LM, et al. **Anesthesiology** 1980 Oct;53(4):343–5
A new rectal marker for treatment planning [letter] Coe MA, et al. **Br J Radiol** 1981 Apr;54(640):365–6
Rectal examination and acid phosphatase: evidence for persistence of a myth. Daar AS, et al. **Br Med J [Clin Res]** 1981 Apr 25;282(6273):1378–9
Removal of a glass foreign body from the rectum. Garber HI, et al. **Dis Colon Rectum** 1981 May-Jun;24(4):323
Current concepts of rectum and sphincter preservation in inflammatory bowel disease. Scoma JA. **Dis Colon Rectum** 1981 Jul-Aug;24(5):370–2
Proctalgia fugax. Thompson WG, et al. **J R Coll Physicians Lond** 1980 Oct;14(4):247–8
Foreign bodies in the rectum: a review. Schofield PF. **J R Soc Med** 1980 Jul;73(7):510–3
Axillary or rectal temperatures in children? [letter] Pituch K, et al. **Lancet** 1981 Jul 4;2(8236):43
Axillary or rectal temperatures in children [letter] Shann F, et al. **Lancet** 1981 Aug 8;2(8241):310
Vasovagal (vasodepressor) syncope following rectal examination [letter] Tizes R, et al. **NY State J Med** 1981 Aug;81(9):1309–10
Acute myositis of the medial rectus muscle: diagnosis by computed tomography. Coin CG, et al. **South Med J** 1981 Mar;74(3):373–4
[Foreign bodies in the rectum] Vigoni M. **Phlebologie** 1980 Oct-Dec;33(4):711–6 (Eng. Abstr.) **(Fre)**

ABNORMALITIES

Triad of anorectal, sacral, and presacral anomalies. Currarino G, et al. **AJR** 1981 Aug;137(2):395–8
Double termination of the alimentary tract—a second look. Chatterjee SK. **J Pediatr Surg** 1980 Oct;15(5):623–7
Urogenital sinus and anorectal malformation: experience with 22 cases. Hendren WH. **J Pediatr Surg** 1980 Oct; 15(5):628–41
Malignant change in rectal duplication. Colin JF, et al. **J R Soc Med** 1979 Dec;72(12):935–7
Atresia of the rectum. Jacobs JJ. **S Afr J Surg** 1980 Jun; 18(2):39–41
Perineal anal transplant in low anorectal anomalies. Saxena N, et al. **Surgery** 1981 Sep;90(3):464–7
[A case of anorectal malformation with spontaneous necrosis of the rectum] Dyon JF, et al. **Pediatrie** 1980;35(8):721–6 (Eng. Abstr.) **(Fre)**
[Anal and rectal atresia: operative procedures and results] Daum R. **Chirurg** 1981 Mar;52(3):147–52 **(Ger)**
[Diagnosis and management of anorectal malformations] Martín del Campo N, et al. **Bol Med Hosp Infant Mex** 1980;37 Suppl 1:3–48 **(Spa)**

ANALYSIS

Subcellular fractionation studies of human rectal mucosa: localization of the mucosal peptide hormones. Dawson J, et al. **Clin Sci** 1980 Dec;59(6):457–62
Distribution of fibronectin in the rectal mucosa. Scott DL, et al. **J Clin Pathol** 1981 Jul;34(7):749–58

ANATOMY & HISTOLOGY

The value of digital rectal examination before barium enema. Stewart ET, et al. **Radiology** 1980 Nov;137(2):567
[Anatomy of the ano-rectal region] Van Limborgh J, et al. **Phlebologie** 1980 Oct-Dec;33(4):661–8 (Eng. Abstr.) **(Fre)**

BLOOD SUPPLY

[Vascular histopathology in hemorrhoids] Zerbino DD, et al. **Klin Khir** 1981 Feb;(2):34–6 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

The effect of sulphasalazine withdrawal on rectal mucosal function and prostaglandin E2 release in inactive ulcerative colitis. Rampton DS, et al. **Scand J Gastroenterol** 1981; 16(1):157–9
Use of topical rectal therapy to preserve the rectum in surgery of ulcerative colitis. Gallone L, et al. **World J Surg** 1980 Sep;4(5):609–13

EMBRYOLOGY

[Exstrophy of the cloaca: report of two cases. Review of embryology and management (author's transl)] Mira Navarro J, et al. **An Esp Pediatr** 1980 Oct;13(10):881–8 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

The activity of carbamoyl-phosphate synthetase I and ornithine carbamoyltransferase (OCT) in the intestine and screening for OCT deficiency in the rectal mucosa. Matsushima A, et al. **J Inherited Metab Dis** 1981;4(2):83–4
[Value of the histoenzymologic characterization of esterases in normal and pathologic rectal mucosa in children. Preliminary results of 30 cases] Gaillard D, et al. **C R Soc Biol (Paris)** 1980;174(3):344–6 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Alpha-chain disease diagnosed by rectal biopsy. Rhodes JM, et al. **Br Med J** 1980 Apr 12;280(6220):1043–4
Rectal mucosal histamine release in ulcerative colitis. Rampton DS, et al. **Clin Sci** 1980 Nov;59(5):389–91
Immunofluorescence studies on the subcomponents of the first component of complement (C1): detection of C1q and C1s in different cells of biopsy material and on human as well as on guinea pig peritoneal macrophages. Loos M, et al. **Immunobiology** 1981;158(3):213–24

INJURIES

Necrotizing proctitis with perforation of the rectal wall due to barium enema. A case report and review of the literature. Lazarovitch I, et al. **Am J Proctol Gastroenterol Colon Rectal Surg** 1980 Sep; 31(9):22–4
Extraperitoneal perirectal extravasation of barium during a barium enema examination: natural course and treatment. Levy MD, et al. **Am Surg** 1980 Jul;46(7):382–5
Colorectal injuries. Strong RW. **Aust NZ J Surg** 1981 Jun; 51(3):285–8
The management of rectal tears in horses. Speirs VC, et al. **Aust Vet J** 1980 Jul;56(7):313–7
[Viscera perforation by medical thermometer in child. Report of two cases (author's transl)] Allouis M, et al. **Ann Pediatr (Paris)** 1979 Nov;26(9):623–5 (Eng. Abstr.) **(Fre)**
[Traumatic recto-vesical wounds (author's transl)] Aulagnier G, et al. **J Chir (Paris)** 1980 Apr;117(4):257–8 (Eng. Abstr.) **(Fre)**

INNERVATION

Evidence that cell bodies of non-cholinergic, excitatory neurones which supply the smooth muscle of the chicken rectum are located in the ganglia of Remak's nerve. Kanazawa T, et al. **Br J Pharmacol** 1980;71(2):519–24
The effects of alpha- and beta-adrenoceptor activation on tension and membrane properties of the longitudinal smooth muscle of the chicken rectum. Komori S, et al. **Br J Pharmacol** 1980;71(2):479–88
Rectal biopsy findings in infantile neuroaxonal dystrophy. Goebel HH, et al. **Neuropediatrics** 1980 Nov;11(4):388–92

METABOLISM

A dynamic study of rectally absorbed ammonia in liver cirrhosis using [13N]ammonia and a positron camera. Koen H, et al. **Dig Dis Sci** 1980 Nov;25(11):842–8

Enhanced thromboxane A2 and prostacyclin production by cultured rectal mucosa in ulcerative colitis and its inhibition by steroids and sulfasalazine. Ligumsky M, et al. **Gastroenterology** 1981 Sep;81(3):444–9

Effect of prednisolone on prostaglandin synthesis by rectal mucosa in ulcerative colitis: investigation by laminar flow bioassay and radioimmunoassay. Rawkey CJ, et al. **Gut** 1981 Mar;22(3):190–3

Antigen-binding activity and allergenicity of heterologous gamma-globulin absorbed from the rectum. Nagatomi H, et al. **Int Arch Allergy Appl Immunol** 1980;63(3):340–3

Enhancement of rectal absorption of drugs by adjuvants. Nishihata T, et al. **J Pharm Sci** 1980 Jun;69(6):744–5

[Evaluation of adrenocortical functional reserve and hydrocortisone hemisuccinate absorption from the rectal mucosa in ulcerative colitis] Ostrowski J. **Pol Tyg Lek** 1980 Jun 2;35(22):819–20 (Eng. Abstr.) **(Pol)**

[Research on rectal/resorption of I 131-labeled sodium from suppositories prepared with indigenous hydrogenated fats] Verbuță A, et al. **Rev Med Chir Soc Med Nat Iasi** 1980 Apr-Jun;84(2):299–303 (Eng. Abstr.) **(Rum)**

MICROBIOLOGY

Incidence of lysogeny, colicinogeny, and drug resistance in enterobacteria isolated from sewage and from rectum of humans and some domesticated species. Dhillon TS, et al. **Appl Environ Microbiol** 1981 Apr;41(4):894–902

Prevalence and site-pathogen studies of Neisseria meningitidis and N gonorrhoeae in homosexual men. Janda WM, et al. **JAMA** 1980 Nov 7;244(18):2060–4

Oxalate degradation by microbes of the large bowel of herbivores: the effect of dietary oxalate. Allison MJ, et al. **Science** 1981 May 8;212(4495):675–6

[Changes in bacterial flora of the large intestine of rats in various stages of large-intestinal neoplasms induced by methylnitronitrosoguanidine] Chlap Z, et al. **Patol Pol** 1980 Apr-Jun;31(2):233–44 (Eng. Abstr.) **(Pol)**

PARASITOLOGY

[Monitoring the treatment of S. haematobium schistosomiasis by rectal biopsy (letter)] Pieron R, et al. **Nouv Presse Med** 1981 Feb 14;10(6):430–1 **(Fre)**

PATHOLOGY

Rectal biopsy in early Lymphogranuloma venereum proctitis. Geller SA, et al. **Am J Gastroenterol** 1980 Nov;74(5):433–5

Rectal suction biopsy for the diagnosis of Hirschsprung's disease. Andrassy RJ, et al. **Ann Surg** 1981 Apr; 193(4):419–24

Invasion of the rectum by carcinoma of the prostate. Goldfarb S, et al. **Arch Surg** 1980 Sep;115(9):1117–9

Rectal biopsy in Crohn's disease. Iliffe GD, et al. **Dig Dis Sci** 1981 Apr;26(4):321–4

Technique of rectal biopsy. Nivatvongs S. **Dis Colon Rectum** 1981 Mar-Apr;24(2):132

Rectal biopsy in the diagnosis of Crohn's disease: value of multiple biopsies and serial sectioning. Surawicz CM, et al. **Gastroenterology** 1981 Jan;80(1):66–71

Influence of two different fixatives on the identification of plasma cells in human rectal mucosa. Heyworth MF. **J Histochem Cytochem** 1980 Sep;28(9):1018–20

[Diagnosis of Hirschsprung's disease by rectal biopsy] Vinograd I, et al. **Harefuah** 1981 Jan 15;100(2):57–8 (Eng. Abstr.) **(Heb)**

[Rectal aspiration biopsy in the diagnosis of chronic constipation in children] Hilgier A, et al. **Pediatr Pol** 1980 Sep;55(9):1065–70 (Eng. Abstr.) **(Pol)**

[Effect of antibacterial therapy on regeneration of large-intestinal mucosa in dysentery] Tumanov FA, et al. **Ter Arkh** 1980;52(11):17–9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Rectal temperature is best indicator of adequate rewarming during cardiopulmonary bypass [letter] Azar I. **Anesthesiology** 1981 Aug;55(2):189–90

An assessment of anorectal motility in the management of adult megacolon. Taylor I, et al. **Br J Surg** 1980 Oct; 67(10):754–6

Some properties of rectum and vagina as sites for basal body temperature measurement. Abrams RM, et al. **Fertil Steril** 1981 Mar;35(3):313–6

Postoperative sequential anorectal manometric study of children with Hirschsprung's disease. Nagasaki A, et al. **J Pediatr Surg** 1980 Oct;15(5):615–9

Sympathetic activity in the recto-rectal reflex of the guinea pig. Takaki M, et al. **Pfluegers Arch** 1980 Oct;388(1):45–52

[Manometric reading of rectal pressure profiles (author's transl)] Festge OA, et al. **Zentralbl Chir** 1980; 105(22):1473–82 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Anorectal pressure and rectal compliance after low anterior resection. Suzuki H, et al. **Br J Surg** 1980 Sep;67(9):655–7

An assessment of anorectal motility in the management of adult megacolon. Taylor I, et al. **Br J Surg** 1980 Oct; 67(10):754–6

Rectal mucosal prostaglandin E2 release and its relation to disease activity, electrical potential difference, and treatment in ulcerative colitis. Rampton DS, et al. **Gut** 1980 Jul;21(7):591–6

Rectal distensibility in the irritable bowel syndrome. Kullmann G, et al. **Ir Med J** 1981 May;74(5):140–2

Functional evaluation of the rectal ampulla with ampullometrogram. Bubrick MP, et al. **J R Soc Med** 1980 Apr;73(4):234–7

Rectoanal pressures and rectal compliance in constipated infants and children. Suzuki H, et al. **Z Kinderchir Grenzgeb** 1980 Apr;29(4):330–6

[Sensitivity and distensibility of the rectal wall in ulcerative colitis] Denis P, et al. **Gastroenterol Clin Biol** 1980 Dec; 4(12):870–4 (Eng. Abstr.) **(Fre)**

[The value and reliability of ano-rectal electromanometry (author's transl)] Holschneider AM, et al. **Z Kinderchir** 1981 May;33(1):25–38 **(Ger)**

[Assessment of continence after treatment for anorectal malformations. I. Manometric study (author's transl)] Tanaka K. **Nippon Geka Hokan** 1980 May 1;49(3):293–307 (Eng. Abstr.) **(Jpn)**

RADIATION EFFECTS

Effect of X irradiation on the rectum of the rat. Hubmann FH. **Br J Radiol** 1981 Mar;54(639):250–4

CT findings in the perirectal area following radiation therapy. Doubleday LC, et al. **J Comput Assist Tomogr** 1980 Oct; 4(5):634–8

The radioprotective effect of misonidazole (Ro-07-0582) on normal canine rectum. Stryker JA, et al. **Strahlentherapie** 1980;156(10):719–24

[Radiation injuries to the rectum after cervical cancer therapy using the Agat-B after loading apparatus and their treatment] Bardychev MS, et al. **Med Radiol (Mosk)** 1981 Apr;26(4):28–31 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Radiography of the distal colon and rectum after irradiation of carcinoma of the cervix. Meyer JE. **AJR** 1981 Apr; 136(4):691–9

The rectosigmoid index. Siegel MJ, et al. **Radiology** 1981 May;139(2):497–9

[Assessment of continence after treatment for anorectal malformations. II Radiologic study (author's transl)] Tanaka K. **Nippon Geka Hokan** 1980 May 1;49(3):308–22 (Eng. Abstr.) **(Jpn)**

SURGERY

Topical or oral antibiotics against wound infection in colorectal surgery. Ostergaard AH, et al. **Aktuel Probl Chir Orthop** 1981;19:105–7

The use of new antibiotics in colorectal surgery. Eisenberg HW. **Am J Proctol Gastroenterol Colon Rectal Surg** 1981 Jun;32(6):9–10, 26

The new USA stapling apparatus (EEA-31) for a low anterior resection of the rectum. Fain S. **Am J Proctol Gastroenterol Colon Rectal Surg** 1980 Jul; 31(7):20,25–6

Ketamine anesthesia for anorectal surgery in children. Lotfy AO, et al. **Am J Proctol Gastroenterol Colon Rectal Surg** 1980 Sep; 31(9):26–31

Randomized prospective evaluation of the EEA stapler for colorectal anastomoses. Beart RW Jr, et al. **Am J Surg** 1981 Jan;141(1):143–7

Hemorrhage from ileal varices after total proctocolectomy. Cooper MJ, et al. **Am J Surg** 1981 Jan;141(1):178–9

Colorectal foreign bodies and perforation. Crass RA, et al. **Am J Surg** 1981 Jul;142(1):85–8

Low side-to-side sigmorectal anastomosis with intestinal staplers. Freeman JB, et al. **Am J Surg** 1980 May; 139(5):726–7

Faltin lecture. The use of stapling devices for the construction of low rectal anastomoses. Goligher JC. **Ann Chir Gynaecol** 1980;69(4):125–31

Experiences with the EEA stapling instrument for colorectal anastomosis. Laitinen S, et al. **Ann Chir Gynaecol** 1980; 69(3):102–5

Use of peroperative cefoxitin to prevent infection after colonic and rectal surgery. Hoffmann CE, et al. **Ann Surg** 1981 Mar;193(3):353–6

Antibiotic prophylaxis with cefoxitin in colorectal surgery: effect on the colon microflora and septic complications--a clinical model for prediction of the benefit and risks in using a new antibiotic in prophylaxis. Kager L, et al. **Ann Surg** 1981 Mar;193(3):277–82

A bacteriological evaluation of three methods of bowel preparation for elective colorectal surgery. van den Bogaard AE, et al. **Antonie Van Leeuwenhoek** 1981 Mar; 47(1):86–8

Enterorectal and colorectal anastomosis. Evaluation of techniques including midtransverse or left-sided colon tube colostomy and pelvic drainage. Hilsabeck JR. **Arch Surg** 1981 Jul;116(7):921–5

Transabdominal posterior proctopexy using an inverted T of synthetic material. Hilsabeck JR. **Arch Surg** 1981 Jan; 116(1):41–4

Colectomy with rectal mucosectomy and ileoanal anastomosis in young patients. Its use for ulcerative colitis and familial polyposis. Telander RL, et al. **Arch Surg** 1981 May;116(5):623–9

Anterior rectal advancement flap in the repair of benign rectoprostatic fistula. Johnson WR, et al. **Aust NZ J Surg** 1981 Aug;51(4):383–5

Prevention of wound infection in elective colorectal resections by preoperative cephazolin with and without metronidazole. McDermott FT, et al. **Aust NZ J Surg** 1981 Aug;51(4):351–3

Improved techniques in E.E.A. Stapling for ultra low colorectal and colo-anal anastomosis. Polglase AL, et al. **Aust NZ J Surg** 1981 Apr;51(2):211–6

Function of the anal sphincters following anterior resections of rectum. Cortesini C, et al. **Boll Soc Ital Biol Sper** 1979 May 15;55(9):871–6

Function of the anal sphincters following pull-through operations without anal eversion. Cortesini C, et al. **Boll Soc Ital Biol Sper** 1979 May 15;55(9):884–9

Stricture of the descending colon following low anterior resection of the rectum. Bullen BR. **Br J Clin Pract** 1981 Jan;35(1):55–6

The prognosis of ileorectal anastomosis in Crohn's disease. Buchmann P, et al. **Br J Surg** 1981 Jan;68(1):7–10

Technical hints for the use of the EEA stapler. Buchmann P, et al. **Br J Surg** 1981 May;68(5):338

Complications of anterior resection of the rectum using the EEA stapling device. Cade D, et al. **Br J Surg** 1981 May; 68(5):339–40

Suprapubic bladder drainage in colorectal surgery. Christensen PB, et al. **Br J Surg** 1981 May;68(5):348–9

The place of isolated rectal excision in the treatment of ulcerative colitis. Clark CG, et al. **Br J Surg** 1980 Sep; 67(9):653–4

The low stapled anastomosis. Heald RJ, et al. **Br J Surg** 1981 May;68(5):333–7

Functional results of rectal excision and endo-anal anastomosis. Keighley MR, et al. **Br J Surg** 1980 Oct; 67(10):757–61

An aid to low restorative anastomosis of the rectum. Munro A, et al. **Br J Surg** 1980 Aug;67(8):568

Proctocolectomy with ileal reservoir and anal anastomosis. Parks AG, et al. **Br J Surg** 1980 Aug;67(8):533–8

Late disruption of initially satisfactory stapled anastomoses. Fielding JW, et al. **Br Med J** 1980 Jun 14;280(6229):1418–9

Colorectal anastomosis by transanal end-to-end stapling. Stoller JL, et al. **Can J Surg** 1980 Sep;23(5):461–4

Side-to-end anastomosis in low anterior resection with the EEA stapler. Adloff M, et al. **Dis Colon Rectum** 1980 Oct; 23(7):456–8

Clinical comparison of perineal wound management. Alpsan K, et al. **Dis Colon Rectum** 1980 Nov-Dec;23(8):564–6

A clinical comparison of handsewn vs. stapled anastomoses. Beart RW Jr. **Dis Colon Rectum** 1981 May-Jun;24(4):234–5

Evaluation of sexual dysfunction in the female following rectal resection and intestinal stoma. Brouillette JN, et al. **Dis Colon Rectum** 1981 Mar-Apr;24(2):96–102

Effect of technique on anastomotic dehiscence. Bubrick MP. **Dis Colon Rectum** 1981 May-Jun;24(4):232–3

Complete prolapse of the rectum treated by modified Orr operation. Christiansen J, et al. **Dis Colon Rectum** 1981 Mar-Apr;24(2):90–2

Posterior transsphincteric approach for surgery of the rectum: the Bevan operation. Criado FJ, et al. **Dis Colon Rectum** 1981 Apr;24(3):145–50

Stapled anastomosis in colorectal surgery. Cutait DE, et al. **Dis Colon Rectum** 1981 Apr;24(3):155–60

Comparison of two agents in prevention of urinary retention after benign anorectal surgery. Eftaiha MS, et al. **Dis Colon Rectum** 1980 Oct;23(7):470–2

Hartmann procedure reconstruction with EEA stapler. Mittal VK, et al. **Dis Colon Rectum** 1981 Apr;24(3):215–6

Anastomosis with EEA stapler after anterior colonic resection. Smith LE. **Dis Colon Rectum** 1981 May-Jun; 24(4):236–42

Emergency abdominal colectomy with primary anastomosis. Terry BG, et al. **Dis Colon Rectum** 1981 Jan-Feb;24(1):1–4

Restorative proctocolectomy with ileal reservoir: a pathophysiological assessment. Nicholls RJ, et al. **Gut** 1981 Jun;22(6):462–8

Obstructive uropathy after pan-proctocolectomy for ulcerative colitis. Wilson MC, et al. **Gut** 1980 Sep; 21(9):808–9

A new transrectal pull-through operation for high anorectal anomalies. Aleem AA, et al. **J Pediatr Surg** 1980 Oct; 15(5):620–2

An evaluation of the modified endorectal procedure for Hirschsprung's disease. Jordan FT, et al. **J Pediatr Surg** 1979 Dec;14(6):681–5

Low anterior resection with a long posterior anorectal myectomy and sphincterectomy for Hirschsprung's disease. Lernau OZ, et al. **J Pediatr Surg** 1980 Oct;15(5):613–4

Total colectomy and ileorectal anastomosis. Aylett SO. **J R Coll Surg Edinb** 1981 Jan;26(1):28–33

Colorectal anastomosis: factors influencing success. Tagart RE. **J R Soc Med** 1981 Feb;74(2):111–8

Maintenance of GI function after bowel surgery and immediate enteral full nutrition. I. Doubling of canine colorectal anastomotic bursting pressure and intestinal wound mature collagen content. Moss G, et al. **JPEN** 1980 Nov-Dec;4(6):535–8

The endorectal pullthrough: surgical considerations. Heimann T. **Mt Sinai J Med (NY)** 1980 Nov-Dec; 47(6):606–11

Systemic prophylaxis in colorectal surgery a comparison between tinidazole and doxycycline. Höjer H, et al. **Scand J Infect Dis [Suppl]** 1981;26:75–8

Effect of tinidazole prophylaxis on the normal microflora in patients undergoing colorectal surgery. Kager L, et al. **Scand J Infect Dis [Suppl]** 1981;26:84–91

Whole gut irrigation with saline, tinidazole and colistin before colorectal operations. Raahave D, et al. **Scand J Infect Dis [Suppl]** 1981;26:79–83

A comparison of end-to-end staple and suture colorectal anastomosis in the dog. Polglase AL, et al. **Surg Gynecol Obstet** 1981 Jun;152(6):792–6

Rectal membrane: an unusual complication following use of the circular stapling instrument for colorectal anastomosis. Brain J, et al. **Surgery** 1981 Feb;89(2):271–4

An improved technique for low anterior resection of the rectum using the EEA stapler. Knight CD, et al. **Surgery** 1980 Nov;88(5):710–4

[Extra-anal mosaic type of rectocolostomy for Hirschsprung's disease: report of 68 cases (author's transl)] Lai BY. **Chung Hua Wai Ko Tsa Chih** 1980 Dec; 18(6):559–61 **(Chi)**

[On the cause, prevention and treatment of presacral massive hemorrhage during rectectomy (author's transl)] Wang QY. **Chung Hua Wai Ko Tsa Chih** 1980 Dec;18(6):562–3 **(Chi)**

[Application of anterior rectus sheath tape for suspension of rectum in treatment of prolapse (author's transl)] Wen ZM. **Chung Hua Wai Ko Tsa Chih** 1981 Feb;19(2):79 (Eng. Abstr.) **(Chi)**

[Treatment of congenital high imperforate anus with intrarectal pullthrough procedure (author's transl)] Xu BY. **Chung Hua Wai Ko Tsa Chih** 1981 Feb;19(2):85–6 (Eng. Abstr.) **(Chi)**

[Plication of anterior rectal wall in the treatment of complete prolapse of rectum in adults: report of 41 cases (author's transl)] Yu DH. **Chung Hua Wai Ko Tsa Chih** 1981 Feb; 19(2):77–8 (Eng. Abstr.) **(Chi)**

[Use of EEA stapler in colorectal surgery (author's transl)] Detry R, et al. **Acta Chir Belg** 1981 Jan–Feb;80(1):11–5 (Eng. Abstr.) **(Fre)**

[The EEA stapler in low rectal anastomoses: preliminary results (author's transl)] Lantin A, et al. **Acta Chir Belg** 1981 Jan–Feb;80(1):17–25 (Eng. Abstr.) **(Fre)**

[Mechanical anastomosis of the rectum with the EEA stapling device. A sixty cases appraisal (author's transl)] Lazorthes F, et al. **Ann Chir** 1981 May;35(5):374–6 (Eng. Abstr.) **(Fre)**

[Apropos of the letter of Messrs Adloff, Arnaud and Ollier on the role of circular mechanical anastomoses in rectal resection for neoplasms (letter)] Roy B. **Chirurgie** 1980; 106(6):459 **(Fre)**

[Circular mechanical colorectal anastomoses. Apropos of the letter by Mr. Adloff and colleagues (letter)] Stoppa R, et al. **Chirurgie** 1980;106(6):461–3 **(Fre)**

[Sphincterial conservation in surgery of carcinoma of the rectum (author's transl)] **J Chir (Paris)** 1981 Feb; 118(2):105–14 (Eng. Abstr.) **(Fre)**

[Low colorectal suture with the EEA stapling device for carcinoma of the rectum. A report of 50 cases (author's transl)] Bérard P, et al. **J Chir (Paris)** 1981 Feb;118(2):115–9 (Eng. Abstr.) **(Fre)**

[Abdominal approach to rectal resection with subperitoneal anastomosis by anterior colorectal intubation (author's transl)] Toupet A. **J Chir (Paris)** 1980 Dec;117(12):705–12 (Eng. Abstr.) **(Fre)**

[A new perineal approach to rectal tumors : anterior anorectotomy with section of the anal sphincter (author's transl)] Toupet A. **J Chir (Paris)** 1981 Mar;118(3):191–5 (Eng. Abstr.) **(Fre)**

[Supra-anal termino-terminal anastomosis. Use of EEA and ASP clips] Fallouh H, et al. **Med Chir Dig** 1980;9(4):337–9 **(Fre)**

[Mechanical anastomosis after anterior rectum resection] Becker H, et al. **Chirurg** 1980 May;51(5):341–3 **(Ger)**

[First experiences with an automatic stapler for intestinal anastomoses] Berthold S, et al. **Chirurg** 1980 Oct; 51(10):671–4 **(Ger)**

[Safe aboral distance in the sphincter-preserving resection of the rectum] Hermanek P, et al. **Chirurg** 1981 Jan; 52(1):25–9 (Eng. Abstr.) **(Ger)**

[Indications and results of the transsphincteric Mason approach (author's transl)] Neff U, et al. **Ther Umsch** 1980 Sep;37(9):728–33 (Eng. Abstr.) **(Ger)**

[One-stage-resection of colon and rectum without protective colostomy — a safe procedure (author's transl)] Becker H, et al. **Zentralbl Chir** 1980;105(13):817–24 (Eng. Abstr.) **(Ger)**

[Auto-suture stapler EEA in surgery of the colon and rectum [author's transl)] Thiede A, et al. **Zentralbl Chir** 1980; 105(13):825–32 (Eng. Abstr.) **(Ger)**

[Urodynamic evaluations after abdomino-perineal resection of the rectum (author's transl)] Potenzoni D, et al. **Ateneo Parmense [Acta Biomed]** 1980;51 Suppl 1:67–74 (Eng. Abstr.) **(Ita)**

[Decompressive transversotomy. Technic of performance and closure] Dagradi V, et al. **Chir Ital** 1980 Dec; 32(6):1630–5 (Eng. Abstr.) **(Ita)**

[The role of decompressive transversotomy in surgery of the left colon and rectum (personal experience)] Delaini GG, et al. **Chir Ital** 1980 Dec;32(6):1622–9 (Eng. Abstr.) **(Ita)**

[Anesthesiological indications in proctological surgery] Bertoldi G, et al. **Minerva Anestesiol** 1980 Apr;46(4):473–8 (Eng. Abstr.) **(Ita)**

[Use of the mechanical suturing device in the formation of anastomoses after anterior resection of the rectum] Becker H, et al. **Minerva Chir** 1981 May 15;36(9):565–8 **(Ita)**

[Comparative analysis of the repercussions, on water-electrolyte metabolism, of protocolectomy with cutaneous ileostomy and, respectively, of total colectomy with ileo-rectostomy] Bechi P, et al. **Minerva Dietol Gastroenterol** 1980 Jul–Sep;26(3):149–52 **(Ita)**

[Reconsideration of vesicorectostomy] Proca E. **Rev Chir [Chir]** 1981 Jan–Feb;30(1):35–41 (Eng. Abstr.) **(Rum)**

[Plastic operations in total absence of the sphincter apparatus of the large intestine (a review of the literature)] Amelin VM, et al. **Khirurgiia (Mosk)** 1981 Jun;(6):105–10 (67 ref.) **(Rus)**

[Creation of a controllable closure apparatus after excision of the rectum] Fedorov VD, et al. **Khirurgiia (Mosk)** 1981 Jul;(7):82–6 **(Rus)**

[Restoration of intestinal patency after an abdominoanal resection of the rectum with colostomy] Fedorov VD, et al. **Khirurgiia (Mosk)** 1981 Apr;(4):23–7 (Eng. Abstr.) **(Rus)**

[Evolution in the choice of surgical treatment methods in rectal cancer in view of the immediate and late results] Parakhoniak VI, et al. **Khirurgiia (Mosk)** 1981 Apr;(4):35–9 (Eng. Abstr.) **(Rus)**

[Results of rectal extirpation with aorto-ileo-pelvic lymphadenectomy for cancer] Zybina MA. **Klin Khir** 1981; (5):22–4 (Eng. Abstr.) **(Rus)**

[Transverse ilioperineal drainage after simultaneous operations on the rectum] Amelina OP, et al. **Vestn Khir** 1981 Feb;126(2):45–7 (Eng. Abstr.) **(Rus)**

[Revascularization of the large intestine transplanted downward onto the perineum in abdomino-anal resection of the rectum] Chernyshev VN, et al. **Vestn Khir** 1981; 126(5):40–5 **(Rus)**

[Combined anesthesia in minor proctological operations] Beliaev VL, et al. **Voen Med Zh** 1981 Jan;(1):28–30 **(Rus)**

[Anterior resection of the rectum for the treatment of Hirschsprung's disease (author's transl)] Batinica S, et al. **Lijec Vjesn** 1981;102(12):703–5 (Eng. Abstr.) **(Scr)**

[Dilemmas in surgery of the colon and rectum] Končan O. **Acta Chir Iugosl** 1980;27 Suppl 2:27–32 (Eng. Abstr.) **(Slv)**

ULTRASTRUCTURE

Secretory component in immmunoglobulin deficiency: and immunoelectron microscopic study of intestinal epithelium. Nagura H, et al. **Scand J Immunol** 1980;12(4):359–63

RECURRENCE see under **DISEASE**

RECURRENT LARYNGEAL NERVE see under **LARYNGEAL NERVES**

RED CELL INDICES see **ERYTHROCYTE INDICES**

RED CELL MASS see **ERYTHROCYTE VOLUME**

RED CELL SUBSTITUTES see **BLOOD SUBSTITUTES**

RED CROSS

Hepatitis-associated markers in the American Red Cross volunteer blood donor population. I. Trends in HBsAg detection, 1975—1978. Bastiaans MJ, et al. **Vox Sang** 1980 Jul;39(1):1–8

[Dental mission of the Swiss Red Cross in Thailand] Steiner PJ. **SSO** 1981 Feb;91(2):119–23 **(Fre)**

[Interval estimation of important performance parameters in the ambulance service of the GDR German Red Cross (DRK)] Döhler G, et al. **Z Gesamte Hyg** 1980;26(7):534–8 (Eng. Abstr.) **(Ger)**

HISTORY

Henri Dunant and the Red Cross. Morgenstern S. **Bull NY Acad Med** 1981 May;57(4):311–26

Historical perspectives before 1945 – updated. Levine P. **Prog Clin Biol Res** 1980;43:3–11

The American Red Cross – a centennial year [editorial] Bertini RC. **RI Med J** 1981 Apr;64(4):183–4

[Centenary of the Hungarian Red Cross] Kapronczay K. **Orv Hetil** 1981 May 17;122(20):1197–9 **(Hun)**

[New data from the history of the Red Cross in prerevolutionary Russia] Egorysheva IV. **Sov Zdravookhr** 1981;(2):57–60 **(Rus)**

ORGANIZATION & ADMINISTRATION

[Cooperative efforts of the public health institutions and Red Cross Society committees of the RSFSR in spreading sanitary-hygienic informaion among the people] Tiuliandin AD, et al. **Gig Sanit** 1980 Jun;(6):38–40 **(Rus)**

RED NUCLEUS

Inferior red nucleus syndrome (Benedikt's syndrome) due to a single intramesencephalic metastasis from a prostatic carcinoma. Case report. Loseke N, et al. **Acta Neurochir (Wien)** 1981;56(1–2):59–64

ANALYSIS

Light and electron microscopic immunocytochemical localization of adrenocorticotrophin-like activity in rat cerebellar and red nuclei. Léránth C, et al. **Neuroscience** 1981;6(3):481–7

ANATOMY & HISTOLOGY

Anatomical evidence for direct fiber projections from the cerebellar nucleus interpositus to rubrospinal neurons. A quantitative EM study in the rat combining anterograde and retrograde intra-axonal tracing methods. Dekker JJ. **Brain Res** 1981 Feb 2;205(2):229–44

Quantitative differences in collateralization of the descending spinal pathways from red nucleus and other brain stem cell groups in rat as demonstrated with the multiple fluorescent retrograde tracer technique. Huisman AM, et al. **Brain Res** 1981 Mar 30;209(2):271–86

ENZYMOLOGY

Decrease in choline acetyltransferase activity in the red nucleus of the cat after cerebellar lesion. Nieoullon A, et al. **Neuroscience** 1981;6(8):1633–41

PHYSIOLOGY

Effects of red nucleus lesions on forelimb movements in the cat. Sybirska E, et al. **Acta Neurobiol Exp (Warsz)** 1980; 40(5):821–41

Acoustic input to neurons in feline red nucleus. Irvine DR. **Brain Res** 1980 Oct 27;200(1):169–73

Corticospinal and corticorubral projections from the supplementary motor area in the monkey. Palmer C, et al. **Brain Res** 1981 Mar 30;209(2):305–14

Motor cortical modulation of the macaque red nucleus. Larsen KD, et al. **Exp Brain Res** 1981;43(3–4):315–23

The red nucleus of the monkey. Topographic localization of somatosensory input and motor output. Larsen KD, et al. **Exp Brain Res** 1980;40(4):393–404

Inhibition of rubro-spinal cells by somesthetic afferent activity. Padel Y, et al. **Neurosci Lett** 1981 Jan 20; 21(2):177–82

[Synaptic processes in red nucleus neurons induced in the cat by stimulation of the substantia nigra] Sarkisian DS, et al. **Neirofiziologiia** 1981;13(2):149–58 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Neurophysiological effects of experimental intracranial hypertension on three different structures of the brain stem in the cat. Rostrocaudal deterioration. George B. **Acta Neurochir (Wien)** 1980;55(1–2):71–83

ULTRASTRUCTURE

An ultrastructural investigation of afferent connections of the red nucleus in the rat. Flumerfelt BA. **J Anat** 1980 Dec;131(Pt 4):621–33

RED TIDE

see related
SAXITOXIN

Central respiratory and circulatory effects of Gymnodinium breve toxin in anaesthetized cats. Borison HL, et al. **Br J Pharmacol** 1980 Oct;70(2):249–56

PHYSIOLOGY

Toxin T4(6) from Ptychodiscus brevis (formerly Gymnodinium breve) enhances activation of voltage-sensitive sodium channels by veratridine. Catterall WA, et al. **Mol Pharmacol** 1981 Mar;19(2):345–8

REDOX see **OXIDATION-REDUCTION**

REDUCTASES see **OXIDOREDUCTASES**

REDUVIIDAE see **TRIATOMIDAE**

REELER MICE see **MICE, NEUROLOGIC MUTANTS**

REFERENCE BOOKS

Handbook of Physiology 1959–1978. **Physiologist** 1980 Oct; 23(5):14–6

Reference material for health auxiliaries and their teachers. **WHO Offset Publ** 1976;(28):1–97 **(Eng, Fre)**

REFERENCE BOOKS, MEDICAL

Selected list of books and journals for the small medical library. Brandon AN, et al. **Bull Med Libr Assoc** 1981 Apr; 69(2):185–215

'Handbook of non-prescription drugs' [letter] Sutter MC. **Can Med Assoc J** 1980 Dec 6;123(11):1101–2

Morbidity recording by E-book in community practice. Sullivan RJ Jr. **J Fam Pract** 1981 Apr;12(4):758–60

Effect of self-care book [letter] Vickery DM, et al.

JAMA 1981 Jan 23-30;245(4):341-2

REFERENCE RANGES see REFERENCE VALUES

REFERENCE STANDARDS

Size definitions for particle sampling: recommendations of ad hoc working group appointed by Committee TC 146 of the International Standards Organization. **Am Ind Hyg Assoc J** 1981 May;42(5):A64-8

Reliability of 'standard' plasmas used by clinical laboratories for one-stage factor VIII assays. Harper TA, et al. **Am J Clin Pathol** 1981 Feb;75(2):197-200

A review of platelet counting performance in the United States. Wertz RK, et al. **Am J Clin Pathol** 1980 Oct;74(4 Suppl):575-80

Platelet adsorption-source of error in reference controls. Ryan WL, et al. **Am J Med Technol** 1980 Sep;46(9):665-7

Longitudinal cephalometric standards from 5 years of age to adulthood. Bishara SE. **Am J Orthod** 1981 Jan; 79(1):35-44

Relative potencies of four reference endotoxin standards as measured by the Limulus amoebocyte lysate and USP rabbit pyrogen tests. Weary ME, et al. **Appl Environ Microbiol** 1980 Dec;40(6):1148-51

A performance criterion for amalgamators, capsules, pestles, and alloys. Darvell BW. **Aust Dent J** 1980 Jun;25(3):146-7

The Australian reference preparation of human serum immunoglobulins. Turner KJ, et al. **Aust J Exp Biol Med Sci** 1980 Aug;58(4):351-6

Development of a provisional reference human cord serum standard for alpha-fetoprotein determination. Griffiths BW, et al. **Clin Biochem** 1980 Dec;13(6):279-84

A digitally linearized thermistor thermometer referenced to IPTS-68. Berger RL, et al. **Clin Chem** 1980 Dec; 26(13):1813-5

Suitability of control materials. General principles and methods of investigation. Bretaudiere JP, et al. **Clin Chem** 1981 Jun;27(6):798-805

Dilution as a source of error: implications for preparation and calibration of laboratory standards and for quality control of radioimmunoassays. Gaines Das RE. **Clin Chem** 1980 Nov;26(12):1726-9

An optically clear hypercholesterolemic hypertriglyceridemic quality-control material prepared from animal lipid sources. Proksch GJ, et al. **Clin Chem** 1981 Mar;27(3):468-71

A multi-rule Shewhart chart for quality control in clinical chemistry. Westgard JO, et al. **Clin Chem** 1981 Mar; 27(3):493-501

A system for proficiency testing in immunohaematology. Ezer SC, et al. **Clin Lab Haematol** 1981;3(2):143-53

Proficiency testing in immunohaematology in Ontario, Canada, 1977-1979. Pinkerton PH, et al. **Clin Lab Haematol** 1981;3(2):155-64

Reference Japanese man--II. Distribution of strontium in the skeleton and in the mass of mineralized bone. Tanaka G, et al. **Health Phys** 1981 May;40(5):601-14

A comparison of the pathological effects in rats of the UICC reference samples of amosite and chrysotile with those of amosite and chrysotile collected from the factory environment. Davis JM, et al. **IARC Sci Publ** 1980; 1(30):285-92

Physical and chemical characteristics of UICC reference samples. Rendall RE. **IARC Sci Publ** 1980;1(30):87-96

Uses of the UICC samples. Timbrell V. **IARC Sci Publ** 1980; 1(30):127-42

A proposal for a standard reference artificial urine in in vitro urolithiasis experiments. Burns JR, et al. **Invest Urol** 1980 Sep;18(2):167-9

A U.S. reference for human immunoglobulin E. Evans R 3d. **J Allergy Clin Immunol** 1981 Jul;68(1):79-82

Opacity units and opacity-unit mililitres. Wardlaw AC. **J Biol Stand** 1980;8(2):123-6

Cyanmethaemoglobin reference preparations [letter] Lewis SM, et al. **J Clin Pathol** 1980 Jul;33(7):700-1

Reference standard for packed cell volume [letter] Petrucci JV. **J Clin Pathol** 1980 Sep;33(9):905

The cryopreservation of standard sera. Tosswill JH, et al. **J Clin Pathol** 1981 Jan;34(1):76-7

Clinical standardization of horizontal tooth mobility. Stoller NH, et al. **J Clin Periodontol** 1980 Jun;7(3):242-50

The possibility of a normative medical ethics. Thomasma DC. **J Med Philos** 1980 Sep;5(3):249-59

Growth standards for blacks: current status. Schutte JE. **J Natl Med Assoc** 1980 Oct;72(10):973-8

Why a reference collection of living protozoa? Daggett PM, et al. **J Protozool** 1980 Nov;27(4):507-8

Ovarian imaging by ultrasound: an attempt to define a reference plane. Hackelöer BJ, et al. **JCU** 1980 Dec; 8(6):497-500

Measuring children: one reference for all. Graitcer PL, et al. **Lancet** 1981 Aug 8;2(8241):297-9

Standardisation in relation to human albumin. Hobbs JR. **Ric Clin Lab** 1980 Jan-Mar;10(1):173-8

Standardisation in relation to human immunoglobulins. Hobbs JR. **Ric Clin Lab** 1980 Jan-Mar;10(1):179-87

Use of isotope dilution--mass spectrometry for accuracy control of different routine methods used in clinical chemistry. Björkhem I, et al. **Scand J Clin Lab Invest** 1980 Oct;40(6):529-34

Standards for Factor VIII. Barrowcliffe TW. **Scand J Haematol** 1980;25(Suppl 37):104-9

Thromboplastin reference preparations. Denson KW. **Scand J Haematol** 1980;25(Suppl 37):9-20

The use of reference plasmas in the control of oral anticoagulant therapy. Miale JB. **Scand J Haematol** 1980; 25(Suppl 37):21-33

Standardization of the APTT test. Current status. Poller L. **Scand J Haematol** 1980;25(Suppl 37):49-63 (23 ref.)

Which are the parameters to be controlled in red cell products (whole blood, red cell concentrates, washed red cells, leucocyte poor red cell concentrates, frozen red cells) in order that they may be offered to the medical profession as standardised products with specified properties? **Vox Sang** 1980 Oct;39(4):229-40

Development of international standards. Smythe S. **Vox Sang** 1981 Mar;40(3):140-1

[A collaborative study to establish a French standard of adsorbed tetanus antitoxin] Huet M, et al. **J Biol Stand** 1980;8(2):115-22 (Eng. Abstr.) **(Fre)**

[Element standards for quantitative X-ray microanalysis of biological specimens in the scanning transmission electron microscope] Grote M, et al. **Acta Histochem (Jena)** 1981; 68(2):263-78 (Eng. Abstr.) **(Ger)**

[Univariate and multivariate normal values in medicine] Abt K, et al. **Med Welt** 1981 Mar 27;32(13):409-13 **(Ger)**

[Normal range calculation: selection of the truncation coefficient for iterative truncation method with correction (author's trans)] Usui T. **Rinsho Byori** 1981 Mar; 29(3):319-22 **(Jpn)**

[Results of a discussion on the problem of the 'biological norm' (an evaluation of the criteria for the harmfulness of chemical exposures)] Trakhtenberg IM, et al. **Gig Sanit** 1981 May;(5):49-52 **(Rus)**

REFERENCE VALUES

Confidence bands for the growth of head circumference in achondroplastic children during the first year of life. Dawson DV, et al. **Am J Med Genet** 1980;7(4):529-36

Reference values for functional residual capacity and maximal expiratory flow in young children. Buist AS, et al. **Am Rev Respir Dis** 1980 Dec;122(6):983-8

Factors to be taken into consideration for blood sampling in view of establishing reference values (document E. Stage 3). Drosdowsky M, et al. **Ann Biol Clin (Paris)** 1980; 38(4):251-65 **(Eng, Fre)**

Constructing a normal range [letter] Altman DG. **Clin Chem** 1979 Mar;25(3):492-3

The use of patient data for the calculation of reference values for some haematological parameters. Naus AJ, et al. **J Clin Chem Clin Biochem** 1980 Oct;18(10):621-5

The importance of knowing what is normal. Illingworth RS. **Public Health** 1981 Mar;95(2):66-8

The current concepts of 'normal values' and 'clinical reference values' in the clinical laboratory (trials for determining clinical reference values of the Tokai University Hospital). Tadano J, et al. **Tokai J Exp Clin Med** 1980 Jul;5(3):251-62

[Normal reference values in frequently carried out laboratory analyses hematologic cytology and blood coagulation)] Käch O, et al. **Schweiz Med Wochenschr** 1980 Aug 23; 110(34):1244-9 (Eng. Abstr.) **(Ger)**

[Normal values and diagnostic reliability of laboratory tests] Mughetti F, et al. **Quad Sclavo Diagn** 1979 Jun;15(2):275-85 (Eng. Abstr.) **(Ita)**

[Normal values in the clinical laboratory] Jovanović SD. **Med Pregl** 1980;33(5-6):205-8 (Eng. Abstr.) **(Scr)**

REFERRAL AND CONSULTATION

Asthma in Danish general practice. Prevalence and consultation rates. Pedersen PA, et al. **Allergy** 1981 Apr; 36(3):175-81

Psychiatric consultation in a school program for multihandicapped deaf children. Gerber BM, et al. **Am Ann Deaf** 1980 Aug;125(5):579-85

Consultation in the coagulation laboratory. A conceptual analysis. Werner M, et al. **Am J Clin Pathol** 1981 Apr; 75(4):504-8

Multimodal evaluation of therapy versus consultation components in a large inner-city early intervention program. Kirschenbaum DS, et al. **Am J Community Psychol** 1980 Oct;8(5):587-601

Sex status, mental health referral processes, and involuntary disposition. Richardson JG. **Am J Community Psychol** 1980 Aug;8(4):443-53

Consultation to a Puerto Rican drug abuse program. Delgado M. **Am J Drug Alcohol Abuse** 1980;7(1):63-72

Confidentiality in the context of court referrals to mental health professionals. Popiel DJ. **Am J Orthopsychiatry** 1980 Oct;50(4):678-85

Consultees' representations of consultants' psychiatric diagnoses. Callies AL, et al. **Am J Psychiatry** 1980 Oct; 137(10):1250-3

The unstated problem in a psychological testing referral. Cohen LJ. **Am J Psychiatry** 1980 Oct;137(10):1173-6

Psychiatric consultation in the management of patient ambivalence interfering with the doctor-patient relationship. Kris K. **Am J Psychiatry** 1981 Feb; 138(2):194-7

Clinical and cost benefits of liaison psychiatry. Levitan SJ, et al. **Am J Psychiatry** 1981 Jun;138(6):790-3

Psychiatric aftercare: identified needs versus referral patterns. Wasylenki DA, et al. **Am J Psychiatry** 1981 Sep; 138(9):1228-31

Contrasts in academic consultation [editorial] Rudd P. **Ann Intern Med** 1981 Apr;94(4 pt 1):537-8

Compliance with psychiatric consultant's recommendations [letter] Kramer BA, et al. **Arch Gen Psychiatry** 1980 Sep; 37(9):1082-3

Consultees' concordance with consultants' psychotropic drug recommendations. Related variables. Popkin MK, et al. **Arch Gen Psychiatry** 1980 Sep;37(9):1017-21

An analysis of physician resistance to psychiatric consultations. Steinberg H, et al. **Arch Gen Psychiatry** 1980 Sep;37(9):1007-12

Rehabilitation service needs: physicians' perceptions and referrals. Brogan DR. **Arch Phys Med Rehabil** 1981 May; 62(5):215-9

Referring children to an ENT department and prescribing psychotropic drugs to their mothers. Bain DJ, et al. **Br Med J [Clin Res]** 1981 Aug 29;283(6291):585-7

Do general practitioners have different 'referral thresholds'? Cummins RO, et al. **Br Med J [Clin Res]** 1981 Mar 28; 282(6269):1037-9

Sex problems in practice: referring patients to a gynaecologist or psychiatrist and to a marriage guidance counsellor. Myerscough PR, et al. **Br Med J [Clin Res]** 1981 May 16;282(6276):1589-90

Intake follow-up of 'no service' cases. Lefebvre A, et al. **Can J Psychiatry** 1981 Apr;26(3):183-5

Renal dialysis and the liaison psychiatrist. Rodin GM. **Can J Psychiatry** 1980 Oct;25(6):473-7

Consultation-liaison psychiatry in a chronic care hospital: the consultation function. Wasylenki D, et al. **Can J Psychiatry** 1981 Mar;26(2):96-100

Use of hypothetical cases to investigate indications for surgery. Vayda E, et al. **Can J Surg** 1981 Jan;24(1):19-21

The effectiveness of cardiology consultation. Concordance with diagnostic and drug recommendations. Mackenzie TB, et al. **Chest** 1981 Jan;79(1):16-22

Clinic children with poor peer relations: who refers them and why? Janes CL, et al. **Child Psychiatry Hum Dev** 1980 Winter;11(2):113-25

Self-selection and self-referral in breast screening. Hobbs P, et al. **Clin Oncol** 1980 Jun;6(2):143-51

Noninteractive emergency consultation for acute intoxication. Comstock EG. **Clin Toxicol** 1981 Feb; 18(2):133-40

Liaison psychiatry as therapy. Greenhill MH. **Curr Psychiatr Ther** 1980;19:123-8

Going strong: second opinion campaign. **Forum** 1980 Aug; 4(3):42-3

Analysis of patients referred to a gastroenterologist practicing in a community hospital. Manning AP, et al. **Gastroenterology** 1980 Sep;79(3):566-70

Medical and surgical consultations to a general hospital psychiatric unit. Bernstein RA, et al. **Gen Hosp Psychiatry** 1980 Dec;2(4):267-70

A resident's rotation in consultation psychiatry. A maturational experience. Granet RB, et al. **Gen Hosp Psychiatry** 1980 Dec;2(4):306-9

A review of systems approaches to consultation-liaison psychiatry. The need for synthesis. Mohl PC. **Gen Hosp Psychiatry** 1981 Jun;3(2):103-10

Adaptation of residents to consultation-liaison psychiatry. I. Working with the physically ill. Perry S, et al. **Gen Hosp Psychiatry** 1981 Jun;3(2):141-7

Adaptation of residents to consultation-liaison psychiatry. II. Working with the nonpsychiatric staff. Perry S, et al. **Gen Hosp Psychiatry** 1981 Jun;3(2):149-56

Psychiatric consultation-liaison service: patients, requests, and functions. Ries RK, et al. **Gen Hosp Psychiatry** 1980 Sep;2(3):204-12

Supervision in liaison and consultation psychiatry. Solomon S, et al. **Gen Hosp Psychiatry** 1980 Dec;2(4):294-9

Family structure, marital adjustment, and intimacy in patients referred to a consultation-liaison service. Waring EM, et al. **Gen Hosp Psychiatry** 1980 Sep;2(3):198-203

Hospice consultation team: a new multidisciplinary model. Winstead DK, et al. **Gen Hosp Psychiatry** 1980 Sep; 2(3):169-76

Next steps in information and referral for the elderly. McCaslin R. **Gerontologist** 1981 Apr;21(2):184-93

Psychotherapy consultation in an inpatient setting. Bernstein SB. **Hosp Community Psychiatry** 1980 Dec;31(12):829-34

Free psychiatric consultation service shared by 25 hospitals. Martin TC. **Hospitals** 1981 May 1;55(9):62

Validation of a scale for measuring attitudes toward psychiatry in medicine. Klos DM, et al. **Int J Psychiatry Med** 1981-82;11(2):161-72

Emergency psychiatric consultation: a case report. Schneeweiss D, et al. **Int J Psychiatry Med** 1980-1981; 10(2):135-43

Identification, psychiatric diagnosis, and preconsultation management of medical and surgical patients who eventually receive a psychiatric consultation. Schubert DS, et al. **Int J Psychiatry Med** 1980-1981;10(2):173-80

Resistances encountered in the consultation-training of the community mental health worker. Manos N. **Int J Soc Psychiatry** 1981;27(1):33-6

Effect of a helping skills transfer program on dietitians' helping behavior. Laquatra I, et al. **J Am Diet Assoc** 1981 Jan;78(1):22-7

Some effects of the consultation-referral process on subsequent analytic work. Hurst DM. **J Am Psychoanal Assoc** 1980;28(3):605–21

A prospective study of 60 consecutive psychiatric consultations in a family medicine clinic. Katon W, et al. **J Fam Pract** 1981 Jul;13(1):47–56

Concurrent care--necessary vs. unnecessary. Manry WF. **J Fla Med Assoc** 1981 Jan;68(1):47–8

Group practice affiliation and interphysician consulting pattern within a community general hospital. Luke RD, et al. **J Health Soc Behav** 1980 Dec;21(4):334–44

Nursing consultation: a collaborative process. Pati B. **J Nurs Adm** 1980 Nov;10(11):33–7

The importance of dental consults to medical service: a case report. Tullman MJ, et al. **J Oral Med** 1980 Jul–Sep; 35(3):65–7, 75

Pediatric psychology: perspectives and training implications. Stabler B, et al. **J Pediatr Psychol** 1980 Sep;5(3):245–51

Symposium: Whither psychiatry in general practice? The Balint group approach. Balint E. **J R Soc Med** 1979 Jun; 72(6):469–71

Referrals [letter] Ruane TJ. **JAMA** 1981 Feb 6;245(5):465

A consultation service in geriatric medicine at a university hospital [letter] Steel K, et al. **JAMA** 1981 Apr 10; 245(14):1410–1

Peer influence as a possible referral source for substance abuse treatment. Duda FC. **Milit Med** 1980 Dec; 145(12):829–30

The medical consultation--a neglected science. Rosansky SJ. **Milit Med** 1981 Mar;146(3):181–3

The medical responsibilities of the athletic trainer. Proctor A. **NC Med J** 1980 Aug;41(8):519–20

A scientific approach to second opinions: editorial comment [editorial] Gertman PM, et al. **Obstet Gynecol** 1980 Oct; 56(4):411–2

Second consultant opinion for elective gynecologic surgery. McCarthy EG, et al. **Obstet Gynecol** 1980 Oct;56(4):403–10

Trauma. Categorization: matching needs with services. Smith JS. **Pa Med** 1980 Sep;83(9):33–4

Consultation and referral when, why, and how. Phillips S, et al. **Pediatr Ann** 1980 Jul;9(7):269–75

Communication between physician and physical and occupation therapists: a neurodevelopmentally base prescription. Levine MS, et al. **Pediatrics** 1981 Aug; 68(2):208–14

Concerns of educators when referring students for evaluations of emotional and behavioral problems. Unruh D, et al. **Percept Mot Skills** 1981 Jun;52(3):818

Community mental health consultation in police court. Moore J. **Perspect Psychiatr Care** 1980 Sep–Oct;18(5):204–9

A consultation analysis of learned helplessness at 'city hospital'. Wilson HS, et al. **Perspect Psychiatr Care** 1980 Nov–Dec;18(6):256–60

Scoliosis. To refer or not to refer. Weierman RJ, et al. **Primary Care** 1980 Jun;7(2):287–95

The role of the consultant in the case conference: some neglected aspects. Selzer MA. **Psychiatry** 1981 Feb; 44(1):60–8

Characteristics of erectile dysfunction as a function of medical care system entry point. Segraves RT, et al. **Psychosom Med** 1981 Jun;43(3):227–34

Development and function of a psychiatric liaison clinic. Kaplan KH. **Psychosomatics** 1981 Jun;22(6):502–12

The role of the nurse on a consultation-liaison team. Stickney SK, et al. **Psychosomatics** 1981 Mar;22(3):224–35

An evaluation of referrals from the child health system in Newham Health District. Krishna LM. **Public Health** 1981 Jan;95(1):43–5

Referral and decision-making process for psychiatric treatment in the Yoruba community of Nigeria. Daramola SO. **R Soc Health J** 1981 Feb;101(1):13–5

Sexual problems referred to a Scottish psychiatric service. Scott IG, et al. **Scott Med J** 1981 Jan;26(1):45–7

Two years' referrals to a regional adolescent unit: some implications for psychiatric services. Steinberg D, et al. **Soc Sci Med [E]** 1981 May;15E(2):113–22

Psychiatric disturbances seen in primary care: when to treat and when to refer. Shraberg D. **South Med J** 1981 Apr; 74(4):438–43

The role of the primary veterinarian in the management of the referral patient. Blanchard GL. **Vet Clin North Am [Small Anim Pract]** 1980 May; 10(2):249–50

[Gynecological consultation and late pregnancy toxicoses] Milchev N. **Akush Ginekol (Sofiia)** 1980;19(4):291–6 (Eng. Abstr.) **(Bul)**

[Indications and referral procedures for liver transplantation] Gips CH, et al. **Ned Tijdschr Geneeskd** 1981 May 30; 125(22):875–8 (Eng. Abstr.) **(Dut)**

[Consultation with children less than four years old in an ambulatory pediopsychiatric service] Aubert C. **Acta Paedopsychiatr (Basel)** 1980 Sep;46(1–2):31–7 (Eng. Abstr.) **(Fre)**

[The physician: the unknown of medical psychology] Schneider PB. **Rev Med Suisse Romande** 1980 Jun; 100(6):545–56 **(Fre)**

[Medicine and pedagogy. Concepts, basics and consequences. Part 4. Communication in consultation in the physician's practice] **MMW** 1981 Jan 23;123(4):54–5 **(Ger)**

[The patient-oriented discussion The application of medical psychologic knowledge to consultations (author's transl)] Speierer GW. **MMW** 1981 Mar 6;123(10):389–94 (Eng. Abstr.) **(Ger)**

[Quality control. Aspects of consultation and the register in pathology] Mohr HJ. **Pathologe** 1980 May;1(3):121–4 **(Ger)**

[Otorhinolaryngologic consiliary activity] Werner U, et al. **Z Aerztl Fortbild (Jena)** 1980 Sep 1;74(17):803–6 **(Ger)**

[Respecting the opinion and approach of the other physician] Goldschmidt D. **Orv Hetil** 1980 May 18;121(20):1226–7 **(Hun)**

[Organization of the surgical treatment of chronic destructive forms of pulmonary tuberculosis] Brikmanis EP. **Probl Tuberk** 1980 Dec;(12):10–2 (Eng. Abstr.) **(Rus)**

[Improvement in the information on a provincial hospital's consultative polyclinic] Karpov PF, et al. **Sov Zdravookhr** 1980;(8):37–40 (Eng. Abstr.) **(Rus)**

[Frequency of nontuberculous, nontumorous diseases of the respiratory organs based on data on consultations for medical care in districts of Leningrad and Pragu[e] Tyshetskii VI, et al. **Sov Zdravookhr** 1981;(4):35–8 (Eng. Abstr.) **(Rus)**

[Role of the neurologist-consultant in other areas of medicine] Soskin LS. **Zh Nevropatol Psikhiatr** 1981; 81(2):134–5 **(Rus)**

[Consultation psychiatry - multifaceted and developing] **Lakartidningen** 1980 Sep 3;77(36):2985–3003 **(Swe)**

ECONOMICS

Generating referrals to newly established programs: a cost effective comparison of two procedures. Szykula SA, et al. **Community Ment Health J** 1980 Fall;16(3):201–4

A liaison fellowship on a hemodialysis unit. A self-funded position. Strain JJ, et al. **Gen Hosp Psychiatry** 1981 Mar; 3(1):10–5

Second opinions on elective surgery. The Cornell/New York Hospital study. McCarthy EG, et al. **Lancet** 1981 Jun 20; 1(8234):1352–4

Medicaid second-opinion program in Massachusetts [letter] McCarthy EG, et al. **N Engl J Med** 1980 Oct 9;303(15):889

Medicaid second-opinion program in Massachusetts [letter] Moran RD. **N Engl J Med** 1980 Oct 9;303(15):888–9

LEGISLATION & JURISPRUDENCE

Liability of the pharmacist as a therapeutic consultant. Fink JL 3d. **Am J Hosp Pharm** 1981 Feb;38(2):218–22

Implications of mandatory referral [editorial] Eger MJ. **J Am Optom Assoc** 1980 Oct;51(10):907–8

[Award of damages in insufficient information in an ear operation. Is the consulting physician who had not participated also responsible?] Becker W, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Jan;60(1):42–5 **(Ger)**

[Informing the patient before referral by the general practitioner] Otto F. **Med Welt** 1981 May 8;32(19):757 **(Ger)**

TRENDS

[Development of the psychiatric consultation at the general hospital] Charbonnier JF, et al. **Ann Med Psychol (Paris)** 1980 Jun;138(6):657–62 **(Fre)**

[Transfers in ambulatory medicine--results from a survey of ambulatory medical care in Switzerland (author's transl)] Abelin T, et al. **Praxis** 1981 Jun 16;70(25):1153–9 **(Ger)**

UTILIZATION

Impact of a regional infant dispatch center on neonatal mortality. Vogt JF, et al. **Am J Public Health** 1981 Jun; 71(6):577–82

Evaluation of an EMS regional referral system using a tracer methodology. Egges J, et al. **Ann Emerg Med** 1980 Oct; 9(10):518–23

Psychiatric referral and medical history of outpatients in a general hospital. Zitman FG, et al. **Int J Psychiatry Med** 1980–81;10(4):347–54

Utility of psychiatric unit in a teaching general hospital a study of in-patient psychiatric referrals. Shukla GD, et al. **J Assoc Physicians India** 1980 Oct;28(10):337–41

Patient mobility and consulting behavior: a comparative study between the United Kingdom and the United States. Bain DJ. **J Fam Pract** 1981 May;12(5):891–5

School nursing & dental referrals. Oda DS, et al. **J Sch Health** 1980 Sep;50(7):393–6

Influence of client/colleague dependence on physician performance in patient care. Rhee SO, et al. **Med Care** 1980 Aug;18(8):829–41

The Nottingham Health Profile: subjective health status and medical consultations. Hunt SM, et al. **Soc Sci Med [a]** 1981 May;15A(3):221–9

A comparative study of referrals to a local authority intake team with a general practice attachment scheme and the resulting social workers' interventions. Corney RH. **Soc Sci Med [Med Psychol Med Sociol]** 1980 Dec; 14A(6):675–82

Factors associated with formal symptom referral. Hannay DR. **Soc Sci Med [Med Psychol Med Sociol]** 1979 Jan; 13(1):101–4

[Telephone consultations as an alternative to home visits in acute disease. A trial at the Oslo municipal emergency ward] Borchgrevink CF, et al. **Tidsskr Nor Laegeforen** 1981 Feb;101(6):398–401 (Eng. Abstr.) **(Nor)**

[Rate of requests for examination by a consultant] Snopko K. **Cesk Zdrav** 1980 Sep;28(8–9):337–40 (Eng. Abstr.) **(Slo)**

REFLEX

Interictal peculiarities of negative learning in cats with chronic experimental temporal lobe epilepsy. Rogozea R, et al. **Act Nerv Super (Praha)** 1979 Jul;Suppl 2:361–2

Monoaminergic afferent neurons in the peripheral visceral reflex arcs. Ungváry G, et al. **Acta Biol Acad Sci Hung** 1980;31(1–3):367–71

Effect of carotid endarterectomy on the antihypertensive properties of the carotid sinus reflex. Tydén G, et al. **Acta Chir Scand** 1981;147(1):15–7

Facial reflex examination. A clinical and neurophysiological study on acoustic tumours and brain displacement at the tentorial notch. Bynke O. **Acta Neurol Scand [Suppl]** 1980; 62(76):1–127

Tranquilizer effect of exercise. Acute effects of moderate aerobic exercise on spinal reflex activation level. deVries HA, et al. **Am J Phys Med** 1981 Apr;60(2):57–66

Facilitation of the tonic vibration reflex (TVR) by cutaneous stimulation. Spicer SD, et al. **Am J Phys Med** 1980 Oct; 59(5):223–31

Carotid sinus reflex vasoconstriction in right coronary circulation of dog and pig. Ely SW, et al. **Am J Physiol** 1981 Aug;241(2):H149–54

Circulatory response in Aschner and Czermak-Hering tests, with special reference to cerebral circulation. Miyazaki M. **Angiology** 1981 Feb;32(2):106–12

Glottic closure reflex: control mechanisms. Ikari T, et al. **Ann Otol Rhinol Laryngol** 1980 May–Jun;89(3 Pt 1):220–4

Laryngeal regulation of airway resistance. I. Chemoreceptor reflexes. McCaffrey TV, et al. **Ann Otol Rhinol Laryngol** 1980 May–Jun;89(3 Pt 1):209–14

Plasticity in the vestibulo-ocular reflex: a new hypothesis. Miles FA, et al. **Annu Rev Neurosci** 1981;4:273–99 (60 ref.)

Diving reflex. Another method of treating paroxysmal supraventricular tachycardia. Mathew PK. **Arch Intern Med** 1981 Jan;141(1):22–3

Detrusor reflex contraction inhibited by anal stretch. O'Shaughnessy EJ, et al. **Arch Phys Med Rehabil** 1981 Mar; 62(3):128–30

Variations in gravitoinertial force level affect the gain of the vestibulo-ocular reflex: implications for the etiology of space motion sickness. Lackner JR, et al. **Aviat Space Environ Med** 1981 Mar;52(3):154–8

Penile reflexes in rats after different numbers of ejaculations. O'Hanlon JK, et al. **Behav Neural Biol** 1980 Jul; 29(3):338–48

Iris pigmentation and fractionated reaction and reflex time. Hale BD, et al. **Biol Psychol** 1980 Feb;10(1):57–67

Coronary circulation after suppression of baroreceptor reflexes (preliminary observations). Dalla Valle R, et al. **Boll Soc Ital Biol Sper** 1981 Feb 15;57(3):253–8

The oculocardiac reflex as a surgical aid in identifying a slipped or 'lost' extraocular muscle. Apt L, et al. **Br J Ophthalmol** 1980 May;64(5):362–5

Activity of neurons of cerebellar nuclei during fictitious scratch reflex in cat. I. Fastigial nucleus. Antziferova LI, et al. **Brain Res** 1980 Nov 3;200(2):239–48

Activity of neurons of cerebellar nuclei during fictitious scratch reflex in the cat. II. Interpositus and lateral nuclei. Arshavsky YI, et al. **Brain Res** 1980 Nov 3;200(2):249–58

Contribution of joint and cutaneous afferents to longer-latency reflexes in man. Bawa P, et al. **Brain Res** 1981 Apr 27;211(1):185–9

Modulation of the somatic reflex by carotid baroreceptors and by cardiopulmonary afferents in animals and in humans. Abboud FM, et al. **Circ Res** 1981 Jun;48(6 Pt 2):I131–7

The cardiocardiac sympathetic reflex during coronary occlusion in anesthetized dogs. Felder RB, et al. **Circ Res** 1981 May;48(5):685–92

The Bezold-Jarisch reflex: possible role in limiting myocardial ischemia. Robertson RM, et al. **Clin Cardiol** 1981 Mar;4(2):75–9

The baroreceptor reflexes in experimental hypertension. Liard JF. **Clin Exp Hypertens** 1980;2(3–4):479–98 (50 ref.)

Does the baroreceptor-heart rate reflex indicate the capacity of the arterial baroreceptors to control blood pressure? Ludbrook J, et al. **Clin Exp Pharmacol Physiol** 1980 Sep–Oct;7(5):499–503

Peripheral reinnervation patterns and dorsal root ganglion topography in skin-grafted frogs: a behavioral and histological examination. Baker RE, et al. **Dev Neurosci** 1981;4(2):134–41

Reflex effects of muscle afferents on antagonist studied on single firing motor units in man. Kudina LP. **Electroencephalogr Clin Neurophysiol** 1980 Nov; 50(3–4):214–21

Dependence of latency upon acoustic stimuli in the audiomotor reflex (AMR). Ljubin C, et al. **Electromyogr Clin Neurophysiol** 1981 Feb–Mar; 21(2–3):267–78

Activating effect of nasal and oral hyperventilation on epileptic electrographic phenomena: reflex mechanisms of nasal origin. Servit Z, et al. **Epilepsia** 1981 Jun;22(3):321–9

Effects of genetic and nutritional factors on post-natal reflex and behavioral development in the mouse. Oliverio A, et al. **Exp Aging Res** 1975 Sep;1(1):41–56

The dynamic neck-eye reflex in mammals. Fuller JH. **Exp Brain Res** 1980;41(1):29–35

Habituation of the vestibulo-ocular reflex (VOR) in the monkey during sinusoidal rotation in the dark. Jäger J, et al. **Exp Brain Res** 1981;41(2):108–14

Late muscular responses to arm perturbations persist during supraspinal dysfunctions in monkeys. Miller AD, et al. **Exp Brain Res** 1981;41(2):146–58

Cutaneous depression of Ib reflex pathways to motoneurones in man. Pierrot-Deseilligny E, et al. **Exp Brain Res** 1981; 42(3–4):351–61

Pattern of group I fibre projections from ankle flexor and extensor muscles in man. Pierrot-Deseilligny E, et al. **Exp Brain Res** 1981;42(3–4):337–50

Effects of sensory inputs on the excitability of the crossed extension reflex. McMillan JA, et al. **Exp Neurol** 1981 Jul; 73(1):233–42

Altered cardiovascular reflex responses during positive pressure breathing. Stinnett HO. **Fed Proc** 1981 Jun; 40(8):2182–7

Abnormal baroreflex control of heart rate in prehypertensive and hypertensive Dahl genetically salt-sensitive rats. Gordon FJ, et al. **Hypertension** 1981 May–Jun;3(3 Pt 2):I135–41

Experimental elicitation of jaw closure reflex & lock-jaw in cats. Jaju BP, et al. **Indian J Exp Biol** 1980 Sep; 18(9):1047–9

Reflex control and modulation of ACTH and corticosteroids. Gann DS, et al. **Int Rev Physiol** 1981;24:157–99 (243 ref.)

Prolonged central respiratory inhibition following reflex-induced apnea. Lawson EE. **J Appl Physiol** 1981 Apr;50(4):874–9

Reflex tracheal contraction induced by stimulation of bronchial C-fibers in dogs. Roberts AM, et al. **J Appl Physiol** 1981 Aug;51(2):485–93

Cardiovascular and respiratory reflexes from muscles during dynamic and static exercise. Tallarida G, et al. **J Appl Physiol** 1981 Apr;50(4):784–91

Somatic reflex development in infant macaques. Taylor EM, et al. **J Med Primatol** 1980;9(3):205–10

The effect of stimulus strength on the jaw–jerk response in man. Lewis GR, et al. **J Neurol Neurosurg Psychiatry** 1980 Aug;43(8):699–704

Counterpressure in torticollis. Stejskal L. **J Neurol Sci** 1980 OCT;48(1):9–19

Efferent activity during fictitious scratch reflex in the cat. Deliagina TG, et al. **J Neurophysiol** 1981 Apr;45(4):595–604

The effect of habituating vestibular and optokinetic nystagmus on each other. Skavenski AA, et al. **J Neurosci** 1981 Apr;1(4):351–7

Modulatory effect of brain acetylcholine on reflex-induced bradycardia and tachycardia in conscious rats. Caputi AP, et al. **J Pharmacol Exp Ther** 1980 Nov;215(2):309–16

The radiologic anatomy of patients who gag with dentures. Wright SM. **J Prosthet Dent** 1981 Feb;45(2):127–33

Medical history, social habits, and individual experiences of patients who gag with dentures. Wright SM. **J Prosthet Dent** 1981 May;45(5):474–8

The bulbocavernosus reflex in urology: a prospective study of 299 patients. Blaivas JG, et al. **J Urol** 1981 Aug; 126(2):197–9

Studies on sacral-evoked potentials. Krane RJ, et al. **J Urol** 1980 Dec;124(6):872–6

Reflex cardiovascular responses to cold exposure of the face or foot. Frey MA, et al. **Jpn Heart J** 1980 Sep;21(5):665–79

Posterior packs and the nasopulmonary reflex. Jacobs JR, et al. **Laryngoscope** 1981 Feb;91(2):279–84

Systemic arterial hypertension in rats exposed to short-term isolation; intra-arterial systolic and diastolic blood pressure and baroreflex sensitivity. Gardiner SM, et al. **Med Biol** 1980 Aug;58(4):232–9

Three primitive reflexes in normal adults [letter] Franceschi M. **Neurology (NY)** 1981 Feb;31(2):225

Developmental reflexes and cognitive dysfunction [letter] Jenkyn LR, et al. **Neurology (NY)** 1981 Jan;31(1):114–5

Visual-vestibular interaction in multiple sclerosis. Sharpe JA, et al. **Neurology (NY)** 1981 Apr;31(4):427–33

Intramuscular localization of monosynaptic Ia reflex effects in the cat biceps femoris muscle. Botterman BR, et al. **Neurosci Lett** 1981 Jun 12;24(1):35–41

Reflex and locomotor changes following unilateral deafferentation of rat hind limb assessed by chronic electromyography. Hnik P, et al. **Neuroscience** 1981; 6(2):195–203

The clinical value of the palmomental reflex. Marx P, et al. **Neurosurg Rev** 1980;3(3):173–7

Reflex effects on human breathing of breath-by-breath changes of the time profile of alveolar PCO2 during steady hypoxia. Metias EF, et al. **Pfluegers Arch** 1981 Mar; 389(3):243–50

The interaction between reflex apnoea and bradycardia produced by injecting 5-HT into the nodose ganglion of the cat. Sutton PM. **Pfluegers Arch** 1981 Mar;389(3):181–7

Sympathetic activity in the recto-rectal reflex of the guinea pig. Takaki M, et al. **Pfluegers Arch** 1980 Oct;388(1):45–52

Elicitation of ejaculation and penile reflexes in spinal male rats by peripheral electric shock. Hart BL, et al. **Physiol Behav** 1981 Apr;26(4):623–6

Reflex control of posture and movement. Proceedings of an IBRO Symposium held in Pisa, Italy, on September 11–14, 1978. **Prog Brain Res** 1979;50:1–812

Neural organisation and control of the baroreceptor reflex. Spyer KM. **Rev Physiol Biochem Pharmacol** 1981;88:24–124 (452 ref.)

Reflex adrenergic inhibition of gastric motility by nociceptive intestinal stimulation and peritoneal irritation in the cat. Glise H, et al. **Scand J Gastroenterol** 1980;15(6):673–81

Spino-vagal nonadrenergic inhibition of gastric motility elicited by abdominal nociceptive stimulation in the cat. Glise H, et al. **Scand J Gastroenterol** 1980;15(6):665–72

[Oculocardiac reflex during ocular muscle operation under acupuncture anesthesia: A comparison between electrocardiograms of two groups of 30 cases each with local and acupuncture anesthesia (author's transl)] Lu NH. **Chung Hua Yen Ko Tsa Chih** 1980;16(1):35–9 **(Chi)**

[Blink reflex and jaw reflex in neurinoma of the acoustic and trigeminal nerves (author's transl)] Gil R, et al. **Acta Neurol Belg** 1980 Jul–Aug;80(4):201–16 (Eng. Abstr.) **(Fre)**

[Role of ocular muscle proprioception in the maintenance of body equilibrium with particular reference to the cervical reflex] Ushio N, et al. **Agressologie** 1980; 21(E):143–52 (Eng. Abstr.) **(Fre)**

[Heart cycle related sensitivity of the pressor receptor reflex before and after dissection of the carotid sinus nerves] Warzel H, et al. **Acta Biol Med Ger** 1980;39(11–12):1189–95 (Eng. Abstr.) **(Ger)**

[Hand-stretching reflex in children of different age and sex indicative for left- or right-handedness (author's transl)] Ries H. **Monatsschr Kinderheilkd** 1981 Mar;129(3):160–3 (Eng. Abstr.) **(Ger)**

[Experimental study of the different actions of right and left neurovegetative hemisections on the cardiovascular system. Demonstration of 2 types of reflexes, common and specialized. Stimulation of the right and left pericarotid plexus in subjects with atrioventricular block of grade II, type II] Marigliano V, et al. **Boll Soc Ital Cardiol** 1978; 23(11):1911–4 (Eng. Abstr.) **(Ita)**

[Experimental studies on the different action of right and left neurovegetative hemisections on the cardiovascular system. Demonstration of 2 types of reflexes, common and specialized. Stimulation of the right and left pericarotid plexus in normal young subjects] Marigliano V, et al. **Boll Soc Ital Cardiol** 1978;23(5):877–80 (Eng. Abstr.) **(Ita)**

[Cardiovascular reflexes in arterial hypertension] Lombardo M, et al. **G Ital Cardiol** 1980;10(7):902–6 (33 ref.) **(Ita)**

[Cardiocirculatory reflexes caused by chemosensitive receptors of the musculo-skeletal region] Tallarida G, et al. **G Ital Cardiol** 1980;10(1):84–94 (64 ref.) **(Ita)**

[The oculocardiac reflex in strabismus surgery] Bosoni P, et al. **Minerva Anestesiol** 1981 Mar;47(3):95–102 **(Ita)**

[Current trends in peripheral reflex regulation of cardiocirculatory function during muscular exercise] Peruzzi G, et al. **Recenti Prog Med** 1980 Sep;69(3):278–90 (63 ref.) (Eng. Abstr.) **(Ita)**

[Reflex epilepsy evoked by decision making: report of a case (author's transl)] Mutani R, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1980;127(1):61–7 (Eng. Abstr.) **(Ita)**

[Clinical application of adaptive changes in the vestibuloocular reflex by prism-reversal of vision (author's transl)] Shimizu M. **Nippon Jibiinkoka Gakkai Kaiho** 1980 Jul;83(7):775–86 (Eng. Abstr.) **(Jpn)**

[Baroreceptor reflex in essential hypertension] Ozawa T. **Nippon Rinsho** 1980 Sep;38(9):3169–75 **(Jpn)**

[Effect of motor cortex stimulation on recruitment pattern during reflex activity of fast and slow motor units in the cat (author's transl)] Minagawa T. **Nippon Seirigaku Zasshi** 1980;42(4):73–83 (Eng. Abstr.) **(Jpn)**

[Plantar-arm reflex in children and an analysis of its evolutionary aspects] Babkin PS, et al. **Zh Evol Biokhim Fiziol** 1981 Jan–Feb;17(1):96–7 **(Rus)**

DRUG EFFECTS

Effect of diazepam and desmethyldiazepam in spasticity and rigidity. A quantitative study of reflexes and plasma concentrations. Lossius R, et al. **Acta Neurol Scand** 1980 Jun;61(6):378–83

Effects of halothane on the vestibulo-ocular reflex. Birns JW, et al. **Am J Otolaryngol** 1980 Nov;1(5):418–25

Reflex responses to sodium nitroprusside and their control by cryptenamine. Flacke JW, et al. **Anesth Analg (Cleve)** 1980 Dec;59(12):909–16

Effects of haloperidol on chemoreceptor reflex ventilatory response in the rabbit. Matsumoto S, et al. **Arch Int Pharmacodyn Ther** 1980 Oct;247(2):234–42

Vestibulo-ocular reflexes in rabbits: reduction by intravenous injection of diazepam. Barmack NH, et al. **Arch Neurol** 1980 Nov;37(11):718–22

Evidence for conditioned tolerance of the tail flick reflex. Advokat C. **Behav Neural Biol** 1980 Jul;29(3):385–9

Sympathetic reflex responses during treatment of essential hypertension with hydrallazine and oxprenolol. Davies IB, et al. **Br J Clin Pharmacol** 1979 Jul;8(1):49–51

A model of reflex tracheal constriction in the dog. Allott CP, et al. **Br J Pharmacol** 1980 Nov;70(3):419–23

The effects of atenolol on spontaneous and reflex activity of the sympathetic nerves in the anaesthetized cat. Scott EM. **Br J Pharmacol** 1981 Jul;73(3):609–16

A study of the quantal (all-or-none) change in reflex latency produced by opiate analgesics. Levine JD, et al. **Brain Res** 1980 Nov 10;201(1):129–41

Antagonism of the baroreceptor reflex by glutamate diethyl ester, an antagonist to L-glutamate. Talman WT, et al. **Brain Res** 1981 Jul 27;217(1):186–91

Activation and lateralization of sensorimotor field for perioral biting reflex by intranigral GABA agonist and by systemic apomorphine in the rat. Huston JP, et al. **Brain Res Bull** 1980 Nov-Dec;5(6):745–9

The effect of halothane with nitrous oxide on baroreflex control of heart rate in man. Duke PC, et al. **Can Anaesth Soc J** 1980 Nov;27(6):531–4

Reflex cardiovascular and respiratory effects of serotonin in conscious and anesthetized dogs. Zucker IH, et al. **Circ Res** 1980 Oct;47(4):509–15

Digitalis and baroreceptor reflexes in man. Ferrari A, et al. **Circulation** 1981 Feb;63(2):279–85

Baroreceptor reflex in the rat after converting enzyme inhibition or angiotensin receptor blockade. Coleman TG, et al. **Clin Exp Pharmacol Physiol** 1981 Jan;8(1):79–82

Angiotensin and the cardiac baroreflex response to phenylephrine. Lee WB, et al. **Clin Exp Pharmacol Physiol** 1981 Mar–Apr;8(2):109–17

Aminophylline differentiates between the depressant effects of morphine on the spinal nociceptive reflex and on the spinal ascending activity evoked from afferent C fibres. Jurna I. **Eur J Pharmacol** 1981 May 22;71(4):393–400

Clonidine attenuation of a cardiogenic hypertensive chemoreflex. Hageman GR, et al. **Hypertension** 1981 Mar–Apr;3(2):240–4

Opiate analogs, substance P, and baroreceptor reflexes in the rabbit. Petty MA, et al. **Hypertension** 1981 May–Jun;3(3 Pt 2):I142–7

Recovery and enhancement of reflex reaction time after nitrous oxide analgesia. McKercher TC, et al. **J Am Dent Assoc** 1980 Nov;101(5):785–8

Effects of dopamine on chemoreflexes in breathing. Nishino T, et al. **J Appl Physiol** 1981 Apr;50(4):892–7

Direct and reflex bronchoconstriction induced by histamine aerosol inhalation in dogs. Yanta MA, et al. **J Appl Physiol** 1981 Apr;50(4):869–73

Role of baroreceptor reflexes in the hemodynamic and heart rate responses to althesin, ketamine and thiopentone anesthesia. Blake DW, et al. **J Auton Nerv Syst** 1981 Feb; 3(1):55–70

Effects of anaesthetics on reflexes elicited in the sudomotor system by stimulation of Pacinian corpuscles and of cutaneous nociceptors. Jänig W, et al. **J Auton Nerv Syst** 1980 May;2(1):1–14

Effects on the pinna reflux of drugs acting at alpha-adrenoceptors. Brown J, et al. **J Pharm Pharmacol** 1980 Jun;32(6):436–7

Inhibition of depressor cardiovascular reflexes by a derivative of gamma-aminobutyric acid (GABA) and by general anesthetics with suspected GABA-mimetic effects. Lalley PM. **J Pharmacol Exp Ther** 1980 Nov;215(2):418–25

Alteration of the baroreceptor reflex by an effect of propranolol on the isolated carotid sinus. Schultz HD, et al. **J Pharmacol Exp Ther** 1981 Jan;216(1):111–7

Catecholamine modulation of spinal sympathetic reflexes. Undesser EK, et al. **J Pharmacol Exp Ther** 1981 Apr; 217(1):170–6

Effects of analgesics and CNS-acting drugs on struggling following repetitive stimulation of the tail, and flexor reflex to a single stimulation of the sciatic nerve in rats. Kamata K, et al. **Jpn J Pharmacol** 1980 Jun;30(3):357–66

Sensitive depressant effect of benzodiazepines on the crossed extensor reflex in chloralose-anesthetized rats. Kawasaki K, et al. **Life Sci** 1981 Mar 23;28(12):1391–8

Excitatory effects of intraventricular injections of oxytocin on the milk ejection reflex in the rat. Freund-Mercier MJ, et al. **Neurosci Lett** 1981 May 6;23(2):193–8

The effect of thyroliberin and some of its analogues on the hind limb flexor reflex in the spinal rat. Pawłowski L, et al. **Pol J Pharmacol Pharm** 1980 Jul–Aug;32(4):539–50

Importance of the Locus coeruleus and involvement of alpha-adrenergic receptors in the post-decapitation reflex in the rat. Pappas BA, et al. **Psychopharmacology (Berlin)** 1980;69(2):163–71

[Comparison of the effects of acute respiratory acidosis and acute metabolic acidosis on the jaw-opening reflex in the anesthetized dog] Dauthier C, et al. **Can Anaesth Soc J** 1981 May;28(3):248–52 (Eng. Abstr.) **(Fre)**

[The obturatorius reflex and its elimination by nerve block (letter)] Salehi E. **Anaesthesist** 1981 May;30(5):36–7 **(Ger)**

[Intrathecal application of morphine. III. Effects on the evoked electromyogram, electrospinogram, and the orbicularis oculi reflex (author's transl)] Yagishita Y, et al. **Masui** 1980 Jul;29(7):690–6 (Eng. Abstr.) **(Jpn)**

[Studies on voiding mechanism. 2. The effects of urethral distension on the vesical contraction reflex: neuropharmacological and neurophysiological aspects (author's transl)] Bekku T. **Nippon Hinyokika Gakkai Zasshi** 1980 Dec;71(12):1456–71 (Eng. Abstr.) **(Jpn)**

[Effect of enkephalins on central processes regulating hemodynamics] Medvedev OS, et al. **Biull Eksp Biol Med** 1981 May;91(5):574–6 (Eng. Abstr.) **(Rus)**

[Effect of nonachlazine on the cardiac component of baroreceptor reflexes in unanesthetized cats] Medvedev OS, et al. **Biull Eksp Biol Med** 1980 Sep;90(9):309–11 (Eng. Abstr.) **(Rus)**

[Effect of diazepam and fenazepam on neural regulation of cerebral circulation] Mirzoian RS, et al. **Biull Eksp Biol Med** 1980 Sep;90(9):305–8 (Eng. Abstr.) **(Rus)**

[Effects of dipidolor, seduxen, pipolfen and their

combinations on the vasomotor reflex and respiration] Grishin BS. **Farmakol Toksikol** 1980 Nov–Dec;43(6):661–4 (Eng. Abstr.) **(Rus)**

[Effect of bicuculline application to the superior cervicla segments of the spinal cord and the scratch reflex] Baev KV, et al. **Fiziol Zh** 1981 Mar–Apr;27(2):147–54 (Eng. Abstr.) **(Rus)**

[Reflex reactions of children undergoing pharmacotherapuetic preparation] Smoliar NI, et al. **Stomatologiia (Mosk)** 1980 Sep–Oct;59(5):58–60 (Eng. Abstr.) **(Rus)**

[Mechanism of Sechenov inhibition] Tonkikh AV. **Zh Vyssh Nerv Deiat** 1980 Sep–Oct;30(5):1037–43 **(Rus)**

[Effect of SO2 inhalation on the cough reflex in rabbits] Hanáček J, et al. **Cesk Fysiol** 1981 May;30(3):243–5 **(Slo)**

PHYSIOLOGY

Electromyographic assessment of spinal reflexes in experimentally depressed dogs treated with antidepressants. Fonberg E, et al. **Acta Neurobiol Exp (Warsz)** 1980; 40(3):651–63

Effects of motor denervation of the external ear muscles on the audio–visual targeting reflex in cats. Siegmund H, et al. **Acta Neurobiol Exp (Warsz)** 1981;41(1):1–13

Carotid baroreceptor reflex in man, its modulation over the respiratory cycle. Trzebski A, et al. **Acta Neurobiol Exp (Warsz)** 1980;40(5):807–20

The pretrigeminal cat as an instrument for investigation of the ocular fixation reflex. Zernicki B. **Acta Neurobiol Exp (Warsz)** 1980;40(1):381–5

Cervico–ocular reflex in the normal adult. Barlow D, et al. **Acta Otolaryngol (Stockh)** 1980 May–Jun;89(5–6):487–96

Analysis of human vestibulo–ocular reflex during active head movements. Tomlinson RD, et al. **Acta Otolaryngol (Stockh)** 1980 Sep–Oct;90(3–4):184–90

Spatial interactions of opposite vasomotor reflexes. Such G, et al. **Acta Physiol Acad Sci Hung** 1980;56(2):173–8

Role of the adrenergic receptors in the central mechanism of the cardiovagal component of the arterial baroreceptor reflex. Izdebska E, et al. **Acta Physiol Pol** 1980;31(5):475–83

Reflex inhibition of sympathetic activity during volume load in awake normotensive and spontaneously hypertensive rats. Ricksten SE, et al. **Acta Physiol Scand** 1980 Sep; 110(1):77–82

Relationship between development of the body–righting reaction and manual midline crossing behavior in the learning disabled. Stilwell JM. **Am J Occup Ther** 1981 Jun; 35(6):391–8

Afterimage versus photographic ocular torsionometry. Clack TD, et al. **Am J Otolaryngol** 1981 May;2(2):133–7

Identification of the location of vestibular lesions on the basis of vestibulo–ocular reflex measurements. Honrubia V, et al. **Am J Otolaryngol** 1980 Aug;1(4):291–301

Carotid baroreflex regulation of plasma renin levels. Ammons WS, et al. **Am J Physiol** 1980 Sep;239(3):H342–8

Lung inflation: effects on heart rate, respiration, and vagal afferent activity in seals. Angell–James JE, et al. **Am J Physiol** 1981 Feb;240(2):H190–8

Role of sinoaortic reflexes in hemodynamic patterns of natural defense behaviors in the cat. Baccelli G, et al. **Am J Physiol** 1981 Mar;240(3):H421–9

Functional evidence for renorenal reflexes in the rat. Colindres RE, et al. **Am J Physiol** 1980 Sep;239(3):F265–70

Arterial baroreceptor reflexes in young and old racing greyhounds. Cox RH, et al. **Am J Physiol** 1981 Mar; 240(3):H383–90

Renal function during reflexly activated catecholamine flow through an adrenorenal rete. Katholi RE, et al. **Am J Physiol** 1981 Jan;240(1):F30–7

Cardiovascular reflexes elicited by passive gastric distension in anesthetized cats. Longhurst JC, et al. **Am J Physiol** 1981 Apr;240(4):H539–45

A vasoconstrictor cardiogenic chemoreflex induced by prostaglandin F2 alpha. Parker RE, et al. **Am J Physiol** 1981 Apr;240(4):H528–32

Contrasting reflexes evoked by chemical activation of cardiac afferent nerves. Reimann KA, et al. **Am J Physiol** 1980 Sep;239(3):H316–25

Spinal sympathetic reflex and random activity in the isolated amphibian spinal cord. Undesser EK, et al. **Am J Physiol** 1981 May;240(5):R295–300

Inhibition of carotid pressor response by left aortic depressor nerve in dogs. Walgenbach SC, et al. **Am J Physiol** 1981 Apr;240(4):H555–60

Contrasting reflex influences of cardiac afferent nerves during coronary occlusion. Weaver LC, et al. **Am J Physiol** 1981 Apr;240(4):H620–9

Optokinetic and vestibular interaction in normal man. Estañol B, et al. **Arch Invest Med (Mex)** 1981;12(2):233–40 **(Eng, Spa)**

Impulse decoding process in extensor motoneurons of different size during the vibration reflex. Wand P, et al. **Arch Ital Biol** 1980 Jul;118(3):205–42

The relative sensitivity of different size motoneurons to group Ia volleys caused by static stretch and vibration of extensor muscles. Wand P, et al. **Arch Ital Biol** 1980 Jul; 118(3):243–69

Extent of reaction capacity of the vestibulo–ocular reflex. Reker U. **Arch Otorhinolaryngol** 1980;228(1):35–42

From reflex to skill: the training of coordination. Kottke FJ. **Arch Phys Med Rehabil** 1980 Dec;61(12):551–61

Vestibulo–ocular reflex (VOR), cervico–ocular reflex (COR) and its interaction in active head movements. Doerr M, et al. **Arch Psychiatr Nervenkr** 1981;230(2):117–27

The gastroauricular phenomenon and related vagus reflexes. Engel D. **Arch Psychiatr Nervenkr** 1979;227(3):271–7

Interaction of upper airway reflexes on protective laryngeal closure. Yamagiwa M. **Auris Nasus Larynx** 1980;7(2):51–9

Frequency response of the vestibulo–ocular reflex (VOR) in the monkey. Buettner UW, et al. **Aviat Space Environ Med** 1981 Feb;52(2):73–7

Effects of whole–body vibration on spinal reflexes in man. Roll JP, et al. **Aviat Space Environ Med** 1980 Nov; 51(11):1227–33

Vagal and sympathetic reflexes of left ventricular origin on the efferent activity of cardiac and renal nerves on anaesthetized cats. Vogt A, et al. **Basic Res Cardiol** 1980 Sep–Oct;75(5):635–45

Effects of intermittent electric shock on penile reflexes of male rats. Hart BL, et al. **Behav Neural Biol** 1980 Jul; 29(3):394–8

The role of gamma–motoneurons in mammalian reflex systems. Stein RB, et al. **Biol Cybern** 1981;39(3):171–9

The 'grasping reflex' in rats with altered thyroid activity. Fundarò A, et al. **Boll Soc Ital Biol Sper** 1979 Apr 30; 55(8):804–8

Cardiovascular reflexes in patients after myocardial infarction. Effect of long–term treatment with beta–adrenoceptor antagonists. Bennett T, et al. **Br Heart J** 1980 Sep;44(3):265–70

The anal reflex in idiopathic faecal incontinence: an electrophysiological study. Henry MM, et al. **Br J Surg** 1980 Nov;67(11):781–3

A grab reflex in the human hand. Traub MM, et al. **Brain** 1980 Dec;103(4):869–84

Modulation of transmission in flexion reflex pathways by knee joint afferent discharge in the decerebrate cat. Baxendale RH, et al. **Brain Res** 1980 Dec 8;202(2):497–500

Crossed flexor reflex responses and their reversal in freely walking cats. Duysens J, et al. **Brain Res** 1980 Sep 22; 197(2):538–42

The effect of acute abolition of knee joint afferent discharge on postural reflexes in the conscious cat. Ferrell WR, et al. **Brain Res** 1980 Dec 8;202(2):493–6

Changes in the horizontal vestibulo–ocular reflex of the rhesus monkey with behavioral and pharmacological alerting. Furman JM, et al. **Brain Res** 1981 Feb 16; 206(2):490–4

Contralateral hindlimb responses to cutaneous stimulation during locomotion in high decerebrate cats. Gauthier L, et al. **Brain Res** 1981 Mar 2;207(2):303–20

Behavior of the long–latency stretch reflex prior to voluntary movement. Hallett M, et al. **Brain Res** 1981 Aug 24; 219(1):178–85

Reflex response of the hypoglossal nerve induced by gustatory stimulation of the frog tongue. Kumai T. **Brain Res** 1981 Mar 16;208(2):432–5

A possible participation of endogenous opiates in respiratory reflexes induced by thin–fiber muscular afferents. Kumazawa T, et al. **Brain Res** 1980 Oct 13;199(1):244–8

Adaptability of the vestibulo–ocular reflex to vision reversal in strobe reared cats. Mandl G, et al. **Brain Res** 1981 Mar 23;209(1):35–45

Surgical determination of the site of crossing of jaw–opening reflex evoked by tooth pulp stimulation in the cat. Saag MS, et al. **Brain Res** 1981 May 11;212(1):140–4

Suppressive influences from periaqueductal gray and nucleus raphe magnus on respiration and related reflex activities and on solitary tract neurons, and effect of naloxone. Sessle BJ, et al. **Brain Res** 1981 Jul 6;216(1):145–61

Electroacupuncture suppression of the rat jaw opening response after stimulating the caudal spinal trigeminal nucleus. Iriki A, et al. **Brain Res Bull** 1980 Nov–Dec; 5(6):751–4

Regional vasomotor responses to the somatopressor reflex from muscle. Nutter DO, et al. **Circ Res** 1981 Jun;48(6 Pt 2):I98–103

Baroreflex sensitivity in rabbits during the development of experimental renal hypertension and medial sclerosis. Angell–James JE, et al. **Clin Exp Hypertens** 1980 Feb; 2(2):321–40

Alterations of cardiovascular reflexes in hypertension. Zanchetti A, et al. **Clin Exp Hypertens** 1980;2(3–4):451–64 (19 ref.)

Angiotensin activates sympathetic reflexes in the anaesthetized cat. Clough DP, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:287s–289s

Is substance P the transmitter at the first synapse of the baroreceptor reflex in rats and cats? Haeusler G, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:295s–297s

Reno–renal and reno–adrenal reflexes in the rat. Recordati G, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:323s–325s

Modulation of proprioceptive transcortical reflexes in the cat with a penicillin epileptic motor focus. Encabo H, et al. **Electroencephalogr Clin Neurophysiol** 1981 Aug; 52(2):127–39

Interlimb reflexes evoked in human arm muscles by ankle displacement. Kearney RE, et al. **Electroencephalogr Clin Neurophysiol** 1981 Jul;52(1):65–71

Some principles of flexor reflex generation in human leg muscles. Meinck HM, et al. **Electroencephalogr Clin Neurophysiol** 1981 Aug; 52(2):140–50

The effects of cerebellar stimulation on alpha motoneuron excitability and the stretch reflex in the cat. Morillo LE, et al. **Electroencephalogr Clin Neurophysiol** 1981 Apr; 51(4):339–52

Diurnal rhythm in sensitivity of a nociceptive spinal reflex. Wright DM. **Eur J Pharmacol** 1981 Jan 29;69(3):385–8

Asymmetries of vertical vestibular nystagmus in the cat. Darlot C, et al. **Exp Brain Res** 1981;41(3–4):420–6

Body oscillations in balancing due to segmental stretch reflex activity. Dietz V, et al. **Exp Brain Res** 1980;40(1):89–95

A comparison of the horizontal and vertical optokinetic reflexes of the rabbit. Erickson RG, et al. **Exp Brain Res** 1980;40(4):448–56

Visual influences on vestibulospinal reflexes during vertical linear motion in normal and hemilabyrinthectomized monkeys. Lacour M, et al. **Exp Brain Res** 1981; 43(3–4):383–94

Feedback control of human lip muscle. Bratzlavsky M. **Exp Neurol** 1979 Jul;65(1):209–17

Interaction between reflexes and voluntary motor activity in man revealed by discharges of separate motor units. Gydikov A, et al. **Exp Neurol** 1981 Aug;73(2):331–44

Sprouting and reflex recovery after spinal nerve lesions in cats. Prendergast J, et al. **Exp Neurol** 1981 Sep;73(3):732–49

Principles of simulation of voluntary movements (kinesthetic afferentation, reflex activity, and voluntary movements). Mavlov L. **Hum Physiol** 1980 Jul–Aug;6(4):252–6

Some effects of auditory stimulation on perioral motor unit discharge and their implications for speech production. McClean MD, et al. **J Acoust Soc Am** 1981 May; 69(5):1452–7

Brain hypoxia and control of breathing: neuromechanical control. Chapman RW, et al. **J Appl Physiol** 1980 Sep; 49(3):497–505

Maturational changes of reflexes influencing inspiratory timing in newborns. Gerhardt T, et al. **J Appl Physiol** 1981 Jun;50(6):1282–5

Narrowing of glottis opening in humans associated with experimentally induced bronchoconstriction. Higenbottam T. **J Appl Physiol** 1980 Sep;49(3):403–7

Volume, flow, and timing of each breath during negative airway pressure in humans. Hirsch JA, et al. **J Appl Physiol** 1981 Mar;50(3):552–60

Reflex effects of left heart and pulmonary vascular distension on airways of dogs. Lloyd TC Jr. **J Appl Physiol** 1980 Oct;49(4):620–6

Respiratory reflexes evoked by tracheal distension. Rao SV, et al. **J Appl Physiol** 1981 Feb;50(2):421–7

Relative contributions of aortic and carotid sinus baroreceptors to the baroreceptor–heart rate reflex of the conscious rabbit. Blombery PA, et al. **J Auton Nerv Syst** 1979 Dec;1(2):161–71

Baroreceptor and chemoreceptor reflexes in postganglionic neurones supplying skeletal muscle and hairy skin. Blumberg H, et al. **J Auton Nerv Syst** 1980 Oct;2(3):223–40

Separate medullary pathways mediatiating reflex vagal bradycardia to stimulation of buffer nerves in the cat. Ciriello J, et al. **J Auton Nerv Syst** 1979 Oct;1(1):13–32

Tonic descending inhibition of the spinal somato–sympathetic reflex from the lower brain stem. Dembowsky K, et al. **J Auton Nerv Syst** 1980 Jul;2(2):157–82

Sympathetic responses evoked by vestibular stimulation and their interactions with somato–sympathetic reflexes. Ishikawa T, et al. **J Auton Nerv Syst** 1980 Mar;1(3):243–54

Conduction velocity in spinal descending pathways of baro– and chemoreceptor reflex. Jänig W, et al. **J Auton Nerv Syst** 1979 Dec;1(2):149–60

Reciprocal and non–reciprocal action of the vagal and sympathetic nerves innervating the heart. Kollai M, et al. **J Auton Nerv Syst** 1979 Oct;1(1):33–52

Axon types of prevcrtebral ganglia and the peripheral autonomic reflex arc. Léránth C, et al. **J Auton Nerv Syst** 1980 Mar;1(3):265–81

Somatosplanchnic reflex discharges in rats. Nosaka S, et al. **J Auton Nerv Syst** 1980 Jul;2(2):95–104

Reflex bladder activity induced by electrical stimulation of hind limb somatic afferents in the cat. Sato A, et al. **J Auton Nerv Syst** 1980 Mar;1(3):229–41

Effect of carotid sinus baroreceptor reflex on responses to phenylephrine and nitroprusside in anesthetized cats. Greenway CV, et al. **J Cardiovasc Pharmacol** 1981 Jan–Feb;3(1):169–77

Interaction of cardiopulmonary and somatic reflexes in humans. Walker JL, et al. **J Clin Invest** 1980 Jun; 65(6):1491–97

2–Deoxyglucose uptake in the cat spinal cord during sustained and habituated activity in the plantar cushion reflex pathway. Proshansky E, et al. **J Comp Neurol** 1980 Dec 1;194(3):505–17

Chemoreceptors and their reflexes with special reference to the fetus and newborn. Purves MJ. **J Dev Physiol** 1981 Feb;3(1):21–57 (185 ref.)

Motor and reflexive behavior in the aging rat. Wallace JE, et al. **J Gerontol** 1980 May;35(3):364–70

The mechanism and clinical significance of optokinetic nystagmus. Dix MR. **J Laryngol Otol** 1980 Aug; 94(8):845–64 (14 ref.)

The stapedius reflex in idiopathic facial palsy. Rosen G, et al. **J Laryngol Otol** 1980 Sep;94(9):1017–20

CNS control over gill reflex behaviors in Aplysia: satiation causes an increase in the suppressive control in older but not young animals. Lukowiak K. **J Neurobiol** 1980 Nov;

11(6):591–611
Reflex responses of paraspinal muscles to tapping. Dimitrijevic MR, et al. **J Neurol Neurosurg Psychiatry** 1980 Dec;43(12):1112–8
Autonomic control of cardiovascular reflexes in narcolepsy. Sachs C, et al. **J Neurol Neurosurg Psychiatry** 1980 Jun; 43(6):535–9
Standardisation of the electrical elicitation of the human flexor reflex. Tørring J, et al.
J Neurol Neurosurg Psychiatry 1981 Feb;44(2):129–32
Sympathetic reflex latencies and conduction velocities in normal man. Fagius J, et al. **J Neurol Sci** 1980 Sep; 47(3):433–48
Sympathetic reflex latencies and conduction velocities in patients with polyneuropathy. Fagius J, et al.
J Neurol Sci 1980 Sep;47(3):449–61
Interneurons involved in mediation and modulation of gill-withdrawal reflex in Aplysia. IV. Morphological basis of presynaptic facilitation. Bailey CH, et al.
J Neurophysiol 1981 Feb;45(2):340–60
Comparative aspects of neural circuits for inking behavior and gill withdrawal in Aplysia californica. Byrne JH.
J Neurophysiol 1981 Jan;45(1):98–106
Modulation of ipsi- and contralateral reflex responses in unrestrained walking cats. Duysens J, et al.
J Neurophysiol 1980 Nov;44(5):1024–37
Interneurons involved in mediation and modulation of gill-withdrawal reflex in Aplysia. III. Identified facilitating neurons increase Ca2+ current in sensory neurons. Hawkins RD. **J Neurophysiol** 1981 Feb;45(2):327–39
Interneurons involved in mediation and modulation of gill-withdrawal reflex in Aplysia. II. Identified neurons produce heterosynaptic facilitation contributing to behavioral sensitization. Hawkins RD, et al.
J Neurophysiol 1981 Feb;45(2):315–28
Interneurons involved in mediation and modulation of gill-withdrawal reflex in Aplysia. I. Identification and characterization. Hawkins RD, et al. **J Neurophysiol** 1981 Feb;45(2):304–14
Regulation of soleus muscle stiffness in premammillary cats: intrinsic and reflex components. Hoffer JA, et al.
J Neurophysiol 1981 Feb;45(2):267–85
Role of primate medial vestibular nucleus in long-term adaptive plasticity of vestibuloocular reflex. Lisberger SG, et al. **J Neurophysiol** 1980 Jun;43(6):1725–45
Optokinetic response in monkey: underlying mechanisms and their sensitivity to long-term adaptive changes in vestibuloocular reflex. Lisberger SG, et al.
J Neurophysiol 1981 May;45(5):869–90
Vestibular reflexes in neck and forelimb muscles evoked by roll tilt. Schor RH, et al. **J Neurophysiol** 1981 Jul; 46(1):167–78
Mechanical and neural feedback factors in postural hand tremor of normal subjects. Stiles RN. **J Neurophysiol** 1980 Jul;44(1):40–59
Effect of vertical linear acceleration on H-reflex in decerebrate cat. I. Transient stimuli. Watt DG.
J Neurophysiol 1981 Apr;45(4):644–55
Reflex cardiovascular responses induced by electrical stimulation of glossopharyngeal nerves in the rat. Lee JY, et al. **J Pharmacol Methods** 1981 Jan;5(1):15–27
The gastric motility patterns induced by direct and reflex excitation of the vagus nerves in the anaesthetized ferret. Andrews PL, et al. **J Physiol (Lond)** 1980 May;302:363–78
Fusimotor activity in masseter nerve of the cat during reflex jaw movements. Appenteng K, et al. **J Physiol (Lond)** 1980 Aug;305:415–31
The reflex responses of single motor units in human hand muscles following muscle afferent stimulation. Buller NP, et al. **J Physiol (Lond)** 1980 Jun;303:337–49
Common interneurones in reflex pathways from group 1a and 1b afferents of knee flexors and extensors in the cat. Czarkowska J, et al. **J Physiol (Lond)** 1981 Jan;310:367–80
The effect of cerebellectomy on the tonic labyrinth and neck reflexes in the decerebrate cat. Dutia MB, et al.
J Physiol (Lond) 1981 Mar;312:115–23
Phase relationship between normal human respiration and baroreflex responsiveness. Eckberg DL, et al.
J Physiol (Lond) 1980 Jul;304:489–502
Morphology of spinal motoneurones mediating a cutaneous spinal reflex in the cat. Egger MD, et al.
J Physiol (Lond) 1980 Sep;306:349–63
The reflex responses of single motor units in human first dorsal interosseous muscle following cutaneous afferent stimulation. Garnett R, et al. **J Physiol (Lond)** 1980 Jun; 303:351–64
Common interneurones in reflex pathways from group 1a and 1b afferents of ankle extensors in the cat. Jankowska E, et al. **J Physiol (Lond)** 1981 Jan;310:381–402
Postinhibitory rebound facilitation of the extension reflex in the high spinal cat. Aoki M, et al. **Jpn J Physiol** 1980; 30(3):465–71
Gastro-gastric excitatory motor reflex in the dog. Mizonishi T. **Jpn J Physiol** 1980;30(5):795–8
Identification of the stretch reflex using pseudorandom excitation: electromyographic response to displacement of the human forearm. Johnson SW, et al.
Med Biol Eng Comput 1981 Mar;19(2):195–207
Exercise effects upon reflex time components in weight lifters and distance runners. Kamen G, et al.
Med Sci Sports Exerc 1981;13(3):198–204
The role of the tonic stretch reflex during standing in man. Hibino R. **Nagoya J Med Sci** 1980 Nov;43(1–2):15–24
The control of muscle tone, reflexes, and movement: Robert Wartenberg Lecture. Lance JW. **Neurology (NY)** 1980 Dec; 30(12):1303–13
Neurologic prognosis after cardiopulmonary arrest: IV. Brainstem reflexes. Snyder BD, et al. **Neurology (NY)** 1981 Sep;31(9):1092–7
Ultrastructural changes in synapses of the rabbit sensomotor cortex during stimulation of the reticular formation. Artyukhina NI, et al. **Neurosci Behav Physiol** 1980 Sep–Oct;10(5):438–45
Sensitization and habituation in command neurons of the defensive reflex in Helix lucorum. Balaban PM.
Neurosci Behav Physiol 1980 Jul–Aug;10(4):340–5
Forward and backward connections during combination of indifferent stimuli. Davydova EK.
Neurosci Behav Physiol 1980 Sep–Oct;10(5):415–20
Sensitization of the perioral biting reflex by intranigral GABA agonist after detelencephalization. Welzl H, et al. **Neurosci Lett** 1981 Feb 6;21(3):351–4
Reflex motor output to torque pulses in man: identification of short- and long-latency loops with individual feedback parameters. Dufresne JR, et al. **Neuroscience** 1979; 4(10):1493–500
Modulation of the amplitude of the digastric jaw opening reflex during the masticatory cycle. Lund JP, et al.
Neuroscience 1981;6(1):95–8
The oesophageal-groove reflex and anthelmintic efficacy [letter] Charleston WA. **NZ Vet J** 1981 Mar;29(3):39–40
Withdrawal reflex, skin resistance reaction and pain ratings due to electrical stimuli in man. Bromm B, et al. **Pain** 1980 Dec;9(3):339–54
Raphe-induced suppression of the jaw-opening reflex and single neurons in trigeminal subnucleus oralis, and influence of naloxone and subnucleus caudalis. Sessle BJ, et al.
Pain 1981 Feb;10(1):19–36
Effect of peripheral electrical stimulation on the jaw opening reflex [letter] Sharav Y. **Pain** 1981 Apr;10(2):263
Local electrical stimulation: effective needling points for suppressing jaw opening reflex in rat. Toda K, et al.
Pain 1980 Oct;9(2):199–207
The two-way connection as a basic principle of neurophysiology. Asratyan EA. **Pavlov J Biol Sci** 1981 Jan–Mar;16(1):1–7
Reflex inotropic responses of the heart from lung inflation in anaesthetized dogs. Greenwood PV, et al.
Pfluegers Arch 1980 Jul;386(2):199–205
Quantitative relation between the intensity of tooth pulp stimulation and the magnitude of jaw opening reflex in the rat. Iriki A, et al. **Physiol Behav** 1980 Jun;24(6):1173–5
Spinal transection restores sexual reflexes of rats following suppression by penile sheath removal. Lumia AR, et al.
Physiol Behav 1980 Jul;25(1):89–92
Induction of the 'stretching response' by vagino-cervical stimulation in the rat. Naggar AN, et al. **Physiol Behav** 1980 Jun;24(6):1041–5
Trigeminal contribution to the head righting reflex. Troiani D, et al. **Physiol Behav** 1981 Jul;27(1):157–60
Effect of anesthetics on the interaction between pressor and depressor reflexes in dogs. Kendrick JE, et al.
Proc Soc Exp Biol Med 1980 Oct;165(1):100–6
Coupled stretch reflexes in ankle muscles: an evaluation of the contributions of active muscle mechanisms to human posture stability. Allum JH, et al. **Prog Brain Res** 1979; 50:185–95
Adaptation of optokinetic and vestibulo-ocular reflexes to modified visual input in the rabbit. Collewijn H, et al.
Prog Brain Res 1979;50:771–81
A role of neck afferents on vestibulocollic reflex elicited by dynamic labyrinthine stimulation. Ezure K, et al.
Prog Brain Res 1979;50:537–49
Symposium on reflex control of posture and movement. Opening lecture: Some comments on 'Tone'. Granit R.
Prog Brain Res 1979;50:xvii–xix
Synaptic and functional organization of vestibulo-ocular reflex pathways. Highstein SM, et al. **Prog Brain Res** 1979; 50:431–42
Adaptive modification of the vestibulo-ocular reflex in rabbits affected by visual inputs and its possible neuronal mechanisms. Ito M. **Prog Brain Res** 1979;50:757–61
Two functions of reflexes in human movement: interaction with preprograms and gain of force. Jung R.
Prog Brain Res 1979;50:237–41
Visual-vestibular interactions and the role of the flocculus in the vestibulo-ocular reflex. Kimm J, et al.
Prog Brain Res 1979;50:703–13
Efferent and afferent responses during falling and landing in cats. Lewis MM, et al. **Prog Brain Res** 1979;50:423–8
Multisensory control of spinal reflex pathways. Lundberg A. **Prog Brain Res** 1979;50:11–28 (62 ref.)
Visual fixation: a collicular reflex? Roucoux A, et al.
Prog Brain Res 1979;50:745–53
Organization and control of the vestibulo-ocular reflex. Schmid R, et al. **Prog Brain Res** 1979;50:477–89
Direction-specific vestibular and visual modulation of fore- and hindlimb reflexes in cats. Thoden U, et al.
Prog Brain Res 1979;50:211–8
Contribution of different size motoneurons to Renshaw cell discharge during stretch and vibration reflexes. Wand P, et al. **Prog Brain Res** 1979;50:45–60
Role of angiotensin II and bradykinin in the diuresis caused by stimulation of atrial receptors. Knapp MF, et al.
Q J Exp Physiol 1980 Oct;65(4):335–47
Attentional factors in the inhibition of a reflex by a visual stimulus. DelPezzo EM, et al. **Science** 1980 Nov 7; 210(4470):673–4
[Theoretical and practical aspects of ileogastric reflexes] Rozsos I. **Acta Chir Acad Sci Hung** 1979;20(2–3):171–6 (Eng. Abstr.) **(Ger)**
[Palmomental electrography: evoked facial responses to median nerve stimulation methods and results in normal subjects (author's transl)] Lischewski R, et al.
Arch Psychiatr Nervenkr 1980;228(4):287–98 (Eng. Abstr.) **(Ger)**
[Motor functions in developmental-neurological diagnosis. Longitudinal study of low-risk infants. I. Normalization tendency, reflexes] Berger E. **Paediatr Paedol** 1980; 15(4):321–32 (Eng. Abstr.) **(Ger)**
[Reflex control of arterial pressure in the non-anesthetized cat] Ferrari A, et al. **Boll Soc Ital Cardiol** 1980;25(2):123–30 **(Ita)**
[Design and use of an acoustic biostimulator for systematic studies of the configuration of evoked electrodermal orientation responses] Giannazzo E, et al.
Minerva Psichiatr 1979 Apr–Jun;20(2):143–5 (Eng. Abstr.) **(Ita)**
[Autonomic nervous reflexes elicited by stimulation of muscle nerves in the cat (author's transl)] Sato Y.
Hokkaido Igaku Zasshi 1981 Jan;56(1):67–74 (Eng. Abstr.) **(Jpn)**
[Sensation and reflex evoked by electric stimulation of the dental pulp] Sumino R. **Kokubyo Gakkai Zasshi** 1980 Jun; 47(2):347 **(Jpn)**
[Central mechanism of postural reflex. Part II. Role of neck afferents on control of posture and movement, and pathogenesis of traumatic cervical syndrome (author's transl)] Maeda M. **Neurol Med Chir (Tokyo)** 1980 Jun; 20(6):619–31 **(Jpn)**
[Use of middle ear muscle reflex for evaluation of facial palsy (author's transl)] Honjo I, et al.
Nippon Jibiinkoka Gakkai Kaiho 1980 Dec 10; 83(12):1635–44 (Eng. Abstr.) **(Jpn)**
[Electromyographic study of mentalis muscle reaction to pain] Domżał T, et al. **Neurol Neurochir Pol** 1980 May–Jun; 14(3):263–7 (Eng. Abstr.) **(Pol)**
[Psychomotor development and neurological status of infants from the perinatal risk group] Czochańska J, et al.
Pediatr Pol 1980 Aug;55(8):937–41 (Eng. Abstr.) **(Pol)**
[Evaluation of the neurological status of newborn infants by screening methods] Hofman H, et al. **Pediatr Pol** 1980 Aug; 55(8):927–36 (Eng. Abstr.) **(Pol)**
[Biological significance of physiologic hypoxemia] Frankshtein SI, et al. **Biull Eksp Biol Med** 1981 Mar; 91(3):263–5 (Eng. Abstr.) **(Rus)**
[Effect of stimulation of the posterior portion of the hypothalamus on the ratio of conditioned to unconditioned reflexes] Bosyi MK, et al. **Fiziol Zh** 1981 Mar–Apr; 27(2):155–60 (Eng. Abstr.) **(Rus)**
[Normal and pathological trigeminal reflexes] Dinaburg AD, et al. **Fiziol Zh** 1980 Sep–Oct;26(5):579–88 (53 ref.) **(Rus)**
[Certain patterns in baroreflex regulation of hemodynamics. Studies using a mathematical model] Palets BL.
Fiziol Zh 1980 Nov–Dec;26(6):751–7 (Eng. Abstr.) **(Rus)**
[Establishment of somato-sympathetic reactions during the early stages of postnatal ontogeny in cats] Antsiferova LI, et al. **Fiziol Zh SSSR** 1980 Jul;66(7):1115–24 (Eng. Abstr.) **(Rus)**
[Age and features of reflex reactions of lymphatic and venous vessels] Beremzhanova IA, et al. **Fiziol Zh SSSR** 1981 Jan; 67(1):160–6 (Eng. Abstr.) **(Rus)**
[Dynamics of 1-minute superslow oscillations during the process of formation of a shortened reflex] Borodkin IuS, et al. **Fiziol Zh SSSR** 1980 Aug;66(8):1151–8 (Eng. Abstr.) **(Rus)**
[Role of sympathetic innervation of the upper respiratory tract in the reflex effects of its mechanoreceptors] Fel'berbaum RA. **Fiziol Zh SSSR** 1980 Jul;66(7):1107–14 (Eng. Abstr.) **(Rus)**
[Electrical responses recorded in the subdiaphragmatic branches of the vagus nerve upon stimulation of a splanchnic nerve] Itina LV, et al. **Fiziol Zh SSSR** 1981 Apr;67(4):553–60 (Eng. Abstr.) **(Rus)**
[Establishment and development of venous system functions during postnatal ontogeny] Kolesinskaia RD.
Fiziol Zh SSSR 1981 Jan;67(1):105–8 (Eng. Abstr.) **(Rus)**
[Effectiveness of reflexes on accumulating vessels with different initial venous pressures] Kudriashov IuA, et al.
Fiziol Zh SSSR 1981 Jan;67(1):40–7 (Eng. Abstr.) **(Rus)**
[Level at which baroreflex sympatho-inhibitory effects are achieved] Lebedev VP, et al. **Fiziol Zh SSSR** 1980 Jul; 66(7):1015–23 (Eng. Abstr.) **(Rus)**
[Somato-autonomic coupling in the central command to move] Medvedev OS, et al. **Fiziol Zh SSSR** 1981 Apr; 67(4):593–8 **(Rus)**
[Changes in lymph flow during reflexes from lymph vessels] Myrzakhanov NM. **Fiziol Zh SSSR** 1981 Mar;67(3):410–3 **(Rus)**
[Systemic vascular reactions to increases in total blood flow] Osadchii LI, et al. **Fiziol Zh SSSR** 1980 Oct;66(10):1481–7 (Eng. Abstr.) **(Rus)**
[Systemic analysis of the functions of capacitance vessels] Skipina EG, et al. **Fiziol Zh SSSR** 1981 Jan;67(1):23–30

(Eng. Abstr.) (Rus)
[Effect of hypothalamic stimulation on the appearance of the early and delayed responses of the somato-sympathetic reflex] Skobelev VA, et al. **Fiziol Zh SSSR** 1980 Jul; 66(7):1024–30 (Eng. Abstr.) (Rus)
[Effect of sectioning saccular nerves (ramuli sacculi) on cervical nystagmus in pigeons (Columba livia)] Stolbkov IuK. **Fiziol Zh SSSR** 1980 Oct;66(10):1454–9 (Rus)
[Method of studying the reaction to lift-off white rats] Aizikov GS, et al. **Kosm Biol Aviakosm Med** 1981 Jun–Jul; 15(4):82–4 (Rus)
[Device for studying the righting reflex of small laboratory animals] Aizikov GS, et al. **Kosm Biol Aviakosm Med** 1980 Nov–Dec;14(6):76–8 (Rus)
[Reorganization of segmental reactions to peripheral stimulation during fictive scratching in the cat] Baev KV. **Neirofiziologiia** 1981;13(2):196–203 (Eng. Abstr.) (Rus)
[Effect of rhythmic stimulation of the locus coeruleus on segmental reflex reactions evoked by stimulation of cutaneous and muscle afferents] Iakhnitsa IA, et al. **Neirofiziologiia** 1980;12(6):642–5 (Eng. Abstr.) (Rus)
[Study of postinhibitory 'rebound' in individual motor units of human hand muscles] Kozhina GV, et al. **Neirofiziologiia** 1980;12(4):421–4 (Eng. Abstr.) (Rus)
[Role of different types of infraorbital nerve fibers in synaptic activation of masticatory muscle motoneurons] Limanskii IuP, et al. **Neirofiziologiia** 1980;12(6):596–603 (Eng. Abstr.) (Rus)
[Effect of rhythmic stimulation of the locus coeruleus on spinal inhibition induced by activation of flexor reflex afferents in the cat] Piliavskii AI, et al. **Neirofiziologiia** 1981;13(2):187–95 (Eng. Abstr.) (Rus)
[Effect of accommodation overload on the equilibrium of the external eye muscles (data on the muscle-reflex hypothesis of concomitant strabismus)] Vodovozov AM, et al. **Oftalmol Zh** 1980;35(6):347–50 (Eng. Abstr.) (Rus)
[Clinico-electromyographic characteristics of spinal cord and peripheral nerve function in diabetic children] Lazareva SP, et al. **Probl Endokrinol (Mosk)** 1981 Mar–Apr; 27(2):6–10 (Eng. Abstr.) (Rus)
[Development of the Sechenov's doctrine of unity between the organism and the environment] Makarov VA. **Usp Fiziol Nauk** 1979 Jul–Sep;10(3):5–14 (Rus)
[Comparative physiological analysis of the functional organization of the reflexogenic zone of the heart in relation to the control of heart rhythm in vertebrates] Kamenskaia VN, et al. **Usp Sovrem Biol** 1980 Jul–Aug;90(1):138–53 (Rus)
[Physiological bases of pain and reflex anesthesia] Durinian RA. **Vestn Akad Med Nauk SSSR** 1980;(9):38–44 (Eng. Abstr.) (Rus)
[Transformation of the structuro-functional organization of the motor neuron pool of the spinal cord during the postnatal ontogeny of dogs] Arshavskii IA, et al. **Zh Evol Biokhim Fiziol** 1980 Sep–Oct;16(5):461–8 (Eng. Abstr.) (Rus)
[Role of the lymphatic system in the osmoregulatory reflex of Testudo horsfieldi turtles] Bulekbaeva LE, et al. **Zh Evol Biokhim Fiziol** 1980 Jul–Aug;16(4):401–2 (Eng. Abstr.) (Rus)
[Effect of sensory input parameters on efferent output of spike activity of river crayfish neurons] Fedotov VP. **Zh Evol Biokhim Fiziol** 1980 Sep–Oct;16(5):437–43 (Eng. Abstr.) (Rus)
[Interaction of autorhythmic and reflex mechanisms in responses of the immature rabbit cortex to rhythmic afferent stimuli] Voino-Iasenetskii AV, et al. **Zh Evol Biokhim Fiziol** 1981 Mar–Apr;17(2):191–8 (Eng. Abstr.) (Rus)
[Relation between identified neurons of defensive and respiratory reflexes in edible snails] Balaban PM. **Zh Vyssh Nerv Deiat** 1981;31(2):315–22 (Eng. Abstr.) (Rus)
[Morphofunctional changes in the synapses of the rabbit sensomotor cortex during the summation reflex] Riabinina MA, et al. **Zh Vyssh Nerv Deiat** 1980 Jul–Aug;30(4):814–23 (Eng. Abstr.) (Rus)
[The effect of increased intrapulmonary pressure on defensive reflexes of the respiratory tract] Javorka K, et al. **Cesk Fysiol** 1981 May;30(3):251–2 (Slo)
[Changes in the expiratory reflex after carrageen pleuritis] Korpáš J, et al. **Cesk Fysiol** 1981 May;30(3):259–60 (Slo)

REFLEX, ABDOMINAL see under **REFLEX**

REFLEX, ABNORMAL

Neurogenic suppression of carotid sinus reflexes by vagal afferents in sodium-depleted dogs. Szilagyi JE, et al. **Am J Physiol** 1981 Aug;241(2):H255–62
Primitive reflexes and perceptual sensory tests in the elderly–their usefulness in dementia. Basavaraju NG, et al. **J Chronic Dis** 1981;34(8):367–77
[Crossed plantar extension. A clinical and physiological study (author's transl)] Gautier JC, et al. **Rev Neurol (Paris)** 1980; 136(8–9):521–9 (Eng. Abstr.) (Fre)
[Hyperactive carotid sinus reflex (author's transl)] Merx W, et al. **Dtsch Med Wochenschr** 1981 Jan 30;106(5):135–40 (Eng. Abstr.) (Ger)
[Analysis of the sensitivity of baroreceptors during the chronic phase of renovascular hypertension in the rat] Carretta R, et al. **Minerva Nefrol** 1980 Oct–Dec;27(4):593–7 (Eng. Abstr.) (Ita)

COMPLICATIONS

Detrusor hyperreflexia in multiple sclerosis: diagnosis and management. Sofras F, et al. **Eur Urol** 1981;7(4):252–3
Sympathetic hyperreflexia in tetraplegics. The value of systolic time intervals in assessing drug effects. Sommers DK. **S Afr Med J** 1980 Dec 13;58(24):978–80
[Fisher syndrome] Scarpatetti A, et al. **Klin Monatsbl Augenheilkd** 1980 Apr;176(4):708–10 (Eng. Abstr.) (Ger)

DIAGNOSIS

Startle disease or hyperekplexia: further delineation of the syndrome Andermann F, et al. **Brain** 1980 Dec; 103(4):985–97
Bilateral loss of caloric response in conscious patients (areflexia vestibularis). Steensen SH, et al. **Clin Otolaryngol** 1980 Dec;5(6):373–7
Myotatic reflexes and the on-off effect in patients with Parkinson's disease. Dufresne JR, et al. **J Neurol Neurosurg Psychiatry** 1981 Apr;44(4):315–22
A patient with reflex myoclonus and muscle rigidity: 'jerking stiff-man syndrome'. Leigh PN, et al. **J Neurol Neurosurg Psychiatry** 1980 Dec;43(12):1125–31
Detection of uremic neuropathy by reflex response latency. Knoll O, et al. **J Neurol Sci** 1980 Aug;47(2):305–12
Fisher syndrome in childhood. Becker WJ, et al. **Neurology (NY)** 1981 May;31(5):555–60
[Syndrome of ophthalmoplegia, ataxia and areflexia of Fisher in a 14 year old boy (author's transl)] Bosch C, et al. **Klin Padiatr** 1981 Jul;193(4):341–2 (Eng. Abstr.) (Ger)
[Usefulness of determining the postural reaction for the early diagnosis of central motor activity disorders in children and for rehabilitation] Krauze M, et al. **Neurol Neurochir Pol** 1980;14(6):651–7 (13 ref.) (Pol)
[Express method for the reflex diagnosis of internal organ diseases] Markov IuV, et al. **Vrach Delo** 1980 Jul;(7):4–6 (Eng. Abstr.) (Rus)
[Reflex-motor asymmetries in clinical neurology (mechanisms, differentiation, and clinical evaluation)] Lobzin VS, et al. **Zh Nevropatol Psikhiatr** 1980; 80(9):1314–20 (Eng. Abstr.) (Rus)

ETIOLOGY

Autonomic hyperreflexia during upper extremity surgery. Greene ES, et al. **Can Anaesth Soc J** 1981 May;28(3):268–71
H reflex latency i relation to ankle jerk, electromyographic, myelographic, and surgical findings in back pain patients. Baylan SP, et al. **Electromyogr Clin Neurophysiol** 1981 Feb–Mar;21(2–3):201–6
Vestibular-ocular reflex patients with lesions involving the vestibulocerebellum. Baloh RW, et al. **Exp Neurol** 1981 Apr;72(1):141–52
Quantitative assessment of smooth-pursuit eye movements in healthy and epileptic subjects. Bittencourt PR, et al. **J Neurol Neurosurg Psychiatry** 1980 Dec;43(12):1119–24
[Neonatal subocclusion and athyreosis. Anomalies of the inhibitory recto-anal reflex (letter)] Duhamel JF, et al. **Arch Fr Pediatr** 1981 Mar;38(3):213 (Fre)
[Pathogenesis of infantile cerebral palsy] Semenova KA. **Zh Nevropatol Psikhiatr** 1980;80(10):1445–50 (Eng. Abstr.) (Rus)
[Minimal-organic brain dysfunction. Functional disorder of the central nervous system associated with reflex anomalies] Blythe P, et al. **Lakartidningen** 1981 Jan 7; 78(1–2):45–8 (Eng. Abstr.) (Swe)

FAMILIAL & GENETIC

[Hereditary areflexic dysstasia (Roussy-Lévy syndrome)] Badalian LO, et al. **Zh Nevropatol Psikhiatr** 1981;(5):682–8 (Eng. Abstr.) (Rus)

METABOLISM

Autonomic dysreflexia and catecholamines [letter] Wainapel SF. **N Engl J Med** 1980 Dec 4;303(23):1368

MICROBIOLOGY

Fisher's syndrome associated with Epstein-Barr virus. Slavick HE, et al. **Arch Neurol** 1981 Feb;38(2):134–5

OCCURRENCE

Elevated stapedius reflex threshold and pathologic reflex decay. Clinical occurrence and significance. Hirsch A, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1980;Suppl 368:1–28

PATHOLOGY

Experimental autonomic neuropathy: ultrastructure and immunohistochemical study of a disorder of reflex vasomotor function. Becker W, et al. **J Auton Nerv Syst** 1979 Oct;1(1):53–67

PHYSIOPATHOLOGY

Autonomic hyperreflexia. Mew LG. **Ann Emerg Med** 1981 Mar;10(3):151–3
Autonomic hyperreflexia: pathophysiology and medical management. Erickson RP. **Arch Phys Med Rehabil** 1980 Oct;61(10):431–40 (60 ref.)
The crossed adductor reflex in humans: an EMG study. Teasdall RD, et al. **Can J Neurol Sci** 1981 Feb;8(1):81–5
Effects of cerebellar stimulation on abnormal proprioceptive reflexes in spastic primates. Ebner TJ, et al. **Exp Neurol** 1980 Dec;70(3):721–5
Holmes-Adie syndrome [letter] Martinelli P, et al. **J Neurol Neurosurg Psychiatry** 1980 Dec;43(12):1147
Brisk reflexes in limbs of patients with arteriovenous fistulae [letter] Perkin GD. **Lancet** 1981 Feb 14;1(8216):387
[Normal and pathological trigeminal reflexes] Dinaburg AD, et al. **Fiziol Zh** 1980 Sep–Oct;26(5):579–88 (53 ref.) (Rus)
[Spinal cord reflex activity characteristics of children with a diabetic heredity] Lazareva SP, et al. **Probl Endokrinol (Mosk)** 1980 Sep–Oct;26(5):11–5 (Eng. Abstr.) (Rus)

SURGERY

Percutaneous sacral rhizotomy for neurogenic detrusor hyperreflexia. Young B, et al. **J Neurosurg** 1980 Jul; 53(1):85–7

REFLEX, ACOUSTIC

Recovery of the human intra-aural muscle reflex after 'pauses' of various depth. Borg E. **Acta Otolaryngol (Stockh)** 1980;90(1–2):1–5
Temporal summation in acoustic reflex growth functions. Gelfand SA, et al. **Acta Otolaryngol (Stockh)** 1981 Mar–Apr;91(3–4):177–82
Fatigability of the stapedius reflex in industrial noise. Nilsson R, et al. **Acta Otolaryngol (Stockh)** 1980 May–Jun; 89(5–6):433–9
Elevated stapedius reflex threshold and pathologic reflex decay. Clinical occurrence and significance. Hirsch A, et al. **Acta Otolaryngol [Suppl] (Stockh)** 1980;Suppl 368:1–28
Speech intelligibility in stapedectomized individuals. Chadwell DL, et al. **Am J Otol** 1979 Oct;1(2):103–8
Cochlear otosclerosis: acoustic reflex findings. Forquer BD, et al. **Am J Otol** 1981 Apr;2(4):297–300
CPA tumors with normal routine audiometry and positive reflex and BSER tests. Saunders AZ, et al. **Am J Otol** 1981 Apr;2(4):318–23
Effects of prolonged noise exposure in chinchillas with severed middle ear muscles. Ferraro JA, et al. **Am J Otolaryngol** 1981 Feb;2(1):13–8
A comparison of stapedial reflex fatigue with repetitive stimulation and single-fiber EMG in myasthenia gravis. Kramer LD, et al. **Ann Neurol** 1981 Jun;9(6):531–6
Acoustic reflex latency test in the evaluation of nontumor patients with abnormal brainstem latencies. Clemis JD, et al. **Ann Otol Rhinol Laryngol** 1980 Jul–Aug;89(4 Pt 1):296–302
Validation of an automatic otoadmittance middle ear analyzer. Fria TJ, et al. **Ann Otol Rhinol Laryngol** 1980 May–Jun;89(3 Pt 1):253–6
Acoustic reflex as a predictor of middle ear effusion. Freyss GE, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1980 May–Jun; 89(3 Pt 2 Suppl 68):196–9
Acoustic immittance findings in acute otitis media. Schwartz DM, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1980 May–Jun;89(3 Pt 2 Suppl 68):211–3
Acoustic reflex hyperactivity in an infant with meningitis. Downs DW, et al. **Arch Otolaryngol** 1981 May;107(5):324–5
Acoustic reflex crossover artifacts in infants and young children. Mahoney T. **Arch Otolaryngol** 1981 Jun; 107(6):363–6
Ossicular discontinuity with intact acoustic reflex. Shapiro I, et al. **Arch Otolaryngol** 1981 Sep;107(9):576–8
Dynamic study of the acoustico-facial reflex by impedance measurement. Gersdorff MC. **Arch Otorhinolaryngol** 1980; 228(2):101–12
Low-level acoustic reflex thresholds. Blood IM, et al. **Audiology** 1981 May–Jun;20(3):244–50
PB rollover and the acoustic reflex. Hannley M, et al. **Audiology** 1981 May–Jun;20(3):251–8
Input-output function of the acoustic reflex and objective hearing aid evaluation. Kiessling J. **Audiology** 1980 Nov–Dec;19(6):480–94
Ipsilateral and contralateral acoustic reflex thresholds. Laukli E, et al. **Audiology** 1980 Nov–Dec;19(6):469–79
Dynamics of acoustic reflex growth. Sprague BH, et al. **Audiology** 1981 Jan–Feb;20(1):15–40
The acoustic reflex pattern studied by the averaging technique. Zito F, et al. **Audiology** 1980 Sep–Oct; 19(5):395–403
Conditioning the middle ear reflex at sensation levels below reflex threshold: air jet and electrical stimulation. McDaniel-Bacon L, et al. **Ear Hear** 1980 Sep–Oct; 1(5):249–58
Effect of the acoustic reflex on the spondee threshold. McDonald JM, et al. **Ear Hear** 1980 Jul–Aug;1(4):215–8
Acoustic reflex thresholds in young and elderly subjects with normal hearing. Gelfand SA, et al. **J Acoust Soc Am** 1981 Jan;69(1):295–7
Acoustic-reflex thresholds for noise stimuli. Margolis RH, et al. **J Acoust Soc Am** 1980 Sep;68(3):892–5
Effect of sensorineural hearing loss on the stapedius reflex growth function in the elderly. Silman S, et al. **J Acoust Soc Am** 1981 Apr;69(4):1099–106
Acoustic reflex growth in the aging adult. Thompson DJ,

et al. **J Speech Hear Res** 1980 Jun;23(2):405–18
The negative acoustic reflex in retrocochlear disorders. Mangham CA, et al. **Laryngoscope** 1980 Nov;90(11 Pt 1):1753–61
The normal middle ear reflex thresholds towards white noise and acoustic clicks in young adults. Johnsen NJ, et al. **Scand Audiol** 1980;9(3):131–5
Ipsilateral acoustic reflex artefacts measured in cadavers. Lutman ME, et al. **Scand Audiol** 1980;9(1):33–9
The neonatal acoustic reflex. Weatherby LA, et al. **Scand Audiol** 1980;9(2):103–10
[Middle ear reflexes in the peripheral type of facial nerve paralysis] Janisch R, et al. **Cesk Otolaryngol** 1981 Jan; 30(1):24–7 (Eng. Abstr.) **(Cze)**
[The stapes reflex in acoustic tumors (92 cas) (author's transl)] Sterkers O, et al. **Ann Otolaryngol Chir Cervicofac** 1980 Jul–Aug;97(7–8):597–607 (Eng. Abstr.) **(Fre)**
[Diagnostic value of the stapedial reflex examination by facial palsy (author's transl)] Draskovich E, et al. **HNO** 1981 Jul; 29(7):222–4 (Eng. Abstr.) **(Ger)**
[Measurements of the acoustic reflex at variable static pressures (author's transl)] Janssen T, et al. **HNO** 1981 Feb; 29(2):52–7 (Eng. Abstr.) **(Ger)**
[The human stapedius reflex by ipsilateral electrical stimulation of the auditory meatal skin (author's transl)] Ono J, et al. **HNO** 1980 Mar;28(3):104–7 (Eng. Abstr.) **(Ger)**
[Binaural summation of the ipsilateral and contralateral acoustic stapedius reflex (author's transl)] Reker U, et al. **HNO** 1980 Apr;28(4):135–8 (Eng. Abstr.) **(Ger)**
[Stapedius-reflex-audiometry by measuring the threshold for the re-inforcement of a pre-existing reflex (author's transl)] Reker U, et al. **Laryngol Rhinol Otol (Stuttg)** 1980 Sep; 59(9):557–61 (Eng. Abstr.) **(Ger)**
[A contribution to the 'acoustic-mechanical effect' of the ipsilateral registered stapedius-reflex (author's transl)] von Wedel H, et al. **Laryngol Rhinol Otol (Stuttg)** 1980 Sep; 59(9):548–56 (Eng. Abstr.) **(Ger)**
[Contralateral stapedial reflex in children, adults and high-frequency loss hearing impaired patients (author's transl)] Wustrow T, et al. **Laryngol Rhinol Otol (Stuttg)** 1980 Sep;59(9):562–9 (Eng. Abstr.) **(Ger)**
[Study of the wave-form of the stapedial reflex in response to sonorous stimuli of different intensity] Zito F, et al. **Boll Soc Ital Biol Sper** 1979 Apr 15;55(7):696–702 (Eng. Abstr.) **(Ita)**
[Study on the acoustic reflex in binaural hearing by means of the impedance method (author's transl)] Kodama N. **Nippon Jibiinkoka Gakkai Kaiho** 1980 Jul;83(7):822–34 (Eng. Abstr.) **(Jpn)**
[Stapedius reflex] Matsui T. **Nippon Jibiinkoka Gakkai Kaiho** 1980 Apr;83(4):439–52 (Eng. Abstr.) **(Jpn)**
[Measurements of the threshold of stapedius muscle reflex in assessing the sensitivity to noise (author's transl)] Gryczyński M. **Otolaryngol Pol** 1980;34(6):573–8 (Eng. Abstr.) **(Pol)**

DRUG EFFECTS

[Effects of diazepam on stapedius reflex: physiological research] Mininni F, et al. **Boll Soc Ital Biol Sper** 1980 May 30;56(10):1051–6 (Eng. Abstr.) **(Ita)**

REFLEX, BLINK see **BLINKING**

REFLEX, CONDITIONED see **CONDITIONING, CLASSICAL**

REFLEX, CORNEAL see **BLINKING**

REFLEX, MONOSYNAPTIC

Exteroceptive influence from trunk region on monosynaptic hind limb reflexes in the cat. Carlson H, et al. **Acta Physiol Scand** 1980 Oct;110(2):223–4
Jendrassik man.uver vs controlled contractions conditioning the excitability of soleus monosynaptic reflexes. Delwaide PJ, et al. **Arch Phys Med Rehabil** 1980 Nov;61(11):505–10
Reflex facilitation by remote contraction: topographic aspects. Toulouse P, et al. **Arch Phys Med Rehabil** 1980 Nov;61(11):511–6
The late facilitation in H-reflex recovery cycles in different pyramidal lesions. Strassburg HM, et al. **Arch Psychiatr Nervenkr** 1980;228(3):197–204
Delayed and enhanced long latency reflexes as the possible cause of postural tremor in late cerebellar atrophy. Mauritz KH, et al. **Brain** 1981 Mar;104(Pt 1):97–116
Effect of vibration of the ankle stretch reflex in man. Agarwal GC, et al. **Electroencephalogr Clin Neurophysiol** 1980 Jul; 49(1–2):81–92
Comparison of monosynaptic tendon reflexes during preparation for ballistic or ramp movement. Bonnet M. **Electroencephalogr Clin Neurophysiol** 1981 Apr; 51(4):353–62
Monosynaptic reflexes during generalized spike and wave activity, provoked by intermittent photic stimulation. Brunia CH. **Electroencephalogr Clin Neurophysiol** 1980 Aug;49(3–4):352–9
Multi-electrode recording of Hoffman reflexes. Hayes KC, et al. **Electroencephalogr Clin Neurophysiol** 1980 Oct; 50(1–2):196–9
Inter-individual variability of the H-reflex in normal subjects. Crayton JW, et al. **Electromyogr Clin Neurophysiol** 1981 Feb–Mar; 21(2–3):183–200
Monosynaptic reflexes in the flexor carpi ulnaris muscle in man. Deschuytere J, et al. **Electromyogr Clin Neurophysiol** 1981 Feb–Mar; 21(2–3):213–22
Facilitation of the H-reflex in low back pain. Hoehler FK, et al. **Electromyogr Clin Neurophysiol** 1981 Feb–Mar; 21(2–3):207–12
H-reflex and vibratory stimuli to the extremity. Ioku M. **Electromyogr Clin Neurophysiol** 1981 Jan;21(1):25–34
Reflexes evoked in leg muscles from arm afferents: a propriospinal pathway in man? Meinck HM, et al. **Exp Brain Res** 1981;43(1):78–86
Sensory and motor nerve conduction velocities and the latency of the H reflex during growth of the rat. Stanley EF. **Exp Neurol** 1981 Mar;71(3):497–506
H-response of the tibialis anterior muscle to stimulation of the lateral popliteal nerve: true reflex response of artefact? Starobinets MK, et al. **Hum Physiol** 1980 Jul–Aug; 6(4):257–62
H-reflex of the upper extremities in cervical myelopathy. Okamoto N, et al. **Int Orthop** 1980;4(3):193–203
The diagnostic value of H-index in S1 root compression. Aiello I, et al. **J Neurol Neurosurg Psychiatry** 1981 Feb; 44(2):171–2
An oscillatory component of the H-reflex. Crayton JW, et al. **J Neurol Neurosurg Psychiatry** 1981 Mar;44(3):239–42
Lateral asymmetry of the Hoffmann reflex: relation to cortical laterality. Goode DJ, et al. **J Neurol Neurosurg Psychiatry** 1980 Sep;43(9):831–5
Excitability of the monosynaptic reflex pathway in the child from birth to four years of age. Vecchierini-Blineau MF, et al. **J Neurol Neurosurg Psychiatry** 1981 Apr;44(4):309–14
Comparison of monosynaptic actions of medial gastrocnemius group Ia and group II muscle spindle afferents on triceps surae motoneurons. Sypert GW, et al. **J Neurophysiol** 1980 Oct;44(4):726–38
Effect of vertical linear acceleration on H-reflex in decerebrate cat. II. Sinusoidal stimuli. Watt DG. **J Neurophysiol** 1981 Apr;45(4):656–66
Effect of vertical linear acceleration on H-reflex in decerebrate cat. I. Transient stimuli. Watt DG. **J Neurophysiol** 1981 Apr;45(4):644–55
Tibial nerve H-reflex and F-wave studies in patients with uremic neuropathy. Panayiotopoulos CP, et al. **Muscle Nerve** 1980 Sep–Oct;3(5):423–6
The human jaw jerk: electrophysiologic methods to measure the latency, normal values, and changes in multiple sclerosis. Yates SK, et al. **Neurology (NY)** 1981 May; 31(5):632–4
Topographic organization of monosynaptic reflexes in the cat spinal cord. Binder MD. **Neurosci Lett** 1980 Nov; 20(2):121–4
Inhibition of the monosynaptic responses in frog spinal motoneurons. Czéh G. **Neuroscience** 1979;4(7):951–64
Sleep, wakefulness and the monosynaptic reflex in fetal and newborn lambs. Ioffe S, et al. **Pfluegers Arch** 1980 Nov; 388(2):149–57
Descriptive studies of H-reflex recovery curves in psychiatric patients. Metz J, et al. **Psychol Med** 1980 Aug; 10(3):541–8
[Our experience with the uses of the monosynaptic (Hoffman's) reflex in paediatric neurology (author's transl)] Lehovský M, et al. **Cas Lek Cesk** 1981 Mar 5;120(9):256–60 (Eng. Abstr.) **(Cze)**
[The rate of H-reflex conduction in the leg in potential polyneuropathy] Lukáš E. **Cesk Neurol Neurochir** 1980 Jul; 43(4):263–9 (Eng. Abstr.) **(Cze)**
[Excitability cycle of the Hoffmann reflex of the soleus in a constant pool of motoneurons. Changes in man as a function of age] Georgesco M, et al. **C R Soc Biol (Paris)** 1980;174(5):804–8 (Eng. Abstr.) **(Fre)**
[Contribution of Hoffmann's reflex, evoked on the soleus muscle, to the study of nerve conduction velocity from birth to age 5] Vecchierini-Blineau MF, et al. **Electrodiagn Ther** 1979;16(1):23–31 (Eng. Abstr.) **(Fre)**
[Characteristics of presynaptic inhibition of monosynaptic spinal cord reflexes after removal of the anterior lobe of the cerebellum] Dontsova ZS, et al. **Neirofiziologiia** 1980; 12(4):429–31 (Eng. Abstr.) **(Rus)**
[Effect of stimulation of the locus coeruleus and adjacent portions of the brain stem on inhibition of segmental reflexes] Iakhnitsa IA, et al. **Neirofiziologiia** 1980; 12(6):646–9 (Eng. Abstr.) **(Rus)**
[Changes in segmental reflexes upon stimulation of the locus coeruleus of the brain stem and potentiation of catecholamine action] Iakhnitsa IA. **Neirofiziologiia** 1981; 13(1):39–47 (Eng. Abstr.) **(Rus)**
[Presynaptic inhibition in the rat spinal cord in ontogeny and its relationship to depression of monosynaptic reflexes] Sviderskaia GE, et al. **Zh Evol Biokhim Fiziol** 1980 Nov–Dec;16(6):562–7 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Modulation of cat monosynaptic reflexes by substance P. Krivoy WA, et al. **Brain Res** 1980 Dec 8;202(2):365–72
Des-tyrosine-gamma-endorphin: H-reflex response similar to neuroleptics. Metz J, et al. **Life Sci** 1981 May 4; 28(18):2003–8
The effect of diazepam on the spinal monosynaptic (H-) reflex in man. Crayton JW. **Neuropharmacology** 1980 Sep; 19(9):915–8
Non-serotonergic depression of spinal monosynaptic reflex transmission by 5-hydroxytryptophan. Hall ED. **Neuropharmacology** 1981 Feb;20(2):109–14
Cannabinoid-induced enhancement and depression of cat monosynaptic reflexes. Tramposch A, et al. **Neuropharmacology** 1981 Jun;20(6):617–21
Glucocorticoid effects on serotonergic and noradrenergic facilitation of spinal monosynaptic transmission. Hall ED. **Psychiatry Res** 1980 Jul;2(3):241–50
[Depolarization of primary afferents and presynaptic inhibition of monosynaptic reflexes] Ruchinskaia TIu, et al. **Biull Eksp Biol Med** 1980 Sep;90(9):260–2 (Eng. Abstr.) **(Rus)**

REFLEX, OCULOCARDIAC see under **REFLEX**

REFLEX, PSYCHOGALVANIC see **GALVANIC SKIN RESPONSE**

REFLEX, PUPILLARY

The pupil in cavernous sinus aneurysm. Boghen D. **Ann Neurol** 1980 Aug;8(2):202–3
Contraction anisocoria: nasal versus temporal illumination. Smith SA, et al. **Br J Ophthalmol** 1980 Dec;64(12):933–4
The response of rabbit ciliary nerve to luminance intensity. Inoue T. **Brain Res** 1980 Nov 10;201(1):206–9
Habituation of the vestibulo-ocular reflex (VOR) in the monkey during sinusoidal rotation in the dark. Jäger J, et al. **Exp Brain Res** 1981;41(2):108–14
Pupillometric studies of alcoholism. Rubin LS. **Int J Neurosci** 1980;11(4):301–8
Unilateral pupillary dilatation during focal seizures. Gadoth N, et al. **J Neurol** 1981;225(3):227–30
Diagnostic value of objective campimetry. Trimarchi F, et al. **J Neurol** 1981;225(3):167–73
Ophthalmoplegia, ptosis, and miosis in temporal arteritis. Dimant J, et al. **Neurology (NY)** 1980 Oct;30(10):1054–8
The pupil in familial dysautonomia. Korczyn AD, et al. **Neurology (NY)** 1981 May;31(5):628–9
A response to Nicholas F. Skinner's 'The Hess, et al. study of pupillary activity in heterosexual and homosexual males: a re-evaluation'. Hess EH, et al. **Percept Mot Skills** 1980 Dec;51(3 Pt 1):845–6
Pupillary activity and male sexuality: reply to Hess and Petrovich. Skinner NF. **Percept Mot Skills** 1980 Dec;51(3 Pt 1):897–8
The Hess et al. study of pupillary activity in heterosexual and homosexual males: a re-evaluation. Skinner NF. **Percept Mot Skills** 1980 Dec;51(3 Pt 1):844
Pupillary response to auditory versus visual mental loading: a pilot study using super 8-mm photography. Taylor JS. **Percept Mot Skills** 1981 Apr;51(2):425–6
Dynamic pupillary response to positive differential of light stimulus. Sun FC, et al. **Sci Sin** 1981 Jun;24(6):872–84
Pupillary light reflex in humans: evidence for an unbalanced pathway from nasal retina, and for signal cancellation in brainstem. Wyatt HJ, et al. **Vision Res** 1981;21(4):513–25
[Neuro-ophthalmological signs in coma. II. Palpebral and pupillary functions] Safran AB. **Schweiz Arch Neurol Neurochir Psychiatr** 1980; 126(1):51–76 **(Fre)**
[Disturbances of the pupil reflex associated with homonymous hemianopic paracentral scotoma (author's transl)] Reuther R, et al. **Arch Psychiatr Nervenkr** 1981; 229(3):259–66 (Eng. Abstr.) **(Ger)**
[Disturbances of the pupil reflex associated with cerebral infarction in the posterior cerebral artery territory (author's transl)] Reuther R, et al. **Arch Psychiatr Nervenkr** 1981; 229(3):249–57 (Eng. Abstr.) **(Ger)**
[Habituation of the human orbicularis oculi reflex] Malin JP, et al. **EEG EMG** 1980 Sep;11(3):111–8 (Eng. Abstr.) **(Ger)**
[Pupillary dynamics in Parkinson disease--a preliminary report (author's transl)] Hashimoto T, et al. **Nippon Ganka Gakkai Zasshi** 1981 May 10;85(5):373–80 (Eng. Abstr.) **(Jpn)**
[Studies of frequency response characteristics on pupillary light reflex (author's transl)] Kase M, et al. **Nippon Ganka Gakkai Zasshi** 1980 Oct 10;84(10):1612–8 (Eng. Abstr.) **(Jpn)**
[Pupillographic perimetry--retinal characteristics of human and pigmented rabbit's eye (author's transl)] Kawai K. **Nippon Ganka Gakkai Zasshi** 1981 May 10;85(5):385–91 (Eng. Abstr.) **(Jpn)**
[Afferent pupiliary defect in pupillary light reflex. I. A preliminary report (author's transl)] Sugasawa J, et al. **Nippon Ganka Gakkai Zasshi** 1981 May 10;85(5):363–72 (Eng. Abstr.) **(Jpn)**
[Studies on electrically evoked pupillary reaction. I. Indirect electrical reaction and its frequency characteristic (author's transl)] Tanino T, et al. **Nippon Ganka Gakkai Zasshi** 1981 May 10;85(5):397–402 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Miosis from echothiophate in patients with total oculomotor nerve paralysis from intracranial abnormalities. Mindel JS. **Am J Ophthalmol** 1981 Mar;91(3):373–80
Infrared photographic measurement of pupillary effects of

dichlorvos in Beagles. Wagstaff DJ, et al. **Am J Vet Res** 1980 Jun;41(6):958–9

Cholinergic nervous system and immediate hypersensitivity. II. An analysis of pupillary responses. Smith LJ, et al. **J Allergy Clin Immunol** 1980 Nov;66(5):374–8

Bilateral skin conductance and the pupillary light–dark reflex: manipulation by chlorpromazine, haloperidol, scopolamine, and placebo. Patterson T, et al. **Psychopharmacology (Berlin)** 1981;73(1):63–9

[Ophthalmoneurology. IV. The pupillary reflex and its disorders. 3. Pharmacology of the pupil] Rintelen F. **Med Welt** 1981 May 8;32(19):726–7 **(Ger)**

REFLEX SYMPATHETIC DYSTROPHY

see related
SHOULDER–HAND SYNDROME
SUDECK'S ATROPHY

Diffuse reflex sympathetic dystrophy. Bentley JB, et al. **Anesthesiology** 1980 Sep;53(3):256–7

[Post-traumatic reflex dystrophy] Christensen K, et al. **Ugeskr Laeger** 1980 Sep 1;142(36):2323–5 (Eng. Abstr.) **(Dan)**

COMPLICATIONS

[Metaphyseal osteolysis. Unusual aspect of reflex algodystrophy in children (author's transl)] Bétend B, et al. **Arch Fr Pediatr** 1981 Feb;38(2):121–3 (Eng. Abstr.) **(Fre)**

[Association of severe algodystrophy and primary hyperparathyroidism] Laroche C, et al. **Rev Med Interne** 1980;1(1):91–2 **(Fre)**

DIAGNOSIS

The reflex sympathetic dystrophy syndrome (RSDS). III. Scintigraphic studies, further evidence for the therapeutic efficacy of systemic corticosteroids, and proposed diagnostic criteria. Kozin F, et al. **Am J Med** 1981 Jan; 70(1):23–30

Ulnar artery occlusion simulating reflex sympathetic dystrophy. Spielman FJ, et al. **Anesthesiology** 1981 Apr; 54(4):343–5

Thermography and electromyography in the differential diagnosis of chronic pain syndromes and reflex sympathetic dystrophy. Uematsu S, et al. **Electromyogr Clin Neurophysiol** 1981 Feb–Mar; 21(2–3):165–82

A review of reflex sympathetic dystrophy. Julsrud ME. **J Am Podiatry Assoc** 1980 Oct;70(10):512–6

[Foot algodystrophy with hypofixation diagnosed by bone scan with technetium 99m pyrophosphates (letter)] Doury P, et al. **Nouv Presse Med** 1980 Nov 8;9(42):3189 **(Fre)**

[Reflex sympathetic dystrophy and chondromalacia of the patella] Hungerford DS. **Rev Chir Orthop** 1980 Jun; 66(4):259–61 **(Fre)**

DRUG THERAPY

Reflex sympathetic dystrophy syndrome [letter] Gould JS. **Ala J Med Sci** 1980 Apr;17(2):121–2

Intra-arterial reserpine [letter] **Anesth Analg (Cleve)** 1980 Nov;59(11):889–90

[Treatment off reflex sympathetic dystrophy by calcitonine (author's transl)] Williame E. **Rev Med Brux** 1980 Sep; 1(7):457–61 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Reflex sympathetic dystrophy syndrome complicating polymyalgia rheumatica [letter] Wysenbeek AJ, et al. **Arthritis Rheum** 1981 Jun;24(6):863–4

Reflex sympathetic dystrophy of the lower extremity: a complication of herpes zoster with dramatic response to propranolol. Visitsunthorn U, et al. **West J Med** 1981 Jul; 135(1):62–6

[Sympathetic reflex algodystrophy of the hand (author's transl)] Ballester Peris J. **Ann Chir** 1980 Nov;34(9):747–53 (Eng. Abstr.) **(Fre)**

PATHOLOGY

[Histopathology of bone and cartilage lesions in reflex sympathetic dystrophy of the knee. Apropos of 16 cases] Arlet J, et al. **Rev Rhum Mal Osteoartic** 1981 Apr; 48(4):315–21 (Eng. Abstr.) **(Fre)**

[Algodystrophy, osteonecrosis. Histological similarity. Apropos of 2 cases] May V, et al. **Rev Rhum Mal Osteoartic** 1981 Mar;48(3):281–4 **(Fre)**

RADIOGRAPHY

Disappearance of chondrocalcinosis following reflex sympathetic dystrophy syndrome [letter] Fam AG, et al. **Arthritis Rheum** 1981 May;24(5):747–9

Painful hand. ? **NY State J Med** 1980 Sep;80(10):1595

[Infra-radiographic decalcifying algodystrophy of the lower limb] Lequesne M, et al. **Rev Rhum Mal Osteoartic** 1981 May;48(5):423–30 (Eng. Abstr.) **(Fre)**

[Algoneurodystrophy: 9 cases] Chaouche A, et al. **Tunis Med** 1980 Jan–Apr;58(1–2):448–51 (Eng. Abstr.) **(Fre)**

RADIONUCLIDE IMAGING

Bone scintigraphy in the reflex sympathetic dystrophy syndrome. Kozin F, et al. **Radiology** 1981 Feb; 138(2):437–43

REHABILITATION

Behavioral treatment of reflex sympathetic dystrophy. Alioto JT. **Psychosomatics** 1981 Jun;22(6):539–40

THERAPY

[Post-traumatic reflex dystrophy. Conservative treatment with connective tissue massage and exercise] Solheim LF, et al. **Tidsskr Nor Laegeforen** 1980 Sep 10;100(25):1497–9, 1511 (Eng. Abstr.) **(Nor)**

REFLEX, TENDON

Technique for facilitating tendon reflexes in children [letter] Brett E. **Arch Dis Child** 1980 Jul;55(7):577

Jendrassik maneuver vs controlled contractions conditioning the excitability of soleus monosynaptic reflexes. Delwaide PJ, et al. **Arch Phys Med Rehabil** 1980 Nov;61(11):505–10

Reflex facilitation by remote contraction: topographic aspects. Toulouse P, et al. **Arch Phys Med Rehabil** 1980 Nov;61(11):511–6

Systolic time intervals and ankle reflex time in patients with minimal serum TSH elevation: response to triiodothyronine therapy. Ooi TC, et al. **Clin Endocrinol (Oxf)** 1980 Dec; 13(6):621–7

Comparison of monosynaptic tendon reflexes during preparation for ballistic or ramp movement. Bonnet M. **Electroencephalogr Clin Neurophysiol** 1981 Apr; 51(4):353–62

The effect of exercise, thyroid status and insulin-induced hypoglycaemia on the Achilles tendon reflex time in man. Ballantyne GH, et al. **Eur J Applied Physiol** 1981; 46(1):77–83

Depression of the Achilles' reflex during daytime sleep in newborn infants. Vakhrameeva IA, et al. **Hum Physiol** 1980 Sep–Oct;6(5):359–66

The Golgi tendon organ. Properties of the receptor and reflex action of impulses arising from tendon organs. Proske U. **Int Rev Physiol** 1981;25:127–71

Response to sudden torques about ankle in man. III. Suppression of stretch-evoked responses during phasic contraction. Gottlieb GL, et al. **J Neurophysiol** 1980 Aug; 44(2):233–46

Response of soleus Ia afferents to vibration in the presence of the tonic vibration reflex in the decerebrate cat. Clark FJ, et al. **J Physiol (Lond)** 1981 Feb;311:97–112

Evidence that the human jaw stretch reflex increases the resistance of the mandible to small displacements. Cooker HS, et al. **J Physiol (Lond)** 1980 Nov;308:61–78

Interaction between pre-activity and stretch reflex in human triceps brachii during landing from forward falls. Dietz V, et al. **J Physiol (Lond)** 1981 Feb;311:113–25

Brisk reflexes in the limbs of patients with arteriovenous fistulae. Venables GS, et al. **Lancet** 1981 Jan 17;1(8212):143

The flexion reflex as a diagnostic tool. Pool GM. **Paraplegia** 1980 Dec;18(6):392–4

The curious 'tibialis posterior' tendon reflex. Grieve GP. **Physiotherapy** 1980 Jun;66(6):192

Input–output relationship in spinal motoneurons in the stretch reflex. Homma S, et al. **Prog Brain Res** 1979;50:37–43

New observations on neuronal organization of reflexes from tendon organ afferents and their relation to reflexes evoked from muscle spindle afferents. Jankowska E. **Prog Brain Res** 1979;50:29–36

Event-related slow potentials during a reflex movement (ankle jerk) conditioning in wakefulness and NREM sleep. Ragazzoni A, et al. **Prog Brain Res** 1980;54:349–58

[Patients with thyrotoxicosis. Changes in the systolic time interval, the Q–Kd interval, and the Achilles tendon reflex time] Ceňková V, et al. **Cas Lek Cesk** 1980 Oct; 119(43–44):1156–64 (Eng. Abstr.) **(Cze)**

[Patients with thyropathies—relationship between triiodothyronine, thyroxin and systolic time intervals, the Q–Kd interval and the course of the Achilles tendon reflex (author's transl)] Ceňková V, et al. **Cas Lek Cesk** 1980 Nov 14;119(46):1242–7 (Eng. Abstr.) **(Cze)**

[Instant evaluation of thyroid function using peripheral indicators in various combinations. Hierarchy of their reliability in untreated patients] Váňa S, et al. **Vnitr Lek** 1981 May;27(5):449–56 (Eng. Abstr.) **(Cze)**

[An approach to the quantitative estimation of the Achilles tendon reflex using an accelerometer (author's transl)] Hashimoto R, et al. **Iyodenshi To Seitai Kogaku** 1980 Aug; 18(4):250–5 (Eng. Abstr.) **(Jpn)**

[Measurement of the silent period after Hoffmann's reaction as an indicator of the effect of exercise therapy on muscle spasticity in children with cerebral palsy] Nowotny J, et al. **Pol Tyg Lek** 1980 Nov 10;35(45):1741–3 (Eng. Abstr.) **(Pol)**

DRUG EFFECTS

[The effect of metipranolol on systolic time intervals, Q–Kd interval, and Achilles tendon reflex time in patients with thyrotoxicosis] Ceňková V, et al. **Vnitr Lek** 1980 Sep; 26(9):866–72 (Eng. Abstr.) **(Cze)**

REFLEXOTHERAPY

[Electro-acupuncture and trophic ulcer] Di Bernardo N, et al. **Minerva Med** 1980 Dec 22;71(51):3715–8 (Eng. Abstr.) **(Ita)**

[Experimental research on the effect of electro-acupuncture on reparative processes] Di Bernardo N, et al. **Minerva Med** 1980 Dec 22;71(51):3709–13 (Eng. Abstr.) **(Ita)**

[Acupuncture therapy of hypogalactia] Fava A, et al. **Minerva Med** 1980 Dec 22;71(51):3747–52 (Eng. Abstr.) **(Ita)**

[The importance of the metamere in the interpretation of the therapeutic results obtained with acupuncture. Elaboration of the dermatoneuromeric theory and critical comment] Milani L, et al. **Minerva Med** 1980 Dec 22; 71(51):3735–41 (Eng. Abstr.) **(Ita)**

[Evolution of experimental ulcers under treatment with electro-acupuncture] Ranuzzi De Bianchi V, et al. **Minerva Med** 1980 Dec 22;71(51):3719–22 **(Ita)**

[Validity of reflexo-anesthesia in the surgical field. Results in 105 clinical applications] Zanini F, et al. **Minerva Med** 1980 Dec 22;71(51):3723–7 **(Ita)**

[Recent acquisitions in reflexo-anesthesia] Zanini F. **Minerva Med** 1980 Dec 22;71(51):3729–34 (Eng. Abstr.) **(Ita)**

[Rehabilitation of infants and young children by neurophysiological methods] Tworzewski M, et al. **Pediatr Pol** 1981;56(1):41–8 (Eng. Abstr.) **(Pol)**

[Acupuncture reflexotherapy and its use in obstetrical and gynecological practice] Golubev VA, et al. **Akush Ginekol (Mosk)** 1980 Nov;(11):3–6 (55 ref.) **(Rus)**

[Acupuncture reflexotherapy of late pregnancy toxicosis] Zharkin AF, et al. **Akush Ginekol (Mosk)** 1981 Mar; (3):48–50 **(Rus)**

[Regional anesthesia by conduction anesthesia and reflexotherapy technics in the acute readaptation period following antiorthostatic hypokinesia] Stazhadze LL, et al. **Kosm Biol Aviakosm Med** 1981 Jan–Feb;15(1):57–60 (Eng. Abstr.) **(Rus)**

[Acupuncture reflexotherapy in functional dysphonias] Ploshchanskiĭ SL. **Vestn Otorinolaringol** 1980 Sep–Oct; (5):69–70 (Eng. Abstr.) **(Rus)**

[Reflexotherapy of patients with hypertension in the biotron] Iaroshenko VT, et al. **Vrach Delo** 1980 Nov;(11):47–8 (Eng. Abstr.) **(Rus)**

[Electromyographic characteristics of the effectiveness of puncture reflexotherapy in vertebral osteochondrosis with neurologic syndromes] Nikolaev NA. **Zh Nevropatol Psikhiatr** 1980;80(8):1139–43 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

[Complications of reflexotherapy (review of the literature)] Asnes SV, et al. **Vrach Delo** 1980 Dec;(12):91–4 (42 ref.) **(Rus)**

HISTORY

[Wilhelm Fliess and the nasal reflex neurosis] Wentges RT. **Ned Tijdschr Geneeskd** 1981 Feb 14;125(7):278–84 **(Dut)**

METHODS

[The effect of reflexotherapy on complaints after cholecystectomy] Spěvák B, et al. **Fysiatr Reumatol Vestn** 1981 Jun;59(3):172–6 (Eng. Abstr.) **(Cze)**

[Use of reflexotherapy for treating endocrine forms of sterility] Grishchenko VI, et al. **Akush Ginekol (Mosk)** 1981 Feb;(2):28–31 (Eng. Abstr.) **(Rus)**

[Reflexotherapy of pelvic autonomic ganglioneuritis] Zharkin AF, et al. **Akush Ginekol (Mosk)** 1980 Sep;(9):36–8 (Eng. Abstr.) **(Rus)**

[Use of reflexotherapy for analgesia of the 1st period of labor] Koraeva LV, et al. **Anesteziol Reanimatol** 1980 Nov–Dec; (6):46–8 (Eng. Abstr.) **(Rus)**

[Use of acupuncture reflexotherapy in intestinal obstruction] Spitsyna OB, et al. **Klin Khir** 1981 Apr;(4):50–1 (Eng. Abstr.) **(Rus)**

[Reflexotherapy in treating asthma patients taking hormonal preparations] Osipova NN, et al. **Sov Med** 1981;(3):57–61 (Eng. Abstr.) **(Rus)**

[Use of a reflex acupuncture therapy method in the practical treatment of dermatologic patients] Denisiuk AB, et al. **Vrach Delo** 1980 Jul;(7):95 **(Rus)**

[Methods of controlling the action of reflexotherapy] Macheret EL, et al. **Vrach Delo** 1981 Feb;(2):96–9 (Eng. Abstr.) **(Rus)**

REFRACTION, OCULAR

Refraction, nearwork and education. A population study in Newfoundland. Richler A, et al. **Acta Ophthalmol (Copenh)** 1980 Jun;58(3):468–78

Cycloplegic refractions in infants and young children. Fulton AB, et al. **Am J Ophthalmol** 1980 Aug;90(2):239–47

The optics of vitreous surgery. Landers MB 3d, et al. **Am J Ophthalmol** 1981 May;91(5):611–4

Refractive power of premature children at infancy and early childhood. Shapiro A, et al. **Am J Ophthalmol** 1980 Aug; 90(2):234–8

Prismatic effects of spherical ophthalmic lenses. Atchison

DA, et al. **Am J Optom Physiol Opt** 1980 Nov; 57(11):779–90

The range of zero-associated phoria in an asymptomatic clinical population. Godio LB, et al. **Am J Optom Physiol Opt** 1981 Jun;58(6):445–50

Critical base curve and diameter interval in the fitting of spherical soft contact lenses. Lowther GE, et al. **Am J Optom Physiol Opt** 1981 May;58(5):355–60

Ophthalmometry without patient fixation. Gruenberg P, et al. **Ann Ophthalmol** 1981 Apr;13(4):419–20

A note on a possible relation between refraction and a disposition for senile nuclear cataract. Weale R. **Br J Ophthalmol** 1980 May;64(5):311–4

The effectiveness of a retinoscope beam as an accommodative stimulus. Owens DA, et al. **Invest Ophthalmol Vis Sci** 1980 Aug;19(8):942–9

A new intraocular lens calculation formula. Retzlaff J. **J Am Intraocul Implant Soc** 1980 Apr;6(2):148–52

Depth of focus, eye size and visual acuity. Green DG, et al. **Vision Res** 1980;20(10):827–35

[Statistical analysis of anterior corneal radius of curvature and its refractive power and study on physiological corneal astigmatism (author's transl)] Feng BH. **Chung Hua Yen Ko Tsa Chih** 1980;16(1):14–9 **(Chi)**

[Graphic analysis of combined lenses (author's transl)] Tang PC. **Chung Hua Yen Ko Tsa Chih** 1979;15(4):271–3 **(Chi)**

[Dynamic retinoscopy as viewed from differences between results of manifest refraction and the post-cycloplegic test (author's transl)] Xu BC. **Chung Hua Yen Ko Tsa Chih** 1979;15(4):266–70 **(Chi)**

[Emmetropic eye – an ultrasonographic study. I. Historical development and present state of ultrasonic ocular biometry (author's transl)] Beránek J. **Cesk Oftalmol** 1981 May;37(3):169–72 (Eng. Abstr.) **(Cze)**

[Retinoscopy under cycloplegic and non-cycloplegic conditions in children comparison of measurements of three examiners (author's transl)] Bujara K, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 216(4):339–43 (Eng. Abstr.) **(Ger)**

[Improved objective measurement of refraction with the aid of visual evoked potentials (VEP) (author's transl)] Murr G, et al. **Biomed Tech (Berlin)** 1980 Jul–Aug;25(7–8):182–6 (Eng. Abstr.) **(Ger)**

[Liindner's method of cylinder retinoscopy without theory] Hruby K. **Klin Monatsbl Augenheilkd** 1980 Jan;176(1):3–8 (Eng. Abstr.) **(Ger)**

[Experimental study of changes in refraction produced after retinal detachment surgery (author's transl)] Baba Y. **Nippon Ganka Gakkai Zasshi** 1980 Oct 10;84(10):1691–701 (Eng. Abstr.) **(Jpn)**

[Distribution by refraction and age of flap tear type retinal detachment (author's transl)] Ogino N. **Nippon Ganka Gakkai Zasshi** 1980 Nov 10;84(11):2024–6 (Eng. Abstr.) **(Jpn)**

[Sex distribution of patients affected by retinal detachment. Its relation to refraction and age (author's transl)] Ogino N. **Nippon Ganka Gakkai Zasshi** 1980 Nov 10;84(11):2031–5 (Eng. Abstr.) **(Jpn)**

[Refraction and age distribution of hole type retinal detachment (author's transl)] Ogino N. **Nippon Ganka Gakkai Zasshi** 1980 Nov 10;84(11):2027–30 (Eng. Abstr.) **(Jpn)**

[The ultrasonic measurement of the axial length of the eye. 1. The correlation between the refraction and the axial length of the eye (author's transl)] Okamoto H. **Nippon Ganka Gakkai Zasshi** 1980 Oct 10;84(10):1702–7 (Eng. Abstr.) **(Jpn)**

[Computerized refractometry in child aged 1 year and 6 months; 1st case described in the literature] Olteanu M, et al. **Rev Chir [Oftalmol]** 1981 Jan–Mar;25(1):63–4 **(Rum)**

[Refraction. The state of relative accommodation and fusion reserves in pseudomyopia] Adigezalova-Polchaeva KA, et al. **Oftalmol Zh** 1981;36(2):88–90 (Eng. Abstr.) **(Rus)**

[Typical errors of skiascopy] Sergienko NM. **Oftalmol Zh** 1980;35(6):369–71 **(Rus)**

[Interlamellar refraction keratoplasty in aphakia, hypermetropia and myopia] Beliaev VS, et al. **Vestn Oftalmol** 1980 Sep–Oct;(5):28–35 (Eng. Abstr.) **(Rus)**

METHODS

An algorithm for computing astigmatic refractive errors from ocular parameters. Erickson P. **Am J Optom Physiol Opt** 1981 Feb;58(2):155–8

An easier method to obtain the sphere, cylinder, and axis from an off-axis dioptric power matrix. Keating MP. **Am J Optom Physiol Opt** 1980 Oct;57(10):734–7

On the artifact of retinoscopy and chromatic aberration. Millodot M, et al. **Am J Optom Physiol Opt** 1980 Nov; 57(11):822–4

The distribution of refraction in three isolated communities in Western Newfoundland. Richler A, et al. **Am J Optom Physiol Opt** 1980 Nov;57(11):861–71

REFRACTIVE ERRORS

CHEMICALLY INDUCED

Explained unexplained anisocoria. Delaney WV Jr. **JAMA** 1980 Sep 26;244(13):1475

COMPLICATIONS

Senile macular degeneration and risk factors: a case–control study. Maltzman BA, et al. **Ann Ophthalmol** 1979 Aug; 11(8):1197–1201

[Ametropia and occupations in Building and Public Works] Lumbroso P, et al. **Bull Soc Ophtalmol Fr** 1980 Aug–Sep; 80(8–9):731–4 **(Fre)**

CONGENITAL

The eyes of young chickens grow toward emmetropia. Wallman J, et al. **Invest Ophthalmol Vis Sci** 1981 Apr; 20(4):557–61

DIAGNOSIS

Photographic screening for strabismus and high refractive errors of children aged 1–4 years. Kaakinen K. **Acta Ophthalmol (Copenh)** 1981 Feb;59(1):38–44

Cycloplegic refractions of premature infants. Dobson V, et al. **Am J Ophthalmol** 1981 Apr;91(4):490–5

Biometry of 7,500 cataractous eyes. Hoffer KJ. **Am J Ophthalmol** 1980 Sep;90(3):360–8

Refractive power of premature children at infancy and early childhood. Shapiro A, et al. **Am J Ophthalmol** 1980 Aug; 90(2):234–8

On the artifact of retinoscopy and chromatic aberration. Millodot M, et al. **Am J Optom Physiol Opt** 1980 Nov; 57(11):822–4

Common ocular diseases in children. Vázquez Botet R. **Bol Asoc Med PR** 1981 Feb;73(2):66–72

The effectiveness of a retinoscope beam as an accommodative stimulus. Owens DA, et al. **Invest Ophthalmol Vis Sci** 1980 Aug;19(8):942–9

Use of contact lenses in infants and children. Levinson A. **Metab Pediatr Ophthalmol** 1980;4(3):145–6

[Dynamic retinoscopy as viewed from differences between results of manifest refraction and the post-cycloplegic test (author's transl)] Xu BC. **Chung Hua Yen Ko Tsa Chih** 1979;15(4):266–70 **(Chi)**

[Prevention of amblyopia and strabismus in an outpatient department (author's transl)] Cerná D. **Cesk Oftalmol** 1981 May;37(3):192–6 (Eng. Abstr.) **(Cze)**

ETIOLOGY

Increase in rabbit corneal curvature by heated ring application. Gruenberg P, et al. **Ann Ophthalmol** 1981 Jan; 13(1):67–70

Postwear refractive changed. Rengstorff RH. **Int Ophthalmol Clin** 1981;21(2):85–93

Axial lengths and refractive errors in kittens reared with an optically induced anisometropia. Smith EL 3d, et al. **Invest Ophthalmol Vis Sci** 1980 Oct;19(10):1250–5

The physiologic effects of extended wear soft contact lenses. Binder PS. **Ophthalmology (Rochester)** 1980 Aug; 87(8):745–9

FAMILIAL & GENETIC

The Kenny syndrome, a rare type of growth deficiency with tubular stenosis, transient hypoparathyroidism and anomalies of refraction. Majewski F, et al. **Eur J Pediatr** 1981 Mar;136(1):21–30

OCCURRENCE

The distribution of refraction in three isolated communities in Western Newfoundland. Richler A, et al. **Am J Optom Physiol Opt** 1980 Nov;57(11):861–71

[Differences in the prevalence of refraction errors in children living in a polluted environment and in children living in a non-polluted environment (author's transl)] Bandych-Biniszkiewiczowa D, et al. **Klin Oczna** 1981; 83(3):169–70 (Eng. Abstr.) **(Pol)**

PATHOLOGY

The ratio of the size of the optic cup (as determined by the place where the vessels deviate) to size of the disc. Godio LB, et al. **Am J Optom Physiol Opt** 1981 May;58(5):367–71

PHYSIOPATHOLOGY

Contrast sensitivity in children with strabismic and anisometropic amblyopia. A study of the effect of treatment. Sjöstrand J. **Acta Ophthalmol (Copenh)** 1981 Feb; 59(1):25–34

Effect of refractive error in visual tests with sinusoidal gratings. Charman WN. **Br J Physiol Opt** 1979;33(2):10–20

Accommodation responses and refractive error. Maddock RJ, et al. **Invest Ophthalmol Vis Sci** 1981 Mar;20(3):387–91

Direction selectivity for perceived motion in strabismic and anisometropoic amblyopia. Schor CM, et al. **Invest Ophthalmol Vis Sci** 1980 Sep;19(9):1094–1104

PREVENTION & CONTROL

Posterior chamber implant power calculation: regression formulas. Retzlaff J. **J Am Intraocul Implant Soc** 1980 Jul; 6(3):268–70

Screening for refractive errors, strabismus and other ocular anomalies from ages 6 months to 3 years. Friedmann L, et al. **J Pediatr Ophthalmol Strabismus** 1980 Sep–Oct; 17(5):315–7

Minimizing refractive error after implantation of intraocular lens. Gills JP, et al. **South Med J** 1981 Apr;74(4):419–20

[Effect of prophylactic ophthalmological examinations of pre-school children and early correction of refraction errors on the visual acuity in school children (author's transl)] Jakubowska-Pakułowa D, et al. **Klin Oczna** 1980 Sep;82(9):453–4 (Eng. Abstr.) **(Pol)**

PSYCHOLOGY

Independence of radial localization from refractive error. Post RB, et al. **J Opt Soc Am** 1980 Nov;70(11):1377–9

SURGERY

Keratophakia and keratomileusis. Werblin TP, et al. **Metab Pediatr Ophthalmol** 1981;5(1):13–5

THERAPY

Working distance comparison of plus lenses and reading telescopes. Krefman RA. **Am J Optom Physiol Opt** 1980 Nov;57(11):835–8

Behavior modification in vision training: facilitating prerequisite behaviors and visual skills. Feldman J. **J Am Optom Assoc** 1981 Apr;52(4):329–40

An evaluation of orthokeratology. Binder PS, et al. **Ophthalmology (Rochester)** 1980 Aug;87(8):729–44

[Late results of therapeutic health-promoting measures for children with ametropia at a specialized Pioneers camp] Kovalevskiĭ EI, et al. **Oftalmol Zh** 1981;36(2):125–7 **(Rus)**

REFRACTIVE INDEX see **REFRACTOMETRY**

REFRACTOMETRY

The sizing of fibres using optical scattering. Somerford DJ, et al. **IARC Sci Publ** 1980;1(30):97–104

Multiple refractive index in float glass. Underhill M. **J Forensic Sci Soc** 1980 Jul;20(3):169–76

Crystalline lens dispersion. Palmer DA, et al. **J Opt Soc Am** 1981 Jun;71(6):780–2

Use of the refractive index to measure the adequacy of glycerol removal from previously frozen erythrocytes. Umlas J, et al. **Transfusion** 1980 Nov–Dec;20(6):720–4

Estimation of bovine colostral immunoglobulins by refractometry. Molla A. **Vet Rec** 1980 Jul 12;107(2):35–6

INSTRUMENTATION

[Design, construction and clinical use of hand-refractometer (author's transl)] Chi MS. **Chung Hua Yen Ko Tsa Chih** 1979;15(1):33–7 **(Chi)**

METHODS

A method for determining the mean value of refractive errors. Sauders H. **Br J Physiol Opt** 1980;34:1–11

REFRACTORY PERIOD, NEUROLOGIC see under **NEURAL CONDUCTION**

REFRACTORY PERIOD, PSYCHOLOGICAL see under **REACTION TIME**

REFRIGERATION

see related
HYPOTHERMIA, INDUCED

The characteristics of the microclimatic conditions in the working space of a fish cold storage plant in respect of working hygiene. Tymański S. **Bull Inst Marit Trop Med Gdynia** 1980;31(1–2):49–59

Human milk banking. Effect of refrigeration on cellular components. Pittard WB 3d, et al. **Clin Pediatr (Phila)** 1981 Jan;20(1):31–3

The effects of short-term preservation on microvascular free groin flaps in rats. Ballantyne DL, et al. **J Microsurg** 1980 Dec;2(2):101–5

[Conservation of the functional capacity of the isolated liver during its hypothermic perfusion with eryhem: experimental study] Margulis MS, et al. **Vestn Khir** 1980 Jun;124(6):46–51 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

The mystery of the frozen M-K medium. McGee J, et al. **Ophthalmic Surg** 1980 Sep;11(9):609–10

INSTRUMENTATION

[Hygienic evaluation of polymeric thermal insulating structures for refrigeration installations] Velikaia NV. **Vrach Delo** 1980 Jul;(7):96–8 **(Rus)**

REFSUM'S SYNDROME

DIET THERAPY

Heredopathia atactica polyneuritiformis (Refsum's disease): 2. Estimation of phytanic acid in foods. Masters-Thomas A, et al. **J Hum Nutr** 1980 Aug;34(4):251–4

Heredopathia atactica polyneuritiformis (Refsum's disease): 1. Clinical features and dietary management. Masters-Thomas A, et al. **J Hum Nutr** 1980 Aug; 34(4):245–50

PATHOLOGY

[Refsum syndrome, heredopathia atactica polyneuritiformis in the view of the otolaryngologist (author's transl)] Feldmann H. **Laryngol Rhinol Otol (Stuttg)** 1981 May; 60(5):235–40 **(Ger)**

PHYSIOPATHOLOGY

Renal involvement in Refsum's disease. Pabico RC, et al. **Am J Med** 1981 May;70(5):1136–43

THERAPY

Therapeutic trial of plasmapheresis in Refsum disease and in Fabry disease. Moser HW, et al. **Birth Defects** 1980; 16(1):491–7

REFUGEES

'Teach a man to fish' (Chinese proverb). Sumpter EA. **Am J Dis Child** 1980 Nov;134(11):1025–7

Southeast Asian refugees: life in a camp. Floriani CM. **Am J Nurs** 1980 Nov;80(11):2028–30

Southest Asian refugees: life in America. Gordon VC, et al. **Am J Nurs** 1980 Nov;80(11):2031–6

Nutritional status of Southeast Asian refugee children. Peck RE, et al. **Am J Public Health** 1981 Oct;71(10):1144–8

Cuban refugees. Pharmacists mobilized for support. Cohn JP. **Am Pharm** 1980 Aug;20(8):42–4

Perspective from Khao-I-Dang refugee camp. Buist NR. **Br Med J** 1980 Jul 5;281(6232):36–7

Tuberculosis among Vietnamese refugees [letter] Buisseret P. **Br Med J [Clin Res]** 1981 Apr 18;282(6272):1314–5

Dealing with Vietnamese refugees. Our plans. Phillips SJ, et al. **Br Med J [Clin Res]** 1981 Feb 14;282(6263):525–7

Dealing with Vietnamese refugees. What we found. Phillips SJ, et al. **Br Med J [Clin Res]** 1981 Feb 21;282(6264):613–6

A diarrheal diseases control program among Nicaraguan refugee children in Campo Luna, Honduras. Isaza P, et al. **Bull Pan Am Health Organ** 1980;14(4):337–42

The Haitian and Cuban refugees: dealing with imported disease. Korcok M. **Can Med Assoc J** 1980 Aug 9; 123(3):213–5, 218–20

Malaria in Vietnamese refugees [letter] Schwartz ML. **Can Med Assoc J** 1980 Nov 22;123(10):968, 971

Pulmonary paragonimiasis in a recent refugee from Southeast Asia. Hart WE. **Conn Med** 1980 Sep;44(9):547–8

Volunteers ease suffering in Thailand hospital. DeWitt C. **Hospitals** 1981 Mar 16;55(6):104–5

Practical evaluation of a pilot immunization campaign against typhoid fever in a Cambodian refugee camp. Bollag U. **Int J Epidemiol** 1980 Jun;9(2):121–2

Dentistry and the issue of hepatitis B. Shields WB. **J Am Dent Assoc** 1981 Feb;102(2):180–2

Intestinal parasites among Indochinese refugees and Mexican immigrants resettled in Contra Costa County, California. Arfaa F. **J Fam Pract** 1981 Feb;12(2):223–6

Genetic diseases among Kampuchean refugees [letter] Buist NR. **J Med Assoc Thai** 1981 Jan;64(1):51

Viral hepatitis in southeast Asian refugees. Skinhøj P, et al. **J Med Virol** 1981;7(2):149–55

School health screening of Indochinese refugee children. Pickwell SM. **J Sch Health** 1981 Feb;51(2):102–5

Imported measles. A potential control problem. Frank JA Jr, et al. **JAMA** 1981 Jan 16;245(3):264–6

Practicing medicine on the edge of purgatory [news] González ER. **JAMA** 1980 Sep 12;244(11):1180–3

Immunization of Indochinese refugees [letter] Goodman RA, et al. **JAMA** 1980 Nov 7;244(18):2046

Refugees in Thailand and short-term medical aid. Smilkstein G. **JAMA** 1981 Mar 13;245(10):1052–4

Care of Cambodian refugees [news] Walker PF. **JAMA** 1980 Sep 12;244(11):1193–4

Intestinal parasites in Southeast-Asian refugees. Prevalence in a community of Laotians. Wiesenthal AM, et al. **JAMA** 1980 Dec 5;244(22):2543–4

Vietnamese refugee health status in Hong Kong [letter] Arnold K, et al. **Lancet** 1980 Aug 30;2(8192):475–6

Resistance of Plasmodium falciparum malaria to sulfadoxine-pyrimethamine ('Fansidar') in a refugee camp in Thailand. Hurwitz ES, et al. **Lancet** 1981 May 16; 1(8229):1068–70

Health of Vietnamese refugees in Hong Kong [letter] Lai SS. **Lancet** 1980 Dec 13;2(8207):1308–9

Vietnamese refugees in Adelaide: an obstetric analysis. Ward BG, et al. **Med J Aust** 1981 Jan 24;1(2):72–5

Hepatitis B, Indochinese refugees, and their importance for Michigan MDs. **Mich Med** 1980 Sep;79(26):478–80

Michigan's Indochinese refugees come from variety of cultural backgrounds. **Mich Med** 1980 Nov;79(32):575–8

Michigan department of social services ranks leading diagnoses among refugees. **Mich Med** 1981 Jan;80(2):15–6

Refugees' public health aspects. Reizen MS. **Mich Med** 1980 Nov;79(32):580

Malnutrition and its effects on human health; a primer. Sukhani S. **Mich Med** 1980 Sep;79(26):476

Michigan physician horrified by 'second holocaust' in Cambodia. Weiss RJ. **Mich Med** 1981 Jan;80(2):14

Drug resistance among Indochinese refugees with tuberculosis. **MMWR** 1981 Jun 12;30(22):273–5

Paragonimiasis in Hmong refugees--Minnesota. **MMWR** 1981 Apr 24;30(15):176, 181–2

Gonococcal infections among Indochinese refugees–Thailand. **MMWR** 1981 Jul 31;30(29):355–6, 361–2

Congenital malaria in children of refugees--Washington, Massachusetts, Kentucky. **MMWR** 1981 Feb 13;30(5):53–5

Follow-up on refugees--Somalia. **MMWR** 1981 Feb 27; 30(7):85–8

Special report. Working in a camp for Cambodian refugees. Levy BS. **N Engl J Med** 1981 Jun 4;304(23):1440–4

A health outreach to a refugee camp: perspectives for would-be volunteers. Olness K. **Pediatrics** 1981 Apr; 67(4):523–9

Socioeconomic status of Indochinese refugees in the United States: progress and problems. Marsh RE. **Soc Secur Bull** 1980 Oct;43(10):11–20

[Medical consequences of torture; a study of refugees in the Netherlands] Warmenhoven C, et al. **Ned Tijdschr Geneeskd** 1981 Jan 17;125(3):104–8 (Eng. Abstr.) **(Dut)**

[Imported diseases and medical check up–people coming back from tropical countries (author's transl)] Degrémont A. **Praxis** 1981 Jun 23;70(26):1171–3 **(Fre)**

[Refugee children from South East Asia. Québec experience] Rousseau C, et al. **Union Med Can** 1981 May;110(.):469–73 (Eng. Abstr.) **(Fre)**

[Worm infestation in refugees seeking asylum in 1980] Beringer T, et al. **Oeff Gesundheitswes** 1981 Apr; 43(4):195–7 **(Ger)**

[Contamination rats of foreign asylum applicants with hepatitis A and hepatitis b viruses] Blessing J, et al. **Oeff Gesundheitswes** 1981 Mar;43(3):148 **(Ger)**

[Health control of refugees from Indochina (author's transl)] von Colberg L. **Oeff Gesundheitswes** 1980 Dec; 42(12):967–71 (Eng. Abstr.) **(Ger)**

[Condition of the teeth of Vietnamese refugees] Selle G, et al. **ZWR** 1980 Jul;89(7):51–5 **(Ger)**

[Infection panorama among Vietnamese boat refugees] Castor B, et al. **Lakartidningen** 1981 Apr 15;78(16):1659–62 (Eng. Abstr.) **(Swe)**

[Medical care of boat refugees] Sallerfors B. **Lakartidningen** 1981 Apr 15;78(16):1663–4 (Eng. Abstr.) **(Swe)**

PSYCHOLOGY

An Indochinese refugee psychiatric clinic: culturally accepted treatment approaches. Kinzie JD, et al. **Am J Psychiatry** 1980 Nov;137(11):1429–32

Evaluation and psychotherapy of Indochinese refugee patients. Kinzie JD. **Am J Psychother** 1981 Apr; 35(2):251–61

Exile as bereavement: socio-psychological manifestations of Chilean exiles in Great Britain. Munoz L. **Br J Med Psychol** 1980 Sep;53(3):227–32

Selected health beliefs of Vietnamese refugees. Rocereto L. **J Sch Health** 1981 Jan;51(1):63–4

Indochinese refugees' cultural traditions often their only link to past. **Mich Med** 1980 Sep;79(26):474–5

Indochinese refugees have vastly different views and use of medical care system. Grizzell S, et al. **Mich Med** 1980 Dec; 79(35):624–8

Refugees in America suffer from loss of community. Okura KP. **Mich Med** 1981 Jan;80(2):18

The Hmong: dying of culture shock? [news] Marshal E. **Science** 1981 May 29;212(4498):1008

[Depressive diseases in Swabians and German refugees. An epidemiological approach to the question of greater disposition of Swabians to melancholia (author's transl)] Gestrich J, et al. **Nervenarzt** 1981 Mar;52(3):153–62 **(Ger)**

REFUSE DISPOSAL

Fate of petroleum hydrocarbons in sewage sludge after land disposal. Liu D. **Bull Environ Contam Toxicol** 1980 Oct; 25(4):616–22

Solidification of low-level waste--a dilemma for the small user. Harris S, et al. **Health Phys** 1980 Nov;39(5):812–5

A non-Fickian approach to the consequences of dumping solid radioactive wastes in a finite ocean. Sarma TP, et al. **Health Phys** 1981 Mar;40(3):351–9

The wasteland: garbage and sanitary reform in the nineteenth-century American city. Leavitt JW. **J Hist Med Allied Sci** 1980 Oct;35(4):431–52

Closing radioactive waste sites: the other side of the coin [editorial] Alexander LL. **J Natl Med Assoc** 1980 Nov; 72(11):1041–2

Sunken garbage can banned as health hazard [letter] Lynch GE. **N Engl J Med** 1981 Aug 6;305(6):348

Geologic storage of radioactive waste: field studies in Sweden. Witherspoon PA, et al. **Science** 1981 Feb 27; 211(4485):894–900

[Systems of transportation of hospital-specific waste (author's transl)] Kern A. **Oeff Gesundheitswes** 1980 Jun;42(6):351–4 (Eng. Abstr.) **(Ger)**

[On the development of carcasses disposal in Israel paying particular attention to the industrial slaughtering of poultry (author's transl)] Aharoni C, et al. **Zentralbl Bakteriol [B]** 1980 Mar;170(3–4):247–9 (Eng. Abstr.) **(Ger)**

[The development of the American carcass rendering industry (author's transl)] Cox JS. **Zentralbl Bakteriol [B]** 1980 Mar;170(3–4):217–21 (Eng. Abstr.) **(Ger)**

[Rendering plants in Belgium. A survey of their importance and significance (author's transl)] Devos A. **Zentralbl Bakteriol [B]** 1980 Mar;170(3–4):234–9 **(Ger)**

[Disposal of carcasses from the point of view of Austrian veterinary services (author's transl)] Habelt A. **Zentralbl Bakteriol [B]** 1980 Mar;170(3–4):222–5 (Eng. Abstr.) **(Ger)**

[Concept for the expansion of the plant for the disposal and processing of carcasses and slaughterhouse offals in the Socialist Republic of Serbia (author's transl)] Puhač I, et al. **Zentralbl Bakteriol [B]** 1980 Mar;170(3–4):250–1 (Eng. Abstr.) **(Ger)**

[Hygienic problems encountered in the production and utilization of meat meal and bone meal as well as of silage from animal raw material (author's transl)] Skovgaard N. **Zentralbl Bakteriol [B]** 1980 Mar;170(3–4):328–36 (Eng. Abstr.) **(Ger)**

[Disposal of carcasses and rendering in the waste management program 1975 of the Federal Republic of Germany and hints for the practice of supervision by state veterinarians and operational self-control in rendering plants (author's transl)] Strauch D. **Zentralbl Bakteriol [B]** 1980 Mar;170(3–4):342–50 (Eng. Abstr.) **(Ger)**

[Essays on the history of rendering in Austria (author's transl)] Wens HM. **Zentralbl Bakteriol [B]** 1980 Mar; 170(3–4):211–6 (Eng. Abstr.) **(Ger)**

[Types and quantities of by-products and their hygienic utilization (author's transl)] Wens HM. **Zentralbl Bakteriol [B]** 1980 Mar;170(3–4):226–33 (Eng. Abstr.) **(Ger)**

[Work experience of a garbage-proceedings plant] Pashkina EN, et al. **Gig Sanit** 1981 Apr;(4):66–8 **(Rus)**

INSTRUMENTATION

Investigation of the effects of capacity on asbestos vacuum cleaners. Johnston WL, et al. **Am Ind Hyg Assoc J** 1980 Dec;41(12):927–31

Disposal of radioactive contaminated pathological waste incinerator. Taylor RA, et al. **Health Phys** 1981 Jun; 40(6):902–4

METHODS

Dry removal of asbestos. Elias JD. **Am Ind Hyg Assoc J** 1981 Aug;42(8):624–5

Coliforms in aerosols generated by a municipal solid waste recovery system. Lembke LL, et al. **Appl Environ Microbiol** 1980 Nov;40(5):888–91

Solid waste disposal in metropolis of Delhi. Krishna K. **Indian J Public Health** 1980 Jan–Mar;24(1):43–9

The United States' hazardous waste regulatory program. Lehman JP. **J Chem Inf Comput Sci** 1979 Nov;19(4):208–12

[The problem of the treatment of hospital refuse] Hentschel N. **Oeff Gesundheitswes** 1981 Feb;43(2):117–8 **(Ger)**

[Hygienic aspects of hospital-specific refuse] Steuer W. **Oeff Gesundheitswes** 1981 Jun;43(6):267–71 **(Ger)**

[Industrial physiological studies on trashmen during domestic refuse removal using 110-liter trash barrels and large trash receptacles] Martin G, et al. **Z Gesamte Hyg** 1980; 26(8):579–82 (Eng. Abstr.) **(Ger)**

[Carcass disposal in Hungary (author's transl)] Kovács F. **Zentralbl Bakteriol [B]** 1980 Mar;170(3–4):244–6 (Eng. Abstr.) **(Ger)**

[Organisation, installations and operation of a carcass rendering plant exemplified by the Regau by-products plant (author's transl)] Pelz I. **Zentralbl Bakteriol [B]** 1980 Mar;170(3–4):304–17 (Eng. Abstr.) **(Ger)**

[Computation for the sterilisation process in rendering plants (author's transl)] Riedinger O. **Zentralbl Bakteriol [B]** 1980 Mar;170(3–4):287–96 (Eng. Abstr.) **(Ger)**

[Systems and methods in the processing of carcasses, abattoir offals and foodstuff waste (author's transl)] Wichmann H. **Zentralbl Bakteriol [B]** 1980 Mar;170(3–4):262–86 (Eng. Abstr.) **(Ger)**

[Supervision of a carcass-processing plant by the veterinary officer (author's transl)] Zisch J. **Zentralbl Bakteriol [B]** 1980 Mar;170(3–4):318–27 (Eng. Abstr.) **(Ger)**

STANDARDS

[Rendering of animal material in the Netherlands (author's transl)] Edel W, et al. **Zentralbl Bakteriol [B]** 1980 Mar; 170(3–4):252–7 **(Ger)**

[Bacteriological and hygienic control of rendering plants (author's transl)] Thiemann G, et al. **Zentralbl Bakteriol [B]** 1980 Mar;170(3–4):297–303 (Eng. Abstr.) **(Ger)**

[Animal rendering in Romania and its legal regulations (author's transl)] Tomescu V, et al. **Zentralbl Bakteriol [B]** 1980 Mar;170(3–4):258–61 (Eng. Abstr.) **(Ger)**

REGENERATION

Studies on cartilage formation. XXII. Investigations of certain oxidative metabolic processes in regenerating articular cartilage. Hadházy C, et al. **Acta Biol Acad Sci Hung** 1980;31(1–3):121–31

Activity in cAMP phosphodiesterase in the early regeneration stage of planarian Dugesia lugubris (O. Schmidt). Ultracytochemical studies. Duma A. **Acta Med Pol** 1980;21(4):317–8

Changes in contractile structure of regenerating muscle. Jakubiec-Puka A, et al. **Acta Med Pol** 1980;21(4):343–4
Some ultrastructural aspects of sarcomere formation during the muscle differentiation in Urodela (Amphibia). Kozłowska M, et al. **Acta Med Pol** 1980;21(4):361–2
Changes in the acetylcholinesterase activity during the regeneration of planarian Dugesia lugubris (O. Schmidt) ultrastructural studies. Malczewska M, et al. **Acta Med Pol** 1980;21(4):381–2
Repair in arterial tissue. Chemnitz J, et al. **Acta Pathol Microbiol Scand [A]** 1981 Jan;89A(1):69–71
Regeneration of the human corneal endothelium. Renard G, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 215(4):341–8
Fine structure of the surfaces of the epithelium and mesenchyme of the newt limb regenerate, separated in salt solution: 14 to 25 days. Jasch LG. **Am J Anat** 1980 Jun; 158(2):171–91
Regeneration of the renal brush border after renal ischemia in rats. Paddock JK, et al. **Am J Physiol** 1981 Jul; 241(1):F28–33
Myotoxicity of local anesthetics and regeneration of the damaged muscle fibers. Foster AH, et al. **Anesth Analg (Cleve)** 1980 Oct;59(10):727–36
Section of the pituitary stalk in the rhesus monkey: morphological and endocrine observations. Antunes JL, et al. **Ann Neurol** 1980 Sep;8(3):308–16
Regeneration of splenic autotransplants in suckling and adult rats. Kovacs KF, et al. **Arch Surg** 1981 Mar;116(3):335–6
Splenic regeneration [letter] Scher KS, et al. **Arch Surg** 1980 Nov;115(11):1401–2
Regeneration of cilia in starved Tetrahymena thermophila involves induced synthesis of ciliary proteins but not synthesis of membrane lipids. Skriver L, et al. **Biochem J** 1980 Jun 15;188(3):695–704
Reappearance of terminal deoxynucleotidyl transferase containing cells in rat bone marrow following corticosteroid administration. Vines RL, et al. **Blood** 1980 Sep;56(3):501–9
Use of spleen organ cultures to monitor hemopoietic progenitor cell regeneration following irradiation and marrow transplantation. von Melchner H, et al. **Blood** 1980 Nov;56(5):917–22
Regeneration of hemopoietic precursor cells in spleen organ cultures from irradiated mice: influence of genotype of cells injected and of the spleen microenvironment. von Melchner H, et al. **Blood** 1981 May;57(5):906–12
A comparison of the local and remote effects of basement-membrane regeneration in normal and diabetic rats. Fisher RF. **Br J Exp Pathol** 1980 Dec;61(6):661–71
Mercuric chloride-induced tubulonecrosis in the rat kidney: the recovery phase. Haagsma BH, et al. **Br J Exp Pathol** 1980 Jun;61(3):229–41
Skeletal muscle: regeneration and transplantation studies. Sloper JC, et al. **Br Med Bull** 1980 May;36(2):153–8 (67 ref.)
Regeneration of Syrian golden hamster pancreas and covalent binding of N-nitroso-2,6-[3H]dimethylmorpholine. Scarpelli DG, et al. **Cancer Res** 1981 Mar;41(3):1051–7
Lack of enhancing effect of mucosal regeneration following ulceration of the urinary bladder on N-butyl-N-(4-hydroxybutyl)nitrosamine carcinogenesis in rats. Shirai T. **Cancer Res** 1980 Oct;40(10):3709–12
Regeneration of uterine epithelium after experimental ablation in the rat. Leroy F, et al. **Cell Tissue Kinet** 1981 Mar;14(2):153–61
Histological observations on the effects of isoproterenol on regenerating submandibular glands of the rat. Boshell JL, et al. **Cell Tissue Res** 1980;213(3):411–6
Formation of muscle spindles in regenerated avian muscle grafts. Mackenson-Dean CA, et al. **Cell Tissue Res** 1981; 217(1):37–41
Regeneration of heterotopically transplanted autologous splenic tissue. Pabst R, et al. **Cell Tissue Res** 1980; 209(1):137–43
Prospects of regeneration in man. Goss RJ. **Clin Orthop** 1980 Sep;(151):270–82
Regeneration of rabbit calcaneal tendon maturation of collagen and elastic fibers following partial tenotomy. Postacchini F, et al. **Connect Tissue Res** 1980;8(1):41–7
Retinal ganglion cell death and regeneration of abnormal retinotectal projections after removal of a segment of optic nerve in Xenopus tadpoles. Beazley LD. **Dev Biol** 1981 Jul 15;85(1):164–70
Formation of pattern in regenerating tissue pieces of hydra attenuata. I. Head-body proportion regulation. Bode PM, et al. **Dev Biol** 1980 Aug;78(2):484–96
Regulative ability of the regenerating urodele tail: the effect of unilateral soft tissue ablation. Dinsmore CE. **Dev Biol** 1981 Feb;82(1):186–91
Regeneration by complementary wing disc fragments of Drosophila melanogaster. Kauffman SA, et al. **Dev Biol** 1981 Mar;82(2):238–57
Nerve-dependent histone phosphorylation in the regenerating forelimb of the newt. Kelly CM, et al. **Dev Biol** 1981 Jan 30;81(2):366–71
The origin of skeletal structures during intercalary regeneration of larval Ambystoma limbs. Pescitelli MJ Jr, et al. **Dev Biol** 1980 Oct;79(2):255–75
Nonsegmental organization of positional information in regenerating Ambystoma limbs. Pescitelli MJ Jr, et al. **Dev Biol** 1981 Feb;82(1):69–85
Intercalary regeneration of symmetrical thighs in the axolotl, Ambystoma mexicanum. Stocum DL. **Dev Biol** 1980 Oct; 79(2):276–95
Intracellular levels of adenosine 3':5'-cyclic monophosphate in the dorsal iris of the adult newt, during lens regeneration. Velázquez FM, et al. **Differentiation** 1980;17(2):117–20
Effect of high concentrations of oxygen on reparative regeneration of damaged alveolar epithelium in mice. Hackney JD, et al. **Exp Mol Pathol** 1981 Jun;34(3):338–44
The growth of regenerating soleus muscle transplants after ablation of the gastrocnemius muscle. Coan MR, et al. **Exp Neurol** 1981 Feb;71(2):278–94
Satellite cells and muscle regeneration in the developing dystrophic chicken. Yorita T, et al. **Exp Neurol** 1980 Dec; 70(3):567–75
Histochemical studies of oxidoreductases in rat kidney regenerating after mercuric chloride injury. Böti Z, et al. **Exp Pathol** 1981;19(4):247–56
The activity of the Nucleus preopticus during limb regeneration in adult newts, Triturus vulgaris. Sliwa L. **Folia Biol (Krakow)** 1981;29(2):111–7
Increased activities of acid protease and acid phosphatase in denervated forelimb regenerates of the adult newt, Notophthalmus viridescens. Morzlock FV. **Growth** 1980 Jun;44(2):123–32
The regenerating fascial sheath in lipectomized Osborne-Mendel rats: morphological and biochemical indices of adipocyte differentiation and proliferation. Roth J, et al. **Int J Obes** 1981;5(2):131–43
Visual pigment kinetics in abnormalities of the uvea-retinal epithelium interface in man. Alpern M, et al. **Invest Ophthalmol Vis Sci** 1981 Feb;20(2):183–203
Regeneration of menisci after total knee replacement. A report of five cases. Espley AJ, et al. **J Bone Joint Surg [Br]** 1981;63-B(3):387–90
Regeneration of endothelium in knitted and velour dacron vascular grafts in dogs. Hertzer NR. **J Cardiovasc Surg (Torino)** 1981 May-Jun;22(3):223–30
Density and distribution of alpha-bungarotoxin-binding sites in postsynaptic structures of regenerated rat skeletal muscle. Bader D. **J Cell Biol** 1981 Feb;88(2):338–45
Post-splenectomy demonstration of splenic tissue by computed tomography with liposoluble contrast material. Vermess M, et al. **J Comput Assist Tomogr** 1981 Feb; 5(1):106–8
Regeneration of axillary hairs after plucking. Inaba M, et al. **J Dermatol Surg Oncol** 1981 Mar;7(3):249–59
Pattern re-establishment--transplantation and regeneration of the leg in the cricket Teleogryllus commodus (Walker). Biggin RJ. **J Embryol Exp Morphol** 1981 Feb;61:87–101
The distribution of regenerative potential in the wing disc of Drosophila. Karlsson J. **J Embryol Exp Morphol** 1981 Feb;61:303–16
Morphogenetic properties of the skin in axolotl limb regeneration. Slack MJ. **J Embryol Exp Morphol** 1980 Aug; 58:265–88
Factors that influence regeneration of the neuromuscular junction. McMahan UJ, et al. **J Exp Biol** 1980 Dec;89:31–42 (65 ref.)
Experimental analysis of the lens-forming competence of the cornea, iris, and retina in Xenopus laevis tadpoles. Bosco L, et al. **J Exp Zool** 1981 May;216(2):267–76
Role of neural retina and vitreous body during lens regeneration: transplantation and autoradiography. Gulati AK, et al. **J Exp Zool** 1980 Oct;214(1):109–18
Newt forelimb regeneration blastemas in vitro: cellular response to explanation and effects of various growth-promoting substances. Mescher AL, et al. **J Exp Zool** 1981 May;216(2):235–45
Partial blastema formation after amputation in adult mice. Neufeld DA. **J Exp Zool** 1980 Apr;212(1):31–6
'Rapid regeneration' in the cat retina: a case for spreading depression. Ripps H, et al. **J Gen Physiol** 1981 Mar; 77(3):335–46
The contribution of exogenous cells to regenerating skeletal muscle: an isoenzyme study of muscle allografts in mice. Grounds M, et al. **J Pathol** 1980 Dec;132(4):325–41
Regeneration of lymphatic vessels in the ear of the guinea pig. Yong LC. **J Pathol** 1980 Jul;131(3):209–19
Cartilage healing and regeneration. Frost GE. **J S Afr Vet Assoc** 1979 Sep;50(3):181–7
Simpler rules for epimorphic regeneration: the polar-coordinate model without polar coordinates. Lewis J. **J Theor Biol** 1981 Jan 21;88(2):371–92
Formation of junctions in regenerating hydra: gap junctions. Wood RL, et al. **J Ultrastruct Res** 1980 Dec;73(3):350–60
Antenatal diagnosis and treatment of fetal skeletal malformations. With emphasis on in utero surgery for neural tube defects and limb bud regeneration. Hodgen GD. **JAMA** 1981 Sep 4;246(10):1079–83
Organization of actin in epithelial cells during regenerative and neoplastic conditions. Correlation of morphologic, immunofluorescent, and biochemical findings. Low RB, et al. **Lab Invest** 1981 Apr;44(4):359–67
Endothelial regeneration. III. Time course of intimal changes after small defined injury to rat aortic endothelium. Reidy MA, et al. **Lab Invest** 1981 Apr;44(4):301–8
On certain morphological aspects of regenerative significance in nodular adenomatous thyroid. Nicolesco S. **Morphol Embryol (Bucur)** 1980 Oct-Dec;26(4):331–4
Regeneration of retinal pigment epithelium damaged in rat foetuses by 6-aminonicotinamide. Sandor S, et al. **Morphol Embryol (Bucur)** 1981 Jan-Mar;27(1):11–3
Skeletal muscle regeneration. Allbrook D. **Muscle Nerve** 1981 May-Jun;4(3):234–45 (13 ref.)
Adrenal regeneration. Time course, effect of hypothalamic hemi-islands and response to unilateral adrenalectomy. Holzwarth MA, et al. **Neuroendocrinology** 1980 Sep; 31(3):168–76
A quantitative assessment of muscle spindle formation in reinnervated and non-reinnervated grafts of the rat extensor digitorum longus muscle. Rogers SL, et al. **Neuroscience** 1981;6(1):87–94
Differentiation of regenerating pancreatic cells into hepatocyte-like cells. Scarpelli DG, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2577–81
Spontaneous reconstitution of the mammalian intestinal tract following complete transection. Dumont AE, et al. **Proc Soc Exp Biol Med** 1980 Sep;164(4):545–9
Electric currents may guide development. Marx JL. **Science** 1981 Mar 13;211(4487):1147–9
Identification of 19-hydroxydeoxycorticosterone in regenerating rat adrenal incubations. Dale SL, et al. **Steroids** 1980 Nov;36(5):601–9
Shortened megakaryocyte-platelet regeneration time in patients with ischemic cerebrovascular disease. Hamberg M, et al. **Thromb Res** 1981 Mar;21(6):675–9
Localization of newly synthesized precursors of basal lamina in the regenerating planarian as revealed by autoradiography. Hori I. **Tissue Cell** 1980;12(3):513–21
Epidermal growth factor: in vivo ocular studies. Elliott JH. **Trans Am Ophthalmol Soc** 1980;78:629–56
A quantitative assay system for thymocyte regeneration in the rat. Greiner DL, et al. **Transplant Proc** 1981 Jun; 13(2):1457–9
Morphological and functional recovery of the canine gallbladder mucosa following two hours' ischemia. Winistörfer B, et al. **Virchows Arch [Cell Pathol]** 1980; 35(1):1–10
Ultrastructural examination of the regeneration of the rat adenohypophysis after partial hypophysectomy. Saeger W, et al. **Virchows Arch [Pathol Anat]** 1980;387(3):279–88
An hypothesis on the influence of the temperature on the telencephalic reparative processes in Lacerta viridis. Minelli G, et al. **Z Mikrosk Anat Forsch** 1980;94(2):209–16
[Observations on the effects of gingival regeneration in the treatment of 740 instances of periodontal disease (author's transl)] Huang QH. **Chung Hua Kou Chiang Ko Tsa Chih** 1979;14(1):10–2 **(Chi)**
[Endocrine pancreatic regeneration in diabetic mouse DBM. An ultrastructural and histoenzymological study (author's transl)] Chomette G, et al. **Ann Pathol** 1981;1(1):48–58 (Eng. Abstr.) **(Fre)**
[Renewal of bronchial and pulmonary cells: a comprehensive review of recent information (author's transl)] Masse R, et al. **Rev Fr Mal Respir** 1981;9(2):85–112 (109 ref.) (Eng. Abstr.) **(Fre)**
[Clinical studies on gingival regeneration behavior in the sense of 'creeping attachment'] Witte M, et al. **Dtsch Zahnaerztl Z** 1980 Jul;35(7):739–42 (Eng. Abstr.) **(Ger)**
[Regeneration processes in human oviducts following sterilization procedures] Philipp E. **Med Klin** 1981 Jan 2; 76(1):15–9 (16 ref.) **(Ger)**
[The influence of completely ligated ureters on the regeneration of tubulus cells after diversion of the urine by ureterocystoneostomy (author's transl)] Stöber U, et al. **Urol Int** 1980;35(6):395–403 (Eng. Abstr.) **(Ger)**
[Regeneration of the thread-like papillae in the rat tongue] Svejda J, et al. **Z Mikrosk Anat Forsch** 1981;95(1):113–26 (Eng. Abstr.) **(Ger)**
[Morphological studies of the reparative function of pannus tissue in experimental arthritis in rabbits] Rüttner JR, et al. **Z Rheumatol** 1980 Jul-Aug;39(7-8):205–11 (Eng. Abstr.) **(Ger)**
[3 experimental contributions to the regeneration of the ureter] Borkowski A, et al. **Z Urol Nephrol** 1980 Dec; 73(12):869–77 (Eng. Abstr.) **(Ger)**
[DNA and proteins in the regenerating liver of rats treated with tetanus toxin] Rossolini A, et al. **Boll Ist Sieroter Milan** 1980 Jan 31;58(6):509–11 (Eng. Abstr.) **(Ita)**
[Experimental research on the regenerative capacity of fetal tissue of the extremities injured by teratogenic insult to vascular bases] Bracaglia R, et al. **Chir Patol Sper** 1979 Oct;27(5):426–34 (Eng. Abstr.) **(Ita)**
[An experimental study on the regeneration of lymphatic vessels after replantation of the limb (author's transl)] Nakanishi T. **Nippon Seikeigeka Gakkai Zasshi** 1980 Jun; 54(6):539–51 (Eng. Abstr.) **(Jpn)**
[Regeneration of articular cartilage] Olejniczak A. **Chir Narzadow Ruchu Ortop Pol** 1980;45(5):437–42 (Eng. Abstr.) **(Pol)**
[Regenerative ability of murine bone marrow after irradiation] Grzymała WJ, et al. **Rocz Panstw Zakl Hig** 1980;31(2):133–7 (Eng. Abstr.) **(Pol)**
[Histogenetic aspect of the problem of regeneration] Klishov AA. **Arkh Anat Gistol Embriol** 1981 Feb;80(2):84–9 (101 ref.) **(Rus)**
[Cellular origins of regeneration in planarians. Current concepts of neoblasts] Krichinskaia EB. **Arkh Anat Gistol Embriol** 1980 Dec;79(12):102–9 (Eng. Abstr.) **(Rus)**

[Morphological characteristics of regenerated tendons developing under various biomechanical conditions] Efimov AP. **Arkh Patol** 1980;42(6):9–13 (Eng. Abstr.) **(Rus)**

[Modeling the kinetics of regeneration of nonhomogeneous populations of hematopoietic cells during antitumor therapy] Klochko AV, et al. **Biofizika** 1980 Jul–Aug; 25(4):716–29 (Eng. Abstr.) **(Rus)**

[Mitotic activity and cellular composition of acini of the regenerating extraorbital lacrimal and submandibular salivary glands] Gusak PP. **Biull Eksp Biol Med** 1980 JUL; 89(7):99–101 (Eng. Abstr.) **(Rus)**

[Effect of hemopoietic regeneration on the course of a systemic 'graft vs host' reaction] Meshkova RIa, et al. **Biull Eksp Biol Med** 1980 Aug;90(8):218–9 (Eng. Abstr.) **(Rus)**

[Regeneration of the fingers in children] Polezhaev LV. **Khirurgiia (Mosk)** 1980 Dec;(12):76–7 (0 ref.) **(Rus)**

[Effect of a permanent magnetic field on reparative posttraumatic regeneration of the cornea] Skrinnik AV. **Oftalmol Zh** 1980;35(6):361–3 (Eng. Abstr.) **(Rus)**

[Intraorganic regeneration and its varieties] Liozner LD. **Usp Sovrem Biol** 1980 Sep–Oct;90(2):270–85 (55 ref.) **(Rus)**

[Reparative processes in the frontal sinus after being filled with cartilage allografts] Melanyn VD. **Vestn Otorinolaringol** 1981 Mar–Apr;(2):43–7 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Differences in the effects of fuel oil, an oil dispersant, and three polychlorinated biphenyls on fin regeneration in the Gulf Coast killifish, Fundulus grandis. Fingerman SW. **Bull Environ Contam Toxicol** 1980 Aug;25(2):234–40

Inhibition by the polychlorinated biphenyl Aroclor 1242 of limb regeneration in the fiddler crab, Uca pugilator, in different salinities from which different numbers of limbs have been removed. Fingerman SW, et al. **Bull Environ Contam Toxicol** 1980;25(5):744–50

Effect of bovine pituitary hormone preparations on newt lens regeneration in vitro: stimulation by thyrotropin. Cuny R, et al. **Dev Biol** 1981 Jan 15;81(1):23–35

Responses of neonatal rat islets to streptozotocin: limited B-cell regeneration and hyperglycemia. Bonner-Weir S, et al. **Diabetes** 1981 Jan;30(1):64–9

The influence of hormones and other substances on lens regeneration in vitro. Connelly TG. **Differentiation** 1980 Apr;16(2):85–91

The action of antimitotic herbicides on flagellar regeneration in Chlamydomonas reinhardtii: a comparison with the action of colchicine. Quader H, et al. **Eur J Cell Biol** 1980 Aug;21(3):301–4

Bovine pituitary fibroblast growth factor has neurotrophic activity on newt limb regenerates and skeletal muscles in vitro. Carlone RL, et al. **Exp Cell Res** 1981 Mar; 132(1):15–21

Nerve trophic effects: partial purification from chick embryo brains of proteins that stimulate protein synthesis in cultured newt blastemata. Choo AF, et al. **Exp Neurol** 1981 Aug;73(2):558–70

Thymolysis induced by EN3638 and other drugs and its relation to immunosuppression. Levine S, et al. **Immunopharmacology** 1980 Jun;2(3):251–8

Pharmacological evidence for cell surface control of oral regeneration in Stentor coeruleus. Maloney MS. **J Cell Physiol** 1980 May;103(2):305–11

Aggravating effect of serotonin on gastric ulceration induced by thermocautery under the healing process in mice. Watanabe K, et al. **Jpn J Pharmacol** 1980 Jun;30(3):377–87

Limited B cell regeneration in a B cell deficient rat model: studies with dexamethasone. Bonner-Weir S, et al. **Metabolism** 1981 Sep;30(9):914–8

The effect of thymic humoral factor (Leucotrofina) upon regeneration of haemopoietic and lymphatic tissues of irradiate mice. Uray Z, et al. **Panminerva Med** 1979 Apr–Jun;21(2):57–62

In vitro response of the regenerating adrenal gland to epinephrine. Soliman KF, et al. **Res Commun Chem Pathol Pharmacol** 1981 May; 32(2):373–6

Action of several food colours on whole and regenerant Planaria. Margotta V, et al. **Riv Biol** 1979 Jan–Jun; 72(1–2):11–38 **(Eng, Ita)**

[Enzymatic status of the circulating leukocytes as an index of the regenerative process in the lungs under pyrimidine and purine derivative stimulation] Bilich GL, et al. **Probl Gematol Pereliv Krovi** 1981 May;26(5):38–42 (Eng. Abstr.) **(Rus)**

[Reparative dentin formation in exposure to a remineralizing agent] Pakhomov GN, et al. **Stomatologiia (Mosk)** 1981 May–Jun;60(3):14–7 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Murine spermatogonial regeneration after exposure to either X-rays or 15 MeV neutrons. Langendorff M, et al. **Radiat Environ Biophys** 1981;19(1):41–9

[Radiosensitivity of regenerating blood vessels] Balmukhanov SB, et al. **Med Radiol (Mosk)** 1981 Feb;26(2):44–6 (Eng. Abstr.) **(Rus)**

[Postradiation recovery of the bone marrow in partial irradiation] Pozharisskaia TD, et al. **Radiobiologiia** 1981 Mar–Apr;21(2):273–7 (Eng. Abstr.) **(Rus)**

[Role of the localization of exposure to decimeter waves on the course of regeneration processes (an experimental study)] Korolev IuN, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Mar–Apr; (2):37–42 **(Rus)**

REGIONAL BLOOD FLOW

Local regulation of blood flow in peripheral tissue. Henriksen O, et al. **Acta Chir Scand [Suppl]** 1980;502:63–74

Transmural distribution of blood flow during activation of coronary muscarinic receptors. Gross GJ, et al. **Am J Physiol** 1981 Jun;240(6):H941–6

Regional blood flow measurement with pulsed Doppler flowmeter in conscious rat. Haywood JR, et al. **Am J Physiol** 1981 Aug;241(2):H273–8

Hand arterial blood flow responses to local venous congestion. Levy BI, et al. **Am J Physiol** 1981 Jun; 240(6):H980–3

Regional blood flows in salt loading hypertension in the dog. Liard JF. **Am J Physiol** 1981 Mar;240(3):H361–7

Blood flow in the hypertrophied right ventricular myocardium of unanesthetized ponies. Manohar M, et al. **Am J Physiol** 1981 Jun;240(6):H881–8

Prediction of regional myocardial blood flow in dogs. Munch DF, et al. **Am J Physiol** 1980 Sep;239(3):H308–15

Regional neurohypophyseal blood flow and its control in adult sheep. Page RB, et al. **Am J Physiol** 1981 Jul; 241(1):R36–43

Cerebral blood flow during elevation of intracranial pressure: role of sympathetic nerves. Sadoshima S, et al. **Am J Physiol** 1981 Jul;241(1):H78–84

Local cerebral blood flow after microwave exposure. Oscar KJ, et al. **Brain Res** 1981 Jan 5;204(1):220–5

Suggestion of ultradian rhythm in peripheral blood flow. Romano S, et al. **Chronobiologia** 1980 Apr–Jun;7(2):259–61

Studies of uterine blood flow in the pregnant rabbit. Ferris TF. **Contrib Nephrol** 1981;25:44–8

Effect of alteration of pheripheral blood flow on the central circulation in man during supine cycling in different ambient temperatures. Suzuki Y, et al. **Eur J Applied Physiol** 1980;45(1):69–80

Neural effects on cerebral vessels: alteration of pressure–flow relationship. Heistad DD, et al. **Fed Proc** 1981 Jun; 40(8):2317–21

Measurement of local cerebral blood flow and metabolism in man with positron emission tomography. Raichle ME. **Fed Proc** 1981 Jun;40(8):2331–4

A study of tendon blood flow using 133xenon. Piaggi V, et al. **Hand** 1981 Feb;13(1):48–50

Oscillating flow between a clot model and a stenosis. Doffin J, et al. **J Biomech** 1981;14(3):143–8

Analysis of non-linear pulsatile blood flow in arteries. Imaeda K, et al. **J Biomech** 1980;13(12):1007–21

Failure of Doppler ultrasound in the early assessment of blood flow in polytetrafluoroethylene grafts. Van Rij AM, et al. **J Cardiovasc Surg (Torino)** 1981 Jan–Feb;22(1):58–9

The effect of blood flow on the surface morphology of the human endothelium. Gau GS, et al. **J Pathol** 1980 May; 131(1):55–64

The contribution of prostaglandins to renal blood flow maintenance is determined by the level of activity of the renin–angiotensin system. Baer PG. **Life Sci** 1981 Feb 9; 28(6):587–93 (37 ref.)

Regional blood flows in newborn lambs during endotracheal continuous airway pressure and continuous negative pressure breathing. Furzan JA, et al. **Pediatr Res** 1981 May; 15(5):874–8

Heat stress effects on capillary blood flow and its redistribution in the laying hen. Wolfenson D, et al. **Pfluegers Arch** 1981 Apr;390(1):86–93

The effects of some physical factors on the production of hyperthermia by ultrasound in neoplastic tissues. Hynynen K, et al. **Radiat Environ Biophys** 1981;19(3):215–26

[Value of per-operative measurement of the blood flow in vascular surgery (author's transl)] Watelet J, et al. **Nouv Presse Med** 1980 May 17;9(22):1581–2 **(Fre)**

[A thermodynamic model to predict oxygen consumption and peripheral blood flow of the newborn infant (author's transl)] Simbruner G, et al. **Anaesthesist** 1981 Jul; 30(7):358–63 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Tissue perfusion and distribution of cardiac output during ketamine anesthesia in normovolemic rats. Idvall J, et al. **Acta Anaesthesiol Scand** 1980 Jun;24(3):257–63

Blood flow alteration induced by saralasin or sodium nitroprusside in rats. Miller ED Jr, et al. **Anesthesiology** 1981 Mar;54(3):199–203

Morphine effects on cardiac output and regional blood flow distribution in conscious dogs. Priano LL, et al. **Anesthesiology** 1981 Sep;55(3):236–43

Influence of propranolol and acebutolol on isoprenaline-induced changes in heart rate and peripheral blood flow in man. Mougeot G, et al. **Arch Int Pharmacodyn Ther** 1981 May;251(1):116–25

Effects of methamphetamine on blood flow in the caudate-putamen after lesions of the nigrostriatal dopaminergic bundle in the rat. Lindvall O, et al. **Brain Res** 1981 Apr 27;211(1):211–6

Effects of papaveroline-monosulphate on the systemic and regional circulation in the dog. Data PG, et al. **Farmaco [Sci]** 1981 Apr;36(4):302–14

Effects of angiotensin II on metabolic, respiratory and vasomotor activities as well as body temperatures in the rabbit. Lin MT. **J Neural Transm** 1980;49(3):197–204

Effect of serotonin on uterine blood flow in pregnant and nonpregnant sheep. Clark KE, et al. **Life Sci** 1980 Dec 22–29;27(25–26):2655–61

Effects of synthetic parathyroid hormone on vascular beds of dogs. Pang PK, et al. **Pharmacology** 1980;21(3):213–22

Effect of nicotinic acid and dipyridamole on tissue blood flow in peripheral vascular disease. Smith RS, et al. **Pharmatherapeutica** 1981;2(9):597–600

[The effects of Akrinor on the extrathoracic capacitance vessels during extracorporeal circulation and on cardiac haemodynamics of anaesthetized man (author's transl)] Reichelt W, et al. **Anaesthesist** 1980 Sep;29(9):481–6 (Eng. Abstr.) **(Ger)**

RADIATION EFFECTS

[Mechanism of circulatory disorders in the wall of the small intestine and their role in the development of the intestinal syndrome] Kudrjavcev VD, et al. **Radiobiol Radiother (Berl)** 1980;21(6):771–7 (Eng. Abstr.) **(Ger)**

REGIONAL HEALTH PLANNING

Some uses of client and census records in community mental health planning. Bachrach KM, et al. **Am J Community Psychol** 1980 Jun;8(3):365–78

Controlling physician oversupply through certificate of need. Tierney JT, et al. **Am J Law Med** 1980 Fall;6(3):335–60

Data for long-term care planning by Health Systems Agencies. Brody SJ, et al. **Am J Public Health** 1980 Nov; 70(11):1194–8

The regionalization of perinatal care. McCormick MC. **Am J Public Health** 1981 Jun;71(6):571–2

Impact of a regional infant dispatch center on neonatal mortality. Vogt JF, et al. **Am J Public Health** 1981 Jun; 71(6):577–82

Wellness promotion: a proposed focus for regional planning in Canada. Ardell DB, et al. **Can J Public Health** 1980 Sep–Oct;71(5):299–303 **(Eng, Fre)**

Appropriateness review: a beginning or an end? Clinton TF. **Conn Med** 1981 Jun;45(6):371

The long road to regional blood programs. Friedman E. **Hospitals** 1980 Oct 1;54(19):53–7

The development of strategic guidelines for regional planning of rehabilitation services. Wood PH, et al. **Int Rehabil Med** 1980;2(3):143–52

The Arkansas model: statewide cooperation. Saltzman BN. **J Arkansas Med Soc** 1980 Jul;77(2):93–7

Health manpower programs to affect physicians' location: a regional analysis. Wendling WR, et al. **J Health Polit Policy Law** 1981 Spring;6(1):120–35

Planning and decision making for ambulatory surgery. Trivedi VM, et al. **J Med Syst** 1981;4(3–4):327–45

Effect of perinatal and neonatal regionalization. Masumoto T, et al. **J Perinat Med** 1981;9 Suppl 1:170–1

Regional rheumatology practice in Umeå a northern Swedish experience. Bjelle A, et al. **J Rheumatol** 1981 Jan–Feb; 8(1):110–8

A systems model for burn care. Feck G, et al. **Med Care** 1980 Feb;18(2):211–8

The planning and organization of a regionalized burn care system. Praiss IL, et al. **Med Care** 1980 Feb;18(2):202–10

A methodology for the analysis of comparability of services and financial impact of closure of obstetrics services. Schneider D. **Med Care** 1981 Apr;19(4):393–409

Long range planning—the conversion of a retreat to an advance. Ylvisaker JR. **Mich Med** 1980 Nov;79(32):572

The question of regionalization and sharing of health services. Custis DL. **Milit Med** 1981 Feb;146(2):114–5, 119

Regionalization of medical care in obstetrics and gynecology by the Medical Department of the United States Navy. Hoskins WJ, et al. **Milit Med** 1981 Jan;146(1):26–9

Effect of Missouri high risk maternity and child care program on perinatal mortality. Hall RT, et al. **Mo Med** 1981 May; 78(5):249–52

Recommendations for the optimal care of the traumatized and/or burned patient. **NC Med J** 1980 Oct;41(10):662–7

Rural health care looks to the future. Issues in the institutionalization and management of rural health care: making technology appropriate. Golladay FL, et al. **Proc R Soc Lond [Biol]** 1980 Jul 28;209(1174):173–80

Primary care in Puerto Rico. Ramírez de Arellano AB, et al. **Public Health Rev** 1979 Oct–Dec;8(4):391–403

The benefits and pitfalls of health planning. Waters WJ. **RI Med J** 1981 Jun;64(6):319–22

[The cardiology clinic in the Unità Sanitaria Locale] De Vita C, et al. **G Ital Cardiol** 1980;10(12):1719–22 **(Ita)**

[Proposal for a regional registry of patients in dialysis] Piccoli G, et al. **Minerva Nefrol** 1980 Jul–Sep;27(3):529–34 (Eng. Abstr.) **(Ita)**

[Evaluation of educational material: adaptation of 4 leaflets on nutrition of infants from 0 to 12 months of age] Kubota N, et al. **Rev Saude Publica** 1980 Mar;14(1):101–22 (Eng. Abstr.) **(Por)**

[Feedback elements resulting from the evaluation of the efficacy, efficiency and effectiveness of integrated measures in the fight against tuberculosis. Co-report] Bulla A.

Rev Ig [Pneumoftiziol] 1981 Apr-Jun;30(2):107-10 **(Rum)**
[Use of certification data for resolving the goals of ongoing and long-term planning for the development of the material and technological basis of a hospital network] Dem'ianova Epifantsev VI, et al. **Sov Zdravookhr** 1981;(4):7-11 **(Rus)**
[Strategic regional approaches for the extension of health services coverage] Castellanos Robayo PJ. **Bol Of Sanit Panam** 1981 Mar;90(3):245-57 **(Spa)**

ECONOMICS

Cost-effectiveness of certificate of need. Mathews CL. **J Miss State Med Assoc** 1980 Dec;21(12):268-72
The CON game: high costs just what intended. Payton S, et al. **Mich Med** 1981 Jul;80(20):386, 382

LEGISLATION & JURISPRUDENCE

Satisfaction with Reform Act may be premature. Klein RD. **Hospitals** 1981 Sep 16;55(18):51, 54
Certificate of need and the pitfalls of due process. Consedine JF 2d, et al. **Inquiry** 1980 Winter;17(4):348-56
Long term sickness certification problems. Schwarz MH. **Med Leg J** 1981;49(Pt 2):37-41
Regulating the bed supply in nursing homes. Feder J, et al. **Milbank Mem Fund Q** 1980 Winter;58(1):54-88
A geographic framework for coordination of needs assessment for primary medical care in California. Smeloff EA, et al. **Public Health Rep** 1981 Jul-Aug;96(4):310-4

METHODS

Factors that influence capital expenditure review decisions. Nutt PC, et al. **Inquiry** 1981 Summer;18(2):151-64
Appropriateness Review: the Georgia experience. Bernard J. **J Med Assoc Ga** 1980 Jul;69(7):601-3
[The most commonly used technics in health planning] Tinôco A da F. **Rev Saude Publica** 1980 Dec;14(4):597-605 (Eng. Abstr.) **(Por)**

ORGANIZATION & ADMINISTRATION

Migrant health revisited: a model for statewide health planning and services. Barnett SE, et al. **Am J Public Health** 1980 Oct;70(10):1092-4
Strategic control for a United Kingdom regional health authority: a conceptual framework. Cantley MF. **Behav Sci** 1981 Jan;26(1):1-28
The United States Veterans Administration health care system as a model of regionalization. Williams SJ. **J Med Syst** 1981;5(1-2):111-27
A new approach to public sector involvement: the Health Service District. Nichols AW. **J Public Health Policy** 1980; 1(2):121-40
Steps to health planning [letter] Beaven DW. **NZ Med J** 1981 Jul 8;93(687):23-4
A regionalized approach to pediatric emergency care. Simon JE, et al. **Pediatr Clin North Am** 1981 Aug;28(3):677-87
Regionalization: a longitudinal case study of interorganizing. van der Zwaan AH. **Soc Sci Med [a]** 1981 Jan;15A(1):41-8
[Co-ordination of the resources on health information. A study of 4 sources] Steyn HK. **S Afr Med J** 1981 Jul 25; 60(4):131-3 (Eng. Abstr.) **(Afr)**
[Experience in Vaud of regional planning in psychiatry] Burnet R. **Schweiz Arch Neurol Neurochir Psychiatr** 1980; 126(2):223-8 (Eng. Abstr.) **(Fre)**
[Mortality and early retirement data as the principles of resource distribution in public health] Borgers D, et al. **Oeff Gesundheitswes** 1981 Apr;43(4):163-70 **(Ger)**
[Problems hampering the implementation of health planning] Tinôco A da F. **Rev Saude Publica** 1980 Jun;14(2):246-52 (Eng. Abstr.) **(Por)**

STANDARDS

Helping people evaluate health plans: the Minnesota Hospital Association criteria. Melum MM, et al. **Health Care Manage Rev** 1980 Spring;5(2):75-84
Vision care in health system plans. Nussenblatt H. **J Am Optom Assoc** 1981 Jun;52(6):509-11

TRENDS

Regionalization: not yes or no, but how much. Mosberg WH Jr. **Neurosurgery** 1981 May;8(5):629-31
Hospital response to a changing organization environment: the regionalization of hospital care in the Netherlands. Breemer ter Stege CP. **Soc Sci Med [Med Psychol Med Sociol]** 1980 Oct; 14A(5):445-52
2000--the year of the 'super CFO'. Silver AP. **Top Health Care Financ** 1980 Fall;7(1):47-51

REGIONAL HOSPITAL PLANNING see **HOSPITAL PLANNING**

REGIONAL MEDICAL PROGRAMS

Perinatal transport to a regional perinatal center in a metropolitan area: Maternal versus neonatal transport. Modanlou HD, et al. **Am J Obstet Gynecol** 1980 Dec 15; 138(8):1157-64
Analysis of interrupted time series mortality trends: an example to evaluate regionalized perinatal care. Gillings D, et al. **Am J Public Health** 1981 Jan;71(1):38-46
Evaluation of an EMS regional referral system using a tracer methodology. Egges J, et al. **Ann Emerg Med** 1980 Oct; 9(10):518-23
A regional end-stage renal disease program: twelve years' experience. Cestero RV, et al. **Ann Intern Med** 1980 Sep; 93(3):494-8
The planning of a community health model project in an area in Egypt (El Qalyub) with concomitant occurrence of S. mansoni and S. haematobium. Cline BL, et al. **Arzneimittelforsch** 1981;31(3a):609-12
The association of patient-held records and completion of immunizations. McCormick MC, et al. **Clin Pediatr (Phila)** 1981 Apr;20(4):270-4
The interlocking treatment system: a model for the delivery of state hospital-CMHC services. Muzekari LH, et al. **Hosp Community Psychiatry** 1981 Apr;32(4):273-6
Regional perinatal care: Kansas/1979. Evans JF, et al. **J Kans Med Soc** 1980 Sep;81(9):409-12, 416
Achievements of the seventies: self-applied fluorides. Silversin JB, et al. **J Public Health Dent** 1980 Summer; 40(3):248-57
Greater Calcutta leprosy treatment and health education scheme (GRECALTES). Chaudhury DS. **Lepr India** 1981 Apr;53(2):292-302
Summary report of Jhargram leprosy project. Chaudhury DS. **Lepr India** 1981 Apr;53(2):303-6
Evaluation of neonatal-intensive-care program. Sinclair JC, et al. **N Engl J Med** 1981 Aug 27;305(9):489-94
Perinatal mortality in a community hospital after the initiation of a high-risk perinatal program. Rozier JC Jr. **NC Med J** 1980 Oct;41(10):653-6
American Academy of Pediatrics, Committee on Fetus and Newborn. Level II neonatal units. **Pediatrics** 1980 Nov; 66(5):810-1
[Preliminary experience in the establishment of a cardiovascular community control program in a district (author's transl)] Wu YK, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1979;7(1):1-4 (Eng. Abstr.) **(Chi)**
[Experiences in developing regional immunization programs (author's transl)] Zhang HJ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1980 May; 14(2):103-5 **(Chi)**
[Some difficulties in integrating the fight against tuberculosis] Baranetchi C, et al. **Rev Ig [Pneumoftiziol]** 1981 Apr-Jun; 30(2):123-8 **(Rum)**
[Feedback elements resulting from the evaluation of the efficacy, efficiency and effectiveness of integrated measures in the fight against tuberculosis. Co-report] Bulla A. **Rev Ig [Pneumoftiziol]** 1981 Apr-Jun;30(2):107-10 **(Rum)**
[Experiment on the partial integration of bacteriological tests for tuberculosis at several laboratories in a circumscribed area] Ticău S, et al. **Rev Ig [Pneumoftiziol]** 1981 Apr-Jun; 30(2):93-8 (Eng. Abstr.) **(Rum)**
[Population participation in the epidemiological study of the incidence of dyslipoproteinemias and ischemic heart disease among men aged 40-59 in Leningrad] Katrushenko AG, et al. **Kardiologiia** 1981;21(1):72-7 (Eng. Abstr.) **(Rus)**
[Mental health of the adult. II: Psychiatric care, mental health programs and alcoholism control programs in the East area of Santiago (author's transl)] Florenzano Urzua R. **Rev Med Chil** 1980 Aug;108(8):743-8 (Eng. Abstr.) **(Spa)**
[A comparison between a Finnish and a Swedish health care program. Treatment of low back pain] Osterman K. **Nord Med** 1980 Oct;95(10):251-2 **(Swe)**

ORGANIZATION & ADMINISTRATION

Pilot project for a statewide consumer drug information service [letter] Lee B, et al. **Am J Hosp Pharm** 1980 Sep; 37(9):1176
A statewide decentralized public drug information system. Montagne M, et al. **Am J Hosp Pharm** 1980 Sep; 37(9):1211-5
Designing information systems for health care executives. McLaughlin DB, et al. **Health Care Manage Rev** 1980 Spring;5(2):49-57
Screening for hypertension in an elderly population: report from the Dunedin Program. Hale WE, et al. **J Am Geriatr Soc** 1981 Mar;29(3):123-5
The Heme-Occult Program in Northwest Ohio. Steinberg D, et al. **Ohio State Med J** 1981 Mar;77(3):173-4
The development of a pediatric emergency transport system. Dobrin RS, et al. **Pediatr Clin North Am** 1980 Aug; 27(3):633-40
[Organization of cardiological care in the territory] Cecati V. **G Ital Cardiol** 1980;10(12):1715-8 **(Ita)**

REGIONAL PERFUSION see **PERFUSION, REGIONAL**

REGISTRIES

A plea for the implementation of myocardial infarction registers in Belgium [editorial] Kornitzer M. **Acta Cardiol (Brux)** 1981;36(3):151-3
The Aberdeen Obstetric Data Bank. Thompson B, et al. **Acta Genet Med Gemellol (Roma)** 1979;28(4):375-6
EEC Concerted Action Project--European Congenital Anomalies and Twins (Eurocat). Weatherall JA, et al. **Acta Genet Med Gemellol (Roma)** 1979;28(4):377-9
Automated follow-up facilities in Canada for monitoring delayed health effects. Smith ME, et al. **Am J Public Health** 1980 Dec;70(12):1261-8
Cancer registry: aims, functions and quality control. Saxén EA. **Arch Geschwulstforsch** 1980;50(6):588-97
Registry of experimental digestive tract tumours in europe. Martin MS. **Biomedicine** 1981 Feb;34(1):54-60
Routine neonatal screening for phenylketonuria in the United Kingdom 1964-78. Medical Research Council Steering Committee for the MRC/DHSS Phenylketonuria Register. **Br Med J [Clin Res]** 1981 May 23;282(6277):1680-4
The Oxfordshire mental handicap register. Elliott D, et al. **Br Med J [Clin Res]** 1981 Mar 7;282(6266):789-92
Simple computerised disease register. Meldrum D. **Br Med J [Clin Res]** 1981 Jan 17;282(6259):191-4
Regional program for the study of glomerulonephritis. Central Committee of the Toronto Glomerulonephritis Registry. **Can Med Assoc J** 1981 Jan 15;124(2):158-61
Familial polyposis and the role of the preventive registry [editorial] Berk T, et al. **Can Med Assoc J** 1981 Jun 1; 124(11):1427-8
The effect of diagnostic review on the estimated incidence of lymphatic and hematopoietic neoplasms in Western Australia. Dougan LE, et al. **Cancer** 1981 Aug 1; 48(3):866-72
'Lost to follow-up': reasons for discontinued surveillance in a follow-up register. Scottish automated follow-up register group. Jones SJ, et al. **Community Med** 1981 Feb;3(1):25-30
A prospective health register for children 0-7 years of age. Lycksell A, et al. **Comput Programs Biomed** 1980 Dec; 12(2-3):273-8
Tuberculosis register and surveillance system of tuberculosis in the Czech Socialist Republic. Daňková D, et al. **Czech Med** 1980;3(2):108-13
Cancer becomes a reportable disease in Delaware. Whitney LW. **Del Med J** 1980 Aug;52(8):419
The Pittsburgh insulin-dependent diabetes mellitus (IDDM) registry. The incidence of insulin-dependent diabetes mellitus in Allegheny County, Pennsylvania (1965-1976). LaPorte RE, et al. **Diabetes** 1981 Apr;30(4):279-84
Epidemiological studies of diabetes mellitus in Denmark. I. A case finding method based on the National Service Conscript Registry. Green A, et al. **Diabetologia** 1980 Oct; 19(4):355-8
Placental tissue registry. Analysis of the first 500 cases. Cipparone JR, et al. **Diagn Gynecol Obstet** 1981 Spring; 3(1):19-26
The International Register of Potentially Toxic Chemicals (IRPTC). Huismans JW. **Ecotoxicol Environ Safety** 1980 Dec;4(4):393-403
Registry evaluation methods: a review and case study. Goldberg J, et al. **Epidemiol Rev** 1980;2:210-20 (47 ref.)
A register of social and medical indices by local government area in Edinburgh and the Lothians. Kreitman N, et al. **Health Bull (Edinb)** 1980 Sep;38(5):207-9
Design and future uses of national dose registers for regulatory control and epidemiology. Newcombe HB. **Health Phys** 1980 Nov;39(5):783-96
Nurse registries: part of the problem, or part of the solution? [editorial] **Hospitals** 1981 Mar 16;55(6):65
State association forms own registry. **Hospitals** 1981 Mar 16; 55(6):83
Planned supplemental staffing is a practical alternative. Anzalone C. **Hospitals** 1981 Mar 16;55(6):70-3
Agencies fill a need but are not the answer. Nielsen B. **Hospitals** 1981 Mar 16;55(6):66-9
Supplemental staffing: can it be cost-effective? Thompson DD. **Hospitals** 1981 Mar 16;55(6):74-7
Innovative plan solves nurse shortage problem. Weiss RE, et al. **Hospitals** 1981 Mar 16;55(6):78-84
French mesothelioma register: critical appraisal of the registered data. Perdrizet S, et al. **IARC Sci Publ** 1980; 2(30):697-701
Population based cancer registry: need and importance to the community. Jussawalla DJ, et al. **Indian J Cancer** 1980 Sep;17(3):146-8
The registration and certification of deaths in the West of Ireland. A follow-up study. Dean G, et al. **Ir Med J** 1980 Jul;73(7):269-70
Through education we can grow. Pierce RM. **J Am Optom Assoc** 1981 Jan;52(1):21-3
Arkansas' high risk registry: early identification of infant deafness. Colclasure JB, et al. **J Arkansas Med Soc** 1980 Aug;77(3):129-31
Florida statewide cancer data system. Howell JT, et al. **J Fla Med Assoc** 1981 May;68(5):361-4
A six year regional report on the oral tumor registry and lesions diagnosed in the School of Dentistry Biopsy Service University of Oregon Health Sciences Center (Portland, Oregon). Thompson CC. **J Oral Med** 1981 Jan-Mar; 36(1):11-5
Cancer registries in the evaluation of occupational cancer. Teppo L. **J Toxicol Environ Health** 1980 Sep-Nov; 6(5-6):1109-14
From the NIH: NIH establishes patient registry to evaluate continuous ambulatory peritoneal dialysis. **JAMA** 1981 Sep 4;246(10):1072
Uses of cancer registration in the study of carcinogenesis. Clemmesen J. **JNCI** 1981 Jul;67(1):5-13
A method for converting a disease registry's case-load to a new classification of diagnostic codes. Colls MH. **Med Inf (Lond)** 1980 Apr-Jun;5(2):121-30
A community-based hypertension register as a part of a systematic hypertension control project: experiences from

the North Karelia project. Elo J, et al. **Med Inf (Lond)** 1981 Jan-Mar;6(1):57-72

Congenital malformations register in Western Australia. Seward JF, et al. **Med J Aust** 1981 Mar 7;1(5):218-9, 222-4

'Hands on' computer tabulation of a cumulative case register. Grad de Alarcon J, et al. **Methods Inf Med** 1981 Apr; 20(2):67-75

The California registration system for habitues to schedule II drugs. Tennant FS Jr. **Natl Inst Drug Abuse Res Monogr Ser** 1980;(34):193-8

Coverage for meningococcal disease in the Norwegian morbidity and mortality statistics. With reference to incidence and fatality trends. Gedde-Dahl TW, et al. **NIPH Ann** 1980 Dec;3(2):31-5

Medical registration in the future; a basic and a vocational register? Gowland H. **NZ Med J** 1980 Jul 9;92(663):18-21

Goodwill registry valuates medical practices. Beck LC, et al. **Pa Med** 1981 Jul;84(7):26

Cancer registration and etiology studies in East and Central Africa. Cook-Mozaffari P. **Prog Clin Biol Res** 1981; 53:87-98

Cancer patterns in Africa. The influence of registration bias. Templeton AC. **Prog Clin Biol Res** 1981;53:99-110

Current status of rheumatic fever control programs in the United States. Kaplan EL. **Public Health Rep** 1981 May-Jun;96(3):267-8

Child Abuse Registry in Georgia: three years of experience. McCarthy BJ, et al. **South Med J** 1981 Jan;74(1):11-6

International human pancreas and islet transplant registry. Sutherland DE. **Transplant Proc** 1980 Dec;12(4 Suppl 2):229-36

Hospital cancer programs and registries: what good are they? [editorial] Lawrence W Jr. **Va Med** 1980 Oct;107(10):708-9

Data management for the International Registry of Reproductive Pathology using SNOMED coding and computerization. Cordes DO, et al. **Vet Pathol** 1981 May; 18(3):342-50

Vital registration systems in five developing countries: Honduras, Mexico, Philippines, Thailand, and Jamaica. **Vital Health Stat** [2] 1980 Oct;2(79):1-159

The person-number systems of Sweden, Norway, Denmark, and Israel. Lunde AS, et al. **Vital Health Stat** [2] 1980; 2(84):1-59

Strategies for the development of a coherent cancer statistics system. Waterhouse JA. **World Health Stat Q** 1980; 33(3):185-96 **(Eng, Fre)**

Malignant lymphoma reference centres: GDR, Hungary and Poland, 1979. Kelényi G, et al. **Zentralbl Allg Pathol** 1981; 125(2):122-7

[Stroke registration among workers and their family members of the Capital Iron and Steel Plant for the years 1974—1977 (author's transl)] **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1979;7(1):9-13 (Eng. Abstr.) **(Chi)**

[A polyposis registry (editorial)] Büllow S, et al. **Ugeskr Laeger** 1980 Jul 7;142(28):1839-40 **(Dan)**

[Trauma registration (editorial)] Ebskov B. **Ugeskr Laeger** 1980 Sep 22;142(39):2573-4 **(Dan)**

[State of health of 19 000 schoolchildren. Attempted registration] Ibsen KK, et al. **Ugeskr Laeger** 1980 Sep 29; 142(40):2656-60 (Eng. Abstr.) **(Dan)**

[News from the French cancer registry of Doubs (author's transl)] Schraub S, et al. **Bull Cancer (Paris)** 1980; 67(2):225-7 (Eng. Abstr.) **(Fre)**

[Should cancer be a reportable disease? (author's transl)] Brenier JL. **Chirurgie** 1980 Oct;106(8):566-70 (Eng. Abstr.) **(Fre)**

[Information from the medical service. II. Transition to the national records of occupational medicine] Amphoux M. **Nouv Presse Med** 1980 Mar 29;9(15):1094 **(Fre)**

[What is the state of medical information?] Ducrot H. **Nouv Presse Med** 1980 May 31;9(24):1681-4 **(Fre)**

[Obligation to document front tooth injuries in adolescents for forensic purposes] Herforth A. **Dtsch Zahnaerztl Z** 1980 Feb;35(2):235-7 (Eng. Abstr.) **(Ger)**

[Central tumor registry, Society for Pediatric Oncology. First report (author's transl)] Harms D, et al. **Klin Paediatr** 1980 Mar;192(2):99-108 (Eng. Abstr.) **(Ger)**

[Serial EEG-examinations in children undergoing chemotherapy of ALL according to the Berlin-West-protocol (author's transl)] Korinthenberg R, et al. **Klin Paediatr** 1980 Mar;192(2):142-9 (Eng. Abstr.) **(Ger)**

[Organization and value of an organ-specific cancer register for testicular cancers] Hildenbrand G, et al. **Med Welt** 1980 Oct 31;31(44):1573-6 **(Ger)**

[Quality control. Aspects of consultation and the register in pathology] Mohr HJ. **Pathologe** 1980 May;1(3):121-4 **(Ger)**

[Guidelines for the registration of patients treated for tuberculous and non-tuberculous lung diseases in 1980] **Orv Hetil** 1981 Apr 5;122(14):833 **(Hun)**

[Activities of the Malignant Lymphoma Reference Center] Balázs L, et al. **Orv Hetil** 1980 Jul 20;121(29):1795-6 **(Hun)**

[Infarct registry--analysis after a decade] Jánosi A, et al. **Orv Hetil** 1981 Mar 22;122(12):697-703 **(Hun)**

[Proposal for a regional registry of patients in dialysis] Piccoli G, et al. **Minerva Nefrol** 1980 Jul-Sep;27(3):529-34 (Eng. Abstr.) **(Ita)**

[Evaluation of the reliability of the data from death certificates and anatomopathological reports compiled in a cancer registry] Fibbi L, et al. **Pathologica** 1979 Sep-Oct; 71(1015):683-8 (Eng. Abstr.) **(Ita)**

[Preliminary analysis of the Polish lymphoma register: usefulness of the Kiel classification for clinical characteristics and evaluation of therapeutic results] Mioduszewska O, et al. **Nowotwory** 1980 Apr-Jun; 30(2):109-17 (Eng. Abstr.) **(Pol)**

[Register of myocardial infarct mortality in Bytom] Drzewiecki J, et al. **Pol Tyg Lek** 1980 Jun 23;35(25):937-40 (Eng. Abstr.) **(Pol)**

[Soviet toxicology center of the International Registry of Potentially Toxic Chemical Substances, a coordinating link in the system of preventive toxicology institutions] Sanotskii IV, et al. **Gig Sanit** 1981 Jan;(1):93-4 **(Rus)**

[Myocardial infarct register in Vologda] Banshchikov GT, et al. **Kardiologiia** 1981 Jun;21(6):59-62 **(Rus)**

[Methodological problems of creating an automated register of the arterial hypertension population] Drozhzhin VM, et al. **Med Tekh** 1980 Nov-Dec;(6):31-5 (Eng. Abstr.) **(Rus)**

[Register of hemoblastoses (the organization and management problems of dispensary care)] Lebedev VN. **Sov Med** 1980; (11):102-5 **(Rus)**

[Underregistration of birth rates and mortality in a rural community of Mexico] Canales JL, et al. **SPM** 1980 Mar-Apr;22(2):123-34 (Eng. Abstr.) **(Spa)**

[National Registry of the Handicapped. Report of 24,375 cases] Ibarra LG, et al. **SPM** 1980 Mar-Apr;22(2):179-89 (Eng. Abstr.) **(Spa)**

STANDARDS

The Milton Helpern International Center for the Forensic Sciences. A reference center in forensic medicine. Eckert WG, et al. **Am J Forensic Med Pathol** 1980 Mar;1(1):9-18

A joint effort to mediate the 'outside source' staffing dilemma. Chaska NL, et al. **J Nurs Adm** 1980 Dec;10(12):13-8

The point accuracy of paediatric population registers. Heward J, et al. **J R Coll Gen Pract** 1980 Jul;30(216):412-6

[Evaluation of the comprehensiveness of a cancer register from death certificates] Wietlisbach V, et al. **Soz Praeventivmed** 1980 Sep;25(4):170-2 (Eng. Abstr.) **(Fre)**

[10-year experience with obligatory registration of amputees] Kullmann L, et al. **Orv Hetil** 1981 Feb 15;122(7):387-90 **(Hun)**

REGRESSION ANALYSIS

Interpretation of research data: regression analysis. Nelson AA Jr. **Am J Hosp Pharm** 1981 Feb;38(2):224-30

Multiple regression analysis predictor models in exotropia surgery. Gordon YJ, et al. **Am J Ophthalmol** 1980 Nov; 90(5):687-91

Cranial capacity/cranial base relationships and prediction of vault form: a canonical correlation analysis. Taylor JV, et al. **Am J Phys Anthropol** 1980 Jul;53(1):151-8

A nonlinear regression program for small computers. Duggleby RG. **Anal Biochem** 1981 Jan 1;110(1):9-18

A stepwise variable selection procedure for nonlinear regression models. Peduzzi PN, et al. **Biometrics** 1980 Sep; 36(3):511-6

Use of prognostic factors in analysis of historical control studies. Gehan EA, et al. **Cancer Treat Rep** 1980 Feb-Mar; 64(2-3):373-9

Some comments on linear regression analysis by the method of W. E. Deming [letter] Hathaway NR. **Clin Chem** 1980 Sep;26(10):1511

Diagnostic value of the oral glucose tolerance test evaluated with a mathematical model. Jansson L, et al. **Comput Biomed Res** 1980 Dec;13(6):512-21

Nonlinear least-squares regression analysis in pharmacokinetics: application of a programmable calculator in model parameter estimation. Muir KT. **Comput Biomed Res** 1980 Aug;13(4):307-16

A program for non-linear regression analysis to be used on desk-top computers. Koeppe P, et al. **Comput Programs Biomed** 1980 Dec;12(2-3):121-8

Weibull: a regression model for survival time studies. O'Quigley J, et al. **Comput Programs Biomed** 1980 Aug; 12(1):14-8

Two-compartment Markov regression analysis. Smith EO, et al. **Comput Programs Biomed** 1980 Dec;12(2-3):129-40

Improving accuracy in multiple regression estimates of population using principles from causal modelling. Swanson DA. **Demography** 1980 Nov;17(4):413-27

Estimation of the reliability of parameters obtained by non-linear regression. Duggleby RG. **Eur J Biochem** 1980 Aug;109(1):93-6

A comparison of clinical behavioral audiometry and autoregression analysis of EEG and heart rate in hearing-impaired children. Crowell DH, et al. **J Aud Res** 1979 Jul;19(3):167-72

Covariance adjustment of rates based on the multiple logistic regression model. Lee J. **J Chronic Dis** 1981;34(8):415-26

Monitoring infectious diseases using routine microbiology data. II. An example of regression analysis used to study infectious gastroenteritis. Tillett HE. **J Hyg (Lond)** 1981 Feb;86(1):59-69

Analysis of neonatal mortality [letter] Paneth N, et al. **J Pediatr** 1981 Sep;99(3):503-4

[Regression analysis of the heart rate increase in children during linearly increasing work load on a bicycle ergometer] Steyer GE, et al. **Eur J Applied Physiol** 1981; 46(3):293-303 **(Ger)**

[Empiric regression as a method for 'parameter-free' refining and evaluation of morphometric data for functional stochastic relations between random variables] Peil J, et al. **Gegenbaurs Morphol Jahrb** 1980;126(2):221-7 (Eng. Abstr.) **(Ger)**

[Selection of a statistical model for evaluation of the reliability of the results of toxicological analyses. I. Discussion on selected statistical models for evaluation of the systems of control of the results of toxicological analyses] Antczak K, et al. **Med Pr** 1980;31(4):283-8 (Eng. Abstr.) **(Pol)**

[Use of regression analysis in studying the effect of the work load on the body resistance of female weavers] Silant'ev VV, et al. **Gig Tr Prof Zabol** 1980 Oct;(10):27-9 (Eng. Abstr.) **(Rus)**

REGRESSION (PSYCHOLOGY)

The cult phenomenon: transition, repression, and regression. Feinstein SC. **Adolesc Psychiatry** 1980;8:113-22

Inconsistency in hypnotic age regression and cue structure as supplied by the hypnotist. McConkey KM, et al. **Int J Clin Exp Hypn** 1980 Oct;28(4):394-408

Further exploration of the schizophrenic regression to the undifferentiated state. A study of the 'assessment of the unconscious'. Katan M. **Int J Psychoanal** 1979;60(Pt 2):145-75

CNV and hypnotic regression. Rizzo PA, et al. **Prog Brain Res** 1980;54:454-7

Regression: some general considerations. Loewald HW. **Psychoanal Q** 1981;50(1):22-43

[Regression and revitalization in hypnosis. Doubts and certainties, therapeutic utility] Granone F. **Minerva Med** 1981 May 12;72(19):1179-88 **(Ita)**

REGULATION OF GENE EXPRESSION see **GENE EXPRESSION REGULATION**

REGURGITATION, AORTIC VALVE see **AORTIC VALVE INSUFFICIENCY**

REGURGITATION, GASTRIC see **ESOPHAGEAL REFLUX**

REHABILITATION

see related
DISABILITY EVALUATION
HALFWAY HOUSES

Significance of facial plastic operations in psychical and social rehabilitation. Goldstein J, et al. **Acta Chir Plast (Prague)** 1980;22(3):129-33

Developing word-identification skills within a total communication program. Geoffrion LD. **Am Ann Deaf** 1981 Feb;126(1):49-56

Report of communication method usage by teachers of deaf-blind children--Part II. Jensema CK. **Am Ann Deaf** 1981 Jun;126(4):392-4

Interactions of deaf mothers and deaf preschool children: comparisons with three other groups of deaf and hearing dyads. Meadow KP, et al. **Am Ann Deaf** 1981 Jun; 126(4):454-68

Modification of communication by a small deaf girl. Preisler G. **Am Ann Deaf** 1981 Jun;126(4):411-6

The modern family and rehabilitation of the handicapped: a macrosociological view. Zisserman L. **Am J Occup Ther** 1981 Jan;35(1):13-20

Professional association with chiropractors [editorial] **Arch Phys Med Rehabil** 1981 Jan;62(1):1-4

Rehabilitation service needs: physicians' perceptions and referrals. Brogan DR. **Arch Phys Med Rehabil** 1981 May; 62(5):215-9

ACRM presidential address. On interdisciplinary peers. Fordyce WE. **Arch Phys Med Rehabil** 1981 Feb;62(2):51-3

Vocational status: prediction by the Barthel index and PULSES profile. Goldberg RT, et al. **Arch Phys Med Rehabil** 1980 Dec;61(12):580-3

Walter J. Zeiter lecture: of species and specialties. Gordon EE. **Arch Phys Med Rehabil** 1981 Jan;62(1):9-12

Rehabilitation issues from an insurer's viewpoint: past, present, future. Mittelmann M. **Arch Phys Med Rehabil** 1980 Dec;61(12):587-91

The multidisciplinary approach to rehabilitation. Correll D. **Aust Fam Physician** 1981 Jan;10(1):7-9

Veterans Administration Rehabilitative Engineering Research and Development Service Programs. **Bull Prosthet Res** 1980 Fall;17(2):65-130

VA rehabilitation Engineering Center (VAREC). **Bull Prosthet Res** 1980 Fall;17(2):131-43

In praise of progress reports. Murphy EF. **Bull Prosthet Res** 1980 Fall;17(2):1-4

1981: International Year of Disabled Persons [editorial] Gingras G. **Can Med Assoc J** 1981 Jan 1;124(1):7

Communication aids for the deaf. Fallside F. **Endeavour** 1979; 3(2):63-8

Do the topics in rehabilitation research correspond with the frequencies of rehabilitation cases? Bintig A, et al. **Int J Rehabil Res** 1980;3(4):529-31

Cognitive assist in motor learning. Gonella C. **Int J Rehabil Res** 1980;3(4):568-9

Clinical application of longitudinal functional assessment. Rintala DH, et al. **Int J Rehabil Res** 1980;3(3):371–4
Use of social resources by the disabled: primary and secondary group influences. Smith RT. **Int J Rehabil Res** 1980;3(4):469–83
The International Rehabilitation Medicine Association. **Int Rehabil Med** 1979;1(2):44–7
Rehabilitation medicine in Italy [editorial] Boccardi S. **Int Rehabil Med** 1979;1(3):98–9
Rehabilitation problems in geriatric medicine [editorial] Huber F. **Int Rehabil Med** 1979;1(3):96–8
Rehabilitation in Israel. Najenson T. **Int Rehabil Med** 1980; 2(1):35–6
Rehabilitation and resettlement of the working adult in the U.K. Nichols PJ. **Int Rehabil Med** 1979;1(3):138–43
The practice of research in rehabilitation--a personal view. Nichols PJ. **Int Rehabil Med** 1979;1(2):73–8 (28 ref.)
Rehabilitation of the disabled: the role of social networks in the recovery process. Smith RT. **Int Rehabil Med** 1979; 1(2):63–72
Programme for disability prevention and medical rehabilitation in countries of South-East Asia region. Thangavelu M. **Int Rehabil Med** 1980;2(3):153–5
The welfare of the handicapped in the People's Republic of China. Dixon J. **J Rehabil** 1981 Apr–Jun;47(2):66–71
The history of the development of the Physician Rehabilitation Committee. Berman JI, et al. **Md State Med J** 1980 Oct;29(10):40–3
Characteristics of the first 70 physicians referred to the Physician Rehabilitation Committee, 1978–80. Chambers JF. **Md State Med J** 1980 Oct;29(10):44
The Maryland Physician Rehabilitation Committee program. Coller JE. **Md State Med J** 1980 Oct;29(10):36–9
Rehabilitation of the elderly. Ford B. **Med J Aust** 1981 Apr 18;1(8):392–6
A proposal for impaired Air Force physicians. Corcoran JF, et al. **Milit Med** 1980 Dec;145(12):821–3
Quality of life--the ultimate goal in rehabilitation. Crewe NM. **Minn Med** 1980 Aug;63(8):586–9
The use of paraprofessionals in achieving independent living for severely handicapped persons. Frith GH. **Rehabil Lit** 1981 Jan–Feb;42(1–2):18–20, 25
Occupational information systems and their use in rehabilitation. Kruger R. **Rehabil Lit** 1980 Sep–Oct; 41(9–10):229–34
Increasing counselor–client communication. Makas E. **Rehabil Lit** 1980 Sep–Oct;41(9–10):235–8
Unemployment and the disabled. Sheikh K, et al. **Rheumatol Rehabil** 1980 Nov;19(4):233–8
A prediction score for geriatric rehabilitation projects. Stewart CP. **Rheumatol Rehabil** 1980 Nov;19(4):239–45
Auxiliary aids for the hearing-handicapped in Sweden: problems and actions. Fagerberg G. **Scand Audiol [Suppl]** 1978;(Suppl 8):82–6
Communication devices in addition to hearing aids. Prescription, evaluation and utilization. Lundborg T. **Scand Audiol [Suppl]** 1978;(Suppl 8):71–81
[Coordinated care of physically handicapped children and adolescents] Křivánek F. **Cesk Pediatr** 1981 Mar; 36(3):142–6 **(Cze)**
[Rehabilitation in geriatric care (author's transl)] Gadomski M, et al. **Rehabilitation (Stuttg)** 1980 Feb;19(1):20–3 (Eng. Abstr.) **(Ger)**
[Direction for counseling services for the rehabilitation of handicapped. 13. Counseling of upper limb amputees] Marquardt E. **Rehabilitation (Stuttg)** 1980 Feb;19(1):I–XV **(Ger)**
[The disabled--object or partner of rehabilitation? (author's transl)] Meinecke FW. **Rehabilitation (Stuttg)** 1981 Feb; 20(1):5–7 (Eng. Abstr.) **(Ger)**
[A medical view of the rank of technical aids in rehabilitation (author's transl)] Paeslack V. **Rehabilitation (Stuttg)** 1981 Feb;20(1):28–32 (Eng. Abstr.) **(Ger)**
[Various aspects of rehabilitation of the severely handicapped and of the mentally retarded] Presber W. **Z Aerztl Fortbild (Jena)** 1979 Oct 1;73(19–20):978–81 **(Ger)**
[Importance of the architecturally structured environment for the successful rehabilitation of the handicapped] Burkhardt E. **Z Gesamte Hyg** 1981;27(2):132–4 (Eng. Abstr.) **(Ger)**
[Rehabilitation services in territorial public health institutions] Ibarra LG. **Z Gesamte Hyg** 1981;27(2):111–3 (Eng. Abstr.) **(Ger)**
[International Conference on Rehabilitation Engineering and the exhibition at the 14th World Congress of Rehabilitation International] Presber W. **Z Gesamte Hyg** 1981;27(2):121–3 (Eng. Abstr.) **(Ger)**
[Importance of social hygiene for the rehabilitation of the disabled in East Germany] Renker K. **Z Gesamte Hyg** 1981; 27(2):107–8 (Eng. Abstr.) **(Ger)**
[Special features of rehabilitation of senior citizens] Renker K. **Z Gesamte Hyg** 1980;26(12):932–4 (Eng. Abstr.) **(Ger)**
[Leisure time organization as a task of the rehabilitation of older citizens] Siggelkow H. **Z Gesamte Hyg** 1981; 27(2):125–7 (Eng. Abstr.) **(Ger)**
[Rehabilitation at an advanced age] Siggelkow H. **Z Gesamte Hyg** 1980 Mar 3;26(3):214–8 (Eng. Abstr.) **(Ger)**
[Rehabilitation in East Germany] Tischendorf R, et al. **Z Gesamte Hyg** 1981;27(2):97–101 **(Ger)**
[Social security for the physically and mentally handicapped and provision for rehabilitation services in East Germany] Ulbricht H. **Z Gesamte Hyg** 1981;27(2):127–31 (Eng. Abstr.) **(Ger)**
[The concept of rehabilitation in orthopedics] Friedebold G. **Z Orthop** 1980;118(3):405–11 (Eng. Abstr.) **(Ger)**
[Care and rehabilitation of the physically handicapped] Ringelstetter A. **ZFA (Stuttgart)** 1980 Apr 20; 56(11):799–802 **(Ger)**
[Activities of everyday living of the physically disabled] Ribeiro LD. **Acta Med Port** 1980 Mar–Apr;2(2):169–73 (Eng. Abstr.) **(Por)**
[The current concept of recuperation in medicine] Lungu I. **Rev Med Chir Soc Med Nat Iasi** 1980 Apr–Jun; 84(2):189–94 **(Rum)**
[Sociomedical rehabilitation of those disabled from childhood] Nikitina MN. **Pediatriia** 1981 Feb;(2):3–5 **(Rus)**
[Rehabilitation of children with multiple and varied handicaps as an interdiscipline socio-pediatric task] Hellbrügge T. **Rev Chil Pediatr** 1981 Jan–Feb;52(1):101–4 **(Spa)**

ECONOMICS

Quality of life in benefit-cost analyses of rehabilitation research. Cardús D, et al. **Arch Phys Med Rehabil** 1981 May;62(5):209–12
Proposed rehabilitation research or demonstration projects: estimating target population size. Fuhrer MJ, et al. **Arch Phys Med Rehabil** 1981 Apr;62(4):156–60
Prevention and rehabilitation as a means of cost containment: the example of myocardial infarction. Luginbuhl WH, et al. **J Public Health Policy** 1981 Jun;2(2):103–15
A cooperative partnership. Public/private rehabilitation during recession. Matkin RE. **J Rehabil** 1980 Oct–Dec; 46(4):58–61
[Work and the problems of rural pensions] Baun F. **Oeff Gesundheitswes** 1980 Oct;42(10):687–9 **(Ger)**
[Introduction to current topics] Engelbart HH. **Oeff Gesundheitswes** 1980 Oct;42(10):690–3 **(Ger)**

EDUCATION

Undergraduate instruction in physical medicine and rehabilitation. Sorell DA, et al. **Arch Phys Med Rehabil** 1981 May;62(5):220–3
Mechanisms and agents of occupational socialization for orientation and mobility specialists in training. Peck AF. **Int J Rehabil Res** 1980;3(4):550–3
Postgraduate education in rehabilitation medicine in Spain. García-Alsina J. **Int Rehabil Med** 1980;2(4):210–2
An account of two in-service courses. Hall M. **J R Coll Gen Pract [Occas Pap]** 1980;(14):21–2
Training independent living rehabilitation specialists. Roessler RT. **J Rehabil** 1981 Apr–Jun;47(2):36–9
Knowledge transfer: how the united states benefits from an international exchange of experts in rehabilitation. Woods DE. **J Rehabil** 1981 Apr–Jun;47(2):40–2, 80
The Department of Physical Medicine and Rehabilitation in the University of Minnesota Medical School--patient care, education, and research. Olson ME. **Minn Med** 1980 Aug; 63(8):557–62
Education in rehabilitation--sideshow or main event? Kenedi RM. **Physiotherapy** 1980 Nov;66(11):364–6
[What are further requirements of medical education with regard to rehabilitation?] Jochheim KA. **Fortschr Med** 1980 Jun 26;98(24):911–2 **(Ger)**
[Professional training of social workers/social educators for disability work/rehabilitation - ten theses for a curricular concept (author's transl)] Moosbauer W. **Rehabilitation (Stuttg)** 1980 Nov;19(4):226–31 (Eng. Abstr.) **(Ger)**

HISTORY

Brief history of the treatment of disabled citizens--since the beginning of written history. Smith WC. **Am Correct Ther J** 1980 Nov–Dec;34(6):182–3
[Development of rehabilitation services in Magdeburg District from 1976 to 1980] Patz G, et al. **Z Gesamte Hyg** 1981;27(2):113–7 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

Independent living centres. Collins RJ, et al. **Aust Fam Physician** 1981 Jan;10(1):37–8
Beat the drum faster, please. Dietl D. **J Rehabil** 1980 Oct–Dec;46(4):16–20, 46, 69, 76

LEGISLATION & JURISPRUDENCE

When legislation precedes the state of the art in teacher training: problems and implications. Tymitz BL. **Int J Rehabil Res** 1980;3(4):485–95
Disabled and nondisabled persons' satisfaction with conditions in the world of work before and after the Rehabilitation Act of 1973. Rubin SE, et al. **Rehabil Lit** 1981 May–Jun;42(5–6):138–42

MANPOWER

Diagnosis: a physiatric tool for recruitment. Honet JC. **Arch Phys Med Rehabil** 1981 Jan;62(1):5–8
Physiatrists: career development and professional interests. Kumar VN, et al. **Arch Phys Med Rehabil** 1981 Jan; 62(1):28–31
The rehabilitation team: future direction. Rothberg JS. **Arch Phys Med Rehabil** 1981 Aug;62(8):407–10
The attitude of members of various social professions towards children with psychogenic disorders. Krisch K, et al. **Int J Rehabil Res** 1981;4(1):84–6
[Regional providers of social assistance and other organizations for aid to the handicapped status as of June 1980] Hellbrügge T, et al. **Fortschr Med** 1980 Jul 3; 98(25):966–9 **(Ger)**

METHODS

The 30th Coulter Memorial Lecture. Professionalism: a new challenge for rehabilitation. Joe TC. **Arch Phys Med Rehabil** 1981 Jun;62(6):245–50
Assessment for rehabilitation in the home. Penington G. **Aust Fam Physician** 1981 Jan;10(1):10–3
The influence of physical fitness training as a rehabilitation tool. Cross DL. **Int J Rehabil Res** 1980;3(2):163–75
Developmental approaches to therapeutic recreation programming: a new research focus. Kinney WB, et al. **Int J Rehabil Res** 1980;3(2):153–62
Electromyographic feedback in rehabilitation. Hurrell M. **Physiotherapy** 1980 Sep;66(9):293–8
Rehabilitation in the Swedish hospital. Hall B. **Rehabil Lit** 1980 Nov–Dec;41(11–12):290–1
[Thoughts on inpatient health care] Luchmann A. **Oeff Gesundheitswes** 1981 Apr;43(4):171–2 **(Ger)**
[Sports and motor development in rehabilitation of the disabled in the South of France - report of a study visit (author's transl)] Dordel HJ, et al. **Rehabilitation (Stuttg)** 1981 May;20(2):76–81 (Eng. Abstr.) **(Ger)**
[Tenth anniversary of Kuratorium fuer Therapeutisches Reiten e.V. (author's transl)] Riesser H. **Rehabilitation (Stuttg)** 1981 May;20(2):90–1 (Eng. Abstr.) **(Ger)**
[The relation between rehabilitation and pedagogy of handicapped children] Grossmann G, et al. **Z Gesamte Hyg** 1981;27(6):494–7 (Eng. Abstr.) **(Ger)**
[Stoma irrigation. One way to completely rehabilitate the ostomy patient] Rahmer H. **ZFA (Stuttgart)** 1980 May 10; 56(13):911–3 **(Ger)**
[Value of neurorehabilitative methods] Formica MM, et al. **Acta Neurol (Napoli)** 1980 Aug;35(4):315–23 (19 ref.) **(Ita)**
[Current problems of rehabilitating the handicapped in childhood] Sosso A. **Minerva Med** 1981 Jul 7; 72(27):1749–66 (Eng. Abstr.) **(Ita)**
[Functional, esthetic clothing in the rehabilitation of the disabled and orthopedic patients] Filatov VI, et al. **Ortop Travmatol Protez** 1980 Sep;(9):39–42 (Eng. Abstr.) **(Rus)**

NURSING

Rehabilitation: core of nursing. van Maanen HM. **Int Nurs Rev** 1981 Jan–Feb;28(1):9–14
Symposium on rehabilitation nursing. **Nurs Clin North Am** 1980 Jun;15(2):221–320

ORGANIZATION & ADMINISTRATION

The development of strategic guidelines for regional planning of rehabilitation services. Wood PH, et al. **Int Rehabil Med** 1980;2(3):143–52
[The severely disabled still in the shadow - reflections on equal opportunity and the further course of rehabilitation (author's transl)] Boll W. **Rehabilitation (Stuttg)** 1981 May; 20(2):69–71 (Eng. Abstr.) **(Ger)**
[Development of a comprehensive rehabilitation system for the handicapped in the USSR] Kazhiev MIu. **Z Gesamte Hyg** 1981;27(2):104–6 **(Ger)**
[New organizational structure for the complex rehabilitation of children and adolescents] Mizikowski Z, et al. **Z Gesamte Hyg** 1980;26(1):70–1 **(Ger)**
[Coordinated rehabilitation (news)] Hagberg B, et al. **Lakartidningen** 1980 Aug 27;77(35):2871–2 **(Swe)**

PSYCHOLOGY

The mental health of professionals who work with the developmentally disabled. Doernberg NL. **Am J Orthopsychiatry** 1980 Oct;50(4):585–7
Rehabilitation goes beyond diagnosis and cure. Mackey FG. **Hospitals** 1980 Oct 16;54(20):32, 36, 162
Emotional rehabilitation of the physical rehabilitation patient. Krueger DW. **Int J Psychiatry Med** 1981–82;11(2):183–91
Holistic approach to rehabilitation. Andrews HB. **J Rehabil** 1981 Apr–Jun;47(2):28–31
An evaluation-remediation model for serving people with significant handicaps. Schalock RL, et al. **Ment Retard** 1980 Oct;18(5):231–3
Barriers to the rehabilitation of the handicapped in Nigeria. Oyemade A, et al. **Public Health** 1981 Mar;95(2):82–6
[Psychosocial factors in rehabilitation (author's transl)] Heim E. **Praxis** 1981 Jan 27;70(5):150–6 (Eng. Abstr.) **(Ger)**
[Various aspects of the meaning and aims of rehabilitaton from a medico-psychological and health political viewpoint] Zimmermann W. **Z Aerztl Fortbild (Jena)** 1980 Mar 15;74(6):286–8 **(Ger)**

STANDARDS

The language of disablement: a glossary relating to disease and its consequences. Wood PH. **Int Rehabil Med** 1980; 2(2):86–92

1975–1980: Five long years or five short years? Boland JM. **J Rehabil** 1980 Oct–Dec;46(4):40–1

[Conditions and results of medico-social rehabilitation at the rehabilitation centre of Cologne University (author's transl)] Koch M, et al. **Rehabilitation (Stuttg)** 1981 Feb; 20(1):13–6 (Eng. Abstr.) **(Ger)**

TRENDS

Medical rehabilitation in the 1980s. Eckenhoff EA, et al. **Health Care Manage Rev** 1981 Spring;6(2):55–62

The future of rehabilitation services in Great Britain. Blaxter M. **Int Rehabil Med** 1980;2(4):199–209

Disability prevention programme in the Western Pacific region of WHO. Stern D. **Int Rehabil Med** 1980;2(2):93

Rehabilitation in Poland. Weiss M. **Int Rehabil Med** 1980; 2(2):94–5

COPD: a new frontier for rehabilitation in the 80s. Brooks JL, et al. **J Rehabil** 1981 Apr–Jun;47(2):32–5

Rehabilitation in the '80s. Collins MS. **J Rehabil** 1980 Oct–Dec;46(4):32–5

Contempo '81. Physical medicine and rehabilitation. Johnson EW. **JAMA** 1981 Jun 5;245(21):2215–6

[Philately in the service of rehabilitation (author's transl)] Bäsig W. **Rehabilitation (Stuttg)** 1981 May;20(2):86–9 (Eng. Abstr.) **(Ger)**

[New outlooks for the rehabilitation of the handicapped (international prospects)] Wiesinger R. **Z Gesamte Hyg** 1981;27(2):101–3 **(Ger)**

UTILIZATION

Provision of rehabilitation of the disabled on the community level. Helander E. **Proc R Soc Lond [Biol]** 1980 Jul 28; 209(1174):139–40

REHABILITATION CENTERS

The nurse as admission evaluator. Minor HE, et al. **Am J Nurs** 1981 Jan;81(1):118

Clinic for children with handicaps. Robinson T. **J Sch Health** 1980 Nov;50(9):541–2

Borgess Hospital has outstanding example of cardiac rehabilitation program. Boyce M. **Mich Med** 1981 Apr; 80(11):185–6

[Deinstitutionalization: myth or reality (present-day aspects of returning mentally ill patients to society in the United States] Reverzy M. **Ann Med Psychol (Paris)** 1980 Mar; 138(3):317–24 (Eng. Abstr.) **(Fre)**

['Le Peyry' readjustment centre (author's transl)] Coussy JP. **Neuropsychiatr Enfance Adolesc** 1980 Jul–Aug; 28(7–8):335–9 (Eng. Abstr.) **(Fre)**

[Ambulatory cardiovascular rehabilitation. Initial experiences of the Cardiovascular Rehabilitation Institute of Lausanne] Dufour RJ. **Rev Med Suisse Romande** 1981 Jan;101(1):37–9 **(Fre)**

[Theory of and experiences in institutionalized rehabilitation of the coronary patient in the Federal Republic of Germany] Halhuber MJ. **Rev Med Suisse Romande** 1981 Jan;101(1):15–20 **(Fre)**

[Institutionalized rehabilitation in German Switzerland] Niederhauser HU. **Rev Med Suisse Romande** 1981 Jan; 101(1):21–4 **(Fre)**

[Conditions and results of medico-social rehabilitation at the rehabilitation centre of Cologne University (author's transl)] Koch M, et al. **Rehabilitation (Stuttg)** 1981 Feb; 20(1):13–6 (Eng. Abstr.) **(Ger)**

[Special institutions as the means toward integration] Weiss M. **Z Gesamte Hyg** 1981;27(2):109–11 (Eng. Abstr.) **(Ger)**

[The importance of reconditioning camps in the complete treatment of adolescent diabetics] Michalková D, et al. **Cesk Pediatr** 1980 Dec;35(12):689–93 (Eng. Abstr.) **(Slo)**

[A nutrition rehabilitation unit for the treatment of severe infant malnutrition] Massa E, et al. **Arch Latinoam Nutr** 1980 Sep;30(3):417–31 (Eng. Abstr.) **(Spa)**

ORGANIZATION & ADMINISTRATION

Outpatient rehabilitation center keeps many elderly living at home. Campbell AJ, et al. **Hospitals** 1981 Jan 16; 55(2):101–2, 105

Rehabilitation goes beyond diagnosis and cure. Mackey FG. **Hospitals** 1980 Oct 16;54(20):32, 36, 162

Maryland rehabilitation center. Merani ER. **Md State Med J** 1981 May;30(5):90–1

Activity patterns of a stroke rehabilitation unit. Keith RA. **Soc Sci Med [Med Psychol Med Sociol]** 1980 Dec; 14A(6):575–80

[Structure and tasks of rehabilitation departments in general hospitals] Harych H. **Z Gesamte Hyg** 1981;27(6):487–93 (Eng. Abstr.) **(Ger)**

[Experience in organizing the rehabilitative treatment of orthopedic and traumatologic patients in a polyclinic rehabilitation center] Shestakova NA, et al. **Ortop Travmatol Protez** 1980 Sep;(9):59–65 **(Rus)**

[Mobile pediatric rehabilitation offices] Baranova ZP, et al. **Sov Med** 1980;(9):100–2 **(Rus)**

STANDARDS

Evaluation of a regional resource center for multiply-handicapped retarded children. Hetherington RW. **Int J Rehabil Res** 1981;4(1):73–5

UTILIZATION

Day care experiment proves cost-effective. Kaplan M. **Hospitals** 1981 Mar 1;55(5):101–4

REHABILITATION, VOCATIONAL

see related
EMPLOYMENT
SHELTERED WORKSHOPS

Correlation studies between employability, left ventricular hemodynamics and exercise ECG before and after aortocoronary bypass surgery. Nitter-Hauge S. **Acta Med Scand [Suppl]** 1981;645:1–7

Deaf-blind children with maternal rubella: implications for adult services. Lockett T, et al. **Am Ann Deaf** 1980 Nov; 125(8):1002–6

Vocational skill assessment of severely mentally retarded adults. Irvin LK, et al. **Am J Ment Defic** 1981 May; 85(6):631–8

The role of occupational therapy in the vocational rehabilitation process. The American Occupational Therapy Association. **Am J Occup Ther** 1980 Dec; 34(13):881–3

Training vocational rehabilitation counselors who work with chronic mental patients. Creasey DE, et al. **Am J Psychiatry** 1981 Aug;138(8):1102–6

Functional assessment in vocational rehabilitation: a systematic approach to diagnosis and goal setting. Crewe NM, et al. **Arch Phys Med Rehabil** 1981 Jul;62(7):299–305

Vocational evaluation: an individualized program. Weiss L. **Arch Phys Med Rehabil** 1980 Oct;61(10):453–4

Vocational rehabilitation for dialysis and transplant patients. Brown CJ, et al. **Health Soc Work** 1980 May;5(2):22–6

Predicting the community performance of vocational rehabilitation clients. Douzinas N, et al. **Hosp Community Psychiatry** 1981 Jun;32(6):409–13

Providing part-time jobs for older patients hospitalized in rural areas. Margolis H. **Hosp Community Psychiatry** 1980 Sep;31(9):634

Return to work after head injury: a review of post-war studies. Humphrey M, et al. **Injury** 1980 Sep;12(2):107–14

The effect of Facilitative Case Management training on rehabilitation counselor behavior. Farley RC. **Int J Rehabil Res** 1980;3(4):535–6

Effect of vocational rehabilitation on this family. Landwehrmann C. **Int J Rehabil Res** 1980;3(3):367–8

Model project for the development and testing of particular forms of the basic vocational training year for learning disordered and learning disabled adolescents with no contract of apprenticeship (special form) in various occupational fields (functional areas). Manner C. **Int J Rehabil Res** 1980;3(2):239–41

The development of a psychiatric rehabilitation service: a two year pilot project. Moss E, et al. **Int J Rehabil Res** 1980;3(1):45–55

Attempts at reintegrating psychically ill persons into working life. Pitsch R. **Int J Rehabil Res** 1981;4(1):88–90

Vocational disability and rehabilitation in multiple sclerosis. Scheinberg L, et al. **Int J Rehabil Res** 1981;4(1):61–4

Analyzing performance competencies of severely handicapped clients. Walls RT. **Int J Rehabil Res** 1981; 4(1):71–3

The Job Club in VR agencies: the effects of attendance and disincentives. Wesolowski MD, et al. **Int J Rehabil Res** 1980;3(4):531–2

Vocational integration and rehabilitation of severely physically handicapped. Documentation of technical work aids for the development of places of work designed for severely physically handicapped. Wieland K, et al. **Int J Rehabil Res** 1980;3(4):538–9

Vocational rehabilitation of a monocular aphakic low vision patient. Figazolo JF. **J Am Optom Assoc** 1980 Jan; 51(1):64–5

Inpatient management of the chronic pain patient: a one-year follow-up study. Tyre TE, et al. **J Fam Pract** 1981 May; 12(5):819–27

Development of prototype equipment for innovative employment of blind and partially sighted persons. Phillips SH, et al. **J Med Syst** 1980;4(2):215–26

Vocational rehabilitation and counterculture clients. Keller MJ, et al. **J Rehabil** 1980 Oct–Dec;46(4):47–9, 46

Vocational outcome in patients with spinal cord injury. Weidman CD, et al. **J Rehabil** 1981 Apr–Jun;47(2):63–5

Factors associated with completion of employment rehabilitation courses. Sheikh K, et al. **J Soc Occup Med** 1981 Jan;31(1):16–8

Industrial rehabilitation for leprosy patients-- merits and limitations [editorial] Samy CA. **Lepr India** 1981 Jan; 53(1):1–5

Federal legislation and the integration of special education and vocational rehabilitation. McInerney M, et al. **Ment Retard** 1981 Feb;19(1):21–3

An evaluation-remediation model for serving people with significant handicaps. Schalock RL, et al. **Ment Retard** 1980 Oct;18(5):231–3

Vocational rehabilitation in dialyzed patients. A cross-sectional study. Tews HP, et al. **Nephron** 1980; 26(3):130–6

Stair climbing and ability to work for paraplegics with complete lesions--a sixteen-year follow-up. McAdam R, et al. **Paraplegia** 1980 Jun;18(3):197–203

Employment of disabled people. Curtis J. **R Soc Health J** 1980 Dec;100(6):218–23

Toward an understanding of the rehabilitation of the disabled adolescent. Goldberg RT. **Rehabil Lit** 1981 Mar–Apr; 42(3–4):66–74

The emerging role of the administrative technician in the rehabilitation process. Jackson JL. **Rehabil Lit** 1980 Nov–Dec;41(11–12):284–8

Diabetes mellitus: implications for the rehabilitation professional. Jeffrey DL. **Rehabil Lit** 1981 Jul–Aug; 42(7–8):208–12

Alternative work patterns and rehabilitation. McMahon BT, et al. **Rehabil Lit** 1981 Jan–Feb;42(1–2):14–7

Consumer involvement: the Massachusetts Vocational Rehabilitation Program. Minch JA, et al. **Rehabil Lit** 1981 Jan–Feb;42(1–2):8–13

Some responses of vocational rehabilitation counselors to job placement. Olshansky S. **Rehabil Lit** 1981 Jan–Feb; 42(1–2):23–5

[Assessment of the working capacity in functional rehabilitation (author's transl)] Storm A. **Int J Rehabil Res** 1981;4(1):47–57 (Eng. Abstr.) **(Fre)**

[Return to work after reconstructive arterial surgery (author's transl)] Gedeon A, et al. **J Mal Vasc** 1980; 5(1):47–9 (Eng. Abstr.) **(Fre)**

[Rehabilitation of drug addicts. A short interview with Björn Engholm, federal cabinet minister for education and science] Engholm B. **Med Welt** 1980 Jul 11;31(28):217–8 **(Ger)**

[The rehabilitation function and the health politics status of social service in hospitals in West Germany] Hager B. **Oeff Gesundheitswes** 1981 Jun;43(6):276–9 **(Ger)**

[Professional situation of inpatients in a psychotherapeutic clinic (author's transl)] Volk W, et al. **Psychother Psychosom Med Psychol** 1980 Nov;30(6):280–5 (Eng. Abstr.) **(Ger)**

[Evaluation and reintegration of disabled people (author's transl)] Blumenthal W, et al. **Rehabilitation (Stuttg)** 1981 Feb;20(1):8–12 (Eng. Abstr.) **(Ger)**

[The professional integration of handicapped with special reference to dysmelics and spastics in the printing industry (letter)] Motz N. **Rehabilitation (Stuttg)** 1980 Nov; 19(4):235–7 **(Ger)**

[Some considerations on the integration of the disabled with particular regard to the placement of dysmelic and spastic persons in the printing industry (author's transl)] Treier P, et al. **Rehabilitation (Stuttg)** 1980 Feb;19(1):1–12 (Eng. Abstr.) **(Ger)**

[Medical factors relevant to the course of vocational rehabilitation of spinal cord injured clients with complete paraplegia (author's transl)] Wahle H. **Rehabilitation (Stuttg)** 1981 Feb;20(1):22–7 (Eng. Abstr.) **(Ger)**

[The WHO definition of health and the rehabilitation of the handicapped] Renker K, et al. **Z Aerztl Fortbild (Jena)** 1980 Dec 15;74(24):1137–9 **(Ger)**

[Vocational rehabilitation of epileptics] König K, et al. **Z Gesamte Hyg** 1981;27(2):144–7 (Eng. Abstr.) **(Ger)**

[Rehabilitation of incapacitated teachers] Leuschner G, et al. **Z Gesamte Hyg** 1980;26(8):623–4 (Eng. Abstr.) **(Ger)**

[Employment potentials for the rehabilitated in the metal-working industry] Pester G, et al. **Z Gesamte Hyg** 1981;27(2):141–4 (Eng. Abstr.) **(Ger)**

[Vocational rehabilitation in osteogenesis imperfecta?] Renker U, et al. **Z Gesamte Hyg** 1981;27(2):148–9 **(Ger)**

[Problems of assessment and occupational rehabilitation of patients with malignant urogenital neoplasm] Hoffmann L, et al. **Z Urol Nephrol** 1981 Jan;74(1):35–43 (Eng. Abstr.) **(Ger)**

[Needs and problems in the vocational rehabilitation of patients with chronic diseases] Ganes E. **Tidsskr Nor Laegeforen** 1981 Jan 30;101(3):197–200 (Eng. Abstr.) **(Nor)**

[A methodological system necessary and possible in carrying-out a work rehabilitation program in pensioned mental patients] Borcea A, et al. **Rev Med Interna [Neurol Psihiatr]** 1980 Apr–Jun; 24(2):81–100 **(Rum)**

[Disease-related loss of occupational fitness and social-occupational rehabilitation of railroad workers] Kucherenko VZ, et al. **Gig Tr Prof Zabol** 1980 Apr;(4):11–4 (Eng. Abstr.) **(Rus)**

[Possibilities of social and vocational rehabilitation of patients with aphakia and lens pathology in agricultural milieus] Darii VI. **Oftalmol Zh** 1981;36(1):60–2 **(Rus)**

[Social and work rehabilitation of patients with stroke] Bogat ZI. **Sov Med** 1980;(7):82–6 **(Rus)**

[Social and vocational rehabilitation of breast cancer patients following surgical treatment] Mel'nikov RA, et al. **Vestn Khir** 1981 Jun;126(6):139–41 **(Rus)**

[Certain features of the delayed sequelae of craniocerebral injuries and questions involving medico-vocational expertise] Baiakhmedov FA, et al. **Zh Nevropatol Psikhiatr** 1980;80(5):668–71 (Eng. Abstr.) **(Rus)**

[Psychological methodologic procedures for detecting and evaluating the work orientation of schizophrenic patients]

Boldyreva OI. **Zh Nevropatol Psikhiatr** 1980; 80(12):1827–32 (Eng. Abstr.) **(Rus)**

[Socio-vocational rehabilitation of oligophrenic patients with mild retardation (clinical and organization aspects)] Tepina MM, et al. **Zh Nevropatol Psikhiatr** 1981;81(3):387–90 (Eng. Abstr.) **(Rus)**

ECONOMICS

Evaluation of disability insurance savings due to beneficiary rehabilitation. McManus LA. **Soc Secur Bull** 1981 Feb; 44(2):19–26

HISTORY

Glenn Reynolds, MD: a matter of attitude [news] McBride G. **JAMA** 1981 Jun 5;245(21):2149–51

[Medical and vocational rehabilitation of the wounded in western Siberian hospitals in World War II] Sukhanov NV. **Voen Med Zh** 1981;(7):72–4 **(Rus)**

LEGISLATION & JURISPRUDENCE

the decade of the eighties: significant trends and developments for hearing impaired individuals. Vernon M. **Rehabil Lit** 1981 Jan–Feb;42(1–2):2–7, 25

METHODS

Pharmacy-based vocational rehabilitation [letter] Kresel JJ, et al. **Am J Hosp Pharm** 1980 Sep;37(9):1178, 1180, 1182

Operations training in vocational skills. Walls RT, et al. **Am J Ment Defic** 1981 Jan;85(4):357–67

Interagency collaboration in providing vocational education for handicapped individuals. Albright L, et al. **Except Child** 1981 May;47(8):584–9

Longitudinal transition plans in programs for severely handicapped students. Brown L, et al. **Except Child** 1981 May;47(8):624–30

A model for developing vocational objectives in the IEP. Patton PL. **Except Child** 1981 May;47(8):618–22

Vocational and special education in career programing for the mildly handicapped adolescent. Sitlington PL. **Except Child** 1981 May;47(8):592–8

Career/vocational assessment of the special needs individual: a conceptual model. Stodden RA, et al. **Except Child** 1981 May;47(8):600–8

Competitive employment for moderately and severely handicapped individuals. Wehman P, et al. **Except Child** 1981 Feb;47(5):338–45

Self-monitoring, self-administration of token reinforcement, and goal-setting to improve work rates with retarded clients. Hanel F, et al. **Int J Rehabil Res** 1980;3(4):505–17

Comparisons of forward chaining and total task presentation formats to teach vocational skills to the retarded. Yu D, et al. **Int J Rehabil Res** 1980;3(1):77–9

[Ergotherapeutic measures in finger injuries] Reiner E. **Hefte Unfallheilkd** 1980;(141):288–99 **(Ger)**

[Job analysis applied to the disabled (author's transl)] North K, et al. **Int Arch Occup Environ Health** 1980;47(2):143–54 (Eng. Abstr.) **(Ger)**

[Occupational assistance and promotion by pedagogues in a home for behavior-disordered students. A demonstration of interrogation results and program evaluation] Gelissen G, et al. **Prax Kinderpsychol Kinderpsychiatr** 1981 Jul; 30(5):174–81 (Eng. Abstr.) **(Ger)**

[Vocational rehabilitation in young mentally retarded adults] Hennig H, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Mar;33(3):182–8 (Eng. Abstr.) **(Ger)**

[Prevention of rehospitalization of schizophrenic patients with a protracted course at the stage of industrial rehabilitation] Krasik ED, et al. **Zh Nevropatol Psikhiatr** 1981;(5):724–9 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Vocational interest evaluation of TMR adults. Becker RL, et al. **Am J Ment Defic** 1981 Jan;85(4):350–6

Social ecology of supervised communal facilities for mentally disabled adults. V. Residence as a predictor of social and work adjustment. Berkson G. **Am J Ment Defic** 1981 Jul; 86(1):39–42

Performance of three severely mentally retarded adults on vocational response chains during extinction. Horner RH, et al. **Am J Ment Defic** 1981 Jul;86(1):97–103

Relationship of IQ and occupational disability of retarded adults in Bergen, Norway. Svendsen D. **Am J Ment Defic** 1980 Sep;85(2):197–9

Factors associated with occupational rehabilitation of psychiatric patients. Mantonakis JE, et al. **Bibl Psychiatr** 1981;(160):110–6

Probationed offenders: rehabilitation and training. Tyce FA, et al. **Curr Psychiatr Ther** 1980;19:151–7

Weight therapy as part of rehabilitation. Bennett A. **Health Soc Work** 1980 Aug;5(3):44–53

Overcoming disincentives to the rehabilitation of SSI and SSDI beneficiaries. Better SR, et al. **Int J Rehabil Res** 1980; 3(1):62–4

A multivariate analysis of motivational attributes among spinal cord injured rehabilitation clients. Cook DW. **Int J Rehabil Res** 1981;4(1):5–15

Teaching job interview skills to retarded clients. Hall C, et al. **J Appl Behav Anal** 1980 Fall;13(3):433–42

Small group behavioral training to improve the job interview skills repertoire of mildly retarded adolescents. Kelly JA, et al. **J Appl Behav Anal** 1980 Fall;13(3):461–71

Traditional vocational evaluation: help or hindrance? Ditty JA, et al. **J Rehabil** 1980 Oct–Dec;46(4):22–5

The efficacy of vocational rehabilitation with mentally ill persons. Spooner F, et al. **J Rehabil** 1980 Oct–Dec; 46(4):62–6

Medical staffs' attitudes and patients' rehabilitation. De-Nour AK. **Proc Eur Dial Transplant Assoc** 1980;17:520–3

Personality characteristics and employability of mentally retarded adults. Mullins D, et al. **Psychol Rep** 1980 Dec; 47(3 Pt 2):1063–7

[Return to work after myocardial infarction] Roquebrune JP, et al. **Ann Cardiol Angeiol (Paris)** 1981 Mar–Apr; 30(2):121–4 **(Fre)**

[The role of the family in the rehabilitation of disabled children] Kratzsch J, et al. **Z Aerztl Fortbild (Jena)** 1981 Jan 15;75(2):85–7 **(Ger)**

STANDARDS

Process and outcome in cooperative school programs for handicapped youth. Sigelman CK, et al. **Int J Rehabil Res** 1980;3(4):527–9

Assessment practices with the visually impaired. Vander Kolk CJ. **J Rehabil** 1981 Apr–Jun;47(2):22–7

Comprehensive vocational evaluation for clients with psychiatric impairments. Beley W, et al. **Rehabil Lit** 1981 Jul–Aug;42(7–8):194–201

TRENDS

A challenge for the 1980's: rehabilitating the rural disabled. Cook D, et al. **J Rehabil** 1981 Apr–Jun;47(2):56–9

REIMBURSEMENT, INCENTIVE see under **REIMBURSEMENT MECHANISMS**

REIMBURSEMENT MECHANISMS

Hospital reimbursement – back to the drawing board. Vanhooren G. **Dimens Health Serv** 1981 May;58(5):38–40

A comparison of patient-centered and case-mix reimbursement for nursing home care. Willemain TR. **Health Serv Res** 1980 Winter;15(4):365–77

No clear direction for financial management and survival. Aden GD. **Hospitals** 1981 Apr 1;55(7):81–2, 87–9, 176 (52 ref.)

Alternative capital reimbursement policies for Wisconsin nursing homes. Davis CJ, et al. **Inquiry** 1981 Summer; 18(2):165–78

The impact of case mix on hospital cost: a comparative analysis. Watts CA, et al. **Inquiry** 1980 Winter;17(4):357–67

Use of the international classification of health problems in primary care (ICHPPC-2) for reimbursement. Froom J, et al. **J Fam Pract** 1980 Oct;11(4):609–20

Partnership, not domination. Goracci AF. **J Med Soc NJ** 1981 Jun;78(6):435–7

DRGs: an assessment of the assessment [letter] Cameron JM, et al. **Med Care** 1981 Feb;19(2):243–8

Capitation payment for medicaid pharmacy services: impact on non-medicaid prescriptions. Lipson DP, et al. **Med Care** 1981 Mar;19(3):342–53

A political analysis of Minnesota psychiatrists and their methods of reimbursement. Beecher L. **Minn Med** 1981 Jun;64(6):347–51

Reimbursement. Johnson J. **Nurse Pract** 1980 Sep–Oct;5(5):7, 62

What is a DRG? Haley MJ. **Top Health Care Financ** 1980 Summer;6(4):55–61

ECONOMICS

New, competitive reimbursement systems put health care cost, use decisions at local level. Raymond D, et al. **Mich Med** 1981 Apr;80(11):165–6

LEGISLATION & JURISPRUDENCE

The Medicare section 223 schedule of limits: a continuing struggle. Goldblatt SJ. **Health Care Manage Rev** 1980 Spring;5(2):35–9

PSRO reimbursement tightened. Bloom MZ, et al. **Hospitals** 1980 Nov 1;54(21):31–2

More self-insurance programs affected by new Medicare rules. Klum KR. **Hospitals** 1981 Feb 1;55(3):75–7

The process of hospital rate regulation: the New York experience. Ruchlin HS, et al. **Inquiry** 1981 Spring; 18(1):70–8

Future medical-legal problems. Brennan RE, et al. **J Med Soc NJ** 1981 Jun;78(6):463–5

TRENDS

Decade ahead will challenge financial viability of hospitals. Altman SH. **Hospitals** 1981 Jan 16;55(2):87–8, 90, 92

DRG creep: a new hospital-acquired disease. Simborg DW. **N Engl J Med** 1981 Jun 25;304(26):1602–4

REIMBURSEMENT, PROSPECTIVE see under **REIMBURSEMENT MECHANISMS**

REIMPLANTATION

Digital replantation. Cavanaugh CE. **Am J Nurs** 1980 Aug; 80(8):1433–6

The knocked out tooth. Murtagh JE. **Aust Fam Physician** 1981 Jan;10(1):18

Massive traumatic femoral bone loss treated by conservative means: a case report. Cook RB, et al. **Aust NZ J Surg** 1980 Aug;50(4):415–7

Reimplantation of the ureter in prostatic carcinoma associated with bilateral ureteric obstruction. Kihl B, et al. **Br J Urol** 1981 Aug;53(4):349–52

Replantations surgery following self-inflicted amputation. Stewart DE, et al. **Can J Psychiatry** 1980 Mar;25(2):143–50

Upper extremity replantation. May JW Jr, et al. **Curr Probl Surg** 1980 Dec;17(12):633–717

Finger replantation. Tami S, et al. **Int Surg** 1981 Jan–Mar; 66(1):9–12

Immediate pollicization of an amputated index finger. Keiter JE. **J Hand Surg** 1980 Nov;5(6):584–5

Digital replantation [letter] May JW Jr. **J Hand Surg** 1980 Sep;5(5):515

Replantation of severed limbs--clinical analysis of 91 cases. Wang SH, et al. **J Hand Surg** 1981 Jul;6(4):311–8

Replantation: a presentation of ten cases. Black EB 3d, et al. **J La State Med Soc** 1980 Aug;132(8):112–6

Scalp avulsion. Hunt JR, et al. **J SC Med Assoc** 1981 Feb; 77(2):69–72

Upper extremity replantation: current concepts and patient selection. Gold AH, et al. **J Trauma** 1981 Jul;21(7):551–7

Recovery of function following replantation and revascularization of amputated hand parts. Scott FA, et al. **J Trauma** 1981 Mar;21(3):204–14

Simultaneous microstructure repair in replantation surgery. May JW Jr, et al. **Plast Reconstr Surg** 1980 Sep;66(3):466–7

Why don't we see cold injuries and arthritis following digital replantation? [letter] Wexler MR. **Plast Reconstr Surg** 1980 Nov;66(5):794–5

The need for replantation centers in view of the incidence of traumatic amputations. Kiil J. **Scand J Plast Reconstr Surg** 1980;14(2):163–4

Replantation and revascularization of digits. Hamilton RB, et al. **Surg Gynecol Obstet** 1980 Oct;151(4):508–12

[Replantation of inferior alveolar nerve: report of one case (author's transl)] Chen Z. **Chung Hua Kou Chiang Ko Tsa Chih** 1979 Jun;14(2):80–1 **(Chi)**

[Anesthesia for replantation of severed upper limbs (author's transl)] Xu HF. **Chung Hua Wai Ko Tsa Chih** 1979; 17(6):423–5 **(Chi)**

[Replantation of seven torn-off thumbs (author's transl)] Mitz V, et al. **Ann Chir** 1980 Nov;34(9):667–73 (Eng. Abstr.) **(Fre)**

[Reimplantation of the finger] Castermans A, et al. **Bull Mem Acad R Med Belg** 1980 Jun 28;135(6):356–67 (Eng. Abstr.) **(Fre)**

[Corrective surgery including osteotomies of the upper extremity following replantation] Zwank L, et al. **Aktuel Probl Chir Orthop** 1981;20:162–75 **(Ger)**

[Quantitative hemodynamic studies in finger reimplants using intraoperative flow measurement and postoperative phlebemphraxis plethysmography (author's transl)] Heyden B, et al. **Aktuel Traumatol** 1981 Feb;11(1):30–4 (Eng. Abstr.) **(Ger)**

[Microsurgical aspects of wound healing in the extremities (author's transl)] Zwaluk L, et al. **Aktuel Traumatol** 1980 Apr;10(2):73–83 (Eng. Abstr.) **(Ger)**

[Reimplantation of splenic tissue after traumatic injuries in children (letter)] Aigner A, et al. **Dtsch Med Wochenschr** 1980 Dec 19;105(51):1787 **(Ger)**

[Preservation and reconstruction of the thumb with the aid of microvascular surgery (author's transl)] Piza-Katzer H, et al. **Unfallchirurgie** 1981;7(1):9–14 (Eng. Abstr.) **(Ger)**

[Approach to digital replantation in childhood (author's transl)] Holle J, et al. **Z Kinderchir Grenzgeb** 1980 Jul;30 Suppl:17–21 (Eng. Abstr.) **(Ger)**

[Finger replantation in children] Brandmair W, et al. **Z Plast Chir** 1980 Jun;4(2):90–3 (Eng. Abstr.) **(Ger)**

[Bone healing in replantation surgery of the hand] Duspiva W, et al. **Z Plast Chir** 1980 Jun;4(2):84–9 (Eng. Abstr.) **(Ger)**

[Current possibilities in peripheral reimplantation surgery] Stober R, et al. **Zentralbl Chir** 1980;105(1):54–61 **(Ger)**

[An experimental study on the regeneration of lymphatic vessels after replantation of the limb (author's transl)] Nakanishi T. **Nippon Seikeigeka Gakkai Zasshi** 1980 Jun; 54(6):539–51 (Eng. Abstr.) **(Jpn)**

ADVERSE EFFECTS

Acute small bowel obstruction 20 years after reimplantation of the ureter. Hay DJ. **Br J Urol** 1981 Feb;53(1):83

HISTORY

[Immediate reimplantation of amputated fingers] Firmin F. **Ann Chir Plast** 1980;25(2):187–90 **(Fre)**

METHODS

Current concepts of digit replantation. Moore JR, et al. **Am Fam Physician** 1981 Jul;23(1):121–5

Reconstruction of a scalp avulsion injury by replantation and a local skin flap. McGrouther DA, et al. **Br J Plast Surg** 1981 Jan;34(1):44–6

Management of the amputated thumb. Leonard AG, et al. **Br J Surg** 1980 Aug;67(8):587–9

The effect of systemic acidosis on perfusion of replanted extremities. Dell PC, et al. **J Hand Surg** 1980 Sep; 5(5):433–42

Use of an intramedullary bone peg in digital replantations, revascularization, and toe–transfers. Leung PC. **J Hand Surg** 1981 MAY;6(3):281–4

Primary neurovascular bundle transfer in the management of avulsed thumbs. Lobay GW, et al. **J Hand Surg** 1981 Jan;6(1):31–4

Extra–anatomical vascular bypass and external skeletal fixation in limb replantation. Browne AF, et al. **J Pediatr Surg** 1981 Jun;16(3):306–8

Reoperative ureteral reimplantation: management of the difficult case. Hendren WH. **J Pediatr Surg** 1980 Dec; 15(6):770–86

Replantation in the upper extremity. Hay EL. **J SC Med Assoc** 1980 Oct;76(10):471–3

The problems in replantation of limbs amputated through the upper arm region. Matsuda M, et al. **J Trauma** 1981 May;21(5):403–6

Replantation of severed parts [letter] Gilbert ST. **NZ Med J** 1980 Aug 27;92(666):173

Digit replantation with full survival after 28 hours of cold ischemia [letter] May JW. **Plast Reconstr Surg** 1981 Apr; 67(4):566

Subcutaneous flap as an alternative to venous anastomosis in replantation surgery. Poletti LS. **Plast Reconstr Surg** 1981 Aug;68(2):233–6

Digital replantation. Buncke HJ, et al. **Surg Clin North Am** 1981 Apr;61(2):383–94

Management of severe forearm injuries. Faibisoff B, et al. **Surg Clin North Am** 198[illegible] Apr;61(2):287–301

Microvascular surgery [illegible] reconstruction of the hand. McGrath MH. **Surg Clin North Am** 1980 Oct;60(5):1105–19

[Experiences in replantation of severed digits in a worker's hospital: analysis of 49 cases (author's transl)] Sun F. **Chung Hua Wai Ko Tsa Chih** 1979;17(3):160–2 **(Chi)**

[The use of neurovascular tissue remnants for replantation of crushed amputated digits (author's transl)] Sun XL. **Chung Hua Wai Ko Tsa Chih** 1981 Mar;19(3):140–2 (Eng. Abstr.) **(Chi)**

[Replantation of completely severed distal digit by primary suture: observations on 49 digits (author's transl)] Zhang CY. **Chung Hua Wai Ko Tsa Chih** 1980 Mar;18(3):264–5 **(Chi)**

[Late results after thumb replantation] Stock W, et al. **Handchirurgie** 1980;12(1–2):101–3 (Eng. Abstr.) **(Ger)**

[Reimplantation of splenic tissue after neonatal abdominal trauma (author's transl)] Aigner K, et al. **Langenbecks Arch Chir** 1981;354(1):39–43 (Eng. Abstr.) **(Ger)**

[Results of replantation and severe hand injuries in children (author's transl)] Berger A, et al. **Z Kinderchir Grenzgeb** 1980 Jul;30 Suppl:106–9 (Eng. Abstr.) **(Ger)**

[Primary transpositions of fingers, results (author's transl)] Herndl E, et al. **Z Plast Chir** 1980 Dec;4(4):272–6 (Eng. Abstr.) **(Ger)**

[Traumatic scalping of a patient with fibrous–cavernous pulmonary tuberculosis] Kukharchuk VP, et al. **Vestn Khir** 1980 Jul;125(7):84–5 **(Rus)**

[Reimplantation of the upper arm after a traumatic incomplete amputation] Glavaš M, et al. **Acta Chir Iugosl** 1980;27 Suppl 1:485–8 **(Scr)**

[Microvascular surgery for replantation and recirculation in acute hand injuries] Eiken O, et al. **Lakartidningen** 1980 Sep 10;77(37):3115–8 (Eng. Abstr.) **(Swe)**

REIMPLANTATION, TOOTH see **TOOTH REIMPLANTATION**

REINDEER

Spontaneous aortic lesions in reindeer (Rangifer tarandus L). Gupta PP, et al. **Acta Vet Scand** 1981;22(1):60–6

Dental abnormalities and mandibular swellings in South Georgia reindeer. Leader–Williams N. **J Comp Pathol** 1980 Apr;90(2):315–30

Summer mortality among caribou calves in West Greenland. Clausen B, et al. **Nord Vet Med** 1980 Jul–Aug; 32(7–8):291–300

Contagious ecthyma (orf) in reindeer (Rangifer t tarandus). Kummeneje K, et al. **Vet Rec** 1979 Jul 21;105(3):60–1

ANATOMY & HISTOLOGY

[Teeth as a base for age determination in deer, moose and reindeer] Hals E. **Nor Tannlaegeforen Tid** 1981 Apr; 91(5):151–5 **(Nor)**

IMMUNOLOGY

Effects of killed Brucella abortus strain 45/20 vaccine on reindeer later challenge exposed with Brucella suis type 4. Dieterich RA, et al. **Am J Vet Res** 1981 Jan;42(1):131–4

METABOLISM

Dietary influences on sodium and potassium metabolism of reindeer. Staaland H, et al. **Can J Zool** 1980 Oct; 58(10):1728–34

Monoamine oxide activity in ox, elk and reindeer brains. Fowler CJ, et al. **Comp Biochem Physiol [C]** 1981; 68C(2):145–9

PARASITOLOGY

Studies on Onchocerca tarsicola Bain and Schulz–Key, 1974 in reindeer (Rangifer tarandus) in northern Finland. Bylund G, et al. **J Helminthol** 1981 Mar;55(1):13–20

Observations on the internal parasites of reindeer introduced into South Georgia. Leader–Williams N. **Vet Rec** 1980 Oct 25;107(17):393–5

PHYSIOLOGY

Electrocardiogram of the reindeer, Rangifer tarandus tarandus. Timisjärvi J, et al. **Lab Anim** 1979 Jul;13(3):183–6

REINFORCEMENT (PSYCHOLOGY)

Avoidance responding in dogs trained in symmetrical or asymmetrical go, no–go differentiation. Kowalska DM, et al. **Acta Neurobiol Exp (Warsz)** 1980;40(1):403–32

The use of positive practice to reduce self–stimulatory behaviors. Jensema CK. **Am Ann Deaf** 1980 Aug; 125(5):524–6

Physical restraint as positive reinforcement. Favell JE, et al. **Am J Ment Defic** 1981 Jan;85(4):425–32

Handling depression through positive reinforcement. Knowles RD. **Am J Nurs** 1981 Jul;81(7):1353

Contracting with patient–selected reinforcers. Steckel SB. **Am J Nurs** 1980 Sep;80(9):1596–9

Double–blind evaluation of reinforcing and anorectic actions of weight control medications. Interaction of pharmacological and behavioral treatments. Bigelow GE, et al. **Arch Gen Psychiatry** 1980 Oct;37(10):1118–23

The effect of recorded contact calls on the reinforcing value of self–viewing among lovebirds. Delsaut M, et al. **Behav Neural Biol** 1980 Nov;30(3):341–4

Expectancies of reinforcement control in biofeedback and cognitive performance. Carlson JG, et al. **Biofeedback Self Regul** 1981 Mar;6(1):79–91

The magnitude of post–reinforcement EEG synchronization (PRS) in cats reflects learning ability. Marczynski TJ, et al. **Brain Res** 1981 Jan 5;204(1):214–9

Direct versus indirect response–reinforcer relationships in teaching autistic children. Koegel RL, et al. **J Abnorm Child Psychol** 1980 Dec;8(4):537–47

Activity valence as a function of mood change. Carson TP, et al. **J Abnorm Psychol** 1980 Jun;89(3):368–77

The relative contributions of covert reinforcement and cognitive restructuring to test anxiety reduction. Bistline JL, et al. **J Clin Psychol** 1980 Jul;36(3):723–8

A factor analytic study of reasons for drinking: empirical validation of positive and negative reinforcement dimensions. Farber PD, et al. **J Consult Clin Psychol** 1980 Dec;48(6):780–1

Reinforcement and the organization of behavior in golden hamsters: brain stimulation reinforcement for seven action patterns. Shettleworth SJ, et al. **J Exp Psychol [Anim Behav]** 1980 Oct;6(4):352–75

A nonaversive intervention for thumbsucking: analysis across settings and time in the natural environment. Lichstein KL, et al. **J Pediatr Psychol** 1980 Dec;5(4):405–14

Fixed–ratio responding under second–order schedules of food presentation or cocaine injection. Goldberg SR, et al. **J Pharmacol Exp Ther** 1981 Jul;218(1):271–81

Caution...peanuts may be harmful to your clients' health! [letter] Putnam AH. **J Speech Hear Disord** 1981 May; 46(2):220–1

Response to Courtright and Courtright [letter] Connell P, et al. **J Speech Hear Res** 1981 Mar;24(1):146–50

Training trainable mentally retarded adolescents in delay behavior. Franzini LR, et al. **Ment Retard** 1980 Feb; 18(1):45–7

Reinforcement and the combination of effects: summary of a theory of opiate addiction. McAuliffe WE, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1980 Mar;(30):137–41

Reinforcing properties of buprenorphine: a behavioral analysis. Mello NK, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1980;(34):36–42

Comparison of discriminative and reinforcing effects of ketamine and related compounds in the rhesus monkey. Young AM, et al. **Natl Inst Drug Abuse Res Monogr Ser** 1980;(34):173–9

Dopaminergic mediation of reward: evidence gained using a natural reinforcer in a behavioral contrast paradigm. Royall DR, et al. **Neurosci Lett** 1981 Jan 20;21(2):223–9

Pimozide attenuates lever pressing for water reinforcement in rats. Gerber GJ, et al. **Pharmacol Biochem Behav** 1981 Feb;14(2):201–5

Positive reinforcement produced by noradrenergic stimulation of the hypothalamus in rats. Cytawa J, et al. **Physiol Behav** 1980 Nov;25(5):615–9

Another psychophysical procedure: within–trial stimulus thresholds. Henton WW, et al. **Physiol Behav** 1980 Dec; 25(6):945–52

Rewarding effect of noradrenergic stimulation of the amygdala in food deprived rats. Jurkowlaniec E, et al. **Physiol Behav** 1981 Jul;27(1):27–31

The role of reinforcement and motivation in biofeedback performance. Kleinman KM. **Physiol Behav** 1981 May; 26(5):921–5

Resurgence of responding after the cessation of response–independent reinforcement. Epstein R, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):6251–3

Reinforcement, skin conductance, and performance in a vigilance–reaction time task. Hartel FW, et al. **Psychiatry Res** 1981 Apr;4(2):239–51

Self–reward, self–punishment and depression. Roth D, et al. **Psychol Rep** 1980 Aug;47(1):3–7

Stimulus efficacy, chlorpromazine, and schizophrenia. Clody DE, et al. **Psychopharmacology (Berlin)** 1980;69(2):127–31

Effects of chlorpromazine on food–maintained and observing behavior. Dearing ME, et al. **Psychopharmacology (Berlin)** 1981;73(3):281–5

The partial reinforcement extinction effect: influence of chlordiazepoxide in septal lesioned rats. Feldon J, et al. **Psychopharmacology (Berlin)** 1981;74(3):280–9

The partial reinforcement extinction effect after treatment with chlordiazepoxide. Feldon J, et al. **Psychopharmacology (Berlin)** 1981;73(3):269–75

Amobarbital sodium reduces successive gustatory contrast. Flaherty CF, et al. **Psychopharmacology (Berlin)** 1980; 69(2):161–2

Matching to reinforcer value: human concurrent variable–interval performance. Cliffe MJ, et al. **Q J Exp Psychol** 1980 Nov;32(4):557–70

[Changes in the pattern of hippocampal neuron discharge as a reflection of the reinforcement effect in self–stimulation] Belyi VP. **Fiziol Zh SSSR** 1981 Mar; 67(3):375–83 (Eng. Abstr.) **(Rus)**

[Effect of stimulation of structures causing an escape reaction on the self stimulation reaction in rats] Kiseleva OV. **Zh Vyssh Nerv Deiat** 1980 May–Jun;30(3):517–22 (Eng. Abstr.) **(Rus)**

REINFORCEMENT SCHEDULE

Retention under changed–reward conditions of persistence learned by infant rats. Chen JS, et al. **Dev Psychobiol** 1980 Sep;13(5):469–80

Learned persistence at 11–12 days but not at 10–11 days in infant rats. Chen JS, et al. **Dev Psychobiol** 1980 Sep; 13(5):481–91

Adjustment of weanling and adolescent rats to a reward condition requiring slow responding. Chen JS, et al. **Dev Psychobiol** 1981 Mar;14(2):139–45

Effects of ethanol on multiple fixed–interval fixed–ratio schedule performances: dynamic interactions at different fixed–ratio values. Barrett JE, et al. **J Exp Anal Behav** 1980 Sep;34(2):185–98

Relationship between response rate and reinforcement frequency in variable–interval schedules: III. The effect of d–amphetamine. Bradshaw CM, et al. **J Exp Anal Behav** 1981 Jul;36(1):29–39

Effects of diazepam on schedule–controlled and schedule–induced behavior under signaled and unsignaled shock. Hymowitz N. **J Exp Anal Behav** 1981 Jul; 36(1):119–32

Independence of sensitivity to relative reinforcement rate and discriminability in signal detection. McCarthy D, et al. **J Exp Anal Behav** 1980 Nov;34(3):273–84

Drug effects on multiple and alternating mixed–schedule performance. Leander JD. **J Pharmacol Exp Ther** 1981 Sep; 218(3):728–33

Schedule dependent change of punished responding after diazepam in rats. Kuribara H, et al. **Jpn J Pharmacol** 1980 Apr;30(2):264–8

Effects of schedule information on the slowed fixed–ratio responding of schizophrenics. Weiner H. **Percept Mot Skills** 1981 Apr;51(2):452–4

Differential effects of imipramine in rats as a function of DRL schedule value. McGuire PS, et al. **Pharmacol Biochem Behav** 1980 Nov;13(5):691–4

Effects of hippocampectomy in an incremental–step DRL paradigm. Boitano JJ, et al. **Physiol Behav** 1980 Aug; 25(2):273–8

The pituitary–adrenal response to 'minimized' schedule–induced drinking. Brett LP, et al. **Physiol Behav** 1981 Feb;26(2):153–8

Schedule–induced polydipsia in aged rats. McCaffrey RJ, et al. **Physiol Behav** 1981 Feb;26(2):337–9

Measurement and development of schedule–induced drinking in pigeons. Magyar RL, et al. **Physiol Behav** 1980 Aug; 25(2):245–51

The development of water–intake regulation during schedule–induced polydipsia. Magyar RL, et al. **Physiol Behav** 1980 Nov;25(5):763–7

Step–like DRL schedule change effects on blood chemistry, leukocytes and tissue in rats. Persinger MA, et al. **Physiol Behav** 1978 DEC;21(6):899–904

Effects of subdiaphragmatic vagotomy on schedule induced drinking and schedule dependent lever pressing. Tung CS, et al. **Physiol Behav** 1980 Nov;25(5):745–51

Preliminary evidence on use of DRL schedules in treating childhood enuresis: a case study via parental consultation. Gresham FM. **Psychol Rep** 1980 Aug;47(1):115–20

A search for perceptual differentiation produced by nondifferential reinforcement. Hall G, et al. **Q J Exp Psychol** 1980 May;32(2):185–95

[Time factor in a behavioral act with delayed food reinforcement] Rychkova GN. **Zh Vyssh Nerv Deiat** 1981 Jan–Feb;31(1):55–63 (Eng. Abstr.) **(Rus)**

REINFORCEMENT, SOCIAL

Motivational role of social reinforcement in dog–man relations. Fonberg E, et al. **Acta Neurobiol Exp (Warsz)**

1980;40(1):117–36
Analysis of social praise given during the correction procedure of skill training. Adams GL, et al. **Am J Ment Defic** 1981 May;85(6):652–4
Effects of mental age, knowledge of results, and social reinforcement on motor performance. Heitman RJ, et al. **Am J Ment Defic** 1980 Sep;85(2):200–2
Discrimination learning in delinquents as a function of sex, subtype, and social reinforcement. Moses JA Jr, et al. **J Genet Psychol** 1981 Mar;138(First Half):147–8
Response-contingent learning in children at risk. Klein RH, et al. **J Nerv Ment Dis** 1981 Apr;169(4):249–52
Elimination of assaultive and inappropriate sexual behavior by reinforcement and social-restitution. Polvinale RA, et al. **Ment Retard** 1980 Feb;18(1):27–30
Relationship of reinforcement by student clinicians and peers to accuracy of imitated grammatical constructions during language training. Friedman P, et al. **Percept Mot Skills** 1980 Dec;51(3 Pt 2):1203–14
[Treatment of childhood schizophrenia] Manzi Astudillo J, et al. **Rev Chil Pediatr** 1980 Jul–Aug;51(4):281–4 **(Spa)**

REINFORCEMENT, VERBAL

Paradoxical influence of encouragement on muscle fatigue. Rube N, et al. **Eur J Applied Physiol** 1981;46(1):1–7
Modification of chronic schizophrenics' abstractions through enriched stimuli and social censure. Sullivan HS, et al. **J Clin Psychol** 1980 Oct;36(4):852–8

REITER'S DISEASE

Reiter's syndrome re-evaluated. Papazoglou SN, et al. **Scott Med J** 1979 Oct;24(4):313–5

COMPLICATIONS

Amyloid in a patient with Reiter's syndrome – secondary or coincidental? Differentiation with potassium permanganate. Mahowald ML, et al. **J Rheumatol** 1980 Nov–Dec;7(6):903–6
[Late cardiac manifestations of Reiter's disease (author's transl)] von Leitner ER, et al. **Dtsch Med Wochenschr** 1981 Jul 17;106(29–30):939–41 (Eng. Abstr.) **(Ger)**
[Keratosis blennorrhagica and circinate vulvitis as a manifestation of Reiter's disease in women] Kovalev IuN, et al. **Vestn Dermatol Venerol** 1980 Oct;(10):62–5 (16 ref.) (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Reiter's syndrome--a concern to the dental practitioner. Lorencki SF. **Ann Dent** 1980 Fall;39(3):62–4
Reiter's syndrome. Evaluation of preliminary criteria for definite disease. Willkens RF, et al. **Arthritis Rheum** 1981 Jun;24(6):844–9
The elusive triad. Calin A. **Hosp Pract** 1981 May;16(5):32T, 32V
Reiter's syndrome: a review and case report. Tozzi MA, et al. **J Am Podiatry Assoc** 1981 Aug;71(8):418–22
Monoclonal anti-HLA-B27 antibody (B27M1): production and lack of detectable typing difference between patients with ankylosing spondylitis, Reiter's syndrome, and normal controls. Grumet FC, et al. **Lancet** 1981 Jul 25; 2(8239):174–6
Reiter's syndrome. Hathaway D. **Minn Med** 1980 Oct; 63(10):731
Reiter's disease. Nuki G. **Rep Rheum Dis** 1980 Jul;73:1p.
Reiter's disease with childhood onset having special reference to HLA B27. Report of a case and a review. Friis J. **Scand J Rheumatol** 1980;9(4):250–2
[Reiter's syndrome or infectious arthritis?] Ernst E. **MMW** 1981 Jun 5;123(23):53 **(Ger)**
[Differential diagnosis of ankylosing spondylitis and Reiter's disease] Mladenović V. **Reumatizam** 1980;27(5):141–9 (Eng. Abstr.) **(Scr)**
[Incomplete forms of Reiter's syndrome] Herrero-Beaumont G, et al. **Rev Clin Esp** 1981 Jan 15;160(1):19–22 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

[Reiter's disease. Successful therapy of keratoderma blennorrhagicum with oral photochemotherapy] Brenner W, et al. **Hautarzt** 1981 Apr;32(4):193–5 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Ocular inflammation in Reiter's syndrome associated with Campylobacter jejuni enteritis. Saari KM, et al. **Am J Ophthalmol** 1980 Oct;90(4):572–3
Reiter's syndrome in association with enteritis due to Campylobacter fetus ssp. jejuni. Pönkä A, et al. **Ann Rheum Dis** 1981 Aug;40(4):414–5
A report of reactive arthritis following dysentery in 1743 [letter] Bollet AJ. **Arthritis Rheum** 1981 Jun;24(6):860
[Reiter's disease in children following an infection by Yersinia enterocolitica (author's transl)] Quietzsch J, et al. **Dermatol Monatsschr** 1981 Feb;167(2):80–4 (Eng. Abstr.) **(Ger)**
[Reiter's disease after Salmonella infection in an HLA-B27 carrier (letter)] Herzog C. **Schweiz Med Wochenschr** 1980 Nov 22;110(47):1788–9 **(Ger)**
[Urogenital infection in Reiter's disease, rheumatoid arthritis and Bechterew's disease] Agababova ER, et al. **Ter Arkh** 1980;52(12):94–8 (Eng. Abstr.) **(Rus)**
[Reiter's syndrome caused by Salmonella typhi. Apropos of a case] de la Torre F, et al. **Rev Clin Esp** 1980 Dec 15; 159(5):369–71 **(Spa)**

FAMILIAL & GENETIC

Family studies with HLA typing in Reiter's syndrome. Yunus M, et al. **Am J Med** 1981 Jun;70(6):1210–4

HISTORY

Columbus: was it Reiter's disease? [letter] **Lancet** 1981 Jan 10;1(8211):94–5
Christopher Columbus: first case of Reiter's disease in the Old World? [letter] Allison DJ. **Lancet** 1980 Dec 13; 2(8207):1309

IMMUNOLOGY

Immunoprotein deposition in synovial tissue in Reiter's syndrome. Baldassare AR, et al. **Ann Rheum Dis** 1981 Jun; 40(3):281–5
Lymphocytotoxicity of anti-Klebsiella antisera in ankylosing spondylitis and related arthropathies: patient and family studies. Edmonds J, et al. **Arthritis Rheum** 1981 Jan; 24(1):1–7
Reactive arthritis [letter] Calin A, et al. **Br Med J** 1980 Jul 26;281(6235):311–2
Presence of circulation immune complexes in Reiter's syndrome and ankylosing spondylitis. Rosenbaum JT, et al. **Clin Immunol Immunopathol** 1981 Feb;18(2):291–7
Cell-mediated immune responses of synovial mononuclear cells in Reiter's syndrome against ureaplasmal and chlamydial antigens. Ford DK, et al. **J Rheumatol** 1980 Sep–Oct;7(5):751–5
High frequency of HLA-B27 and Reiter's syndrome in Navajo Indians. Morse HG, et al. **J Rheumatol** 1980 Nov–Dec;7(6):900–2
Lymphocytes of synovial fluid and peripheral blood in reactive arthritis. A case report. Bjelle A, et al. **Scand J Infect Dis [Suppl]** 1980;Suppl 24:58–62

MICROBIOLOGY

[Ultrastructure of the initial stages of interaction between halprowiae (Chlamydiae) and host cells] Popov VL, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Aug;(8):28–33 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Pathology quiz case 1. Tschen JA. **Arch Dermatol** 1981 Jun; 117(6):370–2
Probably fortuitous association of rheumatic fever and Reiter's syndrome. Gerster JC, et al. **Z Rheumatol** 1980 Sep–Oct;39(9–10):343–7
[Reiter's syndrome in children] Ostropolets SS, et al. **Pediatriia** 1980 Nov;(11):62–4 **(Rus)**
[Reiter's syndrome in a patient with chronic gonorrhea] Rod' OI, et al. **Vestn Dermatol Venerol** 1981 Feb;(2):70–2 **(Rus)**
[Reiter's syndrome and interstitial desquamative pneumonia. Considerations on a case] Miguel de la Villa F, et al. **Rev Clin Esp** 1980 Nov 15;159(3):203–6 **(Spa)**

THERAPY

[Treatment of Reiter's syndrome] Kogan AI. **Klin Med (Mosk)** 1981 Jan;59(1):84–5 (Eng. Abstr.) **(Rus)**

REJECTION (PSYCHOLOGY)

Using redefinition and paradox with children in placement who provoke rejection. Kagan RM. **Child Welfare** 1980 Nov;59(9):551–9
Maternal rejection and children's intensity. Implications for sex differences in affective development. Gruen A. **Confin Psychiatr** 1980;23(4):223–9
Learned helplessness in social situations. Goetz TE, et al. **J Pers Soc Psychol** 1980 Aug;39(2):246–55
Self-esteem and self-derogation theory of drug abuse. Kaplan HB. **Natl Inst Drug Abuse Res Monogr Ser** 1980 Mar; (30):128–31
Obsession with the rejecting beloved. Mintz EE. **Psychoanal Rev** 1980 Winter;67(4):479–92
[Rejection and identity] Pankow G. **Z Klin Psychol Psychother** 1980;28(2):143–54 (Eng. Abstr.) **(Ger)**

REJUVENATION

['Rejuvenation'--an ancient theme] Kanowski S. **Med Klin** 1980 Sep 26;75(20):701 **(Ger)**

RELAPSING FEVER

DIAGNOSIS

Tick-borne relapsing fever in the Pacific Northwest: an underdiagnosed illness? Fihn S, et al. **West J Med** 1980 Sep;133(3):203–9

OCCURRENCE

Louse-borne relapsing fever in the Sudan. A historical review and a clinico-pathological study. Ahmed MA, et al. **Trop Geogr Med** 1980 Jun;32(2):106–11

PATHOLOGY

[24 years of periodic fever] Walter-Sack I, et al. **MMW** 1980 Nov 28;122(48):1729–30 **(Ger)**

TRANSMISSION

Tick-borne relapsing fever in children. Le CT. **Pediatrics** 1980 Dec;66(6):963–6

RELATIVE BIOLOGICAL EFFECTIVENESS

Dose-rate, rbe, and oer. Martins BI. **Strahlentherapie** 1980 Jul;156(7):480–5

RELAXATION

Catechol-O-methyltransferase and catecholamines in anxiety and relaxation. Mathew RJ, et al. **Psychiatry Res** 1980 Sep; 3(1):85–91
[Social hygiene study of the relationship of the population of Baku to various types and forms of rest] Akhundov VIu, et al. **Gig Sanit** 1980 Dec;(12):45–7 **(Rus)**
[Problems in improving the economic mechanism in sanatorium and health resort institutions and rest homes] Tkachenko IT. **Vrach Delo** 1981 Feb;(2):119–21 **(Rus)**

RELAXATION TECHNICS

Inner dialogue: a self-healing approach for nurses and clients. Clark CC. **Am J Nurs** 1981 Jun;81(6):1191–3
Anxiety and platelet MAO levels after relaxation training. Mathew RJ, et al. **Am J Psychiatry** 1981 Mar;138(3):371–3
Transcendental meditation verus muscle relaxation: two-year follow-up of a controlled experiment. Zuroff DC, et al. **Am J Psychiatry** 1980 Oct;137(10):1229–21
The effects of group study skills counseling and applied relaxation on study behaviors and test anxiety in medical and dental students. Schroeder DG. **Annu Conf Res Med Educ** 1980;(19):175–80
Behavioral medicine in hemophilia arthritic pain management: two case studies. Varni JW. **Arch Phys Med Rehabil** 1981 Apr;62(4):183–7
Regression of recurrence of carcinoma of the breast at mastectomy site associated with intensive meditation. Meares A. **Aust Fam Physician** 1981 Mar;10(3):218–9
Anxiety management and applied relaxation in reducing general anxiety. Hutchings DF, et al. **Behav Res Ther** 1980; 18(3):181–90
Psychophysiological and cognitive responses to stressful stimuli in subjects practicing progressive relaxation and clinically standardized meditation. Lehrer PM, et al. **Behav Res Ther** 1980;18(4):293–303
Autonomic responses to stress: the effects of progressive relaxation, the relaxation response, and expectancy of relief. Bradley BW, et al. **Biofeedback Self Regul** 1981 Jun; 6(2):235–51
Follow-up to: 'Tension headaches: what form of therapy is most effective?' Reinking RH, et al. **Biofeedback Self Regul** 1981 Mar;6(1):57–62
Effects of relaxation and/or biofeedback training upon hip flexion in gymnasts. Wilson VE, et al. **Biofeedback Self Regul** 1981 Mar;6(1):25–34
Effects of structured relaxation on retrieval from long term storage: an EMG study. Jones DM, et al. **Biol Psychol** 1980 Aug;11(1):37–44
Relaxation and skin conductance feedback in the control of reactions to cognitive tasks. Steptoe A, et al. **Biol Psychol** 1980 Mar;10(2):127–38
A comparison of frontalis EMG feedback training and progressive relaxation in the treatment of chronic anxiety. Leboeuf A, et al. **Br J Psychiatry** 1980 Sep;137:279–84
Controlled trial of biofeedback-aided behavioural methods in reducing mild hypertension. Patel C, et al. **Br Med J [Clin Res]** 1981 Jun 20;282(6281):2005–8
Electroencephalographic findings during mantra meditation (transcendental meditation). A controlled, quantitative study of experienced meditators. Stigsby B, et al. **Electroencephalogr Clin Neurophysiol** 1981 Apr; 51(4):434–42
Relaxation therapy for somatoform disorders. Johnson C, et al. **Hosp Community Psychiatry** 1981 Jun;32(6):423–4
Mathematical investigation of populations of coupled synthesized relaxation oscillators representing biological rhythms. Bardakjian BL, et al. **IEEE Trans Biomed Eng** 1981 Jan;28(1):10–5
Hypnotic responsivity as a predictor of outcome in meditation. Heide FJ, et al. **Int J Clin Exp Hypn** 1980 Oct; 28(4):358–66
The Abhidharma: a cross-cultural model for the psychiatric application of meditation. Strassman RJ, et al. **Int J Soc Psychiatry** 1980;26(4):293–9
Relaxation and musical programming as means of reducing psychological stress during dental procedures. Corah NL, et al. **J Am Dent Assoc** 1981 Aug;103(2):232–4
Biofeedback and relaxation in the treatment of tension headaches: a reply to Belar. Blanchard EB, et al.

J Behav Med 1980 Sep;3(3):227–32

Relaxation therapy for essential hypertension: a Veterans Administration Outpatient study. Brauer AP, et al. **J Behav Med** 1979 Mar;2(1):21–9

Progressive and self-induced relaxation training: their relative effects on subjective and autonomic arousal to fearful stimuli. Green KD, et al. **J Clin Psychol** 1981 Apr; 37(2):309–15

The effects of relaxation instructions and EMG biofeedback on test anxiety, general anxiety, and locus of control. Reed M, et al. **J Clin Psychol** 1980 Jul;36(3):683–90

Relaxation therapy of hypertension. Hahn DL. **J Fam Pract** 1981 Aug;13(2):279–80

Relaxation therapy as an adjunct treatment for essential hypertension. Wadden TA, et al. **J Fam Pract** 1980 Nov; 11(6):901–8 (59 ref.)

Importance of relaxation instructions in the EMG biofeedback training package. Burish TG, et al. **J Psychosom Res** 1980;24(3–4):137–45

The psychosomatics of meditation. West MA. **J Psychosom Res** 1980;24(5):265–73

Relaxation/mental imagery (self-hypnosis) and pelvic examinations in adolescents. Kohen DP. **JDBP** 1980 Dec; 1(4):180–6

Healing and meditation in medical practice. Magarey C. **Med J Aust** 1981 Apr 4;1(7):338, 340–1

Myofascial pain of the temporomandibular joint: a review of the behavioral-relaxation therapies. Scott DS, et al. **Pain** 1980 Oct;9(2):231–41 (51 ref.)

Treatment of retarded ejaculation with psychotherapy and meditative relaxation: a case report. Delmonte M, et al. **Psychol Rep** 1980 Aug;47(1):8–10

Effect of relaxation training on students' persistence and academic performance. Stout CC, et al. **Psychol Rep** 1980 Aug;47(1):189–90

The transcendental meditation technique and acute experimental pain. Mills WW, et al. **Psychosom Med** 1981 Apr;43(2):157–64

Treatment of a psychosomatic ailment in an elderly woman. Garfinkel R. **Psychosomatics** 1980 Dec;21(12):1015–6

[Treatment of hypertensive patients with Chi-kung and regular antihypertensive therapy—a comparative study of 4-year treatment results of 135 cases (author's transl)] Kuang AK. **Chung Hua Nei Ko Tsa Chih** 1979;18(3):187–91 **(Chi)**

[Special physical training – a contribution to the improvement of children with minimal cerebral dysfunction. Preliminary report] Zemánková M, et al. **Cesk Pediatr** 1980 Jul;35(7):359–62 (Eng. Abstr.) **(Cze)**

[Psychoses and meditation] Hansen W. **Ugeskr Laeger** 1980 Dec 29;143(1):20–2 (Eng. Abstr.) **(Dan)**

[A cold look at transcendental meditation] Barte HN, et al. **Ann Med Psychol (Paris)** 1980 Jul–Sep;138(7):839–48 (Eng. Abstr.) **(Fre)**

[Rehabilitation of the coronary patient. Relaxation] Dettwiler W. **Rev Med Suisse Romande** 1981 Jan;101(1):41–4 **(Fre)**

[Visual and computerized analysis of EEG during transcendental meditation and sleep (author's transl)] Wachsmuth D, et al. **EEG EMG** 1980 Dec;11(4):183–8 (Eng. Abstr.) **(Ger)**

[Relaxation therapy with Thomas. First steps on a new path] Mall W. **Prax Kinderpsychol Kinderpsychiatr** 1980 Nov–Dec;29(8):298–301 (Eng. Abstr.) **(Ger)**

[Types of self-contemplation (author's transl)] Langen D. **Psychother Psychosom Med Psychol** 1980 Jul;30(4):139–73 (Eng. Abstr.) **(Ger)**

[Therapeutical treatment of primiparae to reduce anxieties in connection with pregnancy and delivery (author's transl)] Lukesch H, et al. **Z Geburtshilfe Perinatol** 1980 Aug;184(4):303–9 (Eng. Abstr.) **(Ger)**

[Periodicity and rhythm in view of 'functional relaxation'] Klotz-Wiesenhütter M. **Z Klin Psychol Psychother** 1980; 28(3):243–50 (Eng. Abstr.) **(Ger)**

[Treating asthmatic patients by relaxation] Levendel L, et al. **Orv Hetil** 1980 May 4;121(18):1055–7 **(Hun)**

[The effect of transcendental meditation on the degree of neuroticism] Sandahl FP. **Lakartidningen** 1980 Aug 20; 77(34):2808–10 (Eng. Abstr.) **(Swe)**

METHODS

Meditation in general practice. Patel C. **Br Med J [Clin Res]** 1981 Feb 14;282(6263):528–9

Transcendental meditation and mental retardation. Eyerman J. **J Clin Psychiatry** 1981 Jan;42(1):35–6

The relaxation response: your inborn capacity to counteract the harmful effects of stress. Benson H, et al. **J Fla Med Assoc** 1981 Apr;68(4):265–7

RELAXIN

ANALYSIS

Limited sequence homology between porcine and rat relaxins: implications for physiological studies. John MJ, et al. **Endocrinology** 1981 Feb;108(2):726–9

Immunocytochemical localization of relaxin in endometrial glands of the pregnant guinea pig. Pardo R, et al. **Endocrinology** 1980 Dec;107(6):2110–2

Relaxin immunoactivity levels in ovarian extracts obtained from rats during various reproductive states and from adult cycling pigs. Sherwood OD, et al. **Endocrinology** 1981 Apr; 108(4):1171–7

Relaxin in human decidua. Bigazzi M, et al. **J Clin Endocrinol Metab** 1980 Oct;51(4):939–41

Potencies of porcine relaxins using two bioassays. Chamley WA, et al. **J Endocrinol** 1981 Jan;88(1):89–96

Identification of relaxins in porcine follicular fluid and in the ovary of the immature sow. Matsumoto D, et al. **J Reprod Fertil** 1980 Mar;58(2):369–75

BIOSYNTHESIS

Relaxin production by the porcine ovarian graafian follicle in vitro. Bryant-Greenwood GD, et al. **Biol Reprod** 1980 Nov;23(4):792–800

BLOOD

Relaxin immunoactivity in plasma during the reproductive cycle of the female guinea pig. Boyd S, et al. **Biol Reprod** 1981 Mar;24(2):405–14

Relaxin in non-pregnant women during ovarian stimulation. Thomas K, et al. **Gynecol Obstet Invest** 1980;11(2):75–80

GENETICS

Molecular cloning and characterization of cDNA sequences coding for rat relaxin. Hudson P, et al. **Nature** 1981 May 14;291(5811):127–31

IMMUNOLOGY

Immunofluorescence studies using antisera to crude and to purified porcine relaxin. Arakaki RF, et al. **Biol Reprod** 1980 Aug;23(1):153–9

ISOLATION & PURIFICATION

Evidence for relaxin in corpora lutea of late pregnant cows. Fields MJ, et al. **Endocrinology** 1980 Oct;107(4):869–76

Isolation and characterization of relaxin from the sand tiger shark (Odontaspis taurus). Reinig JW, et al. **Endocrinology** 1981 Aug;109(2):537–43

Use of an octadecylsilica purification method minimizes proteolysis during isolation of porcine and rat relaxins. Walsh JR, et al. **Endocrinology** 1980 Oct;107(4):1258–60

Relaxin purification from human placental basal plates. Yamamoto S, et al. **J Clin Endocrinol Metab** 1981 Apr; 52(4):601–4

METABOLISM

Purification and immunohistochemical localization of relaxin in the human term placenta. Fields PA, et al. **J Clin Endocrinol Metab** 1981 Jan;52(1):79–85

PHARMACODYNAMICS

Relaxin improves the coordination of rat myometrial activity in vivo. Downing SJ, et al. **Biol Reprod** 1980 Dec; 23(5):899–903

Myometrial activity and the distribution of blastocysts in the uterus of the rat: interference by relaxin. Pusey J, et al. **Biol Reprod** 1980 Sep;23(2):394–7

Relaxin inhibition of KCl-induced uterine contractions in vitro: an alternative bioassay. St-Louis J. **Can J Physiol Pharmacol** 1981 May;59(5):507–12

Prolactin and relaxin: antagonism on the spontaneous motility of the uterus. Bigazzi M, et al. **J Clin Endocrinol Metab** 1981 Sep;53(3):665–7

Enhancement of uterine cervix extensibility in oestrogen-primed mice following administration of relaxin. Fields PA, et al. **J Endocrinol** 1980 Oct;87(1):147–52

Modulation of cyclic AMP in isolated rat uterine tissue slices by porcine relaxin. Judson DG, et al. **J Endocrinol** 1980 Oct;87(1):153–9

Inhibition of oxytocin–or prostaglandin F2alpha–driven myometrial activity by relaxin in the rat is oestrogen–dependent. Porter DG, et al. **J Endocrinol** 1981 Jun;89(3):399–404

Relaxin inhibits myometrial activity in the ovariectomized non–pregnant ewe. Porter DG, et al. **J Reprod Fertil** 1981 Mar;61(2):409–14

SECRETION

Relaxin secretion in the rhesus monkey. Weiss G, et al. **Biol Reprod** 1981 Apr;24(3):565–7

Placental control of ovarian immunoreactive relaxin secretion in the pregnant rat. Goldsmith LT, et al. **Endocrinology** 1981 Aug;109(2):548–52

RELIEF WORK see under **DISASTERS**

RELIGION

The relation of the sciences to human and religious values. Burhoe RW. **Adv Biol Med Phys** 1977;16:323–31

Influence of selection versus lifestyle on risk of fatal cancer and cardiovascular disease among Seventh-day Adventists. Phillips RL, et al. **Am J Epidemiol** 1980 Aug;112(2):296–314

'Ex-gays': religious abuse of psychiatry? [letter] **Am J Psychiatry** 1981 Jun;138(6):852–3

Dilemmas in the evaluation and management of religious cultists. Maleson FG. **Am J Psychiatry** 1981 Jul; 138(7):925–9

Born again and live longer? [editorial] **Br Med J** 1980 Dec 20–27;281(6256):1661–2

Religious symbols in dreams of analytical patients. Hall JA. **J Am Acad Psychoanal** 1981 Apr;9(2):237–49

Employment rules concerning religious discrimination. Thomas JW. **J Am Vet Med Assoc** 1981 Mar 1; 178(5):458–460

Ethnic and religious factors in marriage in Sri Lanka. Fernando DF. **J Biosoc Sci** 1980 Oct;12(4):429–36

Jehovah's Witnesses, how can we help them? Fatteh MM. **J Med Assoc Ga** 1980 Dec;69(12):977–9

Religiosity, beliefs, normative standards and adolescent drinking. Burkett SR. **J Stud Alcohol** 1980 Jul;41(7):662–71

Sociobiology and informal social controls of drinking: findings from two charismatic sects. Galanter M. **J Stud Alcohol** 1981 Jan;42(1):64–79

Religious affiliation and abstinence; a fifteen-year change. Nusbaumer MR. **J Stud Alcohol** 1981 Jan;42(1):127–31

Values of baccalaureate nursing students in secular and religious schools. Blomquist BL, et al. **Nurs Res** 1980 Nov–Dec;29(6):379–83

Religion and illness: an outline of their relationship. Sevensky RL. **South Med J** 1981 Jun;74(6):745–50

[A popular magician from Hirpinia: Uncle Vicienzo Camuso] Lützenkirchen G, et al. **Med Secoli** 1978 Sep–Dec; 16(3):427–39 **(Ita)**

HISTORY

The real Thomas More? Elton GR. **Psychol Med** 1980 Nov; 10(4):611–7

RELIGION AND MEDICINE

Does the Hyde Amendment viclate religious freedom? Harris v. McRae and the First Amendment. Gold JA. **Am J Law Med** 1980 Fall;6(3):361–72

Peer group influence on adolescent alcohol use: the psychiatric impact of charismatic sects. Galanter M. **Bull NY Acad Med** 1981 Jun;57(5):370–7

Hemodilution and induced hypotension for insertion of a Harrington rod in a Jehovah's Witness patient. Wong KC, et al. **Clin Orthop** 1980 Oct;(152):237–40

Saints in medical history (a complement). Théodoridès J. **Clio Med** 1980 Jul;14(3–4):269–70

Faith healing for childhood leukemia. Brody B, et al. **Hastings Cent Rep** 1981 Feb;11(1):10–1

Transcultural use of narcotic water lilies in ancient Egyptian and Maya drug ritual. Emboden WA. **J Ethnopharmacol** 1981 Jan;3(1):39–83

The ethnobotany of the Northern Cheyenne Indians of Montana. Hart JA. **J Ethnopharmacol** 1981 Jul;4(1):1–55

Health policy and religion: conflict and accommodation in Israeli politics. Yishai Y. **J Health Polit Policy Law** 1980 Fall;5(3):431–46

Vindicating the minister's medical role: Cotton Mather's concept of the nishmath-chajim and the spiritualization of medicine. Warner MH. **J Hist Med Allied Sci** 1981 Jul; 36(3):278–95

Jehovah's Witnesses, how can we help them? Fatteh MM. **J Med Assoc Ga** 1980 Dec;69(12):977–9

The hands of the healer: has faith a place? Davies G. **J Med Ethics** 1980 Dec;6(4):185–9

Concepts of illness in ancient China: the case of demonological medicine. Unschuld PU. **J Med Philos** 1980 Jun;5(2):117–32

Helping students to resolve conflicts between their religious beliefs and psychiatric-mental health treatment approaches. Slimmer LW. **J Psychiatr Nurs** 1980 Jul;18(7):37–9

Medical Alert' for Witnesses [news] **JAMA** 1981 Jul 3; 246(1):19

Home deliveries: a changing Amish pattern [letter] Sutter TL. **JAMA** 1980 Nov 21;244(20):2262–3

The fourth book [editorial] Vaisrub S. **JAMA** 1980 Sep 19; 244(12):1362

Cancer mortality among Mormons in California during 1968—75. Enstrom JE. **JNCI** 1980 Nov;65(5):1073–82

Cancer incidence in Mormons and non-Mormons in Utah during 1967—75. Lyon JL, et al. **JNCI** 1980 Nov; 65(5):1055–61

Cancer in Utah: risk by religion and place of residence. Lyon JL, et al. **JNCI** 1980 Nov;65(5):163–71

Cancer mortality in a human isolate. Martin AO, et al. **JNCI** 1980 Nov;65(5):1109–13

Mortality among California Seventh-Day Adventists for selected cancer sites. Phillips RL, et al. **JNCI** 1980 Nov; 65(5):1097–1107

Cancer risk factors: an analysis of Utah Mormons and non-Mormons. West DW, et al. **JNCI** 1980 Nov; 65(5):1083–95

Intracardiac surgery in children of Jehovah's Witnesses. Levinsky L, et al. **Johns Hopkins Med J** 1981 May; 148(5):196–8

Religion in patients with advanced cancer. Yates JW, et al. **Med Pediatr Oncol** 1981;9(2):121–8

Jan Baptiste Van Helmont, M.D. (1579—1644); religion, mysticism, and science in a century of change. Bloch H. **NY State J Med** 1980 Sep;80(10):1631–3

The impact of indigenous healing activity: an empirical study of two fundamentalist churches. Ness RC. **Soc Sci Med [Med Anthropol]** 1980 Apr;14B(3):167–80

A spiritual healer, Clive Harris [editorial] Sokolowska M. **Soc Sci Med [Med Anthropol]** 1980 Apr;14B(3):129–31

Religion and health. Hannay DR. **Soc Sci Med [Med Psychol Med Sociol]** 1980 Dec; 14A(6):683–5

Casuistry and professional obligations: the regulation of physicians by the court of conscience in the late Middle Ages. Amundsen DW. **Trans Stud Coll Physicians Phila** 1981 Mar;3(1):22-39

Some aspects of exorcism within the Catholic Church in the sixteenth and seventeenth centuries. Ernst C. **Trans Stud Coll Physicians Phila** 1981 Mar;3(1):53-61

[From acupuncture to embryology] Patole-Lissac M. **Rev Odontostomatol (Paris)** 1981 Mar-Apr;10(2):147-55 **(Fre)**

[The dignity of the patient and medical progress from the Catholic point of view] Ziegler A. **Bull Schweiz Akad Med Wiss** 1980 Nov;36(4-6):259-321 (Eng. Abstr.) **(Ger)**

[St. Ottilia, Patron saint of suffers from eye diseases. an unusual representation with a crab's pincer at the Mercy-Seat Altar in Bad Aussee (author's transl)] Grossmann T. **Klin Monatsbl Augenheilkd** 1981 Jun; 178(6):480-1 (Eng. Abstr.) **(Ger)**

[Leitmotiv of endocrinologic treatment. Pastoral-anthropological considerations on the principle of individuation] van de Spijker AM. **MMW** 1980 Jun 27; 122(26):984-6 **(Ger)**

[Hebrew medical amulets] Davis E. **Harefuah** 1980 Sep; 99(5-6):132-3 (Eng. Abstr.) **(Heb)**

[Benedetto da Norcia and convent medicine in Europe (on the 1500th anniversary of his birth)] Ferrari Sacco A. **Minerva Med** 1981 Mar 10;72(9):585-7 **(Ita)**

[Statuary and painting iconography of Saint Apollonia in the Milan Cathedral] Rocchietta S. **Minerva Med** 1981 Jan 14; 72(1):45-9 **(Ita)**

[Longevity among Norwegian Adventists 1960-1977: a message of life style and health?] Waaler HT, et al. **Tidsskr Nor Laegeforen** 1981 Apr 20;101(11):623-7 (Eng. Abstr.) **(Nor)**

[The eye disease of Francis of Assisi (author's transl)] Casanovas J. **Klin Oczna** 1980 May;82(5):243-4 (Eng. Abstr.) **(Spa)**

RELIGION AND PSYCHOLOGY

The cult phenomenon: transition, repression, and regression. Feinstein SC. **Adolesc Psychiatry** 1980;8:113-22

Rural communes and religious cults: refuges for middle-class youth. Levine EM. **Adolesc Psychiatry** 1980;8:138-53

The role of psychiatry in the phenomenon of cults. Levine SV. **Adolesc Psychiatry** 1980;8:123-37

Youth and religious movements. Zaretsky II. **Adolesc Psychiatry** 1980;8:281-7

Large group influence for decreased drug use: findings from two contemporary religious sects. Galanter M, et al. **Am J Drug Alcohol Abuse** 1980;7(3-4):291-304

Tenacity of attachment to a cult leader: a psychiatric perspective. Deutsch A. **Am J Psychiatry** 1980 Dec; 137(12):1569-73

Charismatic religious experience and large-group psychology. Galanter M, et al. **Am J Psychiatry** 1980 Dec; 137(12):1550-2

Psychological induction into the large-group: findings from a modern religious sect. Galanter M. **Am J Psychiatry** 1980 Dec;137(12):1574-9

'Ex-Gays': Religiously mediated change in homosexuals. Pattison EM, et al. **Am J Psychiatry** 1980 Dec; 137(12):1553-62

Religiousness, conversion, and subjective well-being: the 'healthy-minded' religion of modern American women. Shaver P, et al. **Am J Psychiatry** 1980 Dec;137(12):1563-8

The double orientation of the ego in the practice of Zen. Krynicki VE. **Am J Psychoanal** 1980 Fall;40(3):239-48

Childhood sexual identity, childhood religiosity, and 'homophobia' as influences in the development of transsexualism, homosexuality, and heterosexuality. Hellman RE, et al. **Arch Gen Psychiatry** 1981 Aug; 38(8):910-5

More historical dimensions of commonsense knowledge: spiritual consolation for the depressed. Rippere V. **Behav Res Ther** 1980;18(6):549-63

'Possession' in psychiatric patients in Britain. Whitwell FD, et al. **Br J Med Psychol** 1980 Dec;53(4):287-95

The Guyana incident: some psychoanalytic considerations. Zee HJ. **Bull Menninger Clin** 1980 Jul;44(4):345-63

Peer group influence on adolescent alcohol use: the psychiatric impact of charismatic sects. Galanter M. **Bull NY Acad Med** 1981 Jun;57(5):370-7

Prophets and advisors in black spiritual churches: therapy, palliative, or opiate? Baer HA. **Cult Med Psychiatry** 1981 Jun;5(2):145-70

Class, religious participation and psychiatric symptomology. Carr LG, et al. **Int J Soc Psychiatry** 1981 Summer; 27(2):133-42

Frequency of church attendance and blood pressure elevation. Graham TW, et al. **J Behav Med** 1978 Mar; 1(1):37-43

Self-mutilation accompanying religious delusions: a case report and review. Clark RA. **J Clin Psychiatry** 1981 Jun; 42(6):243-5

The importance of cultural factors in a brief reactive psychosis. Krieger MJ, et al. **J Clin Psychiatry** 1981 Jun; 42(6):248-9

Perceived effectiveness of religious solutions to personal problems. Lilliston L, et al. **J Clin Psychol** 1981 Jan; 37(1):118-22

Religious and Humanistic values: a reply to Ellis and Walls. Bergin AE. **J Consult Clin Psychol** 1980 Oct;48(5):642-5

Psychotherapy and atheistic values: a response to A. E. Bergin's 'Psychotherapy and religious values'. Ellis A. **J Consult Clin Psychol** 1980 Oct;48(5):635-9

Values and psychotherapy: a comment on 'Psychotherapy and religious values'. Walls GB. **J Consult Clin Psychol** 1980 Oct;48(5):640-1

Theories underlying exorcism: theological and psychic. Moore EG. **J R Soc Med** 1979 Mar;72(3):220-1

Stinky. Brown DA. **J Sch Health** 1980 Dec;50(10):581-2

The relationship between neuroticism and religiosity among English 15- and 16-year-olds. Francis L, et al. **J Soc Psychol** 1981 Jun;114(First Half):99-102

The messianic idea and messianic delusion. Perez L. **Ment Health Soc** 1978;5(5-6):266-74

Interpretation as devotion: Freud's relation to rabbinic hermeneutics. Handelman S. **Psychoanal Rev** 1981 Summer; 68(2):201-8

Insanity and the realities of history in early modern England. MacDonald M. **Psychol Med** 1981 Feb;11(1):11-25

Suicide rate and religion within the United States. Templer DI, et al. **Psychol Rep** 1980 Dec;47(3 Pt 1):898

Born again status as a factor in death anxiety. Young M, et al. **Psychol Rep** 1980 Oct;47(2):367-70

[The supposedly pathogenic role of so-called 'sects'] Bieder J. **Ann Med Psychol (Paris)** 1980 Mar;138(3):336-47 **(Fre)**

[Blasphemous expressions and religious ideas of sin in children and adolescents] Klosinski G. **Acta Paedopsychiatr (Basel)** 1980 Jun;45(6):325-35 (Eng. Abstr.) **(Ger)**

[Questing and despairing. On the problem of self-destructive behaviour in youths with particular reference to 'destructive sects' (author's transl)] Lungershausen E. **Fortschr Neurol Psychiatr** 1980 Sep;48(9):461-93 (Eng. Abstr.) **(Ger)**

[On the fascination and pathogenicity associated with youth cults (author's transl)] Lang H. **Nervenarzt** 1980 Mar; 51(3):183-7 **(Ger)**

[Youths in destructive religious groups] Ach M. **Oeff Gesundheitswes** 1980 Jun;42 Suppl 1:61-4 **(Ger)**

[Psychopathology and proclamation of the prophet Ezekiel. The phenomenon of prophetic ecstasy] Bron B. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 128(1):21-31 (Eng. Abstr.) **(Ger)**

[The art and science of healing as exemplified by Father Sebastian Kneipp] Beckmann P, et al. **Ther Ggw** 1980 Aug; 119(8):945-53 **(Ger)**

[Belief in reincarnation (the 'ogba nje' phenomenon) and its significance for psychotherapy in Nigeria] Ebigbo PO, et al. **Z Psychosom Med Psychoanal** 1981 Jan-Mar;27(1):84-91 (Eng. Abstr.) **(Ger)**

RELIGION AND SCIENCE

Jan Baptiste Van Helmont, M.D. (1579--1644); religion, mysticism, and science in a century of change. Bloch H. **NY State J Med** 1980 Sep;80(10):1631-3

Creationists limit scope of evolution case [news] Broad WJ. **Science** 1981 Mar 20;211(4488):1331-2

[Demonopathy between faith and science] Nocera F. **Med Secoli** 1978 Sep-Dec;16(3):441-6 **(Ita)**

RELIGION AND SEX

The new opposition to sex education: a powerful threat to a democratic society. Scales P. **J Sch Health** 1981 Apr; 51(4):300-4

RELIGIOUS BELIEFS see **RELIGION**

REMEDIAL TEACHING

The educator's role in the juvenile justice system. Sametz L. **Adolescence** 1981 Spring;16(61):101-9

English remediation and the older deaf student: the computer as a tool. Dolman D. **Am Ann Deaf** 1980 Sep;125(6):655-61

Remedial education in specific reading retardation. Khuan TC, et al. **Med J Malaysia** 1980 Mar;34(3):273-8

Factors influencing tutors' perceptions of retarded children. Lafontaine TL, et al. **Percept Mot Skills** 1981 Feb; 52(1):33-4

Three years on at Pingle school. Roberts L, et al. **Spec Educ Forward Trends** 1980 Jun;7(2):24-6

[School instruction in the hospital as a compensation and rehabilitation factor] Wienhues J. **Prax Kinderpsychol Kinderpsychiatr** 1981 Apr;30(3):91-5 (Eng. Abstr.) **(Ger)**

METHODS

The use of media in a diagnostic prescriptive model for educating deaf multi-handicapped students. Prokes LL. **Am Ann Deaf** 1980 Sep;125(6):844-8

The effects of a dyslexia-centred teaching programme. Hornsby B, et al. **Br J Educ Psychol** 1980 Nov;50(Pt 3):236-42

The short-term and long-term amelioration of academic and motivational deficiencies among low-achieving inner-city adolescents. Rodick JD, et al. **Child Dev** 1980 Dec; 51(4):1126-32

The organisation of motor patterns for spelling: an effective remedial strategy for backward readers. Bradley L. **Dev Med Child Neurol** 1981 Feb;23(1):83-91

Increasing spelling achievement: an analysis of treatment procedures utilizing an alternating treatments design. Ollendick TH, et al. **J Appl Behav Anal** 1980 Winter; 13(4):645-54

Identifying and remediating specific deficiencies of entering medical students. Slotnick HB. **J Med Educ** 1981 Feb; 56(2):91-102

Comparison of remedial treatments for cursive handwriting of fourth-grade students. Jackson KA, et al. **Percept Mot Skills** 1980 Dec;51(3 Pt 2):1215-21

Dyslexia: why and when the visual-acoustic-kinesthetic-tactile remedial approach might work. Peter M. **Percept Mot Skills** 1981 Apr; 51(2):630

[Remedial therapy--what can it achieve? (author's transl)] Kobi EE. **Ther Umsch** 1981 Apr;38(4):338-42 (Eng. Abstr.) **(Ger)**

[Early remedial treatment for babies and young children with impaired vision (author's transl)] Nef-Landolt R. **Ther Umsch** 1981 Apr;38(4):378-88 (Eng. Abstr.) **(Ger)**

REMISSION see under **DISEASE**

RENAL ARTERY

Transcatheter embolization of the renal artery with bucrylate in renal carcinoma. Skjennald A, et al. **Acta Radiol [Diagn] (Stockh)** 1980;21(2A):215-9

Renal artery aneurysms in polyarteritis nodosa: a multiepisodic phenomenon. Fisher RG. **AJR** 1981 May; 136(5):983-85

Arteriovenous fistula of a segmental renal artery branch as a complication of percutaneous angioplasty. Oleaga JA, et al. **AJR** 1981 May;136(5):988-9

CT features of renal polyarteritis nodosa. Pope TL Jr, et al. **AJR** 1981 May;136(5):986-7

Renal artery angioplasty versus surgery: a hypertensionologist's dilemma. Slater EE. **AJR** 1980 Nov; 135(5):961-2

Renal aneurysms in rejected renal transplants [letter] Hemingway AP, et al. **Br Med J** 1980 Dec 13; 281(6255):1640-1

Rejection of renal transplants: a further cause of intrarenal aneurysms. Walker JF, et al. **Br Med J** 1980 Nov 8; 281(6250):1251

Acute renal failure as a consequence of sudden renal artery occlusion. de la Rocha AG, et al. **Can J Surg** 1981 May; 24(3):218-22

Transcatheter obliteration of the renal artery by ethanol injection: experimental results. Ekelund L, et al. **Cardiovasc Intervent Radiol** 1981 Feb;4(1):1-7

Urogranoic acid as a radiopaque additive to the cyanoacrylic adhesive in transcatheter obliteration of renal arteries. Szmigielski W, et al. **Invest Radiol** 1981 Jan-Feb; 16(1):65-70

Renal artery occlusion by the radiologist: clinical applications. Montiel DC, et al. **J Med Assoc State Ala** 1980 Dec;50(6):31-4

Percutaneous transluminal renal angioplasty (PTRA). Gerlock AJ Jr, et al. **J Tenn Med Assoc** 1981 May; 74(5):360-2

Quantification of arteriovenous shunting in renal cell carcinoma. Barth KH, et al. **J Urol** 1981 Feb;125(2):161-3

Congenital renal arteriovenous malformation: ultrasonic appearance. Cisternino SJ, et al. **J Urol** 1981 Aug; 126(2):238-9

New indications for renal infarction. Jacobs JA, et al. **J Urol** 1981 Feb;125(2):243-5

Complications of the Gianturco coil in preoperative infarction of renal cell carcinoma. Klein FA, et al. **J Urol** 1981 Jan;125(1):105-7

Normal left renal vein mimicking left renal artery aneurysm. Kurtz AB, et al. **JCU** 1981 Mar;9(3):105-8

Progression of renal artery fibromuscular dysplasia in 42 patients as seen on angiography. Goncharenko V, et al. **Radiology** 1981 Apr;139(1):45-51

Therapeutic embolization of the renal artery with Gianturco coils: limitations and technical pitfalls. Mazer MJ, et al. **Radiology** 1981 Jan;138(1):37-46

Selective renal artery embolization for control of biopsy-induced bleeding. Neviackas JA, et al. **South Med J** 1981 Jan;74(1):69-71

Solitary renal artery aneurysm. Hubert JP Jr, et al. **Surgery** 1980 Oct;88(4):557-65

Angiographic nephrectomy as a nonsurgical treatment of ureteral fistulas. Nadalini VF, et al. **Urol Radiol** 1980-81; 2(4):249-51

Transcatheter embolization of traumatic renal arteriovenous fistula. Tisnado J, et al. **Urol Radiol** 1979-80;1(3):175-7

[Arteriovenous fistula of the renal pedicle after nephrectomy (author's transl)] Langeron P, et al. **J Mal Vasc** 1980; 5(1):55-62 (Eng. Abstr.) **(Fre)**

[Renal arteriovenous fistulae after nephrectomy: report of a case and review of the published literature (author's transl)] Dupuy JP, et al. **Sem Hop Paris** 1980 May 18-25; 56(19-20):939-45 (Eng. Abstr.) **(Fre)**

[Renal arteriovenous fistula following percutaneous renal biopsy. Report of surgical treatment with preservation of the kidney (author's transl)] Gattegno B, et al. **Sem Hop Paris** 1981 May 18-25;57(19-20):1029-33 (Eng.

Abstr.) (Fre)
[Renal arteriovenous fistulae (author's transl)] Lacombe M, et al. **Sem Hop Paris** 1981 Jan 18–25;57(3–4):126–32 (50 ref.) (Eng. Abstr.) (Fre)
[Blood and lymphatic vasa vasorum in synthetic arterial prostheses. Experimental study] Gafa M, et al. **Chir Patol Sper** 1979 Apr;27(2):143–52 (Eng. Abstr.) (Ita)
[Therapeutic embolization of the renal artery in uremic patients treated with hemodialysis] Sorrentino F, et al. **Minerva Nefrol** 1979 Jul–Sep;26(3):409–13 (Eng. Abstr.) (Ita)
[Angiographic embolization of renal tumors (author's transl)] Simonetti G, et al. **Radiol Med (Torino)** 1980 Mar; 66(3):119–30 (Eng. Abstr.) (Ita)
[Renin-dependent hypertension in a case with a giant renal artery aneurysm (author's transl)] Tsuchiya T, et al. **Nippon Jinzo Gakkai Shi** 1981 Feb;23(2):223–9 (Eng. Abstr.) (Jpn)
[3 clinical cases of fibromuscular dysplasia of the renal artery] Niculescu P, et al. **Rev Med Interna [Med Interna]** 1980 Mar–Apr;32(2):181–8 (Eng. Abstr.) (Rum)
[Clinical and experimental bases for renal artery embolization in treating tumors of the renal parenchyma] Arustamov DL, et al. **Klin Khir** 1981;(5):27–9 (Eng. Abstr.) (Rus)

ABNORMALITIES

Renal arteriovenous malformations: transcatheter embolization and follow-up. Nakamura H, et al. **AJR** 1981 Jul;137(1):113–6
Segmental renal autotransplantation in a patient with a single kidney affected by arteriovenous malformation and aneurysm. Nadjafi S, et al. **Am J Surg** 1981 May; 141(5):605–9
Renovascular hypertension after transplantation of a kidney perfused via multiple renal arteries. Oakes DD, et al. **Am Surg** 1981 Jun;47(6):272–4
Renal Artery. Originating above celiac axis. Schaffer R, et al. **NY State J Med** 1981 Jun;81(7):1109–11
Congenital renal vascular malformations in childhood. Association with hypertension and detection by angiography. Kaude JV, et al. **Pediatr Radiol** 1981; 10(4):207–9
Traumatic laceration of the kidney in children with supernumerary renal arteries. Yamazaki H, et al. **Urol Radiol** 1980–81;2(4):245–8
Congenital renal arteriovenous malformations. Kopchick JH, et al. **Urology** 1981 Jan;17(1):13–7
[Malignant renovascular hypertension caused by intraparenchymal anomalies of the left renal artery with lack of contralateral renin suppression. Cure by nephrectomy] Calvani M, et al. **Minerva Pediatr** 1979 Dec 15;31(23):1711–20 (Eng. Abstr.) (Ita)
[Coincidence between renal tumours and developmental varieties of renal vascularization -- accidental coexistence or causative relationship? (author's transl)] Giermański A, et al. **Pol Przegl Radiol** 1980 May–Jun;44(3):239–41 (Eng. Abstr.) (Pol)
[Renal blood vessel anomalies as a cause of urinary retention] Kosiński H. **Wiad Lek** 1980 Sep 15;33(18):1447–51 (Eng. Abstr.) (Pol)
[Congenital renal arteriovenous fistula] Guillén M, et al. **Arch Esp Urol** 1981 Mar–Apr;34(2):91–100 (Eng. Abstr.) (Spa)

ANATOMY & HISTOLOGY

Study of renal blood supply and its implication in renal pelvic surgery. Sporer A, et al. **Urology** 1981 Jan;17(1):18–21
[Ultrasonic topographical study of pancreatic vascular relationships. II. Left renal artery and vein (author's transl)] Weill F, et al. **J Radiol** 1980 Feb;61(2):85–7 (Eng. Abstr.) (Fre)
[The presence of arteriovenous anastomoses in the human kidney] Cavalli G, et al. **Boll Soc Ital Biol Sper** 1980 Nov 30;56(22):2327–30 (Eng. Abstr.) (Ita)
[Vascular flow-regulating devices in the human kidney] Re G, et al. **Boll Soc Ital Biol Sper** 1980 Nov 30;56(22):2323–6 (Eng. Abstr.) (Ita)

DRUG EFFECTS

Studies on the direct vasodilator effect of hydralazine in the isolated rabbit renal artery. Khayyal M, et al. **J Pharmacol Exp Ther** 1981 Feb;216(2):390–4
Furosemide-induced vasodilation: importance of the state of hydration and filtration. Gerber JG, et al. **Kidney Int** 1980 Oct;18(4):454–9
Antagonism of the renal vasodilator activity of dopamine by metoclopramide. Hahn RA, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Nov; 314(2):177–82
Histamine H1- and H2-receptors in canine renal artery in vivo and in vitro. Morcillo E, et al. **Rev Esp Fisiol** 1981 Mar;37(1):75–82
[Combined reactions of the cerebral and renal vessels to the action of hypertensive and hypotensive agents] Beketov AI, et al. **Farmakol Toksikol** 1980 Jul–Aug;43(4):376–81 (Eng. Abstr.) (Rus)
[Effect of qualitatively different fats on the structure of the aorta and the arteries of the heart and kidneys in rats] Pozdniakov AL, et al. **Vopr Pitan** 1980 Nov–Dec;(6):39–44 (Eng. Abstr.) (Rus)

INJURIES

Renovascular trauma. Brown MF, et al. **Am J Surg** 1980 Dec;140(6):802–5
Traumatic renal artery occlusion producing hypertension. Ernst D, et al. **Br J Surg** 1981 Jan;68(1):19–20
Pedicle injury masquerading as renal contusion: a possible urographic pitfall. Rogers CI, et al. **Cardiovasc Intervent Radiol** 1980 Jul;3(3):184–6
Successful repair of combined renal pedicle injury: a new application of the ex vivo 'bench' technique. Pfeffermann RA, et al. **Isr J Med Sci** 1980 Sep–Oct;16(9–10):724–8
Jejuno-renal injury following traumatic hyperextension. Mollitt DL, et al. **J Trauma** 1980 Nov;20(11):996–8
Renal arterial injuries caused by blunt trauma. Clark DE, et al. **Surgery** 1981 Jul;90(1):87–96
Arterial injury during perfusion preservation: a possible cause of posttransplantation renal artery stenosis. Oakes DD, et al. **Surgery** 1981 Feb;89(2):210–5
[Isolated dissection of the renal artery. A rare cause of arterial hypertension (author's transl)] Dard S, et al. **Nouv Presse Med** 1981 May 23;10(23):1909–11 (Eng. Abstr.) (Fre)
[Bilateral traumatic renal artery occlusion] Takács P, et al. **Morphol Igazsagugyi Orv Sz** 1980 Jul;20(3):230–2 (Hun)
[Case of traumatic kidney rupture with simultaneous avulsion of the renal artery and congenital absence of the kidney] Musierowicz A. **Wiad Lek** 1980 Dec 1;33(23):1899–901 (Eng. Abstr.) (Pol)
[Renovascular hypertension developing after a combined gunshot wound of the main renal vessels] Nguyen HZ. **Khirurgiia (Mosk)** 1980 Oct;(10):109–10 (Rus)
[Traumatic occlusion of the renal artery] Zingerman LS, et al. **Khirurgiia (Mosk)** 1980 Aug;(8):30–5 (Eng. Abstr.) (Rus)

METABOLISM

Comparison of degree of dependence of canine renal arteries and veins on high and low affinity calcium for responses to norepinephrine and potassium. Hester RK, et al. **J Pharmacol Exp Ther** 1981 Feb;216(2):239–46

PATHOLOGY

Medial thickness of intrarenal arteries in congenital heart disease. Yamaki S, et al. **Arch Pathol Lab Med** 1980 Sep; 104(9):483–6
Morphology of intrarenal arteries in transplants and in diseased kidneys of patients treated by long-term dialysis. Miechowiecka N. **Int Urol Nephrol** 1980;12(1):73–81
[Pathomorphology of renal arteries] Miechowiecka N. **Pol Tyg Lek** 1981 Feb 23;36(8):305–9 (30 ref.) (Pol)

PHYSIOLOGY

Renin uptake by the right kidney in the rat following partial clamping of the left renal artery. Meignan M, et al. **Eur J Clin Invest** 1980 Oct;10(5):407–11
Potassium-induced automaticity of isolated human renal artery. Ueda S, et al. **Jpn J Pharmacol** 1981 Feb;31(1):134–6

PHYSIOPATHOLOGY

Pathophysiologic responses of spontaneously hypertensive rats to arterial magnesium--aluminum wire implants. Wexler BC. **Atherosclerosis** 1980 Aug;36(4):575–87

RADIATION EFFECTS

Postradiation renovascular hypertension. McGill CW, et al. **J Pediatr Surg** 1979 Dec;14(6):831–3

RADIOGRAPHY

Proteinuria following nephroangiography. V. Influence of calcium and magnesium ions in non-ionic contrast media. Holtås S, et al. **Acta Radiol [Diagn] (Stockh)** 1980; 21(3):397–400
Proteinuria following nephroangiography. VI. Comparison between metrizoate and metrizamide in man. Holtås S, et al. **Acta Radiol [Diagn] (Stockh)** 1980;21(4):491–4
Proteinuria after selective nephroangiography in man. Comparison of three contrast media. Kråkenes J, et al. **Acta Radiol [Diagn] (Stockh)** 1980;21(3):401–6
Renal artery blood flow assessed by video dilution technique before and after percutaneous transluminal angioplasty. Lantz BM, et al. **Acta Radiol [Diagn] (Stockh)** 1981; 22(1):49–57
The safety of tolazoline in renal angiography. Dahlin PA, et al. **AJR** 1981 Aug;137(2):381–6
Value of combined intravenous renal arteriography and pyelography in the diagnosis of renovascular hypertension. Fournier A, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:423s–425s
Visualization of the renal arteries during excretory urography. Ingrisch H, et al. **Clin Sci [Suppl]** 1980 Dec; 59 Suppl 6:419s–422s
Renal carcinoma--unusual presentation and angiographic findings. Shenoy SS, et al. **J Surg Oncol** 1980;14(4):301–5
Intrarenal arteriovenous malformation. Takaha M, et al. **J Urol** 1980 Sep;124(3):315–8
Digital subtraction angiography of the abdominal aorta and renal arteries. Comparison with conventional aortography. Buonocore E, et al. **Radiology** 1981 May;139(2):281–6
Mycotic aneurysm of the renal artery. DuBrow RA, et al. **Radiology** 1981 Mar;138(3):577–82
Renal and hepatic microaneurysms: report of a new entity simulating polyarteritis nodosa. Easterbrook JS. **Radiology** 1980 Dec;137(3):629–30
The multiple faces of fibromuscular dysplasia of the renal arteries. Castaneda-Zuniga WR, et al. **ROEFO** 1980 Apr; 132(4):411–6
Renal imaging: comparison of technetium Tc 99m glucoheptonate with conventional arteriography. Klein FA, et al. **South Med J** 1981 Feb;74(2):187–90
Renal vascular changes as reflected by angiography. Ekelund L. **Urol Radiol** 1979;1(2):81–7
An unusual vascular impression on the renal pelvis. Lefleur RS, et al. **Urol Radiol** 1979;1(2):117–8
[On the importance of angiography in the kidney injuries (author's transl)] Drechslerová J, et al. **Cesk Radiol** 1981 May;35(3):166–71 (Eng. Abstr.) (Cze)
[Combined intravenous arteriography and pyelography in hypertension. I. -- Technical and diagnostical aspects on the bases of 475 cases (author's transl)] Cecile JP, et al. **Ann Med Interne (Paris)** 1980;131(5):266–71 (Eng. Abstr.) (Fre)
[Combined intravenous arteriography and pyelography in renovascular hypertension. II. Comparison of its cost-effectiveness ratio with that of the classical approach (i.-v. pyelography +/- Seldinger arteriography) (author's transl)] Fournier A, et al. **Ann Med Interne (Paris)** 1980; 131(5):272–7 (Eng. Abstr.) (Fre)
[Is it still necessary to detect, and when the how, renovascular hypertension in 1980? Or, the indications for arterial time in intravenous urography] Fournier A. **Ann Med Interne (Paris)** 1980;131(5):261–5 (Fre)
['Arterial time' in intravenous urography: a critical study (author's transl)] Dana A, et al. **J Radiol** 1981 Apr; 62(4):227–33 (Eng. Abstr.) (Fre)
[Intrarenal space occupying lesion?] Nöldge G. **Radiologe** 1981 Apr;21(4):203–4 (Ger)
[Malignant kidney tumor with distinct AV-shunt] Gauss G, et al. **ROEFO** 1981 Jun;134(6):700–1 (Ger)
[The technique for demonstrating the renal arteries during an excretion urogram. Bolus technique--timing--simultaneous tomography (author's transl)] Ingrisch H, et al. **ROEFO** 1980 Apr;132(4):422–7 (Eng. Abstr.) (Ger)
[Spontaneous resolution of an embolus in a renal interlobar artery] Kösters S, et al. **ROEFO** 1981 Jan;134(1):91–2 (Ger)
[Metrizamide in experimental selective renal angiography (author's transl)] Pokorny L, et al. **ROEFO** 1981 May; 134(5):571–4 (Eng. Abstr.) (Ger)
[Diagnosis of space-occupying processes of the kidney by sequence scintigraphy and renovasography.] Freitag J, et al. **Z Urol Nephrol** 1981 Jan;74(1):1–11 (Eng. Abstr.) (Ger)
[Multiple renal arteries and arterial hypertension: a review of 337 renal arteriography cases] Bonfanti F, et al. **Minerva Cardioangiol** 1980 May;28(5):289–04 (Eng. Abstr.) (Ita)
[Angiography in the diagnosis of kidney neoplasms] Malinverni AF, et al. **Minerva Med** 1981 Jul 31; 72(29):1899–914 (Eng. Abstr.) (Ita)
[Role of angiography in studying posttraumatic abdominal masses in pediatric patients] Roversi R, et al. **Radiol Med (Torino)** 1979 Dec;65(12):879–84 (Eng. Abstr.) (Ita)
[Periarteritis nodosa diagnosed with nephrogram--a case report] Ishihara K, et al. **Nippon Rinsho** 1981 Feb; 39(2):463–8 (Jpn)
[The diagnostics of arterial-renal hypertension and renal hypertension with special reference to radiologic methods (author's transl)] Szmigielski W. **Przegl Lek** 1980; 37(9):667–70 (43 ref.) (Pol)
[Angiographic diagnosis of kidney injury] Zingerman LS, et al. **Urol Nefrol (Mosk)** 1981;(3):23–5 (Eng. Abstr.) (Rus)

RADIONUCLIDE IMAGING

Detection of a traumatic renal arterial venous fistula by radionuclide angiography (RNA). Sequeira JC, et al. **J Trauma** 1981 Jun;21(6):491–2

SURGERY

Percutaneous transluminal renal angioplasty in the treatment of unilateral atherosclerotic renovascular hypertension. Madias NE, et al. **Am J Med** 1981 May;70(5):1078–84
Delayed and extra-anatomic renal artery revascularization. Brown JJ, et al. **Am Surg** 1980 Sep;46(9):496–503
Endarterectomy of the upper abdominal aorta and visceral arteries through an extraperitoneal approach. Ricotta JJ, et al. **Ann Surg** 1980 Nov;192(5):633–8
Simultaneous aortic and renal artery reconstruction. Shahian DM, et al. **Arch Surg** 1980 Dec;115(12):1491–7
Renovascular surgery. Snell ME. **Br J Hosp Med** 1980 Aug; 24(2):130, 132–3, 135–6
Renal revascularization as treatment for malignant hypertension. Laroche GP, et al. **Can J Surg** 1980 Jul; 23(4):329–42
Arterial hypertension treated by angioplasty (Dotter). A serious complication. Schuur KH, et al. **Diagn Imaging** 1981;50(1):47–51
Infrarenal cavectomy and microsurgical reconstruction of an

accidentally sectioned aberrant renal vessel in a patient with renal cell carcinoma. Giuliani L, et al. **Eur Urol** 1981; 7(2):108–11

Natural course of intimal lesions in the renal artery. An experimental study in the pig. Stridbeck H, et al. **Eur Urol** 1981;7(4):227–30

Results following surgical correction of renovascular hypertension. Thevenet A, et al. **J Cardiovasc Surg (Torino)** 1980 Sep–Oct;21(5):517–28

Renal artery reconstruction. Ray FS, et al. **J Maine Med Assoc** 1980 Nov;71(11):343–5

Long-term results with autogenous microvascular grafts in various experimental models in rats. Carmignani G, et al. **J Microsurg** 1981 Mar;2(3):189–94

Ultrasonic velocimetry in resection of renal arteriovenous fistulas and other intrarenal surgical procedures. Boyce WH. **J Urol** 1981 May;125(5):610–3

Renal artery revascularization. Restoration of renal function. Libertino JA, et al. **JAMA** 1980 Sep 19;244(12):1340–2

Spontaneous rupture of the kidney following renal artery revascularization. Wick MR, et al. **Minn Med** 1981 Mar; 64(3):153–4

Long-term study of the microvascular sleeve anastomosis: an experimental study in the rabbit renal artery. Lauritzen C, et al. **Scand J Plast Reconstr Surg** 1980;14(2):165–9

Recovery of renal function after renovascular surgery. Mackay A. **Scott Med J** 1981 Jan;26(1):27–31

Use of inferior epigastric artery for extracorporeal microvascular branch renal artery reconstruction. Novick AC. **Surgery** 1981 Apr;89(4):513–7

The extended retroperitoneal approach for treatment of extensive atherosclerosis of the aorta and renal vessels. Williams GM, et al. **Surgery** 1980 Dec;88(6):846–55

Thoracoabdominal and abdominal aortic aneurysms involving celiac, superior mesenteric, and renal arteries. Crawford ES, et al. **World J Surg** 1980 Nov;4(6):643–51

[Artificial renal infarction in treatment of renal tumor (author's transl)] Zhao WP. **Chung Hua Wai Ko Tsa Chih** 1980 Dec;18(6):496–7 **(Chi)**

[Reno-vascular arterial hypertension successfully treated by means of percutaneous transluminal angioplasty (letter)] Salvador M, et al. **Nouv Presse Med** 1980 Oct 4;9(36):2657 **(Fre)**

[Treatment of dissecting aneurysms of renal artery. Report of four cases (author's transl)] Abet D, et al. **Sem Hop Paris** 1980 Nov 18–25;56(43–44):1796–800 (Eng. Abstr.) **(Fre)**

[Surgical treatment of renovascular hypertension: results of operation in 400 patients with renal artery stenosis (author's transl)] Polterauer P, et al. **Wien Klin Wochenschr** 1980 Jun;92(12):433–9 (Eng. Abstr.) **(Ger)**

[Arterial revascularization of the liver after portacaval shunt in the rabbit] Merigliano S, et al. **Minerva Chir** 1980 Aug 15–31;35(15–16):1091–6 (Eng. Abstr.) **(Ita)**

[Extracorporeal renal artery repair in a case of renovascular hypertension] Kulesza A, et al. **Pol Przegl Chir** 1980 May; 52(5):421–4 (Eng. Abstr.) **(Pol)**

[Arterial anastomoses in kidney transplantation] Rozental' RL, et al. **Vestn Khir** 1981 Jun;126(6):73–6 **(Rus)**

[Clinico-electroencephalographic index dynamics as affected by electrosleep in renovascular hypertension after renal artery surgery] Kniazeva TA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Jan–Feb;(1):34–8 (Eng. Abstr.) **(Rus)**

[Ileus as a complication of surgery of the aorta and blood vessels of the pelvis] Tonković I, et al. **Acta Chir Iugosl** 1980;27 Suppl 1:365–8 **(Scr)**

RENAL ARTERY OBSTRUCTION

Renal artery stenosis in children. Reintgen D, et al. **J Pediatr Surg** 1981 Feb;16(1):26–31 (31 ref.)

BLOOD

Renal artery stenosis with normal angiotensin II values. Relationship between angiotensin II and body sodium and potassium on correction of hypertension by captopril and subsequent surgery. Atkinson AB, et al. **Hypertension** 1981 Jan–Feb;3(1):53–8

Prostaglandin levels and renin activity in renal venous blood of patients with renal hypertension. Ignatowska-Switalska H, et al. **Prostaglandins Med** 1981 Jan;6(1):65–74

COMPLICATIONS

Proteinuria and nephrotic syndrome induced by renin in patients with renal artery stenosis. Kumar A, et al. **Arch Intern Med** 1980 Dec;140(12):1631–4

Moya-moya disease associated with renal artery stenosis. Ellison PH, et al. **Arch Neurol** 1981 Jul;38(7):467

Pediatric renal artery occlusive disease and renovascular hypertension. Etiology, diagnosis, and operative treatment. Stanley JC, et al. **Arch Surg** 1981 May;116(5):669–76

Traumatic renal artery occlusion producing hypertension. Ernst D, et al. **Br J Surg** 1981 Jan;68(1):19–20

Corticosterone-secreting tumours: with and without renal artery stenosis. Mills IH, et al. **Clin Endocrinol (Oxf)** 1980 Oct;13(4):355–60

Coexistence of pheochromocytoma and renal artery occlusion in a patient with malignant hypertension. Stern Z, et al. **Isr J Med Sci** 1981 May;17(5):372–4

End-to-end transureteroureterostomy: a report of 2 cases. Fowler JE Jr, et al. **J Urol** 1981 Apr;125(4):579–80

Renovascular hypertension from segmental renal artery stenosis: importance of segmental renal vein renin sampling. Lee SM, et al. **J Urol** 1980 Nov;124(5):704–6

The 'nutcracker' phenomenon: an unusual cause for renal varicosities with hematuria. Wendel RG, et al. **J Urol** 1980 May;123(5):761–3

The use of the Simmons 'Sidewinder' catheter in percutaneous transluminal angioplasty of the renal arteries. Grable GS, et al. **Radiology** 1980 Nov;137(2):541–3

Renal fibromuscular hyperplasia associated with subarachnoid hemorrhage from a berry aneurysm: a case report. Jenkins AM, et al. **Surgery** 1980 Nov;88(5):728–31

The influence of angiotensin II antagonist postischemic acute renal failure. Huland H, et al. **Urol Int** 1981;36(1):15–22

[Arterial hypertension due to renal artery stenosis. Study of 20 cases] Berbich A, et al. **Maroc Med** 1980 Mar;2(1):55–65 (Eng. Abstr.) **(Fre)**

[Renal artery stenosis: considerations apropos of a case report] Chapoy P, et al. **Pediatrie** 1980 Mar;35(2):153–9 (Eng. Abstr.) **(Fre)**

[Coarctation of the abdominal aorta and fibromuscular renal arteries stenosis] Brecht G, et al. **ROEFO** 1980 Oct; 133(4):435–7 **(Ger)**

[Parameters for the etiopathogenetic differentiation of post-transplantation hypertension] Arlart I. **Vasa** 1980; 9(3):250–6 (Eng. Abstr.) **(Ger)**

[Renal artery stenosis and hypertension] Linss G, et al. **Z Gesamte Inn Med** 1980 Oct 1;35(19):suppl 111–2 **(Ger)**

DIAGNOSIS

Ultrasonic demonstration of renal artery thrombosis. Barber-Riley P, et al. **Br J Radiol** 1981 Apr;54(640):351–2

Flank pain and microhematuria in a young woman. Kettwich DL, et al. **J Urol** 1980 May;123(5):756–60

[Arterial stenosis in an allotransplanted kidney. Clinical signs as an indication for angiography] Stříbrná J, et al. **Vnitr Lek** 1981 Jun;27(6):564–9 (Eng. Abstr.) **(Cze)**

DRUG THERAPY

Renal artery embolism: therapy with intra-arterial streptokinase infusion. Fischer CP, et al. **J Urol** 1981 Mar; 125(3):402–4

[Arterial stenosis in the allotransplanted kidney. Results of surgery and drug therapy] Zabka J, et al. **Rozhl Chir** 1981 May;60(5):319–23 (Eng. Abstr.) **(Cze)**

ETIOLOGY

Reversible stenosis of the renal artery in cadaver kidney grafts: a report of three cases. Steensma-Vegter AJ, et al. **Clin Nephrol** 1981 Feb;15(2):102–6

Renal artery stenosis of the transplanted kidney. Diagnosis and therapy of the hypertension. Stříbrná J, et al. **Czech Med** 1981;4(1–2):55–66

Compressed air emboli of the aorta and renal artery in blast injury. Freund U, et al. **Injury** 1980 Jul;12(1):37–8

Pheochromocytoma and renal artery stenosis. Bongera F, et al. **J Cardiovasc Surg (Torino)** 1980 Nov–Dec;21(6):717–8

Arterial injury during perfusion preservation: a possible cause of posttransplantation renal artery stenosis. Oakes DD, et al. **Surgery** 1981 Feb;89(2):210–5

[Moya-Moya syndrome and renal artery stenosis (author's transl)] Godin M, et al. **Sem Hop Paris** 1980 Sept 8–15; 56(29–32):1257–61 (Eng. Abstr.) **(Fre)**

[Localisation of an extra-adrenal phaeochromocytoma with stenosis of the renal artery (author's transl)] Schindera F, et al. **Klin Paediatr** 1980 Nov;192(6):523–5 (Eng. Abstr.) **(Ger)**

[Bilateral traumatic renal artery occlusion] Takács P, et al. **Morphol Igazsagugyi Orv Sz** 1980 Jul;20(3):230–2 **(Hun)**

PATHOLOGY

[Thoughts on a case of Alfidi's syndrome] Marini F. **Chir Ital** 1980 Oct;32(5):1159–71 **(Ita)**

PHYSIOPATHOLOGY

Renal artery blood flow assessed by video dilution technique before and after percutaneous transluminal angioplasty. Lantz BM, et al. **Acta Radiol [Diagn] (Stockh)** 1981; 22(1):49–57

Pressor responses to vasopressin in rabbits with 3-day renal artery stenosis. Johnson JA, et al. **Am J Physiol** 1981 Jun; 240(6):H862–7

Cardiovascular changes within 24 h after renal artery stenosis in rabbits. Siripaisarnpipat S, et al. **Am J Physiol** 1981 Jan; 240(1):H2–8

Comparison of initial response to renal artery stenosis in pentobarbitone--anaethetized and conscious dogs. Anderson WP. **Clin Exp Pharmacol Physiol** 1980 Sep–Oct; 7(5):515–20

Acute angiotensin II-mediated restoration of distal renal artery pressure in renal artery stenosis and its relationship to the development of sustained one-kidney hypertension in conscious dogs. Anderson WP, et al. **Hypertension** 1979 May–Jun;1(3):292–8

Nephron heterogeneity in polyuric acute renal failure. Finn WF. **J Lab Clin Med** 1981 Jul;98(1):21–9

The importance of renal vascular tone in determining the severity of renal artery stenosis in dogs. Anderson WP, et al. **J Physiol (Lond)** 1980 Aug;305:31–41

[Syndrome of malignant arterial hypertension in unilateral kidney diseases] Arabidze GG, et al. **Ter Arkh** 1980; 52(10):114–6 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

A 40 degree craniocaudad AP projection for superimposed renal artery branches. McCook TA, et al. **AJR** 1980 Dec; 135(6):1300–1

Pedicle injury masquerading as renal contusion: a possible urographic pitfall. Rogers CI, et al. **Cardiovasc Intervent Radiol** 1980 Jul;3(3):184–6

Does inhibition of prostaglandin synthesis increase the diagnostic accuracy of the intravenous urogram in renal artery stenosis? Carr D, et al. **Clin Radiol** 1981 Jul; 32(4):425–7

Visualization of the renal arteries during excretory urography. Ingrisch H, et al. **Clin Sci [Suppl]** 1980 Dec; 59 Suppl 6:419s–422s

Renal perfusion-excretion determination as 'split-function study' in diagnosis of segmental renal artery stenosis in a child. Cumes DM, et al. **Urology** 1980 Oct;16(4):346–9

[Stenosis of the renal artery. Apropos of 10 cases] Khadri C, et al. **Tunis Med** 1979 Jul–Oct;57(4–5):282–5 (Eng. Abstr.) **(Fre)**

[Excretion urogram with angiotomography sensitivity and specificity in the diagnosis of renal artery stenosis; a comparison with differences in renal size and contrast density on early films (author's transl)] Ingrisch H, et al. **ROEFO** 1981 Apr;134(4):436–41 (Eng. Abstr.) **(Ger)**

[The collateral circulation of the kidneys as a manifestation of a serious obstruction of the renal artery in patients with renovascular hypertension (author's transl)] Grekov P, et al. **Cesk Radiol** 1981 May;35(3):172–81 (Eng. Abstr.) **(Slo)**

[Cardiopathy and renal artery embolism] Ruiz Marcellán FJ, et al. **Actas Urol Esp** 1980 May–Jun;4(3):127–32 (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

[Determination of relative kidney perfusion as compared with sequence scintigraphy] Strangfeld D, et al. **Radiobiol Radiother (Berl)** 1981;22(2):247–8 **(Ger)**

[Animal studies of quantitative renal occlusion scintigraphy (author's transl)] Breuel HP, et al. **ROEFO** 1981 Apr; 134(4):441–5 (Eng. Abstr.) **(Ger)**

SURGERY

Aortoduodenal fistula after surgery for renal artery stenosis. Takolander RJ, et al. **Acta Chir Scand [Suppl]** 1980; 502:137–40

Developmental occlusive disease of the abdominal aorta and the splanchnic and renal arteries. Stanley JC, et al. **Am J Surg** 1981 Aug;142(2):190–6

Surgical correction of posttransplant renovascular hypertension. Dickerman RM, et al. **Ann Surg** 1980 Nov; 192(5):639–44

Predictability of surgical cure of renovascular hypertension. Rosenthal JT, et al. **Ann Surg** 1981 Apr;193(4):448–52

Arterial reconstructive surgery for renovascular hypertension. Lagneau P, et al. **Arch Surg** 1981 Aug; 116(8):999–1002

Renovascular surgery. Snell ME. **Br J Hosp Med** 1980 Aug; 24(2):130, 132–3, 135–6

Reconstructive surgery versus nephrectomy in renal artery stenosis: comparison of effects on total and divided renal function and on blood pressure. Mackay A, et al. **Br Med J** 1980 Nov 15;281(6251):1313–5

Percutaneous transluminal dilatation for post-transplantation renal artery stenosis [editorial] Meakins JL. **Can Med Assoc J** 1980 Oct 18;123(8):711–12

Hypertensive crisis managed by bilateral renal artery reconstruction. Rosenthal D, et al. **J Cardiovasc Surg (Torino)** 1981 Jan–Feb;22(1):84–7

Successful renal revascularization of unilateral traumatic renal artery thrombosis. Bartsch G, et al. **J Urol** 1980 Jul; 124(1):115–8

Management of intrarenal branch arterial lesions with extracorporeal microvascular reconstruction and autotransplantation. Novick AC. **J Urol** 1981 Aug; 126(2):150–4

Diminished operative morbidity and mortality in renal revascularization. Novick AC, et al. **JAMA** 1981 Aug 14; 246(7):749–53

Percutaneous transluminal angioplasty of homograft renal artery stenosis in a 10-year-old girl. Barth KH, et al. **Pediatrics** 1981 May;67(5):675–7

The use of the Simmons 'Sidewinder' catheter in percutaneous transluminal angioplasty of the renal arteries. Grable GS, et al. **Radiology** 1980 Nov;137(2):541–3

Recovery of renal function after renovascular surgery. Mackay A. **Scott Med J** 1981 Jan;26(1):27–31

Long-term results of treatment of the totally occluded renal artery in forty patients with renovascular hypertension. Lawrie GM, et al. **Surgery** 1980 Dec;88(6):753–9

Chronic total renal artery occlusion: effects of treatment on secondary hypertension and renal function. Whitehouse WM Jr, et al. **Surgery** 1981 Jun;89(6):753–63

[Treatment of renal artery stenosis by percutaneous translumina! angioplasty (PTA) (author's transl)] Joffre F,

et al. **J Radiol** 1980 Dec;61(12):785–9 (Eng. Abstr.) **(Fre)**

[New aspects in the treatment of renal artery stenosis] Krneta A, et al. **Helv Chir Acta** 1980 Jun;47(1–2):223–5 (Eng. Abstr.) **(Ger)**

[Percutaneous transluminar catheter angioplasty for nephroarterial stenoses (author's transl)] Müller JH, et al. **Radiol Diagn (Berl)** 1981;22(2):155–62 **(Ger)**

[Surgical methods in bilateral lesions of the renal arteries] Chernyshev VN. **Khirurgiia (Mosk)** 1980 Aug;(8):35–40 (Eng. Abstr.) **(Rus)**

[Reconstructive surgery of arterial stenosis in a transplanted kidney] Belorusov OS, et al. **Vestn Khir** 1980 Jul; 125(7):25–30 (Eng. Abstr.) **(Rus)**

THERAPY

Embolization of an occluded segmental renal artery via collateral circulation in a child. LiPuma JP, et al. **AJR** 1981 Mar;136(3):603–4

Transluminal angioplasty of renal artery stenosis: 70 experiences. Schwarten DE. **AJR** 1980 Nov;135(5):969–74

Spontaneous reversal of renal failure by renal artery recanalization. Manly RJ, et al. **Arch Surg** 1981 Jan; 116(1):107–9

Transluminal dilatation of transplant renal artery stenosis. Quin RO, et al. **Br Med J** 1980 Jul 19;281(6234):196–7

Percutaneous transluminal angioplasty in a renal transplant recipient for stenosis of the grafted renal artery. Harries-Jones EP, et al. **Can Med Assoc J** 1980 Oct 18; 123(8):761–5

Percutaneous transluminal angioplasty of the renal artery: a surgeon's view. Brewster DC.
Cardiovasc Intervent Radiol 1980 Nov;3(4):204–5

Percutaneous transluminal angioplasty of the renal artery. Schwarten DE. **Cardiovasc Intervent Radiol** 1980 Nov; 3(4):197–204

Percutaneous transluminal angioplasty of the renal artery: a hypertensionologist's view. Slater EE.
Cardiovasc Intervent Radiol 1980 Nov;3(4):205–6

Percutaneous transluminal renal artery angioplasty in a 3 1/2-year-old hypertensive girl. McCook TA, et al.
J Pediatr 1980 Dec;97(6):958–60

Therapeutic renal artery occlusion with a detachable balloon. Grinnell VS, et al. **J Urol** 1981 Aug;126(2):233–7

Percutaneous transluminal angioplasty. Nonsurgical therapy of occlusive arterial disease. Rich S. **Postgrad Med** 1980 Sep;68(3):217–24

Percutaneous transluminal renal artery angioplasty in hypertension associated with neurofibromatosis. Baxi R, et al. **Radiology** 1981 Jun;139(3):583–4

Percutaneous transluminal angioplasty in patients with renal artery stenosis: follow-up studies. Tegtmeyer CJ, et al. **Radiology** 1981 Aug;140(2):323–30

Percutaneous transluminal dilation in renal transplant arterial stenosis. Sniderman KW, et al. **Transplantation** 1980 Dec; 30(6):440–4

Transluminal renal artery dilatation in hypertension: technique, results, and complications in 60 cases. Puijlaert CB, et al. **Urol Radiol** 1981;2(3):201–10

Percutaneous transluminal renal angioplasty. Schwarten DE. **Urol Radiol** 1981;2(3):193–200

[Dilatation of renal artery stenosis using a balloon catheter in patients with hypertension] Puijlaert CB, et al.
Ned Tijdschr Geneeskd 1980 Aug 9;124(32):1323–35 (Eng. Abstr.) **(Dut)**

[Transluminal angioplasty of the renal artery for renovascular hypertension (author's transl)] Nadalini V, et al.
J Urol (Paris) 1980;86(7):559–62 (Eng. Abstr.) **(Fre)**

[Percutaneous transluminal dilatation of arterial stenosis in a transplanted kidney (letter)] Teyssou H, et al.
Nouv Presse Med 1981 Jun 6;10(25):2116 **(Fre)**

[Transluminal dilatation of renal artery stenoses for treatment of renovascular hypertension (author's transl)] Bussmann WD, et al. **Dtsch Med Wochenschr** 1981 Mar 20; 106(12):358–62 (Eng. Abstr.) **(Ger)**

RENAL ARTERY STENOSIS see under **RENAL ARTERY OBSTRUCTION**

RENAL CORTICAL NECROSIS see **KIDNEY CORTEX NECROSIS**

RENAL DIALYSIS, HOME see **HEMODIALYSIS, HOME**

RENAL FAILURE, ACUTE see **KIDNEY FAILURE, ACUTE**

RENAL FAILURE, CHRONIC see **KIDNEY FAILURE, CHRONIC**

RENAL OSTEODYSTROPHY

BLOOD

Vitamin D metabolites and their relationship to azotaemic osteodystrophy. Mason RS, et al. **Clin Endocrinol (Oxf)** 1980 Oct;13(4):375–85

Prediction of radiographic severity of renal osteodystrophy by serum values. Guerra LE, et al. **Int Urol Nephrol** 1980; 12(1):65–72

[Disturbances of the calcium-phosphorus metabolism and skeletal diseases following kidney transplantation] Flury W, et al. **Schweiz Med Wochenschr** 1981 Jan 3;111(1):21–8 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Aluminum toxicity in relation to kidney disorders. King SW, et al. **Ann Clin Lab Sci** 1981 Jul-Aug;11(4):337–42 (41 ref.)

The clinical biochemistry of aluminum. King SW, et al.
CRC Crit Rev Clin Lab Sci 1981;14(1):1–20 (78 ref.)

COMPLICATIONS

Epiphyseal sclerosis in renal osteodystrophy simulating osteonecrosis. Garver P, et al. **AJR** 1981 Jun; 136(6):1239–41

Unusual complication of soft tissue calcifications in chronic renal disease: the articular erosions. Meneghello A, et al. **Skeletal Radiol** 1980;5(4):251–2

Epiphysiolysis in rickets. Martin W 3d, et al. **Va Med** 1980 Aug;107(8):566–7

DIAGNOSIS

Renal osteodystrophy in uraemic children. Mehls O, et al. **Clin Endocrinol Metab** 1980 Mar;9(1):151–76 (118 ref.)

[Proline-iminopeptidase of the blood (PIP): and interesting alternative to urinary hydroxyproline] D'Amore M, et al. **Clin Ter** 1980 Sep 30;94(6):635–9 (Eng. Abstr.) **(Ita)**

[The significance of serum proline iminopeptidase in the early diagnosis of renal osteodystrophy] D'Amore M, et al.
Minerva Nefrol 1980 Apr-Jun;27(2):263–6 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Calcifediol (25-hydroxyvitamin D3) in the treatment of uremic bone disease. Teitelbaum SL. **Ann Intern Med** 1981 Mar;94(3):404–5

Growth, renal osteodystrophy and vitamin D therapy in children with chronic renal failure. Hodson E.
Aust NZ J Med 1981;11(Suppl 1):38–9

Treatment of renal osteodystrophy with 1,25-dihydroxycholecalciferol. Velentzas C, et al.
Can Med Assoc J 1981 Mar 1;124(5):577–83

Long-term therapy of uremic osteodystrophy in adults with calcitriol. Moorthy AV, et al. **Clin Nephrol** 1981 Aug; 16(2):93–100

Calciferol induced hypercalcemia in renal osteodystrophy. Meme JS, et al. **East Afr Med J** 1980 Oct;57(10):712–5

1,25-dihydroxycholesterol treatment of long-term haemodialysed patients with renal osteodystrophy. Váry L. **Int Urol Nephrol** 1980;12(3):241–7

Current status of the use of 1,25(OH)2D3 in the management of renal osteodystrophy. Massry SG, et al. **Kidney Int** 1980 Oct;18(4):409–18 (78 ref.)

Calcitonin therapy in dialysis patients [letter] Kitoh C.
Nephron 1980;26(4):206

Questions on the use of vitamin D3 [letter] Balsan S, et al.
Pediatrics 1980 Sep;66(3):483–4

Renal hypophosphatemic rickets: growth acceleration after long-term treatment with 1,25-dihydroxyvitamin-D3. Chan JC, et al. **Pediatrics** 1980 Sep;66(3):445–54

Comparison of 1,25(OH)2D3 and 24,25(OH)2D3 in the long-term treatment of renal osteodystrophy. Muirhead N, et al. **Proc Eur Dial Transplant Assoc** 1980;17:543–7

[Renal osteodystrophy: the importance of 1-alpha-OH-D3] Berland Y, et al. **Sem Hop Paris** 1981 Mar 8–15; 57(9–10):445–9 **(Fre)**

[Therapy of uremic osteopathy] Schaefer K.
Dtsch Med Wochenschr 1980 Nov 28;105(48):1670–1 **(Ger)**

[Effects of treatment with 1--alpha-hydroxyvitamin D3 in osteodystrophy in uremic patients undergoing periodical hemodialysis] Albertazzi A, et al. **Minerva Nefrol** 1980 Oct-Dec;27(4):631–3 (Eng. Abstr.) **(Ita)**

[Treatment with 1-alpha hydroxy vitamin D3 of bone disease in hemodialysis. Therapeutic results and complications] García de Vinuesa S, et al. **Rev Clin Esp** 1980 Dec 15; 159(5):317–22 **(Spa)**

ENZYMOLOGY

Alkaline phosphatase bone isoenzyme activity in serum in various degrees of micromorphometrically assessed renal osteopathy. Siede WH, et al. **Clin Nephrol** 1980 Jun; 13(6):277–81

ETIOLOGY

[Calcinosis in the renal transplant patient] Girard RM, et al. **Union Med Can** 1981 May;110(5):443–51 (Eng. Abstr.) **(Fre)**

[Long-term dialysis and its problems: calcium and phosphorus metabolism disorders, aluminum balance, and esteodystrophy] Kurokawa K. **Nippon Rinsho** 1980 Jun; 38(6):2329–36 (36 ref.) **(Jpn)**

[Case of renal rickets in tubular acidosis] Popko J, et al.
Wiad Lek 1980 Oct 1;33(19):1591–4 (Eng. Abstr.) **(Pol)**

[Role of renal acidosis in the pathogenesis of osteodystrophy] Mănescu N, et al. **Rev Med Interna [Med Interna]** 1980 Sep-Oct;32(5):385–91 (00 ref.) **(Rum)**

[Bone disease in maintenance hemodialysis. Clinical, biochemical and radiological correlates] Luño J, et al.
Rev Clin Esp 1981 Jan 31;160(2):91–6 (Eng. Abstr.) **(Spa)**

METABOLISM

The biochemical basis of renal osteodystrophy and post-menopausal osteoporosis: a view from the vitamin D system. DeLuca HF. **Curr Med Res Opin** 1981;7(5):279–93 (69 ref.)

The evolution of renal osteodystrophy in patients undergoing continuous ambulatory peritoneal dialysis (CAPD). Calderaro V, et al. **Proc Eur Dial Transplant Assoc** 1980; 17:533–42

[Hormonal changes in and therapy of renal osteodystrophy] Löcsey L, et al. **Orv Hetil** 1980 Aug 31;121(35):2121–7 **(Hun)**

PATHOLOGY

Renal osteodystrophy. Effect of hemodialysis and 1 alpha-hydroxy vitamin D3 on bone lesions and metacarpal bone mass. Andresen J, et al.
Acta Radiol [Diagn] (Stockh) 1980;21(4):541–4

PHYSIOPATHOLOGY

The shrinking man [letter] Lindsey ES. **JAMA** 1981 Jan 9; 245(2):129

Aminoterminal parathyroid hormone radioimmunoassay to evaluate bone status in renal failure [letter] Vigo PL, et al. **Lancet** 1981 Feb 21;1(8217):443–4

24,25 dihydroxycalciferol: assay in non-anephric patients on chronic haemodialysis and assessment of its possible pathophysiological role in renal osteodystrophy. Lambrey G, et al. **Proc Eur Dial Transplant Assoc** 1980;17:548–56

PREVENTION & CONTROL

[Diet in the prevention of uremic osteodystrophy] Maschio G, et al. **G Clin Med** 1980 May;61(5):358–64 (Eng. Abstr.) **(Ita)**

[Effect of dihydrotachysterol on bone tissue in rats with experimental kidney failure] Iagodovskiĭ VS, et al.
Biull Eksp Biol Med 1980 Nov;90(11):611–3 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Renal osteodystrophy in non-dialysed patients with chronic renal failure. Andresen J, et al.
Acta Radiol [Diagn] (Stockh) 1980;21(6):803–6

Renal osteodystrophy: magnification radiography of target sites of absorption. Resnick D, et al. **AJR** 1981 Apr; 136(4):711–4

Erosive azotemic osteodystrophy. Sundaram M, et al.
AJR 1981 Feb;136(2):363–7

Dental radiographic manifestations of end-stage renal disease. Spolnik KJ, et al. **Dent Radiogr Photogr** 1981; 54(2):21–31

Rugger Jersey spine. **NY State J Med** 1980 Oct;80(11):1724–5

Pseudohypoparathyroidism presenting as renal osteodystrophy. Hall FM, et al. **Skeletal Radiol** 1981; 6(1):43–6

Ungual tufts in the follow-up of patients on maintenance hemodialysis. Sundaram M, et al. **Skeletal Radiol** 1980; 5(4):247–9

Grand rounds: renal hypophosphatemic rickets. Chan JC, et al. **Va Med** 1981 May;108(5):322–7

[X-ray appearance of renal osteodystrophy: an analysis of 24 cases (author's transl)] Wang GX.
Chung Hua Fang She Hsueh Tsa Chih 1979;13(2):95–8 **(Chi)**

[Radiological investigations of renal osteodystrophy in children on hemodialysis (author's transl)] Bretagne MC, et al. **Ann Radiol (Paris)** 1980 Nov;23(7):579–84 (Eng. Abstr.) **(Fre)**

[The child's skeleton following renal transplant. A correlation of the radiographic findings to the amount of parathormone (author's transl)] Hegenbarth R, et al. **Radiologe** 1980 Aug; 20(8):400–5 (Eng. Abstr.) **(Ger)**

[Radiological manifestations of uremic osteodystrophy] Meneghello A, et al. **G Clin Med** 1980 Feb;61(2):98–118 (73 ref.) (Eng. Abstr.) **(Ita)**

RADIONUCLIDE IMAGING

[Whole-body osseous scintigraphy and Ca++ kinetics in patients with renal transplants] Roncari G, et al.
Minerva Chir 1980 May 31;35(10):785–9 (Eng. Abstr.) **(Ita)**

[Bone scintigraphy with 99Tcm polyphosphate in uremic osteodystrophy] Meneghello A, et al.
Radiol Med (Torino) 1980 Oct;66(10):760–1 **(Ita)**

[Histological and scintigraphic correlations in the diagnosis of uremic osteodystrophy] Neumair F, et al.
Radiol Med (Torino) 1980 Oct;66(10):762–3 **(Ita)**

[Value of bone gammagraphy with Tc99-methyldiphosphonate (gamma G Tc99-MDP) in renal osteodystrophy] Garciá Garciá M, et al.
Rev Clin Esp 1981 Apr 25;161(1):31–5 **(Spa)**

THERAPY

[Therapy of uremic osteodystrophy] Fletti C, et al.
G Clin Med 1981 Apr;62(4):270–9 (Eng. Abstr.) **(Ita)**

VETERINARY

Animal model of human disease. Renal osteodystrophy in dogs with radiation nephropathy. Norrdin RW.

Am J Pathol 1981 Jun;103(3):466–9

RENAL PAPILLITIS, NECROTIZING see **KIDNEY PAPILLARY NECROSIS**

RENAL TUBULAR TRANSPORT, INBORN ERRORS

BLOOD

A new variant of Lowe oculocerebrorenal syndrome. Furuse A, et al. **Tohoku J Exp Med** 1980 Dec;132(4):385–8

COMPLICATIONS

Tumoral calcinosis: evidence for concurrent defects in renal tubular phosphorus transport and in 1 alpha,25-dihydroxycholecalciferol synthesis. Zerwekh JE, et al. **Calcif Tissue Int** 1980;32(1):1–6

Inborn hypouricemia due to isolated defect in renal tubular uric acid transport. Garty BZ, et al. **Isr J Med Sci** 1981 Apr;17(4):295–7

The congenital 'magnesium-losing kidney'. Report of two patients. Evans RA, et al. **Q J Med** 1981;50(197):39–52

[Aminoaciduria and ocular pathology] Ardouin M, et al. **Bull Soc Ophtalmol Fr** 1980 Apr–May;80(4–5):409–12 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Biochemical and clinical renal symptoms in Lowe syndrome] Chatys-Górska L, et al. **Wiad Lek** 1980 Sep 15; 33(18):1477–82 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Familial hypouricaemia associated with renal tubular uricosuria and uric acid calculi: case report. Hedley JM, et al. **J Clin Pathol** 1980 Oct;33(10):971–2

METABOLISM

Pseudohypoaldosteronism. Dillon MJ, et al. **Arch Dis Child** 1980 Jun;55(6):427–34

Lysinuric protein intolerance [letter] Navar F. **Lancet** 1980 Sep 27;2(8196):703

PATHOLOGY

Pathological features of the eye in the oculocerebrorenal (Lowe) syndrome. Ginsberg J, et al. **J Pediatr Ophthalmol Strabismus** 1981 Jul–Aug;18(4):16–24

Lowe's syndrome. Tripathi RC, et al. **Trans Ophthalmol Soc UK** 1980 Apr;100(Pt 1):132–9

PHYSIOPATHOLOGY

The effect of triamterene and sodium intake on renin, aldosterone, and erythrocyte sodium transport in Liddle's syndrome. Wang C, et al. **J Clin Endocrinol Metab** 1981 May;52(5):1027–32

RENAL VEINS

Neoplastic-induced renal vein enlargement: sonographic detection. Thomas JL, et al. **AJR** 1981 Jan;136(1):75–9

The clinical spectrum of renal vein thrombosis: acute and chronic. Llach F, et al. **Am J Med** 1980 Dec;69(6):819–27

Ultrasonographic diagnosis of neonatal renal venous thrombosis. Lam AH, et al. **Ann Radiol (Paris)** 1981 Jan; 24(1):7–12 **(Eng, Fre)**

Congenital hypertension due to unilateral renal vein thrombosis. Evans DJ, et al. **Arch Dis Child** 1981 Apr; 56(4):306–8

Pheochromocytoma with lateralizing renal vein renin activity [letter] Grossman SH, et al. **Arch Intern Med** 1980 Dec; 140(12):1677

The scintigraphic pattern of acute renal vein thrombosis. Mettler FA Jr, et al. **Clin Nucl Med** 1980 Oct;5(10):468–70

Effect of haemorrhage on renin concentration in superficial and deep venous outflows of the cat kidney. Jones SM, et al. **Clin Sci** 1981 Jun;60(6):703–6

Pyelovenous and pyelolymphatic backflow during retrograde pyelography in renal vein thrombosis. Bidgood WD Jr, et al. **Invest Radiol** 1981 Jan–Feb;16(1):13–9

Sonographic manifestations of acute renal vein thrombosis: an experimental study. Hricak H, et al. **Invest Radiol** 1981 Jan–Feb;16(1):30–5

Leiomyoma of the renal vein. Wells FC, et al. **J R Soc Med** 1981 Jul;74(7):542–5

Quantification of arteriovenous shunting in renal cell carcinoma. Barth KH, et al. **J Urol** 1981 Feb;125(2):161–3

Normal left renal vein mimicking left renal artery aneurysm. Kurtz AB, et al. **JCU** 1981 Mar;9(3):105–8

Renal vein thrombosis: occurrence in membranous glomerulonephropathy and lupus nephritis. Bradley WG Jr, et al. **Radiology** 1981 Jun;139(3):571–6

Ultrasonic demonstration of renal vein thrombosis. Braun B, et al. **Radiology** 1981 Jan;138(1):157–8

Renal venous renin sampling. Prospective study of technique and methods. Harrington DP, et al. **Radiology** 1981 Mar; 138(3):571–5

Ultrasound in experimental and clinical renal vein thrombosis. Rosenfield AT, et al. **Radiology** 1980 Dec; 137(3):735–41

The use of an angiotensin II antagonist (saralasin) as an adjunct during renal vein catheterization. Ibsen H, et al. **Scand J Clin Lab Invest** 1980 Apr;40(2):115–20

Transcatheter embolization of traumatic renal arteriovenous fistula. Tisnado J, et al. **Urol Radiol** 1979–80;1(3):175–7

Leiomyosarcoma of renal vein and inferior vena cava. Kaufman JJ, et al. **Urology** 1981 Aug;18(2):173–6

[Infected sub-renal aortic aneurysm with fistula into the left renal vein (author's transl)] Ohanessian JH, et al. **Chirurgie** 1980;106(6):415–8 (Eng. Abstr.) **(Fre)**

[Renocaval thrombosis: étiological, pathogenetic, and therapeutic features (author's transl)] Guidicelli H, et al. **J Mal Vasc** 1980;5(1):63–6 (Eng. Abstr.) **(Fre)**

[Arteriovenous fistula of the renal pedicle after nephrectomy (author's transl)] Langeron P, et al. **J Mal Vasc** 1980; 5(1):55–62 (Eng. Abstr.) **(Fre)**

[Congenital nephrotic syndrome, thrombosis of a renal vein and hydrocephalus. Apropos of a case] Parchoux B, et al. **Pediatrie** 1981 Jan–Feb;36(1):55–9 (Eng. Abstr.) **(Fre)**

[Renal arteriovenous fistulae after nephrectomy: report of a case and review of the published literature (author's transl)] Dupuy JP, et al. **Sem Hop Paris** 1980 May 18–25; 56(19–20):939–45 (Eng. Abstr.) **(Fre)**

[Renal arteriovenous fistula following percutaneous renal biopsy. Report of surgical treatment with preservation of the kidney (author's transl)] Gattegno B, et al. **Sem Hop Paris** 1981 May 18–25;57(19–20):1029–33 (Eng. Abstr.) **(Fre)**

[Renal arteriovenous fistulae (author's transl)] Lacombe M, et al. **Sem Hop Paris** 1981 Jan 18–25;57(3–4):126–32 (50 ref.) (Eng. Abstr.) **(Fre)**

[Renal venous thrombosis in the newborn (author's transl)] Engels M, et al. **Paediatr Paedol** 1980;15(4):365–73 (Eng. Abstr.) **(Ger)**

[Incidence and clinical significance of thromboses and thrombo-embolic complications in nephrotic syndrome patients] Kuhlmann U, et al. **Schweiz Med Wochenschr** 1981 Jul 7;111(27–28):1034–40 (Eng. Abstr.) **(Ger)**

[Methodology of renal vein renin study: comparison between simultaneous and sequential sampling (author's transl)] Glorioso N, et al. **G Ital Cardiol** 1980;10(9):1186–91 (Eng. Abstr.) **(Ita)**

[About our first computer for measurement of unilateral renal vein blood flow and its problems (author's transl)] Akanuma T, et al. **Kokyu To Junkan** 1980 Nov; 28(11):1259–63 (Eng. Abstr.) **(Jpn)**

[CT diagnosis of tumor thrombus of the renal vein and inferior vena cava (author's transl)] Masuda F, et al. **Nippon Hinyokika Gakkai Zasshi** 1980 Jun;71(6):544–51 (Eng. Abstr.) **(Jpn)**

[Good results of conservative treatment of bilateral renal vein thrombosis in chronic glomerulonephritis] Galczak W, et al. **Pediatr Pol** 1980 Jun;55(6):779–82 **(Pol)**

[Renal vein thrombosis in a newborn infant] Płoska-Urbanek B, et al. **Pediatr Pol** 1980 Jun;55(6):783–6 **(Pol)**

[Renal vein thrombosis diagnosed erroneously as kidney neoplasm] Sobański A, et al. **Wiad Lek** 1980 Nov 1; 33(21):1745–9 (Eng. Abstr.) **(Pol)**

[Renal vein thrombosis in the newborn infant] Arion C, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1981 Apr–Jun; 30(2):165–71 (Eng. Abstr.) **(Rum)**

ABNORMALITIES

Segmental renal autotransplantation in a patient with a single kidney affected by arteriovenous malformation and aneurysm. Nadjafi S, et al. **Am J Surg** 1981 May; 141(5):605–9

Retroaortic left renal vein and ultrasound. Bellina PV Jr, et al. **J La State Med Soc** 1981 Mar;133(3):38–9

Abnormalities of renal venous system and unexplained renal hematuria. Hayashi M, et al. **J Urol** 1980 Jul;124(1):12–6

Congenital renal vascular malformations in childhood. Association with hypertension and detection by angiography. Kaude JV, et al. **Pediatr Radiol** 1981; 10(4):207–9

Congenital renal arteriovenous malformations. Kopchick JH, et al. **Urology** 1981 Jan;17(1):13–7

[Renal blood vessel anomalies as a cause of urinary retention] Kosiński H. **Wiad Lek** 1980 Sep 15;33(18):1447–51 (Eng. Abstr.) **(Pol)**

[Congenital renal arteriovenous fistula] Guillén M, et al. **Arch Esp Urol** 1981 Mar–Apr;34(2):91–100 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

Rare variant of venous stems of the retroperitoneal space in man. Dudziak M, et al. **Folia Morphol (Warsz)** 1980; 39(2):171–80

[Vascular flow-regulating devices in the human kidney] Re G, et al. **Boll Soc Ital Biol Sper** 1980 Nov 30;56(22):2323–6 (Eng. Abstr.) **(Ita)**

DRUG EFFECTS

[Combined reactions of the cerebral and renal vessels to the action of hypertensive and hypotensive agents] Beketov AI, et al. **Farmakol Toksikol** 1980 Jul–Aug;43(4):376–81 (Eng. Abstr.) **(Rus)**

INJURIES

Renovascular trauma. Brown MF, et al. **Am J Surg** 1980 Dec;140(6):802–5

Ureteral and renal vein perforation with placement into the renal vein as a complication of the pigtail ureteral stent. Kidd RV 3d, et al. **J Urol** 1980 Sep;124(3):424–6

[Accidental rupture of the renal vein in radical tumor nephrectomy of a local bleeding hypernephroid carcinoma. Case report] Lustenberger FX, et al. **Z Urol Nephrol** 1981 Feb;74(2):119–24 (Eng. Abstr.) **(Ger)**

METABOLISM

Comparison of degree of dependence of canine renal arteries and veins on high and low affinity calcium for responses to norepinephrine and potassium. Hester RK, et al. **J Pharmacol Exp Ther** 1981 Feb;216(2):239–46

PHYSIOLOGY

[Experimental observations on the ligation of the left renal vein] Libra S, et al. **Chir Patol Sper** 1979 Apr;27(2):126–42 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

Renal vein thrombosis in a child with the nephrotic syndrome: CT diagnosis. Coleman CC, et al. **AJR** 1980 Dec;135(6):1285–6

Selective renal venography in patients with primary renal disease and the nephrotic syndrome. Martin EC, et al. **Cardiovasc Intervent Radiol** 1980 Jul;3(3):175–9

Radiological evaluation of renal vein thrombosis. Clark RA, et al. **CRC Crit Rev Diagn Imaging** 1980;13(4):337–88 (103 ref.)

Intrarenal arteriovenous malformation. Takaha M, et al. **J Urol** 1980 Sep;124(3):315–8

Digital video subtraction angiography of renal vascular abnormalities. Hillman BJ, et al. **Radiology** 1981 May; 139(2):277–80

Vena cava duplication -- anomaly simulating neoplastic renal vein involvement. Markotich JM, et al. **Urol Radiol** 1980–81;2(4):259–61

Renal venography in diagnosis of infiltrating transitional cell carcinoma of renal pelvis. Bernath AS, et al. **Urology** 1981 Aug;18(2):164–7

[Case of the month. Glomerulonephritis as a complication of treatment with D-penicillamide] Chatel A, et al. **J Radiol** 1980 Mar;61(3):180, 184 (Eng. Abstr.) **(Fre)**

[Angiography in the diagnosis of kidney neoplasms] Malinverni AF, et al. **Minerva Med** 1981 Jul 31; 72(29):1899–914 (Eng. Abstr.) **(Ita)**

[Renal venography in the diagnosis of kidney hypoplasia and aplasia in children] Trapeznikova MF, et al. **Urol Nefrol (Mosk)** 1980 Sep–Oct;(5):24–8 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Detection of a traumatic renal arterial venous fistula by radionuclide angiography (RNA). Sequeira JC, et al. **J Trauma** 1981 Jun;21(6):491–2

SURGERY

Reversal of hepatic encephalopathy after occlusion of total portasystemic shunts. Hanna SS, et al. **Am J Surg** 1981 Aug;142(2):285–9

Selective distal splenorenal shunts. Technique and results. Machado AL, et al. **Am J Surg** 1981 Aug;142(2):281–4

Massive haemorrhage caused by left renal vein ligation. Devine TJ, et al. **Br J Surg** 1980 Aug;67(8):594–5

Aortorenal vein graft stenosis causing recurrent hypertension; repair with a temporary shunt. Anton GE, et al. **Cleve Clin Q** 1980 Winter;47(4):321–6

Arterialization of the liver after portacaval shunt in the rabbit. Vassanelli P, et al. **Int Surg** 1980 Mar–Apr;65(2):151–5

Renal evaluation. Renal functions following renal vein ligation. Bosiljevac JE, et al. **J Kans Med Soc** 1981 May; 82(5):222–5

Ultrasonic velocimetry in resection of renal arteriovenous fistulas and other intrarenal surgical procedures. Boyce WH. **J Urol** 1981 May;125(5):610–3

Aorta-left renal vein fistula: hemodynamic monitoring and timing of operation. Merrill WH, et al. **Surgery** 1981 Jun; 89(6):678–82

ULTRASTRUCTURE

Renal microcirculation of the bullfrog, Rana catesbeiana. A scanning electron microscope study of vascular casts. Ohtani O, et al. **Arch Histol Jpn** 1980 Oct;43(4):319–30

RENIN

Preliminary evidence for the conversion of dog renin into a higher-molecular-weight form by cold storage. Kawamura M, et al. **Clin Sci** 1980 Jun;58(6):451–6

Renin in the mouse kidney has a molecular weight of 40 000. Poulsen K, et al. **Clin Sci** 1981 Jan;60(1):41–6

A comparison of multiple forms of renin in rat renal perfusate with those in renal extract. Nakane H, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:37s–40s

Subcellular distribution and storage form of rat renal renin. Sagnella G, et al. **Hypertension** 1980 Sep–Oct;2(5):595–603

ANALYSIS

Immunocytochemical localization of nerve growth factor, submandibular glands of Tfm/Y mice. Gresik EW, et al. **Am J Anat** 1980 Jun;158(2):247–50

Active and inactive renin in human seminal plasma. Craven DJ, et al. **Arch Androl** 1981 Aug;7(1):63–7

Studies on the juxtaglomerular apparatus. VI. Sympathetic innervation, catecholamines and the renin–angiotensin–system in rats and tree–shrews (Tupaia belangeri). Taugner R, et al. **Cell Tissue Res** 1980; 212(3):375–82

Renin in mouse but not in rat submandibular glands. Morris BJ, et al. **Experientia** 1980 Nov 15;36(11):1333–4

Micromethod for the assay of renin of seven species. Haas E, et al. **Hypertension** 1979 Mar–Apr;1(2):112–7

Immunocytochemical localization of renin in kidneys and submandibular glands of SWR/J and C57BL/6J mice. Tanaka T, et al. **J Histochem Cytochem** 1980 Oct; 28(10):1113–8

Wide distribution of immunoreactive renin in nerve cells of human brain. Slater EE, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5458–60

Renin localization in segmental renal hypoplasia. Immunohistochemical demonstration in two cases. Amat D, et al. **Virchows Arch [Pathol Anat]** 1981;390(2):193–204

[Diagnostic significance of the determination of parameters of the renin–angiotensin–aldosterone system] Hubl W, et al. **Z Med Lab Diagn** 1980;21(6):317–24 (Eng. Abstr.) **(Ger)**

[Prorenin in hog kidney: occurrence and characterization (author's transl)] Takahashi S, et al. **Horumon To Rinsho** 1980 Sep;28(9):1008–11 **(Jpn)**

ANTAGONISTS & INHIBITORS

Anti–renin system therapy. A new horizon for understanding and treating hypertension. Laragh JH. **Am Heart J** 1981 Mar;101(3):364–8 (21 ref.)

Synthesis of six analogues and their two fragments related to L–alpha–hydroxyisovaleryl–Leu–Val–Phe–OMe as renin inhibitor. Abiko T, et al. **Biochem Biophys Res Commun** 1981 May 15;100(1):177–83

A substrate analog inhibitor of renin that is effective in vivo. Cody RJ, et al. **Biochem Biophys Res Commun** 1980 Nov 17;97(1):230–5

Inactivation of amniotic prorenin by ethyl diazoacetylglycinate. Johnson RL, et al. **Biochem Biophys Res Commun** 1980 Aug 29;95(4):1404–9

Properties of a renin inhibitor isolated from the pig kidney cortex. Sagnella GA, et al. **Clin Sci** 1981 Jun;60(6):639–51

The Fifth Volhard Lecture. Specific inhibitors of renin. Haber E. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:7s–19s

The effect of renin and aldosterone inhibition by beta–adrenergic blockade on the response to the new diuretic azosemide. Horky K, et al. **Eur J Pharmacol** 1981 Feb 19;69(4):439–46

Drugs inhibiting the renin – angiotensin system. Antonaccio MJ, et al. **Fed Proc** 1981 Jun;40(8):2275–84 (69 ref.)

Evidence against acetone–soluble renin inhibitors in normal human plasma. Druilhet RE, et al. **Hypertension** 1979 Mar–Apr;1(2):98–105

Effects of digoxin on plasma renin activity in hypertensive patients. Montanaro D, et al. **Int J Clin Pharmacol Ther Toxicol** 1980 Jul;18(7):322–3

Synthesis and renin inhibitory properties of a new soluble pepstatin derivative. Gardes J, et al. **J Cardiovasc Pharmacol** 1980 Sep–Oct;2(5):687–98

Inhibition of the renin–angiotensin system. A new approach to the therapy of hypertension. Ondetti MA, et al. **J Med Chem** 1981 Apr;24(4):355–61

Specific inhibition of renin by an angiotensinogen analog: studies in sodium depletion and renin–dependent hypertension. Burton J, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5476–9

BIOSYNTHESIS

Independence of renin production and hypertension in abdominal aortic aneurysmectomy. Grindlinger GA, et al. **Am J Surg** 1981 Apr;141(4):472–7

Renin precursor from mouse kidney identified by cell–free translation of messenger RNA. Poulsen K, et al. **Clin Sci** 1980 Oct;59(4):297–9

Renin producing Wilms' tumor. Spahr J, et al. **J Pediatr Surg** 1981 Feb;16(1):32–4

BLOOD

The effect of chronic low–dose infusion of ACTH (1–24) on renin, renin–substrate, aldosterone and other corticosteroids in sodium replete and deplete man. Fuchs–Hammoser R, et al. **Acta Endocrinol (Copenh)** 1980 Oct;95(2):198–206

Effects of chronic hypocalcaemia on plasma renin activity in man. Gedik O. **Acta Endocrinol (Copenh)** 1980 Aug; 94(4):507–10

Kinins in relation to renin activity in renal and inferior caval veins in normal individuals and patients with primary aldosteronism. Hulthén L, et al. **Acta Endocrinol (Copenh)** 1981 Feb;96(2):235–42

Prolonged clonidine treatment: catecholamines, renin activity and aldosterone following exercise in hypertensives. Manhem P, et al. **Acta Med Scand** 1981;209(4):253–60

Measures to increase the reliability in the diagnostics of renin dependent hypertension. Aurell M, et al. **Acta Med Scand [Suppl]** 1981;646:58–62

Changes in plasma renin concentration, activity and substrate after twentyeight days' treatment with micronized estrogen, ethinylestradiol and norethisterone–acetate in postmenopausal women. Brøns M, et al. **Acta Med Scand [Suppl]** 1981;646:94–7

Effect of immunospecific Fab fragments of antirenin on plasma renin and blood pressure. Lykkegård S. **Acta Pathol Microbiol Scand [C]** 1980 Aug;88(4):179–85

Plasma renin activity, aldosterone and cortisol levels during physical exercise in essential hypertension. Ignatowska–Switalska H, et al. **Acta Physiol Pol** 1980 Nov–Dec;31(6):631–5

Effects of angiotensin–converting enzyme inhibition on blood pressure and plasma renin activity in essential hypertension. Fujita T, et al. **Am Heart J** 1981 Mar;101(3):259–63

Low and high renin essential hypertension: a comparison of clinical and biochemical characteristics. Drayer JI, et al. **Am J Med Sci** 1981 May–Jun;281(3):135–42

Prolactin and the renin–aldosterone axis in human pregnancy. Yuen BH, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 1):738–40

Low plasma renin concentration in patients with Meniere's disease (preliminary report). Arenberg IK, et al. **Am J Otol** 1979 Oct;1(2):83–7

Carotid baroreflex regulation of plasma renin levels. Ammons WS, et al. **Am J Physiol** 1980 Sep;239(3):H342–8

Effects of indomethacin in dogs with acute and chronic renovascular hypertension. Dietz JR, et al. **Am J Physiol** 1981 Apr;240(4):H533–8

Role of renin–angiotensin system in response to hemorrhage in fetal sheep. Iwamoto HS, et al. **Am J Physiol** 1981 Jun; 240(6):H848–54

Increased enzymatic activity of renin and hyperlipidemia. Kotchen TA, et al. **Am J Physiol** 1981 Jan;240(1):E60–4

Adrenergically induced renin release in conscious indomethacin–treated dogs and rats. Seymour AA, et al. **Am J Physiol** 1981 Jun;240(6):F515–21

Effects of indomethacin on plasma renin activity in the conscious rat. Suzuki S, et al. **Am J Physiol** 1981 Mar; 240(3):E286–9

Propranolol alters renin release during nitroprusside–induced hypotension and prevents hypertension on discontinuation of nitroprusside. Khambatta HJ, et al. **Anesth Analg (Cleve)** 1981 Aug;60(8):569–73

Hormonal and hemodynamic changes induced by pentolinium and propranolol during surgical correction of scoliosis. Knight PR, et al. **Anesthesiology** 1980 Aug; 53(2):127–34

Effects of propranolol on the cardiovascular and renin–angiotensin systems during hypotension produced by sodium nitroprusside in humans. Marshall WK, et al. **Anesthesiology** 1981 Sep;55(3):277–80

Endogenous oestrogens and the renin–aldosterone axis––castration of women with high or normal oestradiol level. Lammintausta R, et al. **Ann Clin Res** 1980 Jun; 12(3):119–20

Plasma renin activity and urinary sodium excretion as prognostic indicators in nonazotemic cirrhosis with ascites. Arroyo V, et al. **Ann Intern Med** 1981 Feb;94(2):198–201

Suppression of renin production in patients undergoing coronary artery bypass. Landymore RW, et al. **Ann Thorac Surg** 1980 Dec;30(6):558–63

Renin and angiotensin levels in children. Broughton Pipkin F, et al. **Arch Dis Child** 1981 Apr;56(4):298–302

The plasma kallikrein–renin connection. Derkx FH, et al. **Arch Int Pharmacodyn Ther** 1980;Suppl:165–77

Water–salt balance, plasma renin activity and catecholamine excretion in renovascular hypertension in the rat. de la Riva IJ, et al. **Arch Int Physiol Biochim** 1981 May;89(2):115–25

Plasma renin activity suppression: duration after withdrawal from beta–adrenergic blockade. Garrett BN, et al. **Arch Intern Med** 1980 Oct;140(10):1316–8

Pheochromocytoma with lateralizing renal vein renin activity [letter] Grossman SH, et al. **Arch Intern Med** 1980 Dec; 140(12):1677

Proteinuria and nephrotic syndrome induced by renin in patients with renal artery stenosis. Kumar A, et al. **Arch Intern Med** 1980 Dec;140(12):1631–4

Hyporeninemic hypoaldosteronism. An overlooked cause of hyperkalemia. Tan SY, et al. **Arch Intern Med** 1981 Jan; 141(1):30–3

Renin as a risk factor for atherogenesis. Effects of hypercholesterolemia and two–kidney––one–clip hypertension in the rabbit. Overturf ML, et al. **Atherosclerosis** 1981 Jan–Feb;38(1–2):97–119

A qualitative difference in plasma renin activity in Dahl rats susceptible or resistant to salt–induced hypertension. Rapp JP, et al. **Biochem Genet** 1980 Dec;18(11–12):1087–96

Prorenin measurements and sensitivity to spironolactone: a clinical tool for pathophysiological characterization of low–renin hypertension. Cugini P, et al. **Biochem Med** 1981 Feb;25(1):120–3

Mechanism of activation of inactive renin in human plasma by puff adder venom. Lawrence CH, et al. **Biochim Biophys Acta** 1981 Jan 15;657(1):13–25

Changes in ventricular size and plasma renin activity after cardiac surgery in children. Bourgeois BD, et al. **Br Heart J** 1980 Sep;44(3):297–303

Changes in blood pressure, plasma catecholamines and plasma renin activity during and after treatment with tiamenidine and clonidine. Hansson BG, et al. **Br J Clin Pharmacol** 1981 Jan;11(1):73–7

Leucocyte cation transport in essential hypertension: its relation to the renin–angiotensin system. Edmondson RP, et al. **Br Med J [Clin Res]** 1981 Apr 18;282(6272):1267–9

Raised plasma renin activity in the hypertension of the Guillain–Barré syndrome. Laufer J, et al. **Br Med J [Clin Res]** 1981 Apr 18;282(6272):1272–3

Relation between arterial pressure, dietary sodium intake, and renin system in essential hypertension. Parfrey PS, et al. **Br Med J [Clin Res]** 1981 Jul 11;283(6248):94–7

Renin–dependent hypertension in polyarteritis nodosa. Pickering TG, et al. **Br Med J [Clin Res]** 1981 May 30; 282(6278):1758

Effect of total sympathetic blockade on plasma renin activity during surgery. Sivarajan M, et al. **Can Anaesth Soc J** 1980 Sep;27(5):471–4

Effects of indomethacin, renal denervation, and propranolol on plasma renin activity in conscious dogs with chronic thoracic caval constriction. Echtenkamp SF, et al. **Circ Res** 1981 Aug;49(2):492–500

Acute renovascular hypertension in conscious dogs. Interaction of the renin–angiotensin system and sympathetic nervous system in systemic hemodynamics and regional blood flow responses. Gavras H, et al. **Circ Res** 1980 Sep;47(3):356–65

Indomethacin decreases arterial blood pressure and plasma renin activity in rats with aortic ligation. Jackson EK, et al. **Circ Res** 1981 Jul;49(1):180–5

Decreased vascular and increased adrenal and renal sensitivity to angiotensin II in the newborn lamb. Siegel SR. **Circ Res** 1981 Jan;48(1):34–8

Ontogeny of blood pressure and the renin–angiotensin–aldosterone system. Sequential studies in the newborn lamb. Wilson TA, et al. **Circ Res** 1981 Aug; 49(2):416–23

Relation of the renin–angiotensin–aldosterone system to clinical state in congestive heart failure. Dzau VJ, et al. **Circulation** 1981 Mar;63(3):645–51

Hormonal adaptation to the stresses imposed upon sodium balance by pregnancy and lactation in the Yanomama Indians, a culture without salt. Oliver WJ, et al. **Circulation** 1981 Jan;63(1):110–6

Effects of di–isopropylfluorophosphate and isopropanol on the measurement of plasma renin activity. Chen TC, et al. **Clin Chim Acta** 1980 Nov 6;107(3):217–22

Studies on the cryoactivation of human renin. Drury PL, et al. **Clin Chim Acta** 1981 Jul 1;113(3):319–23

Effect of sulfhydryl reagents on the enzymatic activity of human renin: implications for renin assay. Ryan MP, et al. **Clin Chim Acta** 1980 Sep 25;106(2):135–43

Gel filtration profile of plasma active and inactive renin in normals and patients with nephrotic syndrome. Shimojo N, et al. **Clin Chim Acta** 1981 Feb 5;109(3):345–9

Urinary prostaglandins following frusemide treatment and salt depletion in normal subjects and subjects with diabetic hyporeninaemic hypoaldosteronism. Farese RV, et al. **Clin Endocrinol (Oxf)** 1980 Nov;13(5):447–53

Studies of diurnal changes in plasma renin activity, and plasma noradrenaline, aldosterone and cortisol concentrations in man. Lightman SL, et al. **Clin Endocrinol (Oxf)** 1981 Mar;14(3):213–23

In vitro determinants of plasma renin activity in serially–studied inbred dogs with neonatally induced coarctation hypertension: renin reactivity, renin substrate, and renin concentration. Bagby SP, et al. **Clin Exp Hypertens** 1981;3(3):455–75

The effects of captopril on blood pressure in essential hypertensive patients with low or normal plasma renin activity. Interference with autonomic nervous system. Degli Esposti E, et al. **Clin Exp Hypertens** 1981;3(3):439–54

Simultaneous measurement of PRA, PRC and PRR and the relation of renin reaction rate to renin substrate concentration. Gordon DB, et al. **Clin Exp Hypertens** 1980; 2(1):65–87

Variation of plasma and kidney renin activities among substrains of spontaneously hypertensive rats. Kawashima K, et al. **Clin Exp Hypertens** 1980 Feb;2(2):229–45

Dissociated renin–aldosterone response to acute sodium depletion in patients with a previous history of pregnancy–associated hypertension. Al–Khader AA, et al. **Clin Exp Hypertens** 1980;2(5):839–49

Alteration of the volume–renin component in borderline essential hypertension. Lebel M, et al. **Clin Exp Hypertens** 1981;3(1):39–54

Oral contraceptives and responsiveness of plasma renin activity and blood pressure in normotensive women. Leenen FH, et al. **Clin Exp Hypertens** 1980 Feb; 2(2):197–211

Trypsin activation of inactive renin in human plasma. An assessment of some methodological aspects. Rappelli A, et al. **Clin Exp Hypertens** 1981;3(2):299–318

Relationships between sodium clearance, plasma renin activity, plasma aldosterone, renal hemodynamics and blood pressure in essential hypertension. Reubi FC, et al. **Clin Exp Hypertens** 1980;2(3–4):593–612

Ethnic differences in blood pressure with observations on noradrenaline and renin. A hospital hypertensive population. Sever PS, et al. **Clin Exp Hypertens** 1979; 1(6):745–60

Ethnic differences in blood pressure with observations on

noradrenaline and renin. 1. A working population. Sever PS, et al. **Clin Exp Hypertens** 1979;1(6):733–44
Essential hypertension: relationship between renin and blood pressure. Vetter H, et al. **Clin Exp Hypertens** 1980; 2(3–4):553–61
Acute changes in blood pressure and vasoactive hormones after captopril in hypertensive patients. McGrath BP, et al. **Clin Exp Pharmacol Physiol** 1980 Sep–Oct;7(5):487–91
Effect of beta-adrenoreceptor blockade on the renin response to acute natriuresis. Vandongen E, et al. **Clin Exp Pharmacol Physiol** 1980 Sep–Oct;7(5):579–82
Lack of prolonged effect of antidiuretic hormone on the renin–aldosterone system in the dog. Young DB, et al. **Clin Exp Pharmacol Physiol** 1981 May/June;8(3):267–71
Effect of sustained hypernatraemia on the renin–aldosterone system in the dog. Young DB, et al. **Clin Exp Pharmacol Physiol** 1981 May/June;8(3):261–6
Peripheral renin activity before and after furosemide in normotensives and hypertensives. Fernandez PG, et al. **Clin Invest Med** 1980;3(3–4):253–8
Renal venous renin activity in various forms of curable renal hypertension. Lüscher TF, et al. **Clin Nephrol** 1981 Jun; 15(6):314–20
Response to frusemide in acute renal failure: dissociation of renin and diuretic responses. Powell HR, et al. **Clin Nephrol** 1980 Aug;14(2):55–9
Hemodynamic effects of the converting enzyme inhibitor teprotide in normal– and high–renin hypertension. Niarchos AP, et al. **Clin Pharmacol Ther** 1980 Nov; 28(5):592–601
Elevation of serum potassium during beta blockade: absence of relationship to the renin–aldosterone system. Traub YM, et al. **Clin Pharmacol Ther** 1980 Dec;28(6):765–68
Inhibition of the renin–angiotensin–aldosterone system by L–dopa with and without inhibition of extracerebral dopa decarboxylase in man. Barbieri C, et al. **Clin Sci** 1981 Aug; 61(2):187–90
Renin response to volume contraction and indomethacin in spontaneously hypertensive rats. Cangiano JL, et al. **Clin Sci** 1981 May;60(5):479–82
Impaired response of plasma renin activity to tilting after renal transplantation. Cunningham J, et al. **Clin Sci** 1981 Jul;61(1):69–73
Changes in plasma renin activity after hypoglycaemia in sympathectomized man. Frier BM, et al. **Clin Sci** 1981 Aug; 61(2):245–7
Plasma renin activity in normal human pregnancy and in pregnancy–associated hypertension, with reference to cryoactivation. Gallery ED, et al. **Clin Sci** 1980 Jul; 59(1):49–53
The sympathetic nervous system and the renin–angiotensin system in borderline hypertension. Henquet JW, et al. **Clin Sci** 1981 Jan;60(1):25–31
Haemodynamics, plasma noradrenaline and plasma renin in hypertensive and normotensive teenagers. Hofman A, et al. **Clin Sci** 1981 Aug;61(2):169–74
Effect of haemorrhage on renin concentration in superficial and deep venous outflows of the cat kidney. Jones SM, et al. **Clin Sci** 1981 Jun;60(6):703–6
Captopril combined with thiazide lowers renin substrate concentration: implications for methodology in renin assays. Rasmussen S, et al. **Clin Sci** 1981 May;60(5):591–3
Inactive renin in rabbit plasma: effect of frusemide. Richards HK, et al. **Clin Sci** 1981 Apr;60(4):393–8
Plasma kallikrein and plasmin as activators of prorenin: links between the renin–angiotensin system and other proteolytic systems in plasma. Schalekamp MA, et al. **Clin Sci** 1981 Jul;61(1):15–21 (21 ref.)
Effect of neonatal sympathectomy with 6–hydroxydopamine on reactivity of the renin–angiotensin system in spontaneously hypertensive rats. Sinaiko AR, et al. **Clin Sci** 1980 Aug;59(2):123–9
Enzyme inhibitors for renin assay in rat plasma. Tikkanen I, et al. **Clin Sci** 1980 Nov;59(5):381–3
Plasma catecholamines and plasma renin activity at birth and during the first days of life. Leonetti G, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:319s–321s
Role of haemodynamics, catecholamines and renin in acute hypercalcaemic hypertension in man. Marone C, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:369s–371s
Effects of benzothiazepine derivative (CRD–401) on blood pressure, excretion of electrolytes, and plasma renin activity. Funyu T, et al. **Clin Ther** 1981;3(6):456–66
Renin levels and cardiovascular morbidity: a prospective study of the effect of beta–adrenergic blocking drugs. Hauger–Klevene JH. **Curr Med Res Opin** 1981;7(7):443–51
Regulation of plasma renin in developing piglets. Osborn JL, et al. **Dev Pharmacol Ther** 1980;1(4):217–28
The renin–angiotensin–aldosterone system in diabetic patients with hyperkalemia. Sunderlin FS Jr, et al. **Diabetes** 1981 Apr;30(4):335–40
Cryorenin in the newborn human and lamb. Siegel SR, et al. **Early Hum Dev** 1981 May;5(2):151–6
Effect of somatostatin on plasma renin activity and blood pressure in patients with essential hypertension. Izumi Y, et al. **Endocrinol Jpn** 1980 Aug;27(4):505–11
Dissociation of plasma renin activity and plasma aldosterone level during dexamethasone suppression test in non–salt–losers with congenital adrenal hyperplasia due to 21–hydroxylase deficiency. Kinoshita K, et al. **Endocrinol Jpn** 1980 Dec;27(6):747–51
Activation of rat plasma renin. Barrett JD, et al. **Endocrinology** 1981 Mar;108(3):778–85
Role of the renin–angiotensin system in maintaining arterial pressure in conscious pregnant rats. Fowler WL Jr, et al. **Endocrinology** 1981 Jul;109(1):290–5
Effects of increases in plasma vasopressin concentration on plasma renin activity, blood pressure, heart rate, and plasma corticosteroid concentration in conscious dogs. Malayan SA, et al. **Endocrinology** 1980 Dec;107(6):1899–904
Plasma vasopressin, renin activity, and aldosterone: effect of exercise and training. Geyssant A, et al. **Eur J Applied Physiol** 1981;46(1):21–30
Influence of exposure to moderate altitude on the plasma concentraton of cortisol, aldosterone, renin, testosterone, and gonadotropins. Humpeler E, et al. **Eur J Applied Physiol** 1980;45(2–3):167–76
Plasma AVP, neurophysin, renin activity, and aldosterone during submaximal exercise performed until exhaustion in trained and untrained men. Melin B, et al. **Eur J Applied Physiol** 1980;44(2):141–51
Effects of furosemide and orthostasis on active and inactive renin in normal and anephric man. Konrads A, et al. **Eur J Clin Invest** 1981 Apr;11(2 Suppl 1):105–9
Effect of indomethacin upon the renin–-angiotensin system in patients with Bartter's syndrome. Vierhapper H, et al. **Eur J Clin Invest** 1980 Apr;10(2 Pt 1):119–24
Time course of blood pressure, pulse rate, plasma renin and metoprolol during treatment of hypertensive patients. Haglund K, et al. **Eur J Clin Pharmacol** 1980 May; 17(5):321–8
Influence of dobutamine and dopamine on hemodynamics and plasma concentrations of noradrenaline and renin in patients with low cardiac output following acute myocardial infarction. Kho TL, et al. **Eur J Clin Pharmacol** 1980 Oct;18(3):213–7
Plasma catecholamines, plasma renin activity and haemodynamics during sodium nitroprusside–induced hypotension and additional beta–blockage with bunitrolol. Stanek B, et al. **Eur J Clin Pharmacol** 1981;19(5):317–22
Successful acute and long–term treatment of renin–induced hypertension in two infants with captopril. Rosendahl W, et al. **Eur J Pediatr** 1980 Dec;135(2):161–4
Efficacy of captopril in experimental low renin hypertension. Tikkanen I, et al. **Eur J Pharmacol** 1980 Nov 21; 68(2):197–200
Effects of angiotensin II analog on blood pressure, renin and aldosterone in women on oral contraceptives and toxemia. Saruta T, et al. **Gynecol Obstet Invest** 1981;12(1):11–20
Lack of effect of somatostatin on stimulated renin release in healthy persons. Gordin A, et al. **Horm Metab Res** 1980 Dec;12(12):709–10
Interruption of the renin–angiotensin system in hypertensive patients by captopril induces sustained reduction in aldosterone secretion, potassium retention and natruiresis. Atlas SA, et al. **Hypertension** 1979 May–Jun;1(3):274–80
Abnormality of the renin/body–fluid–volume relationship in serially–studied inbred dogs with neonatally–induced coarctation hypertension. Bagby SP, et al. **Hypertension** 1980 Sep–Oct;2(5):631–42
Effects of short–term norepinephrine infusion on plasma catecholamines, renin, and aldosterone in normal and hypertensive man. Beretta–Piccoli C, et al. **Hypertension** 1980 Sep–Oct;2(5):623–30
Differences in response to the peptidyldipeptide hydrolase inhibitors SQ 20,881 and SQ 14,225 in normal–renin essential hypertension. Crantz FR, et al. **Hypertension** 1980 Sep–Oct;2(5):604–9
Circadian changes in plasma renin activity and plasma aldosterone concentration in two–kidney hypertension rats. DeForrest JM, et al. **Hypertension** 1979 Mar–Apr; 1(2):142–9
Low plasma renin activity in normotensive patients with diabetes mellitus: relationship to neuropathy. Fernandez–Cruz A Jr, et al. **Hypertension** 1981 Jan–Feb; 3(1):87–92
Inactive renin of high molecular weight (big renin) in normal human plasma. Activation by pepsin, trypsin, or dialysis to pH 3.3 and 7.5. Hsueh WA, et al. **Hypertension** 1980 Nov–Dec;2(6):750–6
Modification of the enzymatic activity of renin by acidification of plasma and by exposure of plasma to cold temperatures. Kotchen TA, et al. **Hypertension** 1979 May–Jun;1(3):190–201
Abnormal urinary kallikrein in hypertension is not related to aldosterone or plasma renin activity. Lawton WJ, et al. **Hypertension** 1980 Nov–Dec;2(6):787–93
Studies on the activation and molecular weight of inactive renin in human plasma. Morimoto K, et al. **Hypertension** 1980 Sep–Oct;2(5):680–85
Independence of the central nervous and the peripheral renin–angiotensin systems in the dog. Nicholls MG. **Hypertension** 1979 May–Jun;1(3):228–34
Activation of a prorenin–like substance in human plasma by trypsin and by urinary kallikrein. Sealey JE, et al. **Hypertension** 1979 May–Jun;1(3):179–89
Norepinephrine and renin activity in chronic renal failure. Evidence for interacting roles in hemodialysis hypertension. Textor SC, et al. **Hypertension** 1981 May–Jun;3(3):294–9
Relation between blood pressure and renin, renin substrate, angiotensin II, aldosterone and urinary sodium and potassium in 574 ambulatory subjects. Walker WG, et al. **Hypertension** 1979 May–Jun;1(3):287–91
Changes in plasma renin activity in cirrhosis: a reappraisal based on studies in 67 patients and 'low–renin' cirrhosis. Wilkinson SP, et al. **Hypertension** 1979 Mar–Apr;1(2):125–9
Plasma renin activity in normotensive Indian population. Deshpande A, et al. **Indian Heart J** 1981 Jan–Feb; 33(1):15–7
Simulated altitude and plasma renin activity in rats. Rahman H, et al. **Indian J Med Res** 1980 Sep;72:445–8
The renin–aldosterone system in low–dose chlorothiazide treatment of hypertensive subjects. Lammintausta R, et al. **Int J Clin Pharmacol Ther Toxicol** 1980;18(8):329–31
Response of renin, aldosterone and antidiuretic hormone to furosemide and furosemide–triamterene combination. Lammintausta R, et al. **Int J Clin Pharmacol Ther Toxicol** 1980 Sep;18(9):395–8
Plasma renin activity and plasma aldosterone in acute renal failure. Mydlik M, et al. **Int Urol Nephrol** 1980;12(1):83–90
Effect of age on active and inactive plasma renin in normal subjects and in patients with essential hypertension. Nakamaru M, et al. **J Am Geriatr Soc** 1981 Aug; 29(8):379–82
Exercise training hypotension: implications for plasma volume, renin, and vasopressin. Greenleaf JE, et al. **J Appl Physiol** 1981 Aug;51(2):298–305
Plasma renin activity, vasopressin concentration, and urinary excretory responses to exercise in men. Wade CE, et al. **J Appl Physiol** 1980 Dec;49(6):930–6
Activation and characterization of inactive big renin in plasma of patients with diabetic nephropathy and unusual active renin. Hsueh WA, et al. **J Clin Endocrinol Metab** 1980 Sep;51(3):535–43
Renin requires a structural alteration prior to activation by renal kallikrein. Hsueh WA, et al. **J Clin Endocrinol Metab** 1980 Oct;51(4):942–4
Role of the renin–angiotensin system in enhancing the aldosterone response to adenocorticotropin during acute sodium depletion in normal subjects. Kigoshi T, et al. **J Clin Endocrinol Metab** 1980 Nov;51(5):1102–6
Suppression of captopril–induced increase in plasma renin activity by des–Asp1–,Ileu8–angiotensin II in man. Kono T, et al. **J Clin Endocrinol Metab** 1981 Feb;52(2):354–8
Effect of captopril and aprotinin on inactive renin. Sealey JE, et al. **J Clin Endocrinol Metab** 1981 Sep;53(3):626–30
Inactive renin and prostaglandin E2 production in hyporeninemic hypoaldosteronism. Tan SY, et al. **J Clin Endocrinol Metab** 1980 Oct;51(4):849–53
The effect of triamterene and sodium intake on renin, aldosterone, and erythrocyte sodium transport in Liddle's syndrome. Wang C, et al. **J Clin Endocrinol Metab** 1981 May;52(5):1027–32
Mechanism of hyperreninemia in the potassium–depleted rat. Linas SL. **J Clin Invest** 1981 Aug;68(2):347–55
Increased renal secretion of norepinephrine and prostaglandin E2 during sodium depletion in the dog. Oliver JA, et al. **J Clin Invest** 1980 Oct;66(4):748–56
Tolerance to the humoral and hemodynamic effects of caffeine in man. Robertson D, et al. **J Clin Invest** 1981 Apr;67(4):1111–7
Effect of guanabenz and hydrochlorothiazide on blood pressure and plasma renin activity. Holland OB, et al. **J Clin Pharmacol** 1981 Apr;21(4):133–9
Effect of inhibition of converting enzyme on inactive renin in the circulation of salt–replete and salt–deplete normal subjects. Millar JA, et al. **J Endocrinol** 1980 Aug; 86(2):329–35
Effect of 12–hour infusions of saralasin or captopril on blood pressure in hypertensive conscious rats. Relationship to plasma renin, duration of hypertension, and effect of unclipping. Bing RF, et al. **J Lab Clin Med** 1981 Aug; 98(2):302–10
Contact activation of human plasma prorenin in vitro. Blumberg AL, et al. **J Lab Clin Med** 1981 Jun;97(6):771–8
Plasma 'prorenin'–renin in Bartter's syndrome, cystic fibrosis, and chloride deficiency, and the effect of prostaglandin synthetase inhibition. Chan LL, et al. **J Lab Clin Med** 1981 Jun;97(6):785–90
Reversibility of hyporeninemia and hypoaldosteronemia in chronic hemodialysis patients by correction of fluid excess. Krause JZ, et al. **J Lab Clin Med** 1980 Oct;96(4):734–42
Hypotensive effect of captopril in relation to plasma renin activity in anesthetized rats. Satoh S, et al. **J Pharmacobiodyn** 1980 May;3(5):258–60
A simple microassay for the estimation of renin concentration in plasma. Husain A, et al. **J Pharmacol Methods** 1980 Sep; 4(2):115–25
Hypertensive mechanisms in coarctation of the aorta. Further studies of the renin–angiotensin system. Parker FB Jr, et al. **J Thorac Cardiovasc Surg** 1980 Oct;80(4):568–73
Frequent falsely negative renal vein renin tests in unilateral renal parenchymal disease. Lamberton RP, et al. **J Urol** 1981 Apr;125(4):477–80
Renovascular hypertension from segmental renal artery stenosis: importance of segmental renal vein renin sampling. Lee SM, et al. **J Urol** 1980 Nov;124(5):704–6
Renin participation in hypertension associated with unilateral hydronephrosis. Riehle RA Jr, et al. **J Urol** 1981 Aug; 126(2):243–6
A simplified screening test for differentiating primary aldosteronism from essential hypertension with low plasma renin activity. Honda M, et al. **Jpn Circ J** 1980 Sep; 44(9):719–25
The effect of angiotensin II antagonist, Sar1–Ile8–angiotensin

II, on furosemide-induced increase in plasma noradrenaline, renin activity and aldosterone in unanesthetized dogs. Ueno Y, et al. **Jpn Circ J** 1980 Dec; 44(12):981-7

Hemodynamic and volume characteristics, and peripheral plasma renin activity in Takayasu's arteritis. Yoneda S, et al. **Jpn Circ J** 1980 Dec;44(12):950-6

Exaggerated response of renin secretion to captopril (SQ 14225) in renovascular hypertension. Imai Y, et al. **Jpn Heart J** 1980 Nov;21(6):793-802

Influence of unilateral adrenalectomy on renin-angiotensin-aldosterone system in primary aldosteronism. Kawasaki T, et al. **Jpn Heart J** 1980 Sep; 21(5):681-92

Renal function, plasma renin, and spontaneous diuresis in an advanced stage of hypertension in rats. Matsunaga M, et al. **Jpn Heart J** 1980 Sep;21(5):737-51

Effects of long-term treatments with captopril on blood pressure and renin activity in the stroke-prone spontaneously hypertensive rats. Watanabe TX, et al. **Jpn J Pharmacol** 1980 Dec;30(6):819-27

Indirect evidence against a role of the kinin system in the renal hemodynamic effect of captopril in the rat. Mimran A, et al. **Kidney Int** 1980 Dec;18(6):746-53

Studies on the renin-aldosterone system in the acute nephritic syndrome. Rodriguez-Iturbe B, et al. **Kidney Int** 1981 Mar; 19(3):445-53

Rare forms of renal hypertension. Lüscher T, et al. **Klin Wochenschr** 1981 Jan 2;59(1):35-45

Effect of indomethacin on blood pressure in rats with renovascular hypertension: dependence on plasma renin activity. Stahl R, et al. **Klin Wochenschr** 1981 Mar 2; 59(5):245-6

Effect of age on diagnostic usefulness of stimulated plasma renin activity and saralasin test in detection of renovascular hypertension. Anderson GH Jr, et al. **Lancet** 1980 Oct 18; 2(8199):821-4

Haemodynamic, hormonal, and electrolyte responses to captopril in resistant heart failure. Maslowski AH, et al. **Lancet** 1981 Jan 10;1(8211):71-4

Plasma renin activity and urinary kallikrein excretion in lead-exposed workers as related to hypertension and nephropathy. Boscolo P, et al. **Life Sci** 1981 Jan 12; 28(2):175-84

[DES-ASP1] Angiotensin II in the sheep: blood levels and its effect on plasma renin concentration. Fei DT, et al. **Life Sci** 1980 Oct 20;27(16):1495-502

Estradiol valerate therapy and the renin--aldosterone system in castrated women. Punnonen R, et al. **Maturitas** 1980 Jul;2(2):91-4

[The effect of some beta-blocking drugs on plasma renin activity, platelet adhesiveness and dilute blood clot lysis time in patients with essential arterial hypertension. Vlaicu R, et al. **Med Interne** 1980 Jul-Sep;18(3):247-51

Note on the radioimmunoassay of angiotensin-I in the measurement of plasma renin activity [letter] Oates HF. **Med J Aust** 1981 Feb 7;1(3):143

Effects of bumetanide upon PRA and urinary kallikrein excretion in normal subjects before and after indomethacin treatment. Pierucci A, et al. **Minerva Nefrol** 1980 Jul-Sep; 27(3):421-4

The effect of weight reduction on blood pressure, plasma renin activity, and plasma aldosterone levels in obese patients. Tuck ML, et al. **N Engl J Med** 1981 Apr 16; 304(16):930-3

A new bioassay method for measurement of angiotensin II using isolated bovine adrenal cells: clinical application on the plasma renin activity. Kako T, et al. **Nagoya J Med Sci** 1980 Nov;43(1-2):1-5

Reversible activation-inactivation of renin in human plasma. Leckie BJ, et al. **Nature** 1980 Dec 25;288(5792):702-5

Maintenance of blood pressure by the renin-angiotensin system in normal man. MacGregor GA, et al. **Nature** 1981 May 28;291(5813):329-31

Response of plasma aldosterone to sequential ultrafiltration, dialysis and conventional hemodialysis. Farinelli A, et al. **Nephron** 1980;26(6):274-9

Renal vein renin activity and prostaglandins A and E in hypertension. Pletka PG, et al. **Nephron** 1981;27(1):43-6

Influence of age and sodium intake on plasma renin activity of normal subjects. Salvetti A, et al. **Nephron** 1980; 26(4):189-94

Plasma renin activity in patients after a subarachnoid hemorrhage--a possible predictor of outcome. Neil-Dwyer G, et al. **Neurosurgery** 1980 Dec;7(6):578-82

Effect of postural change on plasma renin and aldosterone concentrations in third-trimester pregnancy. Oney T, et al. **Obstet Gynecol** 1981 Jul;58(1):31-4

12 h profile of plasma renin activity and angiotensin II like activity in Cushing's syndrome. Tosti-Croce C, et al. **Panminerva Med** 1979 Oct-Dec;21(4):153-6

The effects of angiotensin II, saralasin, and furosemide on inactive renin in the fetal lamb. Siegel S, et al. **Pediatr Res** 1980 Dec;14(12):1353-5

Effects of furosemide and acute salt loading on vasopressin and renin secretion in the fetal lamb. Siegel SR, et al. **Pediatr Res** 1980 Jul;14(7):869-71

Plasma renin activity, aldosterone and dopamine beta-hydroxylase activity as a function of age in normal children. Vincent M, et al. **Pediatr Res** 1980 Jul;14(7):894-5

Renin levels in normokalemic hyperaldosteronism [letter] Walson PD. **Pediatrics** 1981 Feb;67(2):309-10

Effects of serotonin and L-5-hydroxytryptophan on plasma renin activity in rats. Barney CC, et al. **Pharmacol Biochem Behav** 1981 Jun;14(6):895-900

Plasma catecholamines and renin during operant blood pressure conditioning in baboons. Goldstein DS, et al. **Physiol Behav** 1981 Jan;26(1):33-7

Plasma renin activity in hyperthermic rats. Groza P, et al. **Physiologie** 1981;18(2):83-8

Plasma catecholamines, renin and aldosterone during combined alpha- and beta- adrenoceptor blockade in patients with severe arterial hypertension. Kornerup HJ, et al. **Postgrad Med J** 1980;56 Suppl 2:49-52

Cardiovascular, renal, and humoral effects of applying local anesthetic to the atria of conscious dogs. Goetz KL, et al. **Proc Soc Exp Biol Med** 1981 May;167(1):101-9

Effect of glycerol-induced hypertonicity on plasma renin concentration in humans. Goodfriend TL, et al. **Proc Soc Exp Biol Med** 1980 Sep;164(4):482-4

Deoxycorticosterone acetate-induced renin suppression in the absence of antidiuretic hormone. Murray RD, et al. **Proc Soc Exp Biol Med** 1980 Oct;165(1):137-40

Attenuation of isoproterenol-stimulated plasma renin activity by chronic estrogen treatment. Scammell JG, et al. **Proc Soc Exp Biol Med** 1981 May;167(1):117-21

Mechanism of Captopril-induced renin release in conscious rats. Schiffrin EL, et al. **Proc Soc Exp Biol Med** 1981 Jul; 167(3):327-32

Dopaminergic Modulation of renin activity and aldosterone and prolactin secretion in the spontaneously hypertensive rat. Sowers JR, et al. **Proc Soc Exp Biol Med** 1980 Sep; 164(4):598-603

Hormonal and hemodynamic responses to 15 ml/kg hemorrhage in conscious dogs: responses correlate to body temperature. Wood CE, et al. **Proc Soc Exp Biol Med** 1981 May;167(1):15-9

Renin, ADH and the kidney: a congeries of conundrums. Blair-West JR, et al. **Prog Biochem Pharmacol** 1980;17:20-8

Low-renin hypertension with hyperaldosteronism in childhood. New MI, et al. **Prog Biochem Pharmacol** 1980; 17:54-7

Prostaglandins and renin production: a review. Franco-Saenz R, et al. **Prostaglandins** 1980 Dec;20(6):1131-43 (70 ref.)

The renin--kallikrein--prostaglandin system: plasma active and inactive renin and urinary kallikrein during prostacyclin infusion in man. FitzGerald GA, et al. **Prostaglandins Med** 1980 Dec;5(6):445-56

Studies of the renal vasoactive systems in hyporeninemic hypoaldosteronism. Hahn JA, et al. **Prostaglandins Med** 1981 Jun;6(6):549-56

Prostaglandin levels and renin activity in renal venous blood of patients with renal hypertension. Ignatowska-Switalska H, et al. **Prostaglandins Med** 1981 Jan;6(1):65-74

A comparison of the effects of prostaglandins E2 and I2 on renal function and renin release in salt-loaded and salt-depleted anaesthetized dogs. Jones RL, et al. **Q J Exp Physiol** 1981 Jan;66(1):1-15

Surgical correction of renovascular hypertension: dissociation between post-operative changes in plasma renin and blood pressure. Maskill M, et al. **Q J Med** 1980 Spring;49(194):179-90

Plasma renin in hypertensive patients: significance in relation to clinical and other biochemical features. Russell GI, et al. **Q J Med** 1980;49(195):385-94

Plasma renin in aorta, peripheral and renal veins in young patients with coarctation of the aorta. Comparative study with essential hypertensives. Cugini P, et al. **Quad Sclavo Diagn** 1980 Mar;16(1):50-65 (42 ref.)

Renal venous renin sampling. Prospective study of technique and methods. Harrington DP, et al. **Radiology** 1981 Mar; 138(3):571-5

The blood volume and the renin-angiotensin-aldosterone system following open-heart surgery. Barta E, et al. **Resuscitation** 1980 Jun;8(2):137-46

Plasma noradrenaline concentration in hypertensive and normotensive forty-year-old individuals: relationship to plasma renin concentration. Ibsen H, et al. **Scand J Clin Lab Invest** 1980 Jun;40(4):333-9

Cardiovascular function and the renin-angiotensin-aldosterone system in long-distance runners during various training periods. Kosunen K, et al. **Scand J Clin Lab Invest** 1980 Sep;40(5):429-35

Indomethacin inhibits the antihypertensive effect of captopril, SQ 14225, in low renin hypertension. Abe K, et al. **Tohoku J Exp Med** 1980 Sep;132(1):117-8

Active and inactive renin after SQ 14225 (Captopril) administration. Goto T, et al. **Tohoku J Exp Med** 1980 Nov;132(3):363-4

An association between the renin angiotensin system, blood pressure and potassium intake. Walker WG, et al. **Trans Am Clin Climatol Assoc** 1979;91:107-14

The effect of dialysate sodium concentration on body fluid distribution during hemodialysis. Van Stone JC, et al. **Trans Am Soc Artif Intern Organs** 1980;26:383-6

Hypertension with elevated renal vein renin secondary to unilateral hydronephrosis. Pak K, et al. **Urology** 1980 Nov; 16(5):499-501

Renin levels in hypertensive patients in Jamaica. Grell GA, et al. **West Indian Med J** 1981 Mar;30(1):30-3

[Assessment of increased perinatal risk by radioimmunological measurement of chorionic somatomammotropin and plasma renin activity and by localization of the placenta (scintigraphically) and study of ureteroplacental blood circulation] Teodoru GK, et al. **Akush Ginekol (Sofiia)** 1981;20(1):26-34 (Eng. Abstr.) **(Bul)**

[Renin-angiotensin-aldosterone system in diabetes, arterial hypertension and orthostatic hypotension] Khristov V, et al. **Vutr Boles** 1980;19(4):28-31 **(Bul)**

[Hyporeninemic hypoaldosteronism] Khristov V. **Vutr Boles** 1981;20(1):10-6 (53 ref.) **(Bul)**

[Determination of plasma renin activities in 47 cases of primary hypertension (author's transl)] Zheng DY, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1979;7(1):22-5 **(Chi)**

[Plasma and urine steroids in essential hypertension with normal and suppressed renin and in primary hyperaldosteronism. Changes after ACTH stimulation] Horký K, et al. **Cas Lek Cesk** 1980 May 23; 119(20-21):567-74 (Eng. Abstr.) **(Cze)**

[Physiologic values of plasma renin activity in children] Fedora J, et al. **Cesk Pediatr** 1980 Oct;35(10):532-5 (Eng. Abstr.) **(Cze)**

[Plasma renin activity and aldosterone excretion in coarctation of the aorta] Solc J, et al. **Cesk Pediatr** 1980 Nov;35(11):596-7 (Eng. Abstr.) **(Cze)**

[Effects of anesthesia and adaptation to manipulations and conditions of sacrifice on renin activity and plasma concentration of angiotensin II in rats] Stoynev AG, et al. **Agressologie** 1980;21(3):143-5 **(Fre)**

[Role of the renin-angiotensin system in arterial hypertension with aortic coarctation in young adults] Lardoux H, et al. **Arch Mal Coeur** 1980;73(3):246-53 (Eng. Abstr.) **(Fre)**

[Factors contributing to the etiology of hypertension in pregnancy. 2. Renin-angiotensin system and toxemia of pregnancy] Annat G, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(1):42-5 **(Fre)**

[Comparative effects of seven beta adrenolytic agents on blood pressure after injection into the posterior hypothalamus of rats. The frequency heart and the plasma renin activity (author's transl)] Bentue-Ferrer D, et al. **J Pharmacol** 1981 Apr-Jun;12(2):161-77 (Eng. Abstr.) **(Fre)**

[Essential arterial hypertension. Effects of labetalol on blood pressure and renin-angiotensin system (author's transl)] Martinand A, et al. **Nouv Presse Med** 1980 Sep 27; 9(35):2565-8 (Eng. Abstr.) **(Fre)**

[Effects of labetalol, a new alpha- and beta-adrenoreceptor blocking drug, on arterial pressure, renal function and renin activity (author's transl)] Zech P, et al. **Nouv Presse Med** 1980 Mar 29;9(15):1087-90 (Eng. Abstr.) **(Fre)**

[Arterial hypertension, hyperreninemia and systemic necrotizing vasculitis] Lejonc JL, et al. **Rev Med Interne** 1981;2(2):179-82 **(Fre)**

[The renin-angiotension-aldosterone system and cortisol excretion before, during and after enflurane anaesthesia for orthopaedic surgery (author's transl)] Hack G, et al. **Anaesth Intensivther Notfallmed** 1980 Dec;15(6):453-9 (Eng. Abstr.) **(Ger)**

[Renin-angiotensin system in acute hepatitis (author's transl)] Spech HJ, et al. **Leber Magen Darm** 1981 Jan;11(1):10-4 (Eng. Abstr.) **(Ger)**

[The renin-angiotensin-aldosterone system under stimulation conditions after kidney transplantation] Küppers H, et al. **Med Welt** 1981 Jul 17;32(29):1141-2 **(Ger)**

[Temporal aspects of the function of the renin-angiotensin-aldosterone system. Contribution to the methodological standardization of explorative test (author's transl)] Cugini P, et al. **Ann Ist Super Sanita** 1979; 15(2):179-96 (Eng. Abstr.) **(Ita)**

[Behavior of the plasma level of digoxin in the rat in induced experimental hyperreninemia] Albano V, et al. **Boll Soc Ital Biol Sper** 1979 Aug 15;55(15):1540-4 (Eng. Abstr.) **(Ita)**

[Saralasin in subjects with low renin arterial hypertension] Frisina N, et al. **Boll Soc Ital Biol Sper** 1980 Jul 15; 56(13):1367-73 (Eng. Abstr.) **(Ita)**

[Functional relationships between plasma renin activity and hemodynamic indices in essential arterial hypertension] Maugeri Saccà C, et al. **Boll Soc Ital Biol Sper** 1980 Dec 15;56(23):2446-52 (Eng. Abstr.) **(Ita)**

[Relation between the hypotensive and renin-stimulating effect of diuretic therapy in hypertensive patients] Bianchini C, et al. **Boll Soc Ital Cardiol** 1978;23(10):1739-47 **(Ita)**

[Correlation between plasma volume and plasma renin activity, aldosteronemia, blood electrolytes and arterial pressure in a group of randomized hypertensives] Cerasola GA, et al. **Boll Soc Ital Cardiol** 1979;24(5):501-8 (Eng. Abstr.) **(Ita)**

[High and low renin levels in essential hypertension: opposite extremes of sensitivity of the juxtaglomerular beta-adrenoreceptors to adrenergic stimulation] Morganti A, et al. **Boll Soc Ital Cardiol** 1979;24(11):1187-95 **(Ita)**

[Effect of potassium canrenoate on arterial pressure, plasma renin activity and urinary aldosterone in essential hypertension] Opocher G, et al. **Boll Soc Ital Cardiol** 1978; 23(10):1757-66 **(Ita)**

[Relation between actual and theoretical plasma volume in hypertension. Correlation with peripheral resistance] Ricci S, et al. **Boll Soc Ital Cardiol** 1978;23(10):1695-8 **(Ita)**

[Preliminary study of the role of arginine vasopressin in arterial hypertension] Volpe M, et al.

Boll Soc Ital Cardiol 1979;24(11):1235–8 **(Ita)**

[Correlations between renin and hemodynamics in chronic uremic patients under periodic hemodialysis treatment] Pigliucci GM, et al. **Chir Patol Sper** 1979 Jun;27(3):273–89 (Eng. Abstr.) **(Ita)**

[Effects of pindolol on arterial pressure and plasma renin activity in essential hypertension and in hypertension during chronic renal insufficiency] De Ferrari G, et al. **Clin Ter** 1979 Sep 15;90(5):461–8 (Eng. Abstr.) **(Ita)**

[Effect of changes of posture, beta-blocking agents and the cold pressure test on the levels of plasma renin activity (PRA) in essential hypertension with low serum renin] Del Guercio R, et al. **Clin Ter** 1980 Sep 30;94(6):627–34 (Eng. Abstr.) **(Ita)**

[Essential hypertension with low levels of plasma renin activity: effects of propranolol on aldosteronemia, plasma volume and electrolyte balance] Santucci A, et al. **Clin Ter** 1980 Aug 31;94(4):375–82 **(Ita)**

[Effects of a calcium antagonist, nifedipine, on arterial pressure and plasma renin activity in subjects with essential arterial hypertension] Santucci A, et al. **Clin Ter** 1981 Apr 30;97(2):175–82 **(Ita)**

[The behavior of the renin-angiotensin-aldosterone system in rats subject to audiogenic stress] Muraca U, et al. **Farmaco [Sci]** 1979 Apr;34(4):311–5 (Eng. Abstr.) **(Ita)**

[Significance of some changes induced in the vasoactive systems of renin and kallikrein during diuretic treatment of arterial hypertension] Covi G, et al. **G Clin Med** 1980 Feb;61(2):134–47 (Eng. Abstr.) **(Ita)**

[Relation between prolactin and the renin-angiotensin-aldosterone system] Ravaglia G, et al. **G Clin Med** 1980 Aug;61(8):611–5 (Eng. Abstr.) **(Ita)**

[Short-term effects of a treatment with methoprolol (a selective beta 1-blocking agent) in essential hypertension. Changes of haemodynamics, renin, aldosterone, sodium and potassium balance (author's transl)] Novarini A, et al. **G Ital Cardiol** 1979;9(11):1259–67 (Eng. Abstr.) **(Ita)**

[Different cardiovascular and hormonal consequences of A–V fistula in uremic patients (author's trans)] Pinelli G, et al. **G Ital Cardiol** 1980;10(5):598–604 (Eng. Abstr.) **(Ita)**

[Plasma renin activity in hypertensive subjects after posture changes and beta receptor blocking] De Cataldis G, et al. **Minerva Med** 1980 Oct 6;71(38):2765–71 (Eng. Abstr.) **(Ita)**

[Plasma renin activity: urographic and angiographic study in nephrovascular hypertension] Nami R, et al. **Minerva Med** 1980 Nov 17;71(46):3359–68 (Eng. Abstr.) **(Ita)**

[Excessive prolactinemic response to sulpiride in patients with mild essential hypertension. Index of diminished hypothalamic dopaminergic activity] Paladini G, et al. **Minerva Med** 1980 Sep 1;71(31):2229–35 (Eng. Abstr.) **(Ita)**

[Reninemia and its clinical value] Parlapiano C, et al. **Minerva Med** 1980 Sep 8;71(32):2265–72 (45 ref.) (Eng. Abstr.) **(Ita)**

[Behavior of aldosterone and plasma renin activity after ACTH administration and insulin-induced hypoglycemia in patients with essential arterial hypertension] Tosti-Croce C, et al. **Minerva Med** 1981 Mar 10;72(9):575–80 (Eng. Abstr.) **(Ita)**

[Plasma renin activity in essential arterial hypertension. Critical review of its significance] Gattiani A, et al. **Minerva Nefrol** 1980 Apr–Jun;27(2):281–8 (Eng. Abstr.) **(Ita)**

[Plasma renin and proteinuria in renovascular hypertension in the rat] Pauletto P, et al. **Minerva Nefrol** 1980 Jul–Sep; 27(3):439–46 (Eng. Abstr.) **(Ita)**

[Comparison of different methods of prorenin activation] Bagni B, et al. **Radiol Med (Torino)** 1980 Nov;66(11):865–6 **(Ita)**

[Renin and aldosterone during pregnancy (author's transl)] Motoyama S, et al. **Acta Obstet Gynaecol Jpn** 1980 Dec; 32(12):1977–85 (Eng. Abstr.) **(Jpn)**

[Improved method of radioimmunoassay for plasma renin activity in normal and low levels (author's transl)] Hamada K, et al. **Horumon To Rinsho** 1981 Jan;29(1):99–103 **(Jpn)**

[A study on the determination of plasma renin activity (Pharmacia Kit) (author's transl)] Tomiura S, et al. **Horumon To Rinsho** 1980 Aug;28(8):985–91 **(Jpn)**

[Influence of halothane anesthesia and surgery on plasma levels of aldosterone and renin activity in pediatric patients (author's transl)] Baba S, et al. **Masui** 1980 Nov; 29(12):1483–7 (Eng. Abstr.) **(Jpn)**

[Plasma renin activity in stroke-prone and -resistant spontaneously hypertensive rats: relationship to some antihypertensive drugs (author's transl)] Nakada T. **Nippon Hinyokika Gakkai Zasshi** 1981 Feb;72(2):159–65 (Eng. Abstr.) **(Jpn)**

[Measurement of deep body temperature difference after open heart surgery: correlations with hemodynamics, endogenous catecholamine and renin activity (author's transl)] Kawamura T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Feb;29(2):211–7 (Eng. Abstr.) **(Jpn)**

[Changes of renin-angiotensin system during and after surface-induced deep hypothermia for open-heart surgery (author's transl)] Kuroda T, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Feb;29(2):227–34 (Eng. Abstr.) **(Jpn)**

[An experimental study on the effects of the chronic administration of an angiotensin converting enzyme inhibitor (captopril) on blood pressure and the renin-angiotensin-aldosterone system (author's transl)] Goto A. **Nippon Naibunpi Gakkai Zasshi** 1980 Jun 20; 56(6):868–83 (Eng. Abstr.) **(Jpn)**

[The influence of age, sex, menstrual cycle and electrolyte balance on the renin-angiotensin-aldosterone system in normal subjects (author's transl)] Uezono K, et al. **Nippon Naibunpi Gakkai Zasshi** 1980;56(12):1618–29 (Eng. Abstr.) **(Jpn)**

[Evaluation of plasma renin activity in patients under chronic dialysis treatment (author's transl)] Kaneda H, et al. **Nippon Naika Gakkai Zasshi** 1979 Mar 10;68(3):276–84 **(Jpn)**

[Evaluation of the differences in responsiveness of plasma renin activity to five different stimulations in essential hypertension (author's transl)] Miyamoto Y, et al. **Nippon Naika Gakkai Zasshi** 1980 Sep 10;69(9):1090–5 **(Jpn)**

[Blood volume, plasma renin activity and plasma aldosterone concentration in patients with essential hypertension who were treated for more than ten years (author's transl)] Nakamura Y. **Nippon Naika Gakkai Zasshi** 1980 Jun 6; 69(6):714–22 **(Jpn)**

[Hyporeninemic hypoaldosteronism--Conn's syndromes] Fukuchi S. **Nippon Rinsho** 1981 Feb;39(2):374–7 **(Jpn)**

[The renin-angiotensin-aldosterone system] Tamura Y, et al. **Nippon Rinsho** 1981 Feb;39(2):280–4 **(Jpn)**

[Effect of age on active and inactive plasma renin levels in normal subjects and in patients with essential hypertension (author's transl)] Nakamaru M, et al. **Nippon Ronen Igakkai Zasshi** 1980 Sep;17(5):547–53 (Eng. Abstr.) **(Jpn)**

[Evaluation of radioimmunoassay kit using gamma-coat plasma renin activity (author's transl)] Kawazoe O, et al. **Radioisotopes** 1980 Jun;29(6):295–8 **(Jpn)**

[Determination of inactive renin by cryoactivation and its clinical application (author's transl)] Iwanaga K, et al. **Rinsho Byori** 1980;28(6):575–8 **(Jpn)**

[Effect of hypotensive drugs on plasma renin activity in primary hypertension] Zminkowska U. **Pol Tyg Lek** 1980 Aug 18;35(33):1261–4 (Eng. Abstr.) **(Pol)**

[Clinical and experimental studies of plasma renin activity and myocardial isorenin and cathepsin in ischemic cardiopathy] Haulică I, et al. **Rev Med Chir Soc Med Nat Iasi** 1980 Jul–Sep;84(3):503–7 (Eng. Abstr.) **(Rum)**

[Role of the renin-angiotensin system and prostaglandins with depressor action in the pathogenesis of late pregnancy toxicosis] Matsuganova TN. **Akush Ginekol (Mosk)** 1981 Mar;(3):25–7 (Eng. Abstr.) **(Rus)**

[Catecholamines and plasma renin activity of the Koletskii strain of rats under emotional stress] Belova TI, et al. **Biull Eksp Biol Med** 1981 Mar;91(3):265–9 (Eng. Abstr.) **(Rus)**

[Use of a radioimmunological study sequence for elucidating the role of vasopressor factors in the pathogenesis of hypertension] Gerasimov GM, et al. **Kardiologiia** 1981 Mar; 21(3):60–3 (Eng. Abstr.) **(Rus)**

[Surgical treatment of different forms of hyperaldosteronism with low renin activity in the blood plasma] Shkhvatsabaia IK, et al. **Kardiologiia** 1980;20(12):38–42 (Eng. Abstr.) **(Rus)**

[Central and renal hemodynamics in hypertension with high, normal and low renin activity in the blood plasma] Smolenskiĭ VS, et al. **Kardiologiia** 1980 Sep;20(9):14–9 (Eng. Abstr.) **(Rus)**

[Role of renin activity in establishing indications for nephrectomy] Belorosov OS, et al. **Khirurgiia (Mosk)** 1981 Mar;(3):69–72 (Eng. Abstr.) **(Rus)**

[Treatment effectiveness in renovascular hypertension depending on the indices of blood renin activity and of arterial resilient, elastic properties] Krotovskiĭ GS, et al. **Khirurgiia (Mosk)** 1981 May;(5):79–84 (Eng. Abstr.) **(Rus)**

[Renin-angiotensin system in functional failure of the kidneys in mechanical jaundice] Usvatova IIa, et al. **Khirurgiia (Mosk)** 1981 Mar;(3):76–82 (Eng. Abstr.) **(Rus)**

[Renin-angiotensin-aldosterone system in diabetes insipidus] Kirillov G, et al. **Probl Endokrinol (Mosk)** 1980 Jul–Aug; 26(4):14–8 (Eng. Abstr.) **(Rus)**

[Examination of the functional status of the hormonal system in the differential diagnosis of various forms of hyperaldosteronism] Shkhvatsabaia IK, et al. **Ter Arkh** 1980;52(8):51–6 (Eng. Abstr.) **(Rus)**

[Renin-angiotensin-aldosterone system in patients with Itsenko-Cushing syndrome treated with chloditane and large doses of reserpine] Slavnov VN, et al. **Ter Arkh** 1980; 52(8):40–3 (Eng. Abstr.) **(Rus)**

[Renin activity and plasma aldosterone content in hypertension] Valenkevich LN, et al. **Vrach Delo** 1981 May;(5):61–3 (Eng. Abstr.) **(Rus)**

[Plasma renin activity in patients with acute renal failure treated with furosemide (author's transl)] Gjurašin M. **Lijec Vjesn** 1980 Sep;102(9):483–8 (Eng. Abstr.) **(Scr)**

[Paradoxical correlation between plasma renin activity and hypotensive effect of beta-adrenergic blocking (author's transl)] Ocón Pujadas J, et al. **Med Clin (Barc)** 1980 Sep 10;75(4):145–50 (Eng. Abstr.) **(Spa)**

[Effects of halothane on the activity of plasmatic renin in the decerebrate cat] Toro MJ, et al. **Rev Esp Anestesiol Reanim** 1980 Jan;27(1):9–13 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

Components of the renin-angiotensin system in the cerebrospinal fluid of rats and dogs with special consideration of the origin and the fate of angiotensin II. Schelling P, et al. **Neuroendocrinology** 1980 Nov; 31(5):297–308

DEFICIENCY

The syndrome of hyporeninemic hypoaldosteronism. Knochel JP. **Annu Rev Med** 1979;30:145–53 (49 ref.)

Hypertension of childhood with suppressed renin. New MI, et al. **Endocr Rev** 1980 Fall;1(4):421–30 (65 ref.)

[Hyporeninemic hypoaldosteronism (letter)] Bosch Gil JA, et al. **Med Clin (Barc)** 1981 Mar 25;76(6):282 **(Spa)**

[Hyporeninemic hypoaldosteronism. Case report and attempt at pathophysiological classification (author's transl)] Cuervas-Mons V, et al. **Med Clin (Barc)** 1980 Nov 10; 75(8):342–5 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Monoclonal antibody against human renin. Simon D, et al. **J Clin Endocrinol Metab** 1981 Aug;53(2):453–5

Specific antibody to human renal renin and its cross-reactivity with inactive human plasma prorenin. Yokosawa H, et al. **Proc Soc Exp Biol Med** 1980 Sep; 164(4):466–70

ISOLATION & PURIFICATION

Purification of rat renal renin from crude kidney extracts by diaminohexamethylene-sepharose chromatography. Lauritzen E, et al. **Biochem Biophys Res Commun** 1980 Sep 30;96(2):907–14

In vivo activity of purified mouse brain renin. Speck G, et al. **Brain Res** 1981 Aug 31;219(2):371–84

Renin precursor and its activation mechanism in hog kidney. Murakami K, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:21s–24s

Detection and isolation of inactive, large molecular weight renin in human kidney and plasma. Atlas SA, et al. **Hypertension** 1981 May–Jun;3(3 Pt 2):I30–40

A rapid and large-scale isolation of renin from mouse submaxillary gland by pepstatin-aminohexyl-agarose affinity chromatography. Suzuki F, et al. **J Biochem (Tokyo)** 1981 Apr;89(4):1107–12

Isolation of renin granules from rat kidney cortex by isotonic or hyperosmotic metrizamide-sucrose gradients. Männistö PT, et al. **Prep Biochem** 1980;10(3):297–316

METABOLISM

In vitro effects of various metabolic inhibitors on the formation of inactive renin and the loss of renin in rabbit uterine tissue. Jørgensen J. **Acta Endocrinol (Copenh)** 1981 Feb;96(2):281–8

Evidence for differential localization of angiotensin-I converting enzyme and renin in the corpus striatum of rat. Fuxe K, et al. **Acta Physiol Scand** 1980 Nov;110(3):321–3

Na intake, renal renin, and the severity of myohemoglobinuric renal failure in rats. Bidani AK, et al. **Am J Physiol** 1981 Jul;241(1):F34–8

Effects of sodium intake and Goldblatt hypertension on renin release in rat kidney slices. Naftilan AJ, et al. **Am J Physiol** 1981 Jun;240(6):F501–7

New fluorogenic substrates for renin. Murakami K, et al. **Anal Biochem** 1981 Jan 1;110(1):232–9

Inhibition of hydralazine-induced renin release by indomethacin in the rat. Campbell WB, et al. **Arch Int Pharmacodyn Ther** 1980 Aug;246(2):315–23

Prostaglandins: role in renin regulation and mediation of antihypertensive drug effects. Frölich JC. **Arch Int Pharmacodyn Ther** 1980;Suppl:213–24

Plasma renin activity suppression: duration after withdrawal from beta-adrenergic blockade. Garrett BN, et al. **Arch Intern Med** 1980 Oct;140(10):1316–8

Renin substrate, active and acid-activatable renin concentrations in human plasma and endometrium during the normal menstrual cycle. Johnson IR. **Br J Obstet Gynaecol** 1980 Oct;87(10):875–82

Renin substrate, active and acid-activatable renin concentrations in human plasma and endometrium during menstrual cycles controlled by oral contraceptive preparations. Johnson IR. **Br J Obstet Gynaecol** 1980 Oct; 87(10):883–8

Effect of indomethacin on hydralazine-induced renin and catecholamine release in the conscious rabbit. Campbell WB, et al. **Br J Pharmacol** 1980;71(2):529–31

Prazosin does not alter canine renin release in response to systemic hypotension or intrarenal isoprenaline and prostaglandin I2 infusion. Gerber JG, et al. **Br J Pharmacol** 1980;71(2):533–7

Ultrastructural cytochemistry of atrial and ventricular cardiocytes of the bullfrog (Rana catesbeiana). Relationship of specific granules with reninlike activity of the myocardium. Yunge L, et al. **Can J Physiol Pharmacol** 1980 Dec;58(12):1463–76

Subcellular localization of renin in the mouse kidney. Morimoto S, et al. **Chem Pharm Bull (Tokyo)** 1981 Mar;

29(3):849–54

Renin and aldosterone in hypothyroidism: relation to excretion of sodium and potassium. Saruta T, et al. **Clin Endocrinol (Oxf)** 1980 May;12(5):483–9

Role of plasma kallikrein in the proteolytic activation of the renin–angiotensin system. Derkx FH, et al. **Clin Exp Hypertens** 1980;2(3–4):575–92

Prostaglandin and angiotensin converting enzyme inhibition: effect on blood pressure, renin activity and renal function in hemorrhaged conscious rabbits. Golub MS, et al. **Clin Exp Hypertens** 1981;3(3):477–95

Variation of plasma and kidney renin activities among substrains of spontaneously hypertensive rats. Kawashima K, et al. **Clin Exp Hypertens** 1980 Feb;2(2):229–45

Activation of plasma prekallikrein and inactive renin by puff adder venom. Morris BJ, et al. **Clin Exp Pharmacol Physiol** 1980 Sep–Oct;7(5):563–7

Prostaglandins and the renin–angiotensin axis. Lee JB. **Clin Nephrol** 1980 Oct;14(4):159–63

Dissociation of renin--aldosterone and renal prostaglandin E during volume expansion induced by immersion in normal man. Epstein M, et al. **Clin Sci** 1980 Jul;59(1):55–62

Inactive renin: an attempt at a perspective. Leckie BJ. **Clin Sci** 1981 Feb;60(2):119–30 (83 ref.)

Subcellular distribution of low- and high-molecular-weight renin and its relation to a renin inhibitor in pig renal cortex. Sagnella GA, et al. **Clin Sci** 1980 Nov;59(5):337–45

An inactive, prorenin-like substance in human kidney and plasma. Atlas SA, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:29s–33s

Identification of renin and renin-like enzymes in rat brain by a renin-specific antibody. Dzau VJ, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:45s–47s

Active and inactive renin in individual juxtaglomerular apparatuses. Gillies A, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:35s–36s

Renin in rat and mouse brain: immunohistochemical identification and localization. Inagami T, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:49s–51s

Immunochemical differences between angiotensin I-forming enzymes in man. Menard J, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:41s–44s

Interconversion between high- and low-molecular-weight forms of renin in dog kidney. Yamamoto K, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:25s–27s

Renin. Horwitz DL. **Compr Ther** 1981 May;7(5):3–4

Renin–angiotensin–aldosterone and hypertension. Kotchen TA, et al. **Endocr Rev** 1980 Winter;1(1):78–99 (400 ref.)

Prorenin and other large molecular weight forms of renin. Sealey JE, et al. **Endocr Rev** 1980 Fall;1(4):365–91 (166 ref.)

The role of renal prostaglandins in the renin response to isoproterenol in the rat in vitro. Suzuki S, et al. **Endocrinology** 1981 May;108(5):1654–7

Renin uptake by the right kidney in the rat following partial clamping of the left renal artery. Meignan M, et al. **Eur J Clin Invest** 1980 Oct;10(5):407–11

Effect of subcutaneous injections of carbuterol on renin release and water intake in the rat. Cantalamessa F, et al. **Farmaco [Sci]** 1980 Jun;35(6):465–73

Renin–angiotensin–aldosterone system in cirrhosis. Wilkinson SP, et al. **Gut** 1980 Jun;21(6):545–54

Renin in the uterus of pregnant mice. Immunocytochemical, ultrastructural and biochemical studies. Rix E, et al. **Histochemistry** 1980;68(3):253–63

Mechanism of acid–activation of renin: role of kallikrein in renin activation. Hsueh WA, et al. **Hypertension** 1981 May–Jun;3(3 Pt 2):I22–9

The substitutive role of ACTH in supporting aldosterone response to head-up tilt during acute renin suppression in patients with essential hypertension. Morganti A, et al. **Hypertension** 1979 Mar–Apr;1(2):130–5

Alterations in the responses of the sympathetic nervous system and renin in borderline hypertension. Robertson D, et al. **Hypertension** 1979 Mar–Apr;1(2):118–24

Plasma volume, osmolality, vasopressin, and renin activity during graded exercise in man. Convertino VA, et al. **J Appl Physiol** 1981 Jan;50(1):123–8

Totally inactive renin zymogen and different forms of active renin in hog brain tissues. Hirose S, et al. **J Biol Chem** 1981 Jun 10;256(11):5572–6

Effect of pindolol on blood pressure, plasma renin activity, and catecholamines in hypertensive patients. Gavras I, et al. **J Clin Pharmacol** 1981 Feb–Mar;21(2):79–83

Renin in the submaxillary gland: a review. Bing J, et al. **J Histochem Cytochem** 1980 Aug;28(8):874–80 (60 ref.)

Use of a specific antiserum for renin detection in human kidney. Camilleri JP, et al. **J Histochem Cytochem** 1980 Dec;28(12):1343–6

Multiple short-term effects of lead on the renin–angiotensin system. Goldman JM, et al. **J Lab Clin Med** 1981 Feb; 97(2):251–63

The renin–aldosterone system in cystic fibrosis. Rapaport R, et al. **J Pediatr** 1981 May;98(5):768–71

The contribution of prostaglandins to renal blood flow maintenance is determined by the level of activity of the renin–angiotensin system. Baer PG. **Life Sci** 1981 Feb 9; 28(6):587–93 (37 ref.)

Effects of continuous angiotensin I-converting enzyme blockade on blood pressure, sympathetic activity and renin–angiotensin system in stroke-prone spontaneously hypertensive rats. Lai FM, et al. **Life Sci** 1981 Mar 23; 28(12):1309–16

Prostaglandin mediation of potassium effects on renin release. Lazar JD, et al. **Life Sci** 1980 Oct 6;27(14):1327–33

Influence of streptozotocin-induced diabetes on blood pressure and on renin formation and release. Kohler L, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Sep; 313(3):257–61

Evidence that the arginine esteropeptidase (gamma) subunit of nerve growth factor can activate inactive renin. Morris BJ, et al. **Neurosci Lett** 1981 Jun 12;24(1):87–92

Tubuloglomerular feedback control in kidneys of adrenalectomized rats. Gutsche HU, et al. **Pfluegers Arch** 1980 Jul;386(1):11–9

The role of beta-1-adrenoceptors in the renin release response to graded renal sympathetic nerve stimulation. Kopp U, et al. **Pfluegers Arch** 1980 Sep;387(2):107–13

The pharmacologic alteration of renin release. Keeton TK, et al. **Pharmacol Rev** 1980 Jun;32(2):81–227 (1276 ref.)

Angiotensin II immunoreactivity coexists with renin in the juxtaglomerular granular cells of the kidney. Celio MR, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3897–900

Activation of membrane-bound kallikrein and renin in the kidney. Nishimura K, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4975–8

Studies of the functional role of the intrarenal renin–angiotensin system. Carey RM, et al. **Prog Biochem Pharmacol** 1980;17:6–13

[Effect of vasopressin on renin liberation in the rat kidney] Konrads A, et al. **Med Welt** 1980 Sep 12;31(37):1311–2 **(Ger)**

[Renin (author's transl)] Inagami T. **Tanpakushitsu Kakusan Koso** 1980;25(6):561–9 (88 ref.) **(Jpn)**

PHARMACODYNAMICS

The role of the renin–angiotensin system in mediation of adrenal catecholamine secretion in the cat induced by intrarenal beta-adrenergic stimulation. Krausz MM, et al. **Circ Res** 1980 Dec;47(6):835–9

Increased sodium appetite in adrenalectomized or hypophysectomized rats after intracranial injections of renin or angiotensin II. Avrith DB, et al. **J Endocrinol** 1980 Oct;87(1):109–12

Induction of ornithine decarboxylase by renin-free nerve growth factor. Guroff G, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4607–9

PHYSIOLOGY

Role of the renin–angiotensin system in the adaptation of aldosterone biosynthesis to sodium restriction in the rat. Tarján E, et al. **Acta Endocrinol (Copenh)** 1980 Jul; 94(3):381–8

Captopril in primary hypertension. Effects related to the renin–angiotensin–aldosterone and kallikrein–kinin systems. Ohman KP, et al. **Acta Med Scand [Suppl]** 1981;646:98–105

The renin–aldosterone system during exercise in young patients with essential hypertension. Pedersen EB, et al. **Acta Med Scand [Suppl]** 1981;646:90–93

Relationship between the postnatal development of the renin–angiotensin–aldosterone system and the electrolyte and acid–base status in the sodium chloride supplemented premature infant. Sulyok E, et al. **Acta Paediatr Acad Sci Hung** 1981;22(1–2):109–21

Function of the renin–angiotensin–aldosterone system in relation to electrolyte balance in the small-for-date neonate. Sulyok E, et al. **Acta Paediatr Acad Sci Hung** 1980; 21(2–3):153–7

Activity of the renin–angiotensin–aldosterone system in full-term newborn infants during the first week of life. Varga F, et al. **Acta Paediatr Acad Sci Hung** 1981; 22(1–2):123–30

The brain renin--angiotensin system. Ganten D, et al. **Adv Biochem Psychopharmacol** 1981;28:359–72 (48 ref.)

Is the renin system necessary? Brunner HR, et al. **Am J Med** 1980 Nov;69(5):739–45

Interaction of the prostaglandin and renin–angiotensin systems in isolated rat glomeruli. Beierwaltes WH, et al. **Am J Physiol** 1980 Dec;239(6):F602–8

Blood pressure and renal function during chronic changes in sodium intake: role of angiotensin. Hall JE, et al. **Am J Physiol** 1980 Sep;239(3):F271–80

The role of the renin–angiotensin–aldosterone system in circulatory control and hypertension. Miller ED. **Br J Anaesth** 1981 Jul;53(7):711–8 (70 ref.)

Renin–angiotensin mediation of adrenal catecholamine secretion induced by hypoglycaemia in the cat. Bumpus MF, et al. **Br J Pharmacol** 1980 Jun;69(2):201–5

Antihypertensive beta-blockade and the renin–angiotensin system. Bühler FR. **Cardiology** 1980;66 Suppl 1:12–27 (71 ref.)

Role of the intrarenal renin–angiotensin system in the control of renal function. Levens NR, et al. **Circ Res** 1981 Feb; 48(2):157–67 (102 ref.)

The effect of hemorrhagic hypotension on urinary kallikrein excretion, renin activity, and renal cortical blood flow in the pig. Maier M, et al. **Circ Res** 1981 Mar;48(3):386–92

The renin system and future trends in management of high blood pressure. Laragh JH. **Clin Exp Hypertens** 1980; 2(3–4):525–52 (39 ref.)

The renin–angiotensin system in anesthesia. Miller ED Jr. **Contemp Anesth Pract** 1980;3:19–28 (19 ref.)

The uteroplacental renin–angiotensin system in normal and hypertensive pregnancy. Pipkin FB, et al. **Contrib Nephrol** 1981;25:49–52

Prorenin and other large molecular weight forms of renin. Sealey JE, et al. **Endocr Rev** 1980 Fall;1(4):365–91 (166 ref.)

The renin–angiotensin system in thyroidectomized rats. Bouhnik J, et al. **Endocrinology** 1981 Feb;108(2):647–50

Sympathoadrenal and renin–angiotensin systems in the development of two-kidney, one clip renal hypertension in rats. Antonaccio MJ, et al. **Hypertension** 1980 Nov–Dec; 2(6):723–81

Dynamic responses of active and inactive renin in patients with essential and renovascular hypertension. Aoi W, et al. **Hypertension** 1981 Jan–Feb;3(1):126–33

Renin–angiotensin and adrenergic mechanisms in control of blood pressure in fowl. Nishimura H, et al. **Hypertension** 1981 May–Jun;3(3 Pt 2):I41–9

The renin–angiotensin–aldosterone system, antidiuretic hormone levels and water balance under tocolytic therapy with Fenoterol and Verapamil. Grospietsch G, et al. **Int J Gynaecol Obstet** 1980 May–Jun;17(6):590–5

The renin–angiotensin system and aldosterone in hypertension: a brief review of some aspects. Fraser R, et al. **Int J Obes** 1981;5 suppl 1:115–23 (44 ref.)

Role of the renin–angiotensin system in isoprenaline-induced vasopressin release. Knepel W, et al. **J Cardiovasc Pharmacol** 1980 Nov–Dec;2(6):815–24

Acute tolerance to prazosin in conscious hypertensive rats: involvement of the renin–angiotensin system. Smith RD, et al. **J Pharmacol Exp Ther** 1981 May;217(2):397–405

Influence of dietary sodium on renin angiotensin system involvement in sodium nitroprusside hypotension in conscious rats. Vollmer RR, et al. **J Pharmacol Exp Ther** 1981 Mar;216(3):580–5

Renin release after furosemide and ethacrynic acid in man. Evidence for neural reflex control mechanisms. Hummerich W, et al. **Klin Wochenschr** 1981 Jul 15; 59(14):791–5

A review of the renin–angiotensin system: historical and methodological perspectives. Moore AF. **Methods Find Exp Clin Pharmacol** 1979 Apr;1(1):23–44 (255 ref.)

Overview of the role of angiotensin inhibitors in delineating the function of the renin–angiotensin system. McCaa RE. **Prog Biochem Pharmacol** 1980;17:29–35

Angiotensin II blockade during combined thiazide–beta-blocker treatment. Ibsen H, et al. **Scand J Clin Lab Invest** 1980 Jun;40(4):325–31

Pathophysiological and clinical aspects concerning the renin–angiotensin system and the body sodium content in renal and postrenal-transplant hypertension in humans. Kornerup HJ. **Scand J Urol Nephrol [Suppl]** 1980;56:1–58 (181 ref.)

[Clinical application of renin–angiotensin system blockade in hypertension] Qian FY. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1979; 7(4):302–5 (18 ref.) **(Chi)**

[Renin–angiotensin system and hypertension (author's transl)] Yu TL. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1979; 7(1):63–7 **(Chi)**

[Renin–angiotensin system. Physiological importance. Methods and study in humans (author's transl)] Sassard M, et al. **Anesth Analg (Paris)** 1980;37(7–8):375–87 (Eng. Abstr.) **(Fre)**

[Renin–angiotensin–aldosterone system in essential hypertension. Inappropriately high plasma aldosterone in young patients with severe hypertension and in older hypertensives] Vetter H, et al. **Schweiz Med Wochenschr** 1980 Dec 13;110(50):1938–41 (Eng. Abstr.) **(Ger)**

[The converting enzyme in the renin–angiotensin system (editorial)] Dux S, et al. **Harefuah** 1980 Jun; 98(11–12):529–31 **(Heb)**

[The renin–angiotensin system. Physiopathological aspects and clinical implications of hypertensive syndromes. A survey] Molinatti GM, et al. **Minerva Med** 1981 Mar 31; 72(12):715–32 (175 ref.) (Eng. Abstr.) **(Ita)**

[Renin-dependent hypertension in a case with a giant renal artery aneurysm (author's transl)] Tsuchiya T, et al. **Nippon Jinzo Gakkai Shi** 1981 Feb;23(2):223–9 (Eng. Abstr.) **(Jpn)**

[Functional state of the renin–angiotensin system in the diuretic therapy of hypertension] Nekrasova AA, et al. **Kardiologiia** 1981 Mar;21(3):19–23 (Eng. Abstr.) **(Rus)**

[The renin–angiotensin–aldosterone system in compensated and uncompensated cardiac insufficiency] Sánchez Torres G, et al. **Arch Inst Cardiol Mex** 1981 Mar–Apr;51(2):147–52 (Eng. Abstr.) **(Spa)**

[Changes in the renin–angiotensin–aldosterone system during graduated ergometric tests in patients with essential arterial hypertension and in normal controls] Marchezotti AV, et al. **Rev Clin Esp** 1981 May 15;161(3):145–8 (Eng. Abstr.) **(Spa)**

[Effects of saralasin on 20 hypertensive patients (author's transl)] Plaza de los Reyes M, et al. **Rev Med Chil** 1980 Feb;108(2):115–20 (Eng. Abstr.) **(Spa)**

SECRETION

The role of beta receptors in the regulation of renin release. Gaál K, et al. **Acta Physiol Acad Sci Hung** 1979; 54(3):295–302

Inhibition of renin secretion by intrarenal alpha-adrenoceptor blockade. Blair ML. **Am J Physiol** 1981 Jun;240(6):E682-8
Prostaglandins and renin release in vitro. Lin CS, et al. **Am J Physiol** 1981 Jun;240(6):E609-14
Calcium in the control of renin secretion: Ca2+ influx as an inhibitory signal. Park CS, et al. **Am J Physiol** 1981 Jan;240(1):F70-4
Inappropriate renin secretion and abnormal cardiovascular reflexes in coarctation of the aorta. Warren DJ, et al. **Br Heart J** 1981 Jun;45(6):733-6
An investigation into the type of beta-adrenoceptor mediating sympathetically activated renin release in the cat. Johns EJ. **Br J Pharmacol** 1981 Jul;73(3):749-54
Propranolol in the treatment of renin-mediated hypertension. Bhagat BD, et al. **Can J Physiol Pharmacol** 1980 Aug; 58(8):889-95
Maintenance of blood pressure by beta adrenoceptor mediated renin release during different forms of anesthesia in rats. Leenen FH, et al. **Can J Physiol Pharmacol** 1981 Apr;59(4):364-70
Stimulus-secretion coupling of renin. Role of hemodynamic and other factors. Fray JC. **Circ Res** 1980 Oct;47(4):485-92 (95 ref.)
Renal prostaglandins, renin release, and renal hemodynamic function in high renin states. Davis JO, et al. **Clin Exp Hypertens** 1980;2(3-4):563-73
Reduced responses of renin release to three different stimuli in essential hypertensive patients of stage II (WHO stage classification). Kokubu T, et al. **Clin Exp Hypertens** 1980 Feb;2(2):183-96
Dopaminergic modulation of renin release. Sowers JR, et al. **Clin Exp Hypertens** 1981;3(1):15-25
Renin secretion and renal vascular resistance following prolonged administration of desoxycorticosterone (DOC) in rats drinking normal saline. Vandongen R, et al. **Clin Exp Pharmacol Physiol** 1980 Jul;7(4):391-8
Influence of indomethacin on the natriuretic and renin-stimulating effect of bumetanide in essential hypertension. Pedrinelli R, et al. **Clin Pharmacol Ther** 1980 Dec;28(6):722-31
Renin release during head-up tilt occurs independently of sympathetic nervous activity in tetraplegic man. Mathias CJ, et al. **Clin Sci** 1980 Oct;59(4):251-6
Renin and aldosterone release during sympathetic stimulation in tetraplegia. Mathias CJ, et al. **Clin Sci** 1981 Apr; 60(4):399-404
Intrarenal conversion of prostaglandin F2 alpha into prostaglandin E2 and renin release in the isolated perfused rat kidney. Schwertschlag U, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:117s-119s
Release of active and inactive renin by the pig kidney during development. Bailie MD, et al. **Dev Pharmacol Ther** 1980; 1(1):47-57
Dopaminergic modulation of aldosterone secretion is independent of alterations in renin secretion. Sowers JR, et al. **Endocrinology** 1980 Oct;107(4):937-41
Effects of rat urinary arginine esterases on rat kidney to release renin. Suzuki S, et al. **Endocrinology** 1981 May; 108(5):1639-42
Neuroendocrine components in the regulation of blood pressure and renin secretion. Ganong WF, et al. **Hypertension** 1979 May-Jun;1(3):207-18 (114 ref.)
Responses of juxtaglomerular cell suspensions to various stimuli. Khayat A, et al. **Hypertension** 1981 Mar-Apr; 3(2):157-67
Direct action of kallikrein and other proteases on the renin-angiotensin system. Suzuki S, et al. **Hypertension** 1981 May-Jun;3(3 Pt 2):I13-7
Renin-secreting tumor. Case report. Valdés G, et al. **Hypertension** 1980 Sep-Oct;2(5):714-8
Direct action of rat urinary kallikrein on rat kidney to release renin. Suzuki S, et al. **J Clin Invest** 1980 Oct;66(4):757-62
Factors determining electrolyte excretion and renin secretion after closure of an arteriovenous fistula in the dog. Humphreys MH, et al. **J Lab Clin Med** 1981 Jul;98(1):89-98
6-Keto-prostaglandin E1 is more potent than prostaglandin I2 as a renal vasodilator and renin secretagogue. Jackson EK, et al. **J Pharmacol Exp Ther** 1981 Jan;216(1):24-7
Phenytoin, renal function and renin release. Migdal SD, et al. **J Pharmacol Exp Ther** 1980 Nov;215(2):304-8
Beta-1 receptor mediation of renin secretion elicited by low-frequency renal nerve stimulation. Osborn JL, et al. **J Pharmacol Exp Ther** 1981 Feb;216(2):265-9
Renin release from isolated rat glomeruli: seasonal variations and effects of D600 on the response to calcium deprivation. Baumbach L, et al. **J Physiol (Lond)** 1981 Jan;310:285-92
Effect of D-600 on inhibition of in vitro renin release in the rat by high extracellular potassium and angiotensin II. Churchill PC. **J Physiol (Lond)** 1980 Jul;304:449-58
Mechanism by which renin secretion from perfused rat kidneys is stimulated by isoprenaline and inhibited by high perfusion pressure. Fray JC. **J Physiol (Lond)** 1980 Nov; 308:1-13
Studies on the mechanism of renin release from rat kidney slices: calcium, sodium and metabolic inhibition. Lyons HJ. **J Physiol (Lond)** 1980 Jul;304:99-108
Effects of prostaglandin I2 and E2 on renal hemodynamics and function and renin release. Imanishi M, et al. **Jpn Circ J** 1980 Nov;44(11):875-82
Renin dependent hypertension by dissecting aortic aneurysm. A case report. Noda Y, et al. **Jpn Heart J** 1981 Mar; 22(2):281-6
Effects of prostaglandin E2, I2 and F2 alpha on systemic and renal hemodynamics, renal function and renin secretion in anesthetized dogs. Hashimoto T. **Jpn J Pharmacol** 1980 Apr;30(2):173-86
Interrelationship between prostaglandins and renin release. Gerber JG, et al. **Kidney Int** 1981 Jun;19(6):816-21 (29 ref.)
Role of prostaglandins in renin secretion. Henrich WL. **Kidney Int** 1981 Jun;19(6):822-30 (52 ref.)
Effects of papaverine on basal and on isoproterenol-stimulated renin secretion from rat kidney slices. Churchill PC, et al. **Life Sci** 1980 Oct 6; 27(14):1299-305
Central and hormonal regulation of renin release by baboon kidneys. Brooks VL, et al. **Proc Soc Exp Biol Med** 1980 Oct;165(1):147-50
The renin-angiotensin system and renal prostaglandin E2 release in dogs. Okahara T, et al. **Proc Soc Exp Biol Med** 1981 Jan;166(1):57-63
Role of prostaglandins, beta-adrenoceptors, and the central nervous system in the control of renin release in conscious sodium-depleted rats. Schiffrin EL, et al. **Proc Soc Exp Biol Med** 1980 Oct;165(1):151-4
Influence of adrenergic nervous system on vasodilator-induced renin release in the conscious rat. Sinaiko AR. **Proc Soc Exp Biol Med** 1981 May;167(1):25-9
Direct action of prostaglandins on renin release from rat renal cortical slices. Suzuki S, et al. **Proc Soc Exp Biol Med** 1981 Apr;166(4):484-8
Prostaglandins and renin release studies in the isolated perfused rat kidney. Hackenthal E, et al. **Prog Biochem Pharmacol** 1980;17:98-107
The effect of orthostatism, passive tilting and recumbent exercise on renin release. García del Río C, et al. **Rev Esp Fisiol** 1980 Sep;36(3):237-41
[Antidiuretic hormone, the renin-angiotensin system and anesthesia] Philbin DM, et al. **Ann Anesthesiol Fr** 1980; 21(5):499-505 (61 ref.) (Eng. Abstr.) **(Fre)**
[Methodology of renal vein renin study: comparison between simultaneous and sequential sampling (author's transl)] Glorioso N, et al. **G Ital Cardiol** 1980;10(9):1186-91 (Eng. Abstr.) **(Ita)**
[Malignant renovascular hypertension caused by intraparenchymal anomalies of the left renal artery with lack of contralateral renin suppression. Cure by nephrectomy] Calvani M, et al. **Minerva Pediatr** 1979 Dec 15;31(23):1711-20 (Eng. Abstr.) **(Ita)**
[Remarkable hypotensive effect of converting enzyme inhibitor on a possible case of renin producing neoplasm] Sawamura A, et al. **Nippon Rinsho** 1981 Mar;39(3):689-93 **(Jpn)**
[Interaction of catecholamines and the renin-angiotensin system in regulating sodium reabsorption in the rat kidney] Lebedev AA, et al. **Farmakol Toksikol** 1980 Nov-Dec; 43(6):693-6 (Eng. Abstr.) **(Rus)**
[Renin secretion by rat and rabbit kidneys under the influence of prostaglandins] Markov KhM, et al. **Patol Fiziol Eksp Ter** 1980;(4):11-4 (Eng. Abstr.) **(Rus)**
[Effect of sub-pressor doses of dopamine on renin secretion in the anesthetized dog] Posadas C, et al. **Arch Inst Cardiol Mex** 1981 Jan-Feb;51(1):13-9 (Eng. Abstr.) **(Spa)**
[Plasma renin activity, arterial blood pressure and response to beta-adrenergic blockade: a non-demostrated correlation. Practical view points (author's transl)] Ocón Pujadas J, et al. **Med Clin (Barc)** 1980 Sep 25;75(5):190-5 (Eng. Abstr.) **(Spa)**
[Changes in the renin-angiotensin-aldosterone system during open heart surgery. I. Factors involved in renin secretion] Pérez Reiner R, et al. **Rev Med Univ Navarra** 1979 Dec; 23(4):45-9 **(Spa)**

STANDARDS

Proteinase activity of human renin preparations: the International Reference Preparation (Renin Standard 68/356). Pourmotabbed G, et al. **Clin Sci** 1981 Jun; 60(6):633-7

TOXICITY

The pathogenesis of small arterial lesions in nephrectomized rats by the administration of renin. Kai M, et al. **Br J Exp Pathol** 1981 Apr;62(2):136-41

RENNIN

METABOLISM

Peptide substrates for chymosin (rennin). Isolation and substrate behaviour of two tryptic fragments of bovine kappa casein. Visser S, et al. **Eur J Biochem** 1980 Jul; 108(2):415-21
Susceptibility of soluble and matrix fibronectins to degradation by tissue proteinases, mast cell chymase and cathepsin G. Vartio T, et al. **J Biol Chem** 1981 Jan 10; 256(1):471-7

PHARMACODYNAMICS

Specific action of milk-clotting enzymes on water buffalo caseins. I. Effect of chymosin on beta-casein. Addeo F, et al. **J Dairy Res** 1980 Oct;47(3):421-6

SECRETION

Cell association of complexes of chymase, heparin proteoglycan, and protein after degranulation by rat mast cells. Schwartz LB, et al. **J Immunol** 1981 Jun; 126(6):2071-8

RENOGRAPHY see **RADIOISOTOPE RENOGRAPHY**

REOVIRIDAE

Gastroenteritis with special reference to rotavirus. Hodes HL. **Adv Pediatr** 1980;27:195-245
Rotavirus infection in foals. Conner ME, et al. **Am J Vet Res** 1980 Oct;41(10):1699-703
Pathogenesis of rotaviral enteritis in gnotobiotic pigs: a microscopic study. McAdaragh JP, et al. **Am J Vet Res** 1980 Oct;41(10):1572-81
Oral rehydration therapy for treatment of rotavirus diarrhoea in a rural treatment centre in Bangladesh. Taylor PR, et al. **Arch Dis Child** 1980 May;55(5):376-9
Rotavirus. II. Viruses associated with acute gastroenteritis in children. Ruiz-Gómez J, et al. **Arch Invest Med (Mex)** 1981;12(1):133-40 **(Eng, Spa)**
Diagnosis of human rotavirus infections: comparison of an electrophoretic method, a modified complement fixation test and electron microscopy for rotavirus detection. Clementi M, et al. **Arch Virol** 1981;67(4):341-4
Escherichia coli and rotavirus infections in four-week-old gnotobiotic piglets fed milk or dry food. Tzipori S, et al. **Aust Vet J** 1980 Jun;56(6):279-84
Epidemiology of acute gastroenteritis in early childhood in Kenya. V. An inverse relationship between the peak age-incidence and the waning of rotavirus maternal antibodies. Mutanda LN. **East Afr Med J** 1980 Aug; 57(8):545-8
Changes of the rotavirus concentration in faeces during the course of acute gastroenteritis as determined by the immune adherence hemagglutination test. Nagayoshi S, et al. **Eur J Pediatr** 1980 Aug;134(2):99-102
Attachment of SA-11 rotavirus to erythrocyte receptors. Bastardo JW, et al. **Infect Immun** 1980 Sep;29(3):1134-40
Binding of wheat germ ribosomes to bisulfite-modified reovirus messenger RNA: evidence for a scanning mechanism. Kozak M. **J Mol Biol** 1980 Dec 15; 144(3):291-304
[Pediatric aspects of acute infectious diarrhea] de Mol P. **Acta Gastroenterol Belg** 1979 Nov-Dec;42(11-12):509-14 **(Fre)**
[Serodiagnosis of rotavirus infections in gastroenteritis of infants] Dei R, et al. **Boll Ist Sieroter Milan** 1980 May 31;59(2):159-65 (Eng. Abstr.) **(Ita)**
[Seroepidemiologic survey of the spread of rotavirus infection in a Milan population] Ferrante P, et al. **Boll Ist Sieroter Milan** 1980 May 31;59(2):126-32 (Eng. Abstr.) **(Ita)**
[Complement fixation test in the identification of human rotavirus] Candeias JA, et al. **Rev Saude Publica** 1980 Sep; 14(3):420-4 (Eng. Abstr.) **(Por)**

ANALYSIS

Infectious bursal disease virus: further characterization with evidence for a single-stranded RNA virus. Cho BR, et al. **Avian Dis** 1980 Apr-Jun;24(2):423-34
Immunofluorescent detection of double-stranded RNA in cells infected with reovirus, infectious pancreatic necrosis virus, and infectious bursal disease virus. Macdonald RD. **Can J Microbiol** 1980 Feb;26(2):256-61
Comparison of human rotaviruses isolated in Mexico City and in Santiago, Chile, by electrophoretic migration of their double-stranded ribonucleic acid genome segments. Espejo RT, et al. **Infect Immun** 1980 Nov;30(2):342-8
Detection of rotavirus in faeces by latex agglutination. Sanekata T, et al. **J Immunol Methods** 1981;41(3):377-85
Structural polypeptides of simian rotavirus SA11 and the effect of trypsin. Espejo RT, et al. **J Virol** 1981 Jan; 37(1):156-60
Tryptic peptide analysis of outer capsid polypeptides of mammalian reovirus serotypes 1, 2, and 3. Gentsch JR, et al. **J Virol** 1981 Apr;38(1):208-18
Binding of wheat germ ribosomes to fragmented viral mRNA. Kozak M. **J Virol** 1980 Sep;35(3):748-56
Subunit structure of the reovirus spike. Ralph SJ, et al. **J Virol** 1980 Dec;36(3):894-6
The nucleic acid and proteins of epizootic haemorrhagic disease virus. Huismans H, et al. **Onderstepoort J Vet Res** 1979 Jun;46(2):95-104
Further characterization of the t-s mutant F207 of bluetongue virus. Shipham S. **Onderstepoort J Vet Res** 1979 Dec; 46(4):207-10
Biophysical studies of reovirus type 3. IV. Low-angle x-ray diffraction studies. Harvey JD, et al. **Virology** 1981 Jul 15; 112(1):240-9

CLASSIFICATION

Rotavirus serotypes by serum neutralisation. Beards GM, et al. **J Med Virol** 1980;5(3):231-7
Human rotavirus serotypes [letter] Zissis G, et al. **Lancet** 1981 Apr 25;1(8226):944-5

DRUG EFFECTS

Proteolytic enzymes and rotavirus SA-11 plaque formation.

Ramia S, et al. **Can J Comp Med** 1980 Apr;44(2):232-5
The role of trypsin in plaque formation by simian rotavirus SA-11. Ramia S, et al. **Can J Comp Med** 1980 Oct; 44(4):433-9
Inactivation of a rotavirus by disinfectants. Tan JA, et al. **Med J Aust** 1981 Jan 10;1(1):19-23
Mechanism of interferon action. Interferon-mediated inhibition of reovirus mRNA translation in the absence of detectable mRNA degradation but in the presence of protein phosphorylation. Miyamoto NG, et al. **Virology** 1980 Dec;107(2):461-475

ENZYMOLOGY

Excess synthesis of viral mRNA 5-terminal oligonucleotides by reovirus transcriptase. Yamakawa M, et al. **J Biol Chem** 1981 Jun 25;256(12):6507-14
Poly(A) polymerase activity in human rotavirus. Gorziglia M, et al. **J Gen Virol** 1981 Apr;53(Pt 2):357-62
Characterization of RNA polymerase products of Nebraska calf diarrhea virus and SA11 rotavirus. Bernstein JM, et al. **J Virol** 1981 Mar;37(3):1071-4
Small reovirus-specific particle with polycytidylate-dependent RNA polymerase activity. Gomatos PJ, et al. **J Virol** 1980 Nov;36(2):556-65
Reovirus enzymes that modify messenger RNA are inhibition by perturbation of the lambda proteins. Morgan EM, et al. **Virology** 1981 Sep;113(2):565-72

GENETICS

The structure and function of the reovirus genome. Joklik WK. **Ann NY Acad Sci** 1980;354:107-24 (73 ref.)
Stability of non-polyadenylated viral mRNAs injected into frog oocytes. McCrae MA, et al. **Eur J Biochem** 1981 Jun 1;116(3):467-70
Variation in human rotavirus electropherotypes occurring between rotavirus gastroenteritis epidemics in central Australia. Schnagl RD, et al. **Infect Immun** 1981 Jul; 33(1):17-21
In vitro translation in reovirus- and poliovirus-infected cell extracts. Effects of anti-cap binding protein monoclonal antibody. Sonenberg N, et al. **J Biol Chem** 1981 May 10; 256(9):4138-41
Molecular epidemiology of human rotaviruses in Melbourne, Australia, from 1973 to 1979, as determined by electrophoresis of genome ribonucleic acid. Rodger SM, et al. **J Clin Microbiol** 1981 Feb;13(2):272-8
Molecular basis of reovirus virulence. Role of the M2 gene. Rubin DH, et al. **J Exp Med** 1980 Oct 1;152(4):853-68
Gene-coding assignments of rotavirus double-stranded RNA segments 10 and 11. Dyall-Smith ML, et al. **J Virol** 1981 Jun;38(3):1099-103
Reovirus inhibition of cellular DNA synthesis: role of the S1 gene. Sharpe AH, et al. **J Virol** 1981 Apr;38(1):389-92
A rapid and sensitive method for analysing the genome profiles of field isolates of rotavirus. Clarke IN, et al. **J Virol Methods** 1981 Mar;2(4):203-9
Genetic and physiological characterization of temperature-sensitive mutants of bluetongue virus. Shipham SO, et al. **Onderstepoort J Vet Res** 1979 Jun; 46(2):87-94
Reassortment of genome segments between reovirus defective interfering particles and infectious virus: construction of temperature-sensitive and attenuated viruses by rescue of mutations from DI particles. Ahmed R, et al. **Virology** 1981 Jun;111(2):351-63
Genes of human (strain Wa) and bovine (strain UK) rotaviruses that code for neutralization and subgroup antigens. Kalica AR, et al. **Virology** 1981 Jul 30; 112(2):385-90
Genome of Colorado tick fever virus. Knudson DL. **Virology** 1981 Jul 15;112(1):361-4
Nature of the 3'-terminal sequences of the plus and minus strands of the S1 gene of reovirus serotypes 1, 2 and 3. Li JK, et al. **Virology** 1980 Aug;105(1):41-51
The plus strand of reovirus gene S2 is identical with its in vitro transcript. Li JK, et al. **Virology** 1980 Aug; 105(1):282-6

GROWTH & DEVELOPMENT

Thermal inactivation of infectious hematopoietic necrosis and infectious pancreatic necrosis viruses. Gosting LH, et al. **Appl Environ Microbiol** 1981 Apr;41(4):1081-2
Uptake and survival of enteric viruses in the blue crab, Callinectes sapidus. Hejkal TW, et al. **Appl Environ Microbiol** 1981 Jan;41(1):207-11
Establishment of rotavirus persistent infection in cell culture. Brief report. Estes MK, et al. **Arch Virol** 1980;65(2):187-92
Enhanced production of infectious rotavirus in BSC-1 cell cultures by various factors in the presence of absence of trypsin. Begin ME. **J Gen Virol** 1980 Dec;51(Pt 2):263-70
Rescue of noncultivatable human rotavirus by gene reassortment during mixed infection with ts mutants of a cultivatable bovine rotavirus. Greenberg HB, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):420-4
[Replication of an isolate of human rotavirus on human cells cultured in vitro: observation by electron microscopy] Roseto A, et al. **C R Acad Sci [D] (Paris)** 1981 Jan 12; 292(2):187-90 (Eng. Abstr.) **(Fre)**
[IPN virus persistently infected fish cells: studies on growth rates of the cells and on the replication of egtvedvirus (author's transl)] Ahne W. **Zentralbl Bakteriol [A]** 1980 Mar;246(3):304-7 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

An outbreak of rotavirus diarrhea among a nonimmune, isolated South American Indian community. Linhares AC, et al. **Am J Epidemiol** 1981 Jun;113(6):703-10
Rotavirus antibody in chickens as measured by enzyme-linked immunosorbent blocking assay. Bartz CR, et al. **Am J Vet Res** 1980 Jun;41(6):969-71
Distribution of antibodies to rotavirus in serum and lacteal secretions of naturally infected swine and their suckling pigs. Hess RG, et al. **Am J Vet Res** 1981 Jul;42(7):1149-52
Enzyme-linked immunosorbent assay for detection of bluetongue virus antibodies. Hübschle OJ, et al. **Am J Vet Res** 1981 Jan;42(1):61-5
Rotavirus. I. Hemagglutination and complement fixation inhibitor antibodies in individuals of Mexico city. Ruiz-Gómez J, et al. **Arch Invest Med (Mex)** 1981; 12(1):121-31 **(Eng, Spa)**
Single radial haemolysis for the determination of antibody to reoviruses. D'Ambrosio E, et al. **Arch Virol** 1981; 68(3-4):309-12
A serological survey for bluetongue virus antibody in Western Australia. Coackley W, et al. **Aust Vet J** 1980 Oct;56(10):487-91
The natural prevalence of antibodies to infectious bursal disease in Australian poultry flocks [letter] Dennett DP, et al. **Aust Vet J** 1980 Feb;56(2):94-5
The distribution of naturally acquired antibodies against infectious bursal disease virus in Victoria [letter] Reece RL, et al. **Aust Vet J** 1981 Apr;57(4):201-2
Antibodies to infectious bursal disease virus in poultry flocks in Western Australia [letter] Wilcox GE, et al. **Aust Vet J** 1980 Sep;56(9):459-60
The detrimental effect of vaccinating parentally immune broilers with a modified liver virus vaccine for infectious bursal disease. Henry CW, et al. **Avian Dis** 1980 Oct-Dec; 24(4):1021-6
Field studies with convalescent serum and infectious bursal disease vaccine to control turkey coryza. Johnson DC, et al. **Avian Dis** 1980 Apr-Jun;24(2):386-92
An indirect enzyme-linked immunosorbent assay (ELISA) for measuring antibodies in chickens infected with infectious bursal disease virus. Marquardt WW, et al. **Avian Dis** 1980 Apr-Jun;24(2):375-85
Onset of progeny immunity against viral arthritis/tenosynovitis after experimental vaccination of parent breeder chickens and cross-immunity against six reovirus isolates. Rau WE, et al. **Avian Dis** 1980 Jul-Sep; 24(3):648-57
Immune profile of infectious bursal disease (IBD). II. Effect of IBD virus on pokeweed-mitogen-stimulated peripheral blood lymphocytes of chickens. Sivanandan V, et al. **Avian Dis** 1980 Jul-Sep;24(3):734-42
Immune profile of infectious bursal disease: I. Effect of infectious bursal disease virus on peripheral blood T and B lymphocytes of chickens. Sivanandan V, et al. **Avian Dis** 1980 Jul-Sep;24(3):715-25
Improved performance of progeny of broiler parent chickens vaccinated with infectious bursal disease oil-emulsion vaccine. Wyeth PJ, et al. **Avian Dis** 1981 Jan-Mar; 25(1):228-41
Neonatal bovine enteritis: detection of rotavirus by counterimmunoelectrophoresis and enzyme-linked immunosorbent assay. Ekern LJ, et al. **Can J Comp Med** 1981 Apr;45(2):135-9
Diagnosis of rotavirus, adenovirus, and herpesvirus infections by immune electron microscopy using a serum-in-agar diffusion method. Lamontagne L, et al. **Can J Microbiol** 1980 Feb;26(2):261-4
Prevalence of reovirus 1, 2 and 3 antibodies in Ontario racehorses. Sturm RT, et al. **Can Vet J** 1980 Jul;21(7):206-9
Non bacterial gastroenteritis. Steinhoff MC, et al. **Indian J Pediatr** 1980 Jul-Aug;47(387):317-20
Development of immunity to porcine rotavirus in piglets protected from disease by bovine colostrum. Bridger JC, et al. **Infect Immun** 1981 Mar;31(3):906-10
Detection of antirotavirus immunoglobulins A, G, and M in swine colostrum, milk, and feces by enzyme-linked immunosorbent assay. Corthier G, et al. **Infect Immun** 1981 Feb;31(2):833-6
Type-specific reovirus antiserum blocks the cytotoxic T-cell-target cell interaction: evidence for the association of the viral hemagglutinin of a nonenveloped virus with the cell surface. Finberg R, et al. **Infect Immun** 1981 Feb; 31(2):646-9
Traveler's diarrhea associated with rotavirus infection: analysis of virus-specific immunoglobulin classes. Sheridan JF, et al. **Infect Immun** 1981 Jan;31(1):419-29
Survey for antibodies to viruses of bovine virus diarrhea, bluetongue, and epizootic hemorrhagic disease in hunter-killed mule deer in New Mexico. Couvillion CE, et al. **J Am Vet Med Assoc** 1980 Nov 1;177(9):790-1
Measurement of immunoglobulin A, G, and M class rotavirus antibodies in serum and mucosal secretions. McLean B, et al. **J Clin Microbiol** 1980 Sep;12(3):314-9
Transfer of antirotaviral antibodies from mothers to their infants. McLean B, et al. **J Clin Microbiol** 1980 Sep; 12(3):320-5
Effects of antibodies, trypsin, and trypsin inhibitors on susceptibility of neonates to rotavirus infection. McLean BS, et al. **J Clin Microbiol** 1981 Jan;13(1):22-9
Human rotavirus antigen detection by enzyme-immunoassay with antisera against Nebraska calf diarrhoea virus. Sarkkinen HK. **J Clin Pathol** 1981 Jun;34(6):680-5
Investigation of immunoperoxidase-labelled rotavirus in tissue culture by light and electron microscopy. Chasey D. **J Gen Virol** 1980 Sep;50(1):195-200
Interaction of reovirus with cell surface receptors. II. Generation of suppressor T cells by the hemagglutinin of reovirus type 3. Fontana A, et al. **J Immunol** 1980 Dec; 125(6):2660-4
Comparison of enzyme-immunoassay and radioimmunoassay for detection of human rotaviruses and adenoviruses from stool specimens. Sarkkinen HK, et al. **J Virol Methods** 1980; 1(6):331-41
Fish viruses serologic comparison of the golden shiner and infectious pancreatic necrosis viruses. Schwedler TE, et al. **J Wildl Dis** 1980 Oct;16(4):597-9
Comparison of alkaline phosphatase and horseradish peroxidase conjugated antisera in the ELISA test for antibodies to reovirus 3, mouse hepatitis and Sendai viruses. Carthew P, et al. **Lab Anim** 1981 Jan;15(1):69-73
Coproantibody response to rotavirus infection. Sonza S, et al. **Med J Aust** 1980 Nov 1;2(9):496-9
Serological relationship between Japanese strains of reovirus of bovine origin and type 2 reovirus strains. Kurogi H, et al. **Natl Inst Anim Health Q (Tokyo)** 1980 Spring; 20(1):32-3
Factors affecting the bluetongue virus neutralizing antibody response and the reaction between virus and antibody. van der Walt NT. **Onderstepoort J Vet Res** 1979 Jun; 46(2):111-6
A haemagglutination and haemagglutination inhibition test for bluetongue virus. van der Walt NT. **Onderstepoort J Vet Res** 1980 Jun;47(2):113-7
Comparison of inactivated and live infectious bursal disease virus vaccines in White Leghorn breeder flock. Eidson CS, et al. **Poult Sci** 1980 Dec;59(12):2708-16
Ubiquity of infectious bursal disease in East Texas backyard flocks. Millar DL, et al. **Poult Sci** 1980 AUG;59(8):1949-50
The current status of research on an experimental inactivated bluetongue virus vaccine. Stott JL, et al. **Proc Annu Meet US Anim Health Assoc** 1979;(83):55-62
Approaches to immunization of infants and young children against gastroenteritis due to rotaviruses. Kapikian AZ, et al. **Rev Infect Dis** 1980 May-Jun;2(3):459-69 (56 ref.)
Antigenic types of bluetongue virus prevalent in Egypt. Hafez SM, et al. **Trop Anim Health Prod** 1981 Feb; 13(1):49-54
Immune responses of breeding chickens to trivalent oil emulsion vaccines: responses to Newcastle disease and infectious bursal disease. Wyeth PJ, et al. **Vet Rec** 1981 Jan 24;108(4):72-5
The antigenic determinants of most of the proteins coded by the three serotypes of reovirus are highly conserved during evolution. Gaillard RK, et al. **Virology** 1980 Dec; 107(2):533-6
The interaction of a series of hybridoma IgGs with reovirus particles. Demonstration that the core protein lambda 2 is exposed on the particle surface. Hayes EC, et al. **Virology** 1981 Jan 15;108(1):147-55
Protein sigma 1 is the reovirus cell attachment protein. Lee PW, et al. **Virology** 1981 Jan 15;108(1):156-63
Characterization of anti-reovirus immunoglobulins secreted by cloned hybridoma cell lines. Lee PW, et al. **Virology** 1981 Jan 15;108(1):134-46
[Detection of rotavirus antigens and antibodies by immunoelectro-osmophoresis] Yonkova VA, et al. **Virologie** 1981 Apr-Jun;32(2):161-3 **(Fre)**
[Antibodies to rotavirus in human milk (author's transl)] Maass G, et al. **Zentralbl Bakteriol [A]** 1980 Mar; 246(3):294-303 (Eng. Abstr.) **(Ger)**
[High interferonogenic activity Okhotsk orbivirus in lymphoid cells] Novokhatskii AS, et al. **Vopr Virusol** 1980 Jan-Feb;(1):79-81 **(Rus)**

ISOLATION & PURIFICATION

Longitudinal study on rotaviruses in stool samples during the first year of life. Pattyn SR, et al. **Acta Clin Belg** 1980; 35(2):116
A prospective clinical study of rotavirus diarrhoea in young children. Mäki M. **Acta Paediatr Scand** 1981 Jan; 70(1):107-13
Detection of porcine rotavirus by EM, ELISA and CIET. Askaa J, et al. **Acta Vet Scand** 1981;22(1):32-8
The ecology of Colorado tick fever in Rocky Mountain National Park in 1974. II. Infection in small mammals. Bowen GS, et al. **Am J Trop Med Hyg** 1981 Mar; 30(2):490-6
Epizootic hemorrhagic disease virus in Montana: isolation and serologic survey. Feldner TJ, et al. **Am J Vet Res** 1981 Jul;42(7):1198-202
Isolation of a rotavirus from a newborn dog with diarrhea. Fulton RW, et al. **Am J Vet Res** 1981 May;42(5):841-3
Isolation of pig rotavirus in France. Identification and experimental infections. Corthier G, et al. **Ann Rech Vet** 1980;11(1):45-8
Extraction of rotavirus from human feces by treatment with lithium dodecyl sulfate. Croxson MC, et al. **Appl Environ Microbiol** 1981 Jan;41(1):255-60
One-year survey of enteroviruses, adenoviruses, and reoviruses isolated from effluent at an activated-sludge purification plant. Irving LG, et al.

Appl Environ Microbiol 1981 Jan;41(1):51–9

Rotavirus concentration from cell culture harvests: trypsin treatment followed by hydroextraction. Ramia S, et al. **Appl Environ Microbiol** 1980 Dec;40(6):1133–5

Electron microscopy detection and characterization of viral particles in dog stools. Roseto A, et al. **Arch Virol** 1980; 66(2):89–93

The isolation of two bluetongue viruses from healthy cattle in Australia [letter] St George TD, et al. **Aust Vet J** 1980 Nov;56(11):562–3

Rotavirus in newborn nurseries: negative results from Honolulu and the New Hebrides. Dean AG, et al. **Hawaii Med J** 1980 Jul;39(7):170–1

Comparison of direct electron microscopy, immune electron microscopy, and rotavirus enzyme-linked immunosorbent assay for detection of gastroenteritis viruses in children. Brandt CD, et al. **J Clin Microbiol** 1981 May;13(5):976–81

Frequency of preclumped virus in routine fecal specimens from patients with acute nonbacterial gastroenteritis. Narang HK, et al. **J Clin Microbiol** 1981 May;13(5):982–8

Detection of rotavirus by serological trapping on antibody-coated electron microscope grids. Nicolaieff A, et al. **J Clin Microbiol** 1980 Jul;12(1):101–4

Rotavirus-like, calicivirus-like, and 23-nm virus-like particles associated with diarrhea in young pigs. Saif LJ, et al. **J Clin Microbiol** 1980 Jul;12(1):105–11

Optimized enzyme-linked immunosorbent assay for detection of human and bovine rotavirus in stools: Comparison with electron-microscopy, immunoelectro-osmophoresis, and fluorescent antibody techniques. Grauballe PC, et al. **J Med Virol** 1981;7(1):29–40

Diarrhea caused by Shigella, rotavirus, and Giardia in day-care centers: prospective study. Pickering LK, et al. **J Pediatr** 1981 Jul;99(1):51–6

Role of enteric adenoviruses and rotaviruses in infantile gastroenteritis [letter] Dowling JM, et al. **Lancet** 1981 Aug 8;2(8241):305–6

Rotavirus infection in young children in the highlands of Papua New Guinea. Shann FA, et al. **Med J Aust** 1980 Aug 9;2(3):153–4

Exanthem subitum not associated with rotavirus [letter] Gurwith M, et al. **N Engl J Med** 1981 Jul 16;305(3):174–5

Exanthem subitum and rotavirus [letter] Saitoh Y, et al. **N Engl J Med** 1981 Apr 2;304(14):845

Rotavirus detection for the routine laboratory. Schousboe M, et al. **NZ Med J** 1981 Feb 25;93(678):113–5

Viruses isolated from Culicoides midges in South Africa during unsuccessful attempts to isolate bovine ephemeral fever virus. Theodoridis A, et al. **Onderstepoort J Vet Res** 1979 Dec;46(4):191–8

The isolation and cultivation of calf rotavirus in the Republic of South Africa. Theodoridis A, et al. **Onderstepoort J Vet Res** 1979 Jun;46(2):65–9

Rotavirus in diarrhoeic calves in Iran. Afshar A, et al. **Vet Rec** 1979 Oct 27;105(17):400

Failure to isolate rotavirus from bovine meconium. Dagenais L, et al. **Vet Rec** 1981 Jan 3;108(1):11–3

Cryptosporidia associated with rotavirus and an Escherichia coli in an outbreak of calf scour. Snodgrass DR, et al. **Vet Rec** 1980 May 31;106(22):458–60 (7 ref.)

Isolation of infectious bronchitis, infectious bursal disease and avian adenoviruses from chickens with nephritis–nephrosis syndrome. Chandra M, et al. **Zentralbl Veterinaermed [B]** 1980;27(5):352–9

[Isolation of orbiviruses from the Kemerovo complex in the tick Ixodes ricinus in the Czech Socialist Republic (author's transl)] Heinz F, et al. **Cesk Epidemiol Mikrobiol Imunol** 1981 Apr;30(3):129–34 (Eng. Abstr.) **(Cze)**

[Use of Staphylococcus aureus protein 'A' to detect rotavirus in the stools (author's transl)] Hebert JP, et al. **Pathol Biol (Paris)** 1981 Feb;29(2):101–4 (Eng. Abstr.) **(Fre)**

[Indirect ELISA technic for detection of human rotavirus in faeces (author's transl)] Krembel C, et al. **Pathol Biol (Paris)** 1981 Feb;29(2):126–8 (Eng. Abstr.) **(Fre)**

[Use of immunofluorescence technic for the diagnosis of rotavirus infection in the calf] Schirrmeier H, et al. **Arch Exp Veterinaermed** 1981;35(2):187–98 (Eng. Abstr.) **(Ger)**

[Rotavirus in acute gastroenteritis (author's transl)] Steinmann J. **Monatsschr Kinderheilkd** 1981 Jul; 129(7):400–3 (Eng. Abstr.) **(Ger)**

[Demonstration of enteropathogenic Escherichia coli strains and rotaviruses in fecal samples from calves with diarrhea] Baljer G, et al. **Zentralbl Veterinaermed [B]** 1980; 27(8):608–15 (Eng. Abstr.) **(Ger)**

[Isolation of cytopathogenic strains of infectious bursal virus of chickens in cell cultures] Casnocha E. **Vet Med (Praha)** 1980;25(12):725–32 (Eng. Abstr.) **(Slo)**

[Acute diarrhea caused by rotavirus: various clinical aspects] Calderón A, et al. **Rev Chil Pediatr** 1980 Mar–Apr; 51(2):113–6 (Eng. Abstr.) **(Spa)**

[Rotavirus in infantile diarrhea (author's transl)] Avendaño LF, et al. **Rev Med Chil** 1980 Mar;108(3):210–3 (Eng. Abstr.) **(Spa)**

METABOLISM

Reovirus core particles synthesize capped oligonucleotides as a result of abortive transcription. Zarbl H, et al. **Arch Biochem Biophys** 1980 Jul;202(2):348–60

Immunospecific binding of capped mRNA of reovirus by an antibody to a cap structures; m7G(5')pppGm. Nakazato H. **Biochem Biophys Res Commun** 1980 Sep 16;96(1):400–7

Initiation of reovirus transcription by inosine 5'-triphosphate and properties of 7-methylinosine-capped, inosine-substituted messenger ribonucleic acids. Morgan MA, et al. **Biochemistry** 1980 Dec 23;19(26):5960–6

Similar sets of terminal oligonucleotides from reovirus double-stranded RNA and viral messenger RNA synthesized in vitro. Hastings KE, et al. **Can J Biochem** 1981 Mar;59(3):151–7

DNA binding of a nonstructural reovirus protein. Shelton IH, et al. **Can J Biochem** 1981 Feb;59(2):122–30

Protein synthesis in cells infected with bovine rotavirus. Urquidi V, et al. **J Gen Virol** 1981 Apr;53(Pt 2):363–9

Assignment of reovirus mRNA ribosome binding sites to virion genome segments by nucleotide sequence analyses. Darzynkiewicz E, et al. **Nucleic Acids Res** 1980 Jan 25; 8(2):337–50

Reovirus: evidence for a second step in the intracellular uncoating and transcriptase activation process. Borsa J, et al. **Virology** 1981 May;111(1):191–200

Biosynthesis of reovirus-specified polypeptides. purification and characterization of the small-sized class mRNAs of reovirus type 3: coding assignments and translational efficiencies. Levin KH, et al. **Virology** 1980 Oct 15; 106(1):1–13

Reovirus-specific messenger ribonucleoprotein particles from HeLa cells. Kreft J. **Z Naturforsch [C]** 1980 Nov–Dec; 35(11–12):1046–51

PATHOGENICITY

The role of the reovirus hemagglutinin in viral virulence. Fields BN, et al. **Ann NY Acad Sci** 1980;354:125–34 (14 ref.)

The influence of divalent cations on the stability of human rotavirus. Shirley JA, et al. **Arch Virol** 1981;67(1):1–9

The clinical response of gnotobiotic calves, pigs and lambs to inoculation with human, calf, pig and foal rotavirus isolates. Tzipori SR, et al. **Aust J Exp Biol Med Sci** 1980 Jun;58(3):309–18

[Rotavirus infections in general medical practice] Solisch S. **Paediatr Grenzgeb** 1980;19(6):395–400 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Multiplication of bluetongue virus in culicoides nubeculosus (Meigen) simultaneously infected with the virus and the microfilariae of Onchocerca cervicalis (Railliet & Henry). Mellor PS, et al. **Ann Trop Med Parasitol** 1980 Aug; 74(4):463–9

Effects of environmental variables and soil characteristics on virus survival in soil. Hurst CJ, et al. **Appl Environ Microbiol** 1980 Dec;40(6):1067–79

Infection of cultured human pancreatic B cells with reovirus type 3. Yoon JW, et al. **Diabetologia** 1981 Apr;20(4):462–7

Measurement of the electrokinetic properties of vaccinia and reovirus by laser-illuminated whole-particle microelectrophoresis. Taylor DH, et al. **J Virol Methods** 1981 Apr;2(5):251–60

Intestinal M cells: a pathway for entry of reovirus into the host. Wolf JL, et al. **Science** 1981 Apr 24;212(4493):471–2

ULTRASTRUCTURE

Abnormalities and virus-like particles in spermatozoa from bulls latently infected with bluetongue virus. Foster NM, et al. **Am J Vet Res** 1980 Jul;41(7):1045–8

Does rice ragged stunt virus lack the typical double shell of the Reoviridae? Milne RG. **Intervirology** 1980; 14(5–6):331–6

Detection by electron microscopy of caliciviruses, astroviruses and rotavirus-like particles in the faeces of piglets with diarrhoea. Bridger JC. **Vet Rec** 1980 Dec 6; 107(23):532–3

[Rotavirus in children with acute gastroenteritis] Roseto A, et al. **Medicina (B Aires)** 1981;41(1):1–5 (Eng. Abstr.) **(Spa)**

REOVIRUS INFECTIONS

COMPLICATIONS

Virus-induced diabetes mellitus. XX. Polyendocrinopathy and autoimmunity. Onodera T, et al. **J Exp Med** 1981 Jun 1;153(6):1457–73

IMMUNOLOGY

The effect of thymosin on murine lymphocyte responses and corticosteroid levels during acute reovirus type 3 infection of neonatal mice. Willey DE, et al. **Clin Immunol Immunopathol** 1981 Apr;19(1):35–43

METABOLISM

DNA binding of a nonstructural reovirus protein. Shelton IH, et al. **Can J Biochem** 1981 Feb;59(2):122–30

PATHOLOGY

Pathology of Nephrosis–nephritis in chickens experimentally induced by infectious bursal disease virus. Chandra M, et al. **Indian J Exp Biol** 1980 Jul;18(7):750–2

Intestinal M cells: a pathway for entry of reovirus into the host. Wolf JL, et al. **Science** 1981 Apr 24;212(4493):471–2

TRANSMISSION

The ecology of Colorado tick fever in Rocky Mountain National Park in 1974. II. Infection in small mammals. Bowen GS, et al. **Am J Trop Med Hyg** 1981 Mar; 30(2):490–6

The ecology of Colorado tick fever in Rocky Mountain National Park in 1974. I. Objectives, study design, and summary of principal findings. McLean RG, et al. **Am J Trop Med Hyg** 1981 Mar;30(2):483–9

VETERINARY

Experimental Colorado tick fever virus infection in Colorado mammals. Bowen GS, et al. **Am J Trop Med Hyg** 1981 Jan;30(1):224–9

Epizootic hemorrhagic disease virus in Montana: isolation and serologic survey. Feldner TJ, et al. **Am J Vet Res** 1981 Jul;42(7):1198–202

An age-related coagulation disorder associated with experimental infection with infectious bursal disease virus. Skeeles JK, et al. **Am J Vet Res** 1980 Sep;41(9):1458–61

The distribution of naturally acquired antibodies against infectious bursal disease virus in Victoria [letter] Reece RL, et al. **Aust Vet J** 1981 Apr;57(4):201–2

Antibodies to infectious bursal disease virus in poultry flocks in Western Australia [letter] Wilcox GE, et al. **Aust Vet J** 1980 Sep;56(9):459–60

The detrimental effect of vaccinating parentally immune broilers with a modified liver virus vaccine for infectious bursal disease. Henry CW, et al. **Avian Dis** 1980 Oct–Dec; 24(4):1021–6

Sequential changes in the number of surface immunoglobulin-bearing B lymphocytes in infectious bursal disease virus-infected chickens. Hirai K, et al. **Avian Dis** 1981 Apr–Jun;25(2):484–96

Effects of infectious bursal disease on Marek's disease vaccination: suppression of antiviral immune response. Jen LW, et al. **Avian Dis** 1980 Oct–Dec;24(4):896–907

Response of mibolerone-treated chickens to infectious bursal disease virus. Lucio B, et al. **Avian Dis** 1980 Apr–Jun; 24(2):334–44

An indirect enzyme-linked immunosorbent assay (ELISA) for measuring antibodies in chickens infected with infectious bursal disease virus. Marquardt WW, et al. **Avian Dis** 1980 Apr–Jun;24(2):375–85

Onset of progeny immunity against viral arthritis/tenosynovitis after experimental vaccination of parent breeder chickens and cross-immunity against six reovirus isolates. Rau WE, et al. **Avian Dis** 1980 Jul–Sep; 24(3):648–57

Effect of infectious bursal disease virus infection on the phagocytosis of Staphylococcus aureus by mononuclear phagocytic cells of susceptible and resistant strains of chickens. Santivatr D, et al. **Avian Dis** 1981 Apr–Jun; 25(2):303–11

Immune profile of infectious bursal disease. III. Effect of infectious bursal disease virus on the lymphocyte responses to phytomitogens and on mixed lymphocyte reaction of chickens. Sivanandan V, et al. **Avian Dis** 1981 Jan–Mar; 25(1):112–20

Immune profile of infectious bursal disease (IBD). II. Effect of IBD virus on pokeweed-mitogen-stimulated peripheral blood lymphocytes of chickens. Sivanandan V, et al. **Avian Dis** 1980 Jul–Sep;24(3):734–42

Immune profile of infectious bursal disease: I. Effect of infectious bursal disease virus on peripheral blood T and B lymphocytes of chickens. Sivanandan V, et al. **Avian Dis** 1980 Jul–Sep;24(3):715–25

Pathogenicity for chickens of a reovirus isolated from turkeys. van der Heide L, et al. **Avian Dis** 1980 Oct–Dec; 24(4):989–97

Field experiments with viral arthritis/tenosynovitis vaccination of breeder chickens. van der Heide L, et al. **Avian Dis** 1980 Apr–Jun;24(2):493–7

The distribution of infectious bursal disease in South Africa. du Preez F, et al. **J S Afr Vet Assoc** 1980 Mar;51(1):15–16

Computer simulation of Gumboro disease outbreak. IV. Epizootics obtained by mode G–4 with flock size, age and immunity changed. Takizawa T, et al. **Natl Inst Anim Health Q (Tokyo)** 1980 Summer;20(2):68–74

Computer simulation of Gumboro disease outbreak. III. Construction model G–4. Takizawa T, et al. **Natl Inst Anim Health Q (Tokyo)** 1980 Summer;20(2):60–7

Booster effect of revaccination against Newcastle disease on chickens infected with infectious bursal disease virus. Takase K, et al. **Nippon Juigaku Zasshi** 1980 Oct; 42(5):599–601

Ubiquity of infectious bursal disease in East Texas backyard flocks. Millar DL, et al. **Poult Sci** 1980 AUG;59(8):1949–50

Rupture of digital flexor tendons of chickens after infection with reovirus. Jones RC, et al. **Vet Rec** 1980 Aug 23; 107(8):180

[Isolation of cytopathogenic strains of infectious bursal virus of chickens in cell cultures] Casnocha E. **Vet Med (Praha)** 1980;25(12):725–32 (Eng. Abstr.) **(Slo)**

REOVIRUS TYPE 3 see under **REOVIRIDAE**

REPETITIVE SEQUENCES, NUCLEIC ACID

Molecular arrangement and evolution of heterochromatic DNA. Brutlag DL. **Annu Rev Genet** 1980;14:121–44 (135 ref.)

Individual quantitative rDNA variation in three species of the Cucurbitaceae family. Marazia T, et al. **Biochem Genet** 1980 Jun;18(5–6):509–17

Mouse rDNA nontranscribed spacer sequences are found flanking immunoglobulin CH genes and elsewhere throughout the genome. Arnheim N, et al. **Cell** 1980 Nov; 22(1 Pt 1):179–85

Immunoglobulin class switching: developmentally regulated DNA rearrangements during differentiation. Davis MM, et al. **Cell** 1980 Nov;22(1 Pt 1):1–2 (11 ref.)

Nonrandom alignment of nucleosomes on 5S RNA genes of X. laevis. Gottesfeld JM, et al. **Cell** 1980 Oct; 21(3):751–60

A family of inverted repeat sequences and specific single-strand gaps at the termini of the Physarum rDNA palindrome. Johnson EM. **Cell** 1980 Dec;22(3):875–86

Nucleotide sequence analysis of the long terminal repeat (LTR) of avian retroviruses: structural similarities with transposable elements. Ju G, et al. **Cell** 1980 Nov;22(2 Pt 2):379–86

Repetitive sequences in class-switch recombination regions of immunoglobulin heavy chain genes. Kataoka T, et al. **Cell** 1981 Feb;23(2):357–68

Loss of reiterated DNA sequences during serial passage of human diploid fibroblasts. Shmookler Reis RJ, et al. **Cell** 1980 Oct;21(3):739–49

Histone gene clusters of the newt notophthalmus are separated by long tracts of satellite DNA. Stephenson EC, et al. **Cell** 1981 Jun;24(3):639–47

Direct repeats of the F plasmid incC region express F incompatibility. Tolun A, et al. **Cell** 1981 Jun;24(3):687–94

An abundant cytoplasmic 7S RNA is complementary to the dominant interspersed middle repetitive DNA sequence family in the human genome. Weiner AM. **Cell** 1980 Nov; 22(1 Pt 1):209–18

Periodicities and tandem repeats in a Balbiani ring gene. Wobus U, et al. **Cell** 1980 Nov;22(1 Pt 1):127–35

Analysis of a dispersed repetitive DNA sequence in isogenic lines of Drosophila. Pierce DA, et al. **Chromosoma** 1981; 82(4):471–92

Satellite DNA of Anopheles stephensi Liston (Diptera: Culicidae). Chromosomal location and under-replication in polytene nuclei. Redfern CP. **Chromosoma** 1981; 82(4):561–81

In situ binding of AT-rich repetitive DNA to the centromeric heterochromatin in polytene chromosomes of chironomids. Schmidt ER, et al. **Chromosoma** 1981;82(2):197–204

The distribution of two highly repeated DNA sequences within Drosophila melanogaster chromosomes. Steffensen DM, et al. **Chromosoma** 1981;82(4):525–41

SUC genes of yeast: a dispersed gene family. Carlson M, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 2:799–803

The organization of repetitive sequences in mammalian globin gene clusters. Fritsch EF, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 2:761–5

Mobile dispersed genetic elements and other middle repetitive DNA sequences in the genomes of Drosophila and mouse: transcription and biological significance. Georgiev GP, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 2:641–54

Copia-like transposable elements in the Drosophila genome. Rubin GM, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 2:619–28

General properties of mobile dispersed genetic elements in Drosophila melanogaster. Tchurikov NA, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 2:655–65

A repetitive structure in the chick alpha 2-collagen gene. Vogeli G, et al. **Cold Spring Harbor Symp Quant Biol** 1980; 45 Pt 2:777–83

Nomadic gene families in Drosophila. Young MW, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 2:629–40

The frequency and distribution of 5.8S rRNA genes and the relationship to 18/28S rRNA genes in human chromosomes. Henderson AS, et al. **Cytogenet Cell Genet** 1980;28(1–2):136–9

(AGCTG) (AGCTG) (AGCTG) (GGGTG) as the primordial sequence of intergenic spacers: the role in immunoglobulin class switch. Ohno S. **Differentiation** 1981; 18(2):65–74

Relative base composition of nuclear RNA transcribed from repetitive and unique DNA in frog embryos. Flickinger RA, et al. **Exp Cell Res** 1981 Jan;131(1):57–61

5 S ribosomal RNA genes and the Alul family: evolutionary and functional significance of a region of strong homology. Doolittle WF. **FEBS Lett** 1981 Apr 20;126(2):147–9

DNase I hypersensitivity of the terminal inverted repeat DNA sequences in the macronucleus of the ciliate Stylonychia mytilus. Lipps HJ, et al. **FEBS Lett** 1981 Apr 20;126(2):219–22

Structural analysis of templates and RNA polymerase III transcripts of Alu family sequences interspersed among the human beta-like globin genes. Duncan CH, et al. **Gene** 1981 Mar;13(2):185–96

EcoRI-generated reiterated components of the rat genome. I. Sequence of two (92 and 93 bp) related DNA fragments. Lapeyre JN, et al. **Gene** 1980 Sep;10(4):339–46

Direct repetition of a 1.2 Md DNA sequence is involved in site-specific recombination by the P1 plasmid R68. Leemans J, et al. **Gene** 1980 Sep;10(4):319–28

Inverted terminal repeat sequence in the macronuclear DNA of Stylonychia pustulata. Oka Y, et al. **Gene** 1980 Sep; 10(4):301–6

Regional assignment of a 2.1-kb repetitive sequence to the distal part of the human Y heterochromatin. Schmidtke J, et al. **Hum Genet** 1980;55(2):255–7

Repetitive sequences of the sea urchin genome. Distribution of members of specific repetitive families. Anderson DM, et al. **J Mol Biol** 1981 Jan 5;145(1):5–28

Sequence variation in dispersed repetitive sequences in Saccharomyces cerevisiae. Kingsman AJ, et al. **J Mol Biol** 1981 Feb 5;145(4):619–32

Characterization of a highly repetitive sequence DNA family in rat. Sealy L, et al. **J Mol Biol** 1981 Jan 15;145(2):291–318

An improved method for estimating sequence divergence of DNA using restriction endonuclease mappings. Kaplan N, et al. **J Mol Evol** 1981;17(3):156–62

Evolutionary sequence divergence within repeated DNA families of higher plant genomes. I. Analysis of reassociation kinetics. Preisler RS, et al. **J Mol Evol** 1981; 17(2):78–84

Evolutionary sequence divergence within repeated DNA families of higher plant genomes. II. Analysis of thermal denaturation. Preisler RS, et al. **J Mol Evol** 1981; 17(2):85–93

Terminally redundant sequences in cellular intracisternal A-particle genes. Cole MD, et al. **J Virol** 1981 May; 38(2):680–7

Hybridization selection and cell-free translation of mRNA's encoded within the inverted terminal repetition of the vaccinia virus genome. Cooper JA, et al. **J Virol** 1981 Jan; 37(1):284–94

Regulatory and coding potential of the mouse mammary tumor virus long terminal redundancy. Donehower LA, et al. **J Virol** 1981 Jan;37(1):226–38

Inverted terminal repetition in adeno-associated virus DNA: independence of the orientation at either end of the genome. Lusby E, et al. **J Virol** 1981 Mar;37(3):1083–6

In vitro transcription of the inverted terminal repetition of the vaccinia virus genome: correspondence of initiation and cap sites. Venkatesan S, et al. **J Virol** 1981 Feb;37(2):738–47

Tandem duplication induced by an unusual ampA1–, ampC–transducing lambda phage: a probe to initiate gene amplification. Edlund T, et al. **MGG** 1980;180(2):249–57

The tetracycline resistance transposons Tn1721 and Tn1771 have three 38-base-pair repeats and generate five-base-pair direct repeats. Schöffl F, et al. **MGG** 1981;181(1):87–94

Organization, replication and modification of the human genome: synthesis and methylation of palindromic, repeated and unique HeLa nDNA sequences during the S-phase. Eremenko T, et al. **Mol Biol Rep** 1980 Oct 31;6(3):131–6

Message sequences and short repetitive sequences are interspersed in sea urchin egg poly(A)+ RNAs. Costantini FD, et al. **Nature** 1980 Sep 11;287(5778):111–7

Intergenic conversion and reiterated genes. Egel R. **Nature** 1981 Mar 19;290(5803):191–2

Transposable elements and proviruses [news] Finnegan DJ. **Nature** 1981 Aug 27;292(5826):800–1

A family of long reiterated DNA sequences, one copy of which is next to the human beta globin gene. Adams JW, et al. **Nucleic Acids Res** 1980 Dec 20;8(24):6113–28

The transposable element Mdg3 in Drosophila melanogaster is flanked with the perfect direct and mismatched inverted repeats. Bayev AA Jr, et al. **Nucleic Acids Res** 1980 Aug 11;8(15):3263–73

A family of moderately repetitive sequences in mouse DNA. Cheng SM, et al. **Nucleic Acids Res** 1980 Sep 25; 8(18):4075–90

Evidence for nonrandom alterations in a fraction of the highly repetitive DNA of a eukaryote. Christie NT, et al. **Nucleic Acids Res** 1980 Jan 25;8(2):279–98

Repetitive DNA sequences near three human beta-type globin genes. Coggins LW, et al. **Nucleic Acids Res** 1980 Aug 11;8(15):3319–33

Interspersion of repetitive with repetitive sequences in an amphibian, Rana berlandieri. Graham DE, et al. **Nucleic Acids Res** 1980 Sep 11;8(17):3875–94

Circular dichroism spectra show that repeating dinucleotide DNAs may form helices in which every other base is looped out. Gray DM, et al. **Nucleic Acids Res** 1980 Aug 25;8(16):3695–707

Structure and organization of the highly repeated and interspersed 1.3 kb EcoRI-Bg1II sequence family in mice. Heller R, et al. **Nucleic Acids Res** 1980 Nov 11; 8(21):5031–42

Novel classes of mouse repeated DNAs. Manuelidis L. **Nucleic Acids Res** 1980 Aug 11;8(15):3247–58

DNA-like duplexes with repetitions. I. Properties of concatemer duplexes formed by d(T-G-C-A-C-A-T-G). Shabarova ZA, et al. **Nucleic Acids Res** 1980 Jun 11; 8(11):2413–29

Characterization of the plasmids of Bacillus megaterium: base composition and reassociation kinetics analysis. Carreira LH, et al. **Plasmid** 1980 Nov;4(3):316–31

Non-nucleosomal packaging of a tandemly repeated DNA sequence at termini of extrachromosomal DNA coding for rRNA in Tetrahymena. Blackburn EH, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2263–7

Integration in vivo into simian virus 40 DNA of a sequence that resembles a certain family of genomic interspersed repeated sequences. Dhruva BR, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4514–8

Excision of transposon Tn5 is dependent on the inverted repeats but not on the transposase function of Tn5. Egner C, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):459–63

In vitro aggregation of the gene-sized DNA molecules of the ciliate Stylonychia mytilus. Lipps HJ. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4104–7

Intracisternal A-particle genes: identification in the genome of Mus musculus and comparison of multiple isolates from a mouse gene library. Lueders KK, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3571–5

Cloning of reiterated and nonreiterated herpes simplex virus 1 sequences as BamHI fragments. Post LE, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4201–5

Comparative sequence analysis of the inverted terminal repetitions from different adenoviruses. Shinagawa M, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):3831–5

Nucleotide sequence of cloned unintegrated avian sarcoma virus DNA: viral DNA contains direct and inverted repeats similar to those in transposable elements. Swanstrom R, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):124–8

Reiteration frequency mapping: analysis of repetitive sequence organization within cloned DNA fragments containing the human initiator methionine tRNA gene. Zasloff M, et al. **Proc Natl Acad Sci USA** 1980 Oct; 77(10):5668–72

A movable feast in the eukaryotic genome [news] Marx JL. **Science** 1981 Jan 9;211(4478):153–5

Genetic implications of limited circular permutation. Israel V. **Virology** 1980 Oct 15;106(1):100–6

Restriction endonuclease mapping of ecotropic murine leukemia viral DNAs: size and sequence heterogeneity of the long terminal repeat. Rands E, et al. **Virology** 1981 Jan 30;108(2):445–52

Construction of a double-jointed herpes simplex viral DNA molecule: inverted repeats are required for segment inversion, and direct repeats promote deletions. Smiley JR, et al. **Virology** 1981 Aug;113(1):345–62

[The relation of enzymatic methylation of inverted DNA repeats to transcription in mouse P815 mastocytoma cells (author's transl)] Boehm TL, et al. **Z Naturforsch [C]** 1980 Jul–Aug;35(7–8):611–20 (Eng. Abstr.) **(Ger)**

[Noninduced local DNA synthesis in the G1 phase and its relationship to chromosomal mutagenesis] Korotkov EV, et al. **Dokl Akad Nauk SSSR** 1980;252(2):475–8 **(Rus)**

['Paradoxical' evolution of the individual transcribed repetitive DNA (Bl) sequence in rodents] Kramerov DA, et al. **Dokl Akad Nauk SSSR** 1980;255(4):1005–9 **(Rus)**

[Reiterated genes scattered among the chromosomes of Drosophila melangoaster with varying locations. V. Nature of self-complementary RNA sequences transcribed from chromosomal DNA] Khmeliauskalte VG, et al. **Genetika (Moskva)** 1980;16(9):1535–50 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Sequence organisation in nuclear DNA from Physarum polycephalum: methylation of repetitive sequences. Whittaker PA, et al. **Nucleic Acids Res** 1981 Feb 25; 9(4):801–14

REPLICATION UNIT see **REPLICON**

REPLICON

Nascent replicons are synchronously joined at the end of S phase or during G2 phase in peas. Schvartzman JB, et al. **Biochim Biophys Acta** 1981 Apr 27;653(2):185–92

Termination of DNA replication in vitro at a sequence-specific replication terminus. Germino J, et al. **Cell** 1981 Mar;23(3):681–7

Incompatibility properties of Col E1 and pMB1 derivative plasmids: random replication of multicopy replicons. Hashimoto-Gotoh T, et al. **Cell** 1981 Jan;23(1):229–38

PEA (Pisum sativum) cells arrested in G2 have nascent DNA with breaks between replicons and replication clusters. Van't Hof J. **Exp Cell Res** 1980 Sep;129(1):231–7

Plasmid replication functions: two distinct segments of plasmid R1, RepA and RepD, express incompatibility and are capable of autonomous replication. Danbara H, et al. **J Bacteriol** 1980 Dec;144(3):1126–38

Replication control and switch-off function as observed with a mini-F factor plasmid. Tsutsui H, et al. **J Bacteriol** 1981 Aug;147(2):509–16

Decreased initiation of DNA synthesis in a temperature-sensitive mutant of hamster cells. Eilen E, et al. **J Cell Physiol** 1980 Nov;105(2):259–66

Similar size of the replicons in Chironomus polytene chromosomes at two developmental stages. Lönn U. **J Cell Sci** 1980 Dec;46:387–97

Polyoma virus minichromosomes: a soluble in vitro replication system. Gourlie BB, et al. **J Virol** 1981 Jun; 38(3):805–14

Polyoma virus minichromosomes: associated DNA molecules. Krauss MR, et al. **J Virol** 1981 Jun;38(3):815–25

Two-dimensional analysis of proteins sedimenting with simian virus 40 chromosomes. Milavetz BI, et al. **J Virol** 1980 Sep;35(3):854–64

Isolation and characterization of lambda phages carrying the

basic replicon of the resistance plasmid R1. Dreisig H, et al. **MGG** 1981;182(1):148–53
Regulation of plasmid DNA synthesis: isolation and characterization of copy number mutants of miniR6–5 and miniF plasmids. Ely S, et al. **MGG** 1981;181(1):29–35
Nucleotide sequence of the region of the origin of replication of the broad host range plasmid RK2. Stalker DM, et al. **MGG** 1981;181(1):8–12
Replication and incompatibility properties of segments of the origin region of replication of the broad host range plasmid RK2. Thomas CM, et al. **MGG** 1981;181(1):1–7
Inheritance functions of group IncFII transmissible antibiotic resistance plasmids. Timmis KN, et al. **Plasmid** 1981 Jan; 5(1):53–75 (91 ref.)
Origin of DNA replication of bacteriophage f1 as the signal for termination. Horiuchi K. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5226–9
On the possibility of metabolic control of replicon 'misfiring': relationship to emergence of malignant phenotypes in mammalian cell lineages. Varshavsky A. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3673–7
Comparison of replication complexes synthesizing poliovirus RNA. Etchison D, et al. **Virology** 1981 May;111(1):33–46
[Organization of mammalian genome replication: data on the high rate of DNA replication in replicons of structural heterochromatin] Khaitova NM, et al. **Tsitologiia** 1980 Jun; 22(6):640–5 (Eng. Abstr.) **(Rus)**
[Construction and properties of a 2-replicon hybrid plasmid bearing the galactose operon of E. coli] Kalinin VN, et al. **Vestn Akad Med Nauk SSSR** 1981;(2):29–32 (Eng. Abstr.) **(Rus)**

REPRESSION

The cult phenomenon: transition, repression, and regression. Feinstein SC. **Adolesc Psychiatry** 1980;8:113–22
The role of muscle tension in 'repression'. Mangan GL, et al. **Pavlov J Biol Sci** 1980 Oct–Dec;15(4):172–6

REPRESSION-SENSITIZATION

Stress effects on the nonverbal behavior of repressors and sensitizers. Slane S, et al. **J Psychol** 1980 Sep;106(First Half):101–9

REPRESSION-SENSITIZATION SCALES see under **REPRESSION-SENSITIZATION**

REPRESSOR PROTEINS see under **TRANSCRIPTION FACTORS**

REPRODUCTION

Circadian rhythms, brain peptides, and reproduction. Zucker I, et al. **Adv Biochem Psychopharmacol** 1981;28:459–73 (74 ref.)
Current concepts in reproduction of the dog and cat. Shille VM, et al. **Adv Vet Sci Comp Med** 1980;24:211–43 (125 ref.)
Effect of hormonal events in earlier life and socioeconomic status on age at menopause. Ernster VL, et al. **Am J Obstet Gynecol** 1981 Jun 15;140(4):471–2
Reproduction and population growth in free-ranging mantled howling monkeys. Glander KE. **Am J Phys Anthropol** 1980 Jul;53(1):25–36
The origin of chromosomal aberrations in man and their potential for survival and reproduction in the adult human population. Chandley AC. **Ann Genet (Paris)** 1981; 24(1):5–11 (67 ref.)
Immunology of reproduction: present trends. Billingham RE, et al. **Ann Immunol (Paris)** 1980 Sep–Oct;131D(2):125–36
Prolactin and male reproduction. Hermanns U, et al. **Arch Androl** 1981 Mar;6(2):95–125 (236 ref.)
The effect of variations in the interval between calving and first service on the reproductive performance of normal diary cows. Williamson NB, et al. **Aust Vet J** 1980 Oct; 56(10):477–80
Society for the Study of Reproduction, Thirteenth annual meeting, August 11–14, 1980, Ann Arbor, Michigan. Abstracts. **Biol Reprod** 1980;22(Suppl 1):21A–141A
Society for the Study of Reproduction. Fourteenth annual meeting, August 10–13, 1981. Corvallis, Oregon [abstracts] **Biol Reprod** 1981;24(Suppl 1):1–159A
Relaxin immunoactivity in plasma during the reproductive cycle of the female guinea pig. Boyd S, et al. **Biol Reprod** 1981 Mar;24(2):405–14
Endocrine signaling and female reproduction. Brinkley HJ. **Biol Reprod** 1981 Feb;24(1):22–43
Male-related pheromones and the activation of female reproduction in the prairie vole (Microtus ochrogaster). Carter CS, et al. **Biol Reprod** 1980 Dec;23(5):1038–45
Influences of population density on reproductive output at food excess in the guppy, Poecilia reticulata (Peters). Dahlgren BT. **Biol Reprod** 1980 Jun;22(5):1047–61
Endocrine signaling and male reproduction. Desjardins C. **Biol Reprod** 1981 Feb;24(1):1–21 (125 ref.)
Reproduction in a population of chimeric mice: relationship of chromosomal sex to functional germ cells and proportions of chimeric components in several tissues. Gearhart J, et al. **Biol Reprod** 1981 May;24(4):713–22
Analysis of endocrine signals: the engineering and physics of biochemical communication systems. Yates FE. **Biol Reprod** 1981 Feb;24(1):73–94
Comments on 'growth of a hypercycle' by King (1981). Eigen M, et al. **Biosystems** 1981;13(4):235
Growth of a hypercycle and comparison with conventional autocatalysis. King GA. **Biosystems** 1981;13(4):225–34
Reproductive performance in rats with different histories of malnutrition. Galler JR, et al. **Br J Nutr** 1981 Mar; 45(2):251–5
Effects of extracts of toxic fescue given orally to rats. Daniels LB, et al. **Can J Comp Med** 1981 Apr;45(2):173–6
Photoperiodic induction of multiple breeding seasons in captive American kestrels. Bird DM, et al. **Can J Zool** 1980 Jun;58(6):1022–6
Factors controlling lambing period of Dall's sheep. Bunnell FL. **Can J Zool** 1980 Jun;58(6):1027–31
Reproduction in a laboratory colony of bank vole, Clethrionomys glareolus. Gustafsson T, et al. **Can J Zool** 1980 Jun;58(6):1016–21
Temporal spacing of broods, brood size, and parental care in song sparrows (Melospiza melodia). Smith JN, et al. **Can J Zool** 1980 Jun;58(6):1007–15
Changes in the fine structure of the testicular Leydig cells of the seasonally-breeding bat, Myotis adversus. Loh HS, et al. **Cell Tissue Res** 1980;210(2):339–47
Genetic control of sexual development in Volvox. Callahan AM, et al. **Dev Biol** 1980 Dec;80(2):419–35
Blood and plasma glucose relationships during pregnancy, the breeding cycle and development in the rat. Palou A, et al. **Diabete Metab** 1980 Dec;6(4):271–5
The hormonal basis of reproductive defects in athymic mice: diminished gonadotropin concentrations in prepubertal females. Rebar RW, et al. **Endocrinology** 1981 Jan; 108(1):120–6
Relaxin immunoactivity levels in ovarian extracts obtained from rats during various reproductive states and from adult cycling pigs. Sherwood OD, et al. **Endocrinology** 1981 Apr; 108(4):1171–7
Relationship between incidence and onset age of mammary tumors and reproductive characteristics in mice. Nagasawa H, et al. **Eur J Cancer** 1980 Aug;16(8):1111–6
Gonadal steroids and the control of gonadal function in seasonally breeding species. Donovan BT, et al. **Exp Brain Res** 1981;Suppl 3:158–68
Influence of the pineal gland on the reproductive system of the male house mouse. Philo R, et al. **Experientia** 1980 Dec 15;36(12):1425–6
Relation of neuroendocrine system to the reproductive decline in aging rats and human subjects. Meites J, et al. **Fed Proc** 1980 Dec;39(14):3168–72 (24 ref.)
Citation data for selected journals in reproductive biology. Bobick JE. **Fertil Steril** 1981 Feb;35(2):126–30
New tools for reproductive studies. McDonough PG. **Fertil Steril** 1981 Jan;35(1):13–5
Prolactin and reproduction. Pepperell RJ. **Fertil Steril** 1981 Mar;35(3):267–74
Effects of age, sex, and reproductive status on scent marking frequencies in the golden lion tamarin, Leontopithecus rosalia. Kleiman DG, et al. **Folia Primatol (Basel)** 1980; 33(1–2):1–14
Age at first pregnancy and reproductive outcome among colony-born squirrel monkeys (Saimiri sciureus, Brazilian). Taub DM. **Folia Primatol (Basel)** 1980;33(4):262–72
Plasma clearance of gonadotropin in goldfish, Carassius auratus, during the annual reproductive cycle. Cook AF, et al. **Gen Comp Endocrinol** 1980 Sep;42(1):76–90
Plasma luteinizing hormone in male ring doves during the breeding cycle. Silver R, et al. **Gen Comp Endocrinol** 1980 Sep;42(1):19–24
Reproductive success among the Sephardic Jews of Gibraltar: evolutionary implications. Sawchuk LA. **Hum Biol** 1980 Dec;52(4):731–52
Pregnancy outcome following treatment of intrauterine adhesions. Bergquist CA, et al. **Int J Fertil** 1981; 26(2):107–11
The changing pattern of reproduction — data for 1971 and 1979. Herlihy B. **Ir Med J** 1981 Apr;74(4):101–2
Dairy herd reproductive health programs compared with traditional practices. Heider LE, et al. **J Am Vet Med Assoc** 1980 Apr 15;176(8):743–6 (32 ref.)
Influence of housing and management factors on reproductive efficiency of swine. Hurtgen JP. **J Am Vet Med Assoc** 1981 Jul 1;179(1):74–8 (67 ref.)
Long-term selection for rapid gain in mice. II. Correlated changes in reproduction. Barria N, et al. **J Anim Sci** 1981 Apr;52(4):739–47
Postpartum reproductive function of daity cows as influenced by energy and phosphorus status. Carstairs JA, et al. **J Anim Sci** 1980 Nov;51(5):1122–30
Effect of growth rate through 30 months on reproductive performance of beef heifers. Fleck AT, et al. **J Anim Sci** 1980 Oct;51(4):816–21
Selenium and reproductive function in yearling Angus bulls. Segerson EC, et al. **J Anim Sci** 1980 Aug;51(2):395–9
Influence of season and age on reproductive activity in pony mares on the basis of a slaughterhouse survey. Wesson JA, et al. **J Anim Sci** 1981 Jan;52(1):119–29
Analysis of the effects of encystment and excystment on incomplete doublets of Oxytricha fallax. Grimes GW, et al. **J Embryol Exp Morphol** 1980 Oct;59:19–26
Reproductive capacities of control mallard ducks (Anas platyrhynchos) during a one-generation reproduction study. Piccirillo VJ, et al. **J Environ Pathol Toxicol** 1980 Nov;4(5–6):133–9
Growth and reproduction complex in the rat. Genes linked to the major histocompatibility complex that affect development. Kunz HW, et al. **J Exp Med** 1980 Dec 1; 152(6):1506–18
Hip fracture in elderly women and reproductive history. Wyshak G. **J Gerontol** 1981 Jul;36(4):424–7
Characteristics of the menstrual cycle in nonhuman primates. III. Timed mating in Macaca arctoides. Brüggemann S, et al. **J Med Primatol** 1980;9(4):213–21
Embryonic stages of Gastrotheca riobambae (Fowler) during maternal incubation and comparison of development with that of other egg-brooding hylid frogs. del Pino EM, et al. **J Morphol** 1981 Mar;167(3):277–95
Influence of mental illness on marriage, reproduction, and parenting in a society without psychiatric services. Westermeyer J. **J Nerv Ment Dis** 1980 Oct;168(10):614–20
Neuroendocrine control of reproduction. Proceedings of a symposium of the Society for the Study of Fertility, Glasgow, July 1979. **J Reprod Fertil** 1980 Mar; 58(2):491–553
Reproduction in Brattleboro rats with diabetes insipidus. Boer K, et al. **J Reprod Fertil** 1981 Mar;61(2):273–80
Reproduction in wild gorillas and some comparisons with chimpanzees. Harcourt AH, et al. **J Reprod Fertil [Suppl]** 1980;Suppl 28:59–70
Monitoring the female reproductive cycle of great apes and other primate species by determination of oestrogen and LH in small volumes of urine. Lasley BL, et al. **J Reprod Fertil [Suppl]** 1980;Suppl 28:121–9
Reproductive physiology and behaviour of gorillas. Nadler RD. **J Reprod Fertil [Suppl]** 1980;Suppl 28:79–89
Reproductive behaviour of wild chimpanzees in the Gombe National Park, Tanzania. Tutin CE. **J Reprod Fertil [Suppl]** 1980;Suppl 28:43–57
In vitro studies in reproductive immunology. – 2. Demonstration of the inhibitory effect of male genital tract constituents on PHA-stimulated mitogenesis and E-rosette formation of human lymphocytes. Marcus ZH, et al. **J Reprod Immunol** 1979 JUL;1(2):97–107
The excretion of gonadal steroids during the reproductive cycle of the owl monkey (Aotus trivirgatus). Bonney RC, et al. **J Steroid Biochem** 1980 Jan;12:417–21
Steroid excretion during the reporductive cycle and in pregnanacy of the vervet monkey (Cercopithecus aethiopus pygerythrus). Setchell KD, et al. **J Steroid Biochem** 1980 Jan;12:375–84
The cost of sex in relation to mating system. Charlesworth B. **J Theor Biol** 1980 Jun 21;84(4):655–71
The cost of meiosis with alternation of sexual and asexual generations. Charlesworth B. **J Theor Biol** 1980 Dec 7; 87(3):517–28
Breeding performance of a captive colony of rhesus macaques (Macaca mulatta). Anderson DM, et al. **Lab Anim** 1979 Jul;13(3):275–81
Exteroceptive factors, sexual maturation and reproduction in the female rat. Norris ML, et al. **Lab Anim** 1979 Jul; 13(3):283–6
Weight gain, reproduction, and survival of Syrian hamsters fed five natural ingredient diets. Birt DF, et al. **Lab Anim Sci** 1981 Apr;31(2):149–55
Body and organ size and composition during the breeding cycle of rats (Rattus norvegicus). Remesar X, et al. **Lab Anim Sci** 1981 Feb;31(1):67–70
Genetic and developmental studies of a new grandchildless mutant of Drosophila melanogaster. Mariol MC. **MGG** 1981;181(4):505–11
The bottom line. **Mod Vet Pract** 1980 Apr;61(4):337, 340
Notes on bovine reproduction. Amstutz HE. **Mod Vet Pract** 1981 Jan;62(1):37–8
More on fatness and reproduction [letter] **N Engl J Med** 1980 Nov 6;303(19):1124–5
Female reproductive potential after treatment for Hodgkin's disease. Horning SJ, et al. **N Engl J Med** 1981 Jun 4; 304(23):1377–82
Testis weight, body weight and breeding system in primates. Harcourt AH, et al. **Nature** 1981 Sep 3;293(5827):55–7
Pelvic structure and nature of reproduction in Multituberculata. Kielan-Jaworowska Z. **Nature** 1979 Feb 1;277(5695):402–3
Outward signs of breeding [news] Martin RD, et al. **Nature** 1981 Sep 3;293(5827):7–9
Photoperiodic control of reproduction in olfactory-bulbectomized rats. Nelson RJ, et al. **Neuroendocrinology** 1981 May;32(5):266–71
Adolescent nutrition as it relates to cardiovascular disease and reproductive capacity later in life. Valadian I, et al. **Nutr Rev** 1981 Feb;39(2):107–11
Some aspects of reproductive performance in selected town-supply dairy herds. Fielden ED, et al. **NZ Vet J** 1980 Jul;28(7):131–2, 141–2
Reproduction and thermoregulation in peromyscus: effects of chronic short days. Lynch GR, et al. **Physiol Behav** 1981 Feb;26(2):201–5
William Harvey and the physiology of reproduction. Knobil E. **Physiologist** 1981 Feb;24(1):3–7
Effects of low intensity red light on testicular recrudescence in Japanese quail. Gildersleeve RP, et al. **Poult Sci** 1981 Feb;60(2):453–61
Pineal melatonin content in male hamsters throughout the seasonal reproductive cycle. Rollag MD, et al. **Proc Soc Exp Biol Med** 1980 Nov;165(2):330–4
Productivity of White Fulani cattle on the Jos plateau,

Nigeria I. Herd structures and reproductive performance. Pullan NB. **Trop Anim Health Prod** 1979 Nov;11(4):231–8

Characteristics of postpartum reproduction in mares. Loy RG. **Vet Clin North Am [Large Anim Pract]** 1980 Nov; 2(2):345–9

Environmental influences on reproduction in horses. Sharp DC. **Vet Clin North Am [Large Anim Pract]** 1980 Nov; 2(2):207–23

Data management for the International Registry of Reproductive Pathology using SNOMED coding and computerization. Cordes DO, et al. **Vet Pathol** 1981 May; 18(3):342–50

Farrowing intervals of sows [letter] Pepper TA, et al. **Vet Rec** 1981 Feb 28;108(9):195

On the pituitary gland and reproductive cycle of Indian fresh water goby, Glossogobius giuris (Ham.) II. Seasonal changes in the proximal pars distalis and their correlation with the reproductive cycle. Saksena DN. **Z Mikrosk Anat Forsch** 1980;94(4):705–14

Consequences of premature weaning on the reproduction of mothers and offspring in laboratory mice. Fuchs S. **Z Tierpsychol** 1981;55(1):19–32

[Sexual cycle of Cerastoderma glaucum Poiret, 1798 (Bivalvia, Eulamellibranchia, Cardiidae) in Lake Tunis and in the Bou Grara sea (Tunisia)] Zaouali J. **Arch Inst Pasteur Tunis** 1980 Sep;57(3):281–95 (Eng. Abstr.) **(Fre)**

[Reproduction and rearing of Nigerian Uda sheep] Haumesser JB, et al. **Rev Elev Med Vet Pays Trop** 1980; 33(2):205–13 (Eng. Abstr.) **(Fre)**

[The reproduction of stationary bovine livestock on the North Ivory Coast : the use of calving intervals; methodological aspects and first results] Landais E, et al. **Rev Elev Med Vet Pays Trop** 1980;33(2):193–204 (Eng. Abstr.) **(Fre)**

[Iodine metabolism. 2. Effect of iodine deficiency on reproduction and the development of progeny of goats and miniature pigs] Groppel B, et al. **Arch Tierernaehr** 1981 Feb;31(2):153–64 (Eng. Abstr.) **(Ger)**

[Reproduction in goats (author's transl)] Brede D. **DTW** 1980 Aug 5;87(8):313–5 (61 ref.) (Eng. Abstr.) **(Ger)**

[The replication cycle of Chlamydia trachomatis and Chlamydia psittaci: ultrastructural analysis] Falcieri E, et al. **Boll Ist Sieroter Milan** 1979 Nov 30;58(5):395–405 (Eng. Abstr.) **(Ita)**

[Thermal acclimatation in rats. I. Influence on reproductivity and fetal development] Rinaldi L, et al. **Boll Soc Ital Biol Sper** 1981 Jan 30;57(2):188–94 (Eng. Abstr.) **(Ita)**

[A study on reproductive function after chemotherapy of trophoblastic disease (author's transl)] Shinkai N, et al. **Acta Obstet Gynaecol Jpn** 1981 Feb;33(2):301–4 **(Jpn)**

[Symposium on hormonal control mechanisms and reproduction] **Horumon To Rinsho** 1980 Apr;28(4):353–424 **(Jpn)**

[Prolactin and its role in growth, metamorphosis and reproduction in amphibians (author's transl)] Kikuyama S. **Tanpakushitsu Kakusan Koso** 1980;25(7):616–26 (48 ref.) **(Jpn)**

[Neural regulation of the reproductive function in the Rhesus monkey] Antunes JL. **Acta Med Port** 1979 Sep–Oct; 1(5):587–98 (Eng. Abstr.) **(Por)**

[Restoration of the reproductive function after a wedge resection of sclerocystic ovaries] Badoeva FS. **Akush Ginekol (Mosk)** 1980 Sep;(9):26–8 (Eng. Abstr.) **(Rus)**

[Combination of mild and latent forms of hypothyroidism with disordered reproductive function in women] Beskrovnyi SV. **Akush Ginekol (Mosk)** 1980 Sep;(9):21–3 (Eng. Abstr.) **(Rus)**

[Cytological and karyological study of human oocytes in vitro in gynecologic diseases accompanied by disordered reproductive function] Pimenova MN, et al. **Akush Ginekol (Mosk)** 1980 Sep;(9):11–3 (Eng. Abstr.) **(Rus)**

[Restoration of reproductive function in external endometriosis patients after surgical and combined treatment] Savitskaia LK, et al. **Akush Ginekol (Mosk)** 1981 Apr;(4):34–7 (Eng. Abstr.) **(Rus)**

[Changes in the electrophysiological parameters of human oocytes in reproductive function disorders and during hormonal stimulation of folliculogenesis] Sorina VIa, et al. **Akush Ginekol (Mosk)** 1980 Sep;(9):8–10 (Eng. Abstr.) **(Rus)**

[Reproduction and mutability of the flour beetle in weightlessness (experiments on the Saliut–6 orbital station)] Parfenov GP. **Kosm Biol Aviakosm Med** 1981 Jun–Jul; 15(4):66–70 (Eng. Abstr.) **(Rus)**

[Effect of 'potassium' selection of parental gametes on the viability and weight of the progeny of Salmo irideus trout] Ushakov VB, et al. **Zh Evol Biokhim Fiziol** 1980 Sep–Oct; 16(5):516–8 **(Rus)**

[Perspectives in the biology of reproduction] **Gac Med Mex** 1980 Jul;116(7):307–26 **(Spa)**

[Perspectives in the biology of reproduction. I. Introduction] Parra A. **Gac Med Mex** 1980 Jul;116(7):307–8 **(Spa)**

DRUG EFFECTS

Reproduction effects of occupational exposures. Pries CN. **Am Fam Physician** 1981 Aug;24(2):161–5

Benzene in the workplace. Brief RS, et al. **Am Ind Hyg Assoc J** 1980 Sep;41(9):616–23

Reproduction and fetal development in mice chronically exposed to enflurane. Wharton RS, et al. **Anesthesiology** 1981 Jun;54(6):505–10

Polychlorinated biphenyls (Aroclors 1016 and 1242): effects on survival and reproduction in mink and ferrets. Bleavins MR, et al. **Arch Environ Contam Toxicol** 1980;9(5):627–35

Effects of pulse exposure to sublethal levels of hydrogen cyanide on reproduction of American flagfish. Cheng SK, et al. **Arch Environ Contam Toxicol** 1981;10(1):105–16

Reproductive success of screech owls fed Aroclor 1248. McLane MA, et al. **Arch Environ Contam Toxicol** 1980; 9(6):661–5

Effect of different beta-adrenoceptor antagonists on reproduction in male mice. Deshpande VY, et al. **Arch Int Pharmacodyn Ther** 1981 Mar;250(1):131–6

Changes in the gonads, reproduction and generations of white rats under the effect of some pesticides. Ivanova–Chemishanska L, et al. **Arch Toxicol [Suppl]** 1980; (4):459–62

The suitability of carboxymethylcellulose as a vehicle in reproductive studies. Fritz H, et al. **Arzneimittelforsch** 1981; 31(5):813–5

Toxicity and reproduction studies of ceftizoxime sodium. Fukuhara K, et al. **Arzneimitteiforsch** 1980;30(10):1669–79

Reproductive toxicology of fenbufen. Jackson BA, et al. **Arzneimittelforsch** 1980;30(4A):725–8

Effects of chlorite exposure on conception rate and litters of A/J strain mice. Moore GS, et al. **Bull Environ Contam Toxicol** 1980;25(5):689–96

South Louisiana crude oil and DDE in the diet of mallard hens: Effects on reproduction and duckling survival. Vangilder LD, et al. **Bull Environ Contam Toxicol** 1980 Jul;25(1):23–8

Survival and fecundity of Daphnia pulex on exposure to particulate oil. Wong CK, et al. **Bull Environ Contam Toxicol** 1981 May;26(5):606–12

Effects on reproduction in the guppy (Poecilia reticulata) under chronic exposure to temephos and fenitrothion. Yasuno M, et al. **Bull Environ Contam Toxicol** 1980 Jul; 25(1):29–33

Chronic ingestion of cadmium and/or tritium. II. Effects on growth, development, and reproductive function. Laskey JW, et al. **Environ Res** 1980 Aug;22(2):466–75

Three–generation reproduction study of rats ingesting 2,4,5–trichlorophenoxyacetic acid in the diet. Smith FA, et al. **Food Cosmet Toxicol** 1981 Feb;19(1):41–5

Effects of daily melatonin injections on female reproduction in the white–footed mouse, Peromyscus leucopus. Margolis DJ, et al. **Gen Comp Endocrinol** 1981 Aug;44(4):530–7

Experiences and problems associated with usage of prostaglandins in countries other than the United States. Schultz RH. **J Am Vet Med Assoc** 1980 May 15;176(10 Spec No):1182–6

Role of prostaglandins in bovine reproduction. Seguin BE. **J Am Vet Med Assoc** 1980 May 15;176(10 Spec No):1178–81

Physiologic and pathophysiologic aspects of prostaglandin F2 alpha during the reproductive cycle. Stabenfeldt GH, et al. **J Am Vet Med Assoc** 1980 May 15;176(10 Spec No):1187–94

The biological properties of aspartame. IV. Effects on reproduction and lactation. Lennon HD, et al. **J Environ Pathol Toxicol** 1980 Jun–Jul;3(5–6):375–86

Insensitivity of tests for reproductive problems. Schwetz BA, et al. **J Environ Pathol Toxicol** 1980 Jun–Jul;3(5–6):81–98 (5 ref.)

Reproduction and growth of progeny of female mice mated after treatment with crufomate. Khan MA. **J Environ Sci Health [B]** 1981;16(2):141–57

Study on the long–term effects of some pesticides. Ivanova–Chemishanska L, et al. **J Hyg Epidemiol Microbiol Immunol** 1980;24(3):295–302

Influence of supplemental dietary vitamin A on the reproductive performance of iodine–toxic rats. Stowe HD, et al. **J Nutr** 1980 Oct;110(10):1947–57

The effect of arprinocid on the reproductive potential of a field isolate of Eimeria tenella. McManus EC. **J Parasitol** 1980 Dec;66(6):926–8

Chemotherapeutic oestrus control in the bitch and latest advances. Catton DG. **J S Afr Vet Assoc** 1980 Dec; 51(4):213–8 (49 ref.)

Multivariate analysis of the effects of manganese on the reproductive physiology and behavior of the male house mouse. Gray Le Jr, et al. **J Toxicol Environ Health** 1980 Jul;6(4):861–7

Eight–year toxicity study in monkeys and reproduction studies in rats and rabbits treated with probucol. Molello JA, et al. **J Toxicol Environ Health** 1980 May;6(3):529–45

Chronic treatment with Valium (diazepam) fails to affect the reproductive system of the male rat. Wilkinson M, et al. **Life Sci** 1980 Dec 8;27(23):2285–91

The effect of marijuana on reproduction and development. Harclerode J. **Natl Inst Drug Abuse Res Monogr Ser** 1980; (31):137–66 (132 ref.)

Reproductive dysfunction in male rats following neonatal administration of monosodium L–glutamate. Pizzi WJ, et al. **Neurobehav Toxicol** 1979 Spring;1(1):1–4

Effect of sex steroids on the reproductive behavior of castrated male ring doves (Streptopelia sp.). Adkins–Regan E. **Physiol Behav** 1981 Apr;26(4):561–5

Effect of dietary zearalenone on reproduction of chickens. Allen NK, et al. **Poult Sci** 1981 Jun;60(6):1165–74

Delayed reproductive development resulting from aflatoxicosis in juvenile Japanese quail. Doerr JA, et al. **Poult Sci** 1980 Sep;59(9):1995–2001

Reproductive performance of laying hens fed tungsten. Nell JA, et al. **Poult Sci** 1981 Jan;60(1):257–8

DDT–induced feminization of gull embryos. Fry DM, et al. **Science** 1981 Aug 21;213(4510):922–4

Reproduction studies with carprofen, a nonsteroidal anti–inflammatory agent in rats. McClain RM, et al. **Toxicol Appl Pharmacol** 1980 Dec;56(3):376–82

The effect of brewed and instant coffee on reproduction and teratogenesis in the rat. Nolen GA. **Toxicol Appl Pharmacol** 1981 Apr;58(2):171–83

Reproductive toxicity risk assessment of chemicals. Rao KS, et al. **Vet Hum Toxicol** 1981 Jun;23(3):167–75

Reduced reproductive potential of Fasciola hepatica surviving in cattle treated with albendazole. Lang BZ, et al. **VM SAC** 1980 Dec;75(12):1853–7

[Use, toxicity and effect of carbon disulfide on the female genital system and reproduction (a review)] Marinova G. **Akush Ginekol (Sofiia)** 1980;19(4):362–6 (10 ref.) (Eng. Abstr.) **(Bul)**

[Effect of large doses of sodium nitrite on the reproductive performance in the female rat] Hugot D, et al. **Ann Nutr Aliment** 1980;34(5–6):1115–25 (Eng. Abstr.) **(Fre)**

[Effects of psychotropic drugs on testicular and ovarian function and reproduction (author's transl)] Cohen J. **J Gynecol Obstet Biol Reprod (Paris)** 1981;10(3):249–58 (Eng. Abstr.) **(Fre)**

[Dominant lethal test in mice with repeated application of cadmium chloride] Bleyl DW, et al. **Arch Exp Veterinaermed** 1980;34(3):399–404 (Eng. Abstr.) **(Ger)**

[Effect of a birth–delaying tocolytic drug on health and reproduction of swine] Sommer H, et al. **Berl Muench Tieraerztl Wochenschr** 1980 Aug;93(15):284–6 (Eng. Abstr.) **(Ger)**

[Control of birth: about the influence on partus, puerperium, and rate of conception following the injection of flumethasone/dexamethasone (corticoids) and Planipart (beta–adrenergic agent) in cattle (author's transl)] Arbeiter K, et al. **DTW** 1980;87(7):249–51 (Eng. Abstr.) **(Ger)**

[Restoration of the menstrual and generative functions in genital endometriosis after treatment with various types of synthetic progestins] Nagovitsina AI, et al. **Akush Ginekol (Mosk)** 1980 Oct;(10):47–9 (Eng. Abstr.) **(Rus)**

[Effect of the new cholinolytic chlorozyl on reproductive physiology in the rat] Boĭkova VV, et al. **Farmakol Toksikol** 1981 Jan–Feb;44(1):93–5 **(Rus)**

[Effect of a physical load and vitamin– and trace element–enriched feed on the reproductive function of white rats under prolonged hypokinesia] Stroganova EA, et al. **Kosm Biol Aviakosm Med** 1980 Sep–Oct;14(5):63–5 (Eng. Abstr.) **(Rus)**

[Hormonal regulation of the processes of organism conception and development] Pobedinskiĭ NM. **Vestn Akad Med Nauk SSSR** 1980;(8):12–6 (Eng. Abstr.) **(Rus)**

[Effects of prenatal alcohol consumption upon fecundity, natality, growth, vaginal opening and sexual cycle in the rat (author's transl)] Fueyo–Silva A, et al. **Reproduccion** 1980 Jul–Sep;4(3):265–70 (Eng. Abstr.) **(Spa)**

RADIATION EFFECTS

Comparative litter and reproduction characteristics of mouse populations for 82 generations of X–irradiated male progenitors. Spalding JF, et al. **Proc Soc Exp Biol Med** 1981 Feb;166(2):237–40

[Effect of helium–neon laser radiation on reproductive processes and fetal development] Timoshchenko LV, et al. **Akush Ginekol (Sofiia)** 1980;19(5–6):402–5 **(Bul)**

[Radiodiagnosis and reproductive function] Lambotte R. **Bull Mem Acad R Med Belg** 1979 Oct 27;134(9):521–31 (Eng. Abstr.) **(Fre)**

REPRODUCTION, ASEXUAL see under **REPRODUCTION**

REPTILASE see under **PEPTIDE HYDROLASES**

REPTILES

Ophthalmic lesions in animals from a zoologic collection. Schmidt RE, et al. **J Wildl Dis** 1981 Apr;17(2):267–75

Use of a surgical adhesive drape in reptiles. Cooper JE. **Vet Rec** 1981 Jan 17;108(3):56

ANATOMY & HISTOLOGY

Ultrastructural and histochemical studies on the taste buds in some reptiles. Uchida T. **Arch Histol Jpn** 1980 Dec; 43(5):459–78

Organization of ascending spinal projections in Caiman crocodilus. Ebbesson SO, et al. **Cell Tissue Res** 1981; 215(2):383–95

Basal ganglionic pathways to the tectum: studies in reptiles. Reiner A, et al. **J Comp Neurol** 1980 Sep 15;193(2):565–89

Cells of origin of pathways descending to the spinal cord in some quadrupedal reptiles. ten Donkelaar HJ, et al. **J Comp Neurol** 1980 Aug 15;192(4):827–51

The brain of the mammal-like reptile Probainognathus jenseni (Therapsida, Cynodontia). A correlative paleo-neoneurological approach to the neocortex at the reptile-mammal transition. Quiroga JC. **J Hirnforsch** 1980; 21(3):299-336

The dentitions of the Tritheledontidae (therapsida: cynodontia). Gow CE. **Proc R Soc Lond [Biol]** 1980 Jul 17;208(1173):461-81

Further studies on cynodont endocasts (Reptilia--Therapsida). Quiroga JC. **Z Mikrosk Anat Forsch** 1980;94(4):580-92

[Electron microscopic studies of reptilian lung innervation] Welsch U, et al. **Z Mikrosk Anat Forsch** 1980;94(3):435-44 (Eng. Abstr.) **(Ger)**

[Ultrastructural studies of the alveolar epithelium of reptiles living in different habitats] Welsch U, et al. **Z Mikrosk Anat Forsch** 1980;94(3):479-503 (Eng. Abstr.) **(Ger)**

BLOOD

Analysis of bicarbonate binding to crocodilian hemoglobin. Bauer C, et al. **J Biol Chem** 1981 Aug 25;256(16):8429-35

Methemoglobin reduction in crocodile blood: are high levels of MetHb typical of healthy reptiles? Gruca M, et al. **J Exp Zool** 1980 Aug;213(2):305-8

Respiratory properties of the blood of Crocodylus porosus. Grigg GC, et al. **Respir Physiol** 1980 Sep;41(3):367-80

Nonpineal melatonin in the alligator (Alligator mississippiensis). Roth JJ, et al. **Science** 1980 Oct 31; 210(4469):548-50

[Hypothetical elements, hemoglobins and proteins in the blood of the Caiman crocodilus (Linneaus)] Ramírez F, et al. **Acta Cient Venez** 1978;29(4):268-73 (Eng. Abstr.) **(Spa)**

GENETICS

Evolutionary and developmental differences in delta-crystallin from bird and reptile lenses. Circular dichroism and fluorescence studies. Horwitz J, et al. **Biochim Biophys Acta** 1980 Jul 24;624(1):21-9

METABOLISM

The amino acid sequence of alligator (Alligator mississippiensis) myoglobin. Phylogenetic implications. Dene H, et al. **Biochim Biophys Acta** 1980 Aug 21; 624(2):397-408

The fecal bile acids and sterols of Alligator mississippiensis. Tint GS, et al. **Gastroenterology** 1981 Jul;81(1):114-9

[Characteristics of energy metabolism in the tissues of lake frogs and certain reptiles during prolonged deep hypothermia] L'vova SP. **Ukr Biokhim Zh** 1981 Jan-Feb; 53(1):16-20 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Salmonellosis in reptiles: a review. Chiodini RJ, et al. **Am J Epidemiol** 1981 May;113(5):494-9 (46 ref.)

Salmonellosis and arizonosis in the reptile collection at the National Zoological Park. Cambre RC, et al. **J Am Vet Med Assoc** 1980 Nov 1;177(9):800-3

Reptilian salmonellosis [editorial] **Lancet** 1981 Jul 18; 2(8238):130-1

PHYSIOLOGY

Comparative nephron function in reptiles, birds, and mammals. Dantzler WH, et al. **Am J Physiol** 1980 Sep; 239(3):R197-213 (115 ref.)

Comparison of the 'mammal machine' and the 'reptile machine': energy production. Else PL, et al. **Am J Physiol** 1981 Jan;240(1):R3-9

Comparative physiology of energy production: homeotherms and poikilotherms. Yates FE. **Am J Physiol** 1981 Jan; 240(1):R1-2

Anatomical evidence for an ascending somatosensory pathway to the telencephalon in crocodiles, Caiman crocodilus. Pritz MB, et al. **Exp Brain Res** 1980;40(3):342-5

Hypothalamic control of the pars distalis in fishes, amphibians, and reptiles. Ball JN. **Gen Comp Endocrinol** 1981 Jun;44(2):135-70 (260 ref.)

Respiratory properties of whole blood and hemoglobin from the burrowing reptile, Amphisbaena alba. Johansen K, et al. **J Exp Zool** 1980 Oct;214(1):71-7

Circadian rhythm of extraretinal photosensitivity in hatchling alligators, Alligator mississippiensis. Kavaliers M. **Photochem Photobiol** 1980 Jul;32(1):67-70

Encephalic photoreceptor involvement in the entrainment and control of circadian activity of young American alligators. Kavaliers M, et al. **Physiol Behav** 1981 Mar; 26(3):413-8

RESCINNAMINE see under **RESERPINE**

RESEARCH

see related
INFORMATION SERVICES
OPERATIONS RESEARCH

The foundation. Issues in human subject occupational therapy research. Schwartzberg SL. **AJOT** 1980 Aug;34(8):537-8

The right track. Thomas L. **Ala J Med Sci** 1980 Jul-Oct; 17(3-4):335-9

Research programs and services. **Am Ann Deaf** 1981 Apr; 126(2):281-97

The pharmaceutical industry and academe: partners in progress. Bearn AG. **Am J Med** 1981 Jul;71(1):81-8

Family influence in the recruitment of schizophrenic research subjects. Ketai R, et al. **Am J Psychiatry** 1981 Mar; 138(3):351-4

Consciousness disciplines: immune to scientific investigation? [letter] Kirsten M. **Am J Psychiatry** 1981 Feb;138(2):260-1

Identifying biohazards in university research. Dreesen DW. **Am J Public Health** 1980 Oct;70(10):1108-10

Contributions and needs of animal health and disease research. King NB. **Am J Vet Res** 1981 Jul;42(7):1093-108

Science, ethics, and due process [editorial] Durant JR. **Ann Intern Med** 1981 Jul;95(1):116-7

Nutrition interactions of government, academia, and the private sector: closing remarks. Hegsted DM. **Ann NY Acad Sci** 1980;355:366-70

Communication disorders: investigator training and support needs. Lawrence M. **Ann Otol Rhinol Laryngol [Suppl]** 1980 Sep-Oct;89(5 Pt 2 Suppl 74):9-11

Changing priorities. Sperry RW. **Annu Rev Neurosci** 1981; 4:1-15

Implementing research in clinical settings. Bowie RB. **AORN J** 1981 May;33(6):1075-7

Nurses' attitudes toward research. Rettig FM. **AORN J** 1980 Jun;31(7):1251, 1254-5

Research language. Rettig FM. **AORN J** 1980 Aug; 32(2):275-6, 278 passim

Preparing a written research report. Southby JR. **AORN J** 1981 Mar;33(4):719-30

Research and risk [editorial] **Br Med J** 1980 Jun 14; 280(6229):1391-2

Statistics and ethics in medical research. Misuse of statistics is unethical. Altman DG. **Br Med J** 1980 Nov 1; 281(6249):1182-4

Statistics and ethics in medical research: III How large a sample? Altman DG. **Br Med J** 1980 Nov 15; 281(6251):1336-8

Statistics and ethics in medical research. VI--Presentation of results. Altman DG. **Br Med J** 1980 Dec 6; 281(6254):1542-4

Statistics and ethics in medical research: V--Analysing data. Altman DG. **Br Med J** 1980 Nov 29;281(6253):1473-5

Statistics and ethics in medical research. Collecting and screening data. Altman DG. **Br Med J** 1980 Nov 22; 281(6252):1399-401

Statistics and ethics in medical research. VII--Interpreting results. Altman DG. **Br Med J** 1980 Dec 13; 281(6255):1612-4

Research in the NHS [editorial] **Br Med J [Clin Res]** 1981 Jun 13;282(6280):1912-3

Statistics and ethics in medical research. VIII-Improving the quality of statistics in medical journals. Altman DG. **Br Med J [Clin Res]** 1981 Jan 3;282(6257):44-6

Statistics and ethics in medical research [letter] Dobbing J. **Br Med J [Clin Res]** 1981 Mar 21;282(6268):990

Research ethical committees in Scotland. Thompson IE, et al. **Br Med J [Clin Res]** 1981 Feb 28;282(6265):718-20

Informed consent: psychotic patients and research. Mills MJ, et al. **Bull Am Acad Psychiatry Law** 1980;8(2):119-32

Biomedical research: in universities or in independent or affiliated research institutes? [editorial] Genest J. **Can Med Assoc J** 1981 Feb 1;124(3):249-51

Why do research? Black D. **Clin Sci** 1981 Sep;61(3):362-3

Advice from a not so young medical scientist. Peart WS. **Clin Sci** 1981 Sep;61(3):364-8

Communicating nursing research volume 13: directions for the 1980s. **Commun Nurs Res** 1980;13:1-72

Research by medical students [editorial] Volle RL. **Conn Med** 1981 Jul;45(7):469-70

Diabetes research and training centers: science, application, training, and translation. Hansen BC, et al. **Diabetes Care** 1980 Jul-Aug;3(4):548-53

The chief scientist reports. the Biomedical Research Committee. Moir AT. **Health Bull (Edinb)** 1981 Mar; 39(2):133-8

Cancer Researchers take stock; then lay it on line for Congress [news] **Hosp Pract** 1980 Nov;15(11):25, 29

Directory of on-going research in cancer epidemiology. 1980. **IARC Sci Publ** 1980;(35):1-660

Research needs in liver diseases in India [editorial] Nayak NC. **Indian J Pediatr** 1980 Nov-Dec;47(389):525-9

Research as an inactional situation: objectivity in the interview. Davis AJ. **Int J Nurs Stud** 1980;17(4):215-20

Do the topics in rehabilitation research correspond with the frequencies of rehabilitation cases? Bintig A, et al. **Int J Rehabil Res** 1980;3(4):529-31

Unification of nursing practice, education and research. Ford LC. **Int Nurs Rev** 1980 Nov-Dec;27(6):178-83, 192

Development of microsurgery in research: chronological events. Lee S. **Int Surg** 1980 Nov-Dec;65(6):485-8

The problems of safeguarding the community's interest if students are doing research. Altschul AT. **J Adv Nurs** 1981 May;6(3):239

The pros and cons of having a nurse education research unit in a university. Cox C. **J Adv Nurs** 1981 May;6(3):237-8

The pros and cons of having a nursing research unit in a university. Hockey L. **J Adv Nurs** 1981 May;6(3):235-7

Indicators for nursing practice: the use of research findings. Hunt J. **J Adv Nurs** 1981 May;6(3):189-94

Nursing research and higher education. Lelean SR. **J Adv Nurs** 1981 May;6(3):240-1

The contribution of research to the understanding of nursing. McFarlane J. **J Adv Nurs** 1981 May;6(3):231-5

Nursing research information: are nurse educators and practitioners seeking it out? Myco F. **J Adv Nurs** 1980 Nov; 5(6):637-46

The implementation of nursing research related to the nursing profession in Northern Ireland. Myco F. **J Adv Nurs** 1981 Jan;6(1):51-8

Clinical research in dental institutions as reported in selected dental journals. Martinoff JT, et al. **J Am Dent Assoc** 1980 Dec;101(6):919-22

IADR/AADR council proceedings, 58th general session and annual session, 1980. Abstracts, divisions and international sections, 1979. **J Dent Res** 1980 Nov;59:1654-927

Future of the IADR. Gray JA. **J Dent Res** 1980 Nov; 59:1658-16

Growing concerns. Mandel ID. **J Dent Res** 1980 Nov; 59:1696-9

Promotion and development of research in traditional medicine: the WHO role in countries of the Eastern Mediterranean Region. Baasher T. **J Ethnopharmacol** 1980 Mar;2(1):75-9

Integrating community based research into residency training. Demers RY. **J Fam Pract** 1981 Apr;12(4):675-9

Health services research: a crucial and underfunded need. Geyman JP. **J Fam Pract** 1980 Aug;11(2):195-6

Consensus Development for research and patient care [editorial] Geyman JP. **J Fam Pract** 1980 Nov;11(6):843-4

Age, birth cohorts, and drinking: an illustration of the hazards of inferring effects from cohort data. Glenn ND. **J Gerontol** 1981 May;36(3):362-9

A bibliography of dental economic research. **J Health Polit Policy Law** 1981 Winter;5(4):687-9

Future directions in research on sexually transmitted diseases in homosexual men. Keynote address. Holmes KK. **J Homosex** 1980 Spring;5(3):317-24

Clinical medicine and clinical research: an appraisal. Basu AK. **J Indian Med Assoc** 1981 Mar 1;76(5):89-91

The continuous quest. Eckstein JW. **J Iowa Med Soc** 1981 Apr;71(4):140-2

Compensation for human research subjects: reform ahead of its time? Cooper PJ. **J Leg Med (Chicago)** 1980 Oct; 2(1):1-13

Taboos and clinical research in West Africa. Ajayi OO. **J Med Ethics** 1980 Jun;6(2):61-3

Physician-investigator/patient-subject: exploring the logic and the tension. Churchill LR. **J Med Philos** 1980 Sep; 5(3):215-24

Principles of ethics in animal experimentation [letter] Stevens C. **J Med Primatol** 1980;9(3):211-2

Marketing nursing research. Fine RB. **J Nurs Adm** 1980 Nov; 10(11):21-3

Evaluating research requests: a model for the nursing director. Gulick EE. **J Nurs Adm** 1981 Jan;11(1):26-30

Risks of research in children [editorial] Lascari AD. **J Pediatr** 1981 May;98(5):759-60

Research training in pediatric psychology. Routh DK. **J Pediatr Psychol** 1980 Sep;5(3):287-93

Special report: report of the Committee on Scientific Investigation of the American Academy of Restorative Dentistry. Jendersen MD, et al. **J Prosthet Dent** 1981 Jun; 45(6):643-69

Surgical research: a survey. Chetty U, et al. **J R Coll Surg Edinb** 1981 Mar;26(2):110-3

Application of recent pharmacological research to the clinical practice of anaesthesia. Dundee JW. **J R Soc Med** 1980 Oct;73(10):695-7

Basic research by medical students. Ross CA. **J R Soc Med** 1981 Jan;74(1):7-10

Medical research and national economics [editorial] Weatherall M. **J R Soc Med** 1981 Jun;74(6):407-8

Biomedical research in South Carolina. Donald AG, et al. **J SC Med Assoc** 1980 Oct;76(10):483-4

The research dilemma. Crase D. **J Sch Health** 1980 Oct; 50(8):467-9

Voice therapy: a need for research. Reed CG. **J Speech Hear Disord** 1980 May;45(2):157-69

Guidelines for the administration of alcohol to human subjects in behavioral research. Lawson DM, et al. **J Stud Alcohol** 1980 Sep;41(9):871-81

The Ingelfinger rule [editorial] Grouse LD. **JAMA** 1981 Jan 23-30;245(4):375-6

The scientific mind at work (and play) [interview] Jacob HS, et al. **JAMA** 1981 Jul 3;246(1):25-9

Lasker medical research awards a 35-year tradition [news] Johnson RS. **JAMA** 1981 Jan 23-30;245(4):323-5

The science of limitations. Scott JA. **JAMA** 1981 Sep 4; 246(10):1076

Louisa Burns Memorial Lecture 1981: Planning, developing, and conducting osteopathic clinical research. Kelso AF. **JAOA** 1981 Jul;80(11):744-8

The physician-scientist: past, present and future. Menkes JH. **Johns Hopkins Med J** 1981 Apr;148(4):175-8

Commissioning research [editorial] **Lancet** 1981 Feb 7; 1(8215):312-3

Consent for minors to participate in nontherapeutic research. Furlow TG. **Leg Med** 1980;:261-73

Proposing a hypothesis: a mere matter of madness? Elomaa E. **Med Hypotheses** 1980 Aug;6(8):883

Presidential Address. A look down the road. Dennis C. **Med Instrum** 1980 Jul-Aug;14(4):243-5

Microcomputer applications in biomedical research. Plexico PS. **Med Instrum** 1980 Nov-Dec;14(6):307-10
Research involving children--ethical considerations. Blackhall MI. **Med J Aust** 1980 Jul 12;2(1):1-2
International Biomedical Expedition to the Antarctic (IBEA) [editorial] Lugg DJ. **Med J Aust** 1980 Nov 29;2(11):587-8
WSU's faculty and administration dedicated to help solve citizens' cancer problems. Baker LH, et al. **Mich Med** 1981 Aug;80(23):395-6
The University of Michigan Clinical Research Center: a state resource. Fox IH. **Mich Med** 1981 Jul;80(20):371-2
At MSU, research projects span college, disciplinary boundaries. Swisher SN. **Mich Med** 1981 Aug;80(23):392-4
Biomedical research and illness: 1900-1979. Schneyer S, et al. **Milbank Mem Fund Q** 1981 Winter;59(1):44-58
The Department of Physical Medicine and Rehabilitation in the University of Minnesota Medical School--patient care, education, and research. Olson ME. **Minn Med** 1980 Aug; 63(8):557-62
Biomedical research and the marketplace [letter] **N Engl J Med** 1981 Sep 24;305(13):770
Military medical research abroad [letter] **N Engl J Med** 1980 Nov 13;303(20):1181
Sounding board. Compensation and cancer research. Ackerman TF, et al. **N Engl J Med** 1981 Sep 24; 305(13):760-3
Biomedical research enters the marketplace. Culliton BJ. **N Engl J Med** 1981 May 14;304(20):1195-201
Biomedical research in the 1980s. Fredrickson DS. **N Engl J Med** 1981 Feb 26;304(9):509-17
Congress and cancer research [news] **Nature** 1981 Jun 25; 291(5817):601
US biomedical research: against the tide [news] Dickson D. **Nature** 1981 Jul 9;292(5819):100
On research and the professionalization of nursing. Fawcett J. **Nurs Forum** 1980;19(3):310-8
A case for collaboration. Bishop BE. **Nurs Outlook** 1981 Feb; 29(2):110-8
Disseminating the results of nursing research. King D, et al. **Nurs Outlook** 1981 Mar;29(3):164-9
Undergraduate research. Van Bree NS. **Nurs Outlook** 1981 Jan;29(1):39-41
Knowledge for practice: directions for the future. Barnard KE. **Nurs Res** 1980 Jul-Aug;29(4):208-12
Research program development in a tertiary care setting. Fuhs MF, et al. **Nurs Res** 1981 Jan-Feb;30(1):24-7
Nursing research: out of the past and into the future. Gortner SR. **Nurs Res** 1980 Jul-Aug;29(4):204-7
Summary of 'Knowledge for practice' conference group discussions. Heinrich J, et al. **Nurs Res** 1980 Jul-Aug; 29(4):218
Confidentiality pledge for research grant staff. Martinson IM. **Nurs Res** 1980 Jul-Aug;29(4):261-2
Committee evolution in a medical center. Spross JA, et al. **Nurs Res** 1981 Jan-Feb;30(1):30-1
Ethics of recombinant DNA research and technology. An assessment of its risks and benefits. Franco VW. **NY State J Med** 1981 Jun;81(7):1035-44
Methodology in research applied to pediatric office practice. Frutiger P. **Paediatrician** 1980;9(5-6):269-77
Accidents in children: the potential contribution of the pediatrician to the field research approach. Jeanneret O, et al. **Paediatrician** 1980;9(5-6):358-67
List of medical research projects, Papua New Guinea approved, funded or noted by Medical Research Advisory Committee 1977 and 1978. **Papua New Guinea Med J** 1979 Mar;22(1):104-6
Research in pediatric practice. Nazarian LF. **Pediatr Clin North Am** 1981 Aug;28(3):585-99
Things are not so bad. Presidential address, American Pediatric Society, 1980 annual meeting, San Antonio, Texas. Dorfman A. **Pediatr Res** 1980 Sep;14(9):1023-4
Pediatric research: substance and process. Lowe CU. **Pediatr Res** 1981 Mar;15(3):205-13
Patients and populations: necessary links between the two approaches to pediatric research. Starfield B. **Pediatr Res** 1981 Jan;15(1):1-5
Prediction and control: the only aim of biological research? Hertel R. **Riv Biol** 1980 Winter;73(4):489-506 **(Eng, Ita)**
Research in general practice. Levenstein JH. **S Afr Med J** 1981 Feb 28;59(9):296-8
The part played by student scientific research in training physicians. Minyayev VA. **Sante Publique (Bucur)** 1980; 23(3):255-60
Medical student, his development and research methods. Introduction. Navrátil P. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1980;23(5):531-2
Cell culture versus animal experiments. Hensten-Pettersen A. **Scand J Dent Res** 1981 Feb;89(1):9-12
Ethics of Publishing results from research. Pindborg JJ. **Scand J Dent Res** 1981 Feb;89(1):12-5
Planning for a schizophrenia research program: a prototype. Grinker RR Sr. **Schizophr Bull** 1981;7(1):181-95
Fraud and the structure of science [news] Broad WJ. **Science** 1981 Apr 10;212(4491):137-41
Nutrition research: end of an empire [news] Broad WJ. **Science** 1981 Jul 31;213(4507):518-20
Team research: responsibility at the top [news] Broad WJ. **Science** 1981 Jul 3;213(4503):114-5
Research in EPA: A congressional point of view. Brown GE Jr, et al. **Science** 1981 Mar 27;211(4489):1385-90
Cancer researchers defend NCI against congressional attacks [news] Culliton BJ. **Science** 1981 Jul 3;213(4503):117
Gold pipettes make for tight lips [news] Wade N. **Science** 1981 Jun 19;212(4501):1368
The future for surgery and the surgical specialties through research and development. Hinman F Jr. **Surg Gynecol Obstet** 1981 Jun;152(6):833-6
Research [editorial] Bucy PC. **Surg Neurol** 1980 Jul;14(1):52
Presidential address: biomedical science and peripheral vascular surgery. Stanley JC. **Surgery** 1981 Jun;89(6):705-9
Clinical research methodology in ophthalmology. Kaiser-Kupfer MI. **Trans Am Ophthalmol Soc** 1980; 78:896-946
Currents and portents in biomedical research. Cross BA. **Vet Rec** 1981 Mar 7;108(10):202-6
ACMR gives priority to research on mental health and human behaviour. **WHO Chron** 1981 Jan;35(1):6-10
[Status and perspectives of experimental medical research] **Eksp Med Morfol** 1981;20(2):57-62 **(Bul)**
[On strengthening the combination of Chinese traditional and Western medicine in cardiovascular research (editorial) (author's transl)] Chen KJ. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1979;7(4):295 **(Chi)**
[On the strengthening of atherosclerosis research (editorial) (author's transl)] Lou FQ. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1979; 7(4):297-8 **(Chi)**
[Biological and medical bases of healthy development of man - selected results of Programme VII of the state plan of basic research in the years 1976-1980 (author's transl)] Houštěk AJ, et al. **Cas Lek Cesk** 1981 Jul 16;120(28):849-57 (Eng. Abstr.) **(Cze)**
[Medical problems in the State plan for basic research for 1981 to 1985] Houštěk AJ, et al. **Cas Lek Cesk** 1981 Apr 9;120(14):412-4 **(Cze)**
[Departmental plan for research at the Czechoslovak Ministry of Health and Education for 1981 to 1985] Houštěk AJ, et al. **Cas Lek Cesk** 1981 Apr 9;120(14):407-11 **(Cze)**
[The most important results of the departmental plan of research of the Czechoslovak Ministry of Health achieved in 1979] Houštěk J, et al. **Cas Lek Cesk** 1980 May 9; 119(19):543-6 **(Cze)**
[26th congress of the Communist Party of the Soviet Union and the 16th congress of the Czechoslovak Community Party. Developments and additional tasks of internal foreign politics] Petro M. **Cas Lek Cesk** 1981 May 21; 120(20):593-7 **(Cze)**
[Activities of the Scientific Council of the Czechoslovak Ministry of Health during 1980] Pudlák P. **Cas Lek Cesk** 1981 Apr 9;120(14):401-6 **(Cze)**
[Guidelines for experimental work on animals] Vyklický L. **Cesk Fysiol** 1980 Sep;29(5):385 **(Cze)**
[The excellence of scientific-medical information - a prerequisite of excellence in the scientific professions] Rauscher V. **Cesk Gynekol** 1980;45(10):697-9 **(Cze)**
[Advice on scientific research on the aged person] Goedhard WJ, et al. **Gerontologie** 1981 May;12(2):63-9 **(Dut)**
[Research as a learning process (author's transl)] de Groot AD. **Tijdschr Diergeneeskd** 1980 Aug 1;105(15):587-600 **(Dut)**
[What is the status of Finnish research?] Kääriäinen L. **Duodecim** 1980;96(23-24):1638-42 **(Fin)**
[Research by the clinician: an unavoidable activity. The example of the physicians of the Warsaw ghetto] Lefebvre P. **Bull Mem Acad R Med Belg** 1979 Nov 24;134(10):587-96 (Eng. Abstr.) **(Fre)**
[Therapeutic oncology in Europe: principles of organization and results] Tagnon HJ. **Bull Mem Acad R Med Belg** 1980 May 31;135(5):297-308 (Eng. Abstr.) **(Fre)**
['Feature cards': a simple and logical system for clinical research] Wilkin TJ, et al. **Nouv Presse Med** 1979 Feb 3; 8(6):445-6 **(Fre)**
[Research and planning in social insurance] Hollmann A. **Dtsch Med Wochenschr** 1981 Jan 23;106(4):123-4 **(Ger)**
[Man-animal relationship from an ethical, sociological and psychological point of view, its significance to animal protection request in animal experimentations (author's transl)] Gärtner K. **DTW** 1980;87(7):266-72 (Eng. Abstr.) **(Ger)**
[Medicine and pedagogy. Concepts, basics and consequences. Part 9. Presentation and reading of research papers] Kissel D. **MMW** 1981 Feb 27;123(9):57-8 **(Ger)**
[Reflections on some vitamins and a modern vitaminology] Telegdy Kováts L, et al. **Nahrung** 1981;25(2):135-42 (Eng. Abstr.) **(Ger)**
[Medical and biological research. Between crisis and new horizons] Pletscher A. **ZFA (Stuttgart)** 1981 Jan 20; 57(2):49-57 **(Ger)**
[Organizational problems in a modern experimental surgery center] Picardi N. **Ann Ital Chir** 1980;52(6):693-702 **(Ita)**
[A new principle (letter)] Masoni A. **G Ital Cardiol** 1980; 10(12):1575-7 **(Ita)**
[Teaching methodology in medicine: experimentation] Poli E. **Med Secoli** 1979 Sep-Dec;16(3):245-65 **(Ita)**
[Educational research work of students during the polyclinic cycle of training as interns in therapeutics] Shul'ga IuD, et al. **Vrach Delo** 1980 Dec;(12):107-9 **(Rus)**
[Quantitative analysis of citations of scientific papers from the Institute for Medical Research and Occupational Medicine] Momčilović B, et al. **Arh Hig Rada Toksikol** 1981;31(4):299-312 (Eng. Abstr.) **(Scr)**
[Research in the Master's Degree program in Social Medicine] Laurell C, et al. **Educ Med Salud** 1981;15(1):60-9 (Eng. Abstr.) **(Spa)**
[Role of the WHO and PAHO in relation to national research policies] Pérez Miravete A. **Educ Med Salud** 1981; 15(1):8-20 (Eng. Abstr.) **(Spa)**
[The research of the World Health Organization on the response of the community to the problems of alcohol] Calderón-Narváez G, et al. **Gac Med Mex** 1980 Jun; 116(6):259-64 **(Spa)**
[The 'clinical expedient' and its importance in medical care and education. IV. The 'clinical expedient' as a research tool] Sánchez-Medal L. **Gac Med Mex** 1980 Nov; 116(11):490-1 **(Spa)**
[Postgraduate medical science research with a bibliographic update and reference to clinical pathology. (Review article)] Sellek A. **Rev Cubana Med Trop** 1980 Sep-Dec; 32(3):233-42 (Eng. Abstr.) **(Spa)**
[Ethical aspects of medical research (author's transl)] Chiorrini J. **Rev Med Chil** 1980 Oct;108(10):957-9 (Eng. Abstr.) **(Spa)**

HISTORY

Roast pig and scientific discovery. Part II. Comroe JH Jr. **Am Rev Respir Dis** 1977 Jun;115(6):1035-44
A historical dispute. Aitken R. **Clin Sci** 1981 Sep;61(3):360-2
Fiftieth anniversary. Medical Research Society. Introduction by the Chairman. Hoffenberg R. **Clin Sci** 1981 Sep; 61(3):355-6
Early days of the Medical Research Society. Pochin EE. **Clin Sci** 1981 Sep;61(3):357-60
High-powered research and the microscopic viewpoint. Stetten D Jr. **J Med Educ** 1981 Jan;56(1):3-7
The cost of not doing medical research. Gibson WC. **JAMA** 1980 Oct 17;244(16):1817-9
The founding and early history of the National Society for Medical Research. Grafton TS. **Lab Anim Sci** 1980 Aug; 30(4 Pt 2):759-64
[Increase in the efficiency of priority research in the scientific institutions of the Academy of Medical Sciences of the USSR] Chernukh AM, et al. **Vestn Akad Med Nauk SSSR** 1980;(4):22-8 **(Rus)**
[History of health research institutions in Latin America, 1880-1930] García JC. **Educ Med Salud** 1981;15(1):71-90 **(Spa)**

METHODS

Interpretation of research data: exploratory data analysis. Young WW. **Am J Hosp Pharm** 1980 Oct;37(10):1394-8
Intrapsychic structural effects of psychiatric research [letter] Braff DL. **Am J Psychiatry** 1980 Sep;137(9):1129-30
The research approach. Shipley SB. **AORN J** 1980 Dec; 32(6):994-9
Psychiatric diagnoses (Research Diagnostic Criteria) in symptomatic volunteers. Barrett J. **Arch Gen Psychiatry** 1981 Feb;38(2):153-7
The philosophy and nature of surgical research. Salter RB. **Can J Surg** 1980 Jul;23(4):349-54
The continuing need for both fundamental and clinical research in oncology. [editorial] Neville AM. **Clin Oncol** 1980 Sep;6(3):201-2
Down with multiple t-tests. Elashoff JD. **Gastroenterology** 1981 Mar;80(3):615-20
Obtaining access to data sources: an exploration of method, problems and possible solutions. Cormack DF. **J Adv Nurs** 1980 Jul;5(4):357-70
Taking animals out of the lab [editorial] Feldmann EG. **J Pharm Sci** 1980 Sep;69(9):I
Research methods workshop for health professionals in Sierra Leone: an international collaborative project. Harper AC, et al. **Med Educ** 1981 Sep;15(5):328-31
Instrumentation needs of research universities. Berlowitz L, et al. **Science** 1981 Mar 6;211(4486):1013-8
[Limits and problems in structural and functional analyses in biomedicine by means of correlation of stereologic-biochemical data] Reith A. **Gegenbaurs Morphol Jahrb** 1980;126(3):327-36 (Eng. Abstr.) **(Ger)**
[Methodological aspects of cooperation between social hygiene and specialized clinical fields] Rothe J, et al. **Z Gesamte Hyg** 1980;26(12):918-9 (Eng. Abstr.) **(Ger)**

STANDARDS

Protecting human subjects: the Federal Government steps back. Veatch RM. **Hastings Cent Rep** 1981 Jun;11(3):9-12
New regulations, new responsibilities for institutions. Wigodsky HS. **Hastings Cent Rep** 1981 Jun;11(3):12-4
On levels of description in speech research. Repp BH. **J Acoust Soc Am** 1981 May;69(5):1462-4
Assessing peer review for research. Davis RH, et al. **J Am Podiatry Assoc** 1981 Apr;71(4):224-9
Selecting and reading research articles [editorial] Gonnella JS. **J Med Educ** 1980 Oct;55(10):883-4
Ethics, surgery and clinical research [editorial] **J Med Ethics** 1980 Jun;6(2):51-2
Assessment of risk in research on children. Janofsky J, et al. **J Pediatr** 1981 May;98(5):842-6
Law-medicine notes: new ethical-review policy for clinical medical research. Curran WJ. **N Engl J Med** 1981 Apr 16;304(16):952-4

Who, not Congress, should police fraud? [news] **Nature** 1981 Apr 9;290(5806):433–4
Contaminated cell lines [news] Dickson D. **Nature** 1981 Jan 22;289(5795):227
Department of Health and Human Services regulations affecting psychopharmacology research. Reatig N. **Psychopharmacol Bull** 1981 Apr;17(2):56–65
Innovation and evaluation. Mosteller F. **Science** 1981 Feb 27;211(4485):881–6
A diversion of the quest for truth [news] Wade N. **Science** 1981 Mar 6;211(4486):1022–5
Criteria for evaluating spinal cord regeneration experiments [editorial] Guth L, et al. **Surg Neurol** 1980 Nov;14(5):392
[Do standard profiles of research and treatment exist? The example of myocardial infarction] Bloch Lemoine M. **Cah Sociol Demogr Med** 1980 Jul–Sep;20(3):150–1 **(Fre)**
[Truth must remain the basis of therapeutic research] Portmann G. **Rev Laryngol Otol Rhinol (Bord)** 1981 Jan–Feb;102(1–2):3–9 (Eng. Abstr.) **(Fre)**

UTILIZATION

Research in physical therapy: philosophy, barriers to involvement, and use among California physical therapists. Ballin AJ, et al. **Phys Ther** 1980 Jul;60(7):888–95

RESEARCH DESIGN

On the generalization of surgical trial results. van der Linden W. **Acta Chir Scand** 1980;146(4):229–34
Paired t test, negative intraclass correlations, and case-control studies [letter] Chen MK. **Am J Clin Nutr** 1981 May;34(5):959–61
Measurement of variables: data quality control. Johnstone FD, et al. **Am J Clin Nutr** 1981 Apr;34(Suppl 4):804–6
Research design. Lechtig A. **Am J Clin Nutr** 1981 Apr; 34(Suppl 4):814–7
Selection bias in epidemiologic studies. Kleinbaum DG, et al. **Am J Epidemiol** 1981 Apr;113(4):452–63
Interpretation of research data: selected statistical procedures. Jackson RA. **Am J Hosp Pharm** 1980 Dec; 37(12):1673–80
Problems with evaluations of clinical pharmaceutical services [letter] Park GD, et al. **Am J Hosp Pharm** 1980 Oct; 37(10):1290, 1292
Interpretation of research data: hypothesis testing. Stolar MH. **Am J Hosp Pharm** 1980 Nov;37(11):1539–45
Interpretation of research data: other multivariate methods. Zelnio RN, et al. **Am J Hosp Pharm** 1981 Mar;38(3):369–76
Potentials of local health surveys: a state-of-the-art summary. Aday LA, et al. **Am J Public Health** 1981 Aug; 71(8):835–40
The ethics of consumer protection research. Renaud M. **Am J Public Health** 1980 Oct;70(10):1098–9
Experimental design for study of cardiopulmonary resuscitation in dogs. Barsan WG, et al. **Ann Emerg Med** 1981 Mar;10(3):135–7
Introductory remarks: the design of protocols for the study of phenotypic expression in hepatocyte monolayers. Potter VR. **Ann NY Acad Sci** 1980;349:67–9
Data analysis and statistics. Marciniak SP, et al. **AORN J** 1981 Feb;33(2):289–7
Assessing research for clinical use. Rettig FM. **AORN J** 1981 Apr;33(5):873–81
Proposed rehabilitation research or demonstration projects: estimating target population size. Fuhrer MJ, et al. **Arch Phys Med Rehabil** 1981 Apr;62(4):156–60
Why data bases should not replace randomized clinical trials. Byar DP. **Biometrics** 1980 Jun;36(2):337–42
Randomization tests when there are non-responders [letter] Kshirsagar AM. **Biometrics** 1980 Sep;36(3):552–3
On approximate sample sizes for comparing two independent proportions with the use of Yates' correction. Ury HK, et al. **Biometrics** 1980 Jun;36(2):347–51
Optimal designs for the analysis of interactive effects of two carcinogens or other toxicants. Wahrendorf J, et al. **Biometrics** 1981 Mar;37(1):45–54
Large sample formulae for the expected number of matches in a category matched design. Walter SD. **Biometrics** 1980 Jun;36(2):285–91
The treatment of advanced stage favorable histology non-Hodgkin's lymphoma: a preliminary report of a randomized trial comparing single agent chemotherapy, combination chemotherapy, and whole body irradiation. Hoppe RT, et al. **Blood** 1981 Sep;58(3):592–8
Physiological changes which may result from in vivo experimental conditions. Johnson RJ, et al. **Br J Cancer [Suppl]** 1980 Apr;41(Suppl 4):106–7
Assessing clinical trials– double-blind trials. Gore SM. **Br Med J [Clin Res]** 1981 Jul 11;283(6248):122–4
Assessing clinical trials—design I. Gore SM. **Br Med J [Clin Res]** 1981 May 30;282(6278):1780–1
Assessing clinical trials—why randomise? Gore SM. **Br Med J [Clin Res]** 1981 Jun 13;282(6280):1958–60
Assessing clinical trials—simple randomisation. Gore SM. **Br Med J [Clin Res]** 1981 Jun 20;282(6281):2036–9
Assessing clinical trials—restricted randomisation. Gore SM. **Br Med J [Clin Res]** 1981 Jun 27;282(6282):2114–7
How to read clinical journals: V: To distinguish useful from useless or even harmful therapy. **Can Med Assoc J** 1981 May 1;124(9):1156–62
Reporting results of cancer treatment. Miller AB, et al. **Cancer** 1981 Jan 1;47(1):207–14
The importance of the stable category for chemotherapy treated patients with advanced and relapsing prostate cancer. Slack NH, et al. **Cancer** 1980 Dec 1;46(11):2393–402
Editorial: a classification system for protocol deviations in clinical trials. Wolf GT, et al. **Cancer Clin Trials** 1980 Summer;3(2):101–3
Proceedings of the Symposium on Designs for Clinical Cancer Reseach. Discussion I: Basic design considerations. **Cancer Treat Rep** 1980 Feb–Mar;64(2–3):411–7
Designing for cancer clinical trials: selection of prognostic factors. Brown BW Jr. **Cancer Treat Rep** 1980 Feb–Mar; 64(2–3):499–502
Proceedings of the Symposium on Designs for Clinical Cancer Research. Summary views: A statistician's perspective. Cox DR. **Cancer Treat Rep** 1980 Feb–Mar; 64(2–3):533–5
The research logic of radiation oncology in combined modality therapy. Rubin P, et al. **Cancer Treat Rep** 1980 Feb–Mar;64(2–3):473–80
A critique of the practice of comparing control data obtained at a single time point to experimental data obtained at multiple time points. Burns ER. **Cell Tissue Kinet** 1981 Mar; 14(2):219–24
Chronobiologic study design in everyday life, clinic and laboratory. Halberg E, et al. **Chronobiologia** 1980 Jan–Mar; 7(1):95–120
Drug concentrations in neuropsychiatry. Methodological pitfalls: the influence of experimental design on results. Curry SH. **Ciba Found Symp** 1979;(74):35–49
Clinical biostatistics. LIII. The architecture of observer/method variability and other types of process research. Feinstein AR, et al. **Clin Pharmacol Ther** 1980 Oct;28(4):551–63
A computer program suitable for analysis of choice of categories in biomedical data recognition problems. Hess CF, et al. **Comput Programs Biomed** 1980 Aug;12(1):55–9
DALE—a system for developing computer-aided biomedical experiments. Radford DA, et al. **Comput Programs Biomed** 1980 Aug;12(1):45–50
Controlled clinical trials: today's challenges for statisticians and designers. Boissel JP. **Controlled Clin Trials** 1981 May; 1(4):333–7
Patient registration in a cooperative oncology group. Herson J. **Controlled Clin Trials** 1980 Sep;1(2):101–10
Stratification in the design of a clinical trial. Meier P. **Controlled Clin Trials** 1981 May;1(4):355–61
Sample sizes for long-term medical trial with time-dependent dropout and event rates. Wu M, et al. **Controlled Clin Trials** 1980 Sep;1(2):111–23
Some simple approaches to the analysis of dichotomous longitudinal data. Plewis I. **Dev Med Child Neurol** 1980 Oct;22(5):671–4
How mystic is a statistic? Linn MW. **Diabetes Care** 1981 Mar–Apr;4(2):329–31
Without double blind randomization, what can we conclude? [letter] Elashoff JD. **Dig Dis Sci** 1980 Dec;25(12):972–3
Loudness discomfort level for speech: comparison of two instructional sets for saturation sound pressure level selection. Beattie RC, et al. **Ear Hear** 1980 Jul–Aug; 1(4):197–205
Effects of a competing message on the speech comfortable loudness level for two instructional sets. Beattie RC, et al. **Ear Hear** 1980 Sep–Oct;1(5):242–8
Loudness discomfort levels of hearing-impaired listeners using speech material. Edgerton BJ, et al. **Ear Hear** 1980 Jul–Aug;1(4):206–10
Inter- versus intrasubject variability in acoustic immitance. Jerger J, et al. **Ear Hear** 1980 Nov–Dec;1(6):338–40
Proceedings of the Symposium on Experimental Models for Pulmonary Research. Summary and future research needs. Bromberg PA, et al. **Environ Health Perspect** 1980 Apr; 35:199–202
Problems associated with the application of short-term tests for mutagenicity in mass-screening programs. de Serres FJ. **Environ Mutagen** 1979;1(3):203–8
The importance of statistical evaluation and experimental design in the interpretation of data from cancer microdetector studies. Anderson JM, et al. **Eur J Cancer** 1980 Jul;16(7):965–7
The experiment that wasn't: a case report in clinical geriatric research. Ratzan RM. **Gerontologist** 1981 Jun;21(3):297–302
Time out of joint: 25 days in a sleep lab. Sobel D. **Hastings Cent Rep** 1981 Feb;11(1):5–7
On being caught up in time. Nydegger CN. **Hum Dev** 1981; 24(1):1–12
A simple nonparametric procedure: the MAXIMIN test. Matos L, et al. **Int J Clin Pharmacol Ther Toxicol** 1981 Jan;19(1):34–5
Control of confounding in the assessment of medical technology. Greenland S, et al. **Int J Epidemiol** 1980 Dec; 9(4):361–7
Research in a rehabilitation agency. Gillman AE, et al. **Int J Rehabil Res** 1980;3(1):79–80
Design problems in research on rehabilitation after brain damage. Baddeley A, et al. **Int Rehabil Med** 1980; 2(3):138–42
Determining individual loudness scales from binary comparisons of loudness intervals. Schneider B. **J Acoust Soc Am** 1981 Apr;69(4):1208–9
Making use of unsolicited research data. Cormack DF. **J Adv Nurs** 1981 Jan;6(1):41–9
Mail survey limitations [letter] Kamen AL. **J Am Dent Assoc** 1980 Oct;101(4):598
A distributed computer network using microcomputers for on-line data processing in clinical monitoring and medical research. Allen R. **J Biomed Eng** 1980 Oct;2(4):299–304
An algebraic analysis of biases due to exclusion, susceptibility, and protopathic prescription in case-control research. Feinstein AR, et al. **J Chronic Dis** 1981;34(8):393–403
A suggestion on the handling of ties in sequential analysis. Garb S, et al. **J Clin Pharmacol** 1980 Oct;20(10):596–7
Advantages and drawbacks of the Zelen design for randomized clinical trials. Horwitz RI, et al. **J Clin Pharmacol** 1980 Jul;20(7):425–7
The case control or retrospective study in retrospect. Smith MW. **J Clin Pharmacol** 1981 Jul;21(7):269–74
Modifiability of fluid intelligence in aging [letter] Donaldson G. **J Gerontol** 1981 Sep;36(5):634–8
Measuring effect magnitude in repeated measures ANOVA designs: implications for gerontological research. Susskind EC, et al. **J Gerontol** 1980 Nov;35(6):867–76
Comparative in vitro and in vivo antifungal activity of tolnaftate and various undecylenates: a rebuttal. Amsel LP. **J Pharm Sci** 1980 Jun;69(6):741–2
Medical science team to climb Mt Everest [news] **JAMA** 1981 Aug 7;246(6):589
A danger in matched-control studies. Gullen WH. **JAMA** 1980 Nov 21;244(20):2279–80
The controlled, randomised clinical trial — sacred duty or sacred cow? de Dombal FT. **Klin Wochenschr** 1980 Jul 1;58(13):649–52
Clinical science in the 1980s. Booth CC. **Lancet** 1980 Oct 25;2(8200):904–7
Statistics for clinicians. 5. One sample of paired observations (paired t test). O'Brien PC, et al. **Mayo Clin Proc** 1981 May;56(5):324–6
A new design for randomized clinical trials. The Clinical Oncological Society of Australia. **Med J Aust** 1981 Feb 21;1(4):161–2
The competing objectives of randomized trials [editorial] Sackett DL. **N Engl J Med** 1980 Oct 30;303(18):1059–60
Clinical nursing research: beyond the methods books. McHugh NG, et al. **Nurs Outlook** 1980 Jun;28(6):352–6
The Institutional Review Board: a case study of no-risk decisions in health-related research. Gortner SR, et al. **Nurs Res** 1981 Jan–Feb;30(1):21–4
Methodology corner: know thy data. Jacobsen BS. **Nurs Res** 1981 Jul–Aug;30(4):254–5
Nurse involvement in Institutional Review Boards; the service setting perspective. Robb SS. **Nurs Res** 1981 Jan–Feb;30(1):27–9
General methodology of clinical research. **Panminerva Med** 1980 Apr–Jun;22(2):53–60
Schistosoma mansoni: age-dependent susceptibility to immune elimination of schistosomula artificially introduced into preinfected mice. Blum K, et al. **Parasite Immunol** 1981 Spring;3(1):13–24
Comments on scientific process in clinical research. Blumberg BS. **Perspect Biol Med** 1980 Autumn;24(1):15–30
Inter- and intra-examiner variability in scoring supragingival plaque: II. Statistical analysis. Fleiss JL, et al. **Pharmacol Ther Dent** 1980;5(1–2):5–9
Inter- and intra-examiner variability in scoring supragingival plaque: I. The clinical study. Mann J, et al. **Pharmacol Ther Dent** 1980;5(1–2):1–4
Measurement and technical skills—neglected aspects of research education. Campbell SK. **Phys Ther** 1981 Apr; 61(4):523–4
Strength-duration curve: intrarater and interrater reliability. Nelson RM, et al. **Phys Ther** 1981 Jun;61(6):894–7
Design of parenteral magnesium load tests in weanling and young adult rats. Caddell JL. **Proc Soc Exp Biol Med** 1981 Feb;166(2):175–80
Bladder cancer and artificial sweeteners: a methodological issue. Bross ID. **Science** 1980 Oct;210(4468):447–8
Lamarck will not lie down [news] Lewin R. **Science** 1981 Jul 17;213(4505):316–21
On making clinical research count. Lippmann S, et al. **South Med J** 1981 Mar;74(3):349–50, 352
The National Survey of Stroke. Study design and methodology. Robins M, et al. **Stroke** 1981 Mar–Apr;12(2 Pt 2 Suppl 1):I7–11
Intra- and inter-observer variation in functional examination of the masticatory system. Carlsson GE, et al. **Swed Dent J** 1980;4(5):187–94
Experimental thymology has come of age. Miller JF. **Thymus** 1979 Sep;1(1–2):3–25 (109 ref.)
Problems and challenges in randomized trials: a commentary [editorial] Feinstein AR. **Triangle** 1980;19(3–4):77–81
Principles and problems of clinical trials: a European view. Tygstrup N. **Triangle** 1980;19(3–4):93–6
State and goals of gerontology in the Netherlands. **ZFA (Dresden)** 1980;35(2):101–8
[On how to perform clinical researches (author's transl)] Fei LM. **Chung Hua Wai Ko Tsa Chih** 1980 Mar;18(3):283–5 **(Chi)**
[Research policy in gerontology: 'Advice on programs and tools in gerontological research'] Tack PJ, et al. **Gerontologie** 1981 May;12(2):70–80 **(Dut)**
[Decision making in clinical research: a statistical approach] Lacaine F, et al. **Gastroenterol Clin Biol** 1980 Nov; 4(11):754–7 **(Fre)**
[Conversion of investigation results into practice, represented by the example of an exploratory program for health

control of children and youngsters between 0 and 18 years of age] Müller D, et al. **Paediatr Grenzgeb** 1979;18(6):443–9 (Eng. Abstr.) **(Ger)**

[The National Research Program 1A: a community-oriented intervention study. Methodological considerations on various types of studies] Gutzwiller F. **Soz Praeventivmed** 1980 Nov;25(5):244–9 (Eng. Abstr.) **(Ger)**

[The problem of formalization in medicine] Kienle G. **Ther Ggw** 1980 Dec;119(12):1407–21 **(Ger)**

[The field of methodology from the scientific theoretical viewpoint] Ewert G. **Z Gesamte Hyg** 1981;27(6):441–3 (Eng. Abstr.) **(Ger)**

[The interdisciplinary research situation and its scientific discipline] Parthey H. **Z Gesamte Hyg** 1981;27(6):443–8 (Eng. Abstr.) **(Ger)**

[Problems of world outlook and methodology of science integration in biological studies] Khododova IuD. **Ukr Biokhim Zh** 1981 Mar–Apr;53(2):122–8 (Eng. Abstr.) **(Rus)**

STANDARDS

The use of sequential analysis to improve the efficiency of co-twin control studies. Christian JC, et al. **Acta Genet Med Gemellol (Roma)** 1980;29(2):163–5

The balanced placebo design: methodological considerations. Rohsenow DJ, et al. **Addict Behav** 1981;6(2):107–22

The foundation: qualitative research and occupational therapy. Schmid H. **Am J Occup Ther** 1981 Feb;35(2):105–6

Selecting a research problem. Shipley SB. **AORN J** 1980 Sep;32(3):474–5, 478

The hypothesis: an educated guess. Shipley SB. **AORN J** 1980 Nov;32(5):860, 862, 864

Some considerations for objectively reported fingerprint scores. Johnson RP. **Birth Defects** 1979;15(6):501–9

Statistics and ethics in medical research: study design. Altman DG. **Br Med J** 1980 Nov 8;281(6250):1267–9

Protecting the scientific integrity of a clinical trial: some ethical dilemmas. Howard J, et al. **Clin Pharmacol Ther** 1981 May;29(5):561–9

WHO study of the progesterone IUD [letter] Sivin I. **Contraception** 1980 Jul;22(1):97–101

Toward more definitive clinical trials. Meinert CL. **Controlled Clin Trials** 1980 Dec;1(3):249–61

Quality of reports of clinical trials submitted by the drug industry to the Finnish and Swedish control authorities. Hemminki E. **Eur J Clin Pharmacol** 1981 Feb;19(3):157–65

First FDA medical device regulations will affect development of many experimental contraceptives [news] **Fam Plann Perspect** 1980 Jul–Aug;12(4):212–3

Statistical significance versus theoretical clarification: a comment on the Doane–Jacob and Grounds dispute. Blakar RM. **Fam Process** 1980 Sep;19(3):291–4

Tempests, teapots (and research design): rejoinder to Stanton and Todd. Wells RA. **Fam Process** 1980 Jun;19(2):177–8

Shortcomings of the National Crohn's Disease Study: the exclusion of azathioprine without adequate trial. Korelitz BI, et al. **Gastroenterology** 1981 Jan;80(1):193–6

Reports on glaucoma surgery [editorial] **Int Ophthalmol** 1979 Jul;1(3):preceding p. 139

Significance alone is not enough. Michalczyk AE, et al. **J Med Educ** 1980 Oct;55(10):834–8

Collaborative research development. Loomis ME, et al. **J Nurs Adm** 1980 Dec;10(12):32–5

Coffee and pancreatic cancer. The problems of etiologic science and epidemiologic case-control research. Feinstein AR, et al. **JAMA** 1981 Aug 28;246(9):957–61

Building a research alliance: a necessary first step. Baldwin A, et al. **JNE** 1980 Jun;19(6):30–3

A qualitative approach to the study of community adjustment. Taylor SJ, et al. **Monogr Am Assoc Ment Defic** 1981;(4):71–81

The influence of multiple scorers on cytogenetics study results. Whorton EB Jr, et al. **Mutat Res** 1981 Jun; 85(3):161–4

Demystifying the dissertation research proposal. Meleis AI. **Nurs Outlook** 1980 Dec;28(12):740–4

Writing a master's thesis. Rains B. **Nurs Outlook** 1980 Nov; 28(11):685–7

Safety first [editorial] Downs FS. **Nurs Res** 1980 Nov–Dec; 29(6):332

Was the study 'contaminated?' [letter] Altemeier WA 3d. **Pediatrics** 1981 May;67(5):752–3

The use of human observers in psychopharmacological research. Poling A, et al. **Pharmacol Biochem Behav** 1980 Aug;13(2):243–6

Evaluating medical research. Seay TA. **Primary Care** 1980 Dec;7(4):723–46

Some notes on the foundations and scope of intensive design. Chassan JB. **Psychiatry** 1981 Feb;44(1):34–8

Research issues in psychological studies of chronic dialysis. Osberg JW 3d, et al. **Psychiatry Res** 1980 Dec;3(3):307–14 (29 ref.)

The psychobiology of depression: report of the National Institute of Mental Health collaborative study—biological component. Introduction—overview of the study, [proceedings] Koslow SH, et al. **Psychopharmacol Bull** 1981 Jan;17(1):65–7

[Evaluation of medical practices] Battista RN. **Union Med Can** 1980 Oct;109(10):1462–7 (Eng. Abstr.) **(Fre)**

[Planning a morphologic experiment] Dobrovol'skiĭ GA. **Arkh Anat Gistol Embriol** 1981 Apr;80(4):95–101 **(Rus)**

RESEARCH, HEALTH SERVICES see **HEALTH SERVICES RESEARCH**

RESEARCH INSTITUTES see **ACADEMIES AND INSTITUTES**

RESEARCH PERSONNEL

The surgical pathologist as researcher. Silverberg SG. **Am J Clin Pathol** 1981 Mar;75(3 Suppl):453–6

The pharmacist as a drug research monitor. Sceusa NA, et al. **Am Pharm** 1981 Apr;21(4):44–6

Perceptions of the coordinating center: foreword. Lachin JM. **Controlled Clin Trials** 1980 Sep;1(2):125–6

Perceptions of the coordinating center: as viewed by a clinic coordinator. Overton HH. **Controlled Clin Trials** 1980 Sep; 1(2):133–6

Perceptions of the coordinating center: as viewed by the principal investigators. Prout TE. **Controlled Clin Trials** 1980 Sep;1(2):127–31

The threat of the stranger. Glazer M. **Hastings Cent Rep** 1980 Oct;10(5):25–31

The clinical pharmacist and research. Evans WE. **J Clin Pharmacol** 1981 May–Jun;21(5–6):241–4

Now for the latest news [editorial] McBride G. **JAMA** 1981 Jan 23–30;245(4):374–5

Building a research alliance: a necessary first step. Baldwin A, et al. **JNE** 1980 Jun;19(6):30–3

Clinical science in the 1980s. Booth CC. **Lancet** 1980 Oct 25;2(8200):904–7

M.D.-Ph.D. programs for increasing the supply of physician-scientists [letter] **N Engl J Med** 1981 Sep 17; 305(12):703–5

Minority Research Apprenticeship Program [letter] Merritt DH. **N Engl J Med** 1981 Jan 22;304(4):237

Alumni involvement in nursing research development. Schmitt MH, et al. **Nurs Outlook** 1980 Sep;28(9):572–4

Perspectives on support for the physician-scientist. Williams RM. **Trans Assoc Life Insur Med Dir Am** 1980;63:148–51

EDUCATION

Canada's Health Care Evaluation Seminars: an epilogue and evaluation. Baskin M, et al. **Can J Public Health** 1980 Sep–Oct;71(5):321–7

An integrated approach to training in research methodology and statistics. Brogan DR. **Int J Nurs Stud** 1980;17(2):101–6

The role of M.D.-Ph.D. training in increasing the supply of physician-scientists. Bickel JW, et al. **N Engl J Med** 1981 May 21;304(21):1265–8

Strategies to promote nursing research. Jacox A. **Nurs Res** 1980 Jul–Aug;29(4):213–7

Teaching research at the undergraduate level. Spruck M. **Nurs Res** 1980 Jul–Aug;29(4):257–9

Research preparation in baccalaureate nursing education. Thomas B, et al. **Nurs Res** 1980 Jul–Aug;29(4):259–61

MANPOWER

National policies and national experts. Basic requirements in developing countries. Stocking B, et al. **Lancet** 1981 Jan 17;1(8212):144–5

PSYCHOLOGY

Ideal attitudes of a nurse researcher. Rettig FM. **AORN J** 1980 Jul;32(1):62–4

STANDARDS

[Evaluation of women researchers] **Tanpakushitsu Kakusan Koso** 1981 Feb;26(2):189–92 **(Jpn)**

SUPPLY & DISTRIBUTION

Symposium on the academic physician: an endangered species: introductory remarks. Legato MJ. **Bull NY Acad Med** 1981 Jul–Aug;57(6):413–4

Surgery in academe: the myth and reality. A study in the contrasts between academic medicine and academic surgery. Moore FD. **Bull NY Acad Med** 1981 Jul–Aug; 57(6):439–53

Symposium on the academic physician: an endangered species. Recommendations for remedies. Their SO. **Bull NY Acad Med** 1981 Jul–Aug;57(6):480–7

Basic science and American business. Thomas L. **Bull NY Acad Med** 1981 Jul–Aug;57(6):493–502

The clinical investigator as an endangered species. Wyngaarden JB. **Bull NY Acad Med** 1981 Jul–Aug; 57(6):415–26

Research opportunities for medical students: an approach to the physician-investigator shortage. Bickel J, et al. **J Med Educ** 1980 Jul;55(7):567–73

Commitment to research: the most important ingredient [editorial] Martinson IM. **Res Nurs Health** 1980 Sep; 3(3):93–4

RESEARCH SUPPORT

Federally supported human nutrition research, training, and education [editorial] Fredrickson DS, et al. **Am J Clin Nutr** 1981 May;34(5):957–8

NIDR grants for extramural research in orthodontics [editorial] Salzmann JA. **Am J Orthod** 1981 May; 79(5):572–3

Hope, quackery, and orthodox health research. Gardner KD Jr. **Ann Intern Med** 1980 Sep;93(3):503–4

An investigation into nonscientist involvement in peer review: the National Institutes of Health example. Brown T, et al. **Ann NY Acad Sci** 1981;368:229–35

Improving grant applications for research in communicative disorders. Hanson DG, et al. **Ann Otol Rhinol Laryngol** 1980 May–Jun;89(3 Pt 1):257–61

Funding for nursing research. Rimm EA. **AORN J** 1981 Jul; 34(1):56–62

The public's perspective on academic medicine and clinical research. Stern AR. **Bull NY Acad Med** 1981 Jul–Aug; 57(6):476–9

Basic science and American business. Thomas L. **Bull NY Acad Med** 1981 Jul–Aug;57(6):493–502

The Queen Elizabeth II Canadian Research Fund for the Diseases of Children. **Can Med Assoc J** 1980 Dec 20; 123(12):1234

The pharmaceutical industry: promoting research in the '80s. Gray C. **Can Med Assoc J** 1981 Mar 15;124(6):787–92 contd

The Children's Hospital of Winnipeg Research Foundation. Haworth JC, et al. **Can Med Assoc J** 1980 Dec 20; 123(12):1233–4

Peer review and scientific method in clinical research [editorial] Morgan PP. **Can Med Assoc J** 1981 Feb 1; 124(3):251–3

Opinion: this business of science funding [editorial] Schloen LH, et al. **Clin Bull** 1980;10(4):135–7

Stabilizing support for biomedical research. McLoughlin WL. **Fed Proc** 1981 May 15;40(7):1979–82

Funding agencies and the research community. Lebowitz BD. **Gerontologist** 1981 Aug;21(4):382–7

Introduction: nonfederal aspects of the organization, funding, and use of health services research. Gibson G. **Health Serv Res** 1981 Spring;16(1):5–6

Has the republic no need of learning? [editorial] **J Hist Med Allied Sci** 1981 Jul;36(3):257–9

Factors adversely affecting research in sexually transmitted diseases among gay men. Ostrow DG. **J Homosex** 1980 Spring;5(3):329–32

The practical application of government-supported research [editorial] Cooper JA. **J Med Educ** 1981 Mar;56(3):207–10

Financial-ratio analysis and medical school management. Eastaugh SR. **J Med Educ** 1980 Dec;55(12):983–92

Medical research and national economics [editorial] Weatherall M. **J R Soc Med** 1981 Jun;74(6):407–8

Second therapy on supportive therapy in burn care. NIGMS activities related to trauma and burn research. **J Trauma** 1981 Aug;21(8 Suppl):742–9

New funds for Huntington's disease research [news] Gunby P. **JAMA** 1980 Oct 10;244(15):1659

Animal rights group awards research grant [news] Gunby P. **JAMA** 1981 May 8;245(18):1803

Trying new tricks [news] **Nature** 1980 Oct 30;287(5785):772

US research budget now in better shape [news] **Nature** 1980 Dec 25;288(5792):632

Congress complains [news] **Nature** 1981 Jun 11; 291(5815):444–5

NIH plan new overhead calculation [news] **Nature** 1981 Jun 18;291(5816):525

US biomedical research: against the tide [news] Dickson D. **Nature** 1981 Jul 9;292(5819):100

Born-again basics [news] Walgate R. **Nature** 1980 Nov 13; 288(5787):111

Tropical disease finance. World Bank acts [news] Walgate R. **Nature** 1981 Jun 18;291(5816):526–7

The postdoctoral research fellow in nursing: in between the cracks in the academic wall. Chenitz WC, et al. **Nurs Outlook** 1981 Jul;29(7):417–20

Pediatric research: substance and process. Lowe CU. **Pediatr Res** 1981 Mar;15(3):205–13

An evaluation of the educational foundation sponsored research program. Fisher JC, et al. **Plast Reconstr Surg** 1981 Jul;68(1):114–6

Guide to grant applications. Weinstein RD, et al. **Radiol Technol** 1981 Jan–Feb;52(4):397–408

Indirect costs [letter] **Science** 1981 Sep 11;213(4513):1198, 1200, 1202–3

Straus defends himself in Boston [news] Broad WJ. **Science** 1981 Jun 19;212(4501):1367–9

Hatch on NCI hearings [letter] Hatch OG. **Science** 1981 Jul 24;213(4506):392

Total reporting for scientific work. Mac Lane S. **Science** 1980 Oct 10;210(4466):158–63

Proposed changes in biomedical funding [editorial] Marston RQ. **Science** 1980 Nov 14;210(4471):721

Resources for research medicine [editorial] Muller S. **Science** 1981 Jun 12;212(4500):1219

The federal government's role in basic research [letter] Schmitt H. **Science** 1981 Jan 16;211(4479):226

Hatch batters NCI with straus case [news] Sun M. **Science** 1981 Jun 19;212(4501):1366

At long last, Linus Pauling lands NCI grant [news] Sun M. **Science** 1981 Jun 5;212(4499):1126–7

Cancer institute passes first test in senate [news] Sun M. **Science** 1981 Jun 5;212(4499):1122

NIH ponders pitfalls of industrial support [news] Sun M. **Science** 1981 Jul 3;213(4503):113–4

Carter transmits an interim budget [news] Walsh J.

Science 1981 Jan 30;211(4481):459–61

ECONOMICS

Health research at educational institutions: costs and accountability. The view from where the Department of HHS Inspector General sits [editorial] Lowe RB 3d. **Fed Proc** 1980 Nov;39(13):7a–10a

Tactics. Anderson PC. **J Am Acad Dermatol** 1981 Feb; 4(2):231–2

National policies and national experts. Basic requirements in developing countries. Stocking B, et al. **Lancet** 1981 Jan 17;1(8212):144–5

More ups and downs for US science [news] **Nature** 1980 Sep 11;287(5778):95–6

Reorganization of UK medical research [news] **Nature** 1980 Oct 23;287(5784):669

Sources of neuroscience research funding. Keller JT, et al. **Neurosurgery** 1981 Jan;8(1):118–28

National Science Foundation budgets: fiscal years 1982, 1982, and beyond [news] Branscomb LM. **Science** 1981 May 1; 212(4494):514–6

Indirect costs of federally supported research. Brown KT. **Science** 1981 Apr 24;212(4493):411–8

Grant length and budget stability at the National Institutes of Health. Kalberer JT Jr. **Science** 1981 Feb 13; 211(4483):675–80

LEGISLATION & JURISPRUDENCE

Cancer Researchers take stock; then lay it on line for Congress [news] **Hosp Pract** 1980 Nov;15(11):25, 29

TRENDS

Is there a federal philosophy about academic medicine. Fredrickson DS. **Bull NY Acad Med** 1981 Jul–Aug; 57(6):454–69

Symposium on the academic physician: an endangered species. Recommendations for remedies. Their SO. **Bull NY Acad Med** 1981 Jul–Aug;57(6):480–7

The clinical investigator as an endangered species. Wyngaarden JB. **Bull NY Acad Med** 1981 Jul–Aug; 57(6):415–26

Antipathy toward science [editorial] Cooper JA. **J Med Educ** 1980 Nov;55(11):968–70

Washington report: a conversation with Vincent T. DeVita, Jr., M.D. [interview by Daniel S. Greenberg] DeVita VT Jr. **N Engl J Med** 1980 Oct 23;303(17):1014–6

Research advances and resource constraints: dilemmas facing medical education. Perry DR, et al. **N Engl J Med** 1981 Aug 6;305(6):320–4

Perspectives on support for the physician-scientist. Williams RM. **Trans Assoc Life Insur Med Dir Am** 1980;63:148–51

RESERPINE

ADMINISTRATION & DOSAGE

Intra-arterial reserpine [letter] **Anesth Analg (Cleve)** 1980 Nov;59(11):889–90

Comination effect of reserpine with antitumor agents in L1210. Miyamoto K, et al. **Gan** 1980 Jun;71(3):408–14

[Experimental studies of intra-amniotic pargyline and/or reserpine for termination of midterm pregnancy (author's transl)] Zheng MQ. **Chung Hua Fu Chan Ko Tsa Chih** 1980; 15(2):105–7 **(Chi)**

[Renin-angiotensin-aldosterone system in patients with Itsenko-Cushing syndrome treated with chloditane and large doses of reserpine] Slavnov VN, et al. **Ter Arkh** 1980; 52(8):40–3 (Eng. Abstr.) **(Rus)**

[Treatment of hypertension with clofelin and adelfan-esidrex] Panikarskii VG. **Vrach Delo** 1980 Sep;(9):60–2 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Reserpine and breast cancer. Kewitz H, et al. **Arch Int Pharmacodyn Ther** 1980;Suppl:22–4

The influence of cimetidine, a histamine H2-receptor antagonist, on the gastric effects of reserpine in rats. Lau HK, et al. **Eur J Pharmacol** 1981 Mar 12;70(2):139–48

Reserpine. **IARC Monogr Eval Carcinog Risk Chem Hum** 1980;24:211–41 (77 ref.)

Effects of chronic amphetamine or reserpine on self-stimulation responding: animal model of depression? Leith NJ, et al. **Psychopharmacology (Berlin)** 1980; 72(1):9–15

ANALOGS & DERIVATIVES

Toxicity to tumour cells of diethylaminoreserpine. Lehnert S. **Br J Cancer [Suppl]** 1980 Apr;41(Suppl 4):222–5

Radioprotection of normal and malignant tissue in the mouse by diethylaminoreserpine. Lehnert S, et al. **Int J Radiat Biol** 1981 Jul;40(1):63–73

[Application of a new method of determining reserpine and rescinnamine in the control of commercial drugs] Di Simone L, et al. **Farmaco [Prat]** 1980 May;35(5):223–32 (Eng. Abstr.) **(Ita)**

ANALYSIS

[Application of a new method of determining reserpine and rescinnamine in the control of commercial drugs] Di Simone L, et al. **Farmaco [Prat]** 1980 May;35(5):223–32 (Eng. Abstr.) **(Ita)**

[Exposure to stress and enderpin levels in animal myocardium] Gariaev PP, et al. **Biull Eksp Biol Med** 1980 JUL;89(7):29–30 (Eng. Abstr.) **(Rus)**

[Enderpine level in the myocardium, adrenals and hypothalamus of persons who have died suddenly] Gariaev PP, et al. **Kardiologiia** 1980 Aug;20(8):58–61 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Depression of reserpine-induced muscular rigidity in rats after administration of lisuride into the spinal subarachnoid space. Bräutigam M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980;315(2):177–9

Antagonism of reserpine rigidity without inducing sedation. Southwick S, et al. **Psychopharmacology (Berlin)** 1981; 74(1):29–32

DIAGNOSTIC USE

[Behavior of plasma cortisol in the course of testing with lysine-8-vasopressin and with lysine-8-vasopressin + reserpine in normal subjects] Fierro A, et al. **Boll Soc Ital Biol Sper** 1979 Dec 30;55(24):2540–3 (Eng. Abstr.) **(Ita)**

[Behavior of plasma cortisol during testing with insulin and with LVP in obese subjects compared to normal subjects after reserpine administration] Giovannini C, et al. **Boll Soc Ital Biol Sper** 1979 Dec 30;55(24):2544–9 (Eng. Abstr.) **(Ita)**

METABOLISM

Mapping monoaminergic neurons with [3H]reserpine by autoradiography. Richards JG, et al. **Neuroscience** 1979; 4(7):937–50

PHARMACODYNAMICS

Differential effect of REM stimulating and REM inhibiting drugs (reserpine and amitriptylin) on memory. Faber J, et al. **Act Nerv Super (Praha)** 1981 Jun;23(2):169–71

Effect of inhibition of lipolysis on acute myocardial injury during coronary occlusion in normal and reserpinized dogs. Kjekshus JK. **Acta Med Scand [Suppl]** 1981;645:85–9

Physiological and pharmacologic effects on TH activity in rabbit and cat carotid body. Gonzalez C, et al. **Am J Physiol** 1981 Jan;240(1):R38–43

Lack of effect of morphine, reserpine, and halothane on oscillation of plasma insulin in M. mulatta. Hom FG, et al. **Am J Physiol** 1981 Jan;240(1):E1–4

Effects of reserpine, propranolol, and aminophylline on seizure activity and CNS cyclic nucleotides. Gross RA, et al. **Ann Neurol** 1979 Oct;6(4):296–301

Influences of Mg++ and reserpine on calcium fluxes and sensitivity of the rat aorta. Krishnamurty VS, et al. **Arch Int Pharmacodyn Ther** 1980 Jul;246(1):61–70

Effect of reserpine upon the haemodynamic course of recovery following experimental myocardial infarction. Kedem J, et al. **Arch Int Physiol Biochim** 1980 Oct; 88(4):427–36

Effects of preceding sensibilization by reserpine and haloperidol on toxicity of dopaminergic agonists. Schmidt J, et al. **Arch Toxicol [Suppl]** 1980;(4):479–81

Divergent reserpine effects on amfonelic acid and amphetamine stimulation of synaptosomal dopamine formation from phenylalanine. Bagchi SP, et al. **Biochem Pharmacol** 1980 Nov 1;29(21):2957–62

The direct effect of reserpine in vitro on prolactin release from rat anterior pituitary glands. Login IS, et al. **Brain Res** 1981 Jan 5;204(1):79–85

Monoamine replacement after reserpine: catecholaminergic agonists restore motor activity but phenylethylamine restores atropine-resistant neocortical low voltage fast activity. Vanderwolf CH, et al. **Brain Res** 1980 Nov 24; 202(1):65–77

Reserpine abolishes movement-correlated atropine-resistant neocortical low voltage fast activity. Vanderwolf CH, et al. **Brain Res** 1980 Nov 24;202(1):79–94

Comparison of behavioral changes in cats treated with intracerebroventricular 6-hydroxydopamine and reserpine. Beleslin DB, et al. **Brain Res Bull** 1981 Mar;6(3):285–7

Pituitary serotonin: responsiveness of levels to hormonal change and ultrastructural alterations associated with amine depletion. Nunez EA, et al. **Cell Tissue Res** 1980; 211(3):487–92

Comparison of reserpine-induced supersensitivity of newborn and adult rabbit ventricular muscles to cardiotonic agents. Park MK, et al. **Dev Pharmacol Ther** 1981;2(4):240–9

Role of alpha-adrenergic mechanism in regulating tonic luteinizing hormone release in conscious ovariectomized rats. Kinoshita F, et al. **Endocrinology** 1981 Apr; 108(4):1272–5

Terminals of reserpine-sensitive vasopressin-neurophysin neurons in the external layer of the rat median eminence. Seybold V, et al. **Endocrinology** 1981 May;108(5):1803–9

Influence of phenothiazines or reserpine on the formation of 14C-glycine from U-14C-serine. Gründig E, et al. **Enzyme** 1981;26(1):43–8

Effects of sympathetic denervation or chronic reserpine on potassium (42K) and chloride (36Cl) efflux from guinea-pig vas deferens. Urquilla PR, et al. **Eur J Pharmacol** 1980 Aug 22;66(1):11–9

Reserpine effect on the axonal transport of dopamine-beta-hydroxylase and tyrosine hydroxylase in rat brain. Levin BE. **Exp Neurol** 1981 Apr;72(1):99–112

Effect of cold, restraint, reserpine, and splanchnicotomy on the ornithine decarboxylase activity of rat adrenal medulla and cortex. Ramirez-Gonzalez D, et al. **Exp Neurol** 1981 Sep;73(3):632–41

Morphopharmacological analysis of the carcinogenic properties of N-methyl-N'-nitro-N-nitrosoguanidine. Gurkalo VK, et al. **Exp Pathol (Jena)** 1980;18(6):353–9

Reserpine prevents goldthioglucose hypothalamic lesions in mice. Briese E, et al. **Experientia** 1981 Jan 15;37(1):52–3

Indoleamines in the pineal complex of Lampetra planeri (Petromyzontidae). A fluorescence microscopic and microspectrofluorimetric study. Meineil A, et al. **J Neural Transm** 1980;48(2):65–83

Role of monoamines in behavior of reserpinized rats given tranylcypromine stereoisomers. Smith DF. **J Neural Transm** 1981;50(2–4):193–200

In vivo alteration of calcium turnover induced by reserpine in rat tissues. Heitz C, et al. **J Pharm Pharmacol** 1980 Sep; 32(9):666–8

Chronic reserpine treatment alters sensitivity and membrane potential of the rabbit saphenous artery. Abel PW, et al. **J Pharmacol Exp Ther** 1981 May;217(2):430–9

Effects of chronic reserpine administration on beta adrenergic receptors, adenylate cyclase and phosphodiesterase of the rat submandibular gland. Bylund DB, et al. **J Pharmacol Exp Ther** 1981 Jul;218(1):134–41

Effect of reserpine pretreatment on in vivo femoral arterial responses to vasodilator agents. Cauvin CA, et al. **J Pharmacol Exp Ther** 1981 Mar;216(3):447–52

Changes in beta adrenergic receptors in submaxillary glands of chronically reserpine- or isoproterenol-treated rats. Roscher AA, et al. **J Pharmacol Exp Ther** 1981 Feb; 216(2):419–24

Interactions of reserpine and morphine on rat intestinal transit. Stewart JJ. **J Pharmacol Exp Ther** 1981 Mar; 216(3):521–5

Effects of reserpine on monoamines and intestinal transit in the rat. Stewart JJ, et al. **J Pharmacol Exp Ther** 1981 May; 217(2):357–62

The effects of reserpine on motor activity and pallidal discharge in monkeys: implications for the genesis of akinesia. Iansek R. **J Physiol (Lond)** 1980 Apr;301:457–66

Differential effects of several dopamine uptake inhibitors and releasing agents on locomotor activity in normal and in reserpinized mice. Heikkila RE. **Life Sci** 1981 Apr 27; 28(17):1867–73

Effects of morphine and other centrally acting drugs on 3,4-dihydroxyphenylethylene glycol sulfate (DOPEG-SO4) in rat brain. Huff JW, et al. **Life Sci** 1980 Oct 20;27(16):1483–8

Effects of narcotic antagonists on L-dopa reversal of reserpine-induced catalepsy and blepharoptosis in mice. Namba MM, et al. **Life Sci** 1981 Apr 6;28(14):1629–36

Kinetic characteristics of newly synthesized 3H-5-HT in the brain of control and reserpinized mice. Evidence for the heterogeneous distribution of 5-HT in serotoninergic neurons. Morot-Gaudry Y, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Jul; 316(4):311–6

Effect of histamine in sinus node arrested with reserpine. Tuganowski W, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Aug; 313(1):9–10

Reserpine increases opiate-like peptide content and tyrosine hydroxylase activity in adrenal medullary chromaffin cells in culture. Wilson SP, et al. **Neuroscience** 1981;6(1):71–9

Composition of pulmonary lavage fluid in control and reserpine-treated rats following chronic isoproterenol and pilocarpine administration. Mawhinney TP, et al. **Pediatr Res** 1980 Jul;14(7):872–5

Effects of phencyclidine and methylphenidate on d-amphetamine-induced behaviors in reserpine pretreated rats. Fessler RG, et al. **Pharmacol Biochem Behav** 1980 Dec; 13(6):835–42

Effect of 5-hydroxytryptamine on isolated aortic strip preparations obtained from untreated and reserpine treated rabbits. Tayyaba B, et al. **Planta Med** 1981 Mar;41(3):295–7

Synthesis of enkephalins by adrenal medullary chromaffin cells: reserpine increases incorporation of radiolabeled amino acids. Wilson SP, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4364–8

Agonist selectivity of reserpine induced inotropic supersensitivity. Rodgers RL, et al. **Proc West Pharmacol Soc** 1981;24:233–6

Effects of electroconvulsive treatment on growth hormone secretion induced by monoamine receptor agonists in reserpine-pretreated rats. Balldin J, et al. **Psychoneuroendocrinology** 1980 Dec;5(4):329–37

The effects of reserpine, iproniazid and L-dopa on electrically-induced spinal cord seizures. Jobe PC, et al. **Res Commun Chem Pathol Pharmacol** 1980 Sep; 29(3):417–27

Effects of reserpine on the development of neuropsychogenic hypertension in dogs. Zeng GY, et al. **Sci Sin** 1980 Jun; 23(6):796–802

Maternal glucocorticoid hormones influence neurotransmitter phenotypic expression in embryos. Jonakait GM, et al. **Science** 1980 Oct 31;210(4469):551–3

PGO wave activity and cortical EEG in the reserpinized, anesthetized cat. Morgane PJ, et al. **Sleep** 1981;4(2):207–19

[Effect of drugs on memory and the metabolism of methionine in the brain (author's transl)] Faber J, et al. **Cesk Psychiatr** 1980 Jun;76(3):151–5 (Eng. Abstr.) **(Cze)**

[The non-specific pharmacodynamic action of chronic treatment with reserpine-like neuroadrenergic system antagonist (Raunervil) on the stability of sexual function] Simionescu S, et al. **Physiologie** 1981;18(2):89–97 **(Fre)**

[Effect of reserpine on monoamine uptake by rat brain synaptosomes] Blaschke M, et al. **Acta Biol Med Ger** 1980; 39(11–12):1205–12 (Eng. Abstr.) **(Ger)**

[Influence of the central dopaminergic system on GABAergic activity of the cerebellum. Initial results] Di Giorgio RM, et al. **Acta Neurol (Napoli)** 1981 Feb; 36(1):302–4 (Eng. Abstr.) **(Ita)**

[Influence of the central dopaminergic system on GABAergic activity of the cerebellum. Preliminary results] Di Giorgio RM, et al. **Acta Neurol [Quad] (Napoli)** 1981; 42:302–4 (Eng. Abstr.) **(Ita)**

[Induction of lactation in cattle after short-term hormonal treatment] Manunta G, et al. **Boll Soc Ital Biol Sper** 1981 Jan 30;57(2):172–8 (Eng. Abstr.) **(Ita)**

[Hormonal induction of lactation after short-term treatment in sheep. III.] Manunta G, et al. **Boll Soc Ital Biol Sper** 1981 Jan 30;57(2):165–71 (Eng. Abstr.) **(Ita)**

[Effects of reserpine on the granule-containing cells in the paracervical ganglion (Frankenhäuser) in mice: electron microscopic observations (author's transl)] Kitao K. **Hokkaido Igaku Zasshi** 1980 Jan;55(1):35–9 (Eng. Abstr.) **(Jpn)**

[Effect of reserpine on the ultrastructure and electrical instability of the heart] Beskrovnova NN, et al. **Arkh Patol** 1981;43(6):18–24 (Eng. Abstr.) **(Rus)**

[Influence of morphine and reserpine on the experimental effect of electrostimulation of biologically active points] Iasnetsov VV, et al. **Farmakol Toksikol** 1980 Mar–Apr; 43(2):161–4 (17 ref.) (Eng. Abstr.) **(Rus)**

[Neuropharmacological drugs effect on functional activity of rat brain] Dzhaliashvili TA, et al. **Ukr Biokhim Zh** 1981 Mar–Apr;53(2):109–14 (Eng. Abstr.) **(Rus)**

[Effect of reserpine on O- and N-demethylase activity in the liver of rats (author's transl)] Božeková L, et al. **Bratisl Lek Listy** 1981 Feb;75(2):161–6 (Eng. Abstr.) **(Slo)**

[Interference of magnesium in reserpine and aminophenazone interaction (author's transl)] Zábojníková M, et al. **Bratisl Lek Listy** 1981;75(6):677–80 (Eng. Abstr.) **(Slo)**

STANDARDS

[On the National Institute of Hygienic Sciences standard (the Japanese Pharmacopoeia standard) 'Reserpine Reference Standard (control 761)' (author's transl)] Ohta M. **Eisei Shikenjo Hokoku** 1980;98:132–3 (Eng. Abstr.) **(Jpn)**

THERAPEUTIC USE

Reflex sympathetic dystrophy syndrome [letter] Gould JS. **Ala J Med Sci** 1980 Apr;17(2):121–2

Sydenham's chorea: a possible presynaptic dopaminergic dysfunction initially. Naidu S, et al. **Ann Neurol** 1980 Oct; 8(4):445–7

Cutaneous microcirculation in systemic sclerosis and response to intra-arterial reserpine. Nilsen KH, et al. **Br Med J** 1980 Jun 14;280(6229):1408–11

Reserpine, hydrochlorothiazide and pituitary-gonadal hormones in hypertensive patients. Boyden TW, et al. **Eur J Clin Pharmacol** 1980 May;17(5):329–32

Reserpine added to neuroleptic-tricyclic in refractory schizophrenics. Bacher N, et al. **J Clin Psychiatry** 1981 Aug;42(8):326

Early sympathetic blockade for frostbite--is it of value? Bouwman DL, et al. **J Trauma** 1980 Sep;20(9):744–9

Comparative antihypertensive effects of a diuretic, reserpine, and hydralazine in the spontaneously hypertensive rat. Freis ED, et al. **Proc Soc Exp Biol Med** 1981 Mar; 166(3):364–8

Reserpine and alpha-methyldopa in the treatment of tardive dyskinesia. Huang CC, et al. **Psychopharmacology (Berlin)** 1981;73(4):359–62

Effects of reserpine and amphetamine on the development of hyperactivity in maternally deprived rat pups. Hofer MA. **Psychosom Med** 1980 Sep;42(5):513–20

[Hypertension treatment in a health resort] Brommer W, et al. **Med Welt** 1981 Apr 3;32(14):473–5 **(Ger)**

[Therapy of essential arterial hypertension. IV. Drugs with peripheral sympathetic action] Fossati C. **Clin Ter** 1980 May 31;93(4):457–79 (239 ref.) **(Ita)**

[The effect of reserpine on the morphine abstinence syndrome in mice (author's transl)] Kruszewska A, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 1979;34:133–9 **(Pol)**

[Effect of hypotensive drugs on plasma renin activity in primary hypertension] Zminkowska U. **Pol Tyg Lek** 1980 Aug 18;35(33):1261–4 (Eng. Abstr.) **(Pol)**

[Hemodynamic effects of hypotensive agents under adrenergic block in hypertension] Shchepotin BM, et al. **Kardiologiia** 1981 Mar;21(3):38–41 (Eng. Abstr.) **(Rus)**

[Adelphan-esidrex in the treatment of hypertension] Shchepotin BM, et al. **Vrach Delo** 1980 Dec;(12):27–30 (Eng. Abstr.) **(Rus)**

TOXICITY

A comparative study of the gastric ulcerogenic effects of stress and reserpine in rats with decreased stomach wall mast cell populations. Lau HK, et al. **Experientia** 1980 Aug 15;36(8):995–6

RESERVE CELL CARCINOMA see **CARCINOMA, OAT CELL**

RESIDENCE CHARACTERISTICS

Attitudes of family practice residents' spouses toward practice location. Yens DP, et al. **J Fam Pract** 1981 Apr; 12(4):761–3

Family extension and the elderly: economic, demographic, and family cycle factors. Kobrin FE. **J Gerontol** 1981 May; 36(3):370–7

[Social conditions of patients over 60 years of age with malignant tumors] Bebjaková D. **Cesk Zdrav** 1980 Dec; 28(12):491–5 (Eng. Abstr.) **(Slo)**

RESIDENCY, DENTAL see **INTERNSHIP AND RESIDENCY**

RESIDENCY, MEDICAL see **INTERNSHIP AND RESIDENCY**

RESIDENCY, NONMEDICAL see **INTERNSHIP, NONMEDICAL**

RESIDENTIAL FACILITIES

Parasitic disease control in a residential facility for the mentally retarded: failure of selected isolation procedures. Thacker SB, et al. **Am J Public Health** 1981 Mar; 71(3):303–5

Circulating thyroxine levels in institutionalized children. Perassi NI, et al. **Arch Int Physiol Biochim** 1980 Dec; 88(5):491–5

Visiting the mentally handicapped in residential care. Colledge J. **Br J Psychiatry** 1980 Oct;137:313–8

The impact of community care on the public response to the mentally handicapped. Locker D, et al. **Community Med** 1981 May;3(2):98–107

Evaluation of cerebral-palsied graduates of a transitional residential program. Owen RR, et al. **Dev Med Child Neurol** 1981 Jun;23(3):346–51

Comparing elderly mentally retarded and non-mentally retarded individuals: who are they? What are their needs? Cotten PD, et al. **Gerontologist** 1981 Aug;21(4):359–65

On the relationship between the size of residential institutions and the well-being of residents. Weihl H. **Gerontologist** 1981 Jun;21(3):247–50

Factors contributing to normalization in residential facilities for mentally retarded persons. Hull JT, et al. **Ment Retard** 1981 Apr;19(2):69–73

Increase in adaptive behavior level after residence in an intermediate care facility for mentally retarded persons. Witt SJ. **Ment Retard** 1981 Apr;19(2):75–9

Qualitative methods and cultural perspectives in the study of deinstitutionalization. Bercovici S. **Monogr Am Assoc Ment Defic** 1981;(4):133–44

Health problems of residents in single-room occupancy hotels. Buff DD, et al. **NY State J Med** 1980 Dec; 80(13):2000–5

[Organization of therapeutic and preventive care in the Department of Labor and Social Affairs and its perspectives. Cooperation with the State Health Administration] Buček V. **Cesk Pediatr** 1981 Mar; 36(3):146–8 **(Cze)**

[The pediatrician in social care institutions for children and adolescents] Dunovský J. **Cesk Pediatr** 1981 Mar;36(3):141 (Eng. Abstr.) **(Cze)**

[Results of an analysis of therapeutic and preventive care in institutes for social welfare of mentally handicapped youths in a region of Czechoslovakia] Dunovský J. **Cesk Pediatr** 1981 Mar;36(3):148–53 (Eng. Abstr.) **(Cze)**

[Court-ordered institutional rearing of young children] Haniková Z. **Cesk Pediatr** 1980 Nov;35(11):618–9 (Eng. Abstr.) **(Cze)**

[Psychosomatic and sexual life of girls in children's homes] Sed'ová A, et al. **Cesk Pediatr** 1980 Jul;35(7):363–4 (Eng. Abstr.) **(Cze)**

[The importance of Children's Homes for children up to 3 years of age in the pre-specialization training of pediatricians in Ostrava] Marten J, et al. **Cesk Zdrav** 1981 Jul;29(7):291–3 (Eng. Abstr.) **(Cze)**

[The psychotherapy and taking into care of hospitalized adolescents who have tried to commit suicide (author's transl)] Moron P, et al. **Neuropsychiatr Enfance Adolesc** 1980 Oct–Nov;28(10–11):491–4 (Eng. Abstr.) **(Fre)**

[Psychotherapy in a semi-liberal home (author's transl)] Tomkiewicz S. **Neuropsychiatr Enfance Adolesc** 1980 Oct–Nov;28(10–11):455–9 (Eng. Abstr.) **(Fre)**

MANPOWER

Employee withdrawal and job satisfaction in community residential facilities for mentally retarded persons. George MJ, et al. **Am J Ment Defic** 1981 May;85(6):639–47

Recruitment source and job survival for direct-care staff. Schiers W, et al. **Ment Retard** 1980 Dec;18(6):285–7

ORGANIZATION & ADMINISTRATION

The complicated business of setting up residential alternatives. Zanditon M, et al. **Hosp Community Psychiatry** 1981 May;32(5):335–9

Management problems in community residential facilities. Bruininks RH, et al. **Ment Retard** 1980 Jun;18(3):125–30

The less you've got the less you get: functional grouping, a cause for concern. Raynes NV. **Ment Retard** 1980 Oct; 18(5):217–20

Honeylands family support unit. Garrick J. **Physiotherapy** 1979 Dec;65(12):384–6

Starting a children's residential facility: a social work response. Berns J. **Soc Work Health Care** 1980 Summer; 5(4):437–40

STANDARDS

Beginnings of the New York State Mental Hygiene Medical Review Board 1976–1980. Sommers SC, et al. **Am J Forensic Med Pathol** 1980 Dec;1(4):361–4

Relationship of size to resident and staff behavior in small community residences. Landesman-Dwyer S, et al. **Am J Ment Defic** 1980 Jul;85(1):6–17

SUPPLY & DISTRIBUTION

Recent growth and status of community residential alternatives. Bruininks RH, et al. **Monogr Am Assoc Ment Defic** 1981;(4):14–27

Deinstitutionalization: trends and difficulties. Scheerenberger RC. **Monogr Am Assoc Ment Defic** 1981;(4):3–13

TRENDS

Public residential facilities: status and trends. Scheerenberger RC. **Ment Retard** 1981 Apr;19(2):59–60

UTILIZATION

A comparison of the level of care predictions of six long-term care patient assessment systems. Foley WJ, et al. **Am J Public Health** 1980 Nov;70(11):1152–61

Residential placement and adaptation of severely and profoundly retarded individuals. Landesman-Dwyer S, et al. **Monogr Am Assoc Ment Defic** 1981;(4):182–94

RESIDENTIAL MOBILITY

Multiple sclerosis and multiple moves: an etiologic hypothesis. Visscher BR, et al. **Am J Epidemiol** 1981 Feb; 113(2):140–3

The effect of socio-economic class, regional origin and other variables on marital mobility in Britain 1920–1960. Coleman DA. **Ann Hum Biol** 1981 Jan–Feb;8(1):1–24

Gentrification and displacement of the elderly: an empirical analysis. Henig JR. **Gerontologist** 1981 Feb;21(1):67–75

Interpersonal networks and post-relocation adjustment of the institutionalized elderly. Wells L, et al. **Gerontologist** 1981 Apr;21(2):177–83

Patient mobility and consulting behavior: a comparative study between the United Kingdom and the United States. Bain DJ. **J Fam Pract** 1981 May;12(5):891–5

Components of change in the residential concentration of the elderly population: 1950–1975. Lichter DT, et al. **J Gerontol** 1981 Jul;36(4):480–9

Migratory history as a factor influencing dietary habit. Uchino S. **J Hum Ergol (Tokyo)** 1979 Dec;8(2):117–23

After group home living--what alternative? Results of a two year mobility followup study. Sitkei EG. **Ment Retard** 1980 Feb;18(1):9–13

Mobile children: an American tragedy? Goebel BL. **Psychol Rep** 1981 Feb;48(1):15–8

[Depopulation of rural districts and mental health: the Sassim study (author's transl)] Marinoni A, et al. **Rev Epidemiol Sante Publique** 1980 Apr 30;28(1):105–14 (Eng. Abstr.) **(Fre)**

[Malignant tumors of the digestive organs in immigrant populations with particular reference to their place of birth] Zela B. **Pol Tyg Lek** 1980 Jul 28;35(30):1141–4 (Eng. Abstr.) **(Pol)**

RESIDENTIAL TREATMENT

Adolescent residential treatment: an alternative to institutionalization. Adams DB. **Adolescence** 1980 Fall; 15(59):521–7

A residential camp experience as an approach to adolescent weight management. Brandt G, et al. **Adolescence** 1980 Winter;15(60):807–22

Adolescent inpatient treatment: a literature review. Fineberg BL, et al. **Adolescence** 1980 Winter;15(60):913–25

The impact of the peer culture in the residential treatment of youth. Schaefer C. **Adolescence** 1980 Winter; 15(60):831–45

Predicting adaptive functioning among mentally ill persons in community settings. Hull JT, et al. **Am J Community Psychol** 1981 Jun;9(3):247–68

A conceptual model for short-term inpatient group psychotherapy. Kibel HD. **Am J Psychiatry** 1981 Jan; 138(1):74–80

Rehabilitation recommendations for institutionalized motor-disabled patients. Gaines RF, et al.

Arch Phys Med Rehabil 1981 Apr;62(4):180–2
Group therapy for seriously disturbed boys in residential treatment. Clifford M, et al. **Child Welfare** 1980 Nov; 59(9):560–5
A self-help program for childhood asthma in a residential treatment center. Richards W, et al. **Clin Pediatr (Phila)** 1981 Jul;20(7):453–7
[Institutional-ambulatory group psychotherapy. A longterm treatment model] Rüger U.
Monogr Gesamtgeb Psychiatr (Berlin) 1981;27:1–138 (Eng. Abstr.) **(Ger)**
[Physician-patient relations in the residential treatment of anorexia nervosa] Otte H.
Prax Kinderpsychol Kinderpsychiatr 1980 Oct;29(7):243–6 (Eng. Abstr.) **(Ger)**
[Systematic promotion of self confidence and self determination in institutionalized children. A general practice report] Peters J.
Prax Kinderpsychol Kinderpsychiatr 1981 Jul;30(5):182–5 (Eng. Abstr.) **(Ger)**
[Condition analysis of behavior disorders in children and adolescents in residential treatment in a district town] Kurth E. **Psychiatr Neurol Med Psychol (Leipz)** 1980 Aug; 32(8):469–76 (Eng. Abstr.) **(Ger)**

METHODS

A family-systems model for inpatient treatment of adolescents. Looney JG, et al. **Adolesc Psychiatry** 1980; 8:499–511
Measuring dimensions of the quality of care in small community residences. Pratt MW, et al.
Am J Ment Defic 1980 Sep;85(2):188–94
Residential treatment for families of maltreated children. Wood PE. **Child Welfare** 1981 Jul-Aug;60(2):105–8
Family institutional care in South India. Senseman LA.
Curr Psychiatr Ther 1980;19:187–9
Community residential treatment for schizophrenia: two-year follow-up. Mosher LR. **Int J Rehabil Res** 1980;3(3):393–5
Central issues in the residential care of young people. Coleman JC. **J Adolesc** 1980 Sep;3(3):175–86
Evaluating a supervision program for developing and maintaining therapeutic staff-resident interactions during institutional care routines. Ivancic MT, et al.
J Appl Behav Anal 1981 Spring;14(1):95–107
[Faculty placement - a problem in psychiatric care] Jakubaschk J, et al.
Schweiz Arch Neurol Neurochir Psychiatr 1980; 127(1):129–44 (Eng. Abstr.) **(Ger)**

TRENDS

Back ward society, 1981: implications for residential treatment and staff training. Birnbach D.
Hosp Community Psychiatry 1981 Aug;32(8):550–5

RESIDUAL VOLUME see under **LUNG VOLUME MEASUREMENTS**

RESINS

Cleavage of protected amino acids and peptides from benzyl ester resins by transesterification with potassium cyanide in benzyl alcohol. Moore GJ, et al. **Can J Biochem** 1980 Aug;58(8):641–3
Rapid and efficient extraction of steroids from microlitre quantities of plasma using Extrelut mini-columns. Bamberg E, et al. **Clin Chim Acta** 1980 Dec 22;108(3):479–82
An improved embedding method for electron microscopy of lepromata. Okada S, et al. **Int J Lepr** 1980 Dec; 48(4):408–13
Effect of 2,2'-diaminodiphenyldisulfide, a resin hardener, on rats. Benjamin T, et al. **J Toxicol Environ Health** 1981 Jan; 7(1):69–81
Radiographic identification of simulated carious lesions in relation to fillings with Adaptic Radiopaque. Sewerin I. **Scand J Dent Res** 1980 Oct;88(5):377–81
Tensile strength of restorative resins. Zidan O, et al.
Scand J Dent Res 1980 Jun;88(3):285–9
[Investigation of the allergens of colophony and its derivatives used in the manufacture of sticking-plasters (author's transl)] Schlewer G, et al.
Derm Beruf Umwelt 1979;27(6):170–2 (Eng. Abstr.) **(Fre)**

ADMINISTRATION & DOSAGE

Treatment of Methaqualone overdose with resin hemoperfusion. Baggish D, et al. **Yale J Biol Med** 1981 Mar-Apr;54(2):147–50
[The ethanol extract propolis (EEP) use in surgery (author's transl)] Scheller S, et al. **Przegl Lek** 1980;37(11):739–41 **(Pol)**

ADVERSE EFFECTS

Allergenic potential of abietic acid, colophony and pine resin-HA. Clinical and experimental studies. Karlberg AT, et al. **Contact Dermatitis** 1980 Dec;6(7):481–7
Allergic contact dermatitis in a violinist. The role of abietic acid--a sensitizer in rosin (colophony)--as the causative agent. Fisher AA. **Cutis** 1981 May;27(5):466, 468, 473 (27 ref.)
[Allergologic studies of intolerance to rosin] Foussereau J, et al. **Derm Beruf Umwelt** 1980;28(1):14–5 (Eng. Abstr.) **(Fre, Ger)**
[Allergological studies on the sensitizing properties of propolis] Bogdaszewska-Czabanowska J, et al.
Przegl Dermatol 1980;67(6):747–52 (Eng. Abstr.) **(Pol)**

ANALYSIS

[Allergy to rosin caused by patch tests] Schlewer G, et al.
Derm Beruf Umwelt 1980;28(1):16–7 (Eng. Abstr.) **(Fre, Ger)**

CHEMICAL SYNTHESIS

Photolabile multi-detachable p-alkoxybenzyl alcohol resin supports for peptide fragment or semi-synthesis. Tam JP, et al. **Int J Pept Protein Res** 1980 Nov;16(5):412–25

IMMUNOLOGY

Allergenic potential of abietic acid, colophony and pine resin-HA. Clinical and experimental studies. Karlberg AT, et al. **Contact Dermatitis** 1980 Dec;6(7):481–7

PHARMACODYNAMICS

Severe meprobamate intoxication treated by hemoperfusion over amberlite resin. Freund LG. **Artif Organs** 1981 Feb; 5(1):80–1
In vitro studies on the cytostatic activity of propolis extracts. Hladoń B, et al. **Arzneimittelforsch** 1980;30(11):1847–8
The effect of pine resin on chromosome breakage and sister-chromatid exchanges in human peripheral lymphocytes. Athanasiou K, et al. **Mutat Res** 1980 Sep; 79(1):79–80
Sensitivity of different human cell line in the biologic evaluation of dental resin-based restorative materials. Hensten-Pettersen A, et al. **Scand J Dent Res** 1981 Feb; 89(1):102–7
Investigations concerning the action of serveral chemical and biological agents on HBsAg. Morfei A, et al. **Virologie** 1980 Oct-Dec;31(4):273–8
[Effect of propolis on Staphylococcus aureus strains resistant to antibiotics] Shub TA, et al. **Antibiotiki** 1981 Apr; 26(4):268–71 (Eng. Abstr.) **(Rus)**
[Antibacterial properties of propolis] Madarová L.
Cesk Stomatol 1980 JUL;80(4):304–7 (Eng. Abstr.) **(Slo)**

STANDARDS

A hazardous materials identification system for the coating and resins industry. Keller LW, et al.
Am Ind Hyg Assoc J 1980 Dec;41(12):901–7
[Clinical re-examination and evaluation of removable denture with self-cured resin (author's transl)] Wang YB.
Chung Hua Kou Chiang Ko Tsa Chih 1980 Sep;15(3):142–5 **(Chi)**

THERAPEUTIC USE

Effects of Commiphora Mukul (Guggul) in experimentally induced hyperlipemia and atherosclerosis. Baldwa VS, et al. **J Assoc Physicians India** 1981 Jan;29(1):13–7
[A clinical study of resinifying therapy in infected dental pulp (author's transl)]
Chung Hua Kou Chiang Ko Tsa Chih 1979;14(1):30–2 **(Chi)**
[Double-blind trial of the effect of a propolis-containing mouthwash on inflamed and healthy gingiva] Schmidt H, et al. **Stomatol DDR** 1980 Jul;30(7):491–7 **(Ger)**
[Remarks concerning api-phytotherapy in ophthalmology] Baidan N, et al. **Rev Chir [Oftalmol]** 1980 Jan-Mar; 24(1):55–60 (Eng. Abstr.) **(Rum)**
[Treatment with bee products in acute and chronic pharyngo-laryngopathies] Popovici C, et al.
Rev Chir [Otorinolaringol] 1981 Jan-Mar;26(1):71–5 **(Rum)**

TOXICITY

Toxicologic evaluation of thermoplastic resins at and above processing temperatures. Sangha GK, et al.
Am Ind Hyg Assoc J 1981 Jul;42(7):481–5

RESINS, SYNTHETIC

Resin hemoperfusion for treatment of a massive meprobamate overdose. Hoy WE, et al. **Ann Intern Med** 1980 Sep; 93(3):455–6
Solid-phase synthesis of thymosin alpha 1 using tert-butyloxycarbonylaminoacyl-4-(oxymethyl)phenylacet Wong TW, et al. **Biochemistry** 1980 Jul 8;19(14):3233–8
Microfill resins. Williams PT. **Can Dent Assoc J** 1980 Nov; 46(11):665–7
Reaction of endodontic medicaments on resins. Lorencki SF, et al. **J Am Dent Assoc** 1981 Aug;103(2):247–8
Stripping poly-imide resin (Trimel) enamel insulation from fine wire to produce electromyography electrodes. Stallard J, et al. **J Biomed Eng** 1981 Apr;3(2):159–60
A review of the properties of some denture base polymers. Stafford GD, et al. **J Dent** 1980 Dec;8(4):292–306 (17 ref.)
Visco-elastic properties of pour (fluid) denture base resins. Barsby MJ, et al. **J Dent Res** 1981 Feb;60(2):146–8
Optical properties of direct restorative materials. Miyagawa Y, et al. **J Dent Res** 1981 May;60(5):890–4
Is a low viscosity bonding resin necessary? Retief DH, et al. **J Oral Rehabil** 1981 May;8(3):255–66
Effects of surface treatments on the retention of restorative materials to dentin. Nation W, et al. **J Prosthet Dent** 1980 Dec;44(6):638–41
A composite resin bonded to dental materials. Zalkind M, et al. **J Prosthet Dent** 1981 Sep;46(3):300–3
Comparison of XAD-4 and charcoal hemoperfusion for removal of digoxin and digitoxin. Gibson TP.
Kidney Int [Suppl] 1980 Sep;Suppl 10:S101–5
Novolacs: synthetic resins suitable for mounting biological materials. Crumpton WG, et al. **Trans Am Microsc Soc** 1980 Jul;99(3):347–8
Direct hemoperfusion with noncoated charcoal of high adsorption capacity derived from thermosetting resin. Otsubo O, et al. **Trans Am Soc Artif Intern Organs** 1980; 26:124–8
[Technics, main advantages and best indications of quick plastic embedding (author's transl)] Martin ED, et al.
Ann Pathol 1981;1(1):77–85 (Eng. Abstr.) **(Fre)**
[Firmness and handling properties of resin filling materials in bend testing] Kollmannsperger P. **ZWR** 1980 Aug; 89(8):48–50 **(Ger)**
[Clinical significance of bending properties of filling materials] Viohl J. **ZWR** 1980 Aug;89(8):43–6 **(Ger)**
[Formaldehyde allergy in a synthetic resins factory (author's transl)] Pisati G, et al. **Med Lav** 1980 Jan-Feb;71(1):88–91 (Eng. Abstr.) **(Ita)**
[Heat treatment of gold alloy to get adhesion with resin (author's transl)] Tanaka T, et al.
Shika Rikogaku Zasshi 1980 Apr;21(54):95–102 (Eng. Abstr.) **(Jpn)**
[Hygienic evaluation of phenol-formaldehyde construction materials used for building agricultural structures] Kharchenko TF, et al. **Gig Sanit** 1980 Dec;(12):11–3 (Eng. Abstr.) **(Rus)**
[Hygienic study of polyamide resins intended for use in the food industry and foodstuffs engineering] Babaev DA.
Vopr Pitan 1981 Jan-Feb;(1):54–6 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Contact sensitization to p-tertiary butylphenol (PTBP) resin in plastic nail adhesive. Rycroft RJ, et al.
Clin Exp Dermatol 1980 Dec;5(4):441–5
Immediate and delayed type reactions to formaldehyde resin in glass wool. Kalimo K, et al. **Contact Dermatitis** 1980 Dec;6(7):496

ANALYSIS

The characterization of motor vehicle body fillers. Home JM, et al. **Med Sci Law** 1980 Jul;20(3):163–74
[Hygienic chemical studies on plastics (V). Migration of acrylonitrile from acrylonitrile-butadiene-styrene copolymer and acrylonitrile-styrene copolymer into various food simulating solvents in long period (author's transl)] Tatsuno T, et al. **Eisei Shikenjo Hokoku** 1980; 98:110–5 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

Mutagenicity of resin acids identified in pulp and paper mill effluents using the Salmonella/mammalian-microsome assay. Nestmann ER, et al. **Environ Mutagen** 1979; 1(4):361–9

STANDARDS

[Revision for denture base resin: ADA Specification No. 12] Hirasawa T, et al. **Shika Rikogaku Zasshi** 1980 Oct; 21(56):297–8 **(Jpn)**

THERAPEUTIC USE

Hemoperfusion with Amberlite resin in the treatment of self-poisoning. Heath A, et al. **Acta Med Scand** 1980; 207(6):455–60
Calcium polycarbophil (Mitrolan). **Med Lett Drugs Ther** 1981 May 29;23(11):52

TOXICITY

[Toxicity of combustion products of plastics. IV. Aminoplastes (author's transl)] Agneray C, et al.
Ann Pharm Fr 1980;38(2):119–22 (Eng. Abstr.) **(Fre)**
[Melamine action on biomphalaria glabrata say (mollusca, gasteropoda) (author's transl)] Cotta Ramusino M, et al.
Riv Biol 1980 Winter;73(4):588–91 **(Ita)**

RESISTANCE FACTORS see **R FACTORS**

RESISTANCE, NATURAL see **IMMUNITY, NATURAL**

RESMETHRIN see under **PYRETHRINS**

RESORCINOLS

Improved visualization of oxytalan fibers with resorcin fuchsin. Rosenquist T. **Basic Appl Histochem** 1981; 25(2):129–32
Quantitative structure-activity relationships: the Van't Hoff heats of transfer of resorcinol monoethers from water to n-octanol. Beezer AE, et al. **J Pharm Pharmacol** 1980 Dec; 32(12):815–9

ADMINISTRATION & DOSAGE

Response of Nigerian zebu cattle to zeranol implants. Obi

TU, et al. **Trop Anim Health Prod** 1980 Nov;12(4):224–8

ADVERSE EFFECTS

Field outbreaks of hyperoestrogenism (vulvo–vaginitis) in pigs consuming maize infected by Fusarium graminearum and contaminated with zearalenone. Aucock HW, et al. **J S Afr Vet Assoc** 1980 Sep;51(3):163–6

ANALYSIS

Sephadex LH–20 cleanup, high pressure liquid chromatographic assay, and fluorescence detection of zearalenone in animal feeds. Cohen H, et al. **J Assoc Off Anal Chem** 1980 May;63(3):642–6

Survey for aflatoxins and Zearalenone in canned and frozen sweet corn. Stoloff L, et al. **J Assoc Off Anal Chem** 1980 Mar;63(2):180–1

[The presence of zearalenone or F2 in commercial walnuts (author's transl)] Jemmali M, et al. **Ann Microbiol (Paris)** 1980 Nov–Dec;131B(3):319–21 (Eng. Abstr.) **(Fre)**

[Chromatographic determination of the mycotoxin, zearalenone, in meat and corn] Ermakov VV, et al. **Vopr Pitan** 1981 Mar–Apr;(2):19–22 **(Rus)**

BIOSYNTHESIS

Laboratory screening for zearalenone formation in corn hybrids and inbreds. Shannon GM, et al. **J Assoc Off Anal Chem** 1980 Nov;63(6):1275–7

BLOOD

Gas chromatographic detection of the mycotoxin zearalenone in blood serum. Trenholm HL, et al. **J Assoc Off Anal Chem** 1980 May;63(3):604–11

High performance liquid chromatographic method using fluorescence detention for quantitative analysis of zearalenone and alpha–zearalenol in blood plasma. Trenholm HL, et al. **J Assoc Off Anal Chem** 1981 Mar; 64(2):302–10

CHEMICAL SYNTHESIS

Allyl derivatives of zearalenone. Shipchandler MT. **J Pharm Sci** 1980 Sep;69(9):1017–8

Dihydroxybenzene derivatives of antimicrobial activity. Badawi A, et al. **Pharmazie** 1980 Dec;30(12):748–51

ISOLATION & PURIFICATION

Isolation and characterization of several unique lipids from Azotobacter vinelandii cysts. Su CJ, et al. **J Bacteriol** 1981 Jul;147(1):80–90

METABOLISM

Estrogenic absorption through the skin: an experimental study. Goisis C, et al. **Acta Eur Fertil** 1980 Mar;11(1):61–85 **(Eng, Ita)**

Reduction of zearalenone to zearalenol in female rat liver by 3 alpha–hydroxysteroid dehydrogenase. Olsen M, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Feb;48(2):157–61

Transmission of zearalenone and its metabolite into ruminant milk. Hagler WM, et al. **Acta Vet Acad Sci Hung** 1980; 28(2):209–16

Biotransformation of zearalenone to zearalenol by Candida tropicalis. Palyusik M, et al. **Acta Vet Acad Sci Hung** 1980; 28(2):159–66

Transmission of zearalenone and zearalenol into porcine milk. Palyusik M, et al. **Acta Vet Acad Sci Hung** 1980; 28(2):217–22

Effect of dietary protein, alfalfa, and zeolite on excretory patterns of 5',5',7',7'–[3H]zearalenone in rats. Smith TK. **Can J Physiol Pharmacol** 1980 Nov;58(11):1251–5

Comparative metabolism of zearalenone and transmission into bovine milk. Mirocha CJ, et al. **Food Cosmet Toxicol** 1981 Feb;19(1):25–30

Metabolism of resorcinylic compounds by bacteria: new pathway for resorcinol catabolism in Azotobacter vinelandii. Groseclose EE, et al. **J Bacteriol** 1981 May; 146(2):460–6

alpha–Zearalenol, a major hepatic metabolite in rats of zearalenone, an estrogenic mycotoxin of Fusarium species. Ueno Y, et al. **J Biochem (Tokyo)** 1981 Feb;89(2):563–71

PHARMACODYNAMICS

Effect of the fungal toxin (zearalenone) on the reproductive system and fertility of male and female rats. Ruzsás C, et al. **Acta Biol Acad Sci Hung** 1979;30(4):335–45

Effect of subcutaneous implants of zeranol on weight gains of castrated cattle at pasture. Sammons R. **Aust Vet J** 1980 Sep;56(9):417–23

Permeability changes of erythrocytes and liposomes by 5–(n–alk(en)yl) resorcinols from rye. Kozubek A, et al. **Biochim Biophys Acta** 1980 Dec 12;603(2):220–7

Effects of estrogens P–1496 and P–1560 on the binding of estradiol with rat uterine estrogen receptors. Di Carlo F, et al. **Farmaco [Sci]** 1980 May;35(5):425–9

Mutagenicity of commercial p–phenylenediamine and of an oxidation mixture of p–phenylenediamine and resorcinol in Salmonella typhimurium TA98. Crebelli R, et al. **Food Cosmet Toxicol** 1981 Feb;19(1):79–84

Effects of breed and zeranol implantation on serum insulin, somatomedin–like activity and fibroblast proliferative activity. Wangsness PJ, et al. **J Anim Sci** 1981 Jan; 52(1):57–62

Interferences of zearalenone, zearalanol or estradiol–17 beta with the steroid–metabolizing enzymes of the human prostate gland. Thouvenot D, et al. **J Steroid Biochem** 1980 Nov;13(11):1337–45

Lack of mutagenicity of some phytoestrogens in the salmonella/mammalian microsome assay. Bartholomew RM, et al. **Mutat Res** 1980 Aug;78(4):317–21

Studies on the potential in vivo induction of sister–chromatid exchanges in rat bone marrow by resorcinol. Bracher M, et al. **Mutat Res** 1981 Jul–Sep;91(4–5):363–9

Studies on the mutagenicity of resorcinol and hydroxy–3–(p–amino)anilino–6,N–[(p–amino)phenol]benzo in Salmonella typhimurium. Shahin MM, et al. **Mutat Res** 1980 Jul;78(3):213–8

Effect of dietary zearalenone on reproduction of chickens. Allen NK, et al. **Poult Sci** 1981 Jun;60(6):1165–74

Effects of dietary zearalenone on finishing broiler chickens and young turkey poults. Allen NK, et al. **Poult Sci** 1981 Jan;60(1):124–31

[Cytologic alterations induced in Bacillus thuringiensis (Berliner) by zearalenone] Boutibonnes P, et al. **Mycopathologia** 1981 May 8;74(2):107–11 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Experiences about the application of gelatin–resorcinol–formaldehyde tissue adhesive in experimental ruptured liver injury. Vándor E, et al. **Z Exp Chir** 1980;13(1):52–8

A critical study on the preparation and application of gelatin–resorcinol tissue adhesive crosslinked by formaldehyde. Vándor E, et al. **Z Exp Chir** 1980; 13(1):43–51

[Stomatological hemorrhages; hemostasis with GRF (gelatin–resorcin–formol)] Szpirglas H, et al. **Minerva Stomatol** 1979 Oct–Dec;28(4):285–7 (Eng. Abstr.) **(Ita)**

[Critical analysis of plant estrogen therapy in spontaneous and surgical menopause] De Aloysio D, et al. **Riv Ital Ginecol** 1980;59(2–3):151–73 (Eng. Abstr.) **(Ita)**

TOXICITY

The effect of acute administration of the mycotoxin zearalenone to female pigs. Farnworth ER, et al. **J Environ Sci Health [B]** 1981;16(3):239–52

RESORTS see **HEALTH RESORTS**

RESPIRATION

see related
APNEA
BREATHING EXERCISES
DYSPNEA

Effect of inspiration–expiration ratio on rebreathing with the Mapleson D system (Bain's modification; coaxial system). Gabrielsen J, et al. **Acta Anaesthesiol Scand** 1980 Aug; 24(4):336–8

Effects of intercostal nerve blocks on pulmonary mechanics in healthy men. Jakobson S, et al. **Acta Anaesthesiol Scand** 1980 Dec;24(6):482–6

Posture with elevated and extended thorax. The influence of the position on some haemodynamic and ventilatory parameters under general anaesthesia. Videbaek F. **Acta Anaesthesiol Scand** 1980 Dec;24(6):458–61

Pulmonary function in familial amyloidosis with polyneuropathy. Olofsson BO. **Acta Med Scand** 1981; 209(5):379–84

Smoking habits in the Glostrup population of men and women, born in 1914. Implications for health, evaluated from ten–year mortality, Incidence of cardiovascular manifestations and pulmonary function, 1964––1974. Schroll M. **Acta Med Scand** 1980;208(4):245–56

Effects of reversible elimination of some bulbar structures on the generation of respiratory pattern in rabbits. Gromysz H, et al. **Acta Neurobiol Exp (Warsz)** 1980;40(2):507–14

The role of timing and magnitude of the vagal input in controlling the phrenic output in rabbits and baboons. Gromysz H, et al. **Acta Neurobiol Exp (Warsz)** 1980; 40(3):563–74

Generation of respiratory pattern in the rabbit –– brainstem transections revisited. Gromysz H, et al. **Acta Neurobiol Exp (Warsz)** 1980;40(6):985–92

Inspiratory facilitatory and inhibitory vagal influences during apnoea in rabbits. Karczewski WA, et al. **Acta Neurobiol Exp (Warsz)** 1980;40(3):575–92

Respiratory responses to stimulation of afferent vagal fibres in rabbits. Karczewski WA, et al. **Acta Neurobiol Exp (Warsz)** 1980;40(3):543–62

Carotid baroreceptor reflex in man, its modulation over the respiratory cycle. Trzebski A, et al. **Acta Neurobiol Exp (Warsz)** 1980;40(5):807–20

Lung volumes and pulmonary gas exchange after coarctectomy. Hanson E, et al. **Acta Paediatr Scand** 1980 Jul;69(4):467–70

Ventilatory studies in two older infants with prolonged apnea. Lagercrantz H, et al. **Acta Paediatr Scand** 1980 Jul; 69(4):545–8

Thermal neutrality and the effect of intraventricular 5–hydroxytryptamine on oxygen consumption in the conscious neonatal rabbit. Szelényi Z, et al. **Acta Physiol Acad Sci Hung** 1980;55(2):135–47

Low threshold facilitation of inspiration by lung volume increments. Dimarco AF, et al. **Acta Physiol Scand** 1980 Jul;109(3):343–4

Breathing at high altitude: Lessons learned and application to hypoxemia at sea level. Kryger M. **Adv Cardiol** 1980; 27:11–6

Physical training in old men. Aniansson A, et al. **Age Ageing** 1980 Aug;9(3):186–7

Slow rhythmic activity in vegetative nerves synchronous with the respiratory cycle in chronic cats. Nikolov N, et al. **Agressologie** 1980;21(1):15–9

Physiological responses to resistance breathing during short and prolonged exercise. Deno NS, et al. **Am Ind Hyg Assoc J** 1981 Aug;42(8):616–23

Pattern of breathing and carbon dioxide retention in chronic obstructive lung disease. Javaheri S, et al. **Am J Med** 1981 Aug;71(2):228–34

THe relationship between myometrial activity and sleep state and breathing in fetal sheep throughout the last third of gestation. Nathanielsz PW, et al. **Am J Obstet Gynecol** 1980 Nov 15;138(6):653–9

Effects of maternal cigarette smoking on fetal breathing and fetal movements. Thaler I, et al. **Am J Obstet Gynecol** 1980 Oct 1;138(3):282–7

Mode of respiration and facial growth. Rubin RM. **Am J Orthod** 1980 Nov;78(5):504–10

A new method for long–term monitoring of the ballistocardiogram, heart rate, and respiration. Alihanka J, et al. **Am J Physiol** 1981 May;240(5):R384–92

Baroreceptor output during normal and obstructed breathing and Mueller maneuvers. Fitzgerald RS, et al. **Am J Physiol** 1981 May;240(5):H721–9

Temperature effects on ventilation and acid–base balance of the green turtle. Kraus DR, et al. **Am J Physiol** 1980 Sep; 239(3):R254–8

Reduction in cardiac contractility during upper respiratory stimulation with cigarette smoke. Robleto DO, et al. **Am J Physiol** 1981 Apr;240(4):H584–9

Central respiratory drive in acute respiratory failure of patients with chronic obstructive pulmonary disease. Aubier M, et al. **Am Rev Respir Dis** 1980 Aug;122(2):191–9

Smoking and lung function. Beck GJ, et al. **Am Rev Respir Dis** 1981 Feb;123(2):149–55

Effect of sleep fragmentation on ventilatory and arousal responses of sleeping dogs to respiratory stimuli. Bowes G, et al. **Am Rev Respir Dis** 1980 Dec;122(6):899–908

The effect on respiratory drive of a prolonged physical conditioning program [letter] Bradley BL, et al. **Am Rev Respir Dis** 1981 Jul;124(1):98–9

The effect on respiratory drive of a prolonged physical conditioning program. Bradley BL, et al. **Am Rev Respir Dis** 1980 Nov;122(5):741–6

The influence of active gas exchange on the slope of phase III at rest and after exercise. Cormier YF, et al. **Am Rev Respir Dis** 1981 Feb;123(2):213–6

Function of the respiratory muscles in acute hemiplegia. De Troyer A, et al. **Am Rev Respir Dis** 1981 Jun;123(6):631–2

The effect of low flow oxygen therapy on the chemical control of ventilation in patients with hypoxemic COPD. Fleetham JA, et al. **Am Rev Respir Dis** 1980 Dec; 122(6):833–40

CO2 elimination by high frequency ventilation (4 to 10 Hz) in normal subjects. Goldstein D, et al. **Am Rev Respir Dis** 1981 Mar;123(3):251–5

Pulmonary function loss in Vermont granite workers. A long–term follow–up and critical reappraisal. Graham WG, et al. **Am Rev Respir Dis** 1981 Jan;123(1):25–8

Effect of periodic or regular respiratory pattern on the ventilatory response to low inhaled CO2 in preterm infants during sleep. Kalapesi Z, et al. **Am Rev Respir Dis** 1981 Jan;123(1):8–11

Magnitude scaling of externally added loads to breathing. Killian KJ, et al. **Am Rev Respir Dis** 1981 Jan;123(1):12–5

Respiratory symptoms and disease related to alcohol consumption. Lebowitz MD. **Am Rev Respir Dis** 1981 Jan; 123(1):16–9

Determinants of oxygen desaturation in the course of ventilation during sleep in chronic obstructive pulmonary disease. Littner MR, et al. **Am Rev Respir Dis** 1980 Dec; 122(6):849–57

Lung function after marathon running at warm and cold ambient temperatures. Mahler DA, et al. **Am Rev Respir Dis** 1981 Aug;124(2):154–7

Inspiratory muscle training compared with physiotherapy in patients with chronic airflow limitation. Pardy RL, et al. **Am Rev Respir Dis** 1981 Apr;123(4 Pt 1):421–5

The effects of inspiratory muscle training on exercise performance in chronic airflow limitation. Pardy RL, et al. **Am Rev Respir Dis** 1981 Apr;123(4 Pt 1):426–33

Breathing pattern and hypercapnia in patients with obstructive pulmonary disease. Parot S, et al. **Am Rev Respir Dis** 1980 Jun;121(6):985–91

Oronasal breathing and studies of effects of air pollutants on the lungs [letter] Proctor DF. **Am Rev Respir Dis** 1981 Feb;123(2):242–3

Effects of breathing through external dead space on ventilation at rest and during exercise. II. Sackner JD, et al. **Am Rev Respir Dis** 1980 Dec;122(6):933–40

Non–invasive measurement of ventilation during exercise

using a respiratory inductive plethysmograph. I. Sackner JD, et al. **Am Rev Respir Dis** 1980 Dec;122(6):867–71
Recovery of airway patency after obstruction in normal infants. Stark AR, et al. **Am Rev Respir Dis** 1981 Jun; 123(6):691–3
An anaesthetic circuit to improve patient monitoring by gas analysis. Salamonsen RF, et al. **Anaesth Intensive Care** 1981 Feb;9(1):15–22
Comparison of the incidence of combined 'risk factors' for gastric acid aspiration: influence of two anesthetic techniques. Arandia HY, et al. **Anesth Analg (Cleve)** 1980 Nov;59(11):862–4
Postoperative recovery of pulmonary function. Craig DB. **Anesth Analg (Cleve)** 1981 Jan;60(1):46–52 (46 ref.)
Some recent advances in the study of the control of breathing in patients with chronic obstructive lung disease. Milic-Emili J, et al. **Anesth Analg (Cleve)** 1980 Nov; 59(11):865–73 (43 ref.)
Gas exchange and high frequency ventilation [letter] Ngeow YK, et al. **Anesth Analg (Cleve)** 1981 May;60(5):363–4
Relationship between respiratory muscle strength and vital capacity during partial curarization in awake subjects. Gal TJ, et al. **Anesthesiology** 1981 Feb;54(2):141–7
Factors affecting rebreathing in T-piece circuits [letter] Keenan RL. **Anesthesiology** 1981 Jul;55(1):84–6
Deep breathing and nitroglycerin-induced hypoxemia. Kopman EA. **Anesthesiology** 1981 Jul;55(1):74–6
Rapid, shallow ventilatory pattern during exercise after histamine, bronchopprovocation. Hernandez MJ, et al. **Ann Allergy** 1981 Feb;46(2):67–9
Possible optimization of respiratory controller sensitivity. Longobardo GS, et al. **Ann Biomed Eng** 1980;8(2):143–58
Relationship between cigarette smoking, chest size and body size in health-screened adult males. Borkan GA, et al. **Ann Hum Biol** 1981 Mar-Apr;8(2):153–60
Ventilatory capacity among highland Bods: a possible adaptive mechanism at high altitude [letter] Cotes JE. **Ann Hum Biol** 1980 May-Jun;7(3):282–3
Aspirated nasogastric feeding solution detected by glucose strips. Winterbauer RH, et al. **Ann Intern Med** 1981 Jul; 95(1):67–8
Central determinants of respiratory rhythm. Cohen MI. **Annu Rev Physiol** 1981;43:91–104 (86 ref.)
Central regulation of respiration by endogenous neurotransmitters and neuromodulators. Eldridge FL, et al. **Annu Rev Physiol** 1981;43:121–35 (74 ref.)
Anatomical organization of central respiratory neurons. Kalia MP. **Annu Rev Physiol** 1981;43:105–20 (77 ref.)
Respiratory patterns and risk of sudden unexpected death in infancy. Franks CI, et al. **Arch Dis Child** 1980 Aug; 55(8):595–9
Bradycardia and associated respiratory changes in neonates. Smith ML, et al. **Arch Dis Child** 1981 Aug;56(8):645–8
Diagnosis of lactose intolerance through the quantification of hydrogen in exhaled air. Larracilla-Alegre J, et al. **Arch Invest Med (Mex)** 1981;12(2):253–68 **(Eng, Spa)**
Effects of vagal nerve and spinal cord stimulation on the activity of bulbar respiratory modulated neuron populations and the accompanying changes of respiratory rate. Fallert M, et al. **Arch Ital Biol** 1981 Feb;119(1):76–90
Respiratory function during physical exercise in normal and obstructed noses. Togawa K, et al. **Arch Otorhinolaryngol** 1981;232(1):1–10
A physiologic study on respiratory handicap of the laryngectomized. Togawa K, et al. **Arch Otorhinolaryngol** 1980;229(1):69–79
Inhalation pharmacokinetics based on gas uptake studies. I. Improvement of kinetic models. Filser JG, et al. **Arch Toxicol** 1981 Jul;47(4):279–92
Inhalation pharmacokinetics based on gas uptake studies. II. Pharmacokinetics of acetone in rats. Hallier E, et al. **Arch Toxicol** 1981 Jul;47(4):293–304
Ventilatory function in laryngectomized patients. Usui N. **Auris Nasus Larynx** 1979;6(2):87–96
A comparison between freon and acetylene rebreathing for measuring cardiac output. Bonde-Petersen F, et al. **Aviat Space Environ Med** 1980 Nov;51(11):1214–21
Relation of breathing oxygen-argon gas mixtures to altitude decompression sickness. Cooke JP, et al. **Aviat Space Environ Med** 1980 Jun;51(6):537–41
Influence of respiration on stroke volume determined by impedance cardiography. Doerr BM, et al. **Aviat Space Environ Med** 1981 Jul;52(7):394–8
Physiological effects of cold air inhalation during exercise. Hartung GH, et al. **Aviat Space Environ Med** 1980 Jun; 51(6):591–4
Effects of severe heat stress on respiration and metabolic rate in resting man. Saxton C. **Aviat Space Environ Med** 1981 May;52(5):281–6
Respiration of 14CO2 by intact animals of various species given L-[1-14C]fucose or D-[1-14C]arabinose. Metzger RP, et al. **Biochim Biophys Acta** 1980 May 22;629(3):482–9
Respiratory oscillator entrainment by periodic vagal afferentes: an experimental test of a model. Vibert JF, et al. **Biol Cybern** 1981;41(2):119–30
Estimation of response slopes in respiratory control. Sherrill DL, et al. **Biomed Sci Instrum** 1980 Apr 21–22;16:45–8
Real time estimate of end-expired halothane concentration for surgical anesthesia. Valenta HL Jr. **Biomed Sci Instrum** 1980 Apr 21–22;16:15–9
Properties of a combined sensor for dynamic measurement of oxygen in simulated respiration. Küchler G, et al. **Biotelem Patient Monit** 1980;7(2):122–30
Abnormal diastolic motion of interventricular septum during inspiratory phase. Echocardiographic study. Ieri A, et al. **Br Heart J** 1980 Jun;43(6):702–4
Ventilator problems caused by humidity in the air supplied from simple compressors. Conely JI, et al. **Br J Anaesth** 1981 May;53(5):549–50
Respiratory mass spectrometry during general anaesthesia. Gillbe CE, et al. **Br J Anaesth** 1981 Jan;53(1):103–9
Respiratory function and cardiorespiratory response to exercise in obesity. Farebrother MJ. **Br J Dis Chest** 1979 Jul;73(3):211–29 (149 ref.)
Gaseous diffusion in the lungs. Horsfield K. **Br J Dis Chest** 1980 Apr;74(2):99–120 (49 ref.)
Changes in the fetal heart rate associated with fetal breathing and fetal movement. Wheeler T, et al. **Br J Obstet Gynaecol** 1980 Dec;87(12):1068–79
Factors affecting the breathing rate of mice as used for studies of radiation damage to lungs. Travis EL, et al. **Br J Radiol** 1981 Jan;54(637):50–3
The oxygen uptake – work-output relationship of runners during graded cycling exercise: sprinters vs. endurance runners. Niemelä K, et al. **Br J Sports Med** 1980 Dec; 14(4):204–9
Sudden infant death syndrome and ventilatory control [letter] Moore A. **Br Med J** 1980 Aug 23;281(6239):562
Measurement of the respiratory metabolism of the fowl. Boshouwers FM, et al. **Br Poult Sci** 1981 Jan;22(1):59–69
Generation of spontaneous respiratory rhythm in high spinal cats. Aoki M, et al. **Brain Res** 1980 Nov 24;202(1):51–63
Temporal correlation of graded reversible inspiratory inhibition with discharge patterns of late inspiratory neurons located in the dorsal respiratory group in cats. Baker JP Jr, et al. **Brain Res** 1980 Nov 3;200(2):331–40
Synaptic input driving respiratory motoneurons in dragonfly larvae. Komatsu A. **Brain Res** 1980 Nov 10;201(1):215–9
A possible participation of endogenous opiates in respiratory reflexes induced by thin-fiber muscular afferents. Kumazawa T, et al. **Brain Res** 1980 Oct 13;199(1):244–8
Electrophysiological demonstration of the projection from expiratory neurones in rostral medulla to contralateral dorsal respiratory group. Lipski J, et al. **Brain Res** 1980 Sep 22;197(2):521–4
The responses of I beta cells to increases in the rate of lung inflation. Marino PL, et al. **Brain Res** 1981 Aug 31; 219(2):289–305
Opiate system influences central respiratory chemosensors. Pokorski M, et al. **Brain Res** 1981 Apr 27;211(1):221–6
Vagal elicitation of respiratory-type and other unit responses in basal limbic structures of squirrel monkeys. Radna RJ, et al. **Brain Res** 1981 May 25;213(1):45–61
Suppressive influences from periaqueductal gray and nucleus raphe magnus on respiration and related reflex activities and on solitary tract neurons, and effect of naloxone. Sessle BJ, et al. **Brain Res** 1981 Jul 6;216(1):145–61
Effects on breathing of putative neurotransmitters in the rostral hypothalamus of the rat. Farber JP, et al. **Brain Res Bull** 1981 Jan;6(1):13–7
Aortic nerve stimulation in the rat: cardiovascular and respiratory responses. Sapru HN, et al. **Brain Res Bull** 1981 May;6(5):393–8
Does the respiratory depth centre mature earlier than the respiratory rate centre? Arsan F. **Bull Eur Physiopathol Respir** 1979;15(6):1137–50
The investigation of the respiratory response to hypercapnia. Cameron IR. **Bull Eur Physiopathol Respir** 1979;15 Suppl:213–21 (22 ref.)
Respiratory muscles in health and disease. Green M, et al. **Bull Eur Physiopathol Respir** 1979;15 Suppl:97–106
Hypercapnia and gas exchange. Hughes JM. **Bull Eur Physiopathol Respir** 1979;15 Suppl:129–35
Changes of ventilatory capacity in an adult population during a five year period. Krzyzanowski M. **Bull Eur Physiopathol Respir** 1980;16(2):155–70
Gas exchange problems in bilateral diaphragm paralysis. Loh L, et al. **Bull Eur Physiopathol Respir** 1979;15 Suppl:137–43
Responses to loaded breathing. A critique and a synthesis. Mead J. **Bull Eur Physiopathol Respir** 1979;15 Suppl:61–73 (15 ref.)
The sensitivity to hypoxia of peripheral and central respiratory control mechanisms under normo- and hypothermic conditions. Oruç T, et al. **Bull Eur Physiopathol Respir** 1979;15(6):1117–28
The role of respiratory mechanics in reducing the ventilatory response to CO2. Pride NB. **Bull Eur Physiopathol Respir** 1979;15 Suppl:75–83 (18 ref.)
Growth and development of mice breathing 42% oxygen. Chalon J, et al. **Bull NY Acad Med** 1981 Jun;57(5):387–94
Respiratory drive and ventilatory pattern during exercise in interstitial lung disease. Van Meerhaeghe A, et al. **Bull Physiopathol Respir (Nancy)** 1981 Jan-Feb;17(1):15–26
Cimetidine as a prophylactic against acid aspiration at tracheal extubation. Coombs DW, et al. **Can Anaesth Soc J** 1981 Jan;28(1):33–8
The effect of posture on the ventilatory response to hypoxia. Slutsky AS, et al. **Can Anaesth Soc J** 1980 Sep;27(5):445–8
The regularity and interrelation of respiratory and cardiac rhythms at rest and during exercise. Duffin J, et al. **Can J Physiol Pharmacol** 1981 Jan;59(1):84–7
Respiratory and cardiovascular responses to temperature changes in the perfused pulmonary arteries of the dog. Ledsome JR, et al. **Can J Physiol Pharmacol** 1981 May; 59(5):493–9
Active respiration rates for the burrowing wolf spider Geolycosa domifex (Hancock). McQueen DJ. **Can J Zool** 1980 Jun;58(6):1066–74
Expiratory increase in the LV outflow obstruction in IHSS [letter] Reddy CV, et al. **Cathet Cardiovasc Diagn** 1980; 6(3):349–50
Morphology and vascular anatomy of the gills of a primitive air-breathing fish, the bowfin (Amia calva). Olson KR. **Cell Tissue Res** 1981;218(3):499–517
Attenuated responses to CO2 and hypoxia in parents of threatened sudden infant death syndrome infants. Berman TM, et al. **Chest** 1981 May;79(5):536–9
Sex differences in the decline of pulmonary function with age. Britt EJ, et al. **Chest** 1981 Jul;80(1 Suppl):79–80
Sensitivity and specificity of early diagnostic tests of lung function in smokers. Dosman JA, et al. **Chest** 1981 Jan; 79(1):6–11
Dirhythmic breathing. Flemister G, et al. **Chest** 1981 Jan; 79(1):33–8
Severe kyphoscoliosis, breathing, and sleep: the 'Quasimodo' syndrome during sleep. Guilleminault C, et al. **Chest** 1981 Jun;79(6):626–30
Respiratory health in cottonseed crushing mills. Jones RN, et al. **Chest** 1981 Apr;79(4 Suppl):30S–33S
Study of respiratory effect of short- and long-term cotton gin exposure. Larson RK, et al. **Chest** 1981 Apr;79(4 Suppl):22S–26S
Air pollution and health effects in children residing in Akron, Ohio. Mostardi RA, et al. **Chest** 1981 Jul;80(1 Suppl):26–7
Routine use of biofeedback in weaning patients from mechanical ventilation [letter] Yarnal JR, et al. **Chest** 1981 Jan;79(1):127
Respiratory activity variations induced in groups of LD 12:12 synchronized Sprague-Dawley rats by a 100 dB white noise emitted at 12-h intervals. Stupfel M, et al. **Chronobiologia** 1980 Jul-Sep;7(3):337–42
Effects of respiration and posture on PSVT [letter] Guntheroth WG. **Circulation** 1981 Apr;63(4):971
Effects of respiration and posture on paroxysmal supraventricular tachycardia. Waxman MB, et al. **Circulation** 1980 Nov;62(5):1011–20
Influence of respiratory maneuvers on jugular venous reflux. Rao BK, et al. **Clin Nucl Med** 1981 Jan;6(1):23–6
Correction of respiratory motion in hepatic scintigraphy. Wilson MA, et al. **Clin Nucl Med** 1981 Aug;6(8):372–4
Fetal breathing movements: an update. Platt LD, et al. **Clin Perinatol** 1980 Sep;7(2):423–33
Ventilatory pattern and drive after acute myocardial infarction. Clarke H, et al. **Clin Sci** 1980 Aug;59(2):115–21
Role of sensory nerves in the cardiovascular and respiratory changes with isometric forearm exercise in man. Duncan O, et al. **Clin Sci** 1981 Feb;60(2):145–55
The effect of respiratory muscle fatigue on respiratory sensations. Gandevia SC, et al. **Clin Sci** 1981 Apr; 60(4):463–6
The contribution of upper airway and inspiratory muscle mechanisms to the detection of pressure changes at the mouth in normal subjects. Gandevia SC, et al. **Clin Sci** 1981 May;60(5):513–8
Influence of breath holding at total lung capacity on maximal expiratory flow measurements. Higenbottam T, et al. **Clin Sci** 1981 Jan;60(1):11–5
Respiratory activity of the vocal cords in normal subjects and patients with airflow obstruction: an electromyographic study. Payne J, et al. **Clin Sci** 1981 Aug; 61(2):163–7
The effects of sustained lung inflation on the pattern of breathing in man. Pearson SB, et al. **Clin Sci** 1981 Jun; 60(6):667–74
Pattern of breathing during cigarette smoking. Rees PJ, et al. **Clin Sci** 1981 Jul;61(1):85–90
Physiology of gas exchange and exertional dyspnoea. Wasserman K. **Clin Sci** 1981 Jul;61(1):7–13 (21 ref.)
Lung washout during spontaneous breathing: parameter estimation with a time-varying model. Saidel GM, et al. **Comput Biomed Res** 1980 Oct;13(5):446–57
Effects of sighs and different tidal volumes on compliance, functional residual capacity and arterial oxygen tension in normal and hypoxemic dogs. Balsys AJ, et al. **Crit Care Med** 1980 Nov;8(11):641–5
Determination of cardiac output based on breath-holding. Hoffstein V, et al. **Crit Care Med** 1980 Nov;8(11):671–4
Contribution of the Haldane effect to the rise of arterial Pco2 in hypoxic patients breathing oxygen. Luft UC, et al. **Crit Care Med** 1981 Jan;9(1):32–7
Cardiorespiratory monitoring during open heart surgery. Prakash O, et al. **Crit Care Med** 1981 Jul;9(7):530–5
Hemodynamic responses to different modes of mechanical ventilation in dogs with normal and acid aspirated lungs. Venus B, et al. **Crit Care Med** 1980 Nov;8(11):620–7
Evaluation of a ventilation monitor. Westenskow DR, et al. **Crit Care Med** 1981 Jan;9(1):64–6
Altered lung mechanics in neonates with persistent fetal circulation syndrome. Yeh TF, et al. **Crit Care Med** 1981 Feb;9(2):83–4
The problem of airways collapse during expiration. Felkel H, et al. **Czech Med** 1980;3(2):169–75
Respiratory frequencies of sleeping infants during the first months of life: correlations between values in different sleep states. Curzi-Dascalova L, et al. **Early Hum Dev** 1981 Feb; 5(1):39–54

Tidal volume and respiratory frequency in infants with bronchopulmonary dysplasia (BPD). Durang M, et al. **Early Hum Dev** 1981 Feb;5(1):55–62

Respiration during the first six months of life in normal infants: IV. Gender differences. Hoppenbrouwers T, et al. **Early Hum Dev** 1980 Jun;4(2):167–77

Regular and irregular human fetal respiratory movement. Timor-Tritsch IE, et al. **Early Hum Dev** 1980 Sep; 4(3):315–24

Respiration-linked 'limbic spindles': vibration artifact recorded from nasopharyngeal and intracerebral electrodes. Engel J Jr. **Electroencephalogr Clin Neurophysiol** 1980 Aug; 49(3–4):366–72

An electrophysiological analysis of sleep and respiration of rats breathing different gas mixtures: diaphragmatic muscle function. Megirian D, et al. **Electroencephalogr Clin Neurophysiol** 1980 Nov; 50(3–4):303–13

Electromyographic study of the trapezius (pars media) and rhomboideus major muscles during respiration. De Freitas V, et al. **Electromyogr Clin Neurophysiol** 1980 Oct–Dec; 20(6):503–7

Electromyography of the human pharynx: discharge patterns of the superior pharyngeal constrictor during respiration. Hairston LE, et al. **Electromyogr Clin Neurophysiol** 1981 Feb–Mar;21(2–3):299–306

Electromyography of the human palate: discharge patterns of the levator and tensor veli palatini. Hairston LE, et al. **Electromyogr Clin Neurophysiol** 1981 Feb–Mar; 21(2–3):287–97

DMG patterns of oropharyngeal muscles during respiration in wakefulness and sleep. Sauerland EK, et al. **Electromyogr Clin Neurophysiol** 1981 Feb–Mar; 21(2–3):307–16

Nose or mouth breathing? Camner P, et al. **Environ Res** 1980 Apr;21(2):394–8

Cardiac responses to demanding mental load. Hitchen M, et al. **Ergonomics** 1980 Apr;23(4):379–85

Perception of effort and respiratory sensitivity during exposure to ozone. Mihevic PM, et al. **Ergonomics** 1981 May;24(5):365–74

Heart rate and ventilatory frequency as dimension-dependent variables. Asmussen E, et al. **Eur J Applied Physiol** 1981; 46(4):379–86

Prediction of maximal oxygen uptake in boys 11–13 years of age. Binyildiz PO. **Eur J Applied Physiol** 1980; 43(3):213–9

Propranolol and the respiratory, circulatory, and ECG responses to high altitude. Boutellier U, et al. **Eur J Applied Physiol** 1981;46(2):105–19

Ventilatory CO2 response in endurance-trained rats. Hughson RL. **Eur J Applied Physiol** 1980;45(2–3):103–8

Ventilatory response to hypercapnia in sprint and long-distance swimmers. Ohkuwa T, et al. **Eur J Applied Physiol** 1980;43(3):235–41

Cardiorespiratory response to treadmill and bicycle exercise in runners. Pannier JL, et al. **Eur J Applied Physiol** 1980; 43(3):243–51

Lipid metabolism during exercise. II. Respiratory exchange ratio and muscle glycogen content during 4 h bicycle ergometry in two groups of healthy men. Rahkila P, et al. **Eur J Applied Physiol** 1980;44(3):245–54

Critical analysis of the 'anaerobic threshold' during exercise at constant workloads. Scheen A, et al. **Eur J Applied Physiol** 1981;46(4):367–77

Physical demands during folk dancing. Wigaeus E, et al. **Eur J Applied Physiol** 1980;45(2–3):177–83

The validity of anaerobic threshold determination by a Douglas bag method compared with arterial blood lactate concentration. Yoshida T, et al. **Eur J Applied Physiol** 1981; 46(4):423–30

Changes in regional and overall lung function after bronchography. Richez M, et al. **Eur J Nucl Med** 1980 Dec;5(6):477–80

Ventilation and pulmonary gas exchange at rest and during exercise in boys with bronchial asthma. Graff-Lonnevig V, et al. **Eur J Respir Dis** 1980 Dec;61(6):357–66

Pleural plaques and lung function in construction workers exposed to asbestos. Hedenstierna G, et al. **Eur J Respir Dis** 1981;62(2):111–22

A dose-response-like relationship between minute ventilation and exercise-induced bronchoconstriction in young asthmatic patients. Kivity S, et al. **Eur J Respir Dis** 1980 Dec;61(6):342–6

Peripheral and central nervous system mechanisms controlling exercise-induced breathing patterns. Vidruk EH, et al. **Exerc Sport Sci Rev** 1980;8:129–47 (67 ref.)

An analysis of the effect of age on respiratory and digestive functions of the rat. Masoro EJ. **Exp Aging Res** 1975 Nov; 1(2):325–34

Cross correlation of medullary expiratory neurons in the cat. Graham K, et al. **Exp Neurol** 1981 Aug;73(2):451–64

Respiratory-related heart rate variation during sleep and waking states in cats. Trelease RB, et al. **Exp Neurol** 1981 Apr;72(1):195–203

Activity of bulbar respiratory modulated neurons and restart of respiration after hypocapnic apnea in rabbits. Fallert M, et al. **Experientia** 1980 Aug 15;36(8):981–4

Mechanical effects of inspiration on heart functions: a review. Bromberger-Barnea B. **Fed Proc** 1981 Jun;40(8):2172–7

Multicomponent diffusion in the lung. Chang HK. **Fed Proc** 1980 Aug;39(10):2759–64

How is respiratory rhythm generated? Cohen MI. **Fed Proc** 1981 Jul;40(9):2372–7

Use of the choke point in the prediction of flow limitation in elastic tubes. Dawson SV, et al. **Fed Proc** 1980 Aug; 39(10):2765–70

Spatial considerations in oscillation mechanics of the lung. Fredberg JJ. **Fed Proc** 1980 Aug;39(10):2747–54

Interaction of carotid chemoreceptor and pulmonary inflation reflexes in circulatory regulation in conscious dogs. Vatner SF, et al. **Fed Proc** 1981 Jun;40(8):2188–93

Induced corpus luteum dysfunction after aspiration of the preovulatory follicle in monkeys. Kreitmann O, et al. **Fertil Steril** 1981 Jun;35(6):671–5

Studies on breath methane: the effect of ethnic origins and lactulose. Pitt P, et al. **Gut** 1980 Nov;21(11):951–4

Influence of nose and mouth breathing on particle deposition in the lung. Camner P. **Health Phys** 1981 Jan;40(1):99–100

Reading pulmonary artery and pulmonary capillary wedge pressure waveforms with respiratory variations. Riedinger MS, et al. **Heart Lung** 1981 Jul–Aug;10(4):675–8

Comparison of regulation of respiration in transitional and steady-state regimes of muscular work and under the influence of additional resistance. Breslav IS, et al. **Hum Physiol** 1980 Nov–Dec;6(6):401–6

Effect of density of gas mixtures on the work of the respiratory apparatus. Breslav IS, et al. **Hum Physiol** 1980 Mar–Apr;6(2):145–50

Dependence of the duration of the transitional period of ventilation on power of the load. Bykhovskaya IM, et al. **Hum Physiol** 1979 Sep–Oct;5(5):626–9

Changes in the system of external respiration (the mechanics of breathing) during adaptation to cold. Landysheva IV, et al. **Hum Physiol** 1980 Jul–Aug;6(4):283–8

Some characteristics of external respiratory function in ontogeny. Seredenko MM, et al. **Hum Physiol** 1979 Sep–Oct;5(5):620–5

Uniformity of alveolar ventilation and its assessment in newborn infants. Yaroslavskii VK. **Hum Physiol** 1979 Sep–Oct;5(5):630–3

On-line blood and respiratory gas analysis. Newell JC, et al. **IEEE Trans Biomed Eng** 1980 Sep;27(9):523–7

Ventilatory functions and sputum cytology in slate pencil workers silicosis. Jain SM, et al. **Indian J Chest Dis Allied Sci** 1980 Apr–Jun;22(2):103–9

Respiratory performance and grip strength tests on the basketball players of inter-university competition. De AK, et al. **Indian J Physiol Pharmacol** 1980 Oct–Dec;24(4):305–9

Effects of aspirated and swallowed water in mongrel dogs subjected to fresh-water drowning. Rai UC, et al. **Indian J Physiol Pharmacol** 1980 Jul–Sep;24(3):197–204

Role of vagus during exercise in thermal panting. Saxena R, et al. **Indian J Physiol Pharmacol** 1980 Jul–Sep; 24(3):190–6

Common ventilatory modes: terminology. Eross B, et al. **Int Anesthesiol Clin** 1980 Summer;18(2):11–22

Temperatures of expired air under varying climate conditions. Höppe P. **Int J Biometeorol** 1981 Jun; 25(2):127–32

Respiratory reflexes (breath holding time) in leprosy [letter] Malik SK, et al. **Int J Lepr** 1981 Mar;49(1):94

Lack of pneumophonic coordination as a factor of functional dysphony. Dejonckere PH, et al. **Int J Rehabil Res** 1980; 3(1):81–2

A survey of applications of modeling to respiration. Petersen ES. **Int Rev Physiol** 1981;23:261–326 (302 ref.)

Effects of sleep on control of breathing. Remmers JE. **Int Rev Physiol** 1981;23:111–47 (147 ref.)

Respiratory physiology of exercise: metabolism, gas exchange, and ventilatory control. Wasserman K, et al. **Int Rev Physiol** 1981;23:149–211 (211 ref.)

The continuous monitoring of CO2 ductances in pulmonary intensive care. Polu JM, et al. **Intensive Care Med** 1980 Aug;6(4):223–30

Periodic breathing, and sleep apnoea in normal and premature Irish infants. Matthews TG, et al. **Ir Med J** 1981 Mar; 74(3):83–4

Lung inflation can cause pulmonary edema in zone I of in situ dog lungs. Albert RK, et al. **J Appl Physiol** 1980 Nov; 49(5):815–9

Dynamics of ventilatory response to exercise in humans. Bennett FM, et al. **J Appl Physiol** 1981 Jul;51(1):194–203

Effects of temperature on acid-base balance and ventilation in desert iguanas. Bickler PE. **J Appl Physiol** 1981 Aug; 51(2):452–60

Single motor unit activity in the diaphragm of cat during pressure breathing. Bishop B, et al. **J Appl Physiol** 1981 Feb;50(2):348–57

A piston pump for respiration simulation. Boutellier U, et al. **J Appl Physiol** 1981 Mar;50(3):663–4

Development of patterns of respiratory activity in unanesthetized fetal sheep in utero. Bowes G, et al. **J Appl Physiol** 1981 Apr;50(4):693–700

Control of genioglossus muscle inspiratory activity. Brouillette RT, et al. **J Appl Physiol** 1980 Nov;49(5):801–8

Nonhomogeneous alveolar pressure swings in the presence of airway closure. Brown R, et al. **J Appl Physiol** 1980 Sep;49(3):398–402

Effects of added inspiratory loads on load detection thresholds. Burki NK. **J Appl Physiol** 1981 Jan;50(1):162–4

Hysteresis in the relation between diffusing capacity of the lung and lung volume. Cassidy SS, et al. **J Appl Physiol** 1980 Oct;49(4):566–70

Brain hypoxia and control of breathing: neuromechanical control. Chapman RW, et al. **J Appl Physiol** 1980 Sep; 49(3):497–505

Volume of trapped gas in lungs of healthy humans. Christensson P, et al. **J Appl Physiol** 1981 Jul;51(1):172–5

Measurement of dead space ventilation using a pHa servo-controlled ventilator. Coon RL, et al. **J Appl Physiol** 1981 Jul;51(1):154–9

Contribution of gas exchange to slope of phase III of the single-breath nitrogen test. Cormier Y, et al. **J Appl Physiol** 1981 Jun;50(6):1156–60

Ventilation, perfusion, and cardiogenic oscillations of the single-breath N2 test. Cormier Y, et al. **J Appl Physiol** 1980 Oct;49(4):552–7

Influence of small mechanical loads of variability of breathing pattern. Daubenspeck JA. **J Appl Physiol** 1981 Feb; 50(2):299–306

Breathing at low lung volumes and chest strapping: a comparison of lung mechanics. Douglas NJ, et al. **J Appl Physiol** 1981 Mar;50(3):650–7

Carbonic anhydrase activity of rabbit lungs. Effros RM, et al. **J Appl Physiol** 1980 Oct;49(4):589–600

Response of alveolar epithelial solute permeability to changes in lung inflation. Egan EA. **J Appl Physiol** 1980 Dec; 49(6):1032–6

Effect of regional chest wall restriction on regional lung function. Forkert L. **J Appl Physiol** 1980 Oct;49(4):655–62

Maturational changes of reflexes influencing inspiratory timing in newborns. Gerhardt T, et al. **J Appl Physiol** 1981 Jun;50(6):1282–5

Effects of expiratory loading on respiration in humans. Gothe B, et al. **J Appl Physiol** 1980 Oct;49(4):601–8

Respiratory control during hypoxia in newborn rabbits: implied action of endorphins. Grunstein MM, et al. **J Appl Physiol** 1981 Jul;51(1):122–30

Development of CO2 sensitivity: effects of gestational age, postnatal age, and sleep state. Guthrie RD, et al. **J Appl Physiol** 1981 May;50(5):956–61

Control of breathing in Sherpas at low and high altitude. Hackett PH, et al. **J Appl Physiol** 1980 Sep;49(3):374–9

Airway closure in each lung of anesthetized human subjects. Hedenstierna G, et al. **J Appl Physiol** 1981 Jan;50(1):55–64

Reduced norepinephrine response to dynamic exercise in human subjects during O2 breathing. Hesse B, et al. **J Appl Physiol** 1981 Jul;51(1):176–8

Pulmonary mechanisms and work of breathing at maximal ventilation and raised air pressure. Hesser CM, et al. **J Appl Physiol** 1981 Apr;50(4):747–53

Volume, flow, and timing of each breath during negative airway pressure in humans. Hirsch JA, et al. **J Appl Physiol** 1981 Mar;50(3):552–60

Effect of chest wall vibration on ventilation in patients with spinal cord lesion. Homma I, et al. **J Appl Physiol** 1981 Jan;50(1):107–11

Diminished hypoxic ventilatory responses in near-miss sudden infant death syndrome. Hunt CE, et al. **J Appl Physiol** 1981 Jun;50(6):1313–7

Ventilatory responses to muscular vibrations in healthy humans. Jammes Y, et al. **J Appl Physiol** 1981 Aug; 51(2):262–9

Ventilatory responses of newborn calves to progressive hypoxia in quiet and active sleep. Jeffery HE, et al. **J Appl Physiol** 1980 May;48(5):892–5

A control system for arterial blood gases. Kawakami Y, et al. **J Appl Physiol** 1981 Jun;50(6):1362–6

Pulmonary mechanics and gas exchange in seated normal men with chest restriction. Klineberg PL, et al. **J Appl Physiol** 1981 Jul;51(1):26–32

Ventilation during prolonged hypercapnia in the rat. Lai YL, et al. **J Appl Physiol** 1981 Jul;51(1):78–83

Prolonged central respiratory inhibition following reflex-induced apnea. Lawson EE. **J Appl Physiol** 1981 Apr;50(4):374–9

Pathophysiology of gas exchange and pulmonary perfusion in pneumococcal lobar pneumonia in dogs. Light RB, et al. **J Appl Physiol** 1981 Mar;50(3):524–30

Failure of tracheal distension to inhibit breathing in anesthetized dogs. Lloyd TC Jr, et al. **J Appl Physiol** 1980 May;48(5):794–8

Diaphragmatic EMG and occlusion pressure response to elastic loading during CO2 rebreathing in humans. Lopata M, et al. **J Appl Physiol** 1980 Oct;49(4):669–75

Control of breathing during prolonged exercise. Martin BJ, et al. **J Appl Physiol** 1981 Jan;50(1):27–31

Effect of a constant arterial CO2 tension on respiratory pattern in hear-stressed sheep. Maskrey M, et al. **J Appl Physiol** 1981 Feb;50(2):315–9

Effects of 100% O2 breathing on permeability of alveolar epithelium to solute. Matalon S, et al. **J Appl Physiol** 1981 Apr;50(4):859–63

Thermal control of respiratory evaporative heat loss in exercising dogs. Mercer JB, et al. **J Appl Physiol** 1980 Dec; 49(6):979–84

On chemoreceptor control of ventilatory responses to CO2 in unanesthetized ducks. Milsom WK, et al. **J Appl Physiol** 1981 Jun;50(6):1121–8

Effect of PEEP on gas exchange and pulmonary perfusion in canine lobar pneumonia. Mink SN, et al. **J Appl Physiol** 1981 Mar;50(3):517–23

Evaluation using dogs of a method for estimating cardiac output from a single breath. Mohammed MM, et al. **J Appl Physiol** 1981 Jan;50(1):200–2

Evaluation using dogs of a method for estimating mixed venous and arterial PCO2 from a single breath. Mohammed MM, et al. **J Appl Physiol** 1981 Jan;50(1):196–9

Tonic inspiratory muscle activity as a cause of hyperinflation in histamine-induced asthma. Muller N, et al. **J Appl Physiol** 1980 Nov;49(5):869–74

Mechanical properties of lungs and chest wall during spontaneous breathing. Nagels J, et al. **J Appl Physiol** 1980 Sep;49(3):408–16

Diaphragmatic and genioglossal electromyogram responses to CO2 rebreathing in humans. Onal E, et al. **J Appl Physiol** 1981 May;50(5):1052–5

Effect of CO2 set point on ventilatory response to exercise. Oren A, et al. **J Appl Physiol** 1981 Jul;51(1):185–9

Augmentation of phrenic neural activity by increased rates of lung inflation. Pack AI, et al. **J Appl Physiol** 1981 Jan; 50(1):149–61

Critical dependence of respiratory rhythmicity on metabolic CO2 load. Phillipson EA, et al. **J Appl Physiol** 1981 Jan; 50(1):45–54

Metabolic response to respiratory heat loss-induced core cooling. Piantadosi CA, et al. **J Appl Physiol** 1981 Apr; 50(4):829–34

Atelectatic lobe blood flow: open vs. closed chest, positive pressure vs. spontaneous ventilation. Pirlo AF, et al. **J Appl Physiol** 1981 May;50(5):1022–6

Phasic vagal influence on inspiratory motor output in anesthetized human subjects. Polacheck J, et al. **J Appl Physiol** 1980 Oct;49(4):609–19

Respiratory reflexes evoked by tracheal distension. Rao SV, et al. **J Appl Physiol** 1981 Feb;50(2):421–7

Comparison of two- and four-magnetometer methods of measuring ventilation. Robertson CH Jr, et al. **J Appl Physiol** 1980 Sep;49(3):355–62

An O2–CO2 mixing system for studies on water-breathing animals. Rodeau JL, et al. **J Appl Physiol** 1981 Jul; 51(1):229–31

Brain stem genesis of automatic ventilatory patterns independent of spinal mechanisms. St. John WM, et al. **J Appl Physiol** 1981 Jul;51(1):204–10

Comparison of phrenic motoneuron activity during eupnea and gasping. St. John WM, et al. **J Appl Physiol** 1981 May; 50(5):994–8

A characterization of the respiratory pattern of gasping. St. John WM, et al. **J Appl Physiol** 1981 May;50(5):984–93

Ventilation in exercise studied with circulatory occlusion. Sargeant AJ, et al. **J Appl Physiol** 1981 Apr;50(4):718–23

Respiratory drives and exercise in menstrual cycles of athletic and nonathletic women. Schoene RB, et al. **J Appl Physiol** 1981 Jun;50(6):1300–5

Effects of urinary bladder afferents on respiration. Schondorf R, et al. **J Appl Physiol** 1980 May;48(5):826–32

Respiratory pattern changes during costovertebral joint movement. Shannon R. **J Appl Physiol** 1980 May; 48(5):862–7

Time course of phrenic activity and respiratory pressures during airway occlusion in cats. Siafakas NM, et al. **J Appl Physiol** 1981 Jul;51(1):99–108

Phrenic activity, respiratory pressures, and volume changes in cats. Siafakas NM, et al. **J Appl Physiol** 1981 Jul; 51(1):109–21

Steady flow in a model of human central airways. Slutsky AS, et al. **J Appl Physiol** 1980 Sep;49(3):417–23

Temperature regulation in the dog in helium-oxygen environments. Stein PM, et al. **J Appl Physiol** 1981 Mar; 50(3):478–81

Activation of upper airway muscles before onset of inspiration in normal humans. Strohl KP, et al. **J Appl Physiol** 1980 Oct;49(4):638–42

Inhalation patterns and predominant site of bronchoconstriction in healthy subjects. Strohl KP, et al. **J Appl Physiol** 1981 Mar;50(3):575–9

Measurement and analysis of gas exchange during exercise using a programmable calculator. Sue DY, et al. **J Appl Physiol** 1980 Sep;49(3):456–61

Comparison of airway closure measured in vivo and from single-breath washout curve. Susskind H, et al. **J Appl Physiol** 1981 Mar;50(3):587–96

Effect of aging on respiratory sensations produced by elastic loads. Tack M, et al. **J Appl Physiol** 1981 Apr;50(4):844–50

Cardiovascular and respiratory reflexes from muscles during dynamic and static exercise. Tallarida G, et al. **J Appl Physiol** 1981 Apr;50(4):784–91

Cardiorespiratory and metabolic responses to treadmill exercise in the horse. Thomas DP, et al. **J Appl Physiol** 1981 Apr;50(4):864–8

Analysis of error in the determination of respiratory gas exchange at varying FIO2. Ultman JS, et al. **J Appl Physiol** 1981 Jan;50(1):210–6

Hindrance to diffusive gas mixing in the lung in hyperbaric environments. Van Liew HD, et al. **J Appl Physiol** 1981 Aug;51(2):243–7

Exchanges of oxygen and carbon dioxide alter inert gas pattern in single-breath tests. Van Liew HD, et al. **J Appl Physiol** 1981 Mar;50(3):487–92

Effects of intrapleural pressure changes on canine left ventricular function. Wead WB, et al. **J Appl Physiol** 1981 May;50(5):1027–35

Distribution of xenon gas exchange rates in dogs. Weathersby PK, et al. **J Appl Physiol** 1981 Jun;50(6):1325–36

A test to determine parameters of aerobic function during exercise. Whipp BJ, et al. **J Appl Physiol** 1981 Jan; 50(1):217–21

Respiratory neuromuscular output during breath holding. Whitelaw WA, et al. **J Appl Physiol** 1981 Feb;50(2):435–43

Coordination of breathing and swallowing in human infants. Wilson SL, et al. **J Appl Physiol** 1981 Apr;50(4):851–8

Perception of changes in breathing in normal human subjects. Wolkove N, et al. **J Appl Physiol** 1981 Jan;50(1):78–83

Temporal changes in effectiveness of a constant inspiratory-terminating vagal stimulus. Younes M, et al. **J Appl Physiol** 1981 Jun;50(6):1183–92

Ventilatory function alterations and variability in asthma. Smith LJ. **J Asthma** 1981 Jan;18(1):13–5

Abnormal hyperventilation test in chronic Chagas' disease. Iosa DJ, et al. **J Auton Nerv Syst** 1980 May;2(1):87–92

Comparison of the respiratory responses to external resistive loading and bronchoconstriction. Kelsen SG, et al. **J Clin Invest** 1981 Jun;67(6):1761–8

How does HeO2 increase maximum expiratory flow in human lungs? Mink SN, et al. **J Clin Invest** 1980 Oct;66(4):720–9

Computed tomography of the normal larynx during quiet breathing and phonation. Gamsu G, et al. **J Comput Assist Tomogr** 1981 Jun;5(3):353–60

Side effects of xenon inhalation. Yonas H, et al. **J Comput Assist Tomogr** 1981 Aug;5(4):591–2

The effect of dental amalgams on mercury levels in expired air. Svare CW, et al. **J Dent Res** 1981 Sep;60(9):1668–71

Ventilatory responses to hypoxaemia during sleep in the newborn. Henderson-Smart DJ, et al. **J Dev Physiol** 1979 Jun;1(3):195–208

Respiratory variation in Frank vectorcardiography and echocardiography in children. Raviele A, et al. **J Electrocardiol** 1981;14(1):73–8

Respiratory and vagal modulation of ventricular tachycardia. Waxman MB, et al. **J Electrocardiol** 1981;14(1):83–9

The role of vagal afferent information and hypercapnia in control of the breathing pattern in chelonia. Milsom WK, et al. **J Exp Biol** 1980 Aug;87:53–63

Pulmonary uptake and amounts of solvents metabolized at different physical loads. Boček K. **J Hyg Epidemiol Microbiol Immunol** 1980;24(4):414–24

Aerosol deposition in the respiratory tract of the rat. Experimental results and mathematical modelling. Halík J, et al. **J Hyg Epidemiol Microbiol Immunol** 1980; 24(4):405–13

Foreign body aspiration in children. Awotwi JD, et al. **J La State Med Soc** 1981 Jun;133(6):87–9

Cost, care, and cysts. Rasmussen EP. **J Med Assoc Ga** 1981 Jun;70(6):425–6

Dynamics of changes in the acid–base equilibrium of arterial blood and the cerebrospinal fluid in conditions of natural hyperventilation and apnoea. Mrówka R. **J Neurol Sci** 1981 Feb;49(2):181–91

Depth distribution of temporal firing patterns in olfactory bulb related to air–intake cycles. Onoda N, et al. **J Neurophysiol** 1980 Jul;44(1):29–39

Patterns of regional ventilation in patients with cardiomegaly or left heart failure. Secker-Walker RH, et al. **J Nucl Med** 1981 Mar;22(3):212–8

Clinical ventilation imaging with 113mIn aerosol. Wollmer P, et al. **J Nucl Med Allied Sci** 1980 Jul–Dec;24(3–4):215–20

Mean airway pressure calculation [letter] Dillard RG. **J Pediatr** 1980 Sep;97(3):506–7

The obesity hypoventilation syndrome in children with the Prader–Willi syndrome: a possible role for familial decreased response to carbon dioxide. Orenstein DM, et al. **J Pediatr** 1980 Nov;97(5):765–7

Decreased ventilation response to hypoxia in children with asthma. Smith TF, et al. **J Pediatr** 1980 Nov;97(5):736–41

Oxygen consumption and insensible water loss in premature infants in single-versus double-walled incubators. Yeh TF, et al. **J Pediatr** 1980 Dec;97(6):967–71

The relationship between peak inspiratory pressure and positive end expiratory pressure on the volume of air lost through a bronchopleural fistula. Dennis JW, et al. **J Pediatr Surg** 1980 Dec;15(6):971–6

Respiratory hydrogen secretion: a simple test of bowel adaptation in infants with short gut syndrome. Shermeta DW, et al. **J Pediatr Surg** 1981 Jun;16(3):271–4

Behavioral states and breathing activity in the fetus near term. Junge HD, et al. **J Perinat Med** 1980;8(3):150–7

Fetal breathing and body movement in relation to maternal meals in normal and insulin-dependent pregnancies. Roodenburg PJ, et al. **J Perinat Med** 1981;9 Suppl 1:149–50

Breathing movements in fetal lambs and the effect of hypercapnia. Chapman RL, et al. **J Physiol (Lond)** 1980 May;302:19–29

Phase relationship between normal human respiration and baroreflex responsiveness. Eckberg DL, et al. **J Physiol (Lond)** 1980 Jul;304:489–502

Input–output relationships of central neural circuits involved in respiration in cats. Eldridge FL, et al. **J Physiol (Lond)** 1981 Feb;311:81–95

The relationship between maximal ventilation, breathing pattern and mechanical limitation of ventilation. Jensen JI, et al. **J Physiol (Lond)** 1980 Dec;309:521–32

The respiratory role of the ventral surface of the medulla studied in the anaesthetized rat. Malcolm JL, et al. **J Physiol (Lond)** 1980 Oct;307:503–15

Chest wall movements during fetal breathing in the sheep. Poore ER, et al. **J Physiol (Lond)** 1980 Apr;301:307–15

Postnatal development of vagal control of breathing in the kitten. Marlot D, et al. **J Physiol (Paris)** 1979;75(8):891–900

Influence of respiratory patterns on the increases and decreases in heart rates in heart rate biofeedback training. Holmes DS, et al. **J Psychosom Res** 1980;24(3–4):147–53

Evaluation of electrical parameters for diaphragm pacing: an experimental study. Oda T, et al. **J Surg Res** 1981 Feb; 30(2):142–53

Unstable dynamics of a periodically driven oscillator in the presence of noise. Glass L, et al. **J Theor Biol** 1980 Oct 7;86(3):455–75

A breathing model of the respiratory system; the controlled system. Saunders KB, et al. **J Theor Biol** 1980 May 7; 84(1):135–61

Oscillations of arterial CO2 tension in a respiratory model: some implications for the control of breathing in exercise. Saunders KB. **J Theor Biol** 1980 May 7;84(1):163–79

Respiratory rate as an indicator of acute respiratory dysfunction. Gravelyn TR, et al. **JAMA** 1980 Sep 5; 244(10):1123–5

Of breath and spirits. Gravenstein JS, et al. **JAMA** 1981 Sep 4;246(10):1091–2

Respiratory changes of the P loop in the Frank vectorcardiogram. Ishibe Y, et al. **Jpn Heart J** 1980 Sep; 21(5):633–44

Blood lactate after strenuous exercise with and without breath-holding. Fujitsuka N, et al. **Jpn J Physiol** 1980; 30(2):309–12

Maintenance of respiratory rhythm-generation by vascular perfusion with physiological saline in the isolated head of the carp. Kawasaki R. **Jpn J Physiol** 1980;30(4):575–89

Effects of chemical drive on the inhibition of respiration produced by laryngeal stimulation in cats. Nishino T. **Jpn J Physiol** 1980;30(6):827–40

Effects of tracheal bypass breathing on heat balance in rabbits. Sugano Y, et al. **Jpn J Physiol** 1980;30(5):701–8

A new system for monitoring respiratory patterns of small laboratory animals. Beven JL. **Lab Anim** 1980 Apr; 14(2):133–5

Clinical implications of the diving response [editorial] **Lancet** 1981 Jun 27;1(8235):1403–4

The hypoxic drive to breathing in man. Leitch AG. **Lancet** 1981 Feb 21;1(8217):428–30

Influence of hemoglobin concentration on lung diffusing capacity for CO at high altitude. Pasquis P, et al. **Lung** 1981;159(2):109–12

Breathing ratemeter for neonatal intensive care. Ben-Yaakov S, et al. **Med Biol Eng Comput** 1979 Nov;17(6):742–50

Monitoring the respiratory and heart rate of assembly-line factory workers. Knight JL Jr, et al. **Med Biol Eng Comput** 1980 Nov;18(6):797–8

Analysis of small discrete samples of gas with a respiratory mass spectrometer. Mapleson WW, et al. **Med Biol Eng Comput** 1980 Nov;18(6):701–8

The effects of hypercapnia on metabolic responses to progressive exhaustive work. Graham T, et al. **Med Sci Sports Exerc** 1980;12(4):278–84

Cold air inhalation and esophageal temperature in exercising humans. Jaeger JJ, et al. **Med Sci Sports Exerc** 1980; 12(5):365–9

Circulation and respiration response to arm exercise and lower body negative pressure. Kobayashi Y, et al. **Med Sci Sports Exerc** 1980;12(4):244–9

Ventilatory endurance in athletes and non-athletes. Martin BJ, et al. **Med Sci Sports Exerc** 1981;13(1):21–6

Body temperature, respiration, and acid–base equilibrium during prolonged runni.g. Sawka MN, et al. **Med Sci Sports Exerc** 1980;12(5):370–4

Cycled respiration: an aid to auscultation of the heart. Humphries JO. **Mod Concepts Cardiovasc Dis** 1981 Jul; 50(7):37–41

Influence of corticosteroid treatment on pulmonary function after recovery from aspiration of gastric contents. Lee M, et al. **Mt Sinai J Med (NY)** 1980 Jul–Aug;47(4):341–6

Evaluation of corticosteroid treatment in aspiration of gastric contents: A controlled clinical trial. Sukumaran M, et al. **Mt Sinai J Med (NY)** 1980 Jul–Aug;47(4):335–40

Respiratory function in the muscular dystrophies. Rideau Y, et al. **Muscle Nerve** 1981 Mar–Apr;4(2):155–64

Endorphins and the control of breathing [letter] Bar-Or D, et al. **N Engl J Med** 1981 Aug 27;305(9):521

Endorphins and ventilatory control [editorial] Chernick V. **N Engl J Med** 1981 May 14;304(20):1227–8

Hypopnea associated with acetate hemodialysis: carbon dioxide-flow-dependent ventilation. Dolan MJ, et al. **N Engl J Med** 1981 Jul 9;305(2):72–5

Is diaphragmatic contractility important? [editorial] Rochester DF. **N Engl J Med** 1981 Jul 30;305(5):278–9

Breath-by-breath analysis of expiratory gas concentration in chickens. Itabisashi T. **Natl Inst Anim Health Q (Tokyo)** 1981 Spring;21(1):42–51

Altered cerebral inhibition of respiratory and cardiac responses to hypercapnia in acute stroke. Klassen AC, et al. **Neurology (NY)** 1980 Sep;30(9):951–5

Erroneous classification of neuronal activity by the respiratory modulation index. Netick A, et al. **Neurosci Lett** 1981 Feb 6;21(3):301–6

In utero meconium aspiration by the baboon fetus. Block MF, et al. **Obstet Gynecol** 1981 Jan;57(1):37–40

Intrauterine meconium aspiration. Brown BL, et al. **Obstet Gynecol** 1981 Jan;57(1):26–9

A disposable surgical drape elevator. Nevvas HJ. **Ophthalmic Surg** 1981 Feb;12(2):115–6

Effects of CO2 inhalation on cochlear blood circulation.

Hultcrantz E, et al. **ORL J Otorhinolaryngol Relat Spec** 1980;42(5):304–12

Accessory muscle activity and respiration. Ellenbogen BG, et al. **Otolaryngol Head Neck Surg** 1981 May–Jun;89(3 Pt 1):370–5

The airway mechanics of jet ventilation. Lyons D, et al. **Otolaryngol Head Neck Surg** 1981 May–Jun;89(3 Pt 1):364–9

Lung volumes and mechanics of breathing in tetraplegics. Forner JV. **Paraplegia** 1980 Aug;18(4):258–66

Ventilation and ventilatory pattern during sleep in aborted sudden infant death syndrome. Haddad GG, et al. **Pediatr Res** 1981 May;15(5):879–83

Respiration during the first six months of life in normal infants. III. Computer identification of breathing pauses. Hoppenbrouwers T, et al. **Pediatr Res** 1980 Nov; 14(11):1230–3

Body posture and breathing frequency in newborn mammals. Mortola JP. **Pediatr Res** 1980 Dec;14(12):1403–7

Spontaneous variability in minute ventilation oxygen consumption and heart rate of low birth weight infants. Schulze K, et al. **Pediatr Res** 1981 Aug;15(8):1111–6

Hypoxic ventilatory response in the newborn monkey. Woodrum DE, et al. **Pediatr Res** 1981 Apr;15(4 Pt 1):367–70

Neural drive and ventilatory strategy of breathing in normal children, and in patients with cystic fibrosis and asthma. Bureau MA, et al. **Pediatrics** 1981 Aug;68(2):187–94

Arterial oxygen desaturation during sleep in children with asthma and its relation to airway obstruction and ventilatory drive. Smith TF, et al. **Pediatrics** 1980 Nov; 66(5):746–51

Modified regulated-breathing in treatment of a single case of stuttering. Jones RB. **Percept Mot Skills** 1981 Feb; 52(1):130

Reflex inotropic responses of the heart from lung inflation in anaesthetized dogs. Greenwood PV, et al. **Pfluegers Arch** 1980 Jul;386(2):199–205

Pulmonary gas exchange during acute myocardial ischaemia a study in the closed chest anaesthetized dog. Hendriks FF, et al. **Pfluegers Arch** 1980 Dec;388(3):197–204

Respiratory response to somatic stimulation in fetal lambs during sleep and wakefulness. Ioffe S, et al. **Pfluegers Arch** 1980 Nov;388(2):143–8

Cardiorespiratory effects of hypothermia and bicarbonate alkalosis. Krausz S, et al. **Pfluegers Arch** 1980 Oct; 388(1):79–81

Reflex effects on human breathing of breath-by-breath changes of the time profile of alveolar PCO2 during steady hypoxia. Metias EF, et al. **Pfluegers Arch** 1981 Mar; 389(3):243–50

Intra-aortic decrease in blood plasma pH. Rispens R, et al. **Pfluegers Arch** 1980 Jul;386(1):97–9

The interaction between reflex apnoea and bradycardia produced by injecting 5-HT into the nodose ganglion of the cat. Sutton PM. **Pfluegers Arch** 1981 Mar;389(3):181–7

Analysis of alveolar PCO2 control during the menstrual cycle. Takano N, et al. **Pfluegers Arch** 1981 Apr; 390(1):56–62

Cardiorespiratory adjustments to tethered-swimming in the horse. Thomas DP, et al. **Pfluegers Arch** 1980 MAY; 385(1):65–70

Breathing pattern during exercise in runners. Sorbini CA, et al. **Pharmacol Res Commun** 1981 Mar;13(3):287–99

The influence of variations in the ventilation rate in rooms upon the respiratory dose from inhalation of radon daughters. Stranden E. **Phys Med Biol** 1979 Sep; 24(5):913–20

Grouping and respiratory behavior induced in rats and quails by LD12:12 illumination. Stupfel M, et al. **Physiol Behav** 1980 Sep;25(3):439–47

Interindividual factors in respiratory behavior and longevity in OF1 mice. Stupfel M, et al. **Physiol Behav** 1981 Mar; 26(3):517–24

31st annual fall meeting, the American Physiological Society, October 12–17, 1980, Toronto, Canada. Abstracts. **Physiologist** 1980 Aug;23(4):1–194

Relations between respiratory and circulatory control during gravitational load in man. Waurick S. **Physiologist** 1980 Dec;23(Suppl 6):S108–10

Symposium: respiration in birds. Respiration in birds. **Poult Sci** 1980 Dec;59(12):2641–2805

Respiratory gas exchange and control in the chicken. Burger RE. **Poult Sci** 1980 Dec;59(12):2654–65 (18 ref.)

Desaturation of exhaled air in camels. Schmidt-Nielsen K, et al. **Proc R Soc Lond [Biol]** 1981 Mar 11;211(1184):305–19

Respiratory water loss in camels. Schmidt-Nielsen K, et al. **Proc R Soc Lond [Biol]** 1981 Mar 11;211(1184):291–303

Evidence for the cerebral origin of the R-wave in the pig. Diekmann V, et al. **Prog Brain Res** 1980;54:103–8

Respiratory modulation by vagal afferents in pigs. Clement MG, et al. **Q J Exp Physiol** 1981 Jul;66(3):263–72

The short-latency respiratory response to sudden withdrawal of hypercapnia and hypoxia in man. Drysdale DB, et al. **Q J Exp Physiol** 1981 Jul;66(3):203–10

Breath hydrogen (H2) and methane (CH4) excretion patterns in normal man and in clinical practice. Tadesse K, et al. **Q J Exp Physiol** 1980 Apr;65(2):85–97

Design of the mammalian respiratory system. **Respir Physiol** 1981 Apr;44(1):1–164

Specific airways conductance in guinea pigs: normal values and histamine induced fall. Agrawal KP. **Respir Physiol** 1981 Jan;43(1):23–30

Discharge of intrapulmonary chemoreceptors and its modulation by rapid F1CO2 changes in decerebrate ducks. Berger PJ, et al. **Respir Physiol** 1980 Nov;42(2):123–30

Depression of ventilation by dopamine in goats--effects of carotid body excision. Bisgard GE, et al. **Respir Physiol** 1980 Jun;40(3):379–92

Carotid chemoreceptor function in ventilatory and circulatory O2 convection of exercising dogs at low and high altitude. Bouverot P, et al. **Respir Physiol** 1981 Feb; 43(2):147–67

Decay of inspiratory muscle activity and breath timing in man. Citterio G, et al. **Respir Physiol** 1981 Feb;43(2):117–32

Partial airway occlusion during sleep and waking in the dog. Demesquita S, et al. **Respir Physiol** 1981 Jan;43(1):77–88

Single-exhalation method for study of lobar and segmental lung function by mass spectrometry in man. Denison DM, et al. **Respir Physiol** 1980 Nov;42(2):87–99

Comparison of lung diffusing capacity during rebreathing and during slow exhalation. Felton C, et al. **Respir Physiol** 1981 Jan;43(1):13–22

Pattern of breathing and mouth occlusion pressure during acclimatization to high altitude. Gautier H, et al. **Respir Physiol** 1980 Jun;40(3):365–77

Ventilatory response to inhaled and infused CO2: relationship to the oscillating signal. Grant BJ, et al. **Respir Physiol** 1981 Jun;44(3):365–80

Entrainment of breathing rate to movement frequency during work at two intensities. Jasinskas CL, et al. **Respir Physiol** 1980 Dec;42(3):199–209

Effect of lower body negative pressure release on hyperpnea induced by inhaled gas. Loeppky JA, et al. **Respir Physiol** 1980 Sep;41(3):349–65

Control of breathing during acute hemorrhage in anesthetized cats. Miserocchi G, et al. **Respir Physiol** 1980 Sep; 41(3):289–305

Acid-base balance and temperature in a predominantly skin-breathing salamander, Cryptobranchus alleganiensis. Moalli R, et al. **Respir Physiol** 1981 Jan;43(1):1–11

Brain and cerebrospinal fluid ionic composition and ventilation in acute hypercapnia. Nattie EE. **Respir Physiol** 1980 Jun;40(3):309–22

The switching point from nasal to oronasal breathing. Niinimaa V, et al. **Respir Physiol** 1980 Oct;42(1):61–71

Oronasal distribution of respiratory airflow. Niinimaa V, et al. **Respir Physiol** 1981 Jan;43(1):69–75

Airway anesthesia and respiratory response to methylcholine induced bronchoconstriction. Savoy J, et al. **Respir Physiol** 1981 Jan;43(1):59–68

The effect of thoracic vibration on ventilation and breath-holding in man. Sempik A, et al. **Respir Physiol** 1981 Jun;44(3):381–91

Time course of intercostal afferent termination of the inspiratory process. Speck DF, et al. **Respir Physiol** 1981 Feb;43(2):133–45

Distribution of ventilation in the turtle Pseudemys scripta. Spragg RG, et al. **Respir Physiol** 1980 Oct;42(1):73–87

The quantification of respiratory sensations by normal subjects. Stubbing DG, et al. **Respir Physiol** 1981 May; 44(2):251–60

Design of the mammalian respiratory system. I. Problem and strategy. Taylor CR, et al. **Respir Physiol** 1981 Apr; 44(1):1–10

Incomplete gas mixing in air sacs of the duck. Torre-Bueno JR, et al. **Respir Physiol** 1980 Nov;42(2):109–22

The dynamic effect of PETCO, on vertebral bloodflow in cats. Vis A, et al. **Respir Physiol** 1980 Nov;42(2):131–43

Design of the mammalian respiratory system. IX. Functional and structural limits for oxygen flow. Weibel ER, et al. **Respir Physiol** 1981 Apr;44(1):151–64

Predicted gas exchange on the summit of Mt. Everest. West JB, et al. **Respir Physiol** 1980 Oct;42(1):1–16

Blood acid-base regulation during environmental hyperoxia in the rainbow trout (Salmo gairdneri). Wood CM, et al. **Respir Physiol** 1980 Dec;42(3):351–72

Ventilatory and pressor response to isometric exercise in normal subjects. Bosisio E, et al. **Respiration** 1980; 40(6):337–43

On-line computation of dead space and nitrogen clearance curve. Bres M. **Respiration** 1980;39(4):213–8

Effect of body position and of respiratory frequency on distribution of pulmonary ventilation and perfusion in dogs. Derks CM. **Respiration** 1980;40(5):250–5

Respiratory load compensation in uremia. Heinzmann HG, et al. **Respiration** 1981;41(1):8–16

Measurement of respiratory mechanics with forced oscillations. Comparison of two methods (Siregnost FD 5 versus a pseudorandom noise technique). Holle JP, et al. **Respiration** 1981;41(2):119–27

Functional evaluation of the transplanted lung after long-term preservation. Hoyer J, et al. **Respiration** 1980; 39(6):323–32

Mechanism of controlling residual volume and emptying rate of the lung in young and elderly healthy subjects. Islam MS. **Respiration** 1980;40(1):1–8

Hyperpnea: the common stimulus for bronchospasm in asthma during exercise and voluntary isocapnic hyperpnea. Kivity S, et al. **Respiration** 1980;40(4):169–77

Analysis of nitrogen multibreath washout curves through a statistical approach. Lamedica G, et al. **Respiration** 1980; 39(6):333–43

Occlusion pressure-response in patients with chronic obstructive lung disease. Meili U, et al. **Respiration** 1980; 40(1):22–30

Respiratory chemosensitivity evaluated by respiratory drive and breath holding. Patakas D, et al. **Respiration** 1980; 40(5):256–63

Mechanics of breathing during prolonged artificial ventilation. Popova LM, et al. **Resuscitation** 1980 Mar; 8(1):29–41

The efficiency of various humidifiers for respired gas. Tontschev G, et al. **Resuscitation** 1980 Sep;8(3):167–79

Central chemosensitivity: a respiratory drive. Schlaefke ME. **Rev Physiol Biochem Pharmacol** 1981;90:171–244 (656 ref.)

Exercise hyperpnea and locomotion: parallel activation from the hypothalamus. Eldridge FL, et al. **Science** 1981 Feb 20;211(4484):844–6

Three-dimensional imaging of heart, lungs, and circulation. Ritman EL, et al. **Science** 1980 Oct 17;210(4467):273–80

Scintigraphic evaluation of regional pulmonary ventilation. Alderson PO, et al. **Semin Nucl Med** 1980 Jul;10(3):218–42 (84 ref.)

Fetal breathing movements. **Semin Perinatol** 1980 Oct; 4(4):249–318

Ultradian rhythms in the human fetus during the last ten weeks of gestation: a review. Campbell K. **Semin Perinatol** 1980 Oct;4(4):301–9 (22 ref.)

Advanced methods for measurement of fetal breathing movements in the human fetus. Cousin AJ. **Semin Perinatol** 1980 Oct;4(4):261–8 (17 ref.)

Human fetal breathing monitoring--clinical considerations. Manning FA, et al. **Semin Perinatol** 1980 Oct;4(4):311–8 (21 ref.)

The measurement of fetal breathing movements with A-scan and Doppler techniques. Mantell CD. **Semin Perinatol** 1980 Oct;4(4):269–74 (26 ref.)

Maternal plasma glucose concentration and fetal breathing movements: a review. Natale R. **Semin Perinatol** 1980 Oct; 4(4):287–93 (36 ref.)

Measurement of human fetal breathing movements in healthy pregnancies using a real-time scanner. Patrick J, et al. **Semin Perinatol** 1980 Oct;4(4):275–86 (36 ref.)

The fetal response to changes in the composition of maternal inspired air in human pregnancy. Ritchie K. **Semin Perinatol** 1980 Oct;4(4):295–9 (23 ref.)

The control of breathing during sleep. Sydney, New South Wales, Australia, March 1--3, 1980. **Sleep** 1980; 3(3–4):221–464

Waking and ventilatory responses during sleep in infants near-miss for sudden infant death syndrome. Ariagno R, et al. **Sleep** 1980;3(3–4):351–9

Lung mechanics and gas exchange during sleep. Bryan AC, et al. **Sleep** 1980;3(3–4):401–6

Nervous control of breathing during postnatal development in the kitten. Duron B, et al. **Sleep** 1980;3(3–4):323–30

State-related and developmental changes in laryngeal function. Harding R. **Sleep** 1980;3(3–4):307–22

'Fetal breathing' and the development of patterns of respiration before birth. Maloney JE, et al. **Sleep** 1980; 3(3–4):299–306

Respiratory functions of the laryngeal muscle during sleep. Megirian D, et al. **Sleep** 1980;3(3–4):289–98

The nature of respiratory changes associated with sleep onset. Naifeh KH, et al. **Sleep** 1981;4(1):49–59

Respiratory activity and sleep--wakefulness in the deafferented, paralyzed cat. Netick A, et al. **Sleep** 1980; 3(1):1–12

Neuronal mechanisms of respiration in REM sleep. Orem J. **Sleep** 1980;3(3–4):251–67

Respiratory effects of preoptic-anterior hypothalamic electrical stimulation during sleep in cats. Parmeggiani PL, et al. **Sleep** 1981;4(1):71–82

The influence of sleep fragmentation on arousal and ventilatory responses to respiratory stimuli. Phillipson EA, et al. **Sleep** 1980;3(3–4):281–8

Brief apneas and reliable assessment of respiratory instability. Waite SP, et al. **Sleep** 1981;4(1):61–9

Christmas bow pins: a potential inhaled foreign body made safer by industrial modifications. Siegel LG, et al. **South Med J** 1981 Jan;74(1):17–20

Monitoring of respiratory function in critical care patients. Gallagher TJ, et al. **Surg Clin North Am** 1980 Dec; 60(6):1437–46

The relationship between respiration, pressure and flow distribution in the vena cava and portal and hepatic veins. Rabinovici N, et al. **Surg Gynecol Obstet** 1980 Dec; 151(6):753–63

Effects of oxygen toxicity on regional ventilation and perfusion in the primate lung. Moran JF, et al. **Surgery** 1981 May;89(5):575–81

Pattern of carbon dioxide stimulated breathing in patients with chronic airway obstruction. Garrard CS, et al. **Thorax** 1981 Feb;36(2):130–4

Use of a single pair of magnetometer coils to monitor breathing patterns in an intensive care unit. Rees PJ, et al. **Thorax** 1980 May;35(5):384–8

Cardiac and respiratory responses to exercise in adolescent idiopathic scoliosis. Sheerson JM. **Thorax** 1980 May; 35(5):347–50

Inhaling habits among smokers of different types of cigarette. Wald NJ, et al. **Thorax** 1980 Dec;35(12):925–8

Computer simulation of exercise hyperpnea. Arita H, et al. **Tokai J Exp Clin Med** 1980 Apr;5(2):155–63

Simultaneous measurements of shifts of the center of gravity

caused by ventilation and cardiac motions towards three body axes. Ohta Y, et al. **Tokai J Exp Clin Med** 1980 Jul; 5(3):269–78

Instrumentation for measuring cardiac output by direct Fick method during liquid ventilation. Sivieri EM, et al. **Undersea Biomed Res** 1981 Jun;8(2):75–83

[Aspiration during general anesthesia: analysis of 12 cases (author's transl)] Zhang BJ. **Chung Hua Wai Ko Tsa Chih** 1979;17(6):413–5 **(Chi)**

[Application of gas chromatography to respiratory and blood gas analysis (author's transl)] Zhang LF. **Sheng Li Ko Hsueh Chin Chan** 1980 Apr;11(4):371–5 **(Chi)**

[Treatment room air temperature and its effects on spiroergometric test results (author's transl)] Přibil M, et al. **Cas Lek Cesk** 1981 Feb 26;120(8):215–8 (Eng. Abstr.) **(Cze)**

[A comparison of the relation of ventilation to respiratory frequency in humans and dogs using the theory of similarity] Dvořák J, et al. **Cesk Fysiol** 1981 May; 30(3):229–32 **(Cze)**

[Respiratory functions in the experimental Wistar SPF rat] Halík J, et al. **Cesk Fysiol** 1980 Sep;29(5):433–9 **(Cze)**

[Respiration and epilepsy thresholds. Reflex influence of brain respiratory activity] Servít Z. **Cesk Fysiol** 1980 Sep; 29(5):387–402 **(Cze)**

[Use of the flexible bronchoscope in the collection of expired gases and their analysis with the mass spectrograph] Uchytil B, et al. **Cesk Otolaryngol** 1981 Jan;30(1):32–6 (Eng. Abstr.) **(Cze)**

[Tongue function in the rehabilitation of speech disorders, faulty breathing habits and deglutition disorders] Damsté PH. **Acta Otorhinolaryngol Belg** 1980;34(6):630–45 (Eng. Abstr.) **(Dut)**

[Measurement of cardiac output by electrical impedance plethysmography during respiration and in apnea] Tanguy RL, et al. **Ann Anesthesiol Fr** 1980;21(5):567–71 (Eng. Abstr.) **(Fre)**

[Laboratory diagnosis of hyaline membrane disease and amniotic fluid inhalation. A study of 100 neonates with respiratory distress] Dehan M, et al. **Arch Fr Pediatr** 1979 Nov;36(9):886–93 (Eng. Abstr.) **(Fre)**

[Assessment of respiratory control in hypercapnic patients (author's transl)] Murciano D, et al. **Bull Eur Physiopathol Respir** 1979;15 Suppl:233–43 (23 ref.) (Eng. Abstr.) **(Fre)**

[Penetration of tagged pollen grains in the human bronchial tree (author's transl)] Soler M, et al. **Bull Eur Physiopathol Respir** 1980;16(2):127–34 **(Fre)**

[Regional lung function changes during abdominal breathing at low frequency and large tidal volume (author's transl)] Vandevenne A, et al. **Bull Eur Physiopathol Respir** 1980; 16(2):171–84 (Eng. Abstr.) **(Fre)**

[Influence of sequential breath-holding on the slope of phase III (author's transl)] Bélanger J, et al. **Bull Physiopathol Respir (Nancy)** 1981 Jan–Feb;17(1):65–74 (Eng. Abstr.) **(Fre)**

[Demonstration of generators of the locomotor and respiration rhythms in the cervico-thoracic spinal cord of rabbits] Viala D, et al. **C R Acad Sci [D] (Paris)** 1980 Oct 13;291(6):573–6 (Eng. Abstr.) **(Fre)**

[Independence of hyperlactacidemia and hyperventilation threshold work-load exercise in man] Scheen A, et al. **C R Soc Biol (Paris)** 1980;174(6):977–82 (Eng. Abstr.) **(Fre)**

[Acute respiratory failure: comparison of spontaneous ventilation with continuous positive airway pressure (CPAP) and mechanical ventilation with positive and expiratory pressure (CPPV) in 6 cases (author's transl)] Simonneau G, et al. **Nouv Presse Med** 1979 Jan 13; 8(2):113–5 (Eng. Abstr.) **(Fre)**

[The mandible: an element of the respiratory structure or the morphogenic effect of ventilation mechanics on the mandible] Talmant J. **Orthod Fr** 1979;50:671–81 (Eng. Abstr.) **(Fre)**

[Respiratory function profile in scleroderma. 20 cases (author's transl)] Kleisbauer JP, et al. **Poumon Coeur** 1980; 36(6):371–6 (Eng. Abstr.) **(Fre)**

[Respiratory changes during sleep in healthy elderly subjects (author's transl)] Krieger J, et al. **Rev Electroencephalogr Neurophysiol Clin** 1980 Apr–Jun; 10(2):177–85 (Eng. Abstr.) **(Fre)**

[Tests concerning aeration or ventilation modalities of voluminous emphysematous bullae (author's transl)] Brune J, et al. **Rev Fr Mal Respir** 1980;8(2):144–6 (Eng. Abstr.) **(Fre)**

[Exploration of regional function with the aid of Xenon 133 in emphysema with bullae: pre- and postoperative study] Moyses B, et al. **Rev Fr Mal Respir** 1980;8(2):143 **(Fre)**

[Diagnosis of phrenic and diaphragmatic disorders (author's transl)] Estenne M, et al. **Rev Med Brux** 1981 Feb; 2(2):101–5 (Eng. Abstr.) **(Fre)**

[Regulation of ventilation according to systems theory] Lagneaux D, et al. **Rev Med Liege** 1980 Feb 1;35(3):77–84 **(Fre)**

[Pentazocin/etomidate, an intravenous anaesthesia under spontaneous breathing of room air (author's transl)] Hoffmann P, et al. **Anaesth Intensivther Notfallmed** 1980 Jun;15(3):228–36 (Eng. Abstr.) **(Ger)**

[A comparison of airway resistance in oral–endotracheal tubes, tracheotomy tubes and in normal noses (author's transl)] Enzmann H, et al. **Arch Otorhinolaryngol** 1980; 226(1–2):115–22 (Eng. Abstr.) **(Ger)**

[The relation between blood pressure and pulse and respiration rate in the borderline between orthostatic hypotension and normal regulation (author's transl)] Weckenmann M. **Basic Res Cardiol** 1981 Mar–Apr; 76(2):211–23 (Eng. Abstr.) **(Ger)**

[Aspiration accidents in dental practice] Overdiek HF, et al. **Dtsch Zahnaerztl Z** 1980 Feb;35(2):217–9 (Eng. Abstr.) **(Ger)**

[Measurement of nasal resistance using the oscillation method (author's transl)] Berdel D, et al. **Laryngol Rhinol Otol (Stuttg)** 1980 Sep;59(9):575–80 (Eng. Abstr.) **(Ger)**

[On the relationship between the frequency of pulse and respiration in children (author's transl)] Breithaupt H, et al. **Monatsschr Kinderheilkd** 1980 Jun;128(6):405–11 (Eng. Abstr.) **(Ger)**

[Visceral diabetic polyneuropathy – quantitative determination of respiratory cardiac arrhythmia] Reichel G, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Apr; 33(4):210–7 (Eng. Abstr.) **(Ger)**

[A method for respiratory correction of hepatoszintigrams (author's transl)] Car'kov SA, et al. **Radiobiol Radiother (Berl)** 1981;22(1):113–20 **(Ger)**

[The radiological diagnosis of the respiratory function for extrathoracic types of lymphogranulomatosis (author's transl)] Amosov IS, et al. **Radiol Diagn (Berl)** 1980; 21(5):665–72 (Eng. Abstr.) **(Ger)**

[Experimental studies on cardiopulmonary relation under hypoxia, hypercapnia and airway obstruction in dog (author's transl)] Kowalski J, et al. **Respiration** 1980; 40(4):178–93 (Eng. Abstr.) **(Ger)**

[Lung function after thoracic injury--an aid for indication for an early decortication (author's transl)] Seidl W, et al. **Unfallchirurgie** 1980;6(1):44–8 **(Ger)**

[Experiences with the use of the VEB Junkalor Dessau 'Spirolyt II' performance testing apparatus for short term measurement of oxygen consumption and carbon dioxide production in experimental animals for the calculation of heat production] Hoffmann L, et al. **Z Med Lab Diagn** 1980;21(4):232–7 (Eng. Abstr.) **(Ger)**

[Effect of light sources of different spectral composition on the achievement of mental work and selected physiological functions] Klotzbücher E, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1980;30(7):241–8 (Eng. Abstr.) **(Ger)**

[Cardiorespirographical monitoring in neonatal pre- and postoperative care (author's transl)] Bennek J. **Zentralbl Chir** 1980;105(11):698–704 (Eng. Abstr.) **(Ger)**

[The relationship between haemodynamics and oxygen consumption of the organism of hypertensive patients of advanced age.] Tokar AV, et al. **ZFA (Dresden)** 1980; 35(1):67–77 (Eng. Abstr.) **(Ger)**

[Synchronized registration of the respiration curve and the standard II. ECG lead on a 3-channel set] Schmidt J, et al. **Orv Hetil** 1980 Nov 23;121(47):2889–90 **(Hun)**

[Thermal tachypnea in pigs] Clement MG, et al. **Boll Soc Ital Biol Sper** 1979 Oct 15;55(19):1935–40 (Eng. Abstr.) **(Ita)**

[Respiratory work in panting in swine] Clement MG, et al. **Boll Soc Ital Biol Sper** 1979 Oct 15;55(19):1941–5 (Eng. Abstr.) **(Ita)**

[Behavior of VO2 during exercise in ischemic cardiopathy and validity of the determination of VO2 with indirect methods] Nazzari E, et al. **Boll Soc Ital Cardiol** 1978; 23(6):1062–8 **(Ita)**

[Effect of pulmonary reventilation on gas exchange after cryolytic removal of obstruction in endobronchial tumors] Coda G, et al. **Minerva Med** 1981 Jun 23;72(25):1627–31 (Eng. Abstr.) **(Ita)**

[Results of electromyography of the perineum of women in labor prepared and unprepared by the respiratory autogenic training method] Palla GP, et al. **Minerva Med** 1981 May 12;72(19):1197–200 (Eng. Abstr.) **(Ita)**

[Removal of endobronchial foreign bodies by respiratory physiotherapy] Bardini R, et al. **Torace** 1977 Dec; 20(1–4):10–4 **(Ita)**

[Human fetal breathing movements: basic analysis and clinical relationship to fetal well-being (author's transl)] Higuchi M, et al. **Acta Obstet Gynaecol Jpn** 1981 May;33(5):597–606 (Eng. Abstr.) **(Jpn)**

[Alveolar septal changes in idiopathic pulmonary fibrosis (author's transl)] Honma Y, et al. **Hokkaido Igaku Zasshi** 1980 Mar;55(2):105–18 (Eng. Abstr.) **(Jpn)**

[Echocardiographic findings of pulsus paradoxus: cardiovascular changes due to respiration (author's transl)] Anno Y, et al. **J Cardiogr** 1981 Mar;11(1):147–60 (Eng. Abstr.) **(Jpn)**

[Effects of Paco2 on inspiratory activity during cough reflex (author's transl)] Nishino T, et al. **Kokyu To Junkan** 1981 Feb;29(2):173–6 (Eng. Abstr.) **(Jpn)**

[Respiratory dysfunction in bronchial asthma] Sasaki T. **Kokyu To Junkan** 1980 Jun;28(6):615–20 **(Jpn)**

[Effects of spontaneous respiration on echocardiographic measurement of the right ventricular dimension (author's transl)] Sawayama T, et al. **Kokyu To Junkan** 1981 Jan; 29(1):75–8 (Eng. Abstr.) **(Jpn)**

[Studies of the pulmonary function with radioisotopes (author's transl)] Sugihara M, et al. **Kokyu To Junkan** 1981 Feb;29(2):120–9 (95 ref.) **(Jpn)**

[Continuous measurement of respiratory resistance in exercise test (author's transl)] Suzuki S, et al. **Kokyu To Junkan** 1981 Jan;29(1):29–38 **(Jpn)**

[Ventilatory control during exercise in chronic pulmonary emphysema (author's transl)] Yamamoto H, et al. **Kokyu To Junkan** 1981 Jan;29(1):39–49 **(Jpn)**

[Acute hypotension and its effect on respiration (author's transl)] Nishino T, et al. **Masui** 1980 Jul;29(7):665–70 (Eng. Abstr.) **(Jpn)**

[An experimental and clinical study of circulatory and respiratory functions under simple deep hypothermia by total spinal anesthesia (author's transl)] Nishio S. **Masui** 1980 Sep;29(9):899–915 (Eng. Abstr.) **(Jpn)**

[Successful pulmonary gas exchange using a loudspeaker-ventilator (author's transl)] Suwa K, et al. **Masui** 1981 Jan;30(1):9–13 (Eng. Abstr.) **(Jpn)**

[A pathophysiological evaluation of pressure waves during ICP monitoring (author's transl)] Kuchiwaki H, et al. **Neurol Med Chir (Tokyo)** 1980 Jun;20(6):555–62 (Eng. Abstr.) **(Jpn)**

[Clinical significance of respiratory index for respiratory care following open-heart surgery in infants (author's transl)] Kikuchi C, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Jan;29(1):1–7 (Eng. Abstr.) **(Jpn)**

[Effect of reinflation of chronic atelectatic lung (author's transl)] Miki H. **Nippon Kyobu Geka Gakkai Zasshi** 1980 Jun;28(6):959–71 (Eng. Abstr.) **(Jpn)**

[Pulmonary fibrosis (author's transl)] Arita K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Oct; 18(10):696–704 (Eng. Abstr.) **(Jpn)**

[Exercise test in elderly subjects (author's transl)] Fukuchi Y. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Oct; 18(10):686–95 (Eng. Abstr.) **(Jpn)**

[Genetic studies on respiratory functions by twin method (author's transl)] Kawakami Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 May; 18(5):339–45 (Eng. Abstr.) **(Jpn)**

[Effect of background gases and breathing patterns on steady state CO uptake (author's transl)] Nagashima T. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Jun;18(6):402–9 (Eng. Abstr.) **(Jpn)**

[Ventilatory responses to exercise in the athlete and healthy subjects (author's transl)] Yoshida M, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Oct; 18(10):675–85 (Eng. Abstr.) **(Jpn)**

[Respiratory functions of the aged: effect of aging and evaluation among the aged] Shiraishi T, et al. **Nippon Rinsho** 1981 Mar;39(3):553–9 **(Jpn)**

[Aging and cardiorespiratory function (author's transl)] Ozawa T, et al. **Nippon Ronen Igakkai Zasshi** 1980 May; 17(3):230–3 **(Jpn)**

[Studies on the measurement of fetal breathing movement by the impedance method (author's transl)] Utsu M. **Nippon Sanka Fujinka Gakkai Zasshi** 1981 Jan;33(1):87–96 (Eng. Abstr.) **(Jpn)**

[The function of respiratory movements in speech: an analysis of abdominal movements and speech utility (author's transl)] Araragi K. **Shinrigaku Kenkyu** 1980 Jun;51(2):63–8 (Eng. Abstr.) **(Jpn)**

[Post-exertion respiration in girls with idiopathic scoliosis] Kuczewski Z. **Chir Narzadow Ruchu Ortop Pol** 1980; 45(4):357–60 (Eng. Abstr.) **(Pol)**

[Management of pregnancy and labor in women with neutral goiter limiting their respiratory capacity] Pisarek-Miedzińska D, et al. **Ginekol Pol** 1981 Jan; 52(2):149–52 (Eng. Abstr.) **(Pol)**

[Circulatory and respiratory system functions in newborn infants according to bioelectrical monitoring] Twarowska I, et al. **Ginekol Pol** 1980 Sep;51(9):845–50 (Eng. Abstr.) **(Pol)**

[Respiratory parameters in children with different forms of pulmonary tuberculosis] Biranski H, et al. **Pediatr Pol** 1981; 56(4):377–83 (Eng. Abstr.) **(Pol)**

[Respiration regulation after exercise in patients with diffuse bronchial obstruction] Maszczyk Z, et al. **Pneumonol Pol** 1980 Aug;48(8):515–24 (Eng. Abstr.) **(Pol)**

[Use of single-breath curves for the evaluation of changes in ventilatory distribution in chronic obstructive lung diseases with special reference to emphysema. I. Classification of patients with COLD based on clinical and radiological criteria] Müller J. **Pneumonol Pol** 1981; 49(4):241–51 (Eng. Abstr.) **(Pol)**

[Use of single-breath curves for the evaluation of changes in ventilatory distribution in chronic obstructive lung diseases with special reference to emphysema. II. Classification of patients with COLD based on the results of respiratory tests] Müller J. **Pneumonol Pol** 1981; 49(4):253–9 (Eng. Abstr.) **(Pol)**

[Measurement of total airway resistance by forced oscillations. Our modification of the method] Zóltowski M. **Pneumonol Pol** 1981;49(5):329–35 (Eng. Abstr.) **(Pol)**

[Gas exchange in the lung in hypertriglyceridemia after myocardial infarct] Frank-Piskorska A, et al. **Pol Tyg Lek** 1980 Jul 21;35(29):1089–90 (Eng. Abstr.) **(Pol)**

[Standard spirometric values of FVC,FEV1, FEF25–75%, FEF50–75% and FEF200–1200 estimated in random sample of healthy nonsmokers (author's transl)] Jędrychowski W, et al. **Przegl Lek** 1980;37(9):643–6 (Eng. Abstr.) **(Pol)**

[Maternal and fetal respiratory function against a background of prolonged peridural analgesia in labor] Lantsev EA, et

al. **Anesteziol Reanimatol** 1980 Nov-Dec;(6):49-51 (Eng. Abstr.) **(Rus)**

[Importance of chemoreceptor stimuli to the speed of switching the respiratory response to exertion on and off] Breslav IS, et al. **Biull Eksp Biol Med** 1981 May;91(5):522-5 (Eng. Abstr.) **(Rus)**

[Body's reaction to controlled hypercapnia during muscular exercise] Breslav IS, et al. **Biull Eksp Biol Med** 1980 Nov; 90(11):523-5 (Eng. Abstr.) **(Rus)**

[Effect of pulmonary artery blood pressure gas exchange in functionally heterogeneous lungs] D'iachenko AI. **Biull Eksp Biol Med** 1981 May;91(5):564-6 (Eng. Abstr.) **(Rus)**

[Possibility of supporting life by breathing oxygen after complete blood replacement with a blood substitute] Koziner VB, et al. **Biull Eksp Biol Med** 1981 Apr; 91(4):414-6 (Eng. Abstr.) **(Rus)**

[Reciprocal connections of respiratory center nuclei] Sergievskiĭ MV, et al. **Biull Eksp Biol Med** 1980 Dec; 90(12):652-4 (Eng. Abstr.) **(Rus)**

[Variability of sinus rhythm during deep respiration] Tsukerman BM, et al. **Biull Eksp Biol Med** 1980 Oct; 90(10):389-91 (Eng. Abstr.) **(Rus)**

[Phases of the nitrogen washout curve with different gas mixtures in the lungs] Vinitskaia RS. **Biull Eksp Biol Med** 1980 JUL;89(7):3-6 (Eng. Abstr.) **(Rus)**

[Study of external respiratory function in twins with different gas mixtures] Berezovskiĭ VA, et al. **Fiziol Zh** 1981 Jan-Feb;27(1):20-5 **(Rus)**

[Open method of gas exchange in small laboratory animals] Filippov MM, et al. **Fiziol Zh** 1981 Mar-Apr;27(2):240-2 **(Rus)**

[Dynamics of respiration, circulation, and oxygen regimes of the human body upon exposure to a breathing medium of increased density combined with hyperoxia] Guliar SA. **Fiziol Zh** 1980 Nov-Dec;26(6):823-9 (Eng. Abstr.) **(Rus)**

[Extracapillary oxygenation of blood in the lungs] Dvoretskiĭ DP. **Fiziol Zh SSSR** 1980 Oct;66(10):1522-30 (Eng. Abstr.) **(Rus)**

[Trace processes in the circulatory system of rats during prolonged adaptation to hypoxia] Khitrov NK, et al. **Fiziol Zh SSSR** 1981 Feb;67(2):325-9 **(Rus)**

[Effect of pharmacologic destruction of monoaminergic hypothalamic structures on body temperature and gas exchange during acute cooling] Stabrovskiĭ EM, et al. **Fiziol Zh SSSR** 1980 Sep;66(9):1307-11 (Eng. Abstr.) **(Rus)**

[Method of using an improved bronchospirography tube and device for inflating the cuff in the separate recording of external respiratory lung function] Tulepov AS. **Grudn Khir** 1980 Sep-Oct;(5):79-81 **(Rus)**

[Age-related characteristics of lesser circulation the external respiration and hemodynamics of the in disseminated and diffuse peritonitis] Lutsenko SM, et al. **Klin Khir** 1981 Jan; (1):10-2 (Eng. Abstr.) **(Rus)**

[Evaluation of external respiration and gas exchange functions in obesity] Shurygin DIa, et al. **Klin Med (Mosk)** 1980 Aug;58(8):64-8 (Eng. Abstr.) **(Rus)**

[Reactions of the cosmonaut cardiorespiratory system to physical loading after protracted flights aboard the orbital station 'Salyut-6'] Beregovkin AV, et al. **Kosm Biol Aviakosm Med** 1980 Jul-Aug;14(4):8-11 (Eng. Abstr.) **(Rus)**

[Respiration during hyperbaric oxygenation] Glazkova VA, et al. **Kosm Biol Aviakosm Med** 1980 Nov-Dec;14(6):60-4 (Eng. Abstr.) **(Rus)**

[Effect of physical training on the manifestation of reactions to breathing a gas mixture containing 5% CO2 and 14% O2] Krasnikov NP. **Kosm Biol Aviakosm Med** 1981 Jun-Jul; 15(4):33-5 (Eng. Abstr.) **(Rus)**

[Effect of motor activity on aerobic performance of healthy subjects] Machinskiĭ GV. **Kosm Biol Aviakosm Med** 1981 Jan-Feb;15(1):54-6 (Eng. Abstr.) **(Rus)**

[Effect of different hygienic factors on human exhalation of acetone] Savina VP, et al. **Kosm Biol Aviakosm Med** 1980 Jul-Aug;14(4):77-80 (Eng. Abstr.) **(Rus)**

[Effect of specific volume on formation of the atmosphere of hermetically sealed objects] Savina VP, et al. **Kosm Biol Aviakosm Med** 1981 Jan-Feb;15(1):70-2 (Eng. Abstr.) **(Rus)**

[Comparative study of the state of human respiration and acid-base equilibrium following changes in the atmosphere and microclimate of hermetically-sealed chambers] Zhuravlev VV. **Kosm Biol Aviakosm Med** 1981 Jan-Feb; 15(1):90-2 **(Rus)**

[External respiration and gas exchange in newborn infants during feeding] Iaroslavskiĭ VK. **Pediatriia** 1981 Feb; (2):36-8 (Eng. Abstr.) **(Rus)**

[Evaluation of the functional state of the cardiorespiratory system in children with chronic pneumonia using a measured physical load] Liubchenko LN, et al. **Pediatriia** 1980 Jul;(7):18-22 (Eng. Abstr.) **(Rus)**

[Functional study of the external respiration in healthy young infants and those with pneumonia] Strongina EI, et al. **Pediatriia** 1980 Aug;(8):37-9 (Eng. Abstr.) **(Rus)**

[External respiratory function in the newborn infants of mothers with diabetes mellitus] Vasil'eva OIu, et al. **Pediatriia** 1981 Feb;(2):35-6 (Eng. Abstr.) **(Rus)**

[Respiratory function in adult patients recovering from pulmonary tuberculosis] Dmitrieva KV, et al. **Probl Tuberk** 1980 Nov;(11):29-32 (Eng. Abstr.) **(Rus)**

[Mechanical properties of the lungs in infiltrative tuberculosis during chemotherapy with or without artificial pneumothorax] Kuz'mina LV, et al. **Probl Tuberk** 1980 Nov;(11):32-4 (Eng. Abstr.) **(Rus)**

[Posthypoxic radioprotective effect in experiments on rats] Strelkov RB, et al. **Radiobiologiia** 1980 Sep-Oct;20(5):762-5 (Eng. Abstr.) **(Rus)**

[Changes in hemodynamics and external respiration in chronic nonspecific pulmonary diseases] Kazanbiev NK. **Sov Med** 1980;(7):11-6 (Eng. Abstr.) **(Rus)**

[Effect of forced inspiration and expiration on lobar rheopneumography] Agranonik GL, et al. **Ter Arkh** 1980; 52(12):64-6 (Eng. Abstr.) **(Rus)**

[Characteristics of oxygen provision of physical exertion in rehabilitation after myocardial infarct complicated by heart aneurysm] Il'iash MG, et al. **Ter Arkh** 1980;52(12):28-31 (Eng. Abstr.) **(Rus)**

[Effect of hyperbaric oxygenation on breathing rate and ventilatory indices in patients with cardiac arrythmias] Isakov IuV, et al. **Ter Arkh** 1981;53(4):31-4 (Eng. Abstr.) **(Rus)**

[Mechanism of respiration during exercise in patients with nonspecific lung pathology] Kanaev NN, et al. **Ter Arkh** 1981;53(3):96-8 (Eng. Abstr.) **(Rus)**

[Significance of the changes in pulmonary diffusing capacity and its components in evaluating initial respiratory disorders in chronic non-obstructive bronchitis] Laskin GM, et al. **Ter Arkh** 1981;53(3):91-6 (Eng. Abstr.) **(Rus)**

[External respiration, basal metabolism and acid-base equilibrium in severe suppurative infection and sepsis] Mal'chenko VE, et al. **Ter Arkh** 1981;53(2):103-6 (Eng. Abstr.) **(Rus)**

[Mechanisms regulating respiration during muscular activity] Breslav IS, et al. **Usp Fiziol Nauk** 1979 Jul-Sep; 10(3):87-103 (142 ref.) **(Rus)**

[Characteristics of gas exchange and correction of its disorders in elderly patients with peritonitis in the early postoperative period] Chepkiĭ LP, et al. **Vestn Khir** 1981 Jun;126(6):62-6 **(Rus)**

[Oxygen diffusion in the lungs in cases of severe trauma] Kustov NA, et al. **Vestn Khir** 1981 Jun;126(6):91-3 **(Rus)**

[State of the respiratory function in closed thoracic trauma] Makarova NP, et al. **Vestn Khir** 1980 Jul;125(7):73-8 (Eng. Abstr.) **(Rus)**

[Reaction of the cardiovascular and respiratory systems to physical exertion in secondary interatrial septal defects before and after surgical treatment] Stevanovich IN, et al. **Vestn Khir** 1980 Jul;125(7):35-40 (Eng. Abstr.) **(Rus)**

[Changes in the mechanics of respiration and lung perfusion following partial lung resection] Strashov VI, et al. **Vestn Khir** 1980 Jun;124(6):14-8 (Eng. Abstr.) **(Rus)**

[Effect of health resort climate treatment on external respiratory function in patients with various hemodynamic variants of hypertension] Kovbliuk MN. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Jan-Feb;(1):31-4 (Eng. Abstr.) **(Rus)**

[Gas exchange and external respiratory function characteristics of premature infants] Iaroslavskiĭ VK. **Vopr Okhr Materin Det** 1980 Aug;25(8):7-10 (Eng. Abstr.) **(Rus)**

[Clinical importance of studying the phospholipids of the pharyngeal aspirates of newborn infants with a respiratory disorder syndrome] Vel'tishchev IuE, et al. **Vopr Okhr Materin Det** 1980 Aug;25(8):3-7 (Eng. Abstr.) **(Rus)**

[Zonal rheography of the lungs in siderosilicotuberculosis] Afonin AP. **Vrach Delo** 1981 Aug;(8):69-70 **(Rus)**

[External respiration function in adolescents with pulmonary tuberculosis] Glinskiĭ OB. **Vrach Delo** 1981;(4):33-4 (Eng. Abstr.) **(Rus)**

[Changes in external respiratory function during health resort treatment of spinal cord injuries] Gorbunov VI, et al. **Vrach Delo** 1981;(6):93-5 **(Rus)**

[Cardiorespiratory indices during physical load in elderly ischemic heart disease patients] Ivanov LA. **Vrach Delo** 1980 Oct;(10):23-6 (Eng. Abstr.) **(Rus)**

[Pulmonary circulation and external respiratory function in terminal kidney failure] Mal'kov PS, et al. **Vrach Delo** 1980 Jul;(7):70-3 (Eng. Abstr.) **(Rus)**

[Change in the functional state of external respiration and blood circulation in relation to the working conditions of workers in agricultural production] Navakatikian AO, et al. **Vrach Delo** 1980 Sep;(9):109-12 (Eng. Abstr.) **(Rus)**

[Pulmonary ventilation in tuberculosis and chronic non-specific lung diseases in patients over 50 years old] Usenko IuD, et al. **Vrach Delo** 1981 Aug;(8):76-8 **(Rus)**

[Kinin system of blood in respiratory and cardiopulmonary insufficiency in chronic bronchitis] Vizir AD, et al. **Vrach Delo** 1981 Jan;(1):41-4 (Eng. Abstr.) **(Rus)**

[Function of the right and left lung in patients with pathology of the major vessels of the brain] Gavrilova NI. **Zh Nevropatol Psikhiatr** 1980;80(11):1635-7 (Eng. Abstr.) **(Rus)**

[The significance of capnographic measurements compared to the values of other parameters in the evaluation of airway obstruction (author's transl)] Krivokapić N, et al. **Plucne Bolesti Tuberk** 1981 Jan-Mar;33(1):55-61 (Eng. Abstr.) **(Scr)**

[Some cardiorespiratory parameters and their changes during gradually increased mental strain (author's transl)] Simáček I, et al. **Cas Lek Cesk** 1980 Dec 19;119(51):1405-8 (Eng. Abstr.) **(Slo)**

[Changes in the mechanisms of respiration and cardiovascular function in bronchoconstriction caused by cigarette smoke and anaphylaxis in rabbits] Javorka K, et al. **Cesk Fysiol** 1981 May;30(3):253-4 **(Slo)**

[Use of the programmable calculator TI-59 in the evaluation of spontaneous deep breaths in the rabbit before and during bronchospasm] Luliak M, et al. **Cesk Fysiol** 1981 May; 30(3):267-9 **(Slo)**

[The effects of smoking on the respiratory and cardiovascular systems] Tomori Z. **Cesk Fysiol** 1981 May;30(3):285-6 **(Slo)**

[Fetal respiratory movements] Javorka K, et al. **Cesk Pediatr** 1980 Dec;35(12):694-7 **(Slo)**

[Sensitivity of native chest radiographs in the diagnosis of non-contrasting foreign body aspiration] Laho L, et al. **Cesk Pediatr** 1981 May;36(5):262-3 (Eng. Abstr.) **(Slo)**

[Program of respiratory and hemodynamic constants for the electronic calculator] Belda FJ, et al. **Rev Esp Anestesiol Reanim** 1981 May;28(3):115-20 (Eng. Abstr.) **(Spa)**

[Regurgitation with aspiration - identification of patients at risk and prevention] Carlsson C, et al. **Lakartidningen** 1980 Nov 5;77(45):4137-40 (Eng. Abstr.) **(Swe)**

DRUG EFFECTS

Intravenous short narcoses in geriatric patients, A comparative study of etomidate with various analgesics. Hoffmann P, et al. **Acta Anaesthesiol Belg** 1980; 31(4):249-63

Early hemodynamic and respiratory changes following tourniquet release - influence of large doses of methylprednisolone. Edfeldt H, et al. **Acta Chir Scand [Suppl]** 1980;Suppl 499:45-55

Neonatal depression after obstetrical analgesia with pethidine. The role of the injection-delivery time interval and of the plasma concentrations of pethidine and norpethidine. Belfrage P, et al. **Acta Obstet Gynecol Scand** 1981; 60(1):43-9

Effects of different monoamine oxidase inhibitors on respiratory activity in rats with chronically impaired central serotonergic function. Mueller RA, et al. **Acta Pharmacol Toxicol (Copenh)** 1980 Oct;47(4):285-93

Experimental study on cardiovascular and on respiratory properties of bromopride. Marmo E, et al. **Agressologie** 1980;21(1):49-58

Altered exercise ventilatory responses by apparent propranolol-diminished glucose metabolism: implications concerning impaired physical training benefit in coronary patients. Hossack KF, et al. **Am Heart J** 1981 Sep;102(3 Pt 1):378-82

Combined effects of ozone and nitrogen dioxide on respiratory function in man. Folinsbee LJ, et al. **Am Ind Hyg Assoc J** 1981 Jul;42(7):534-41

Human exposure to ferric sulfate aerosol: effects on pulmonary function and respiratory symptoms. Kleinman MT, et al. **Am Ind Hyg Assoc J** 1981 Apr;42(4):298-304

Intravenous aminophylline in patients with cystic fibrosis. Pharmacokinetics and effect on pulmonary function. Larsen GL, et al. **Am J Dis Child** 1980 Dec;134(12):1143-8

Effect of catecholamine on fetal breathing activity in rhesus monkeys. Murata Y, et al. **Am J Obstet Gynecol** 1981 Apr 15;139(8):942-7

Effects of synthetic glucocorticoid administration on human fetal breathing movements at 34 to 35 weeks' gestational age. Patrick J, et al. **Am J Obstet Gynecol** 1981 Feb 1; 139(3):324-8

Reflex cardiovascular response during injection of capsaicin into skeletal muscle. Crayton SC, et al. **Am J Physiol** 1981 Mar;240(3):H315-9

Guaifenesin: cardiopulmonary effects and plasma concentrations in horses. Hubbell JA, et al. **Am J Vet Res** 1980 Nov;41(11):1751-5

Effects of ketamine HCl-xylazine HCl combination on cardiovascular and pulmonary values of the rhesus macaque (Macaca mulatta). Reutlinger RA, et al. **Am J Vet Res** 1980 Sep;41(9):1453-7

Cardiopulmonary effects of butorphanol tartrate in horses. Robertson JT, et al. **Am J Vet Res** 1981 Jan;42(1):41-4

Histamine H1, H2 receptor effects on mechanics of ventilation and gas exchange in neonatal calves. Slocombe RF, et al. **Am J Vet Res** 1981 May;42(5):764-9

Effect of lidocaine on the ventilatory and airway responses to exercise in asthmatics. Enright PL, et al. **Am Rev Respir Dis** 1980 Dec;122(6):823-8

Effects of cromolyn sodium on the response to respiratory heat loss in normal subjects. Fanta CH, et al. **Am Rev Respir Dis** 1981 Feb;123(2):161-4

Endogenous opiates and chemical control of breathing in humans. Fleetham JA, et al. **Am Rev Respir Dis** 1980 Jun; 121(6):1045-9

Respiratory responses in humans repeatedly exposed to low concentrations of ozone. Folinsbee LJ, et al. **Am Rev Respir Dis** 1980 Mar;121(3):431-9

Respiratory consequences of methadone: the response to added resistance to breathing. Santiago TV, et al. **Am Rev Respir Dis** 1980 Oct;122(4):623-8

Upper and lower airway hyperreactivity in recurrent croup. Zach MS, et al. **Am Rev Respir Dis** 1980 Jun;121(6):979-83

Respiratory effects of Minaxolone. Puchihewa VG, et al.

Anaesthesia 1980 Jun;35(6):611–3
Respiratory depression of intravenous hydroxyzine in man: potency, duration, and lack of reversal by naloxone. Gabathuler ML, et al. **Anesth Analg (Cleve)** 1981 Sep; 60(9):634–7
Pulmonary function following 'pretreatment' dose of pancuronium in volunteers. Rao TL, et al. **Anesth Analg (Cleve)** 1980 Sep;59(9):659–61
Comparison of cardiopulmonary responses to graded hemorrhage during enflurane, halothane, isoflurane, and ketamine anesthesia. Weiskopf RB, et al. **Anesth Analg (Cleve)** 1981 Jul;60(7):481–91
Relationship between arterial and peak expired carbon dioxide pressure during anesthesia and factors influencing the difference. Whitesell R, et al. **Anesth Analg (Cleve)** 1981 Jul;60(7):508–12
Respiratory depression by midazolam and diazepam. Forster A, et al. **Anesthesiology** 1980 Dec;53(6):494–7
Interactions among ventilation, the circulation, and the uptake and distribution of halothane--use of a hybrid computer multiple model: II. Spontaneous vs. controlled ventilation, and the effects of CO2. Fukui Y, et al. **Anesthesiology** 1981 Feb;54(2):119–24
Respiratory depression following diazepam: reversal with high-dose naloxone. Jordan C, et al. **Anesthesiology** 1980 Oct;53(4):293–8
Cardiovascular effects of cimetidine. Kato H, et al. **Arch Int Pharmacodyn Ther** 1981 Feb;249(2):247–56
Respiratory depression produced by diazepam in cats: effect of anaesthesia. Lee MJ, et al. **Arch Int Pharmacodyn Ther** 1980 Dec;248(2):289–93
Effects of haloperidol on chemoreceptor reflex ventilatory response in the rabbit. Matsumoto S, et al. **Arch Int Pharmacodyn Ther** 1980 Oct;247(2):234–42
Assessment of the central chemosensitivity in man under transient or progressive hypercapnia. Jammes Y, et al. **Arch Int Physiol Biochim** 1980 May;88(2):177–89
Effect of a deproteinized blood extract on respiratory and haemodynamic modifications induced by hypoxia in the anaesthetized animal. Pham HC, et al. **Arzneimittelforsch** 1980;30(9):1508–10
Comparison of the respiratory effects of ICI 35 868 and thiopentone in the rabbit. Bellman MH, et al. **Br J Anaesth** 1981 Apr;53(4):425–9
Respiratory effects of a new opiate analgesic, R 39209, in the rabbit: comparison with fentanyl. Brown JH, et al. **Br J Anaesth** 1980 Nov;52(11):1101–6
Changes in the respiratory pattern induced by halothane in the cat. Nishino T, et al. **Br J Anaesth** 1980 Dec; 52(12):1191–7
Respiratory and psychological effects of oral temazepam in volunteers. Pleuvry BJ, et al. **Br J Anaesth** 1980 Sep; 52(9):901–6
Relationship of ventilatory depression to steady-state blood pethidine concentrations. Rigg JR, et al. **Br J Anaesth** 1981 Jun;53(6):613–20
Comparison of respiratory characteristics during enflurane and halothane anaesthesia. Royston D, et al. **Br J Anaesth** 1981 Apr;53(4):357–67
4-Aminopyridine reversal of fentanyl-induced respiratory depression in normocapnic and hypercapnic patients. Sia RL, et al. **Br J Anaesth** 1981 Apr;53(4):373–9
Physostigmine antagonizes morphine-induced respiratory depression but not analgesia in dogs and rabbits. Weinstock M, et al. **Br J Anaesth** 1980 Dec;52(12):1171–6
Respiratory and metabolic effects of oral nefopam in human volunteers. Bhatt AM, et al. **Br J Clin Pharmacol** 1981 Feb;11(2):209–11
beta-Adrenoceptor blockade and ventilation in man [letter] Patrick JM, et al. **Br J Clin Pharmacol** 1980 Dec; 10(6):624–5
Cardiovascular, respiratory and temperature responses to intravenous heroin (diamorphine) in dependent and non-dependent humans. Tress KH, et al. **Br J Clin Pharmacol** 1980 Nov;10(5):477–85
Blood concentrations and pharmacodynamic effects of betaxolol (SL 75212) a new beta-adrenoceptor antagonist after oral and intravenous administration. Warrington SJ, et al. **Br J Clin Pharmacol** 1980 Nov;10(5):449–52
The effect of intravenous glucose on human fetal breathing measured by Doppler ultrasound. Goodman JD. **Br J Obstet Gynaecol** 1980 Dec;87(12):1080–3
Fetal breathing movements and maternal hyperoxia. Ritchie JW, et al. **Br J Obstet Gynaecol** 1980 Dec;87(12):1084–6
Central respiratory and circulatory effects of Gymnodinium breve toxin in anaesthetized cats. Borison HL, et al. **Br J Pharmacol** 1980 Oct;70(2):249–56
Respiratory effects of analgesia after cholecystectomy: comparison of continuous and intermittent papaveretum. Catling JA, et al. **Br Med J** 1980 Aug 16;281(6238):478–80
Comparison of continuous and intermittent papaveretum after cholecystectomy [letter] Church J. **Br Med J** 1980 Oct 18;281(6247):1071
Levodopa dosage and ventilatory function in Parkinson's disease. Bateman DN, et al. **Br Med J [Clin Res]** 1981 Jul 18;283(6285):190–1
Respiratory effects of beta-endorphin, D-Ala2-met-enkephalinamide, and Met-enkephalin injected into the lateral ventricle and the pontomedullary subarachnoid space. Flórez J, et al. **Brain Res** 1980 Oct 13;199(1):197–206
Regional lung function in asthmatics in remission, before and after fenoterol. Andersen LH, et al. **Bull Eur Physiopathol Respir** 1980;16(2):215–28
Effects of influenza vaccination on pulmonary function. Dull WL, et al. **Bull Eur Physiopathol Respir** 1980 Sep–Oct; 16(5):655–61
Interaction between ammonia and CO2 as ventilatory stimulants. Herrera L, et al. **Bull Eur Physiopathol Respir** 1980 Jul–Aug;16(4):459–68
Effect of medroxyprogesterone acetate on respiratory drives and occlusion pressure. Schoene RB, et al. **Bull Eur Physiopathol Respir** 1980 Sep–Oct;16(5):645–53
Regulation of the tidal volume and ventilatory responses to CO2 in normal man and in scoliosis. Kafer ER. **Bull Physiopathol Respir (Nancy)** 1981 Jan–Feb;17(1):1–13
Studies on fentanyl-supplemented anaesthesia: effect on naloxone on the circulation and respiration. Purdell-Lewis JG. **Can Anaesth Soc J** 1980 Jul;27(4):323–30
Respiratory patterns associated with hemoglobin desaturation during sleep in chronic obstructive pulmonary disease. Arand DL, et al. **Chest** 1981 Aug;80(2):183–90
Respiratory effect of longterm exposure to two mixes of air pollutants in Los Angeles County. Detels R, et al. **Chest** 1981 Jul;80(1 Suppl):27–9
Site and duration of bronchodilation in asthmatic patients after oral administration of terbutaline. Fairshter RD, et al. **Chest** 1981 Jan;79(1):50–7
Reflex cardiovascular and respiratory effects of serotonin in conscious and anesthetized dogs. Zucker IH, et al. **Circ Res** 1980 Oct;47(4):509–15
Aggregate anaphylaxis in the monkey: attenuation of the pulmonary response by pretreatment with indomethacin. Revenäs B, et al. **Circ Shock** 1981;8(1):21–9
An analysis of the respiratory stimulant effect of physostigmine and neostigmine in the conscious rabbit. Weinstock M, et al. **Clin Exp Pharmacol Physiol** 1981 Mar-Apr;8(2):151–8
Effect of intravenous metoprolol on reversible obstructive airways disease. Abraham TA, et al. **Clin Pharmacol Ther** 1981 May;29(5):582–7
Respiratory and ventilatory effects of methadone in healthy women. Olsen GD, et al. **Clin Pharmacol Ther** 1981 Mar; 29(3):373–80
The effect of 2% CO2, 100% O2, theophylline and 15% O2 on 'inspiratory drive' and 'effective' timing in preterm infants. Rigatto H, et al. **Early Hum Dev** 1981 Feb; 5(1):63–70
Effect of ammonium nitrate aerosol on human respiratory function and symptoms. Kleinman MT, et al. **Environ Res** 1980 Apr;21(2):317–26
Altered function and histology in guinea pigs after inhalation of diesel exhaust. Wiester MJ, et al. **Environ Res** 1980 Aug; 22(2):285–97
The effects of exposure to NO or NO2 and an antigen on the breathing curve pattern in guinea pigs. Yoshida K, et al. **Environ Res** 1980 Apr;21(2):458–66
Potentiation of the morphine-induced respiratory rate depression by captopril. Oktay S, et al. **Eur J Pharmacol** 1981 Mar 26;70(3):257–62
Characterization of the respiratory activity of (D-Ala2)methionine-enkephalinamide. Zobrist RH, et al. **Eur J Pharmacol** 1981 Mar 12;70(2):121–8
Respiratory effects of amantadine and bromocriptine and their interaction with haloperidol in anesthetized rats. Padron F, et al. **Farmaco [Sci]** 1980 Jul;35(7):596–604
Detection of ozone toxicity during continuous exercise via the effective dose concept. Adams WC, et al. **J Appl Physiol** 1981 Aug;51(2):415–22
Hypercapnic stimulation of respiratory activity in unanesthetized fetal sheep in utero. Bowes G, et al. **J Appl Physiol** 1981 Apr;50(4):701–8
Regular fetal breathing induced by pilocarpine infusion in the near-term fetal lamb. Brown ER, et al. **J Appl Physiol** 1981 Jun;50(6):1348–52
Function of respiratory muscles during partial curarization in humans. de Troyer A, et al. **J Appl Physiol** 1980 Dec; 49(6):1049–56
Effect of quiet sleep on resting and CO2-stimulated breathing in humans. Gothe B, et al. **J Appl Physiol** 1981 Apr; 50(4):724–30
Effect of naloxone on ventilation in newborn rabbits. Hazinski TA, et al. **J Appl Physiol** 1981 Apr;50(4):713–7
Effect of plasma carbonic anhydrase on ventilation in exercising dogs. Lewis SM, et al. **J Appl Physiol** 1980 Oct; 49(4):708–14
Respiratory timing and depth of breathing in dogs anesthetized with halothane or enflurane. Marsh HM, et al. **J Appl Physiol** 1981 Jul;51(1):19–25
Pharmacologic study of respiratory afterdischarge. Millhorn DE, et al. **J Appl Physiol** 1981 Feb;50(2):239–44
beta-Endorphin central depression of respiration and circulation. Moss IR, et al. **J Appl Physiol** 1981 May; 50(5):1011–6
Effects of dopamine on chemoreflexes in breathing. Nishino T, et al. **J Appl Physiol** 1981 Apr;50(4):892–7
Pseudorandom testing of ventilatory response to inspired carbon dioxide in man. Sohrab S, et al. **J Appl Physiol** 1980 Dec;49(6):1000–9
Ventilation by high-frequency oscillation in rabbits with oleic acid lung disease. Wright K, et al. **J Appl Physiol** 1981 May;50(5):1056–60
Computer simulation of experiments in responses to intravenous and inhaled CO2. Yamamoto WS. **J Appl Physiol** 1981 Apr;50(4):835–43
The cardiovascular and respiratory effects of fenoterol in patients after open-heart surgery. Aggestrup S, et al. **J Cardiovasc Surg (Torino)** 1980 Jul-Aug;21(4):409–16
Respiratory depression by GABA-ergic drugs in the preterm rabbit. Hedner J, et al. **J Dev Physiol** 1980 Dec;2(6):401–7
Stimulation of breathing movements in fetal sheep by inhibitors of prostaglandin synthesis. Kitterman JA, et al. **J Dev Physiol** 1979 Dec;1(6):453–66
Ventilatory CO2 drive in the tortoise Testudo horsfieldi. Benchetrit G, et al. **J Exp Biol** 1980 Aug;87:229–36
Respiratory effects of gamma-hydroxybutyric acid in anesthetized rats. Hedner J, et al. **J Neural Transm** 1980; 49(3):179–86
Effects of angiotensin II on metabolic, respiratory and vasomotor activities as well as body temperatures in the rabbit. Lin MT. **J Neural Transm** 1980;49(3):197–204
Aminophylline may stimulate respiration in rats by activation of dopaminergic receptors. Lundberg DB, et al. **J Pharmacol Exp Ther** 1981 Apr;217(1):215–21
Alteration of aminophylline-induced respiratory stimulation by perturbation of biogenic amine systems. Mueller RA, et al. **J Pharmacol Exp Ther** 1981 Sep;218(3):593–9
The effects of methadone on respiration and ventilation in Pygmy goats. Neal RC, et al. **J Pharmacol Exp Ther** 1980 Oct;215(1):45–52
Theophylline effect upon respiration and ventilation in the dog: interaction with methadone. Olsen GD, et al. **J Pharmacol Exp Ther** 1981 May;217(2):278–84
Stimulation of pulmonary J receptors by an enkephalin-analog. Sapru HN, et al. **J Pharmacol Exp Ther** 1981 Apr;217(1):228–34
Antagonism of the cardiovascular and respiratory depressant effects of morphine in the conscious rabbit by physostigmine. Weinstock M, et al. **J Pharmacol Exp Ther** 1981 Aug;218(2):504–8
The respiratory frequency response to carbon dioxide inhalation in conscious rabbits. Maskrey M, et al. **J Physiol (Lond)** 1980 Apr;301:49–58
The effect of doxapram hydrochloride on cats anaesthetized with either Saffan or thiopentone sodium. Curtis R, et al. **J Small Anim Pract** 1981 Feb;22(2):77–83
Effects of brief and intermediate exposures to sulfate submicron aerosols and sulfate injections and cardiopulmonary function of dogs and tracheal mucous velocity of sheep. Sackner MA, et al. **J Toxicol Environ Health** 1981 Jun;7(6):951–72
Depressed respiration induced by intravenously administered dopamine in anesthetized dogs. Yasuhara H, et al. **Jpn J Pharmacol** 1980 Apr;30(2):251–5
Ventilatory response to hypercapnia by rebreathing in successive trials. Miyamura M, et al. **Jpn J Physiol** 1980; 30(6):945–53
Effect of xylazine and ketamine on blood pressure, heart rate and respiratory rate in rabbits. Sanford TD, et al. **Lab Anim Sci** 1980 Jun;30(3):519–23
Shrinking pupils as a warning of respiratory depression after spinal morphine [letter] Bahar M, et al. **Lancet** 1981 Apr 18;1(8225):893
Late respiratory depression after concomitant use of morphine epidurally and parenterally [letter] Gustafsson LL, et al. **Lancet** 1981 Apr 18;1(8225):892–3
Effects of 2-pyridine aldoxime methochloride on cerebral acetylcholinesterase activity and respiration in cats poisoned with sarin. Murtha EF, et al. **Life Sci** 1980 Nov 17;27(20):1869–73
Developmental differences between high and low affinity opiate binding sites: their relationship to analgesia and respiratory depression. Pasternak GW, et al. **Life Sci** 1980 Sep 29;27(13):1185–90
Alpha- and beta-adrenoceptor blockade does not affect ventilation during exercise in man. Fagard R, et al. **Med Sci Sports Exerc** 1980;12(5):375–9
Morphine reduces ventilation without changing metabolic rate in exercise. Martin BJ, et al. **Med Sci Sports Exerc** 1980;12(4):285–7
Tacrine-suxamethonium apnea in patients with hepatosplenic schistosomiasis. El-Hawary KA, et al. **Middle East J Anaesthesiol** 1980 Oct;5(8):523–7
Endorphins and the control of breathing. Ability of naloxone to restore flow-resistive load compensation in chronic obstructive pulmonary disease. Santiago TV, et al. **N Engl J Med** 1981 May 14;304(20):1190–5
Effects of intracerebroventricular injection of clonidine on metabolic, respiratory, vasomotor and temperature responses in the rabbit. Lin MT, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Jan; 315(3):195–201
Role of monoaminergic systems in morphine-induced respiratory depression. Meldrum MJ, et al. **Neuropharmacology** 1981 Feb;20(2):169–75
Dopamine-induced ventilatory depression in the rat, mediated by carotid nerve afferents. Cardenas H, et al. **Neurosci Lett** 1981 Jun 12;24(1):29–33
Hemodynamics and resting pulmonary gas exchange; effects of nitroglycerin ointment in patients with cardiomyopathy. Gould L, et al. **NY State J Med** 1980 Sep;80(10):1549–52
Stimulatory effect of theophylline on regulation of fetal breathing movements. Moss IR, et al. **Pediatr Res** 1981 May;15(5):870–3
The involvement of expiratory termination in the vagally mediated facilitation of ventilatory CO2 responsiveness

during hyperoxia. Kiwull-Schöne H, et al. **Pfluegers Arch** 1981 Apr;390(1):63–9

Stretch receptor activity during irritant-induced tachypnoea in the rabbit. Kohl J, et al. **Pfluegers Arch** 1980 Aug; 386(3):231–7

Evidence that respiratory depression by serotonin agonists may be exerted in the central nervous system. Mueller RA, et al. **Pharmacol Biochem Behav** 1980 Aug;13(2):247–55

Hemodynamic and respiratory effects of 18,19,20 trinor-17 cyclohexyl -13,14 dehydro PGF2alpha methyl ester. Chiara O, et al. **Pharmacol Res Commun** 1981 Jan; 13(1):23–35

Effects of methacholine and acetylcholine on metabolic, respiratory, vasomotor and body temperature responses in rabbits. Chen FF, et al. **Pharmacology** 1980;21(5):333–41

Respiration during hyperthermia in the chicken as influenced by an increase in inhaled CO2. Barnas GM, et al. **Poult Sci** 1980 Feb;59(2):468–9

Cardiovascular responses to 6-keto-prostaglandin E1 in the dogs. Van Dam J, et al. **Proc Soc Exp Biol Med** 1981 Jan; 166(1):76–9

Analysis of hemodynamic and respiratory effects of PGI2 in the pig. Clement MG, et al. **Prostaglandins Med** 1980 Nov;5(5):323–35

Role of hypotension induced by PGI2 on the control of depth and frequency of breathing. Clement MG, et al. **Prostaglandins Med** 1980 Dec;5(6):415–23

Indomethacin inhibition of intralipid-induced lung dysfunction. Inwood RJ, et al. **Prostaglandins Med** 1981 May;6(5):503–14

Mechanisms of hyperpnea induced by isoproterenol. Eldridge FL, et al. **Respir Physiol** 1980 Jun;40(3):349–63

Ventilatory effects of naloxone and morphine in the developing opossum. Farber JP, et al. **Respir Physiol** 1980 Sep;41(3):279–87

Respiratory and hemodynamic effects of methadone in pregnant women. Metcalfe J, et al. **Respir Physiol** 1980 Dec;42(3):383–93

Prolonged stimulation of respiration by endogenous central serotonin. Millhorn DE, et al. **Respir Physiol** 1980 Dec; 42(3):171–88

Hemodynamic and ventilatory effects of intravenous salbutamol in patients affected by cold. Iodice F, et al. **Respiration** 1980;40(5):272–7

Pulmonary gas exchange after propranolol in patients with ischaemic heart disease. Jebavý P, et al. **Respiration** 1980; 40(1):38–46

Effect of neuromuscular blockade and assisted ventilation on breathing pattern, ventilation, and respiratory muscle function of anesthetized dogs. Mohsenifar Z, et al. **Respiration** 1980;39(5):256–63

The effect of cytidine diphosphate choline on in vivo lung mechanics in premature newborn rabbits. Lachmann B, et al. **Resuscitation** 1980 Mar;8(1):43–52

Comparison of the bronchodilating action and of the tolerance of fenoterol and isoproterenol aerosols. Sasaki T, et al. **Rev Inst Hyg Mines (Hasselt)** 1979;34(3):124–33

Effects of duration at altitude and acetazolamide on ventilation and oxygenation during sleep. Sutton JR, et al. **Sleep** 1980;3(3–4):455–64

Effect of intravenously administered fluid on hemodynamic change and respiratory function in extensive thermal injury. Yoshioka T, et al. **Surg Gynecol Obstet** 1980 Oct; 151(4):503–7

Relationship between waking and sleeping ventilatory responses to carbon dioxide. Gothe B, et al. **Trans Assoc Am Physicians** 1980;93:283–8

[Experimental research on the effects of resibufo-genin and neostigmine on the respiratory depression caused by anabasine (author's transl)] Xue KX. **Yao Hsueh Hsueh Pao** 1979 Dec;14(12):738–41 (Eng. Abstr.) **(Chi)**

[Analysis and criticism of hemodynamic investigations during respiratory analeptic dispensing (author's transl)] Daijardin JB, et al. **Anesth Analg (Paris)** 1980;37(9–10):557–60 (Eng. Abstr.) **(Fre)**

[Competitive study of the effects of naloxone and of almitrine on fentanyl analgesia in the anesthetized dog: effects on the muzzle opening reflex and blood gases] Dauthier C, et al. **Ann Anesthesiol Fr** 1980;21(4):421–30 (Eng. Abstr.) **(Fre)**

[Ventilatory effects of various respiratory stimulants in awake cats (author's transl)] Gautier H, et al. **Bull Eur Physiopathol Respir** 1979;15 Suppl:183–93 (Eng. Abstr.) **(Fre)**

[The pharmacodynamics of respiratory stimulants (author's transl)] Gay R. **Bull Eur Physiopathol Respir** 1979;15 Suppl:171–82 (55 ref.) (Eng. Abstr.) **(Fre)**

[Evidence for a central action of CO2 ventilatory stimulus in Pekin ducks (author's transl)] Sébert P. **J Physiol (Paris)** 1979;75(8):901–9 (Eng. Abstr.) **(Fre)**

[Administration of salbutamol in intensive care. Effect on respiratory functions of 14 patients with acute respiratory failure and mechanical ventilation (author's transl)] Bonmarchand G, et al. **Poumon Coeur** 1980 Sep–Oct; 36(5):305–8 (Eng. Abstr.) **(Fre)**

[Thrombocyte function and systemic effect of prostaglandin I2 inhalation] Silberbauer K, et al. **Acta Med Austriaca [Suppl]** 1979;6:401–3 (Eng. Abstr.) **(Ger)**

[Respiratory depression after diazepam-fentanyl anaesthesia (author's transl)] Fritsche P, et al. **Anaesth Intensivther Notfallmed** 1981 Feb;16(1):11–4 (Eng. Abstr.) **(Ger)**

[Effect of potent analgesics on the ventilatory CO2 response and on the mouth occlusion pressure (author's transl)] Malischewski CM, et al. **Anaesth Intensivther Notfallmed** 1980 Dec;15(6):470–8 (Eng. Abstr.) **(Ger)**

[An experimental study of the effects of ketamine on the central sympathetic system, respiration and circulation (author's transl)] Pfeifer G, et al. **Anaesth Intensivther Notfallmed** 1981 Jun;16(3):154–8 (Eng. Abstr.) **(Ger)**

[Peridural morphine-analgesia. II. Respiratory depression (author's transl)] Piepenbrock S, et al. **Anaesthesist** 1981 May;30(5):32–3 (Eng. Abstr.) **(Ger)**

[Haemodynamic and respiratory effects of pentazocine. Studies on cardio-surgical patients (author's transl)] Schmucker P, et al. **Anaesthesist** 1980 Sep;29(9):475–80 (Eng. Abstr.) **(Ger)**

[The effect on breathing of flunitrazepam and benzoctamine as adjuvants in spinal anesthesia in broncho-pulmonary risk patients] Tolksdorf W, et al. **Anaesthesist** 1980 Aug; 29(8):434–8 (Eng. Abstr.) **(Ger)**

[The influence of LAP and cardiac output on the pulmonary gas exchange. Intraoperative studies in cardio-surgical patients (author's transl)] Voigt E, et al. **Anaesthesist** 1981 May;30(5):237–42 (Eng. Abstr.) **(Ger)**

[Effect of a birth-delaying tocolytic drug on health and reproduction of swine] Sommer H, et al. **Berl Muench Tieraerztl Wochenschr** 1980 Aug;93(15):284–6 (Eng. Abstr.) **(Ger)**

[Fetal respiratory movements in prolonged pregnancy. Growth retardation and effect of nicotine] Bonilla-Musoles F, et al. **Gynaekol Rundsch** 1980;20(4):218–34 **(Ger)**

[Amiodarone in the treatment of cardiac arrhythmias in the course of chronic obstructive bronchopneumopathy (COBP). Evaluation of the effects of the drug on respiratory function] Pelucco D, et al. **Arch E Maragliano Patol Clin** 1978;34(1):33–6 **(Ita)**

[Experimental analysis of the cardiovascular and respiratory effects of PGE2 in gastric administration] Rosatti F, et al. **Arch Ostet Ginecol** 1979 Mar-Jul;84(3–4):185–202 **(Ita)**

[Behavior of the electrocardiographic and spirographic parameters in athletes practicing rowing who have at the same time taken an anti-inflammatory drug] Bianco C, et al. **Boll Soc Ital Biol Sper** 1980 Jan 30;56(2):95–101 (Eng. Abstr.) **(Ita)**

[Cardioselective beta-blocking agents and respiratory function] Dolce E, et al. **Boll Soc Ital Cardiol** 1980; 25(2):187–91 (Eng. Abstr.) **(Ita)**

[Acute and chronic respiratory effects of an alpha-beta antagonist with antihypertensive action] Turco P, et al. **Clin Ter** 1980 Jun 30;93(6):649–55 (Eng. Abstr.) **(Ita)**

[Chronic effect on the respiratory function of flax dust exposure] Maestrelli P, et al. **Med Lav** 1980 Nov–Dec; 71(6):496–506 (Eng. Abstr.) **(Ita)**

[Effect of propranolol and pindolol on the ventilatory response to carbonic anhydride] Sergi M, et al. **Minerva Anestesiol** 1979 Apr;45(4):205–10 **(Ita)**

[Behavior of respiratory function during antineoplastic chemotherapy] Vignali M, et al. **Minerva Ginecol** 1980 Oct; 32(10):899–903 (Eng. Abstr.) **(Ita)**

[Respiratory functional findings in asthmatic children treated with disodium cromoglycate (DSCG) in aerosol solution] Miraglia Del Giudice M, et al. **Pediatria (Napoli)** 1979 Dec 31;87(4):541–60 (Eng. Abstr.) **(Ita)**

[Effect of the structural characteristics of the alkyl derivatives of imidazole and pyrazole dicarboxylic acid diamides on body respiratory functions] Bogoslovskaia SI, et al. **Farmakol Toksikol** 1980 Nov–Dec;43(6):667–71 (Eng. Abstr.) **(Rus)**

[Effects of dipidolor, seduxen, pipolfen and their combinations on the vasomotor reflex and respiration] Grishin BS. **Farmakol Toksikol** 1980 Nov–Dec;43(6):661–4 (Eng. Abstr.) **(Rus)**

[Separate and combined action of local vibration and a siliceous dust on human respiration] Shakhbazbekova SK, et al. **Gig Tr Prof Zabol** 1980;(12):20–3 (Eng. Abstr.) **(Rus)**

[Aerodynamic and circulatory characteristics in the lungs in papain emphysema in dogs] Putov NV, et al. **Patol Fiziol Eksp Ter** 1980;(4):40–4 (Eng. Abstr.) **(Rus)**

[Effect of prolonged peridural anesthesia on the indices of external respiration, lung gas exchange and central hemodynamics after partial lung resections] Strashnov VI, et al. **Vestn Khir** 1980 Sep;125(9):97–101 (Eng. Abstr.) **(Rus)**

[Characteristics of external respiration in workers engaged in the production of polyvinyl chloride by the latex method] Glushko LV, et al. **Vrach Delo** 1981;(4):35–6 (Eng. Abstr.) **(Rus)**

[Effect of orkomin on the dynamics of the external respiration function in acute pneumonia] Shpak BIu, et al. **Vrach Delo** 1981 Aug;(8):41–4 **(Rus)**

[External respiratory function in combined therapy of chronic nonspecific lung diseases and the bronchospasm syndrome] Usenko IuD, et al. **Vrach Delo** 1981 May; (5):19–21 (Eng. Abstr.) **(Rus)**

[Regulation of respiration (updating)] Loyber I. **Rev Fac Cienc Med Cordoba** 1978 Jan–Dec;36(1–4):33–42 **(Spa)**

RADIATION EFFECTS

The respiratory response to microwaves. Criborn CO, et al. **Aviat Space Environ Med** 1980 Oct;51(10):1139–43

Heat stress in microwave irradiation. Tikhonchuk VS, et al. **Biol Bull Acad Sci USSR** 1979 Sep–Oct;6(5):604–10

The effects of inhaled 144Ce on cardiopulmonary function and histopathology of the dog. Mauderly JL, et al. **Radiat Res** 1980 Nov;84(2):307–24

Radiation pneumonitis and fibrosis in mouse lung assayed by respiratory frequency and histology. Travis EL, et al. **Radiat Res** 1980 Oct;84(1):133–43

RESPIRATION, ARTIFICIAL

The value of capnography during jet ventilation for suspension laryngoscopy. Lazarevic ZD. **Acta Anaesthesiol Belg** 1980;31 Suppl:255–64

The use of anesthetic drugs to reduce ICP changes in head-injured patients. Moss E, et al. **Acta Anaesthesiol Belg** 1980;31 Suppl:43–8

Airway closure and closing pressure during mechanical ventilation. Hedenstierna G, et al. **Acta Anaesthesiol Scand** 1980 Aug;24(4):299–304

Skeletal muscle oxygen pressure fields in artificially ventilated, critically ill patients. Lund N, et al. **Acta Anaesthesiol Scand** 1980 Oct;24(5):347–53

Local cerebral glucose consumption in the artificially ventilated rat: influence of nitrous oxide analgesia and of phenobarbital anesthesia. Ingvar M, et al. **Acta Physiol Scand** 1980 Jun;109(2):177–85

Anaesthetists, mechanical ventilation and the training of surgeons [letter] Gilston A. **Anaesthesia** 1980 Sep;35(9):919

Applications of respiratory mass spectrometry to intensive care. Gothard JW, et al. **Anaesthesia** 1980 Sep;35(9):890–5

The oesophageal obturator airway: A study of cadaver lund ventilation through obturator airways and tracheal tubes. Merrifield AJ, et al. **Anaesthesia** 1981 Jul;36(7):672–6

'Optimal' regulation of mechanical ventilation. Suter PM. **Anaesthesist** 1980 Apr;29(4):163–4

Early extubation versus prophylactic ventilation in the high risk patient: a comparison of postoperative management in the prevention of respiratory complications. Shackford SR, et al. **Anesth Analg (Cleve)** 1981 Feb;60(2):76–80

Canine left ventricular volume response to mechanical ventilation with PEEP. Brown DR, et al. **Anesthesiology** 1981 May;54(5):409–12

Canine VA/Q distribution responses to inhalation anesthesia and mechanical ventilation. Dueck R, et al. **Anesthesiology** 1981 Aug;55(2):127–37

Ventilatory requirements of critically ill neonates. Epstein RA, et al. **Anesthesiology** 1980 Nov;53(5):379–84

Cardiorespiratory dynamics during weaning with IMV versus spontaneous ventilation in good-risk cardiac-surgery patients. Hastings PR, et al. **Anesthesiology** 1980 Nov;53(5):429–31

Measurement of functional residual capacity during mechanical ventilation by simultaneous exchange of two insoluble gases. Ozanne GM, et al. **Anesthesiology** 1981 May;54(5):413–7

Device for endotracheal route medication [letter] Simon JS. **Ann Emerg Med** 1981 Jun;10(6):341

Difficulties in weaning from mechanical ventilation: positive end expiratory pressure and supplemental oxygen. Quan SF, et al. **Ariz Med** 1980 Sep;37(9):622–5

Mechanical ventilation of infants with severe hyaline membrane disease in a regional newborn intensive care unit. Barr PA, et al. **Aust Paediatr J** 1980 Jun;16(2):83–9

Hexobarbitone disposition at different stages of intensive care treatment. Rietbrock I, et al. **Br J Anaesth** 1981 Mar; 53(3):283–93

Nutritional support in long term intensive care with special reference to ventilator patients: a review. Bassili HR, et al. **Can Anaesth Soc J** 1981 Jan;28(1):17–21

Circulatory and ventilatory effects of hypervolaemia in artificially ventilated piglets. Lindahl S. **Can Anaesth Soc J** 1981 Jul;28(4):356–62

Rebreathing and carbon dioxide elimination with the Bain circuit Spoerel WE. **Can Anaesth Soc J** 1980 Jul; 27(4):357–62

A pulse method of measuring respiratory system compliance in ventilated patients. Suratt PM, et al. **Chest** 1981 Jul; 80(1):34–8

Routine use of biofeedback in weaning patients from mechanical ventilation [letter] Yarnal JR, et al. **Chest** 1981 Jan;79(1):127

Prolonged mechanical ventilation after open heart surgery. Gilston A. **Cleve Clin Q** 1981 Spring;48(1):233–6

Arterial hypoxemia during hemodialysis for acute renal failure in mechanically ventilated patients: observations and mechanisms. Jones RH, et al. **Clin Nephrol** 1980 Jul; 14(1):18–22

Resistive load detection during passive ventilation. Killian KJ, et al. **Clin Sci** 1980 Dec;59(6):493–5

Maximum inspiratory force [letter] Belani KG, et al. **Crit Care Med** 1980 Sep;8(9):528–9

Critically ill ICU patients requiring ventilatory support [letter] Byrick RJ, et al. **Crit Care Med** 1981 Apr;9(4):355

Use of PEEP in acute respiratory distress syndrome in dogs. Dechert R, et al. **Crit Care Med** 1981 Jan;9(1):10–3

Metabolic and nutritional evaluation of patients supported with mechanical ventilation. Hunker FD, et al. **Crit Care Med** 1980 Nov;8(11):628–32

Early onset group B streptococcus neonatal septicemia and respiratory distress syndrome: characteristic features of assisted ventilation in the first 24 hours of life. Modanlou HD, et al. **Crit Care Med** 1980 Dec;8(12):716–20

Postoperative management: ventilation. Hollinger IB. **Int Anesthesiol Clin** 1980 Spring;18(1):205–16

Measurement of dead space ventilation using a pHa servo–controlled ventilator. Coon RL, et al. **J Appl Physiol** 1981 Jul;51(1):154–9

Volume, flow, and timing of each breath during negative airway pressure in humans. Hirsch JA, et al. **J Appl Physiol** 1981 Mar;50(3):552–60

Prospective clinical comparison of two methods for mechanical ventilation of neonates: rapid rate and short inspiratory time versus slow rate and long inspiratory time. Heicher DA, et al. **J Pediatr** 1981 Jun;98(6):957–61

Pneumoperitoneum in the ventilated neonate: respiratory or gastrointestinal origin? Knight PJ, et al. **J Pediatr** 1981 Jun;98(6):972–4

The diuretic phase of respiratory distress syndrome and its relationship to oxygenation. Langman CB, et al. **J Pediatr** 1981 Mar;98(3):462–6

Treatment of RDS by high–frequency oscillatory ventilation: a preliminary report. Marchak BE, et al. **J Pediatr** 1981 Aug;99(2):287–92

Respiratory paralysis to improve oxygenation and mortality in large newborn infants with respiratory distress. Henry GW, et al. **J Pediatr Surg** 1979 Dec;14(6):761–7

Sequelae of prolonged ventilatory support for pediatric surgical patients. Ziegler MM, et al. **J Pediatr Surg** 1979 Dec;14(6):768–72

Selective use of ventilator therapy in flail chest injury. Shackford SR, et al. **J Thorac Cardiovasc Surg** 1981 Feb; 81(2):194–201

Radiological evaluation of patients receiving assisted ventilation. Goodman LR, et al. **JAMA** 1981 Feb 27; 245(8):858–60

Does intermittent mandatory ventilation accelerate weaning? Schachter EN, et al. **JAMA** 1981 Sep 11;246(11):1210–4

Effect of nutritional support on weaning patients off mechanical ventilators. Bassili HR, et al. **JPEN** 1981 Mar–Apr;5(2):161–3

Paralysed with fear [editorial] **Lancet** 1981 Feb 21;1(8217):427

Improved survival of ventilated neonates with modern intensive care. Schreiner RL, et al. **Pediatrics** 1980 Dec; 66(6):985–7

Experimental studies on the effect of artificial respiration after lightning accidents. Ishikawa T, et al. **Res Exp Med (Berl)** 1981;179(1):59–68

Mechanics of breathing during prolonged artificial ventilation. Popova LM, et al. **Resuscitation** 1980 Mar; 8(1):29–41

[Thoracotomy and artificial ventilation of one lung and its influence on the gas composition of the arterial and mixed venous blood (an experimental study with dogs] Aleksandrov V. **Khirurgiia (Sofiia)** 1981;34(1):74–7 **(Bul)**

[Simplified study of mechanical respiration during mechanical ventilation] Bourdain JL, et al. **Agressologie** 1980;21(B):9–22 (Eng. Abstr.) **(Fre)**

[Measurement of split thoracic impedance during ventilation in a lateral decubitus position] Dautzenberg B, et al. **Agressologie** 1980;21(C):169–73 (Eng. Abstr.) **(Fre)**

[The role of monitoring CO2 diffusion for deciding when to stop artificial ventilation in patients with chronic obstructive respiratory insufficiency in acute respiratory insufficiency] Muir JF, et al. **Agressologie** 1980;21(B):81–8 (Eng. Abstr.) **(Fre)**

[Inspiratory thoraco–pulmonary pressure–volume ratio under static conditions in patients on assisted ventilation] Robert D, et al. **Agressologie** 1980;21(2):105–12 (Eng. Abstr.) **(Fre)**

[Importance of studying total static pulmonary compliance in artificial ventilation] Tenaillon A, et al. **Agressologie** 1980;21(B):23–8 (Eng. Abstr.) **(Fre)**

[Mechanical ventilation applied to intensive care] Varene P. **Agressologie** 1980;21(B):1–7 (Eng. Abstr.) **(Fre)**

[Status asthmaticus. Mechanical ventilation with association sodium gamma hydroxy–butyrate and pancuronium bromide (author's transl)] Hoang PT, et al. **Anesth Analg (Paris)** 1981;38(1–2):43–6 (Eng. Abstr.) **(Fre)**

[Effect of different FiO2 on the ventilatory action of almitrine in the anesthetized dog. Preliminary study] Gaudy JH, et al. **Ann Anesthesiol Fr** 1980;21(2):145–7 (Eng. Abstr.) **(Fre)**

[Respiratory function studies in artificial ventilation] Harf A. **Ann Anesthesiol Fr** 1980;21(4):375–8 **(Fre)**

[Effects of a respiratory analeptic with peripheral action–almitrine on ventilation immediately after surgery] Parotte P, et al. **Ann Anesthesiol Fr** 1980;21(5):519–24 (Eng. Abstr.) **(Fre)**

[Artificial ventilation in chronic respiratory diseases with alveolar hypoventilation (author's transl)] Lemaire F. **Bull Eur Physiopathol Respir** 1979;15 Suppl:279–85 (24 ref.) **(Fre)**

[Spirometric study of flail chest treated by artificial respiration] Slaoui A, et al. **Maroc Med** 1980 Mar; 2(1):79–83 (Eng. Abstr.) **(Fre)**

[Acute respiratory failure: comparison of spontaneous ventilation with continuous positive airway pressure (CPAP) and mechanical ventilation with positive and expiratory pressure (CPPV) in 6 cases (author's transl)] Simonneau G, et al. **Nouv Presse Med** 1979 Jan 13; 8(2):113–5 (Eng. Abstr.) **(Fre)**

[Data processing system for patients requiring artificial ventilation (author's transl)] Osswald PM, et al. **Anaesth Intensivther Notfallmed** 1980 Dec;15(6):501–5 (Eng. Abstr.) **(Ger)**

[Respiratory volumes during anaesthesia (author's transl)] Racenberg E, et al. **Anaesth Intensivther Notfallmed** 1981 Feb;16(1):18–21 (Eng. Abstr.) **(Ger)**

[Metabolic effects of maternal hyperventilation in obstetrical anaesthesia induction (author's transl)] Kalinkov D, et al. **Anaesthesist** 1981 Jul;30(7):347–9 (Eng. Abstr.) **(Ger)**

[A simple method for determination of the functional residual capacity during artificial ventilation (author's transl)] Stokke T, et al. **Anaesthesist** 1981 Mar;30(3):124–30 (Eng. Abstr.) **(Ger)**

[Jet ventilation in laryngoscopy and microlaryngeal surgery under general anaesthesia (author's transl)] Zadrbilek E, et al. **Anaesthesist** 1981 Apr;30(4):191–5 (Eng. Abstr.) **(Ger)**

[Prophylaxis and treatment of respiratory tract infection in ventilated patients by endotracheal administration of aminoglycosides (author's transl)] Vogel F, et al. **Dtsch Med Wochenschr** 1981 Jul 10;106(28):898–903 (Eng. Abstr.) **(Ger)**

[Substrate and energy metabolism in intensive care patients under long–term mechanical ventilation] Schmitz JE, et al. **Infusionsther Klin Ernaehr** 1981 Apr;8(2):61–8 (Eng. Abstr.) **(Ger)**

[The distribution pattern of core– and skin temperatures in healthy and cardio–pulmonary diseased, ventilated newborn infants (author's transl)] Simbruner G, et al. **Klin Paediatr** 1981 Jan;193(1):41–5 (Eng. Abstr.) **(Ger)**

[Thoracic epidural analgesic (TEA) or controlled ventilation in the treatment of patients with multiple rib fractures (author's transl)] Dittmann M, et al. **Langenbecks Arch Chir** 1980;353(2):139–42 (Eng. Abstr.) **(Ger)**

[Problem in indication and artificial ventilation during segmental resection of the trachea (author's transl)] Dragojevic B, et al. **Langenbecks Arch Chir** 1980; 351(2):99–103 (Eng. Abstr.) **(Ger)**

[Laryngo–tracheal intubation or tracheotomy in long–term assisted respiration] Strupler W. **Ther Umsch** 1980 Dec; 37(12):1068–73 (Eng. Abstr.) **(Ger)**

[Roentgenographic pulmonary findings in long term ventilated multiple trauma patients (author's transl)] Mellmann J, et al. **Unfallchirurgie** 1981;7(2):127–8 (Eng. Abstr.) **(Ger)**

[Long term clinical and radiological follow–up of patients given respiratory assistance during the neonatal period] Frascarolo L, et al. **Minerva Anestesiol** 1980 May; 46(5):597–605 (Eng. Abstr.) **(Ita)**

[Computer evaluation of hemodynamic changes during mechanical ventilation with a body respirator] Schiavoni G, et al. **Minerva Med** 1980 Nov 14;71(45):3339–44 (Eng. Abstr.) **(Ita)**

[Post–operative mechanical ventilatory support and circulatory care for the esophageal cancer surgery (author's transl)] Nagano M, et al. **Kokyu To Junkan** 1981 Feb; 29(2):159–64 **(Jpn)**

[Biochemical and histochemical studies of the cerebral white matter under conditions of long–term controlled respiration] Wender M, et al. **Neuropatol Pol** 1980 May–Jun;18(2):273–97 (Eng. Abstr.) **(Pol)**

[Prolonged use of N–acetyl–cysteine by oral route] Saraiva PA, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1980 Apr; 35(2):56–9 (Eng. Abstr.) **(Por)**

[Central hemodynamics in extensive paralysis during years of artificial pulmonary ventilation] Dorogovtsev VN. **Anesteziol Reanimatol** 1980 Nov–Dec;(6):7–9 (Eng. Abstr.) **(Rus)**

[Effect of artificial pulmonary ventilation under constant positive pressure in the respiratory tracts on the lesser circulation under various types of general anesthesia] Gimmel'farb GN, et al. **Anesteziol Reanimatol** 1980 Sep–Oct;(5):43–6 (Eng. Abstr.) **(Rus)**

[Controlled hyperventilation in treating skull injuries] Järnberg PO, et al. **Anesteziol Reanimatol** 1980 Nov–Dec; (6):11–3 (Eng. Abstr.) **(Rus)**

[Respiratory insufficiency in acute polyradiculoneuritis and polyneuropathies and the results of treatment with prolonged artificial pulmonary ventilation] Oganesian ShS. **Anesteziol Reanimatol** 1980 Sep–Oct;(5):46–9 (Eng. Abstr.) **(Rus)**

[22 years of uninterrupted artificial pulmonary ventilation in respiratory muscle paralysis] Popova LM. **Anesteziol Reanimatol** 1980 Nov–Dec;(6):3–7 (Eng. Abstr.) **(Rus)**

[Effect of auxiliary artificial pulmonary ventilation on the myocardial function in the acute period of closed chest injury] Dinkovich BI, et al. **Vestn Khir** 1981;126(5):131–6 **(Rus)**

[Relation between artificial respiration and blood circulation in lung surgery] Shendera TK, et al. **Vestn Khir** 1981 Jan; 126(1):120–3 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Histopathological study of the adverse effects of prolonged respiratory therapy on the neonate lung. Takemura T. **Acta Pathol Jpn** 1981 Mar;31(2):199–210

Bronchiolar epithelial lesions induced in the premature rabbit neonate by short periods of artificial ventilation. Nilsson R, et al. **Acta Pathol Microbiol Scand [A]** 1980 Nov; 88A(6):359–67

An acute rise in expiratory resistance due to a blocked ventilator filter. Mason J, et al. **Anaesthesia** 1981 Mar; 36(3):335

Problems with Dupaco ventilator valve assembly [letter] Warren PR, et al. **Anesthesiology** 1980 Dec;53(6):524–5

Bronchopulmonary dysplasia. Analysis of 565 ventilated neonates. Monset–Couchard M, et al. **Ann Radiol (Paris)** 1981 Jan;24(1):55–65 **(Eng, Fre)**

An infrequent cause of pulmonary atelectasis during mechanical ventilation [letter] Casanueva J, et al. **Br J Anaesth** 1981 Mar;53(3):319

Atelectasis associated with mechanical ventilation for hyaline membrane disease. Whitfield JM, et al. **Crit Care Med** 1980 Dec;8(12):729–31

Pneumonia due to Staphylococcus aureus during mechanical ventilation. Espersen F, et al. **J Infect Dis** 1981 Jul; 144(1):19–23

Outcome for survivors of mechanical ventilation weighing less than 1,250 gm at birth. Rothberg AD, et al. **J Pediatr** 1981 Jan;98(1):106–11

Emergency thoracotomy for acquired bronchopleural fistula in the premature infant with respiratory distress. Grosfeld JL, et al. **J Pediatr Surg** 1980 Aug;15(4):416–21

Adverse occurrences in intensive care units. Abramson NS, et al. **JAMA** 1980 Oct 3;244(14):1582–4

Iatrogenic malnutrition in patients receiving ventilatory support. Driver AG, et al. **JAMA** 1980 Nov 14; 244(19):2195–6

Pneumothorax, mechanical ventilation, and periventricular haemorrhage [letter] Cooke RW, et al. **Lancet** 1981 Mar 7;1(8219):555

Pancuronium during mechanical ventilation speeds recovery of lungs of infants with hyaline membrane disease. Pollitzer MJ, et al. **Lancet** 1981 Feb 14;1(8216):346–8

Pathogenesis of neonatal lung lesions induced by artificial ventilation: evidence against the role of barotrauma. Nilsson R, et al. **Respiration** 1980;40(4):218–25

Complications of respiratory assistance in the newborn. Paster SB, et al. **Tex Med** 1981 Mar;77(3):36–43

[Late mortal complication of an old shot wound of the lungs, casuistical report (author's transl)] Fanta J, et al. **Sb Lek** 1981 May;83(5):145–7 (Eng. Abstr.) **(Cze)**

[Transfer of CO after prolonged artificial ventilation (18 young people after their stay in the neuro–surgery department) (author's transl)] Garnier D, et al. **Anesth Analg (Paris)** 1981;38(5–6):227–33 (Eng. Abstr.) **(Fre)**

[Esophagotracheal fistula after tracheotomy and assisted ventilation (author's transl)] Coudray C, et al. **Ann Otolaryngol Chir Cervicofac** 1980 Sep;97(9):747–67 (Eng. Abstr.) **(Fre)**

[Rupture of the healthy stomach following gaseous distension (author's transl)] Millat B, et al. **Gastroenterol Clin Biol** 1981 Jun–Jul;5(6–7):640–5 (Eng. Abstr.) **(Fre)**

[Emergencies of mechanical ventilation (author's transl)] Dufaye P. **Rev Med Brux** 1980 Jun;1(6):379–88 (Eng. Abstr.) **(Fre)**

[A case of pneumoperitoneum during induction of anaesthesia (author's transl)] Länger W, et al. **Anaesthesist** 1980 Nov; 29(11):639 (Eng. Abstr.) **(Ger)**

[Intrapulmonary interstitial emphysema in ventilatorsy supported infants (author's transl)] Coradello H, et al. **Klin Paediatr** 1980 Sep;192(5):408–14 (Eng. Abstr.) **(Ger)**

[An autopsy case of 'respirator lung' with amyotrophic lateral sclerosis (author's transl)] Kuhara H, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Jun;18(6):381–6 (Eng. Abstr.) **(Jpn)**

[Determination of the pathways of infection transmission in artificial pulmonary ventilation] Vartazarian DV, et al. **Anesteziol Reanimatol** 1980 Sep–Oct;(5):52–4 (Eng. Abstr.) **(Rus)**

[Complications of subclavian vein puncture during artificial respiration] Manturov AI. **Vestn Khir** 1981 Jan;126(1):141–3 **(Rus)**

ECONOMICS

Survival, cost of hospitalization, and prognosis in infants critically ill with respiratory distress syndrome requiring mechanical ventilation. Shannon DC, et al. **Crit Care Med** 1981 Feb;9(2):94–7

HISTORY

Historical survey of mechanical ventilation. Grenvik A, et al. **Int Anesthesiol Clin** 1980 Summer;18(2):1–10

[Prolonged artificial ventilation. 1954–1979.] Rapin M, et al. **Nouv Presse Med** 1979 Jan 13;8(2):89–92 **(Fre)**

INSTRUMENTATION

Temperature variations in disposable heat and moisture exchangers. Revenäs B, et al. **Acta Anaesthesiol Scand** 1980 Jun;24(3):237–40

Automatic ventilation with the Ayre's T–piece. A modification of the Nuffield Series 200 ventilator for neonatal and paediatric use. Newton NI, et al. **Anaesthesia** 1981 Jan;36(1):22–36

Valve misassembly––manually operated resuscitation bag [letter] Dolan PF, et al. **Anesth Analg (Cleve)** 1981 Jan;

60(1):66–7
Compliances of pediatric rebreathing bags. Stone DR, et al. **Anesthesiology** 1980 Nov;53(5):434–5
The oesophageal obturator airway [letter] Cameron AE. **Br Med J [Clin Res]** 1981 Jan 24;282(6260):316
A new, microprocessor device for mean airway pressure measurement. Banner MJ, et al. **Crit Care Med** 1981 Jan; 9(1):51–3
A new device for continuous measurement of gas exchange during artificial ventilation. Bohrn SE, et al. **Crit Care Med** 1980 Dec;8(12):705–9
Technical aspects and clinical implications of high frequency jet ventilation with a solenoid valve. Carlon GC, et al. **Crit Care Med** 1981 Jan;9(1):47–50
Hazard of a ruptured exhalation mushroom diaphragm. Duckett JE, et al. **Crit Care Med** 1980 Dec;8(12):750–1
Modified Mapleson D system for long-term mechanical ventilation of infants and children. Holzman BH, et al. **Crit Care Med** 1981 Jun;9(6):481–6
Esophageal perforation associated with the esophageal obturator airway. Kassels SJ, et al. **Crit Care Med** 1980 Jul;8(7):386–9
Use of extra-corporeal membrane oxygenation (membrane lung) in acute respiratory failure. Udwadia FE, et al. **Indian J Chest Dis Allied Sci** 1980 Jan–Mar;22(1):59–68
A solid-state ventilator alarm. Farman JV, et al. **Intensive Care Med** 1981 Apr;7(3):147–9
A new ventilation failure alarm. Kirsner RL, et al. **Med Biol Eng Comput** 1980 Nov;18(6):799–800
Use of venturi entrainment mask for high-flow ventilation of patients submitting to ophthalmic surgery under local anesthesia. Wesley RE, et al. **Ophthalmic Surg** 1981 Feb; 12(2):85–8
[Computerized monitoring system for mechanical ventilation. Description and initial results] Chopin C, et al. **Agressologie** 1980;21(B):93–100 (Eng. Abstr.) **(Fre)**
[Forced diffusion ventilation (FDV). Bases and clinical application (author's transl)] Baum M, et al. **Anaesthesist** 1980 Nov;29(11):586–91 (Eng. Abstr.) **(Ger)**
[Apparatus for artificial pulmonary ventilation and inhalation anesthesia] Burlakov RI, et al. **Med Tekh** 1981 Mar–Apr; 000(2):24–7 **(Rus)**

METHODS

Sustained reversal of chronic hypercapnia in patients with alveolar hypoventilation syndromes. Long-term maintenance with noninvasive nocturnal mechanical ventilation. Garay SM, et al. **Am J Med** 1981 Feb; 70(2):269–74
Hand or mechanical ventilation for paediatric and adult anaesthesia [letter] **Anaesthesia** 1981 Jun;36(6):637–8
The Cape Bristol ventilator. Spontaneous respiration: the Bromsgrove Conversion. Scott PV. **Anaesthesia** 1980 Nov; 35(11):1094–9
Low frequency ventilation. The Bain breathing circuit with the Automatic–Vent and the Minivent. Spoerel WE. **Anaesthesia** 1980 Nov;35(11):1087–93
Gas exchange and high frequency ventilation [letter] Ngeow YK, et al. **Anesth Analg (Cleve)** 1981 May;60(5):363–4
High-frequency alternating lung ventilation. Hameroff SR, et al. **Anesthesiology** 1981 Mar;54(3):237–9
Carden tube [letter] Carden E. **Can Anaesth Soc J** 1980 Sep; 27(5):512
Limits of high frequency percutaneous transtracheal jet ventilation using a fluidic logic controlled ventilator. Smith RB, et al. **Can Anaesth Soc J** 1980 Jul;27(4):351–6
Inappropriate applications of IMV [letter] Downs JB. **Chest** 1980 Dec;78(6):897
A graphic approach for prediction of arterial oxygen tension at different concentrations of inspired oxygen. Gross R, et al. **Chest** 1981 Mar;79(3):311–5
IMV and weaning [editorial] Williams HM Jr. **Chest** 1980 Dec;78(6):804
Postoperative respiratory care. Benzer H. **Cleve Clin Q** 1981 Spring;48(1):215–7
Independent lung ventilation [letter] Albert J, et al. **Crit Care Med** 1981 Feb;9(2):131–2
Asynchronous independent lung ventilation (AILV). Hillman KM, et al. **Crit Care Med** 1980 Jul;8(7):390–5
High frequency jet ventilation in CPR. Klain M, et al. **Crit Care Med** 1981 May;9(5):421–2
Long-term transtracheal high frequency ventilation in dogs. Smith RB, et al. **Crit Care Med** 1981 Apr;9(4):311–4
Hemodynamic responses to different modes of mechanical ventilation in dogs with normal and acid aspirated lungs. Venus B, et al. **Crit Care Med** 1980 Nov;8(11):620–7
Artificial ventilation in severe IRDS using inspiratory plateau, prolonged expiratory time and low frequency. Müller WD, et al. **Helv Paediatr Acta** 1980 Oct; 35(5):449–58
Bilateral diaphragmatic paralysis in the newborn infant. Aldrich TK, et al. **J Pediatr** 1980 Dec;97(6):988–91
[Biomechanical aspects of thoracotomy and single lung ventilation (an experimental study on dogs)] Aleksandrov V. **Khirurgiia (Sofiia)** 1981;34(2):123–5 **(Bul)**
[Ocular findings in high-risk newborns treated with continual negative pressure] Kubát Z, et al. **Cesk Oftalmol** 1980 Mar; 36(2):96–104 (Eng. Abstr.) **(Cze)**
[Measurement of ventilatory reserve as an objective criterion for early extubation after cardiac surgery (author's transl)] Lauwers P, et al. **Acta Anaesthesiol Belg** 1980; 31(1):XXXII–XXXVI **(Dut)**
[Regulation of artificial ventilation in adult respiratory distress syndromes] Gay R. **Ann Anesthesiol Fr** 1980; 21(4):407–17 (Eng. Abstr.) **(Fre)**
[Mechanical procedure of respiratory assistance in the patient with thoracic injuries] Hans P, et al. **Rev Med Liege** 1981 Feb 15;36(4):163–75 **(Fre)**
[Inversed ratio ventilation (IRV). Role of the respiratory time ratio in artificial respiration in ARDS] Baum M, et al. **Anaesthesist** 1980 Nov;29(11):592–6 (Eng. Abstr.) **(Ger)**
[Artificial respiration and infection in postoperative intensive care] Adam D. **Intensivmed Prax** 1979;(2):29–32 **(Ger)**
[Home-respirator treatment in idiopathic hypoventilation (author's transl)] Schlick W, et al. **Wien Med Wochenschr** 1981;131(10):261–3 (Eng. Abstr.) **(Ger)**
[A new respiratory care, adaptive assisted ventilation (AAV) --especially, about the weaning from respirator in the patient who cannot by weaned by IMV (author's transl)] Hino T, et al. **Kyobu Geka** 1981;34(1):5–14 (Eng. Abstr.) **(Jpn)**
[Selection of optimal end-expiratory positive pressure during artificial ventilation after mitral and aortic valve prosthesis] Nikolaenko EM, et al. **Anesteziol Reanimatol** 1981 Mar–Apr;(2):64–8 (Eng. Abstr.) **(Rus)**
[New technic for mechanical ventilation in thoracic surgery] Alvarez E, et al. **Rev Esp Anestesiol Reanim** 1981 May; 28(3):111–4 (Eng. Abstr.) **(Spa)**
[Artificial respiration with phrenic nerve stimulation in a 10-year-old boy with respiratory paralysis] Blom S, et al. **Lakartidningen** 1981 Jan 21;78(4):267–70 (Eng. Abstr.) **(Swe)**

MORTALITY

[Results of treatment of internal medicine intensive care cases] Schuster HP, et al. **Med Klin** 1981 Jul 17; 76(15):419–22 (0 ref.) **(Ger)**

STANDARDS

One rescuer CPR--a reappraisal of present recommendations for ventilation. Melker R, et al. **Crit Care Med** 1981 May; 9(5):423
[Weaning from respirator (author's transl)] Kubota T. **Kokyu To Junkan** 1980 Sep;28(9):999–1005 **(Jpn)**

VETERINARY

Mechanical ventilation of the anesthetized horse. Steffey EP. **Vet Clin North Am [Large Anim Pract]** 1981 May; 3(1):97–110 (33 ref.)

RESPIRATION DISORDERS

Respiratory dysrhythmias during sleep. Cherniack NS. **N Engl J Med** 1981 Aug 6;305(6):325–30 (33 ref.)
Symposium on respiratory care. **Nurs Clin North Am** 1981; 16(2):193–297
[French Society of Tuberculosis and Respiratory Diseases. List of members (1981)] **Rev Fr Mal Respir** 1981; 9(2):167–97 **(Fre)**

CHEMICALLY INDUCED

Intrathecal opiates, a potent tool to be used with caution [letter] Stanley TH. **Anesthesiology** 1980 Dec;53(6):523–4
Effect of atropine premedication on respiratory complication [letter] Jones GC, et al. **Br J Anaesth** 1981 Apr;53(4):441
Respiratory effects of mixed nitrogen dioxide and sulfur dioxide in human volunteers under simulated ambient exposure conditions. Linn WS, et al. **Environ Res** 1980 Aug; 22(2):431–8
Antidepressant medication [letter] Shaw WL. **Ir Med J** 1981 Mar;74(3):97
[Disorders of external respiration in organophosphorous poisoning] Gembitskiĭ EV, et al. **Voen Med Zh** 1981 Feb; (2):29–32 **(Rus)**

COMPLICATIONS

Stevens–Johnson syndrome associated with intrahepatic cholestasis and respiratory disease: a case report. Schønheyder H. **Acta Derm Venereol (Stockh)** 1981; 61(2):171–3
Sustained reversal of chronic hypercapnia in patients with alveolar hypoventilation syndromes. Long-term maintenance with noninvasive nocturnal mechanical ventilation. Garay SM, et al. **Am J Med** 1981 Feb; 70(2):269–74
Cot death among children of nurses. Observations of breathing patterns. Mandell F. **Arch Dis Child** 1981 Apr; 56(4):312–4
Sudden infant death syndrome and ventilatory control [editorial] **Br Med J** 1980 Aug 2;281(6236):337
Sudden infant death syndrome and ventilatory control [letter] Southall DP, et al. **Br Med J** 1980 Aug 16;281(6238):516
Sleep-disordered breathing and oxygen desaturation in obese patients. Harman E, et al. **Chest** 1981 Mar;79(3):256–60
Intrauterine fetal tachypnea. Manning FA, et al. **Obstet Gynecol** 1981 Sep;58(3):398–400
[Respiratory disorders in hypertensive patients] Almazov VA, et al. **Ter Arkh** 1981;53(4):121–3 (Eng. Abstr.) **(Rus)**
[Expiratory closure of the airways as a cause of hypoxemia following lung resection] Shchelkunov VS. et al. **Vestn Khir** 1980 Jul;125(7):30–4 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Death following breath holding in an adolescent. Murphy JV, et al. **Am J Dis Child** 1981 Feb;135(2):180–1
Respiratory induction plethysmography (Respitrace): an evaluation of its use in the infant. Duffty P, et al. **Am Rev Respir Dis** 1981 May;123(5):542–6
Use of maximal expiratory flow–volume curves with air and helium–oxygen in the detection of ventilatory abnormalities in population surveys. Lam S, et al. **Am Rev Respir Dis** 1981 Feb;123(2):234–7
Pulmonary aspiration syndromes. Kaufman JL, et al. **JAOA** 1981 Apr;80(8):542–6
Forced end-expiratory flow (FEF75–85) measurement: use in diagnosis of small airways dysfunction from routine spirometric tracings. Sorbello A, et al. **JAOA** 1981 Jul; 80(11):731–2
Diagnosis and treatment of breathlessness [letter] Bass C. **Lancet** 1981 Jan 24;1(8213):220
Examining the breathless patient [letter] Gandevia SC. **Lancet** 1981 Mar 21;1(8221):662
How easy is it to diagnose and treat breathlessness? [letter] Pearson SB, et al. **Lancet** 1980 Dec 20–27; 2(8208–8209):1368
Joubert syndrome: clinical and polygraphic observations in a further case. Boltshauser E, et al. **Neuropediatrics** 1981 May;12(2):181–91
[Central respiratory disorders: physiopathology, diagnosis and clinical aspects] Kummer F. **Prax Klin Pneumol** 1981 May;35(5):203–8 **(Ger)**
[The role and significance of radiological findings in the evaluation of disabling respiratory damage] Micillo E, et al. **Arch Monaldi** 1979;34(5–6):309–25 **(Ita)**
[Rhinodebitomanometry. Simplified recording technic and evaluation. I. Results in healthy persons] Gómez A, et al. **An Otorrinolaringol Ibero Am** 1980;7(5):387–406 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

[Narcan – an antidote for opiates] Slavíčková A, et al. **Rozhl Chir** 1981;60(1):16–20 (Eng. Abstr.) **(Cze)**

ENZYMOLOGY

[Alpha 1-antitrypsin deficiency in asthma and recurrent respiratory incidents in children] Lelong M, et al. **Lille Med** 1980 Aug–Sep;25(7):358–61 **(Fre)**

ETIOLOGY

Pulmonary function status of workers exposed to hardwood or pine dust. Whitehead LW, et al. **Am Ind Hyg Assoc J** 1981 Mar;42(3):178–86
Pulmonary function loss in Vermont granite workers. A long-term follow-up and critical reappraisal. Graham WG, et al. **Am Rev Respir Dis** 1981 Jan;123(1):25–8
Immotile cilia syndrome: a new cause of neonatal respiratory distress. Whitelaw A, et al. **Arch Dis Child** 1981 Jun; 56(6):432–5
Hypermagnesemia as a cause of refractory hypotension, respiratory depression, and coma. Ferdinandus J, et al. **Arch Intern Med** 1981 Apr;141(5):669–70
Respiratory illness, maternal smoking habit and lung function in children. Yarnell JW, et al. **Br J Dis Chest** 1979 Jul; 73(3):230–6
Respiratory complications of obesity. Luce JM. **Chest** 1980 Oct;78(4):626–31 (37 ref.)
Further observations on sleep abnormalities in Kleine–Levin syndrome: abnormal breathing pattern during sleep. Lavie P, et al. **Electroencephalogr Clin Neurophysiol** 1981 Jul; 52(1):98–101
Esophageal pH monitoring during sleep identifies children with respiratory symptoms from gastroesophageal reflux. Jolley SG, et al. **Gastroenterology** 1981 Jun;80(6):1501–6
Due to recurring pulmonary emboli: failure to wean from a respirator. DiFilippo NM, et al. **IMJ** 1981 Feb; 159(2):104–6
Recurrent pulmonary disease as the presenting problem in cases of gastroesophageal reflux in infants and children. Kellogg MP, et al. **J Fla Med Assoc** 1980 Sep;67(9):842–4
Aerodigestive dysfunction secondary to thyroid tumors. Calcaterra TC, et al. **Laryngoscope** 1981 May;91(5):701–7
The effect of nasal packing on sleep-disordered breathing and nocturnal oxygen desaturation. Taasan V, et al. **Laryngoscope** 1981 Jul;91(7):1163–72
Postburn respiratory injuries in children. Charnock EL, et al. **Pediatr Clin North Am** 1980 Aug;27(3):661–76 (66 ref.)
[Respiratory manifestations of connective tissue inflammations. Abstracts] **Rev Fr Mal Respir** 1980; 8(4):321–37 **(Fre)**
[Respiratory disturbances caused by vascular tracheal compression after repair of oesophageal atresia (author's transl)] Booss D, et al. **Z Kinderchir Grenzgeb** 1980 Jun; 30(2):125–33 (Eng. Abstr.) **(Ger)**
[Pharyngeo-esophageal dysfunction (achalasia of the cricopharynx) as a cause of dysphagia and respiratory difficulty in infants] Corbatón J, et al. **An Esp Pediatr** 1981 Jan;14(1):64–8 **(Spa)**

FAMILIAL & GENETIC

Periodic breathing in siblings of sudden infant death

syndrome victims. Kelly DH, et al. **Pediatrics** 1980 Oct; 66(4):515–20

METABOLISM

Possible alterations in brain monoamine metabolism during hypoxia–induced tachypnea in cats. Gautier H, et al. **J Appl Physiol** 1980 Nov;49(5):769–77

MICROBIOLOGY

Slow–growing Haemophilus influenzae in chronic respiratory disease [letter] Ruhen RW, et al. **Med J Aust** 1981 Jan 24;1(2):90–1

OCCURRENCE

The effect of birth month on asthma, eczema, hayfever, respiratory symptoms, lung function, and hospital admissions for asthma. Anderson HR, et al. **Int J Epidemiol** 1981 Mar;10(1):45–51

Epidemiological study of respiratory disease in workers exposed to polyvinylchloride dust. Soutar CA, et al. **Thorax** 1980 Sep;35(9):644–52

[Expiratory disturbances among children] Liberman D, et al. **Harefuah** 1980 Feb 1;98(3):107–9 (Eng. Abstr.) **(Heb)**

PHYSIOPATHOLOGY

The physiological responses of mild pulmonary impaired subjects while using a 'demand' respirator during rest and work. Raven PB, et al. **Am Ind Hyg Assoc J** 1981 Apr; 42(4):247–57

Sleep breathing abnormalities in kyphoscoliosis. Mezon BL, et al. **Am Rev Respir Dis** 1980 Oct;122(4):617–21

Transient tachypnoea of the newborn: two distinct clinical entities? Halliday HL, et al. **Arch Dis Child** 1981 May; 56(5):322–5

New clinico–pathophysiological studies on the bone cement implantation syndrome. Rinecker H. **Arch Orthop Trauma Surg** 1980;97(4):263–74

Respiratory muscles in health and disease. Green M, et al. **Bull Eur Physiopathol Respir** 1979;15 Suppl:97–106

Dirhythmic breathing. Flemister G, et al. **Chest** 1981 Jan; 79(1):33–8

Subjective rating scores for respiratory disability. Kerridge DF. **Eur J Respir Dis [Suppl]** 1980;61(110):217–26

Respiratory rate as an indicator of acute respiratory dysfunction. Gravelyn TR, et al. **JAMA** 1980 Sep 5; 244(10):1123–5

[Gas exchange during physical exercise in disturbed ventilatory function] Feitová S, et al. **Vnitr Lek** 1981 May; 27(5):440–8 (Eng. Abstr.) **(Cze)**

[Study of respiratory dysrhythmia using thoracic impedance rheography] Nouailhat F, et al. **Agressologie** 1980; 21(B):49–61 (Eng. Abstr.) **(Fre)**

[Diagnosis of phrenic and diaphragmatic disorders (author's transl)] Estenne M, et al. **Rev Med Brux** 1981 Feb; 2(2):101–5 (Eng. Abstr.) **(Fre)**

[Physiopathology of lung development] Rendas AM. **Acta Med Port** 1979 May–Jun;1(3):367–88 (122 ref.) (Eng. Abstr.) **(Por)**

[Relation of the functional disorder of external respiration to cholinesterase deficiency in burn patients in the septicotoxemia stage] Grigor'ev MG, et al. **Ortop Travmatol Protez** 1980 Sep;(9):10–4 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Preoperative assessment of the high risk surgical patient. Hechtman HB, et al. **Surg Clin North Am** 1980 Dec; 60(6):1349–58

[Effect of bronchiolytics on respiratory mechanics in the postoperative period] Gologorskii VA, et al. **Anesteziol Reanimatol** 1981 Mar–Apr;(2):55–9 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Gas exchange problems in bilateral diaphragm paralysis. Loh L, et al. **Bull Eur Physiopathol Respir** 1979;15 Suppl:137–43

REHABILITATION

[Rehabilitation for respiratory diseases––pathophysiology of respiratory muscles (author's transl)] Konno K. **Kokyu To Junkan** 1981 Apr;29(4):375–80 **(Jpn)**

THERAPY

Incubation problem in a case of cystic hygroma complicated by a laryngotracheal haemangioma. Evans P. **Anaesthesia** 1981 Jul;36(7):696–8

Positive pressure ventilation and cranial volume in newborn infants. Milligan DW. **Arch Dis Child** 1981 May;56(5):331–5

Effect of tracheal suction on oxygenation, circulation, and lung mechanics in newborn infants. Simbruner G, et al. **Arch Dis Child** 1981 May;56(5):326–30

[Indications, experiences and results of internal medical intensive care] Thimme W, et al. **Intensivmed Prax** 1979; (2):1–10 **(Ger)**

[Correction of respiratory disorders by electric stimulation of various structures of the respiratory center] Iakunin VE, et al. **Biull Eksp Biol Med** 1981 Mar;91(3):286–8 (Eng. Abstr.) **(Rus)**

VETERINARY

The challenge of a dusty environment [editorial] **Equine Vet J** 1980 Oct;12(4):159

Respiratory symptoms in cats caused by paint fumes [letter] Formston C. **Vet Rec** 1981 Feb 21;108(8):172

Field evaluation of an intranasally administered canine parainfluenza–Bordetella bronchiseptica vaccine. Alkire LT, et al. **VM SAC** 1980 Jun;75(6):1003–5

Tracheal wash as a way to diagnose equine respiratory infection. Seals W. **VM SAC** 1980 Dec;75(12):1893–4

RESPIRATORS

Recent advantages in respiratory resuscitation. Boidin MP, et al. **Acta Anaesthesiol Belg** 1980;31 Suppl:113–6

Do moisture exchangers prevent patient contamination of ventilators? A microbiological study comparing two different humidifying devices. Stånge K, et al. **Acta Anaesthesiol Scand** 1980 Dec;24(6):487–90

Role of respiratory assistance devices in endemic nosocomial pneumonia. Cross AS, et al. **Am J Med** 1981 Mar; 70(3):681–5

Automatic ventilation with the Ayre's T–piece. A modification of the Nuffield Series 200 ventilator for neonatal and paediatric use. Newton NI, et al. **Anaesthesia** 1981 Jan;36(1):22–36

The Cape Bristol ventilator. Spontaneous respiration: the Bromsgrove Conversion. Scott PV. **Anaesthesia** 1980 Nov; 35(11):1094–9

Low frequency ventilation. The Bain breathing circuit with the Automatic–Vent and the Minivent. Spoerel WE. **Anaesthesia** 1980 Nov;35(11):1087–93

Volume ventilation systems fro infants. Bazaral MG. **Anesthesiology** 1981 Mar;54(3):240–5

Night ventilation by body respirators for patients in chronic respiratory failure due to late stage Duchenne muscular dystrophy. Curran FJ. **Arch Phys Med Rehabil** 1981 Jun; 62(6):270–4

Limits of high frequency percutaneous transtracheal jet ventilation using a fluidic logic controlled ventilator. Smith RB, et al. **Can Anaesth Soc J** 1980 Jul;27(4):351–6

Rebreathing and carbon dioxide elimination with the Bain circuit. Spoerel WE. **Can Anaesth Soc J** 1980 Jul; 27(4):357–62

Near fatal expiratory ventilator obstruction due to accidental misassembly of Bourns Bear I external flow transducer [letter] Carson SA, et al. **Chest** 1981 Mar;79(3):369–70

Iatrogenic intragastric 'foreign body' [letter] Stewart RD, et al. **Chest** 1981 Aug;80(2):244

Contamination rate of sterilized ventilators in an ICU. Comhaire A, et al. **Crit Care Med** 1981 Jul;9(7):546–8

Performance of neonatal ventilators: the effects of changes in resistance and compliance. Simbruner G, et al. **Crit Care Med** 1981 Jul;9(7):509–14

Due to recurring pulmonary emboli: failure to wean from a respirator. DiFilippo NM, et al. **IMJ** 1981 Feb; 159(2):104–6

Mechanical ventilators: principles of operation. Eross B, et al. **Int Anesthesiol Clin** 1980 Summer;18(2):23–37

Airless lungs caused by disconnected respirator. Lederman HM, et al. **J Can Assoc Radiol** 1981 Mar;32(1):54–5

Respirator toxicology. Bednarczyk LR, et al. **J Forensic Sci** 1981 Apr;26(2):373–80

Mean airway pressure calculation [letter] Dillard RG. **J Pediatr** 1980 Sep;97(3):506–7

Mean airway pressure calculations [letter] Marinelli PV. **J Pediatr** 1981 Jul;99(1):168–9

The airway mechanics of jet ventilation. Lyons D, et al. **Otolaryngol Head Neck Surg** 1981 May–Jun;89(3 Pt 1):364–9

Experimental studies of continuous positive–pressure ventilation and high–frequency positive–pressure ventilation. Borg U, et al. **Resuscitation** 1981 Mar;9(1):1–21

A simple continuous–flow system for EMO and OMV inhalers. Busato GA, et al. **Trop Doct** 1981 Apr;11(2):70–3

[Mechanical impedance of intubation systems in ventilated patients (author's transl)] Dixsaut G, et al. **Bull Eur Physiopathol Respir** 1980 Jul–Aug;16(4):545–54 (Eng. Abstr.) **(Fre)**

[Model of one–way respiratory valve with low resistance (author's transl)] Bréant J, et al. **Poumon Coeur** 1980 Sep–Oct;36(5):327–9 **(Fre)**

[Mechanics of breathing during anaesthesia with controlled ventilation by means of the engström ecs 2000 respirator (author's transl)] Osswald PM, et al. **Anaesth Intensivther Notfallmed** 1981 Feb;16(1):22–4 (Eng. Abstr.) **(Ger)**

[Computer evaluation of hemodynamic changes during mechanical ventilation with a body respirator] Schiavoni G, et al. **Minerva Med** 1980 Nov 14;71(45):3339–44 (Eng. Abstr.) **(Ita)**

[A new respiratory care, adaptive assisted ventilation (AAV) ––especially, about the weaning from respirator in the patient who cannot by weaned by IMV (author's transl)] Hino T, et al. **Kyobu Geka** 1981;34(1):5–14 (Eng. Abstr.) **(Jpn)**

[Disinfection of apparatus for inhalation anesthesia and artificial lung ventilation] Frosin VN, et al. **Med Tekh** 1981 May–Jun;(3):32–7 **(Rus)**

[Human oxygen supply during a high–altitude flight] Golovkin LG, et al. **Voen Med Zh** 1981;(7):50–1 **(Rus)**

[1st results obtained with the Monaghan 228 respirator in our respiratory care units] de las Mulas M, et al. **Rev Esp Anestesiol Reanim** 1980 Jan;27(1):73–89 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Pseudomonas fluorescens cross–infection due to contaminated humidifier water. Redding PJ, et al. **Br Med J** 1980 Jul 26;281(6235):275

Surgical problems in patients on ventilators. Aranha GV, et al. **Crit Care Med** 1981 Jun;9(6):478–80

[Intensive respiratory therapy. Radiological assessment of the effectiveness of function of the equipment and complications due to its use (author's transl)] Adamski M, et al. **Pol Przegl Radiol** 1980;44(6):411–7 (Eng. Abstr.) **(Pol)**

ECONOMICS

Bennett MA2B/cost considerations [letter] Rechtman I. **Anaesth Intensive Care** 1981 May;9(2):177–8

HISTORY

Historical survey of mechanical ventilation. Grenvik A, et al. **Int Anesthesiol Clin** 1980 Summer;18(2):1–10

INSTRUMENTATION

Misassembly of a Campbell ventilator causing leakage of the driving gas to a patient [letter] Love JB. **Anaesth Intensive Care** 1980 Aug;8(3):375–7

A funny yoke: tale of an unscrewed pin [letter] Youatt G, et al. **Anaesth Intensive Care** 1981 May;9(2):178

Error in a pipeline gas concentration: an unanticipated consequence of a defective check valve. Bageant RA, et al. **Anesthesiology** 1981 Feb;54(2):166–9

Differential lung ventilation with a modified ventilator. Popovich J Jr, et al. **Crit Care Med** 1981 Jun;9(6):490–3

Relation between respiratory valve dead space and tidal volume. Bradley PW, et al. **J Appl Physiol** 1980 Sep; 49(3):528–32

[The Roche 3100 ventilation system] Atinault A, et al. **Agressologie** 1980;21(1):59–68 **(Fre)**

[A new portable device for ventilatory support (author's transl)] Hartenauer U. **Anaesth Intensivther Notfallmed** 1980 Aug;15(4):367–9 (Eng. Abstr.) **(Ger)**

[The Oxylog––a new ventilator for mobile use (author's transl)] Hartung HJ, et al. **Anaesth Intensivther Notfallmed** 1980 Jun;15(3):252–4 (Eng. Abstr.) **(Ger)**

[Servo–ventilator 900 B with modified registration site for measuring the ventilation pressure. A possibility for reducing the inspiratory resistance during SIMV (author's transl)] Link J, et al. **Anaesthesist** 1981 Apr;30(4):210–2 (Eng. Abstr.) **(Ger)**

[Simple alterations in the established Draeger–assistor–respirators for modern technics in artificial respiration and standardized sterile respirators] Lang VO. **Intensivmed Prax** 1979;(2):11–23 **(Ger)**

[Successful pulmonary gas exchange using a loudspeaker–ventilator (author's transl)] Suwa K, et al. **Masui** 1981 Jan;30(1):9–13 (Eng. Abstr.) **(Jpn)**

STANDARDS

Paint spray tests for respirators: aerosol characteristics. Ackley MW. **Am Ind Hyg Assoc J** 1980 May;41(5):309–16

Failure of the pin index system on a Cape Waine ventilator [letter] MacMillan RR, et al. **Anaesthesia** 1981 Mar; 36(3):334–5

Portable lung ventilators. Gray AJ. **Br J Hosp Med** 1981 Feb;25(2):173, 175–8

Health care technology standards. Part 2: Anaesthetic equipment and respiratory technology. Walker TW. **Dimens Health Serv** 1980 Oct;57(10):27–8

[A clinical study of co2–elimination using a modified bain–system (author's transl)] Ohmann C, et al. **Anaesth Intensivther Notfallmed** 1981 Feb;16(1):25–31 (Eng. Abstr.) **(Ger)**

VETERINARY

Mechanical ventilation of the anesthetized horse. Steffey EP. **Vet Clin North Am [Large Anim Pract]** 1981 May; 3(1):97–110 (33 ref.)

RESPIRATORY ACIDOSIS see **ACIDOSIS, RESPIRATORY**

RESPIRATORY AIRFLOW

Computer–aided rhinometry. A research rhinometer for clinical trial. Cole P, et al. **Acta Otolaryngol (Stockh)** 1980; 90(1–2):139–42

Quantitative evaluation of nasal airflow in relation to facial morphology. Vig PS, et al. **Am J Orthod** 1981 Mar; 79(3):263–72

Relationship between sites of airflow limitation and severity of chronic airflow obstruction. Fairshter RD, et al. **Am Rev Respir Dis** 1981 Jan;123(1):3–7

Structure and function in tracheal stenosis. Gamsu G, et al. **Am Rev Respir Dis** 1980 Mar;121(3):519–31

Respiratory flow–resistive load compensation during sleep. Santiago TV, et al. **Am Rev Respir Dis** 1981 Apr;123(4 Pt 1):382–7

Laryngomalacia and inspiratory obstruction in later childhood. Smith GJ, et al. **Arch Dis Child** 1981 May; 56(5):345–9

The lateralization percentage as a measure of nasal flow asymmetry in active anterior rhinomanometry. Postema CA, et al. **Clin Otolaryngol** 1980 Jun;5(3):165–70

Detection and interaction of elastic and flow-resistive respiratory loads in man. Shahid SU, et al. **Clin Sci** 1981 Sep;61(3):339–43

Methods of evaluation of expectorants and mucolytics--measurement of lung function. Bake B. **Eur J Respir Dis [Suppl]** 1980;61(110):209–16

The response of asthmatic patients and normal subjects to maximum respiratory manoeuvres. Spirometry--induced bronchoconstriction. Mackay AD, et al. **Eur J Respir Dis [Suppl]** 1980;Suppl 106:35–40

Serial distribution of airway geometry from acoustic impedance data. Jackson AC. **Fed Proc** 1980 Aug; 39(10):2741–6

A comparative model study of respiratory period prediction on men exercising while wearing masks. Johnson AT, et al. **IEEE Trans Biomed Eng** 1980 Aug;27(8):430–9

Pulmonary mechanisms and work of breathing at maximal ventilation and raised air pressure. Hesser CM, et al. **J Appl Physiol** 1981 Apr;50(4):747–53

Relation between flow, curvilinearity, and density dependence of pulmonary pressure-flow curves. Lisboa C, et al. **J Appl Physiol** 1980 May;48(5):878–85

Correlation of airway resistance with forced random noise resistance parameters. Pimmel RL, et al. **J Appl Physiol** 1981 Jul;51(1):33–9

Pressure-induced deformation in immature airways. Bhutani VK, et al. **Pediatr Res** 1981 May;15(5):829–32

Activating effect of nasal air flow on epileptic electrographic abnormalities in the human EEG. Evidence for the reflect origin of the phenomenon. Krištof M, et al. **Physiol Bohemoslov** 1981;30(1):73–7

Cranio-caudal rib cage distortion with increasing inspiratory airflow in man. D'Angelo E. **Respir Physiol** 1981 May; 44(2):215–37

Airflow in the avian respiratory tract: variations of O2 and CO2 concentrations in the bronchi of the duck. Powell FL, et al. **Respir Physiol** 1981 May;44(2):195–213

Reply to the comment on 'Perceived odor intensity as a function of air flow through the nose'. Rehn T. **Sens Processes** 1979 Sep;3(3):286–8

Streamlining of air flow in the upper airways and trachea. Marshall R, et al. **Thorax** 1980 Jul;35(7):543–5

Reproducibility of the flow-volume loop [letter] Shaw A, et al. **Thorax** 1980 Jun;35(6):480

[Respiration after propranolol in patients with ischaemic heart disease (author's transl)] Jebavý P, et al. **Cas Lek Cesk** 1980 Aug 29;119(35):946–50 (Eng. Abstr.) **(Cze)**

[Functional and esthetic considerations in old age. Rhinoplasty as a preventive measure] Flemming I. **MMW** 1981 Jul 17;123(29–30):1177–9 **(Ger)**

[Pressure and airflow in the upper respiratory tract of horses with partial obstructions] Speirs VC, et al. **Schweiz Arch Tierheilkd** 1981 Jun;123(6):293–304 (Eng. Abstr.) **(Ger)**

[A new method for the measurement of regional lung ventilation] Köhler D, et al. **Schweiz Med Wochenschr** 1980 Dec 6;110(49):1864–7 (Eng. Abstr.) **(Ger)**

[Responses of the respiratory system to changes in gas density at different inspiratory flow rates] Breslav IS, et al. **Kosm Biol Aviakosm Med** 1980 Nov-Dec;14(6):64–7 (Eng. Abstr.) **(Rus)**

[The significance of capnographic measurements compared to the values of other parameters in the evaluation of airway obstruction (author's transl)] Krivokapić N, et al. **Plucne Bolesti Tuberk** 1981 Jan-Mar;33(1):55–61 (Eng. Abstr.) **(Scr)**

DRUG EFFECTS

Effects of 0.75ppm sulfur dioxide on pulmonary function parameters of normal human subjects. Stacy RW, et al. **Arch Environ Health** 1981 Jul-Aug;36(4):172–8

Influence of halothane and enflurane on respiratory airflow resistance and specific conductance in anaesthetized man. Lehane JR, et al. **Br J Anaesth** 1980 Aug;52(8):773–81

A purified extract from cotton bracts induces airway constriction in humans. Buck MG, et al. **Chest** 1981 Apr; 79(4 Suppl):43S–49S

Adverse effect of propranolol on airway function in nonasthmatic chronic obstructive lung disease. Chester EH, et al. **Chest** 1981 May;79(5):540–4

Influence of the depth of anaesthesia on the peripheral and central ventilatory CO2 sensitivity during hyperoxia. Heeringa J, et al. **Respir Physiol** 1980 Sep;41(3):333–47

METHODS

IPPB, SMI, gloves: good or bad? [letter] Welch MA Jr. **Chest** 1981 May;79(5):615–6

RESPIRATORY ALKALOSIS see **ALKALOSIS, RESPIRATORY**

RESPIRATORY CARE UNITS

Deep venous thrombosis and pulmonary embolism. Frequency in a respiratory intensive care unit. Moser KM, et al. **JAMA** 1981 Sep 25;246(13):1422–4

Comprehensive respiratory care for patients with chronic obstructive pulmonary disease. Hudson LD, et al. **Med Clin North Am** 1981 May;65(3):629–45 (70 ref.)

[1st results obtained with the Monaghan 228 respirator in our respiratory care units] de las Mulas M, et al. **Rev Esp Anestesiol Reanim** 1980 Jan;27(1):73–89 (Eng. Abstr.) **(Spa)**

TRENDS

[Respiratory management and RCU: present status and problems] Haga T. **Nippon Rinsho** 1980;38(4):1980–9 (75 ref.) **(Jpn)**

RESPIRATORY CENTER

[Correction of respiratory disorders by electric stimulation of various structures of the respiratory center] Iakunin VE, et al. **Biull Eksp Biol Med** 1981 Mar;91(3):286–8 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Neurohistochemical methods in tracing central respiratory mechanisms. Kalia M. **Fed Proc** 1981 Jul;40(9):2365–71

Where are the real respiratory neurons? Merrill EG. **Fed Proc** 1981 Jul;40(9):2389–94

Topology of ascending brainstem projections to nucleus parabrachialis in the cat. King GW. **J Comp Neurol** 1980 Jun 15;191(4):615–38

CYTOLOGY

Effects of reversible elimination of some bulbar structures on the generation of respiratory pattern in rabbits. Gromysz H, et al. **Acta Neurobiol Exp (Warsz)** 1980;40(2):507–14

DRUG EFFECTS

Pharmacologic study of respiratory afterdischarge. Millhorn DE, et al. **J Appl Physiol** 1981 Feb;50(2):239–44

PHYSIOLOGY

Inhibitory action of vagal nerve and spinal cord afferents on discharge pattern of bulbar respiratory modulated neurons. Dinse HR, et al. **Arch Ital Biol** 1980 Jul; 118(3):287–302

Electrophysiological demonstration of the projection from expiratory neurones in rostral medulla to contralateral dorsal respiratory group. Lipski J, et al. **Brain Res** 1980 Sep 22;197(2):521–4

Response of the dorsomedial respiratory neurons of cats to changes in lung volume. Bowden ES, et al. **Exp Neurol** 1980 Aug;69(2):334–48

Properties of medullary respiratory neurons. Berger AJ. **Fed Proc** 1981 Jul;40(9):2378–83

How is respiratory rhythm generated? Cohen MI. **Fed Proc** 1981 Jul;40(9):2372–7

Interactions between brainstem respiratory neurons. Feldman JL. **Fed Proc** 1981 Jul;40(9):2384–8

Central respiratory rhythmicity. Introductory remarks. Kalia M. **Fed Proc** 1981 Jul;40(9):2363–4

A characterization of the respiratory pattern of gasping. St. John WM, et al. **J Appl Physiol** 1981 May;50(5):984–93

Comparison of phrenic motoneuron activity during eupnea and gasping. St. John WM, et al. **J Appl Physiol** 1981 May; 50(5):994–8

Neuronal mechanisms of respiration in REM sleep. Orem J. **Sleep** 1980;3(3–4):251–67

[Mechanism of rhythmic breathing during hypocapnia] Frankshtein SI, et al. **Biull Eksp Biol Med** 1980 JUL; 89(7):6–7 (Eng. Abstr.) **(Rus)**

[Biological significance of physiologic hypoxemia] Frankshtein SI, et al. **Biull Eksp Biol Med** 1981 Mar; 91(3):263–5 (Eng. Abstr.) **(Rus)**

[Reciprocal connections of respiratory center nuclei] Sergievskii MV, et al. **Biull Eksp Biol Med** 1980 Dec; 90(12):652–4 (Eng. Abstr.) **(Rus)**

[Effect of a hyperbaric nitrogen-oxygen atmosphere on respiratory center activity] Breslav IS, et al. **Kosm Biol Aviakosm Med** 1981 Jan-Feb;15(1):88–9 (Eng. Abstr.) **(Rus)**

[Changes in the excitability of central endings of the superior laryngeal nerve following activation of the respiratory center] Baev KV, et al. **Neirofiziologiia** 1980;12(6):653–5 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Activity of bulbar respiratory modulated neurons and restart of respiration after hypocapnic apnea in rabbits. Fallert M, et al. **Experientia** 1980 Aug 15;36(8):981–4

Study of the validity of the collision test. Application to the bulbo-spinal respiratory neurons. Barillot JC, et al. **J Physiol (Paris)** 1980;76(8):845–58

[Neurophysiologic mechanisms of certain pathologic forms of respiration] Losev NI, et al. **Patol Fiziol Eksp Ter** 1980 Nov-Dec;(6):16–20 (Eng. Abstr.) **(Rus)**

RESPIRATORY DEAD SPACE

The concept of deadspace with special reference to the single breath test for carbon dioxide. Fletcher R, et al. **Br J Anaesth** 1981 Jan;53(1):77–88

A computer program for calculating respiratory anatomic dead space. Rickaby DA, et al. **Int J Biomed Comput** 1981 Mar;12(2):125–38

Relation between respiratory valve dead space and tidal volume. Bradley PW, et al. **J Appl Physiol** 1980 Sep; 49(3):528–32

Measurement of dead space ventilation using a pHa servo-controlled ventilator. Coon RL, et al. **J Appl Physiol** 1981 Jul;51(1):154–9

On-line computation of dead space and nitrogen clearance curve. Bres M. **Respiration** 1980;39(4):213–8

DRUG EFFECTS

Anatomical dead space and airway resistance after glycopyrrolate or atropine premedication. Gotta AW, et al. **Can Anaesth Soc J** 1981 Jan;28(1):51–4

Intrapulmonary gas mixing in man during infusion of isoproterenol studied by simultaneous wash-out of He and SF6. Worth H, et al. **Lung** 1980;158(4):241–50

RESPIRATORY DISTRESS SYNDROME

see related
HYALINE MEMBRANE DISEASE

[Syndrome caused by surfactant deficiency and ventilatory dysfunction in the newborn infant. Clinico-radiological diagnostic problems] Bona G, et al. **Minerva Pediatr** 1981 Feb 15;33(3):117–26 (Eng. Abstr.) **(Ita)**

BLOOD

Selenium in premature infants. Amin S, et al. **Nutr Metab** 1980;24(5):331–40

Circulating prostaglandin E2 concentrations and incidence of patent ductus arteriosus in preterm infants with respiratory distress syndrome. Clyman RI, et al. **Pediatrics** 1980 Nov;66(5):725–9

[Significance of oxygen tension in arterialized capillary blood in intensive care of newborn infants] Hencz P, et al. **Orv Hetil** 1981 May 24;122(21):1261–2 **(Hun)**

[Thyroxine concentration in the whole blood of premature and postmature infants and in infants with respiratory distress syndrome] Pisarek-Miedzińska D, et al. **Ginekol Pol** 1980 Jul;51(7):613–7 (Eng. Abstr.) **(Pol)**

CHEMICALLY INDUCED

Neonatal depression after obstetrical analgesia with pethidine. The role of the injection-delivery time interval and of the plasma concentrations of pethidine and norpethidine. Belfrage P, et al. **Acta Obstet Gynecol Scand** 1981; 60(1):43–9

[Lung changes after paraquat as an experimental model of the respiratory distress in the newborn and diffuse interstitial fibrosis of the lung] Haškovcova I, et al. **Sb Lek** 1981 Mar;83(2–3):82–6 (Eng. Abstr.) **(Cze)**

CLASSIFICATION

Newborn tracheal aspirate cytology: classification during respiratory distress syndrome and bronchopulmonary dysplasia. Merritt TA, et al. **J Pediatr** 1981 Jun; 98(6):949–56

COMPLICATIONS

Subvisceral pleural air in neonates with respiratory distress. Ivey HH, et al. **Am J Dis Child** 1981 Jun;135(6):544–6

Curare in the treatment of pulmonary hypertension as it occurs in the idiopathic respiratory distress syndrome. Hutchson AA, et al. **Aust Paediatr J** 1980 Jun;16(2):94–100

[Persistent interstitial pulmonary emphysema (author's transl)] Bachy A, et al. **Ann Pediatr (Paris)** 1979 Nov; 26(9):612–20 (Eng. Abstr.) **(Fre)**

[Ductus ligation in idiopathic respiratory distress syndrome of the premature infant] Beitzke A, et al. **Helv Paediatr Acta** 1980 Oct;35(5):459–70 (Eng. Abstr.) **(Ger)**

[Neonatal pseudomonas aeruginosa sepsis. Unusual complications of a disease] Korányi G, et al. **Orv Hetil** 1980 Nov 30;121(48):2923–7 **(Hun)**

[Spontaneous bilateral chylothorax and persistent jaundice in 1 of 2 pre-term twins] Priolisi A, et al. **Minerva Pediatr** 1980 Oct 31;32(20):1195–9 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Prediction of fetal pulmonary maturity from amniotic fluid obtained from the vagina after premature rupture of the membranes. A patient treated with dexamethasone. Isherwood DM, et al. **Acta Obstet Gynecol Scand** 1981; 60(1):83–5

Value of the gastric aspirate shake test. Smith ML, et al. **Arch Dis Child** 1981 Mar;56(3):230–1

Amniotic fluid phospholipid profile determined by two-dimensional thin-layer chromatography as index of fetal lung maturation. Whittle MJ, et al. **Br Med J [Clin Res]** 1981 Feb 7;282(6262):428–30

Detection of neonatal respiratory distress on the basis of fluorescence polarization (microviscosity) measurements of amniotic fluid: a word of caution [letter] Gebhardt DO.

Clin Chem 1980 Oct;26(11):1629

An investigation of the reliability of assessing foetal lung development from amniotic fluid palmitate concentrations in pregnancies complicated by maternal diabetes. McMurray JA, et al. **Clin Chim Acta** 1980 Nov 6; 107(3):257–60

The effect of transcutaneous Po2 monitoring on the frequency of arterial blood gas analysis in the newborn with respiratory distress. Beachy P, et al. **Crit Care Med** 1981 Aug;9(8):584–6

A method of estimating the functional residual capacity of infants with respiratory distress syndrome. Richardson P, et al. **Crit Care Med** 1980 Nov;8(11):667–70

Functional residual capacity and severity of respiratory distress syndrome in infants. Richardson P, et al. **Crit Care Med** 1980 Nov;8(11):637–40

Studies on the modified foam stability test. Effects of blood and meconium and comparison with Clements' shake test. Hirahara F, et al. **Diagn Gynecol Obstet** 1981 Spring; 3(1):9–14

Prediction of the respiratory distress syndrome by the shake test on gastric aspirate. Curnock DA, et al. **East Afr Med J** 1980 Nov;57(11):764–8

A simple objective system for early recognition of overwhelming neonatal respiratory distress. Cimma R, et al. **J Pediatr Surg** 1980 Aug;15(4):581–5

A new test–combination for the enzymatic determination of fetal lung maturity. Kynast G, et al. **J Perinat Med** 1981; 9(2):101–4

Obstetric factors affecting risk of respiratory distress syndrome. Taeusch HW Jr, et al. **Mead Johnson Symp Perinat Dev Med** 1980;(15):48–55 (58 ref.)

Relationship of amniotic fluid lecithin concentration to incidence of respiratory distress; determination by foam stability test with amniotic fluid phosphatidyl glycerol and creatinine as additional indexes of fetal pulmonary maturation. Ayromlooi J, et al. **NY State J Med** 1980 Aug; 80(9):1381–4

Evaluation of the small third–trimester fetus using the foam stability index test. Sher G, et al. **Obstet Gynecol** 1981 Sep; 58(3):314–8

Single step gastric aspirate shake test as a screening procedure for predicting the risk of neonatal respiratory distress. Tjandra H, et al. **Paediatr Indones** 1981 Mar–Apr; 21(3–4):69–80

[Interest of echocardiography for the diagnosis and survey of hemodynamic disorders in fetal distress.] Monin P, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(2):225–7 (Eng. Abstr.) **(Fre)**

[Prenatal diagnosis and prevention of respiratory distress syndrome] Diedrich K, et al. **Fortschr Med** 1980 Jul 3; 98(25):970–2 **(Ger)**

[Is spectrophotometric analysis of the amniotic fluid a simple method for the determination of fetal pulmonary maturity? (author's transl)] Goeschen K, et al. **Geburtshilfe Frauenheilkd** 1980 Sep;40(9):813–7 (Eng. Abstr.) **(Ger)**

[Clinical differentiation between idiopathic respiratory distress, neonatal septicemia caused by group B streptococci and septicemia caused by other pathogens (author's transl)] Roos R, et al. **Infection** 1980;8 Suppl 3:321–6 (Eng. Abstr.) **(Ger)**

[Chest X–ray versus static respiratory compliance in the assessment of the severity of pulmonary disease in infants with the respiratory distress syndrome (author's transl)] Coradello H, et al. **Klin Paediatr** 1981 Jan;193(1):50–2 (Eng. Abstr.) **(Ger)**

[The compliance of the respiratory system in healthy and respiratory ill newborns after birth and its prognostic value for ventilatory support (author's transl)] Simbruner G, et al. **Klin Paediatr** 1980 Sep;192(5):415–8 (Eng. Abstr.) **(Ger)**

[Evaluation of P/S ratio and surface–tension measurements in amniotic fluid for prediction of pulmonary fetal maturity (author's transl)] Salzer H, et al. **Wien Klin Wochenschr [Suppl]** 1980 Aug 29;92(16):578–82 (Eng. Abstr.) **(Ger)**

[Comparison of the surface tension of the amniotic fluid with the compliance of the respiratory system of the newborn (author's transl)] Salzer H, et al. **Wien Med Wochenschr** 1980 Sep 30;130(18):602–5 (Eng. Abstr.) **(Ger)**

[Pulmonary function of the newborn and surfactant level of amniotic fluid, following induced labour and spontaneous onset of labour (author's transl)] Husslein P, et al. **Zentralbl Gynaekol** 1980;102(16):922–6 (Eng. Abstr.) **(Ger)**

[Value of the foam stability test of amniotic fluid for suspected neonatal respiratory syndrome] Colombo ML, et al. **Minerva Pediatr** 1980 May 15;32(9):589–94 (Eng. Abstr.) **(Ita)**

[Clinico–radiological analysis of 499 cases of the idiopathic respiratory syndrome of the newborn] Riboni G, et al. **Minerva Pediatr** 1981 Jul 15;33(13):647–57 (Eng. Abstr.) **(Ita)**

[Respiratory distress syndrome complicated by patent ductus arteriosus in a newborn infant] Grzywna W, et al. **Pediatr Pol** 1980 Aug;55(8):975–7 **(Pol)**

[Patent ductus arteriosus and the respiratory disorder syndrome in premature newborn infants] Tatochenko ZA, et al. **Pediatriia** 1981 Feb;(2):31–5 (Eng. Abstr.) **(Rus)**

[Lecithin/sphingomyelin ratio, lecithin phosphorus and phosphatidyl glycerol in amniotic fluid. Correlation with idiopathic respiratory insufficiency syndrome] Lerdo de Tejada A, et al. **Ginecol Obstet Mex** 1980 Dec; 48(290):365–72 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Furosemide use in premature infants and appearance of patent ductus arteriosus. Green TP, et al. **Am J Dis Child** 1981 Mar;135(3):239–43

Sequential treatments of premature lambs with an artificial surfactant and natural surfactant. Ikegami M, et al. **J Clin Invest** 1981 Aug;68(2):491–6

Late morbidity among survivors of respiratory failure treated with tolazoline. Cohen RS, et al. **J Pediatr** 1980 Oct; 97(4):644–7

Acute effects of albumin infusion on blood volume and renal function in premature infants with respiratory distress syndrome. Lay KS, et al. **J Pediatr** 1980 Oct;97(4):619–23

Artificial lung surfactant and prematurity [letter] Ikegami M. **Lancet** 1981 Feb 14;1(8216):379–80

Relationship of sodium bicarbonate to intraventricular hemorrhage in premature infants with respiratory distress syndrome. Reichert EM, et al. **Nurs Res** 1980 Nov–Dec; 29(6):357–61

Depressed T cells following neonatal steroid treatment. Gunn T, et al. **Pediatrics** 1981 Jan;67(1):61–7

ECONOMICS

Survival, cost of hospitalization, and prognosis in infants critically ill with respiratory distress syndrome requiring mechanical ventilation. Shannon DC, et al. **Crit Care Med** 1981 Feb;9(2):94–7

ETIOLOGY

Respiratory distress and neonatal mortality in infants of diabetic and prediabetic mothers. Allen RD, et al. **Acta Diabetol Lat** 1981 Apr–Jun;18(2):101–6

Respiratory distress associated with elective repeat cesarean section. A two–year experience in one medical community. Schreiner RL, et al. **Acta Obstet Gynecol Scand** 1981; 60(3):261–4

Incidence of the respiratory distress syndrome in infants of diabetic mothers—perinatal influences. Bye A, et al. **Aust NZ J Obstet Gynaecol** 1980 May;20(2):99–102

Contribution of PDA to RDS [letter] Daniëls O, et al. **J Pediatr** 1980 Sep;97(3):514–5

Management of diaphragmatic paralysis in infants with special emphasis on selection of patients for operative plication. Haller JA Jr, et al. **J Pediatr Surg** 1979 Dec; 14(6):779–85

Intrapericardial teratoma—neonatal cardiorespiratory distress amenable to surgery. Zerella JT, et al. **J Pediatr Surg** 1980 Dec;15(6):961–3

Respiratory distress syndrome: a disease of the fetal brain and fetal lung. Lourie H, et al. **Neurosurgery** 1980 Nov; 7(5):469–71

Cesarean section indication and the risk of respiratory distress syndrome. Goldberg JD, et al. **Obstet Gynecol** 1981 Jan; 57(1):30–2

[Laboratory diagnosis of hyaline membrane disease and amniotic fluid inhalation. A study of 100 neonates with respiratory distress] Dehan M, et al. **Arch Fr Pediatr** 1979 Nov;36(9):886–93 (Eng. Abstr.) **(Fre)**

[The influence of premature rupture of the membranes on fetal lung maturity (author's transl)] Salzer H, et al. **Wien Med Wochenschr** 1981;131(8):205–8 (Eng. Abstr.) **(Ger)**

[Indomethacin and persistent ductus arteriosus in the pre–term newborn infant with respiratory insufficiency] Hurtado del Rio D, et al. **Arch Inst Cardiol Mex** 1981 Jan–Feb; 51(1):83–8 (Eng. Abstr.) **(Spa)**

METABOLISM

Amniotic fluid phospholipid profile [letter] James D, et al. **Br Med J [Clin Res]** 1981 Mar 21;282(6268):994

Severity of respiratory distress syndrome with low lecithin: sphingomyelin ratio. Herbert WN, et al. **Obstet Gynecol** 1981 Apr;57(4):426–30

[Clinical importance of studying the phospholipids of the pharyngeal aspirates of newborn infants with a respiratory disorder syndrome] Vel'tishchev IuE, et al. **Vopr Okhr Materin Det** 1980 Aug;25(8):3–7 (Eng. Abstr.) **(Rus)**

MORTALITY

Respiratory distress in newborn infants: contribution to current mortality. Carolane DJ, et al. **Med J Aust** 1981 May 30;1(11):569–70

OCCURRENCE

Incidence of idiopathic respiratory distress syndrome during the last ten years. Amiel–Tison C, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Feb;11(4):263–72

The incidence of the respiratory distress syndrome: with particular reference to developing countries. Coulter JB. **Trop Geogr Med** 1980 Dec;32(4):277–85

PHYSIOPATHOLOGY

The 'immature lung' and RDS [letter] Fletcher BD, et al. **AJR** 1981 Apr;136(4):840–1

The usefulness of electroencephalography in curarized newborns. Staudt F, et al. **Electroencephalogr Clin Neurophysiol** 1981 Feb;51(2):205–8

Thyroid function studies in cord blood from premature infants with and without RDS. Klein AH, et al. **J Pediatr** 1981 May;98(5):818–20

The diuretic phase of respiratory distress syndrome and its relationship to oxygenation. Langman CB, et al. **J Pediatr** 1981 Mar;98(3):462–6

PREVENTION & CONTROL

Effect of steroid prophylaxis and of elective caesarean section on maternal and fetal cortisol values. Veszelovszky I, et al. **Acta Med Acad Sci Hung** 1980;37(4):365–72

Betamethasone in prevention of respiratory distress syndrome [letter] Perkins RP. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 1):840–2

Management of preterm premature rupture of membranes: assessing amniotic fluid in the vagina for phosphatidylglycerol. Stedman CM, et al. **Am J Obstet Gynecol** 1981 May 1;140(1):34–8

Intravenous dexamethasone for prevention of neonatal respiratory distress: A prospective controlled study. Young BK, et al. **Am J Obstet Gynecol** 1980 Sep 15;138(2):203–9

An analysis of the factors associated with respiratory distress syndrome in premature infants whose mothers had been given dexamethasone therapy. Caspi E, et al. **Br J Obstet Gynaecol** 1980 Sep;87(9):808–13

Blood pressure response in hypertensive pregnancies treated with cortisol. Iams JD, et al. **Clin Exp Hypertens** 1980; 2(5):923–32

Corticosteroids can prevent neonatal respiratory distress syndrome. **Drug Ther Bull** 1980 Dec 19;18(26):101–2

Glucocorticoids in prevention of respiratory distress syndrome. Ballard PL, et al. **Hosp Pract** 1980 Sep; 15(9):81–7

Putting prematurity into perspective [editorial] Gluck L. **Hosp Pract** 1980 Sep;15(9):10, 15

Fetal sex and prenatal betamethasone therapy. Ballard PL, et al. **J Pediatr** 1980 Sep;97(3):451–4

Dry artificial lung surfactant and its effect on very premature babies. Morley CJ, et al. **Lancet** 1981 Jan 10;1(8211):64–8

RDS—an iatrogenic preventable disease? Shaffer K. **Nebr Med J** 1980 Nov;65(11):295

Dexamethasone for prevention of respiratory distress syndrome: multiple perinatal factors. Caspi E, et al. **Obstet Gynecol** 1981 Jan;57(1):41–7

Effect of corticosteroids and fetomaternal disorders on the L:S ratio. Morrison JC, et al. **Obstet Gynecol** 1980 Nov; 56(5):583–90

The quantity of natural surfactant necessary to prevent the respiratory distress syndrome in premature lambs. Ikegami M, et al. **Pediatr Res** 1980 Sep;14(9):1082–5

Artificial surfactant to prevent and treat neonatal respiratory distress syndrome. Enhorning G. **Pediatrics** 1980 Nov; 66(5):799–800

Incidence of respiratory distress syndrome following antenatal betamethasone: role of sex, type of delivery, and prolonged rupture of membranes. Papageorgiou AN, et al. **Pediatrics** 1981 May;67(5):614–7

[Prevention of the respiratory distress syndrome with glucocorticoids] Schroeder M, et al. **Akush Ginekol (Sofiia)** 1980;19(5–6):427–31 **(Bul)**

[Prevention of neonatal respiratory distress syndrome using a rapid surfactant test] Khrouf M, et al. **Tunis Med** 1980 May–Jun;58(3):510–2 (Eng. Abstr.) **(Fre)**

[The success and complications of antenatal corticosteroid treatment to improve pulmonary maturity: a question of the dosage? (author's transl)] Goeschen K, et al. **Geburtshilfe Frauenheilkd** 1981 Jan;41(1):42–4 (Eng. Abstr.) **(Ger)**

[Programmed labor. Can RDS be prevented even after amniotomy? (author's transl)] Husslein P, et al. **Z Geburtshilfe Perinatol** 1980 Apr;184(2):123–7 (Eng. Abstr.) **(Ger)**

[Dexamethasone for prophylaxis against respiratory distress syndrome – progress report (author's transl)] Schröder M, et al. **Zentralbl Gynaekol** 1981;103(7):410–6 (Eng. Abstr.) **(Ger)**

[Antenatal ethanol–fructose infusions for the prevention of respiratory distress syndrome (letter)] Wauer RR. **Zentralbl Gynaekol** 1981;103(7):417–9 **(Ger)**

[Psychological and neurosomatic follow–up studies of children of mothers treated with dexamethasone] Veszelovszky I, et al. **Orv Hetil** 1981 Mar 15; 122(11):629–31 **(Hun)**

PSYCHOLOGY

My baby was premature. Iyer P. **JOGN Nurs** 1981 Jul–Aug; 10(4):304–7

RADIOGRAPHY

Respiratory distress syndrome (hyaline membrane disease). Ablow RC. **CRC Crit Rev Diagn Imaging** 1981;14(4):321–63 (123 ref.)

Patterns of evolution of X–ray changes in respiratory distress syndrome. Cleveland RH, et al. **Helv Paediatr Acta** 1981 Feb;36(1):43–53

Streptococcal pneumonia in neonatal respiratory distress [letter] Wyman ML, et al. **JAMA** 1980 Nov 7;244(18):2046

Sternal depression simulating mediastinal emphysema in neonates with respiratory distress. Bowen A, et al. **Radiology** 1981 Jun;139(3):599–601

[X-ray diagnosis of wet lung disease––transient respiratory distress of the newborn (author's transl)] Yao QH. **Chung Hua Fang She Hsueh Tsa Chih** 1980;14(1):1–5 **(Chi)**

[Necrotizing enterocolitis and Wilson–Mikity syndrome (author's transl)] Oba S. **Rinsho Hoshasen** 1981 Jan; 26(1):171–2 **(Jpn)**

RADIONUCLIDE IMAGING

Preliminary report. Gamma camera detection of oleic acid alveolar–capillary albumin leak. Sugerman HJ, et al. **J Surg Res** 1980 Jul;29(1):93–9

SURGERY

Diagnosis and management of pulmonary insufficiency. Alexander JA, et al. **Surg Clin North Am** 1980 Aug; 60(4):983–1001 (47 ref.)

THERAPY

Histopathological study of the adverse effects of prolonged respiratory therapy on the neonate lung. Takemura T. **Acta Pathol Jpn** 1981 Mar;31(2):199–210

Nasal deformities in neonates. Their occurrence in those treated with nasal continuous positive airway pressure and nasal endotracheal tubes. Gowdar K, et al. **Am J Dis Child** 1980 Oct;134(10):954–7

Fluid administration and bronchopulmonary dysplasia. The lack of an association. Spahr RC, et al. **Am J Dis Child** 1980 Oct;134(10):958–60

Techniques of physiotherapy in intubated babies with the respiratory distress syndrome. Tudehope DI, et al. **Aust Paediatr J** 1980 Dec;16(4):226–8

Effect of positive end–expiratory pressure on dynamic respiratory compliance in neonates. Philips JB 3d, et al. **Biol Neonate** 1980;38(5–6):270–5

Monitoring radiant power in the critically ill newborn under a radiant warmer. Baumgart S, et al. **Crit Care Med** 1980 Dec;8(12):721–4

The effect of continuous positive airway pressure on the course of respiratory distress syndrome: the benefits on early initiation. Hegyi T, et al. **Crit Care Med** 1981 Jan; 9(1):38–41

Nondirectional, lightweight 'PEEP' adaptor for the transportaion of critically ill neonates and infants. Miyasaka K, et al. **Crit Care Med** 1980 Jul;8(7):400–2

Early onset group B streptococcus neonatal septicemia and respiratory distress syndrome: characteristic features of assisted ventilation in the first 24 hours of life. Modanlou HD, et al. **Crit Care Med** 1980 Dec;8(12):716–20

Clinical concepts in the management of the respiratory distress syndrome in the neonate. Ash K, et al. **Hawaii Med J** 1980 Jul;39(7):163–9

Artificial ventilation in severe IRDS using inspiratory plateau, prolonged expiratory time and low frequency. Müller WD, et al. **Helv Paediatr Acta** 1980 Oct; 35(5):449–58

Early development: intermittent mandatory ventilation in neonatal respiratory support. deLemos RA, et al. **Int Anesthesiol Clin** 1980 Summer;18(2):39–51 (15 ref.)

Duration and characteristics of treatment of premature lambs with natural surfactant. Jobe A, et al. **J Clin Invest** 1981 Feb;67(2):370–5

Complications of parturition: potential benefits of prenatal transport. Stevens DC, et al. **J Indiana State Med Assoc** 1980 Jul;73(7):474–5

Treatment of RDS by high–frequency oscillatory ventilation: a preliminary report. Marchak BE, et al. **J Pediatr** 1981 Aug;99(2):287–92

Maximum diuresis––a factor in predicting recovery from respiratory distress syndrome and the development of bronchopulmonary dysplasia. Spitzer AR, et al. **J Pediatr** 1981 Mar;98(3):476–9

Respiratory paralysis to improve oxygenation and mortality in large newborn infants with respiratory distress. Henry GW, et al. **J Pediatr Surg** 1979 Dec;14(6):761–7

Adult respiratory distress syndrome: physiologic basis of treatment. Hurewitz A, et al. **Med Clin North Am** 1981 Jan;65(1):33–51

The newborn oxygram: automated processing of transcutaneous oxygen data. Horbar JD, et al. **Pediatrics** 1980 Dec;66(6):848–51

Respiratory support in pediatric surgery. Philippart AI, et al. **Surg Clin North Am** 1980 Dec;60(6):1519–32

Complications of respiratory assistance in the newborn. Paster SB, et al. **Tex Med** 1981 Mar;77(3):36–43

[Experience in using the PEEP valve with newborn infants] Mincheva–Saeva M, et al. **Akush Ginekol (Sofiia)** 1981; 20(2):109–12 **(Bul)**

[Intrapulmonary interstitial emphysema in ventilatorsy supported infants (author's transl)] Coradello H, et al. **Klin Paediatr** 1980 Sep;192(5):408–14 (Eng. Abstr.) **(Ger)**

[Effects of highly varying parenteral fluid intakes in premature and newborn infants during the first three days of life (author's transl)] von Stockhausen HB, et al. **Klin Paediatr** 1980 Nov;192(6):539–46 (Eng. Abstr.) **(Ger)**

[Paradoxic lowering of arterial O2 partial pressure and progressive hypoxemia in respiratory distress syndrome treated by expansion therapy] Hencz P. **Orv Hetil** 1980 Sep 21;121(38):2329–30 **(Hun)**

[Oxygenation for the transport of newborn infants with respiratory disorders] Rubecz I, et al. **Orv Hetil** 1980 Dec 14;121(50):3065–7 **(Hun)**

[Usefulness of polyfunctional monitoring of critically ill newborn infants] Twarowska I, et al. **Ginekol Pol** 1980 Sep;51(9):851–6 (Eng. Abstr.) **(Pol)**

[Adaptation syndrome of the newborn. Resuscitation of the newborn infant] Cardona Urda L, et al. **Rev Med Univ Navarra** 1979 Jun;23(2):17–27 **(Spa)**

[Long term neurological evolution and prognosis of neonatal resuscitation] del Río Ganuza A. **Rev Med Univ Navarra** 1979 Jun;23(2):42–5 **(Spa)**

RESPIRATORY DISTRESS SYNDROME, ADULT

The adult respiratory distress syndrome. A review, some thoughts and a few new ideas. Lipman J, et al. **S Afr Med J** 1981 May 23;59(22):779–82 (46 ref.)

[Adult respiratory distress syndrome (ARDS) (author's transl)] Keller R. **Prax Klin Pneumol** 1981 Apr;35(4):161–9 (95 ref.) **(Ger)**

BLOOD

Blood cells and coagulation during experimental lung insufficiency in dogs. Guldvog I, et al. **Acta Chir Scand [Suppl]** 1980;Suppl 499:131–9

The role of platelets in post–traumatic pulmonary insufficiency. Vaage J. **Acta Chir Scand [Suppl]** 1980;Suppl 499:141–59

Elevated fibrin(ogen) degradation products in the adult respiratory distress syndrome. Haynes JB, et al. **Am Rev Respir Dis** 1980 Dec;122(6):841–7

Gas exchange monitoring of ARDS [letter] Muir JF, et al. **Chest** 1981 Apr;79(4):491–3

Serotonin and pulmonary hypertension in human septic ARDS. Sibbald W, et al. **Crit Care Med** 1980 Sep; 8(9):490–4

[Functional encephalopathy and respiratory distress with hypophosphoremia (letter)] Demarcq JM, et al. **Nouv Presse Med** 1981 Feb 14;10(6):431–2 **(Fre)**

[Pathophysiology of respiratory distress. (3) Blood gas (author's transl)] Sasaki T. **Nippon Naika Gakkai Zasshi** 1980 Jun 6;69(6):705–11 **(Jpn)**

CHEMICALLY INDUCED

Chlorine exposure: a challenge to the physician. Lawson JJ. **Am Fam Physician** 1981 Jan;23(1):135–8

Respiratory distress syndrome from lymphangiography contrast medium. Silvestri RC, et al. **Am Rev Respir Dis** 1980 Oct;122(4):543–9

Sensitivity of scintigraphy for detection of pulmonary capillary albumin leak in canine oleic acid ARDS. Sugerman HJ, et al. **J Trauma** 1981 Jul;21(7):520–7

The McConnell missile accident. Clinical spectrum of nitrogen dioxide exposure. Yockey CC, et al. **JAMA** 1980 Sep 12;244(11):1221–3

Adult respiratory distress syndrome associated with acute nitrofurantoin toxicity. Successful treatment with continuous positive airway pressure. Israel RH, et al. **Respiration** 1980;39(6):318–22

[Gold lung] Lem P. **Tidsskr Nor Laegeforen** 1980 Sep 10; 100(25):1486–8 (Eng. Abstr.) **(Nor)**

COMPLICATIONS

Adult respiratory distress syndrome [letter] Manna R, et al. **Arch Intern Med** 1981 Feb;141(2):268–9

[Shock–induced respiratory insufficiency (clinical aspects, pathology ultrastructure and morphometry)] Riede UN, et al. **Gegenbaurs Morphol Jahrb** 1980;126(3):360–8 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

The adult respiratory distress syndrome. Connors AF Jr, et al. **DM** 1981 Jan;27(4):1–75

Adult respiratory distress syndrome one month following myocardial infarction: differential diagnosis, including particularly Dressler's syndrome. Factor SM, et al. **NY State J Med** 1981 Feb;81(2):226–34

Noncardiogenic pulmonary edema and invasive cardiovascular monitoring. Keefer JR, et al. **Obstet Gynecol** 1981 Jul;58(1):46–51

Left heart failure and the adult respiratory distress syndrome. Stretton TB. **Practitioner** 1980 Dec;224(1350):1245–9

[A contribution to differential diagnosis between acute respiratory distress syndrome and central fatty embolism illustrated by examples from traumatology (author's transl)] Hofmann–von Bandel J, et al. **Aktuel Traumatol** 1981 Apr; 11(2):68–74 (Eng. Abstr.) **(Ger)**

[A phantom disease, 'ARDS' (author's transl)] Amaha K. **Kokyu To Junkan** 1980 May;28(5):477–84 **(Jpn)**

DRUG THERAPY

Hypoxic pulmonary vasoconstriction in post–traumatic pulmonary insufficiency. The effect of methylprednisolone. Vaage J, et al. **Acta Chir Scand [Suppl]** 1980;Suppl 499:93–4

Effects of bromhexine metabolite VIII (NA 872) in an animal model of the respiratory distress syndrome. Dauberschmidt R, et al. **Bull Eur Physiopathol Respir** 1980;16(2):135–43

Effects of dopamine, ethanol, and mannitol on cardiopulmonary function in patients with adult respiratory distress syndrome. Rhodes GR, et al. **J Thorac Cardiovasc Surg** 1981 Aug;82(2):203–10

Application of bromhexine metabolite VIII (NA 872) and bromhexine–glucose in treatment of adult respiratory distress syndrome; experimental and clinical results . Kuckelt W, et al. **Respiration** 1980;39(5):264–71

[Influence of isosorbide dinitrate on haemodynamics and gas exchange in acute respiratory distress syndrome (author's transl)] Draxler V, et al. **Anaesthesist** 1980 Nov; 29(11):597–601 (Eng. Abstr.) **(Ger)**

[New viewpoints in shock lung and its treatment with heparin in the late phase] Moghaddam H. **Med Welt** 1980 Dec 12; 31(50):1825–7 **(Ger)**

ENZYMOLOGY

Activation of the kallikrein–kinin system during experimental lung insufficiency in dogs. Saugstad OD, et al. **Acta Chir Scand [Suppl]** 1980;Suppl 499:123–9

Elastolytic activity in pulmonary lavage fluid from patients with adult respiratory–distress syndrome. Lee CT, et al. **N Engl J Med** 1981 Jan 22;304(4):192–6

[Lung–converting–enzyme as a possible cell–maker in connection with the ultrastructural morphology in hypovolemic–traumatic shock (author's transl)] Redl H, et al. **Anaesthesist** 1980 Oct;29(10):552–8 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Respiratory distress syndrome––a result of disseminated intravascular coagulation (DIC) or of fluid overload. Brismar B, et al. **Acta Chir Scand** 1980;146(3):145–8

Posttraumatic pulmonary insufficiency caused by the microembolism syndrome. Modig J. **Acta Chir Scand [Suppl]** 1980;Suppl 499:57–65

Adult respiratory distress syndrome in Rocky Mountain spotted fever. Sacks HS, et al. **Am Rev Respir Dis** 1981 May;123(5):547–9

Bleomycin therapy and anaesthesia. The possible hazards of oxygen administration to patients after treatment with bleomycin. Allen SC, et al. **Anaesthesia** 1981 Jan;36(1):60–3

Pulmonary function after adult respiratory distress syndrome associated with Legionnaires' disease pneumonia. Shaw RA, et al. **Arch Intern Med** 1981 May;141(6):741–2

Adult respiratory distress syndrome in Leptospira canicola infection. Zaltzman M, et al. **Br Med J [Clin Res]** 1981 Aug 22;283(6290):519–20

Toxic shock syndrome [letter] Wedel MK, et al. **Chest** 1981 May;79(5):616

Pulmonary dysfunction associated with cardiopulmonary 'bypass: a comparison of bubble and membrane oxygenators. Dancy CM, et al. **Circulation** 1981 Aug;64(2 Pt 2):54–7

Pathogenesis of respiratory failure (ARDS) after hemorrhage and trauma: II. Cardiorespiratory patterns after development of ARDS. Czer LS, et al. **Crit Care Med** 1980 Sep;8(9):513–8

Pathogenesis of respiratory failure (ARDS) after hemorrhage and trauma: I. Cardiorespiratory patterns preceding the development of ARDS. Shoemaker WC, et al. **Crit Care Med** 1980 Sep;8(9):504–12

Mycoplasmal pneumonia and adult respiratory distress syndrome: a complication to be recognized. Dixon C. **J Natl Med Assoc** 1981 Jun;73(6):549–52

Bacteremia: host–specific lung clearance and pulmonary failure. Crocker SH, et al. **J Trauma** 1981 Mar;21(3):215–20

A common denominator in the etiology of adult respiratory distress syndrome. Sanders AP, et al. **Med Hypotheses** 1980 Sep;6(9):951–65

Respiratory distress, pericarditis and inappropriate antidiuretic hormone secretion in a patient with infectious mononucleosis and Gaucher's disease. Gribetz AR, et al. **Mt Sinai J Med (NY)** 1980 Nov–Dec;47(6):589–91

Neutrophil elastolytic activity in adult respiratory–distress syndrome [letter] **N Engl J Med** 1981 May 21; 304(21):1301–2

Miliary tuberculosis and adult respiratory distress syndrome. Zimmerman HM, et al. **NY State J Med** 1981 Apr; 81(5):787–9

Adult respiratory distress syndrome in a pediatric intensive care unit: predisposing conditions, clinical course, and outcome. Lyrene RK, et al. **Pediatrics** 1981 Jun;67(6):790–5

Acute pulmonary histoplasmosis presenting as adult respiratory distress syndrome: effect of therapy on clinical and laboratory features. Kataria YP, et al. **South Med J** 1981 May;74(5):534–7, 542

The pathogenesis of respiratory failure after trauma and sepsis. Demling RH. **Surg Clin North Am** 1980 Dec; 60(6):1373–90 (47 ref.)

Dialysis–respiratory distress syndrome in patients with uremia secondary to collagen vascular disease. Shenouda AN, et al. **Trans Am Soc Artif Intern Organs** 1980;26:358–61

The adult respiratory distress syndrome associated with miliary tuberculosis. So SY, et al. **Tubercle** 1981 Mar; 62(1):49–53

[Acute respiratory insufficiency as a complication of falciparum malaria] Vasen HF, et al. **Ned Tijdschr Geneeskd** 1980 Sep 27;124(39):1644–6 (Eng. Abstr.) **(Dut)**

[Adult respiratory distress syndrome. Two post-operative cases (author's transl)] Freysz M, et al. **Anesth Analg (Paris)** 1981;38(1-2):55-60 (Eng. Abstr.) **(Fre)**

[Adult respiratory distress syndrome and military tuberculosis (author's transl)] Stoupel E, et al. **Anesth Analg (Paris)** 1980; 37(7-8):429-32 (Eng. Abstr.) **(Fre)**

[Pulmonary edema and hyaline membranes] Aliperta A, et al. **Bronchopneumologie** 1980 Mar-Apr;30(2):159-62 **(Fre)**

[Anuria and respiratory distress after phlegmon of the hand. Recovery after hemodialysis and artificial respiration] Bourdais A. **Dakar Med** 1980;25(2):120-4 (Eng. Abstr.) **(Fre)**

[Acute respiratory distress syndrome in Rose's cephalotetanus (letter)] Chennebault JM, et al. **Nouv Presse Med** 1980 Oct 18;9(38):2848 **(Fre)**

[Pulmonary complications of hydatidiform mole: 'the molar lung' (letter)] Dumont M. **Nouv Presse Med** 1980 Oct 18; 9(38):2850 **(Fre)**

[Etiology and clinical course of adult respiratory distress syndrome among our patients] Széll K. **Orv Hetil** 1981 Apr 19;122(16):935-42 **(Hun)**

[Notes on a case of shock lung in acute pancreatitis] D'Arcangelo GV, et al. **Minerva Anestesiol** 1981 Jan-Feb; 47(1-2):51-6 (Eng. Abstr.) **(Ita)**

[Shock lung: general characteristics and pathogenesis] Anzalone M. **Torace** 1977 Dec;20(1-4):15-30 **(Ita)**

HISTORY

A historical account of the 'wet lung of trauma' and the introduction of intermittent positive-pressure oxygen therapy in world war II. Brewer LA 3d. **Ann Thorac Surg** 1981 Apr;31(4):386-93

IMMUNOLOGY

Role of complement and granulocytes in septic shock. Jacob HS. **Acta Chir Scand [Suppl]** 1980;Suppl 499:97-106

Complement-induced granulocyte aggregation. Importance in myocardial infarction and shock lung [interview] Jacob HS, et al. **JAMA** 1981 May 22-29;245(20):2013-7

METABOLISM

Plasma antiplasmin activities in experimental lung insufficiency. Aasen AO, et al. **Acta Chir Scand [Suppl]** 1980;Suppl 499:113-21

The cascade systems in posttraumatic pulmonary insufficiency. Risberg B, et al. **Acta Chir Scand [Suppl]** 1980; Suppl 499:107-11

[Pathological physiology of respiratory distress. (2) Gas exchange (author's transl)] Nishida O. **Nippon Naika Gakkai Zasshi** 1980 Jun 6;69(6):696-704 **(Jpn)**

MORTALITY

The lung after trauma and shock--fine structure of the alveolar-capillary barrier in 23 autopsies. Pietra GG, et al. **J Trauma** 1981 Jun;21(6):454-62

Fatal respiratory distress in burned patients. Getzen LC, et al. **Surg Gynecol Obstet** 1981 Jun;152(6):741-4

PATHOLOGY

In vivo lung lavage as an experimental model of the respiratory distress syndrome. Lachmann B, et al. **Acta Anaesthesiol Scand** 1980 Jun;24(3):231-6

Electron-microscopic investigation of lung biopsies in patients with post-traumatic respiratory insufficiency. Schnells G, et al. **Acta Chir Scand [Suppl]** 1980;Suppl 499:9-20

The pathology and biology of uremic pneumonitis. Bleyl U, et al. **Intensive Care Med** 1981;7(4):193-202

Diffuse alveolar damage. Gough JC, et al. **Ir J Med Sci** 1980 Sep;149(9):343-5

Adult respiratory distress syndrome -- a pathological view. Addis BJ. **J R Nav Med Serv** 1980 Winter;66(3):186-94

Reversal of histopathologic pulmonary changes with indomethacin. Kerstein MD, et al. **Surg Gynecol Obstet** 1980 Dec;151(6):785-90

[Reversibility of shock-induced pulmonary fibrosis (author's transl)] Hassenstein J, et al. **Anaesth Intensivther Notfallmed** 1980 Aug;15(4):340-9 (Eng. Abstr.) **(Ger)**

[Acute post-traumatic lung failure - morphological evaluation (author's transl)] Schlag G, et al. **Anaesth Intensivther Notfallmed** 1980 Aug;15(4):315-39 (Eng. Abstr.) **(Ger)**

[Leucostasis in the lung during hypovolemic-traumatic shock (author's transl)] Schlag G, et al. **Anaesthesist** 1980 Nov; 29(11):606-12 (Eng. Abstr.) **(Ger)**

[Functional morphological study on respiratory insufficiency in shock (author's transl)] Mittermayer C, et al. **Prax Klin Pneumol** 1980 May;34(5):251-63 (49 ref.) (Eng. Abstr.) **(Ger)**

[Pathology and pathophysiology of circulatory shock with respect to shock lung (author's transl)] Riede UN, et al. **Unfallchirurgie** 1981;7(2):97-104 (Eng. Abstr.) **(Ger)**

[Pathophysiologic and morphologic aspects of shock lung] Schröder F. **Z Aerztl Fortbild (Jena)** 1981 Jan 15;75(2):71-4 **(Ger)**

[Ultrastructural changes in the lung in acute adult respiratory distress syndrome] Szemenyei K, et al. **Morphol Igazsagugyi Orv Sz** 1980 Apr;20(2):98-106 (Eng. Abstr.) **(Hun)**

[The ultrastructural morphogenetic bases of the adult respiratory distress syndrome] Di Carlo V, et al. **Minerva Anestesiol** 1980 Sep;46(9):979-99 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Role of the arterial bronchial system in the pathomechanism of the shock lung. Pénzes I, et al. **Acta Chir Acad Sci Hung** 1979;20(2-3):115-30

Post traumatic pulmonary insufficiency. Amundsen E. **Acta Chir Scand [Suppl]** 1980;Suppl 499:3-8

The pulmonary reaction in aggregate anaphylaxis in the monkey. Revenäs B, et al. **Acta Chir Scand [Suppl]** 1980; Suppl 499:161-70

Fibrin derived peptides as mediators of increased vascular permeability. Saldeen T. **Acta Chir Scand [Suppl]** 1980; Suppl 499:67-72

The dependence of oxygen uptake on oxygen delivery in the adult respiratory distress syndrome [letter] **Am Rev Respir Dis** 1981 Mar;123(3):359-60

Conference report: Mechanisms of acute respiratory failure. **Am Rev Respir Dis** 1977 Jun;115(6):1071-8

The dependence of oxygen uptake on oxygen delivery in the adult respiratory distress syndrome. Danek SJ, et al. **Am Rev Respir Dis** 1980 Sep;122(3):387-95

Pulmonary function and exercise gas exchange in survivors of adult respiratory distress syndrome. Elliott CG, et al. **Am Rev Respir Dis** 1981 May;123(5):492-5

Dung lung: a report of toxic exposure to liquid manure. Osbern LN, et al. **Ann Intern Med** 1981 Sep;95(3):312-4

Respiratory monitoring of adult respiratory distress syndrome: refutation of the concept of carbon dioxide ductance [letter] Shimada Y, et al. **Chest** 1981 Apr; 79(4):493-4

Alveolo-capillary permeability in human septic ARDS. Effect of high-dose corticosteroid therapy. Sibbald WJ, et al. **Chest** 1981 Feb;79(2):133-42

Temporal responses of functional residual capacity and oxygen tension to changes in positive end-expiratory pressure. Rose DM, et al. **Crit Care Med** 1981 Feb; 9(2):79-82

[Gas exchange monitoring under artificial ventilation for adult respiratory distress syndrome. Interest of CO2 ductances (author's transl)] Muir JF, et al. **Anesth Analg (Paris)** 1979;36(11-12):511-6 (Eng. Abstr.) **(Fre)**

[Value of the measurement of CO2 conduction in 3 patients with lesional edema placed under artificial ventilation] Muir JF, et al. **Bronchopneumologie** 1980 Mar-Apr;30(2):137-44 **(Fre)**

[Shock lung. Literature review] Fischer H. **Aktuel Traumatol** 1980 Feb;10(1):45-9 (33 ref.) **(Ger)**

[Shock lung--pathogenesis, diagnosis and therapy] Thiele R, et al. **Z Aerztl Fortbild (Jena)** 1980 Nov 15;74(22):1051-5 **(Ger)**

[Pathophysiology of respiratory distress. (1) Mechanics (author's transl)] Tomita T. **Nippon Naika Gakkai Zasshi** 1980 Jun 6;69(6):689-95 **(Jpn)**

[Clinical, radiological, and respiratory fuction evolution of the adult respiratory distress syndrome (author's transl)] Xaubet A, et al. **Med Clin (Barc)** 1981 Apr 10;76(7):291-5 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

Protection of primate lung from stored-blood perfusion by peptidase inhibition and target membrane stabilization. Geelhoed GW. **Adv Shock Res** 1978;1:83-94

Intracranial pressure changes in brain-injured patients requiring positive end-expiratory pressure ventilation. Burchiel KJ, et al. **Neurosurgery** 1981 Apr;8(4):443-9

Prevention of pulmonary complications in high risk patients. Shah DM, et al. **Surg Clin North Am** 1980 Dec; 60(6):1359-72 (62 ref.)

RADIOGRAPHY

[The wet lung of new-borns: its importance and differential diagnosis (author's transl)] Snobl O, et al. **Radiol Diagn (Berl)** 1980;21(6):778-84 (24 ref.) (Eng. Abstr.) **(Ger)**

REHABILITATION

Chest physical therapy to the patient with multiple trauma. Two case studies. Ciesla N, et al. **Phys Ther** 1981 Feb; 61(2):202-5

SURGERY

Diagnosis and management of pulmonary insufficiency. Alexander JA, et al. **Surg Clin North Am** 1980 Aug; 60(4):983-1001 (47 ref.)

THERAPY

Is extracorporeal membrane oxygenation a viable technique? [editorial] Peirce EC 2d. **Ann Thorac Surg** 1981 Feb; 31(2):102-4

Use of PEEP in acute respiratory distress syndrome in dogs. Dechert R, et al. **Crit Care Med** 1981 Jan;9(1):10-3

Effect of PEEP on gas exchange, pulmonary mechanics, and hemodynamics in adult respiratory distress syndrome (ARDS). Kuckelt W, et al. **Intensive Care Med** 1981; 7(4):177-85

Adult respiratory distress syndrome treated with high-frequency positive pressure ventilation. Flatau E, et al. **Isr J Med Sci** 1981 Jun;17(6):453-6

Adult respiratory distress syndrome in children. Holbrook PR, et al. **Pediatr Clin North Am** 1980 Aug;27(3):677-85

Management of postoperative and posttraumatic respiratory failure in the intensive care unit. Waxman K, et al. **Surg Clin North Am** 1980 Dec;60(6):1413-28

[Regulation of artificial ventilation in adult respiratory distress syndromes] Gay R. **Ann Anesthesiol Fr** 1980; 21(4):407-17 (Eng. Abstr.) **(Fre)**

[Acute respiratory failure: comparison of spontaneous ventilation with continuous positive airway pressure (CPAP) and mechanical ventilation with positive and expiratory pressure (CPPV) in 6 cases (author's transl)] Simonneau G, et al. **Nouv Presse Med** 1979 Jan 13; 8(2):113-5 (Eng. Abstr.) **(Fre)**

[Study of 4 cases of massive acute interstitial pathology of the lungs (adult respiratory distress syndrome or ARDS)] Varesi M. **Minerva Anestesiol** 1979 Mar;45(3):123-34 (Eng. Abstr.) **(Ita)**

[Best PEEP (author's transl)] Sugimoto H, et al. **Kokyu To Junkan** 1980 Nov;28(11):1265-9 **(Jpn)**

[Shock lung (ARDS)] Ishida T, et al. **Nippon Rinsho** 1980; 38(4):1857-68 (54 ref.) **(Jpn)**

[Respiratory therapy and management of shock lung] Yoshikawa H, et al. **Nippon Rinsho** 1980;38(4):1901-7 (34 ref.) **(Jpn)**

RESPIRATORY ENTERIC ORPHAN VIRUS see **REOVIRIDAE**

RESPIRATORY FAILURE see **RESPIRATORY INSUFFICIENCY**

RESPIRATORY FUNCTION TESTS

Functional correlates of lung involvement in Wegener's granulomatosis. Use of pulmonary function tests in staging and follow-up. Rosenberg DM, et al. **Am J Med** 1980 Sep; 69(3):387-94

Respiratory survey of workers in a pulp and paper mill in Powell River, British Columbia. Chan-Yeung M, et al. **Am Rev Respir Dis** 1980 Aug;122(2):249-57

Respiratory responses in humans repeatedly exposed to low concentrations of ozone. Folinsbee LJ, et al. **Am Rev Respir Dis** 1980 Mar;121(3):431-9

Hypoxemia and pulmonary function in acromegaly. Luboshitzky R, et al. **Am Rev Respir Dis** 1980 Mar; 121(3):471-5

A physiologic assessment of segmental bronchial atresia. Robotham JL, et al. **Am Rev Respir Dis** 1980 Mar; 121(3):533-40

Determinants of hypoventilation during wakefulness and sleep in diaphragmatic paralysis. Skatrud J, et al. **Am Rev Respir Dis** 1980 Mar;121(3):587-93

Study of ventilation testing with electronystagmography. Wilson WR, et al. **Ann Otol Rhinol Laryngol** 1981 Jan-Feb; 90(1 Pt 1):56-9

Cardiopulmonary adaptation to exercise in coal miners. Scano G, et al. **Arch Environ Health** 1980 Nov-Dec; 35(6):360-6

Clinical significance of pulmonary function tests: upper airway obstruction. Acres JC, et al. **Chest** 1981 Aug; 80(2):207-11

The relationship of acute respiratory response and chronic respiratory symptoms in byssinosis. Battigelli MC, et al. **Chest** 1981 Apr;79(4 Suppl):86S-90S

The use of pulmonary function testing and questionnaires as epidemiologic tools in the study of occupational lung disease. Boehlecke BA, et al. **Chest** 1981 Apr;79(4 Suppl):114S-122S

The pulmonary function test: cautious overinterpretation [editorial] Butler J. **Chest** 1981 May;79(5):498-500

Reliability of the lateral position test [letter] Cooper KR. **Chest** 1981 Apr;79(4):494-5

Sensitivity and specificity of early diagnostic tests of lung function in smokers. Dosman JA, et al. **Chest** 1981 Jan; 79(1):6-11

Interpretation of tests of early lung dysfunction [editorial] Dosman JA, et al. **Chest** 1981 Mar;79(3):261-2

The relationship between flow transients and bronchial lability in cystic fibrosis. Loughlin GM, et al. **Chest** 1981 Feb;79(2):206-10

Use of lateral position test and perfusion lung scan in predicting mediastinal metastases. Solomon DA, et al. **Chest** 1981 Apr;79(4):406-8

Use of pulmonary function tests in the management of sarcoidosis. Winterbauer RH, et al. **Chest** 1980 Oct; 78(4):640-7

A pocket calculator program for non-invasive bedside assessment of cardiorespiratory function. Powles AC, et al. **Comput Biol Med** 1980;10(3):143-51

Pulmonary function in runners before and after a 20 kilometer road race. Mahler DA, et al. **Conn Med** 1980 Sep; 44(9):549-52

A new, microprocessor device for mean airway pressure measurement. Banner MJ, et al. **Crit Care Med** 1981 Jan; 9(1):51-3

Pulmonary function in chronic respiratory failure of infancy. Loeber NV, et al. **Crit Care Med** 1980 Oct;8(10):597–601
The influence of endobronchial fluid on the ventilation. Fišer F, et al. **Czech Med** 1980;3(2):160–8
81mKr gas generator for lung ventilation study. Koyama T, et al. **Eur J Nucl Med** 1980 Dec;5(6):481–6
Excercise ventilation during the growth spurt period: comparison between two European countries. Rutenfranz J, et al. **Eur J Pediatr** 1981 May;136(2):135–42
Prolonged rehabilitation of patients after acute myocardial infarction and its effects on a complex of physiological variables. Schlesinger Z, et al. **Heart Lung** 1980 Nov–Dec; 9(6):1038–43
A simplified concept of complete physiological monitoring of the critically ill patient. Vij D, et al. **Heart Lung** 1981 Jan–Feb;10(1):75–82
Assessment of airflow obstruction: a comparison of various methods of evaluation. Pande JN, et al. **Indian J Chest Dis Allied Sci** 1981 Jan–Mar;23(1):10–20
Effect of snuff on pulmonary function tests. Rai UC, et al. **Indian J Chest Dis Allied Sci** 1980 Jul–Sep;22(3):147–51
Pulmonary function tests and bronchodilator responsiveness. Miller WC. **J Asthma Res** 1980 Jan;17(2):65–70
Spirometry and other pulmonary function tests. Burki NK. **J Fam Pract** 1981 Jan;12(1):119–24
Respiratory function tests in Aboriginal children [letter] Thompson JE. **Med J Aust** 1980 Jun 28;1(13):668
Chronic respiratory disease and respiratory function in a group of fire fighters. Young I, et al. **Med J Aust** 1980 Jun 28;1(13):654–8
Bedside monitoring of respiratory function. Hunter PM. **Nurs Clin North Am** 1981;16(2):211–24
Pulmonary function testing: regulations and recommendations. Hamilton TE, et al. **Occup Health Saf** 1980 Jul–Aug;49(7):25–9, 50
Prediction of postoperative cardiopulmonary function in patients undergoing pneumonectomy. Taube K, et al. **Thorac Cardiovasc Surg** 1980 Oct;28(5):348–51
Pulmonary function after prolonged mechanical ventilation with high concentrations of oxygen. Gillbe CE, et al. **Thorax** 1980 Dec;35(12):907–13
[Recent advances in the study of pulmonary function (author's transl)] Wu SQ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1979;2(3):185–8 **(Chi)**
[Treatment room air temperature and its effects on spiroergometric test results (author's transl)] Přibil M, et al. **Cas Lek Cesk** 1981 Feb 26;120(8):215–8 (Eng. Abstr.) **(Cze)**
[Measurement of ventilatory reserve as an objective criterion for early extubation after cardiac surgery (author's transl)] Lauwers P, et al. **Acta Anaesthesiol Belg** 1980; 31(1):XXXII–XXXVI **(Dut)**
[Pulmonary emphysema, a lost cause?] Postma DS, et al. **Ned Tijdschr Geneeskd** 1981 Feb 14;125(7):265–70 (Eng. Abstr.) **(Dut)**
[Carbon monoxide intake during exercise in healthy subjects and patients (author's transl)] Bréant J, et al. **Poumon Coeur** 1980 Sep–Oct;36(5):315–26 (Eng. Abstr.) **(Fre)**
[Respiratory functional tests in professional asthma. Value of realistic tests (author's transl)] Grosclaude M, et al. **Poumon Coeur** 1980;36(4):249–54 (Eng. Abstr.) **(Fre)**
[Variability of respiratory function tests 9 weeks observation (author's transl)] Pham QT, et al. **Rev Epidemiol Sante Publique** 1981;29(1):15–26 (Eng. Abstr.) **(Fre)**
[Is the airway–occlusion–technique used in respiratory physiology hazardous for the newborn infant? (author's transl)] Simbruner G, et al. **Klin Paediatr** 1981 Mar; 193(2):77–9 (Eng. Abstr.) **(Ger)**
[Dependency of arterial oxygen pressure on myocardial function. Correlations between cardiac action and lung function. II (author's transl)] Smidt U, et al. **Prax Klin Pneumol** 1980 Jul;34(7):381–99 (Eng. Abstr.) **(Ger)**
[About the clinical picture of pulmonary heart disease with special regard to correlations between pulmonary function and pulmonary hemodynamics (author's transl)] Julich H, et al. **Z Erkr Atmungsorgane** 1980 May;155(2):157–65 (Eng. Abstr.) **(Ger)**
[Problems of early detection of latent pulmonary hypertension--the value of ergometric tests and the correlation between pulmonary circulation and parameters of lung function (author's transl)] Krause M, et al. **Z Erkr Atmungsorgane** 1980 May;155(2):166–71 (Eng. Abstr.) **(Ger)**
[Reference values of respiratory parameters in children. VI. Reference values of nitrogen washout parameters (author's transl)] Müller E, et al. **Z Erkr Atmungsorgane** 1980; 155(1):46–58 (Eng. Abstr.) **(Ger)**
[Cardiopulmonary capacity before and after lung operation (author's transl)] Schleusing G, et al. **Z Erkr Atmungsorgane** 1980 May;155(2):207–19 (Eng. Abstr.) **(Ger)**
[Aspects of lung function evaluation before and after lung resections (author's transl)] Thomas E. **Z Erkr Atmungsorgane** 1980 May;155(2):199–206 (Eng. Abstr.) **(Ger)**
[Specificity of tests proposed for detection of early obstruction of the airways] Rambaldi M, et al. **Arch Monaldi** 1978 Sep–Dec;33(5–6):376–91 (Eng. Abstr.) **(Ita)**
[Behavior of ventilatory mechanics and volume measurements in the senile lung] Marangio E, et al. **G Clin Med** 1981 Mar;62(3):141–54 (Eng. Abstr.) **(Ita)**
[Studies on multiple breath nitrogen washout test (IDI) in patients with pulmonary silicosis (author's transl)] Minami Y, et al. **Kokyu To Junkan** 1980 Nov;28(11):1283–7 (Eng. Abstr.) **(Jpn)**
[Preoperative respiratory examination (author's transl)] Okuaki A. **Kokyu To Junkan** 1980 Dec;28(12):1359–66 **(Jpn)**
[Respiratory symptoms and spirographic tests in healthy and non–smoking populations of 2 areas with different levels of air pollution in Rio de Janeiro] Lemle A, et al. **AMB** 1980 May;26(5):157–62 (Eng. Abstr.) **(Por)**
[Pulmonary function in scleroderma] Romeiro Neto M, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1980 Aug; 35(4):178–82 (Eng. Abstr.) **(Por)**
[Pulmonary function in mitral stenosis] Vargas FS, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1980 Aug;35(4):174–7 (Eng. Abstr.) **(Por)**
[Contribution of differential pulmonary function tests, as compared with routine tests of external ventilation, to the diagnosis of chronic obstructive bronchopneumopathy and complicated bronchial asthma] Burnea D, et al. **Rev Med Interna [Med Interna]** 1980 Sep–Oct;32(5):459–66 **(Rum)**
[The importance of bronchodilator test in the evaluation of reversibility of airway obstruction (author's transl)] Krivokapić N, et al. **Plucne Bolesti Tuberk** 1980 Jul–Sep; 32(3):139–43 (Eng. Abstr.) **(Scr)**
[Pulmonary sarcoidosis with unilateral falling out of ventilation (author's transl)] Piršič B, et al. **Plucne Bolesti Tuberk** 1981 Oct–Dec;32(4):210–5 (Eng. Abstr.) **(Scr)**
[Functional examination of the cardiorespiratory apparatus in scolioses (author's transl)] Steňo M, et al. **Acta Chir Orthop Traumatol Cech** 1980 Dec;47(6):521–6 (Eng. Abstr.) **(Slo)**

INSTRUMENTATION

Bidirectional subminiature thermistor sensor for analog control by breath flow. Sekey A, et al. **Biomater Med Devices Artif Organs** 1981;9(1):73–90
Maximum inspiratory force [letter] Belani KG, et al. **Crit Care Med** 1980 Sep;8(9):528–9
Calibration of some instruments for measuring peak expiratory flow. Shaw A, et al. **J Med Eng Technol** 1980 Nov;4(6):291–4
Versatile microcomputer for medical application: use of the system for ventilatory function testing. Derrett CJ, et al. **Med Biol Eng Comput** 1979 Nov;17(6):783–5
Biotelemetry in the study of regulation of ventilation. Evanich MJ. **Physiologist** 1980 Oct;23(5):50–5 (69 ref.)
Reproducibility of the flow–volume loop [letter] Shaw A, et al. **Thorax** 1980 Jun;35(6):480
[Use of the flexible bronchoscope in the collection of expired gases and their analysis with the mass spectrograph] Uchytil B, et al. **Cesk Otolaryngol** 1981 Jan;30(1):32–6 (Eng. Abstr.) **(Cze)**
[Selective capnography through a bronchoscope. A possibility for the functional examination of individual lung segments] Füzesi K. **Orv Hetil** 1980 Dec 28; 121(52):3189–94 **(Hun)**
[Use of pyroelectric heat flow sensor for noncontact pneumography] Kremenchugskiĭ LS, et al. **Gig Tr Prof Zabol** 1981 Mar;(3):40–1 **(Rus)**
[New multidetector system for studying lung function using radionouclides] Vyrenkova NIu, et al. **Med Tekh** 1980 Sep–Oct;(5):53–5 (Eng. Abstr.) **(Rus)**

METHODS

Pulmonary function tests before and after open heart surgery. Ferdinande P, et al. **Acta Anaesthesiol Belg** 1980;31 Suppl:127–36
Transcutaneous oxygen monitoring during exercise stress testing. Schonfeld T, et al. **Am Rev Respir Dis** 1980 Mar; 121(3):457–62
A new approach for clinical assessment of control of breathing. Milic–Emili J, et al. **Bull Eur Physiopathol Respir** 1979;15 Suppl:17–29
Pulmonary function tests in sarcoidosis [letter] Colp C. **Chest** 1981 Aug;80(2):245–6
Clinical significance of pulmonary function tests. Pulmonary function testing in interstitial pulmonary disease. What does it tell us? Keogh BA, et al. **Chest** 1980 Dec;78(6):856–65
A simple method for measuring oxygen uptake on a single breath basis. Veicsteinas A, et al. **Eur J Applied Physiol** 1980;45(1):19–24
The evaluation of mucolytic drugs by lung function studies in children. Kraemer R, et al. **Eur J Respir Dis [Suppl]** 1980;61(111):118–21
Determination of the cardiac output during physical exertion by a rebreathing method. Evdokimova TA. **Hum Physiol** 1979 Nov–Dec;5(5):809–11
Production of 99mTc–labeled iron oxide aerosols for human lung deposition and clearance studies. Wales KA, et al. **Int J Appl Radiat Isot** 1980 Nov;31(11):689–94
Pulmonary function and 81mKr scans in obstructive pulmonary disease. Kaplan E, et al. **Int J Nucl Med Biol** 1981;8(1):39–51
Lung compliance and its transient elevations measured with pulse–flow method. Suratt PM, et al. **J Appl Physiol** 1981 Jun;50(6):1318–24
A pulse method of measuring respiratory system compliance. Suratt PM, et al. **J Appl Physiol** 1980 Dec;49(6):1116–21
Measurement of respiratory mechanics with forced oscillations. Comparison of two methods (Siregnost FD 5 versus a pseudorandom noise technique). Holle JP, et al. **Respiration** 1981;41(2):119–27
Relationship between preoperative pulmonary function tests and complications after thoracotomy. Boysen PG, et al. **Surg Gynecol Obstet** 1981 Jun;152(6):813–5
[Error analysis in open respirometric systems (author's transl)] Krell U. **Biomed Tech (Berlin)** 1980 Jun; 25(6):147–51 (Eng. Abstr.) **(Ger)**
[Pulmonary function tests (author's transl)] Bachofen H. **Ther Umsch** 1980 Oct;37(10):833–9 (Eng. Abstr.) **(Ger)**
[The flow–volume–diagram (author's transl)] Zwick H. **Wien Med Wochenschr** 1980 Jul 31;130(13–14):479–85 (Eng. Abstr.) **(Ger)**
[Methods and evaluation of clinical ergometer tests] Julich H, et al. **Z Gesamte Inn Med** 1980 Jun 1;35(11):469–71 (Eng. Abstr.) **(Ger)**
[Methods and informative value of lung function tests in occupational medicine] Strassburger KU. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1981 Feb;31(2):38–45 **(Ger)**
[Roentgenopneumopolygraphy in the diagnosis of lung cancer] Parashchak PV, et al. **Vopr Onkol** 1980;26(10):83–7 (Eng. Abstr.) **(Rus)**

STANDARDS

Spirometric time base considerations [letter] Petty TL. **Chest** 1981 Jul;80(1):116–7
Standardization of lung function testing in children. Proceedings and Recommendations of the GAP Conference Committee, Cystic Fibrosis Foundation. Taussig LM, et al. **J Pediatr** 1980 Oct;97(4):668–76

RESPIRATORY HYPERSENSITIVITY

BLOOD

[Allergen–induced airway obstruction and histamine concentration in arterial and venous plasma. First communication (author's transl)] Zimmermann I, et al. **Res Exp Med (Berl)** 1980;177(2):91–100 (Eng. Abstr.) **(Ger)**
[Histamine concentration in arterial plasma in the course of repeated antigen challenges of the bronchopulmonary system. Second communication (author's transl)] Zimmermann I, et al. **Res Exp Med (Berl)** 1980;177(2):101–9 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

The artificial granuloma 1: in vitro lymphokine production by pulmonary artificial hypersensitivity granulomas. Carrick L Jr, et al. **Clin Immunol Immunopathol** 1980 Nov; 17(3):415–26
Studies on the enhancement of allergic lung sensitization by inhalation of ozone and sulfuric acid aerosol. Osebold JW, et al. **J Environ Pathol Toxicol** 1980 Jun–Jul;3(5–6):221–34
Dermal contact with toluene diisocyanate (TDI) produces respiratory tract hypersensitivity in guinea pigs. Karol MH, et al. **Toxicol Appl Pharmacol** 1981 Apr;58(2):221–30
[Diagnostic importance of the rhinocytograms in occupational allergoses caused by exposure to hexavalent chromium] Makarova VN, et al. **Gig Tr Prof Zabol** 1980 Oct;(10):47–8 **(Rus)**

COMPLICATIONS

Recognition and treatment of allergy in sinusitis and pharyngotonsillitis. A preliminary report. Lehrer JF, et al. **Arch Otolaryngol** 1981 Sep;107(9):543–6
The effect of mediator modifying drugs in cotton bract–induced bronchospasm. Schachter EN, et al. **Chest** 1981 Apr;79(4 Suppl):73S–77S
Difficulties generated by allergies. Baker BM, et al. **J Sch Health** 1980 Dec;50(10):583–5

DIAGNOSIS

The seasonal variation of allergic respiratory symptoms induced by house dust mites. Murray AB, et al. **Ann Allergy** 1980 Dec;45(6):347–50
[Respiratory allergy to house dust. A comparison between clinical reactions and the results of some diagnostic tests. 54 cases (author's transl)] Donne JP, et al. **Nouv Presse Med** 1980 Nov 22;9(44):3335–7 (Eng. Abstr.) **(Fre)**
[Cutaneous or intracutaneous tests for diagnosis of inhalation allergies? A comparative study of pollen–free and pollen–containing allergen extracts in cutaneous and intracutaneous testing. II. Study of pollen–containing allergen extracts] Becker S, et al. **Med Welt** 1980 Jun 6; 31(23):868–73 **(Ger)**
[Case report from practice] Besch W. **Praxis** 1981 Jan 13; 70(3):78–9 **(Ger)**
[The diagnosis and prophylaxis in respiratory allergy (author's transl)] Horak F. **Wien Klin Wochenschr [Suppl]** 1980;92(117 Suppl):9–11 (Eng. Abstr.) **(Ger)**

[A method of determining serum IgE in subjects with allergic manifestations of the respiratory tract] Marzo C, et al. **Arch Monaldi** 1979;34(5–6):272–7 (Eng. Abstr.) **(Ita)**

[Specific bronchial provocation tests in the diagnosis of occupational lung diseases of allergic origin (author's transl)] **Saia B, et al. Med Lav** 1980 Jan–Feb;71(1):48–61 (Eng. Abstr.) **(Ita)**

[Drug allergy in various categories of medical workers and in patients with allergic nose and sinus diseases] Shal'nova GA, et al. **Gig Tr Prof Zabol** 1981 Jun;(6):42–4 **(Rus)**

[Status of microbial allergy in chronic nonspecific lung diseases] Nikolaevskiĭ VV, et al. **Vrach Delo** 1980 Aug;(8):40–2 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Suppression of non-specific bronchial hyperreactivity by DSCG (Disodium cromoglycate) and ipratropium bromide (author's transl)] Götz M, et al. **Wien Klin Wochenschr** 1980 Sep 26;92(18):638–41 (Eng. Abstr.) **(Ger)**

[The suppression of bronchospasm with disodium cromoglycate (DSCG) (author's transl)] Ferlitsch A, et al. **Wien Klin Wochenschr [Suppl]** 1980;92(117 Suppl):22–3 (Eng. Abstr.) **(Ger)**

[The use of sequence 1–39 human synthetic ACTH in therapy of asthmatic syndromes] Pozzi E, et al. **Clin Ter** 1980 May 15;93(3):319–27 (Eng. Abstr.) **(Ita)**

[Results and prospects of using becotid in bronchial asthma and other allergic diseases] Il'kovich MM. **Sov Med** 1980;(8):74–7 (31 ref.) **(Rus)**

[Treatment of acute allergic states with Urbason] Mitrović D, et al. **Vojnosanit Pregl** 1980 Nov–Dec;37(6):451–3 **(Scr)**

ETIOLOGY

Variability of airways hyper-reactivity and allergy in cystic fibrosis. Holzer FJ, et al. **Arch Dis Child** 1981 Jun; 56(6):455–9

Laboratory animal allergy: a clinical survey of an exposed population. Slovak AJ, et al. **Br J Ind Med** 1981 Feb; 38(1):38–41

Pulmonary disease in workers exposed to papain: clinico-physiological and immunological studies. Novey HS, et al. **Clin Allergy** 1980 Nov;10(6):721–31

A pulmonary survey of grain handlers in the West of Scotland. Patel KR, et al. **Clin Allergy** 1981 Mar; 11(2):121–9

Type I allergy in mushroom soup processors. Symington IS, et al. **Clin Allergy** 1981 Jan;11(1):43–7

Role of polyclonal cell activation in the initiation of immune complex-mediated pulmonary injury following antigen inhalation. Shenker BJ, et al. **Environ Health Perspect** 1980 Apr;35:43–54

Bronchial reactivity in occupational asthma and bronchitis. Simonsson BG. **Eur J Respir Dis [Suppl]** 1980;61 Suppl 107:177–81

Factors affecting the distribution of house-dust mites under domestic conditions in Lucknow. Maurya KR, et al. **Indian J Med Res** 1980 Aug;72:284–92

Pulmonary hypersensitivity in prawn workers. Gaddie J, et al. **Lancet** 1980 Dec 20–27;2(8208–8209):1350–3

New studies on the mold spore incidence in the homes of asthmatics. Popescu IG, et al. **Med Interne** 1980 Jul–Sep; 18(3):315–8

Allergic bronchopulmonary stemphyliosis. Benatar SR, et al. **Thorax** 1980 Jul;35(7):515–8

[Respiratory allergy linked to mycological flora in the lung] Babolini G, et al. **Bronchopneumologie** 1980;30(4):289–96 **(Fre)**

[Allergy due to castor bean meal (author's transl)] Pevny I. **Derm Beruf Umwelt** 1979;27(6):159–62 (28 ref.) (Eng. Abstr.) **(Ger)**

[Hemoglobins of chironomids: until now unknown potent inhalent antigens for humans (author's transl)] Baur X. **Klin Wochenschr** 1980 Oct 15;58(20):1163–4 (Eng. Abstr.) **(Ger)**

[Mycogenic allergies (author's transl)] Male O. **Wien Klin Wochenschr [Suppl]** 1980;92(117 Suppl):29–33 (Eng. Abstr.) **(Ger)**

[Frequency of allergic bronchial asthma caused by Dermatophagoides pteronissynus in patients appearing at the IMI Allergy Laboratory in the year 1978] Chirilă M, et al. **Rev Med Interna [Med Interna]** 1980 Mar–Apr; 32(2):169–72 **(Rum)**

IMMUNOLOGY

Systemic and local lymphocyte responses in experimental hypersensitivity pneumonitis. Ratajczak HV, et al. **Am Rev Respir Dis** 1980 Nov;122(5):761–8

Humoral and cellular immunity in extrinsic pulmonary granulomatoses. Amaral-Marques R, et al. **Bronchopneumologie** 1980 Jan–Feb;30(1):30–40

Predictable clinical disorders related to serum and saliva Ig-levels and the number of circulating T cells in asthmatic chidren. Ostergaard PA. **Clin Allergy** 1980 May; 10(3):277–84

Respiratory hypersensitivity to Ascaris extract in guinea pigs sensitized by aerosol. Cain WA, et al. **Int Arch Allergy Appl Immunol** 1980;63(4):361–8

Suppressor cell function in respiratory allergy. Modulation by aminophylline and isoproterenol. Rola-Pleszczynski M, et al. **Int Arch Allergy Appl Immunol** 1981;64(4):361–70

[Trogoderma angustum Solier larva – a new inhaled allergen] Klaschka F, et al. **Derm Beruf Umwelt** 1981;29(1):9–11 **(Ger)**

[Arterial plasma histamine concentration during inhalation of allergen and acetylcholine before and after vagotomy. V. Communication (author's transl)] Zimmermann I, et al. **Res Exp Med (Berl)** 1980;178(1):29–35 (Eng. Abstr.) **(Ger)**

[Clinical symptoms and results of RAST and inhalation provocation tests] Baur X, et al. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1980 Apr;30(4):104–9 **(Ger)**

METABOLISM

Developmental and endocrine aspects of respiratory allergy. Falliers CJ. **J Asthma** 1981 Jan;18(1):17–21

[Electrolyte metabolic characteristics of the infectious, allergic form of bronchial asthma] Svintsitskiĭ AS. **Vrach Delo** 1980 Oct;(10):97–100 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

[Role of microbial flora in the development of allergic pathology of the upper respiratory tracts in chemical industry workers] Girdo RG, et al. **Gig Tr Prof Zabol** 1980 Nov;(11):30–4 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Epidemiologic aspects of suberosis and vineyard's sprayers lung. Avila R. **Bronchopneumologie** 1980 Jan–Feb; 30(1):50–60

[Determination of the morbidity due to inhalation allergies in Viennese schoolchildren (author's transl)] Horak F, et al. **Wien Klin Wochenschr** 1981 Feb 6;93(3):87–9 (Eng. Abstr.) **(Ger)**

[Analysis of the multiple correlations in total evaluation of an epidemiological questionnaire. Results of an investigation of respiratory allergic diseases] D'Alfonso G, et al. **Arch Monaldi** 1978 Sep–Dec;33(5–6):303–30 **(Ita)**

[Allergic manifestations of type I in an child population of Veneto. Clinico-statistical study of 829 cases] Marcer G, et al. **Minerva Pediatr** 1981 Feb 28;33(4):165–72 (14 ref.) (Eng. Abstr.) **(Ita)**

PATHOLOGY

Ultrastructural changes of the rabbit lung tissue during sensitization to antigens. Eskenasy A. **Morphol Embryol (Bucur)** 1981 Jan–Mar;27(1):55–61

PHYSIOPATHOLOGY

Radiology and respiratory function in 'vineyard sprayer's lung'. Villar TG, et al. **Bronchopneumologie** 1980 Jan–Feb; 30(1):61–7

Bronchial hyperreactivity. Simonsson BG. **Eur J Respir Dis [Suppl]** 1980;61 Suppl 108:21–8

[Report of the 28th Congress of the International Broncho-Pneumology Association, Bruges, 16–19 May 1979. Allergic alveolitis] **Bronchopneumologie** 1980 Jan–Feb;30(1):1–81 **(Fre)**

PSYCHOLOGY

[A psychosomatic theory of allergic sensitization; allergy as a quasi conditioned reaction] Hansen O. **Z Psychosom Med Psychoanal** 1981 Apr–Jun;27(2):143–60 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Some radiological aspects in cement workers. Freitas e Costa M, et al. **Bronchopneumologie** 1980 Jan–Feb;30(1):74–81

Allergic edema of arytenoids and aryepiglottic folds. Bernstein AD, et al. **NY State J Med** 1981 Aug; 81(9):1359–60

SURGERY

[Pathogenic treatment of nasal allergy] Grigoriu V, et al. **Rev Chir [Otorinolaringol]** 1980 Jul–Sep;25(3):215–8 (Eng. Abstr.) **(Rum)**

THERAPY

Contemporary problems of epidemiology and treatment of respiratory allergies and bronchial asthma. Zavázal V. **Czech Med** 1980;3(4):255–62

Immunotherapy in hemp workers having respiratory complaints. Gupta BN, et al. **Indian J Med Sci** 1980 Apr; 34(4):72–81

[Therapy of occupationally induced allergic asthma and rhinitis (author's transl)] Czarnecki N. **Wien Klin Wochenschr [Suppl]** 1980;92(117 Suppl):39–41 (Eng. Abstr.) **(Ger)**

[Potential secondary effects in pollen-desensitization with mixed pollen-depot-extracts in regards to foreign body granuloma (author's transl)] Kirsten D, et al. **Z Erkr Atmungsorgane** 1980;154(1):84–9 (Eng. Abstr.) **(Ger)**

[Therapy of mite asthma (author's transl)] Kirsten D. **Z Erkr Atmungsorgane** 1980;155(1):120–4 (Eng. Abstr.) **(Ger)**

[The cooperation of pneumonologist and allergologist in the care of patients with bronchial asthma (author's transl)] Trefný J, et al. **Z Erkr Atmungsorgane** 1981;156(2):122–4 (Eng. Abstr.) **(Ger)**

[Specific immunotherapy in type I occupational allergic disease (author's transl)] Briatico-Vangosa G. **Med Lav** 1980 Jan–Feb;71(1):34–9 (Eng. Abstr.) **(Ita)**

VETERINARY

[Possible etiological importance of the hay mite in lung diseases of the horse] Hockenjos P, et al. **Schweiz Arch Tierheilkd** 1981 Mar;123(3):129–36 (Eng. Abstr.) **(Ger)**

RESPIRATORY INSUFFICIENCY

BLOOD

Transcutaneous carbon dioxide monitoring. McLellan PA, et al. **Am Rev Respir Dis** 1981 Aug;124(2):199–201

Platelet consumption and sequestration in severe acute respiratory failure. Schneider RC, et al. **Am Rev Respir Dis** 1980 Sep;122(3):445–51

Haematological response in hypoxic lung disease. Kulpati DD, et al. **Indian J Chest Dis Allied Sci** 1980 Jan–Mar; 22(1):31–8

Plasma protein binding of etomidate in different age groups and in patients with chronic respiratory insufficiency. Carlos R, et al. **Int J Clin Pharmacol Ther Toxicol** 1981 Apr;19(4):171–4

Effect of hematocrit on the blood viscosity of patients with chronic respiratory failure and secondary polycythemia. Clivati A, et al. **Respiration** 1980;40(4):201–7

[The hemoglobin dissociation curve in chronic respiratory insufficiency studied by determination of P 50] Ferretti PG, et al. **G Clin Med** 1980 Dec;61(12):883–92 (Eng. Abstr.) **(Ita)**

[Physical blood properties in chronic respiratory failure] Vertun B, et al. **Pol Arch Med Wewn** 1981 Apr;65(4):305–13 (Eng. Abstr.) **(Pol)**

CHEMICALLY INDUCED

Acute bleomycin toxicity. Ganick DJ, et al. **Am J Pediatr Hematol Oncol** 1980 Fall;2(3):249–52

Complication of epidural morphine [letter] McDonald AM. **Anaesth Intensive Care** 1980 Nov;8(4):490–1

Respiratory depression after intrathecal narcotics. Davies GK, et al. **Anaesthesia** 1980 Nov;35(11):1080–3

Unexpected complication of successful nerve block. Morphine induced respiratory depression precipitated by removal of severe pain. Hanks GW, et al. **Anaesthesia** 1981 Jan;36(1):37–9

Morphine-induced respiratory depression following bilateral carotid endarterectomy. Lee JK, et al. **Anesth Analg (Cleve)** 1981 Jan;60(1):64–5

Central action of spinal opiates [letter] Bahar M, et al. **Anesthesiology** 1981 Sep;55(3):334

Fatal pulmonary edema following intravenous 'freebase' cocaine use. Allred RJ, et al. **Ann Emerg Med** 1981 Aug; 10(8):441–2

Cardiorespiratory toxicity due to miconazole. Fainstein V, et al. **Ann Intern Med** 1980 Sep;93(3):432–3

Trimeprazine and respiratory depression. Mann NP. **Arch Dis Child** 1981 Jun;56(6):481–2

Respiratory depression after extradural morphine [letter] Christensen V. **Br J Anaesth** 1980 Aug;52(8):841

Intrathecal morphine: naloxone reverses respiratory depression but not analgesia. Jones RD, et al. **Br Med J** 1980 Sep 6;281(6241):645–6

Effects of naloxone on pethidine-induced neonatal depression [letter] Wiener PC, et al. **Br Med J** 1980 Jan 26; 280(6209):252

Acute respiratory failure secondary to polymyxin-B inhalation. Wilson FE. **Chest** 1981 Feb;79(2):237–9

Shrinking pupils as a warning of respiratory depression after spinal morphine [letter] Bahar M, et al. **Lancet** 1981 Apr 18;1(8225):893

Late respiratory depression after concomitant use of morphine epidurally and parenterally [letter] Gustafsson LL, et al. **Lancet** 1981 Apr 18;1(8225):892–3

[The malignant syndrome caused by neuroleptics (letter)] Destée A, et al. **Nouv Presse Med** 1981 Jan 24;10(3):178 **(Fre)**

[Acute respiratory failure during long-term treatment with neuroleptic drugs (author's transl)] Hilpert F, et al. **Nouv Presse Med** 1980 Oct 25;9(39):2897–900 (Eng. Abstr.) **(Fre)**

[Adynamic symptoms--paresthesias--, tetraparesis with respiratory insufficiency] Kaschka WP, et al. **Fortschr Med** 1981 Jul 2;99(25):995–8 **(Ger)**

[Pulmonary nitrofurantoin syndrome (author's transl)] Leniger B, et al. **Fortschr Med** 1981 Jul 23;99(27–28):1092–6 **(Ger)**

[Pulmonary complications caused by cytostatic drugs] Bruntsch U. **MMW** 1980 Sep 12;122(37):1260–1 **(Ger)**

[Differential diagnosis – tetracycline induced respiratory insufficiency] Göbel EA. **MMW** 1981 May 8;123(19):58–9 **(Ger)**

[Chemical pneumopathy caused by hydrocarbons: etiopathogenesis and problems of clinical toxicology] De Francisci G, et al. **Recenti Prog Med** 1981 Apr;70(4):346–52 **(Ita)**

[Effects of chemical contaminations of the air of work

environment on the occurrence of chronic bronchitis and ventilatory lung efficiency (author's transl)] Sykut E. **Przegl Lek** 1981;38(4):399–402 (Eng. Abstr.) **(Pol)**

CLASSIFICATION

[Respiratory failure (author's transl)] Godoy P. **Rev Med Chil** 1980 Nov;108(11):1065–71 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Cardiovascular disturbances in chronic respiratory insufficiency. Robotham JL. **Am J Cardiol** 1981 Apr; 47(4):941–9 (50 ref.)

Cardiovascular management in acute hypoxemic respiratory failure. Wood LD, et al. **Am J Cardiol** 1981 Apr; 47(4):963–72 (40 ref.)

Acute respiratory failure due to strongyloidiasis in polymyositis. McNeely DJ, et al. **J Rheumatol** 1980 Sep–Oct;7(5):745–50

Respiratory failure in a patient with leukemia and a normal x-ray film of the chest. Freed N, et al. **JAOA** 1981 Jul; 80(11):736–9

Defective reflex responses to impeded breathing during quiet sleep or anesthesia in thiamine-deficient kittens and puppies. Read DJ, et al. **Sleep** 1980;3(3–4):383–92

Surgical Management of complications of respiratory failure. Gazzaniga AB. **Surg Clin North Am** 1980 Dec; 60(6):1465–79

[Ocular findings in high-risk newborns treated with continual negative pressure] Kubát Z, et al. **Cesk Oftalmol** 1980 Mar; 36(2):96–104 (Eng. Abstr.) **(Cze)**

[Criteria for recourse to extra-renal purification in involvement of several organs in the aged] Lamy M. **Ann Anesthesiol Fr** 1980;21(3):262–3 **(Fre)**

[Immediate and secondary prognosis of suffocation fits from post-tuberculous respiratory insufficiencies (author's transl)] Charpin D, et al. **Poumon Coeur** 1980 May–Jun; 36(3):175–8 (Eng. Abstr.) **(Fre)**

[Therapy of enlarging emphysematous bullae during acute respiratory failure (author's transl)] Touaty E, et al. **Rev Fr Mal Respir** 1980;8(2):159–60 (Eng. Abstr.) **(Fre)**

[A case of intercostal hernia in a patient with mixed respiratory insufficiency] Bettler S, et al. **Rev Med Suisse Romande** 1980 May;100(5):443–5 **(Fre)**

[Possible role of serotonin in the etiology of platelet hyperaggregation after bloodletting in patients with chronic respiratory insufficiency] Cordova C, et al. **Clin Ter** 1979 Sep 15;90(5):489–501 (Eng. Abstr.) **(Ita)**

[Respiratory and circulatory failures in Bochdalek hernia (author's transl)] Nakahara K, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1980 Sep;28(9):1413–20 (Eng. Abstr.) **(Jpn)**

[Pathogenesis of hepatic changes in chronic respiratory insufficiency] Cruz Hernández JJ, et al. **Rev Clin Esp** 1980 Aug 15–31;158(3–4):115–20 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

A physiologic study on respiratory handicap of the laryngectomized. Togawa K, et al. **Arch Otorhinolaryngol** 1980;229(1):69–79

Severe breathlessness, respiratory failure, and asphyxia. Parry-Jones OC, et al. **Br Med J [Clin Res]** 1981 Feb 7; 282(6262):441–3

Evaluation of an 'in vivo' PaO2 and PaCO2 monitor in the management of respiratory failure. Carlon GC, et al. **Crit Care Med** 1980 Jul;8(7):410–3

A system to measure functional residual capacity in critically ill patients. Paloski WH, et al. **Crit Care Med** 1981 Apr; 9(4):342–6

Bedside monitoring of respiratory function. Hunter PM. **Nurs Clin North Am** 1981;16(2):211–24

Assessment of the individual with altered respiratory function. Rokosky JS. **Nurs Clin North Am** 1981; 16(2):195–209

[The patient with chronic insufficiency. Right catheterism for acute distress (author's transl)] Pourriat JL, et al. **Anesth Analg (Paris)** 1981;38(3–4):147–53 (Eng. Abstr.) **(Fre)**

[Respiratory disorder in ankylosing spondylitis] Würkert K, et al. **Med Welt** 1981 Jul 3;32(27):1074–6 **(Ger)**

[Airways resistance breathing BTPS air and room air with electronic BTPS correction (author's transl)] Meyer-Erkelenz JD, et al. **Prax Klin Pneumol** 1980 Aug; 34(8):455–60 (Eng. Abstr.) **(Ger)**

[Atrial dissociation simulated by respiratory artifacts. Case report] Oreto G, et al. **G Ital Cardiol** 1980;10(7):926–32 (Eng. Abstr.) **(Ita)**

[Graphic analysis and prognostic evaluation method in ventilation insufficiency of the lungs] Repin IuM. **Grudn Khir** 1980 Sep–Oct;(5):77–9 **(Rus)**

[Definition of the concepts of the form and degree of respiratory failure] Klement RF. **Probl Tuberk** 1981; (3):20–3 (Eng. Abstr.) **(Rus)**

[Crucial problems in respiratory failure] Shik LL. **Probl Tuberk** 1981;(3):17–9 (Eng. Abstr.) **(Rus)**

[Significance of the oxygen test in assessing respiratory insufficiency in lung diseases] Koledenok VI, et al. **Voen Med Zh** 1980 Nov;(11):33–5 **(Rus)**

DRUG THERAPY

Action of a mucolytic in the first 72 hours after abdominal surgery. Concerning 34 patients with respiratory insufficiency. Devaux C, et al. **Acta Anaesthesiol Belg** 1980; 31 Suppl:137–46

Paraquat poisoning in a child: vitamin E in amelioration of lung injury [letter] Shahar E, et al. **Arch Dis Child** 1980 Oct;55(10):830–1

Drug treatment of breathlessness: contrasting effects of diazepam and promethazine in pink puffers. Woodcock AA, et al. **Br Med J [Clin Res]** 1981 Aug 1;283(6287):343–6

Use of extra-corporeal membrane oxygenation (membrane lung) in acute respiratory failure. Udwadia FE, et al. **Indian J Chest Dis Allied Sci** 1980 Jan–Mar;22(1):59–68

Doxapram in respiratory failure. A case presentation. Kwik RS. **Middle East J Anaesthesiol** 1980 Jun;5(7):495–9

[Effect of almitrine on arterial gases in patients with chronic respiratory insufficiency. Comparison with doxapram. Preliminary results] Marcq M, et al. **Rev Inst Hyg Mines (Hasselt)** 1979;34(3):141–9 (Eng. Abstr.) **(Dut, Fre)**

[Doxapram in stable obstructive chronic respiratory insufficiency. A prospective study on 15 cases (author's transl)] Mornet M. **Poumon Coeur** 1980 Sep–Oct; 36(5):349–52 (Eng. Abstr.) **(Fre)**

[Tiaramide in the treatment of patients with respiratory insufficiency. Clinical and laboratory evaluations of a group of 60 patients] Ferrari S, et al. **Clin Ter** 1980 Apr 15; 93(1):47–77 (Eng. Abstr.) **(Ita)**

[Treatment of rhythm disorders in patients with chronic respiratory insufficiency] Bueno Jiménez C. **Rev Clin Esp** 1980 Oct 15;159(1):73–4 **(Spa)**

ETIOLOGY

Liver herniation presenting as respiratory distress and cardiomegaly. Hofschire PJ, et al. **Am J Dis Child** 1980 Nov;134(11):1091–2

Respiratory distress secondary to pulmonary leukemia. Kelleher JF Jr, et al. **Am J Dis Child** 1981 Aug;135(8):716–8

Pulmonary alveolar proteinosis: an uncommon cause of chronic neonatal respiratory distress. Coleman M, et al. **Am Rev Respir Dis** 1980 Mar;121(3):583–6

Diaphragm paralysis and ventilatory failure in chronic proximal spinal muscular atrophy. Haas H, et al. **Am Rev Respir Dis** 1981 Apr;123(4 Pt 1):465–7

Scoliosis and kyphoscoliosis [letter] Kryger MH, et al. **Am Rev Respir Dis** 1981 Jul;124(1):99–100

Chronic eosinophilic pneumonia: an unusual cause of acute respiratory failure. Libby DM, et al. **Am Rev Respir Dis** 1980 Sep;122(3):497–500

Hyperkalaemia presenting as ventilatory failure. Barker GL. **Anaesthesia** 1980 Sep;35(9):885–6

Accidental intrapulmonary Clinifeed. Harvey PB, et al. **Anaesthesia** 1981 May;36(5):518–22

Acetazolamide in the treatment of ventilatory failure complicating acute metabolic alkalosis. Dickinson GE, et al. **Anesth Analg (Cleve)** 1981 Aug;60(8):608–10

Valve misassembly--manually operated resuscitation bag [letter] Dolan PF, et al. **Anesth Analg (Cleve)** 1981 Jan; 60(1):66–7

Nutrition for the patient with respiratory failure: glucose vs. fat. Askanazi J, et al. **Anesthesiology** 1981 May;54(5):373–7

Postoperative respiratory failure following intercostal block. Cory PC, et al. **Anesthesiology** 1981 May;54(5):418–9

Acute respiratory failure during therapy for salicylate intoxication. Zimmerman GA, et al. **Ann Emerg Med** 1981 Feb;10(2):104–6

Chronic granulocyte leukemia with respiratory distress. Efficacy of emergency leukapheresis. Karp DD, et al. **Arch Intern Med** 1981 Sep;141(10):1353–4

Aberrant cervical thymus. A rare cause of acute respiratory distress. McLeod DM, et al. **Arch Otolaryngol** 1981 Mar; 107(3):179–80

Secondary drowning in children. Pearn JH. **Br Med J** 1980 Oct 25;281(6248):1103–5

Bleomycin and subsequent anaesthesia: a retrospective study at Vancouver General Hospital. Douglas MJ, et al. **Can Anaesth Soc J** 1980 Sep;27(5):449–52

Respiratory failure and acute leukemia [letter] Nelson SC, et al. **Chest** 1980 Nov;78(5):799

Respiratory failure due to Strongyloides stercoralis in a patient with a renal transplant. Venizelos PC, et al. **Chest** 1980 Jul;78(1):104–6

Left perihilar density in a patient with respiratory failure. Goldberg A, et al. **Clin Notes Respir Dis** 1981 Summer; 20(1):12–3

Dyspnea as the presenting symptom of thyroid disease. Two unusual cases. Leigh M, et al. **Clin Pediatr (Phila)** 1980 Nov;19(11):773–4

Rapidly fatal respiratory failure and angioimmunoblastic lymphadenopathy: possible contributions of immunoblastic leukaemia, chemotherapy, and multiple antibodies directed against mature blood cells. Trenchard PM, et al. **J Clin Pathol** 1981 May;34(5):486–94

Disseminated coccidioidomycosis with respiratory failure presenting in Florida. Allen WG, et al. **J Fla Med Assoc** 1981 May;68(5):365–8

Hypophosphatemia as a possible cause of acute respiratory failure. Affarah H, et al. **J Med Liban** 1980;31(3):229–34

Tolazoline therapy for persistent pulmonary hypertension after congenital diaphragmatic hernia repair. Bloss RS, et al. **J Pediatr** 1980 Dec;97(6):984–8

The effects of intrapleural pressure on respiratory insufficiency. Ramenofsky ML. **J Pediatr Surg** 1979 Dec; 14(6):750–6

Vascular rings necessitating right thoracotomy. McFaul R, et al. **J Thorac Cardiovasc Surg** 1981 Aug;82(2):306–9

Reaction to albumin [letter] Paul K, et al. **JAMA** 1981 Jan 16;245(3):234–5

Epidural narcotics and dural puncture [letter] Welch DB. **Lancet** 1981 Jan 3;1(8210):55

Acute respiratory failure and chronic obstructive lung disease: recent advances. Bone RC. **Med Clin North Am** 1981 May;65(3):563–78

Respiratory distress and Arnold-Chiari malformation. Papasozomenos S, et al. **Neurology (NY)** 1981 Jan; 31(1):97–100

Leukocyte antibody transfusion reaction; pulmonary manifestation. Jagathambal K, et al. **NY State J Med** 1980 Aug;80(9):1422–6

Respiratory failure in the adult with chronic bronchitis and emphysema. Flenley DC. **Practitioner** 1980 Dec; 224(1350):1251–8

Respiratory failure with normal lungs. Harrison RN. **Practitioner** 1980 Dec;224(1350):1261–5

Respiratory insufficiency associated with acute intermittent porphyria. Greenspan GH, et al. **South Med J** 1981 Aug; 74(8):954–6, 959

Respiratory care in cardiac failure and pulmonary embolism. Austin GL, et al. **Surg Clin North Am** 1980 Dec; 60(6):1565–77

Pulmonary injury caused by free fatty acid: evaluation of steroid and albumin therapy. Broe PJ, et al. **Surgery** 1981 May;89(5):582–7

Ventilatory failure in the Guillain-Barré syndrome. Massam M, et al. **Thorax** 1980 Jul;35(7):557–8

Respiratory distress secondary to bilateral phrenic nerve dysfunction. Potter CR. **Trans Pa Acad Ophthalmol Otolaryngol** 1981 Spring; 34(1):53–5

[Respiratory insufficiency in kyphoscolioses (author's transl)] Laaban JP, et al. **Poumon Coeur** 1980 Sep–Oct;36(5):335–43 (39 ref.) (Eng. Abstr.) **(Fre)**

[Double aortic arch--a respiratory emergency] Kienast W, et al. **Kinderaerztl Prax** 1980 Aug;48(8):417–23 (Eng. Abstr.) **(Ger)**

[Clinical features of chronic respiratory insufficiency] Matthys H. **Schweiz Med Wochenschr** 1980 Dec 13; 110(50):1901–7 (Eng. Abstr.) **(Ger)**

[Acute respiratory insufficiency caused by tracheal compression in thyroid disease] Bazzocchi R, et al. **Ann Ital Chir** 1980;52(2):197–207 **(Ita)**

[Phenomena of re-acutization in respiratory insufficiency] Micillo E, et al. **Arch Monaldi** 1980 Jan–Apr;35(1–2):61–78 **(Ita)**

[The pancreatico-respiratory syndrome. Problems of intensive therapy and illustration of 5 clinical cases] Cardaci SB, et al. **Minerva Anestesiol** 1979 Oct;45(10):779–92 (Eng. Abstr.) **(Ita)**

[Acute respiratory insufficiency in traumatic tetraplegia] Hachen HJ. **Minerva Anestesiol** 1979 Apr;45(4):227–32 (Eng. Abstr.) **(Ita)**

[Pulmonary complications and respiratory insufficiency in acute pancreatitis] Ancyparowicz S, et al. **Pol Tyg Lek** 1980 Nov 24;35(47):1841–3 (28 ref.) **(Pol)**

[Respiratory insufficiency in thermal burns of the respiratory tract] Sologub VK, et al. **Klin Med (Mosk)** 1980 Oct; 58(10):83–6 (Eng. Abstr.) **(Rus)**

[Syndrome of acute pulmonary insufficiency in acute pancreatitis (review of the non-Soviet literature)] Kubyshkin VA, et al. **Vestn Khir** 1980 Jul;125(7):132–7 (30 ref.) **(Rus)**

METABOLISM

Continuous transcutaneous oxygen monitoring during respiratory failure, cardiac decompensation, cardiac arrest, and CPR. Transcutaneous oxygen monitoring during arrest and CPR. Tremper KK, et al. **Crit Care Med** 1980 Jul; 8(7):377–81

Bradykinin production and increased pulmonary endothelial permeability during acute respiratory failure in unanesthetized sheep. O'Brodovich HM, et al. **J Clin Invest** 1981 Feb;67(2):514–22

Concentrations of plasma and cerebrospinal fluid-free amino acids in hypercapnic coma and acute respiratory failure. Ranieri R, et al. **Resuscitation** 1980 Mar;8(1):77–83

MORTALITY

Synergistic effect of acute renal failure and respiratory failure in the surgical intensive care unit. Sweet SJ, et al. **Am J Surg** 1981 Apr;141(4):492–6

Cardiopulmonary resuscitation: analysis of six years' experience and review of the literature. DeBard ML. **Ann Emerg Med** 1981 Aug;10(8):408–16

[Acute respiratory insufficiency in chronic bronchopneumopathies. Prognostic factors. Apropos of 304 cases] Mantz JM, et al. **Ann Anesthesiol Fr** 1980; 21(3):228–36 **(Fre)**

NURSING

When hope dies--so might the patient. Dubree M, et al. **Am J Nurs** 1980 Nov;80(11):2046–9

Mechanical ventilation: patient assessment and nursing care. Nielsen L. **Am J Nurs** 1980 Dec;80(12):2191–217
Adult respiratory medical emergencies. Hall JP, et al. **Nurs Clin North Am** 1981 Mar;16(1):75–84

OCCURRENCE

[Incidence and types of cardiac arrhythmia in chronic respiratory insufficiency] Bueno Jiménez C, et al. **Rev Clin Esp** 1980 Oct 15;159(1):27–31 (Eng. Abstr.) **(Spa)**

PATHOLOGY

[The pathogenesis of hematoxylin bodies--observations on an experimental model in animals (author's transl)] Hundsdörfer S, et al. **Z Erkr Atmungsorgane** 1980; 154(1):60–5 (Eng. Abstr.) **(Ger)**
[Brain steam encephalitis caused by herpesvirus hominis died of acute respiratory failure--report of a case with autopsy (author's transl)] Ito K, et al. **No To Shinkei** 1980 Jun; 32(6):571–8 (Eng. Abstr.) **(Jpn)**
[Acute respiratory insufficiency. Clinico-pathologic conference] Favez G, et al. **Schweiz Med Wochenschr** 1980 Dec 13;110(50):1914–22 **(Mul)**
[Morphology of the acute respiratory insufficiency syndrome during resuscitation and intensive therapy] Sapozhnikova MA, et al. **Arkh Patol** 1980;42(10):50–5 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Control of cardiac output by systemic vessels. Circulatory adjustments to acute and chronic respiratory failure and the effect of therapeutic interventions. Goldberg HS, et al. **Am J Cardiol** 1981 Mar;47(3):696–702 (13 ref.)
Time course and mechanisms of lung-volume increase with PEEP in acute pulmonary failure. Katz JA, et al. **Anesthesiology** 1981 Jan;54(1):9–16
Respiratory failure. Definition, mechanisms and recent developments. Campbell EJ. **Bull Eur Physiopathol Respir** 1979;15 Suppl:1–13
Methods and results of assessing the hypoxic ventilatory drive in patients and normal subjects. Flenley DC. **Bull Eur Physiopathol Respir** 1979;15 Suppl:223–31
Inspiratory muscle fatigue and acute respiratory failure. Roussos C, et al. **Can Med Assoc J** 1980 Jun 21; 122(12):1375–7
Measurement of shunt in respiratory failure [letter] **Chest** 1980 Dec;78(6):898–900
Effects of sighs and different tidal volumes on compliance, functional residual capacity and arterial oxygen tension in normal and hypoxemic dogs. Balsys AJ, et al. **Crit Care Med** 1980 Nov;8(11):641–5
Assessment of total pulmonary airway resistance under mechanical ventilation. Gómez Rubí JA, et al. **Crit Care Med** 1980 Nov;8(11):633–6
Pulmonary function in chronic respiratory failure of infancy. Loeber NV, et al. **Crit Care Med** 1980 Oct;8(10):597–601
Acute respiratory failure. Hammond GL. **Surg Clin North Am** 1980 Oct;60(5):1131–49
[The role of monitoring CO2 diffusion for deciding when to stop artificial ventilation in patients with chronic obstructive respiratory insufficiency in acute respiratory insufficiency] Muir JF, et al. **Agressologie** 1980;21(B):81–8 (Eng. Abstr.) **(Fre)**
[Routine bedside measurement of arterio-alveolar CO2 difference (author's transl)] Dautzenberg B, et al. **Nouv Presse Med** 1980 Aug 30–Sep 6;9(31):2129–32 (Eng. Abstr.) **(Fre)**
[Administration of salbutamol in intensive care. Effect on respiratory functions of 14 patients with acute respiratory failure and mechanical ventilation (author's transl)] Bonmarchand G, et al. **Poumon Coeur** 1980 Sep–Oct; 36(5):305–8 (Eng. Abstr.) **(Fre)**
[Physiopathology of chronic respiratory insufficiency] Junod AF. **Schweiz Med Wochenschr** 1980 Dec 13; 110(50):1896–1901 (Eng. Abstr.) **(Fre)**
[Computer evaluation of hemodynamic changes during mechanical ventilation with a body respirator] Schiavoni G, et al. **Minerva Med** 1980 Nov 14;71(45):3339–44 (Eng. Abstr.) **(Ita)**
[Experimental evaluation of assisted extracorporeal circulation for pulmonary failure in dogs with special reference to hemodynamic changes (author's transl)] Tomosawa N. **Nippon Geka Hokan** 1979 Mar 1; 48(2):205–16 (Eng. Abstr.) **(Jpn)**
[Morphofunctional characteristics of acute respiratory failure in closed chest injury] Sapozhnikova MA, et al. **Arkh Patol** 1981;43(6):65–71 (Eng. Abstr.) **(Rus)**
[External respiratory function in the newborn infants of mothers with diabetes mellitus] Vasil'eva Olu, et al. **Pediatriia** 1981 Feb;(2):35–6 (Eng. Abstr.) **(Rus)**
[The significance of a functional pulmonary veno-arterious shunt in patients wit acute respiratory insufficiency (author's transl)] Pilaš V, et al. **Lijec Vjesn** 1980 Apr; 102(4):202–4 (Eng. Abstr.) **(Scr)**
[Fibrosing alveolitis and respiratory insufficiency] Cano-Valle F, et al. **Gac Med Mex** 1980 Aug;116(8):365–70 **(Spa)**

PREVENTION & CONTROL

The effects of indoramin on histamine and antigen-induced changes in respiration in guinea-pigs. Hamer C, et al. **Agents Actions** 1980 Nov;10(5):399–402
Neonatal respiratory distress. Fleming PJ. **Practitioner** 1980 Dec;224(1350):1239–44
Prevention of multiple systems failure. Baue AE, et al. **Surg Clin North Am** 1980 Oct;60(5):1167–78
[Tracheostomy in the treatment of patients with quadriplegia] Kiwerski J, et al. **Pol Tyg Lek** 1981 Feb 23;36(8):281–4 (Eng. Abstr.) **(Pol)**
[Prevention of lung and heart failure in chronic nonspecific respiratory organ diseases] Daniliak IG, et al. **Kardiologiia** 1980;20(12):92–5 (Eng. Abstr.) **(Rus)**
[Prevention and treatment of acute respiratory insufficiency in the early postoperative period after an operation on the abdominal organs] Chepkii LP, et al. **Klin Khir** 1980 Dec; (12):24–7 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

[Psychosomatic of acute respiratory-distress from the point of view of family dynamic (author's transl)] Mangold B. **Paediatr Padol** 1981;16(2):243–55 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Noninvasive radiographic assessment of cardiovascular function in acute and chronic respiratory failure. Berger HJ, et al. **Am J Cardiol** 1981 Apr;47(4):950–62 (58 ref.)
Respiratory distress in the newborn: radiological approach, differential diagnosis. Bomsel F, et al. **J Belge Radiol** 1980; 63(1):89–107
[Radiological lung changes in acute respiratory insufficiency--so-called shock lung (author's transl)] Jänsch A, et al. **ROEFO** 1980 Feb;132(2):157–63 (Eng. Abstr.) **(Ger)**

REHABILITATION

[Exercise program for the rehabilitation of patients with chronic severe respiratory failure (author's transl)] Sasaki T. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Oct; 18(10):711–8 (Eng. Abstr.) **(Jpn)**

SURGERY

[Chronic respiratory insufficiency and the effectiveness of lung resection in suppurative diseases] Kogosov IuA, et al. **Klin Khir** 1980 Oct;(10):17–9 (Eng. Abstr.) **(Rus)**
[Functional operability in lung diseases complicated by pronounced ventilatory failure] Repin IuM, et al. **Vestn Khir** 1981 Mar;126(3):11–5 (Eng. Abstr.) **(Rus)**
[The importance of consultation in anesthesiology. Apropos of hepatic changes in cardio-respiratory insufficiency] Muriel Villoria C. **Rev Esp Anestesiol Reanim** 1980 May; 27(3):272–9 **(Spa)**

THERAPY

Cardio-respiratory emergency: synoptic table for immediate diagnosis and action. Lamy M, et al. **Acta Anaesthesiol Belg** 1980;31(4):285–7
Effects of the administration of O2 on ventilation and blood gases in patients with chronic obstructive pulmonary disease during acute respiratory failure. Aubier M, et al. **Am Rev Respir Dis** 1980 Nov;122(5):747–54
The effects of intermittent positive pressure breathing on patients with respiratory muscle weakness. De Troyer A, et al. **Am Rev Respir Dis** 1981 Aug;124(2):132–7
Membrane lungs for acute respiratory failure: current status. Zapol WM, et al. **Am Rev Respir Dis** 1980 Jun;121(6):907–9
Veno-venous extra-corporeal membrane oxygenation. Hopkinson R, et al. **Anaesthesia** 1981 Jul;36(7):688–90
Do changes in lung compliance allow the determination of 'optimal PEEP'? Falke KJ. **Anaesthesist** 1980 Apr; 29(4):165–8
Goal-directed therapy of acute respiratory failure. Gallagher TJ, et al. **Anesth Analg (Cleve)** 1980 Nov;59(11):831–4
Measurement of functional residual capacity during mechanical ventilation by simultaneous exchange of two insoluble gases. Ozanne GM, et al. **Anesthesiology** 1981 May;54(5):413–7
One-year experience with the tracheo-esophageal airway. Berdeen TN. **Ann Emerg Med** 1981 Jan;10(1):25–7
Gastroplasty for respiratory insufficiency of obesity. Sugerman HJ, et al. **Ann Surg** 1981 Jun;193(6):677–85
Extracorporeal membrane oxygenator support in a case of severe status asthmaticus. MacDonnell KF, et al. **Ann Thorac Surg** 1981 Feb;31(2):171–5
Night ventilation by body respirators for patients in chronic respiratory failure due to late stage Duchenne muscular dystrophy. Curran FJ. **Arch Phys Med Rehabil** 1981 Jun; 62(6):270–4
A graphic approach for prediction of arterial oxygen tension at different concentrations of inspired oxygen. Gross R, et al. **Chest** 1981 Mar;79(3):311–5
Successful treatment by plasmapheresis of respiratory insufficiency in myasthenia gravis. Gerlag PG, et al. **Clin Neurol Neurosurg** 1980;82(4):237–43
Initial experience with a 'code-no code' resuscitation system in cancer patients. Arena FP, et al. **Crit Care Med** 1980 Dec;8(12):733–5
Critically ill ICU patients requiring ventilatory support [letter] Byrick RJ, et al. **Crit Care Med** 1981 Apr;9(4):355
Pulmonary venous admixture during mechanical ventilation with varying FIO2 and PEEP. Carlon GC, et al. **Crit Care Med** 1980 Nov;8(11):616–9
Clinical experience with high frequency jet ventilation. Carlon GC, et al. **Crit Care Med** 1981 Jan;9(1):1–6
Metabolic and nutritional evaluation of patients supported with mechanical ventilation. Hunker FD, et al. **Crit Care Med** 1980 Nov;8(11):628–32
Continuous positive airway pressure (CPAP) by face mask. Smith RA, et al. **Crit Care Med** 1980 Sep;8(9):483–5
Intermittent mandatory ventilation and positive end-expiratory pressure in acute ventilatory insufficiency. Civetta JM. **Int Anesthesiol Clin** 1980 Summer;18(2):123–42 (43 ref.)
Controlled ventilation with best positive end-expiratory pressure (PEEP) and high level PEEP in acute respiratory failure (ARF). Jardin F, et al. **Intensive Care Med** 1981; 7(4):171–6
Effects of PEEP on pulmonary mechanics and oxygen transport in the late stages of acute pulmonary failure. Klose R, et al. **Intensive Care Med** 1981;7(4):165–70
Surface activity following natural surfactant treatment in premature lambs. Ikegami M, et al. **J Appl Physiol** 1981 Aug;51(2):306–12
Electrophysiological evaluation of phrenic nerve function in candidates for diaphragm pacing. Shaw RK, et al. **J Neurosurg** 1980 Sep;53(3):345–54
Technical aspects in the management of the meconium aspiration syndrome with extracorporeal circulation. German JC, et al. **J Pediatr Surg** 1980 Aug;15(4):378–83
Management of respiratory failure: oxygen therapy. Flenley DC. **J R Coll Physicians Lond** 1980 Jul;14(3):157–60
Deep venous thrombosis and pulmonary embolism. Frequency in a respiratory intensive care unit. Moser KM, et al. **JAMA** 1981 Sep 25;246(13):1422–4
Does intermittent mandatory ventilation accelerate weaning? Schachter EN, et al. **JAMA** 1981 Sep 11;246(11):1210–4
Treatment of acute pulmonary failure by CPAP via face mask: when can intubation be avoided? Suter PM, et al. **Klin Wochenschr** 1981 Jun 15;59(12):613–6
Oxygen distribution during extracorporeal oxygenation for acute respiratory failure--comparison between venoarterial and venovenous bypass. Matsuda M. **Nippon Geka Hokan** 1979 Mar 1;48(2):121–34
Management of severe respiratory failure. Weinstein ME, et al. **Surg Clin North Am** 1980 Dec;60(6):1403–12
Extracorporeal membrane oxygenation (ECMO) in the treatment of cardiac and respiratory failure in children. Bartlett RH, et al. **Trans Am Soc Artif Intern Organs** 1980; 26:578–81
[Symposium: the problems in the prevention and treatment of acute circulatory failure, acute respiratory failure and acute renal failure (author's transl)] Lu JJ. **Chung Hua Nei Ko Tsa Chih** 1981 Jan;20(1):47–50 **(Chi)**
[Management of acute respiratory failure after thoracic surgery (author's transl)] Qiu XS. **Chung Hua Wai Ko Tsa Chih** 1979;17(3):173–6 **(Chi)**
[Early diagnosis and treatment of postoperative acute pulmonary failure (author's transl)] Wang XC. **Chung Hua Wai Ko Tsa Chih** 1979;17(4):277–9 **(Chi)**
[Treatment of isolated postoperative respiratory complications by constant positive pressure in spontaneous ventilation] Bourrelli B, et al. **Ann Anesthesiol Fr** 1980; 21(4):399–406 (Eng. Abstr.) **(Fre)**
[Criteria for admission of patients with chronic respiratory insufficiency] Picard JP. **Ann Anesthesiol Fr** 1980; 21(3):265–6 **(Fre)**
[The artificial lung in acute respiratory insufficiency: a failure? (editorial)] Lemaire F. **Nouv Presse Med** 1980 Dec 20;9(48):3677–9 **(Fre)**
[Mechanical ventilation in the treatment of acute respiratory insufficiency in asthma] Darioli R, et al. **Schweiz Med Wochenschr** 1981 Feb 7;111(6):194–6 (Eng. Abstr.) **(Fre)**
[Parenteral feeding of patients with respiratory insufficiency. Preliminary report] Georgieff K, et al. **Infusionsther Klin Ernaehr** 1981 Feb;8(1):35 **(Ger)**
[Early PEEP for improvement of prognosis in patients with acute respiratory insufficiency (author's transl)] Weilemann LS, et al. **Klin Wochenschr** 1981 Jun 15;59(12):607–12 (Eng. Abstr.) **(Ger)**
[Therapy of chronic respiratory insufficiency] Keller R, et al. **Schweiz Med Wochenschr** 1980 Dec 13;110(50):1907–14 (Eng. Abstr.) **(Ger)**
[Laryngoscopy of laryngeal damage in long-term intubated intensive care patients] Kopp KH, et al. **Schweiz Med Wochenschr** 1981 Jun 27;111(26):1010–3 (Eng. Abstr.) **(Ger)**
[Acute respiratory insufficiency--considerations and experiences concerning prophylaxis and therapy (author's transl)] Briem A, et al. **Wien Med Wochenschr** 1981 Apr 15;131(7):175–9 (Eng. Abstr.) **(Ger)**
[Oxygen-therapy by means of a rental-system (author's transl)] Liebetrau G, et al. **Z Erkr Atmungsorgane** 1980 May;155(2):225–7 (Eng. Abstr.) **(Ger)**
[Prolonged use of N-acetyl-cysteine by oral route] Saraiva PA, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1980 Apr; 35(2):56–9 (Eng. Abstr.) **(Por)**
[Extracorporeal membrane oxygenation in acute respiratory failure] Karasev AB, et al. **Anesteziol Reanimatol** 1981 Jan-Feb;(1):65–9 (54 ref.) **(Rus)**
[Respiratory insufficiency in acute polyradiculoneuritis and polyneuropathies and the results of treatment with prolonged artificial pulmonary ventilation] Oganesian ShS.

Anesteziol Reanimatol 1980 Sep–Oct;(5):46–9 (Eng. Abstr.) **(Rus)**

[Extracorporeal auxiliary arteriovenous oxygenation in acute ventilation respiratory insufficiency] Pisarevskiĭ AA, et al. **Anesteziol Reanimatol** 1980 Sep–Oct;(5):58–61 (Eng. Abstr.) **(Rus)**

[Intensive therapy of children with acute respiratory insufficiency in complicated forms of destructive pneumonia] Kondranin GV, et al. **Pediatriia** 1980 Jul; (7):26–8 **(Rus)**

[Characteristics of gas exchange and correction of its disorders in elderly patients with peritonitis in the early postoperative period] Chepkiĭ LP, et al. **Vestn Khir** 1981 Jun;126(6):62–6 **(Rus)**

[Use of emergency tracheotomy and endotracheal intubation in acute respiratory insufficiency] Antić JB. **Srp Arh Celok Lek** 1981;108(6):639–44 **(Scc)**

[Use of final positive expiratory pressure (FPEEP) in the management of acute respiratory insufficiency] Sandoval Zárate J, et al. **Arch Inst Cardiol Mex** 1980 Jul–Aug; 50(4):487–95 (Eng. Abstr.) **(Spa)**

VETERINARY

Sudden death in dogs due to acute respiratory failure. Bomzon L, et al. **Vet Rec** 1980 Aug 2;107(5):112

RESPIRATORY PARALYSIS

COMPLICATIONS

Paralysis of diaphragm complicating central venous alimentation. Lam DS, et al. **Am J Dis Child** 1981 Apr; 135(4):382

Status asthmaticus complicated by transient phrenic nerve paralysis. Rohatgi N, et al. **Ann Allergy** 1980 Sep; 45(3):177–9

[Diaphragmatic eventration and phrenic paralysis in children (author's transl)] Jaubert de Beaujeu M, et al. **Ann Chir** 1981;35(3):241–5 (Eng. Abstr.) **(Fre)**

[Gastrointestinal symptoms–– peripheral nerve syndrome––respiratory paralysis] Barocka A, et al. **Fortschr Med** 1980 Oct 9;98(38):1456–60 **(Ger)**

DIAGNOSIS

Adult-onset acid maltase deficiency presenting as diaphragmatic paralysis. Sivak ED, et al. **Ann Neurol** 1981 Jun;9(6):613–5

ETIOLOGY

Acute diaphragmatic paralysis after chest tube placement in a neonate. Philipps AF, et al. **AJR** 1981 Apr;136(4):824–5

Hypokalemic respiratory muscle paralysis following Strongyloides stercoralis hyperinfection: a case report. da Silva OA, et al. **Am J Trop Med Hyg** 1981 Jan;30(1):69–73

Diaphragm paralysis and ventilatory failure in chronic proximal spinal muscular atrophy. Haas H, et al. **Am Rev Respir Dis** 1981 Apr;123(4 Pt 1):465–7

Respiratory and bulbar paralysis with relapsing hyperthyroidism. Edelman J, et al. **Br Med J [Clin Res]** 1981 Jul 25;283(6286):275–6

Phrenic nerve injury associated with venipuncture of the internal jugular vein. Vest JV, et al. **Chest** 1980 Nov; 78(5):777–9

Unilateral diaphragmatic paralysis in spinal cord injury patients. Carter RE. **Paraplegia** 1980 Aug;18(4):267–74

[Traumatic diaphragmatic paralysis (author's transl)] Frings N, et al. **Unfallheilkunde** 1981 Feb;84(2):80–5 (Eng. Abstr.) **(Ger)**

[Artificial respiration with phrenic nerve stimulation in a 10-year-old boy with respiratory paralysis] Blom S, et al. **Lakartidningen** 1981 Jan 21;78(4):267–70 (Eng. Abstr.) **(Swe)**

PHYSIOPATHOLOGY

Gas exchange problems in bilateral diaphragm paralysis. Loh L, et al. **Bull Eur Physiopathol Respir** 1979;15 Suppl:137–43

Regional lung function in bilateral diaphragmatic paralysis. Amis TC, et al. **Clin Sci** 1980 Dec;59(6):485–92

Function of the diaphragm before and after plication. Schonfeld T, et al. **Thorax** 1980 Aug;35(8):631–2

[Central hemodynamics in extensive paralysis during years of artificial pulmonary ventilation] Dorogovtsev VN. **Anesteziol Reanimatol** 1980 Nov–Dec;(6):7–9 (Eng. Abstr.) **(Rus)**

REHABILITATION

Serial phrenic nerve conduction studies in candidates for diaphragm pacing. Lieberman JS, et al. **Arch Phys Med Rehabil** 1980 Nov;61(11):528–31

Ventilatory dysfunction and respiratory rehabilitation in post-traumatic quadriplegia. Huldtgren AC, et al. **Eur J Respir Dis** 1980 Dec;61(6):347–56

THERAPY

The treatment of respiratory paralysis by diaphragm pacing. Glenn WW. **Ann Thorac Surg** 1980 Aug;30(2):106–9

Neurogenic respiratory failure: a 5-year experience using implantable phrenic nerve stimulators. Oakes DD, et al. **Ann Thorac Surg** 1980 Aug;30(2):118–21

Phrenic nerve conduction studies: a new technique and its application in quadriplegic patients. MacLean IC, et al. **Arch Phys Med Rehabil** 1981 Feb;62(2):70–3

Delayed recovery from respiratory paralysis due to the Guillain–Barre syndrome [letter] Knoedler JP, et al. **Chest** 1981 Jul;80(1):119–20

Bilateral diaphragmatic paralysis in the newborn infant. Aldrich TK, et al. **J Pediatr** 1980 Dec;97(6):988–91

Management of diaphragmatic paralysis in infants with special emphasis on selection of patients for operative plication. Haller JA Jr, et al. **J Pediatr Surg** 1979 Dec; 14(6):779–85

Ventilatory support of the quadriplegic patient with respiratory paralysis by diaphragm pacing. Glenn WW, et al. **Surg Clin North Am** 1980 Oct;60(5):1055–78

[22 years of uninterrupted artificial pulmonary ventilation in respiratory muscle paralysis] Popova LM. **Anesteziol Reanimatol** 1980 Nov–Dec;(6):3–7 (Eng. Abstr.) **(Rus)**

RESPIRATORY PROTECTIVE DEVICES see under **PROTECTIVE DEVICES**

RESPIRATORY SOUNDS

Esophageal foreign body as a cause of respiratory symptoms. Puig-Abuli M, et al. **Acta Paediatr Belg** 1980 Jul–Sep; 33(3):183–4

Determination of the site of production of respiratory sounds by subtraction phonopneumography. Kraman SS. **Am Rev Respir Dis** 1980 Aug;122(2):303–9

Lung sounds in patients with emphysema. Ploysongsang Y, et al. **Am Rev Respir Dis** 1981 Jul;124(1):45–9

Etiology of stridor in the neonate, infant and child. Holinger LD. **Ann Otol Rhinol Laryngol** 1980 Sep–Oct;89(5 Pt 1):397–400

Nocturnal wheezing in children––management with controlled-release aminophylline [letter] Bulugahapitiya DT, et al. **Br Med J [Clin Res]** 1981 Aug 8;283(6288):436

Nocturnal wheezing in children: management with controlled-release aminophylline. Evans PW, et al. **Br Med J [Clin Res]** 1981 Jul 4;283(6283):18

Pulmonary hypertension in children who snore [letter] Freed D. **Br Med J [Clin Res]** 1981 Jul 18;283(6285):231

Hoarseness and stridor. Ludman H. **Br Med J [Clin Res]** 1981 Feb 28;282(6265):715–7

The bronchial leak squeak: a new sign for the physical diagnosis of bronchopleurocutaneous fistula. Krumpe P, et al. **Chest** 1981 Mar;79(3):336–9

An unusual cause of congenital stridor due to a branchiogenic cyst of the larynx. Singh A, et al. **J Laryngol Otol** 1981 Mar;95(3):323–6

Symposium: The wheezy child. **J R Soc Med** 1979 Jan; 72(1):42–59

Natural history of wheezing in childhood. Blair H. **J R Soc Med** 1979 Jan;72(1):42–8

Emotional considerations in wheezy children. Lask B. **J R Soc Med** 1979 Jan;72(1):56–9

Infections in the wheezy child. Sims DG. **J R Soc Med** 1979 Jan;72(1):54–6

Pulmonary mechanics in early infancy. Subclinical grunting in low-birth-weight infants. Lindroth M, et al. **Pediatr Res** 1981 Jul;15(7):979–84

Supglottic coccidioidomycosis presenting with persistent stridor. Gardner S, et al. **Pediatrics** 1980 Oct;66(4):623–5

[The current trend of lung sounds research (author's transl)] Mikami R. **Nippon Naika Gakkai Zasshi** 1980 Nov; 69(11):1410–23 **(Jpn)**

[The significance of auscultation in the detection of chronic obstructive bronchopulmonary disease] Mimca M, et al. **Acta Med Iugosl** 1980;34(3):231–42 (Eng. Abstr.) **(Scr)**

COMPLICATIONS

Some epidemiological data on snoring and cardiocirculatory disturbances. Lugaresi E, et al. **Sleep** 1980;3(3–4):221–4

CONGENITAL

Connatal Pelizaeus-Merzbacher disease with congenital stridor in two maternal cousins. Renier WO, et al. **Acta Neuropathol (Berl)** 1981;54(1):11–7

Congenital laryngeal stridor secondary to flaccid epiglottis, anomalous accessory cartilages and redundant aryepiglottic folds. Templer J, et al. **Laryngoscope** 1981 Mar;91(3):394–7

DIAGNOSIS

Use of laryngeal sound recordings to monitor apnea. Krumpe PE, et al. **Am Rev Respir Dis** 1980 Nov;122(5):797–801

ABC of 1 to 7. Stridor. Valman HB. **Br Med J [Clin Res]** 1981 Jul 25;283(6286):294–5

Subacute pediatric airway problems. Bosley JH. **Ear Nose Throat J** 1981 Jul;60(7):318–23

Spectral characteristics of normal breath sounds. Gavriely N, et al. **J Appl Physiol** 1981 Feb;50(2):307–14

Unusual cause of stridor-staph mediastinal abscess, case report. Bower RJ, et al. **Mo Med** 1981 Mar;78(3):130–1

Congenital laryngeal anomalies. Cotton RT, et al. **Otolaryngol Clin North Am** 1981 Feb;14(1):203–18

[Otolaryngologic symptoms of congenital cardiovascular anomalies] Lejska V, et al. **Cesk Otolaryngol** 1981 Apr; 30(2):90–3 (Eng. Abstr.) **(Cze)**

ETIOLOGY

Electrocardiographic signs of pulmonary hypertension in children who snore. Wilkinson AR, et al. **Br Med J [Clin Res]** 1981 May 16;282(6276):1579–81

Stridor in infants and children due to esophageal inflammatory disease. Kirks DR, et al. **Gastrointest Radiol** 1980 Nov 15;5(4):321–3

Mechanism of snoring [letter] Ghoneim MM. **JAMA** 1981 May 1;245(17):1729

OCCURRENCE

Wheezing bronchitis in children on a South Pacific Island. Kuberski T, et al. **Am J Trop Med Hyg** 1981 Jan; 30(1):264–72

PHYSIOPATHOLOGY

Persistent wheeze. Its relation to respiratory illness, cigarette smoking, and level of pulmonary function in a population sample of children. Weiss ST, et al. **Am Rev Respir Dis** 1980 Nov;122(5):697–707

Laryngomalacia and inspiratory obstruction in later childhood. Smith GJ, et al. **Arch Dis Child** 1981 May; 56(5):345–9

Allergy and wheezy children. D'Souza MF. **J R Soc Med** 1979 Jan;72(1):48–54

Waveform and spectral analysis of crackles. Mori M, et al. **Thorax** 1980 Nov;35(11):843–50

Auscultation of the lung: past lessons, future possibilities. Murphy RL. **Thorax** 1981 Feb;36(2):99–107

Lung crackles in bronchiectasis. Nath AR, et al. **Thorax** 1980 Sep;35(9):694–9

A curious double reference of mild pain produced by scratching the skin: with a note on the gentle art of snoring. Bean WB. **Trans Am Clin Climatol Assoc** 1979;91:147–57

[Voluntary cough] Kelemen S, et al. **Cesk Fysiol** 1981 May; 30(3):255–7 **(Slo)**

[Tussiphonography] Korpáš J, et al. **Cesk Fysiol** 1981 May; 30(3):261–2 **(Slo)**

PREVENTION & CONTROL

Help a snorer [letter] **JAMA** 1981 May 1;245(17):1729–30

Help a snorer [letter] Broomes EL. **JAMA** 1980 Oct 17; 244(16):1783

PSYCHOLOGY

Functional inspiratory stridor in children. Rogers JH. **J Laryngol Otol** 1980 Jun;94(6):669–70

RADIOGRAPHY

Some cineradiographic aspects of snoring and obstructive apneas. Cirignotta F, et al. **Sleep** 1980;3(3–4):225–6

RESPIRATORY SYNCYTIAL VIRUSES

Respiratory syncytial virus causing neurological disorder in an adult [letter] Tjøtta EA, et al. **Lancet** 1981 Aug 1; 2(8240):260–1

ANALYSIS

Respiratory syncytial virus. II. Isolation and morphology of the glycoproteins. Ueba O. **Acta Med Okayama** 1980 Sep; 34(4):245–54

Nucleic acids of respiratory syncytial virus. Lambert DM, et al. **J Virol** 1980 Dec;36(3):837–46

DRUG EFFECTS

Inhibition of respiratory syncytial virus-host cell interactions by mono- and diamidines. Dubovi EJ, et al. **Antimicrob Agents Chemother** 1981 Apr;19(4):649–56

The stabilization and purification of respiratory syncytial virus using MgSO4. Fernie BF, et al. **Virology** 1980 Oct 15;106(1):141–4

GROWTH & DEVELOPMENT

Morphogenesis and structure of caprine respiratory syncytial virus. Lehmkuhl HD, et al. **Arch Virol** 1980;65(3–4):269–76

Metabolic requirements for the maturation of respiratory syncytial virus. Peeples M, et al. **J Gen Virol** 1980 Sep; 50(1):81–8

A simple and rapid microassay for the titration of human respiratory syncytial virus. Trépanier P, et al. **J Virol Methods** 1980;1(6):343–7

The development of Balb/c cells persistently infected with respiratory syncytial virus: presence of ribonucleoprotein on the cell surface. Fernie BF, et al. **Proc Soc Exp Biol Med** 1981 May;167(1):83–6

IMMUNOLOGY

Detection of respiratory syncytial virus serum antibodies by an ELISA system. Bručková M, et al. **Acta Virol (Praha)** 1981 Jan;25(1):41–8

Effect of vaccinal serum antibodies on bovine respiratory syncytial viral infection in calves. Mohanty SB, et al. **Am J Vet Res** 1981 May;42(5):881–3

Bovine respiratory syncytial virus in Quebec: antibody prevalence and disease outbreak. Elazhary MA, et al. **Can J Comp Med** 1980 Jul;44(3):299–303

Interferon production by human mononuclear leukocytes:

differences between respiratory syncytial virus and influenza viruses. Chonmaitree T, et al. **Infect Immun** 1981 Apr;32(1):300–3

Activation of complement by cells infected with respiratory syncytial virus. Smith TF, et al. **Infect Immun** 1981 Jul; 33(1):43–8

Sensitive plaque neutralization assay for parainfluenza virus types 1, 2, and 3 and respiratory syncytial virus. Hawthorne JD, et al. **J Clin Microbiol** 1981 Apr;13(4):730–7

Comparison of fluorescent-antibody, neutralizing-antibody, and complement-enhanced neutralizing-antibody assays for detection of serum antibody to respiratory syncytial virus. Kaul TN, et al. **J Clin Microbiol** 1981 May; 13(5):957–62

Detection of respiratory syncytial, parainfluenza type 2, and adenovirus antigens by radioimmunoassay and enzyme immunoassay on nasopharyngeal specimens from children with acute respiratory disease. Sarkkinen HK, et al. **J Clin Microbiol** 1981 Feb;13(2):258–65

Respiratory syncytial virus serology by a simplified enzyme-linked immunosorbent assay. Steinhoff MC, et al. **J Clin Microbiol** 1980 Sep;12(3):447–50

Secretion of respiratory syncytial virus inhibitors and antibody in human milk throughout lactation. Toms GL, et al. **J Med Virol** 1980;5(4):351–60

Bronchomammary axis in the immune response to respiratory syncytial virus. Fishaut M, et al. **J Pediatr** 1981 Aug; 99(2):186–91

Immunopathologic mechanisms in lower respiratory tract disease of infants due to respiratory syncytial virus. McIntosh K, et al. **Prog Med Virol** 1980;26:94–118 (108 ref.)

Antibodies to bovine syncytial virus in dairy cattle. Appleby RC. **Vet Rec** 1979 Jul 28;105(4):80–1

[Prospects of respiratory syncytial virus vaccines] Tarro G. **Ann Sclavo** 1980 Jan–Feb;22(1):40–1 (Eng. Abstr.) **(Ita)**

[Serological survey for virus and Mycoplasma infections (author's transl)] Vazzana A, et al. **Ann Sclavo** 1979 Jul–Aug;21(4):419–24 (Eng. Abstr.) **(Ita)**

ISOLATION & PURIFICATION

Isolation of bovine syncytial virus. Maker D, et al. **Aust Vet J** 1980 Mar;56(3):153–4

Modes of transmission of respiratory syncytial virus. Hall CB, et al. **J Pediatr** 1981 Jul;99(1):100–3

Immunohistological demonstration of respiratory syncytial virus antigens in Paget disease of bone. Mills BG, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):1209–13

Virus contamination of bovine testis cell cultures. Luther PD, et al. **Res Vet Sci** 1981 Mar;30(2):251–2

[The role of the respiratory syncytial (RS) virus in bronchiolitis. Clinico-epidemiological and virological study of 33 cases hospitalized in the period February–April 1979] Landucci Rubini L, et al. **Minerva Pediatr** 1980 May 31;32(10):653–62 (Eng. Abstr.) **(Ita)**

METABOLISM

Respiratory syncytial virus proteins: identification by immunoprecipitation. Bernstein JM, et al. **J Virol** 1981 Apr; 38(1):278–85

PHYSIOLOGY

Effect of respiratory syncytial virus and virus-antibody complexes on the oxidative metabolism of human neutrophils. Kaul TN, et al. **Infect Immun** 1981 May; 32(2):649–54

RESPIRATORY SYSTEM

Aerosol anesthesia of the airway using a small disposable nebulizer. Vuckovic DD, et al. **Anesth Analg (Cleve)** 1980 Oct;59(10):803–4

Unusual presentations and problems created by mismanagement of foreign bodies in the aerodigestive tract of the pediatric patient. Cohen SR. **Ann Otol Rhinol Laryngol** 1981 Jul–Aug;90(4 Pt 1):316–22

Foreign bodies in the respiratory tract. A review of forty-one cases. Bose P, et al. **Ann R Coll Surg Engl** 1981 Mar; 63(2):129–31

Accidental hypothermia and rewarming in dogs [letter] Lloyd EL. **Clin Sci** 1980 Dec;59(6):513–4

[Use of ultrasonic-aerosol for surface analgesia of the respiratory tract. First experiences with a new technique of endotracheal intubation under local anesthesia (author's transl)] Renz D, et al. **Anaesthesist** 1981 May;30(5):259–60 (Eng. Abstr.) **(Ger)**

[Dental prosthesis as foreign bodies in the respiratory tract and esophagus] Møller P, et al. **Nor Tannlaegeforen Tid** 1981 Feb;91(3):79–81 **(Nor)**

[Foreign bodies in the lower respiratory tract during our 5-years experience] Krejović B, et al. **Srp Arh Celok Lek** 1979 Nov;107(11):645–56 (Eng. Abstr.) **(Scc)**

[Vegetable foreign body in the respiratory tract] Valenzuela Fuenzalida P, et al. **Rev Chil Pediatr** 1980 Mar–Apr; 51(2):136–40 **(Spa)**

ANALYSIS

[Fundamental investigations for the deposition of aerosols from radioactive solutions in the upper and lower airways (author's transl)] Gottschalk B, et al. **Z Erkr Atmungsorgane** 1979 Jun;153(3):355–66 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Mucous membrane of respiratory epithelium. Reid LM, et al. **Environ Health Perspect** 1980 Apr;35:113–20

Comparison of direct and acoustical area measurements in physical models of human central airways. Jackson AC, et al. **J Appl Physiol** 1980 May;48(5):896–902

Relation between flow, curvilinearity, and density dependence of pulmonary pressure–flow curves. Lisboa C, et al. **J Appl Physiol** 1980 May;48(5):878–85

Replica casts of the entire respiratory airways of experimental animals. Schreider JP, et al. **J Environ Pathol Toxicol** 1980 Sep;4(2–3):427–35

Upper airway of the California sea lion: an anesthetist's perspective. McGrath CJ, et al. **VM SAC** 1981 Apr; 76(4):548–9

CYTOLOGY

Characterization of cells from the respiratory tract of calves. Le Jan C, et al. **Ann Rech Vet** 1980;11(3):301–6

The relevance of Lacinilene C7-methyl ether to byssinosis. Experience with natural product from bracts and synthetic chemical in leukocyte recruitment. Kilburn KH, et al. **Chest** 1981 Apr;79(4 Suppl):58S–61S

[Cells of the respiratory system] Bignon J, et al. **Ann Anesthesiol Fr** 1980;21(6):589–98 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

The effects of airway anesthesia on detection of added inspiratory elastic loads. Chaudhary BA, et al. **Am Rev Respir Dis** 1980 Oct;122(4):635–9

Respiratory effects on household exposures to tobacco smoke and gas cooking. Comstock GW, et al. **Am Rev Respir Dis** 1981 Aug;124(2):143–8

Effects of saline extract of ovine hydatid cyst scoleces in sheep. Blockade of responses by compound 48/80. Tabatabai M, et al. **Ann Parasitol Hum Comp** 1980 Sep–Oct; 55(5):503–10

A comparison of the cardiorespiratory effects of ciramadol, dezocine, morphine and pentazocine in the anesthetized dog. Lewis AJ, et al. **Arch Int Pharmacodyn Ther** 1981 Mar;250(1):73–83

Respiratory pathology in rats and mice after inhalation of 1,2-dibromo-3-chloropropane or 1,2 dibromoethane for 13 weeks. Reznik G, et al. **Arch Toxicol** 1980 Dec; 46(3–4):233–40

International symposium on respiratory physiology. Paris, June 5–6, 1980. Gas exchange and ventilation/perfusion ratios. Round table almitrine. **Bull Eur Physiopathol Respir** 1980 Sep–Oct; 16(5):195P–208P

Effect of theophylline on mucociliary clearance in man. Matthys H, et al. **Eur J Respir Dis [Suppl]** 1980;61 Suppl 109:98–102

Response and sensitivity of female guinea-pig respiratory tissues to agonists during ontogenesis. Brink C, et al. **J Pharmacol Exp Ther** 1980 Nov;215(2):426–33

The response and sensitivity to histamine of respiratory tissues from normal and ovalbumin-sensitized guinea pigs: effects of cyclooxygenase and lipoxygenase inhibition. Brink C, et al. **J Pharmacol Exp Ther** 1981 Jun; 217(3):592–601

Cyclic nucleotides and contraction/relaxation in airway muscle: H1 and H2 agonists and antagonists. Duncan PG, et al. **J Pharmacol Exp Ther** 1980 Nov;215(2):434–42

Evidence for two subtypes of alpha adrenergic receptors in canine airway smooth muscle. Leff AR, et al. **J Pharmacol Exp Ther** 1981 May;217(2):530–5

[Side-effects of drugs with special reference to the respiratory tract (author's transl)] Renovanz HD. **Prax Klin Pneumol** 1981 Jan;35(1):1–13 (92 ref.) (Eng. Abstr.) **(Ger)**

[The influence of hexoprenalinsulfate aerosol on the ciliary wave frequency of the respiratory epithelium (author's transl)] Stark H. **Wien Med Wochenschr** 1980 May 31; 130(10):342–3 (Eng. Abstr.) **(Ger)**

[Effect of epoxy resins on the respiratory tract] Maintz G, et al. **Z Gesamte Hyg** 1980;26(8):588–92 (Eng. Abstr.) **(Ger)**

[Modifications of the respiratory mechanism induced by administration of 18, 19, 20-trinor-17-cyclohexyl-13, 14-dehydro PGF 2 alpha methyl ester] Clement MG, et al. **Boll Soc Ital Biol Sper** 1980 Nov 15;56(21):2223–7 (Eng. Abstr.) **(Ita)**

EMBRYOLOGY

Development of the future respiratory system before birth. Maloney JE, et al. **Semin Perinatol** 1980 Oct;4(4):251–60 (45 ref.)

ENZYMOLOGY

Effect of pneumotoxicants on lactate dehydrogenase activity in airways of rats. Roth RA. **Toxicol Appl Pharmacol** 1981 Jan;57(1):69–78

IMMUNOLOGY

Sequential immunologic stimuli to the respiratory tract: a paradox in the degree of potentiation of airway responses depending on the sequence of reverse passive and active immunologic stimulation. Patterson R, et al. **Am Rev Respir Dis** 1977 Jun;115(6):929–36

Smoking and the immune response in the airways. Carlens E. **Eur J Respir Dis [Suppl]** 1980;61 Suppl 108:19–20

Two rat mononuclear cell-derived slow reacting substances: kinetic evidence that the peripheral airways-selective spasmogen is derived from a nonselectively acting precursor. Bach MK, et al. **Immunopharmacology** 1980 Dec; 2(4):361–73

[Penetration of solid particles in the respiratory system. Secondary immunity reactions to the inhalation of a dry aerosol (author's transl)] Michel FB, et al. **Poumon Coeur** 1979;35(6):375–8 (Eng. Abstr.) **(Fre)**

INJURIES

Inhalation injury to the respiratory tract of children. Cudmore RE, et al. **Prog Pediatr Surg** 1981;14:173–88

INNERVATION

Inhibitory amino acids and periodic discharges of respiratory neurons in the medulla of the cat. Champagnat J, et al. **Adv Biochem Psychopharmacol** 1981;29:89–95

Microelectrophoretic application of antagonists of putative neurotransmitters onto various types of bulbar respiratory neurons. Böhmer G, et al. **Arch Ital Biol** 1979 Jan; 117(1):13–22

Microelectrophoretic application of metabolic modifiers of the phosphofructokinase-hexosediphosphatase-system onto various types of bulbar respiratory neurons. Dinse HR, et al. **Arch Ital Biol** 1979 Jan;117(1):23–9

Microelectrophoretic application of putative neurotransmitters onto various types of bulbar respiratory neurons. Fallert M, et al. **Arch Ital Biol** 1979 Jan; 117(1):1–12

Innervation of airway smooth muscle in the dog. Russell JA. **Bull Eur Physiopathol Respir** 1980 Sep–Oct;16(5):671–92 (74 ref.)

Brain stem projections of sensory and motor components of the vagus complex in the cat: II. Laryngeal, tracheobronchial, pulmonary, cardiac, and gastrointestinal branches. Kalia M, et al. **J Comp Neurol** 1980 Sep 15; 193(2):467–508

[Role of sympathetic innervation of the upper respiratory tract in the reflex effects of its mechanoreceptors] Fel'berbaum RA. **Fiziol Zh SSSR** 1980 Jul;66(7):1107–14 (Eng. Abstr.) **(Rus)**

[Mechanoreceptors of the respiratory tract in experimental tracheitis] Hanáček J, et al. **Cesk Fysiol** 1981 May; 30(3):239–41 **(Slo)**

METABOLISM

Autoradiographic study of the distribution of bound radioactivity in the respiratory tract of Syrian hamsters given N-[3H]nitrosodiethylamine. Reznik-Schüller HM, et al. **Cancer Res** 1981 Jun;41(6):2147–50

Bactericidal activity of erythromycin in the respiratory system. Fraschini F, et al. **Curr Med Res Opin** 1981; 7(7):429–39

Respiratory tract fluid--chemical and physical properties of airway mucus. Lopez-Vidriero MT, et al. **Eur J Respir Dis [Suppl]** 1980;61(110):21–6

Environmental radon and radon daughter dosimetry in the respiratory tract. McPherson RB. **Health Phys** 1980 Dec; 39(6):929–36

Deposition and clearance of 14C-labelled cigarette smoke particles in Syrian hamster respiratory and digestive tract. Reznik G, et al. **J Environ Pathol Toxicol** 1980 Aug; 4(1):371–81

Biological fate of a representative lipophilic metal compound (ferrocene) deposited by inhalation in the respiratory tract of rats. Dahl AR, et al. **Toxicol Appl Pharmacol** 1980 Nov; 56(2):232–9

[Deposition of particles in the respiratory system] Huchon G, et al. **Ann Anesthesiol Fr** 1980;21(6):653–60 (Eng. Abstr.) **(Fre)**

[Diffusion and retention of therapeutical aerosols in upper airways (author's transl)] Badré R, et al. **Poumon Coeur** 1979;35(6):341–7 (Eng. Abstr.) **(Fre)**

MICROBIOLOGY

Turkey respiratory tract adenoviruses: oncogenic potential in neonatal hamsters (Mesocricetus auratus). Sutjipto S, et al. **Am J Vet Res** 1981 Mar;42(3):487–90

Turkey respiratory tract adenoviruses: in vitro infectivity of purified DNA. Sutjipto S, et al. **Am J Vet Res** 1981 Mar; 42(3):495–7

Turkey respiratory tract adenoviruses: purification and some biochemical properties. Sutjipto S, et al. **Am J Vet Res** 1981 Mar;42(3):491–4

Carriage of group B streptococci in the upper respiratory tract [letter] Cummings CG, et al. **J Clin Pathol** 1981 Jul; 34(7):813

The relationship of two equine mycoplasmas to Mycoplasma mycoides. Lemcke RM, et al. **J Hyg (Lond)** 1981 Aug; 87(1):93–100

Serological relationship between abortifacient and respiratory strains of equine herpesvirus type 1 in New Zealand. Horner GW. **NZ Vet J** 1981 Jan–Feb;29(1–2):7–8

Bacterial flora of the respiratory tract of wild birds in Ludhiana (Punjab. Sambyal DS, et al. **Zentralbl Veterinaermed [B]** 1980;27(2):165–8

[Bacteriological findings in the respiratory tract 1975–1979] Buranský J, et al. **Cesk Fysiol** 1981 May;30(3):225–7 **(Cze)**

[Preferential staphylococcal colonizing site in the upper airway] Cavallero F, et al. **Boll Ist Sieroter Milan** 1979 Sep 30;58(4):295–9 (Eng. Abstr.) **(Ita)**

[Variations of antimicrobical resistance of bacteria isolated in specimens of the respiratory tract (author's transl)] Tortoli E. **Quad Sclavo Diagn** 1979 Jun;15 Suppl 1:736–55 (Eng. Abstr.) **(Ita)**

PATHOLOGY

Gray airways in ochronosis [letter] Rebuck AS, et al. **N Engl J Med** 1981 May 28;304(22):1367

Cigarette smoke induced pathology of the rat respiratory tract: a comparison of the effects of the particulate and vapour phases. Coggins CR, et al. **Toxicology** 1980; 16(2):83–101

[Respiratory damage in patients with burns] Takki S, et al. **Duodecim** 1980;96(10):729–37 **(Fin)**

[Morphological changes in the upper respiratory tracts and lungs of animals subjected to the inhalation uptake of fiber glass dust] Borsuk VP. **Gig Tr Prof Zabol** 1981 Jan;(1):44–6 **(Rus)**

[Morphological changes in the respiratory organs in experimental pneumoconiosis] Borsuk VP. **Vrach Delo** 1981 Feb;(2):104–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Airway closure and closing pressure during mechanical ventilation. Hedenstierna G, et al. **Acta Anaesthesiol Scand** 1980 Aug;24(4):299–304

Distribution and classification of airway histamine receptors: the physiological significance of histamine H2-receptors. Chand N. **Adv Pharmacol Chemother** 1980;17:103–31 (190 ref.)

Size definitions for particle sampling: recommendations of ad hoc working group appointed by Committee TC 146 of the International Standards Organization. **Am Ind Hyg Assoc J** 1981 May;42(5):A64–8

Biological variability of regional deposition of aerosol particles in the human respiratory tract. Stahlhofen W, et al. **Am Ind Hyg Assoc J** 1981 May;42(5):348–52

Pregnancy and the lung. Weinberger SE, et al. **Am Rev Respir Dis** 1980 Mar;121(3):559–81 (212 ref.)

Deposition, retention, and clearance of inhaled particles. Lippmann M, et al. **Br J Ind Med** 1980 Nov;37(4):337–62 (187 ref.)

Control of smooth muscle in human airways. Zorychta E, et al. **Bull Eur Physiopathol Respir** 1980 Sep–Oct; 16(5):581–6

Rheological requirements for optimal clearance of secretions: ciliary transport versus cough. King M. **Eur J Respir Dis [Suppl]** 1980;61(110):39–45

Physiological control of airway mucus secretion. Phipps RJ. **Eur J Respir Dis [Suppl]** 1980;61(110):33–8

The physical and chemical properties of airway mucus and their relation to airway function. Richardson PS. **Eur J Respir Dis [Suppl]** 1980;61(111):13–5

Factors influencing the mucociliary activity in the respiratory tract. A review. Toremalm NG. **Eur J Respir Dis [Suppl]** 1980;61 Suppl 107:41–9

Use of the choke point in the prediction of flow limitation in elastic tubes. Dawson SV, et al. **Fed Proc** 1980 Aug; 39(10):2765–70

Monitoring of respiratory function during anesthesia. Sergejev IP. **Int Anesthesiol Clin** 1981 Spring;19(1):31–59

Airway effects of respiratory heat loss in normal subjects. O'Cain CF, et al. **J Appl Physiol** 1980 Nov;49(5):875–80

Estimation of resistance and elastance of the lungs in the presence of alinearities. A model study. Clément J, et al. **J Biomech** 1981;14(2):111–22

Protection of the respiratory tract — mucus production: a review. Richardson PS, et al. **J R Soc Med** 1980 Feb; 73(2):123–6 (32 ref.)

Upper respiratory syndrome: mechanisms of clearing. Renovanz HD. **Methods Find Exp Clin Pharmacol** 1981 Jan–Feb;3(1):51–61

Using rummy to teach cardiovascular and respiratory physiology. Gaugl JF, et al. **Physiologist** 1980 Jun; 23(3):68–9

Structure and gas–flow pattern in the avian respiratory system. Fedde MR. **Poult Sci** 1980 Dec;59(12):2642–53 (27 ref.)

Airways response to inhaled tobacco smoke: time course, dose dependence and effect of volume history. Taveira Da Silva AM, et al. **Respiration** 1981;41(2):96–105

The role of the nose in the functional unit of the respiratory system. Drettner B. **Rev Laryngol Otol Rhinol (Bord)** 1980 Sep–Oct;101(9–10):447–53

Pulmonary mechanics in guinea pigs: repeated measurements using a nonsurgical computerized method. Skornik WA, et al. **Toxicol Appl Pharmacol** 1981 Jun 30;59(2):314–23

[Respiratory function studies in artificial ventilation] Harf A. **Ann Anesthesiol Fr** 1980;21(4):375–8 **(Fre)**

[Mucociliary drainage of the respiratory tract] Hee J. **Ann Anesthesiol Fr** 1980;21(6):671–9 (Eng. Abstr.) **(Fre)**

[The mandible: an element of the respiratory structure or the morphogenic effect of ventilation mechanics on the mandible] Talmant J. **Orthod Fr** 1979;50:671–81 (Eng. Abstr.) **(Fre)**

[A way of evaluating the tolerance of respiratory mucosa to thermal spring water (author's transl)] Guillerm R, et al. **Poumon Coeur** 1979;35(6):379–82 (Eng. Abstr.) **(Fre)**

[Physical conditions favouring the trapping of submicron particles in the upper airways (author's transl)] Serpolay R. **Poumon Coeur** 1979;35(6):337–9 (Eng. Abstr.) **(Fre)**

[Regulation of ventilation according to systems theory] Lagneaux D, et al. **Rev Med Liege** 1980 Feb 1;35(3):77–84 **(Fre)**

[Pharmacological effects on the purification mechanisms of the respiratory tract] Renovanz HD. **Med Monatsschr Pharm** 1979 Dec;2(12):361–7 **(Ger)**

[Physiological foundations of the O2-supply of fetus and newborn. 1. The function of the lungs)] Menzel K, et al. **Z Aerztl Fortbild (Jena)** 1980 Feb 1;74(3):127–31 **(Ger)**

[Diastolic adaptation and cardiorespiratory correlations during muscular exercise] Danisi M, et al. **Boll Soc Ital Cardiol** 1979;24(11):1265–71 **(Ita)**

[Effects of handgrip on cardiovascular and respiratory apparatus of healthy young subjects (author's transl)] Sergi M, et al. **G Ital Cardiol** 1980;10(9):1097–106 (Eng. Abstr.) **(Ita)**

[Respiratory symptoms and spirographic tests in healthy and non-smoking populations of 2 areas with different levels of air pollution in Rio de Janeiro] Lemle A, et al. **AMB** 1980 May;26(5):157–62 (Eng. Abstr.) **(Por)**

[Response of pituitary and adrenal elements in a state of cardiorespiratory system integration] Sorokin AP, et al. **Arkh Anat Gistol Embriol** 1981 Apr;80(4):67–72 (Eng. Abstr.) **(Rus)**

[Characteristics of respiratory organ retention of electroaerosols during the use of artifical air ionization in the twisting shop of a textile plant] Pogozhev SV. **Gig Tr Prof Zabol** 1981 Apr;(4):39–41 **(Rus)**

[Responses of the respiratory system to changes in gas density at different inspiratory flow rates] Breslav IS, et al. **Kosm Biol Aviakosm Med** 1980 Nov–Dec;14(6):64–7 (Eng. Abstr.) **(Rus)**

[Mucociliary transport in man] Adamíková I, et al. **Cesk Fysiol** 1981 May;30(3):219–20 **(Slo)**

[The effect of increased intrapulmonary pressure on defensive reflexes of the respiratory tract] Javorka K, et al. **Cesk Fysiol** 1981 May;30(3):251–2 **(Slo)**

PHYSIOPATHOLOGY

The respiratory system in muscular dystrophy. Newsom-Davis J. **Br Med Bull** 1980 May;36(2):135–8 (24 ref.)

Peripheral airway function in antigen-induced bronchoconstriction. Ahmed T, et al. **Bull Physiopathol Respir (Nancy)** 1980 Nov–Dec; 16(6):721–31

Cough and expectoration. Paris, October 3–4, 1979. **Eur J Respir Dis [Suppl]** 1980;61(110):1–262

Effects of a viral laryngotracheitis on the epithelial barrier of chicken airways. Richardson JB, et al. **Lab Invest** 1981 Feb;44(2):144–50

Mechanics of breathing during prolonged artificial ventilation. Popova LM, et al. **Resuscitation** 1980 Mar; 8(1):29–41

Immotile cilia. Afzelius BA, et al. **Thorax** 1980 Jun; 35(6):401–4

[Effects of toxic gases and phagocytic defense of the respiratory system. 'In vitro' approach] Voisin C, et al. **Ann Anesthesiol Fr** 1980;21(6):639–43 (Eng. Abstr.) **(Fre)**

[Rehabilitation for respiratory diseases—pathophysiology of respiratory muscles (author's transl)] Konno K. **Kokyu To Junkan** 1981 Apr;29(4):375–80 **(Jpn)**

[Respiratory system, hypoxia, and age] Kolchinskaia AZ. **Fiziol Zh** 1981 May–Jun;27(3):419–24 (Eng. Abstr.) **(Rus)**

[Method of evaluating the reaction of the external respiratory system to increasing hypercapnia] Ivanov LA. **Kosm Biol Aviakosm Med** 1981 Jun–Jul;15(4):74–6 **(Rus)**

[Functional state of the cardiovascular and respiratory systems in children with minor and abating forms of tuberculosis in the process of engaging in physical exercises] Aliev MN, et al. **Probl Tuberk** 1980 Oct;(10):43–7 (Eng. Abstr.) **(Rus)**

[Respiratory and cardiovascular system functions in pulmonary tuberculosis] Kulachkovskii IuV, et al. **Probl Tuberk** 1980 Sep;(9):51–4 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

[Radiological examination of the upper respiratory tract in children with acute obstruction (author's transl)] Spehl-Robberecht M. **J Belge Radiol** 1980;63(1):43–8 (Eng. Abstr.) **(Fre)**

SECRETION

Mucus and surfactant synthesis and secretion by cultured hamster respiratory cells. Baseman JB, et al. **Environ Health Perspect** 1980 Apr;35:139–46

Quantification and origin of the immunoglobulins in porcine respiratory tract secretions. Morgan KL, et al. **Immunology** 1980 Nov;41(3):729–36

SURGERY

The use of the carbon dioxide laser in the pediatric airway. Healy GB, et al. **J Pediatr Surg** 1979 Dec;14(6):735–40

[Surgery of the respiratory system in the neonatal period] Lequien P, et al. **Lille Med** 1981 Jan–Feb;26(1–2):44–6 **(Fre)**

ULTRASTRUCTURE

Effects of sauna-like heat stress on the respiratory tract ciliogenesis and cilia in adult male rats. Heino ME. **Aviat Space Environ Med** 1980 Sep;51(9 Pt 1):885–91

[Electron microscopic study of the respiratory organs in experimental respiratory mycoplasmosis] Kozliuk AS. **Arkh Patol** 1980;42(9):34–40 (Eng. Abstr.) **(Rus)**

RESPIRATORY THERAPY

see related
AEROSOLS

Proceedings of the Conference on the Scientific Basis on In-Hospital Respiratory Therapy. Sheraton-Atlanta Hotel Atlanta, Georgia. **Am Rev Respir Dis** 1980 Nov;122(5 Pt 2):1–161

Modified endotracheal tube for airway management of children with facial burns. Galvis AG, et al. **Anesth Analg (Cleve)** 1981 Feb;60(2):116–7

Postoperative atelectasis: Intermittent positive pressure breathing, incentive spirometry, and face-mask positive end-expiratory pressure. Paul WL, et al. **Arch Surg** 1981 Jul;116(7):861–3

Effect of diaphragmatic respiration on some cardiorespiratory parameters during rehabilitation in bronchopneumopathic patients. Aquilani R, et al. **Boll Soc Ital Biol Sper** 1979 Aug 30;55(16):1545–51

Comparison of three methods of respiratory care following upper abdominal surgery. Jung R, et al. **Chest** 1980 Jul; 78(1):31–5

Respiratory care of the child. Gregory GA. **Crit Care Med** 1980 Oct;8(10):582–7

Lipid infusion in critically ill patients. Acute effects on hemodynamics and pulmonary gas exchange. Järnberg PO, et al. **Crit Care Med** 1981 Jan;9(1):27–31

Inhalation therapy [editorial] Bernstein A. **J R Soc Med** 1980 Nov;73(11):769

The proper use of aerosol bronchodilators [editorial] **Lancet** 1981 Jan 3;1(8210):23–4

Respiratory support in pediatric surgery. Philippart AI, et al. **Surg Clin North Am** 1980 Dec;60(6):1519–32

Irregularities in the use of regular aerosol inhalers. Macfarlane JT, et al. **Thorax** 1980 Jun;35(6):477–8

[Clinical physiology of respiratory therapy (10)] Goto Y. **Kokyu To Junkan** 1980 May;28(5):462 **(Jpn)**

[Study of the changes in resistive pulmonary work after respiratory exercise therapy] Duțu S, et al. **Rev Ig [Pneumoftiziol]** 1980 Apr–Jun;29(2):93–106 (Eng. Abstr.) **(Rum)**

ADVERSE EFFECTS

Pulmonary complications of long-term respirator care in infants. Nakamura Y, et al. **Acta Pathol Jpn** 1981 Jan; 31(1):75–84

ECONOMICS

Cost containment in a hospital program for home oxygen therapy [letter] Chowdhury JK. **Chest** 1980 Jul;78(1):119

INSTRUMENTATION

Isolation of Pittsburgh pneumonia agent from nebulizers used in respiratory therapy. Gorman GW, et al. **Ann Intern Med** 1980 Oct;93(4):572–3

The role of airborne bacteria in the contamination of fine particle neubilizers and the development of nosocomial pneumonia. Kelsen SG, et al. **Ann NY Acad Sci** 1980; 353:218–29

Effects of flow resistance on the correlation between theory and experiment for the performance of cromolyn sodium inhalers. Niemi EE Jr. **Biomed Sci Instrum** 1980 Apr 21–22; 16:39–43

Training aid for pressurized inhalers. Woodcock A. **Br J Dis Chest** 1980 Oct;74(4):395–7

How should a pressurized beta-adrenergic bronchodilator be inhaled? Newman SP, et al. **Eur J Respir Dis** 1981 Feb; 62(1):3–21 (127 ref.)

Nebulised sympathomimetics in childhood asthma [letter] Shann F. **Lancet** 1981 Feb 7;1(8215):329

Influence of tube-spacer on aerosol efficacy [letter] Spicer JE, et al. **Lancet** 1980 Dec 6;2(8206):1248

Equipment for the provision of airway warming (insulation) in the treatment of accidental hypothermia in patients. Lloyd EL, et al. **Resuscitation** 1981 Mar;9(1):61–5

The efficiency of various humidifiers for respired gas. Tontschev G, et al. **Resuscitation** 1980 Sep;8(3):167–79

Contribution to the standardization of pharmacodynamic tests in lung function. Minette A, et al. **Rev Inst Hyg Mines (Hasselt)** 1978;33(4):222–6

Use of a special inhaler attachment in asthmatic children. Ellul-Micallef R, et al. **Thorax** 1980 Aug;35(8):620–3

Effect of an extension tube on the bronchodilator efficacy of terbutaline delivered from a metered dose inhaler. Gomm SA, et al. **Thorax** 1980 Jul;35(7):552–6

[A new device: the H.R.P.-bronchial-secretions-guard (author's transl)] Lang VO. **Anaesthesist** 1980 Sep; 29(9):513–6 (Eng. Abstr.) **(Ger)**

[The mouth-plate, an aid in respiratory treatment in intensive care units (author's transl)] Reist K, et al. **Anaesthesist** 1980 Sep;29(9):509–12 (Eng. Abstr.) **(Ger)**

[Therapy of obstructive airway diseases. A new inhalation principle of drug delivery, synchronous to breathing, improves defined dosage aerosol therapy] Schmidt OP. **Fortschr Med** 1980 May 29;98(20):769–72 **(Ger)**

[Copper poisoning caused by humidifiers?] Malacrida R, et al. **Schweiz Med Wochenschr** 1981 Jun 27;111(26):1013–6 (Eng. Abstr.) **(Ger)**

[Ultrasonic aerosol apparatus hire system--therapy of chronic obstructive bronchitis and bronchiektasia (author's transl)] Kossmagk R. **Z Erkr Atmungsorgane** 1980; 155(1):125–7 (Eng. Abstr.) **(Ger)**

[Drug ion atomizer] Oranskil IE. **Vopr Kurortol Fizioter Lech Fiz Kult** 1980 Sep–Oct;(5):56–7 **(Rus)**

METHODS

A new inhalation technique for freon aerosols. Terbutaline aerosol with a tube extension in a 2-day cross-over comparison with salbutamol aerosol. Eriksson NE, et al. **Allergy** 1980 Oct;35(7):617–22

Starch in lungs of newborns [letter] Finegold MJ, et al. **Am J Dis Child** 1981 Jul;135(7):671–2

The adequacy of inhalation of aerosol from canister nebulizers. Shim C, et al. **Am J Med** 1980 Dec;69(6):891–4

Aerosol and humidity therapy. Brain J. **Am Rev Respir Dis** 1980 Nov;122(5 Pt 2):17–21

Physiotherapy in hospitalized medical patients. Darrow G, et al. **Am Rev Respir Dis** 1980 Nov;122(5 Pt 2):155–8

Mechanical aids to lung expansion. Ingram RH Jr. **Am Rev Respir Dis** 1980 Nov;122(5 Pt 2):23–4

Mechanical aids to lung expansion. The physiologic basis for the use of mechanical aids to lung expansion. Martin RJ, et al. **Am Rev Respir Dis** 1980 Nov;122(5 Pt 2):105–7

Physical therapy rationale for physical therapy. Menkes H, et al. **Am Rev Respir Dis** 1980 Nov;122(5 Pt 2):127–31

Indications of mechanical aids to assist lung inflation in medical patients. Murray JF. **Am Rev Respir Dis** 1980 Nov; 122(5 Pt 2):121–5

Inspiratory muscle training compared with physiotherapy in patients with chronic airflow limitation. Pardy RL, et al. **Am Rev Respir Dis** 1981 Apr;123(4 Pt 1):421–5

The effects of inspiratory muscle training on exercise performance in chronic airflow limitation. Pardy RL, et al. **Am Rev Respir Dis** 1981 Apr;123(4 Pt 1):426–33

Physical therapy. indications for and effects in surgical patients. Peters RM, et al. **Am Rev Respir Dis** 1980 Nov; 122(5 Pt 2):147–54

Pulmonary rehabilitation. Petty TL. **Am Rev Respir Dis** 1980 Nov;122(5 Pt 2):159–61

Scientific bases of in-hospital respiratory therapy introduction. Pierce AK. **Am Rev Respir Dis** 1980 Nov; 122(5 Pt 2):1–2

Mechanical aids to lung expansion in non-intubated surgical patients. Pontoppidan H. **Am Rev Respir Dis** 1980 Nov; 122(5 Pt 2):109–19

Techniques of respiratory physical therapy. Rochester DF, et al. **Am Rev Respir Dis** 1980 Nov;122(5 Pt 2):133–46

Aerosols and humidity therapy. Generation and respiratory deposition of therapeutic aerosols. Swift DL. **Am Rev Respir Dis** 1980 Nov;122(5 Pt 2):71–7

Clinical application of aerosols in pediatrics. Tabachnik E, et al. **Am Rev Respir Dis** 1980 Nov;122(5 Pt 2):97–103

Clinical indications for and effects of bland, mucolytic, and antimicrobial aerosols. Wanner A, et al. **Am Rev Respir Dis** 1980 Nov;122(5 Pt 2):79–87

Ventilatory management of life-threatening bronchopleural fistulae. A summary. Powner DJ, et al. **Crit Care Med** 1981 Jan;9(1):54–8

Simple instructions for using pressurized aerosol bronchodilators. Newman SP, et al. **J R Soc Med** 1980 Nov;73(11):776–9

Evaluating the changing role of respiratory therapy services at two hospitals. Braun SR, et al. **JAMA** 1981 May 22–29; 245(20):2033–7

Pressurised aerosol technique [letter] Lawford P, et al. **Lancet** 1981 May 2;1(8227):1003–4

Ipratropium bromide inhalation for allergic rhinitis and chronic cough [letter] Shore SC, et al. **S Afr Med J** 1981 Feb 21;59(8):252

[Aerosol concentration and heat transfer by radiation (author's transl)] Beyersdorfer S, et al. **Z Erkr Atmungsorgane** 1981;156(2):137–40 (Eng. Abstr.) **(Ger)**

[The stability of drugs under the conditions of the ultrasonic thermo aerosol (author's transl)] Iwainsky H, et al. **Z Erkr Atmungsorgane** 1981;156(2):131–6 (Eng. Abstr.) **(Ger)**

[Clinical-experimental testing of drug aerosols (author's transl)] Kandt D. **Z Erkr Atmungsorgane** 1981; 156(2):125–30 (Eng. Abstr.) **(Ger)**

[Prophylactic and therapeutic intermittent positive pressure breathing with combined therapeutic aerosols (IPPB/I)--functional and morphological effects. I. Functional effects of prophylactic IPPB/I (author's transl)] Kleinau H, et al. **Z Erkr Atmungsorgane** 1981;156(2):141–50 (Eng. Abstr.) **(Ger)**

[Prophylactic and therapeutic intermittent positive pressure breathing with combined therapeutic aerosols (IPPB/I)--functional and morphological effects. II. Therapeutic IPPB/I in ventilation disturbances of the lung (author's transl)] Kleinau H, et al. **Z Erkr Atmungsorgane** 1981;156(2):151–8 (Eng. Abstr.) **(Ger)**

[Respiratory therapy and management of shock lung] Yoshikawa H, et al. **Nippon Rinsho** 1980;38(4):1901–7 (34 ref.) **(Jpn)**

[Aerosol therapy in acute respiratory diseases (review of the literature)] Finogeev IuP. **Voen Med Zh** 1981 Apr;(4):43–5 (19 ref.) **(Rus)**

STANDARDS

Radiographic tracheal diameter measurements in acute infectious croup: an objective scoring system. Corkey CW, et al. **Crit Care Med** 1981 Aug;9(8):587–90

TRENDS

Good news! Bad news? The status of respiratory therapy in the 1980s [editorial] Kasik JE, et al. **JAMA** 1981 May 22–29;245(20):2059

UTILIZATION

Magnitude of use and costs of in-hospital respiratory therapy. Ayres SM. **Am Rev Respir Dis** 1980 Nov;122(5 Pt 2):11–3

Appropriate utilization of bronchial hygiene therapy: development and evaluation of a cost-effective respiratory therapy program. Walton JR, et al. **QRB** 1981 Jan;7(1):21–5

RESPIRATORY THERAPY DEPARTMENT, HOSPITAL see under **HOSPITAL DEPARTMENTS**

RESPIRATORY TRACT DISEASES

Needs for animal models of human diseases of the respiratory system. Reid LM. **Am J Pathol** 1980 Dec;101(3 Suppl):S89–101

Criteria for development of animal models of diseases of the respiratory system: the comparative approach in respiratory disease model development. Slauson DO, et al. **Am J Pathol** 1980 Dec;101(3 Suppl):S103–22

Pregnancy and the lung. Weinberger SE, et al. **Am Rev Respir Dis** 1980 Mar;121(3):559–81 (212 ref.)

Proceedings of the Symposium on Experimental Models for Pulmonary Research. Summary and future research needs. Bromberg PA, et al. **Environ Health Perspect** 1980 Apr; 35:199–202

[Medicine...today: pneumology in 1981] el-Gharbi B. **Tunis Med** 1981 Mar–Apr;59(2):89–90 **(Fre)**

[Medium and long-term changes of the cardio-respiratory parameters during exertion in a group of middle-aged workers] Palmieri M, et al. **Boll Soc Ital Cardiol** 1979; 24(8):905–14 **(Ita)**

[Experience teaching clinical pulmonology in a department of phthisiology] Chumakova LP, et al. **Probl Tuberk** 1981 Apr;(4):16–8 **(Rus)**

BLOOD

[Iron deficiency in children with chronic recurrent diseases of upper respiratory tract (author's transl)] Wąsowicz Z, et al. **Przegl Lek** 1980;37(5):473–6 (Eng. Abstr.) **(Pol)**

[Arterio-venous oxygen difference for calculations of right-to-left shunts (author's transl)] Redhammer R, et al. **Bratisl Lek Listy** 1980 Nov;74(5):569–77 (Eng. Abstr.) **(Slo)**

CHEMICALLY INDUCED

Respiratory disease and nasal immunoglobulin concentrations in phenytoin-treated epileptic patients. Gilhus NE, et al. **Acta Neurol Scand** 1981 Jan;63(1):34–43

Pulmonary and symptom threshold effects of ozone in airline passenger and cockpit crew surrogates. Lategola MT, et al. **Aviat Space Environ Med** 1980 Sep;51(9 Pt 1):878–84

Respiratory dyskinesia associated with hexamethylmelamine. Murray GB, et al. **Cancer Treat Rep** 1980 Feb–Mar; 64(2–3):355–6

Respiratory morbidity and mortality. Otto CW. **Int Anesthesiol Clin** 1980 Fall;18(3):85–106 (36 ref.)

Respiratory arrest after intrathecal morphine [letter] Babcock NK, et al. **JAMA** 1981 Apr 17;245(15):1528

The cardiorespiratory toxicity of ouabain in benzodiazepine-treated rats. Brissette Y, et al. **Toxicol Appl Pharmacol** 1980 Sep 15;55(2):235–44

[Importance and measurement of sulfates in floating dust] Satish J. **Soz Praeventivmed** 1980 Sep;25(4):201–2 (Eng. Abstr.) **(Ger)**

[The effect of ambient exposure to manganese on the respiratory system. A study using school children as a model] Hrustić O, et al. **Arh Hig Rada Toksikol** 1980; 31(2):149–64 (Eng. Abstr.) **(Scr)**

COMPLICATIONS

Massive pulmonary haemorrhage: a cause of sudden unexpected deaths in severely growth retarded infants. Sly PD, et al. **Aust Paediatr J** 1981 Mar;17(1):32–4

Pneumoperitoneum in the ventilated neonate: respiratory or gastrointestinal origin? Knight PJ, et al. **J Pediatr** 1981 Jun;98(6):972–4

Hiatal hernia and pulmonary function impairment: incidence or coincidence? Selmonosky CA, et al. **South Med J** 1980 Sep;73(9):1234–6

[Relations between gastroesophageal reflux and chronic respiratory diseases in children] Lamme W, et al. **Kinderaerztl Prax** 1981 Mar;49(3):152–7 (Eng. Abstr.) **(Ger)**

[Prevention of lung and heart failure in chronic nonspecific respiratory organ diseases] Daniliak IG, et al. **Kardiologiia** 1980;20(12):92–5 (Eng. Abstr.) **(Rus)**

CONGENITAL

[Joubert syndrome. Clinical contribution] Burroni M, et al. **Minerva Pediatr** 1980 Jun 15;32(11):763–6 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

Usefulness of forced expiration slope ratios for detecting mild airway abnormalities. Jansen JM, et al. **Am Rev Respir Dis** 1980 Aug;122(2):221–30

The use of pulmonary function testing and questionnaires as epidemiologic tools in the study of occupational lung disease. Boehlecke BA, et al. **Chest** 1981 Apr;79(4 Suppl):114S–122S

Pulmonary function and symptoms in herbal tea workers. Castellan RM, et al. **Chest** 1981 Apr;79(4 Suppl):81S–85S

Factors influencing the interpretation of FEV1 declines across the working shift. Glindmeyer H 3d, et al. **Chest** 1981 Apr;79(4 Suppl):71S–73S

The respiratory health of Quebec textile workers. Grimard M, et al. **Chest** 1981 Apr;79(4 Suppl):20S–22S

Respiratory health in cottonseed crushing mills. Jones RN, et al. **Chest** 1981 Apr;79(4 Suppl):30S–33S

Study of respiratory effect of short- and long-term cotton gin exposure. Larson RK, et al. **Chest** 1981 Apr;79(4 Suppl):22S–26S

Calculator assisted cardiorespiratory monitoring. Finlayson DC, et al. **Crit Care Med** 1981 Aug;9(8):604–5

Respiratory indicators. Lebowitz MD. **Environ Res** 1981 Jun; 25(1):225–35

Dyspnoea, disability and distance walked: comparison of estimates of exercise performance in respiratory disease. McGavin CR, et al. **Int J Rehabil Res** 1980;3(2):235–6

Pulmonary assessment in the ambulatory patient. Goldsmith D, et al. **J Oral Surg** 1980 Oct;38(10):771–3

Clinical expressions of immotile cilia syndrome. Turner JA, et al. **Pediatrics** 1981 Jun;67(6):805–10

[Pulmonary function tests (author's transl)] Bachofen H. **Ther Umsch** 1980 Oct;37(10):833–9 (Eng. Abstr.) **(Ger)**

[Criteria of efficiency and fitness in selected diseases of the cardiovascular system and the respiratory organs] Gramss U, et al. **Z Aerztl Fortbild (Jena)** 1979 Nov 1;73(21):1022–5 **(Ger)**

[Respiratory cytodiagnosis] Malaguzzi Valeri F. **Torace** 1977 Dec;20(1–4):46–52 **(Ita)**

[Diagnostic problems of respiratory diseases in an industrial enterprise] Strelis AK, et al. **Gig Tr Prof Zabol** 1981 Mar; (3):33–6 (Eng. Abstr.) **(Rus)**

[Sarcoidosis of the upper respiratory tracts (a review of the literature)] Chumakov FI, et al. **Probl Tuberk** 1981 Apr; (4):48–53 (77 ref.) (Eng. Abstr.) **(Rus)**

[Contribution to suitable parameters of spirometric screening examinations in occupational medicine (author's transl)] Kolesár D, et al. **Bratisl Lek Listy** 1980 Sep;74(3):253–9 (Eng. Abstr.) **(Slo)**

[Pulmonary distensibility after myocardial infarct.] Hladky M. **Arch Inst Cardiol Mex** 1980 Mar–Apr;50(2):196–7 **(Spa)**

[Dead space in normal newborn infants and infants with pulmonary pathology] García Y, et al. **Rev Chil Pediatr** 1980 Jan–Feb;51(1):31–4 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

How to select an appropriate respiratory drug. Ziment I. **Geriatrics** 1981 May;36(5):89–101

[Clinical experiences with cefotaxim] Fabricius K, et al. **Med Welt** 1980 Jun 6;31(23):885–9 **(Ger)**

[Clinical experiences with guacetisal] **Minerva Med** 1981 Feb 28;72(7):321–462 **(Ita)**

[Clinical evaluation of the therapeutic effectiveness of a new drug with anti-inflammatory-balsamic action, guacetisal, in respiratory tract diseases] Bartolucci L, et al. **Minerva Med** 1981 Feb 28;72(7):325–32 (Eng. Abstr.) **(Ita)**

[Guacetisal: a new molecule with balsamic-antiphlogistic action. Clinical study] Marchesani F, et al. **Minerva Med** 1981 Feb 28;72(7):401–8 (Eng. Abstr.) **(Ita)**

[Broncaspin in respiratory diseases in pediatrics. Clinical contribution] Mora P, et al. **Minerva Med** 1981 Feb 28; 72(7):417–22 (Eng. Abstr.) **(Ita)**

[Broncaspin in the therapy of pediatric diseases of the respiratory tract] Saldi M. **Minerva Med** 1981 Feb 28; 72(7):435–42 (Eng. Abstr.) **(Ita)**

[Aerosol therapy in acute respiratory diseases (review of the literature)] Finogeev IuP. **Voen Med Zh** 1981 Apr;(4):43–5 (19 ref.) **(Rus)**

[Concentration of dimexide in the blood in diseases of the bronchopulmonary system] Radionov BV, et al. **Vrach Delo** 1981 Aug;(8):55–8 **(Rus)**

ETIOLOGY

Smoking and epidemic influenza-like illness in female military recruits: a brief survey. Kark JD, et al. **Am J Public Health** 1981 May;71(5):530-2

Respiratory effects of exposure to dust in taconite mining and processing. Clark TC, et al. **Am Rev Respir Dis** 1980 Jun;121(6):959-66

Respiratory health risks in farmers. Cockcroft DW, et al. **Ann Intern Med** 1981 Sep;95(3):380-3

High incidence of pulmonary symptoms in infants evaluated for esophageal disease. Rothstein FC, et al. **Ann Otol Rhinol Laryngol** 1980 Sep-Oct;89(5 Pt 1):450-3

Intrathoracic manifestations of amoebiasis. Nwafo DC, et al. **Ann R Coll Surg Engl** 1981 Mar;63(2):126-8

Parental smoking and respiratory illness in infancy. Fergusson DM, et al. **Arch Dis Child** 1980 May;55(5):358-61

Respiratory profiles of grain handlers and sedentary workers. Herbert FA, et al. **Can Med Assoc J** 1981 Jul 1;125(1):46-50

Biological effects of mineral fibres. **IARC Sci Publ** 1980; 2(30):497-1007

Asbestos: scientific basis for environmental control of fibres. Acheson ED, et al. **IARC Sci Publ** 1980;2(30):737-54

Exposure to asbestos and respiratory abnormality: the influence of fibre type and nature of exposure. Becklake MR, et al. **IARC Sci Publ** 1980;2(30):763-8

Mortality of workers in the man-made mineral fibre industry. Enterline PE, et al. **IARC Sci Publ** 1980;2(30):965-72

Review of the epidemiology of man-made mineral fibres. Hill JW. **IARC Sci Publ** 1980;2(30):979-83

Introduction: epidemiology of groups exposed to other mineral fibres. Saracci R. **IARC Sci Publ** 1980;2(30):951-63

Bronchoscopic diagnosis and treatment of bronchial stump suture granulomas. Baumgartner WA, et al. **J Thorac Cardiovasc Surg** 1981 Apr;81(4):553-5

The longitudinal approach to the pathogenesis of respiratory disease. Denny FW, et al. **Rev Infect Dis** 1979 Nov-Dec; 1(6):1007-1015

[Passive smoking and the health status in preschool-age children] Hloušek Z. **Cesk Pediatr** 1980 Nov;35(11):606-7 **(Cze)**

[Eyeglasses on the nose] van Dishoeck EA, et al. **Ned Tijdschr Geneeskd** 1981 May 30;125(22):865-8 **(Dut)**

[Gastroesophageal reflux and recurrent respiratory tract symptoms in childhood] Baer M, et al. **Duodecim** 1980; 96(20):1337-47 (Eng. Abstr.) **(Fin)**

[Relapsing polychondritis with predominant respiratory involvement treated with Dapsone :value of pulmonary function tests (author's transl)] Liot F, et al. **Ann Med Interne (Paris)** 1980;131(8):519-24 (Eng. Abstr.) **(Fre)**

[A critical study of the responsibility of gastroesophageal reflux in disease of the lower respiratory tract occurring in children above three years of age. A review of 500 case reports (author's transl)] Baculard A, et al. **Ann Pediatr (Paris)** 1981 Jun;28(6):393-401 **(Fre)**

[Right-sided diaphragmatic hernias of late diagnosis (author's transl)] Krim G, et al. **Ann Pediatr (Paris)** 1979 May; 26(5):295-9 (Eng. Abstr.) **(Fre)**

[Respiratory system and noxa (II). Thematic research coordinated during the decade 1971-1980] **Lille Med** 1980 Dec;25(10):594-608 (203 ref.) **(Fre)**

[Respiratory pathology] **Lille Med** 1981 Jan-Feb; 26(1-2):51-9 **(Fre)**

[Oral hygiene, caries incidence and the periodontal state in children and adolescents and their relation to disease of the throat and respiratory tracts] Polster H, et al. **Stomatol DDR** 1980 Aug;30(8):566-72 (Eng. Abstr.) **(Ger)**

[Pathogenetic mechanisms and the the clinical aspects of secondary pulmonary hypertension and respiratory system diseases] Carratu' L, et al. **Torace** 1979 Mar;22(1):50-71 (115 ref.) **(Ita)**

[Role of immunologic deficiency syndromes in respiratory tract diseases] Rowińska-Zakrzewska E. **Pneumonol Pol** 1981;49(6):447-56 (40 ref.) **(Pol)**

[External respiratory changes in angiographically established coronary sclerosis] Kingisepp PG, et al. **Kardiologiia** 1980; 20(12):76-9 (Eng. Abstr.) **(Rus)**

[Disorders of external respiration in rheumatic heart defects] Markosian AA, et al. **Klin Med (Mosk)** 1980;58(11):69-72 (Eng. Abstr.) **(Rus)**

[The smoking habit - an important mechanism in causing respiratory disorders in miners in Central Slovakia] Malík E, et al. **Cesk Fysiol** 1981 May;30(3):271-2 **(Slo)**

IMMUNOLOGY

[Immunoglobulins in broncho-alveolar lavage in a normal subject and in respiratory pathology (author's transl)] Biot N, et al. **Poumon Coeur** 1980;36(4):263-9 (Eng. Abstr.) **(Fre)**

[Phagocytosis and nitroblue tetrazolium reduction tests in respiratory tract diseases. II. Disorders of granulocyte function in respiratory tract diseases] Wiatr E. **Pneumonol Pol** 1981;49(6):417-25 (Eng. Abstr.) **(Pol)**

[Phagocytosis and nitroblue tetrazolium reduction tests in respiratory tract diseases. I. Evaluation of granulocyte function by means of phagocytosis and nitroblue tetrazolium reduction tests] Wiatr E. **Pneumonol Pol** 1981; 49(6):409-16 (Eng. Abstr.) **(Pol)**

[Effect of donor gamma-globulin on the serum immunoglobulin concentration in infants with acute respiratory diseases] Andrushchuk AA, et al. **Pediatriia** 1980;(9):19-20 **(Rus)**

[State of cellular and humoral immunity in acute respiratory diseases in young children] Mikhailova ZM, et al. **Pediatriia** 1980 Nov;(11):51-2 **(Rus)**

[Diseases of the upper respiratory tracts in atopic bronchial asthma in children] Gadzhimirzaev GA, et al. **Vestn Otorinolaringol** 1980 Sep-Oct;(5):54-7 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Occurrence of fungi in sputum of patients with chronic respiratory disorder. Afzal M. **Indian J Chest Dis Allied Sci** 1980 Jul-Sep;22(3):188-9

[Isolation of the poliomyelitis virus from cases of acute respiratory diseases] Kukhnova LN, et al. **Vopr Virusol** 1980 Sep-Oct;(5):601-5 (Eng. Abstr.) **(Rus)**

MORTALITY

[Mortality of respiratory tract diseases in agricultural occupations in Denmark] Mosbech H. **Ugeskr Laeger** 1980 Nov 10;142(46):3057-8 **(Dan)**

[Mortality of adult inhabitants of Kraków in relation to selected indices of health status (author's transl)] Krzyżanowski M, et al. **Przegl Lek** 1980;37(10):685-91 (Eng. Abstr.) **(Pol)**

NURSING

Home study feature: pulmonary problems in infants and children. **Am J Nurs** 1981 Mar;81(3):509-32

OCCURRENCE

Children's health in families with cigarette smokers. Bonham GS, et al. **Am J Public Health** 1981 Mar;71(3):290-3

Respiratory survey of workers in a pulp and paper mill in Powell River, British Columbia. Chan-Yeung M, et al. **Am Rev Respir Dis** 1980 Aug;122(2):249-57

Respiratory abnormalities among grain handlers: a clinical, physiologic, and immunologic study. DoPico GA, et al. **Am Rev Respir Dis** 1977 Jun;115(6):915-27

Respiratory disease in Utah coal miners. Rom WN, et al. **Am Rev Respir Dis** 1981 Apr;123(4 Pt 1):372-7

The incidence and severity of acute respiratory illness in families exposed to different levels of air pollution, New York metropolitan area, 1971-1972. Love GJ, et al. **Arch Environ Health** 1981 Mar-Apr;36(2):66-74

Some observations on epidemiologic studies in Egyptian gins, cotton pressing plants and cottonseed oil extraction plants. Noweir MH. **Chest** 1981 Apr;79(4 Suppl):15S-20S

Patterns of respiratory diseases in a general hospital in Addis Ababa. Teklu B. **Ethiop Med J** 1980 Oct;18(4):135-43

National study of health and growth: respiratory symptoms and height in primary schoolchildren. Rona RJ, et al. **Int J Epidemiol** 1980 Mar;9(1):35-43

Sickness absence, respiratory impairment and smoking in industry: an australian study. Smith GC, et al. **Med J Aust** 1981 Mar 7;1(5):235-7

Lower respiratory tract illness in Polynesian infants. Kerr AA. **NZ Med J** 1981 May 27;93(684):333-5

[Respiratory system diseases among the rural population] Vlaev R. **Vutr Boles** 1980;19(5):43-8 (Eng. Abstr.) **(Bul)**

[Respiratory symptoms in school-age children, in 7 areas of France] Perdrizet S, et al. **Arch Fr Pediatr** 1979 Nov; 36(9):940-8 (Eng. Abstr.) **(Fre)**

[Cough and wheezing in Iraq] Al-Damluji SF. **Bull Int Union Tuberc** 1980 Mar-Jun;55(1-2):29-34 **(Fre)**

[Symptoms and findings at the bronchopulmonary system of electric arc welders. I. Communication: epidemiology (author's transl)] Zober A. **Zentralbl Bakteriol [B]** 1981; 173(1-2):92-119 (Eng. Abstr.) **(Ger)**

[Respiratory and skin diseases in class fiber workers (author's transl)] Maggioni A, et al. **Med Lav** 1980 May-Jun; 71(3):216-27 (Eng. Abstr.) **(Ita)**

[Preliminary results of an epidemiological study of respiratory pathology in 2 school populations with different environmental and socioeconomic situations] Baldini G, et al. **Minerva Pediatr** 1980 Jan 15;32(1):29-32 (Eng. Abstr.) **(Ita)**

[Acute respiratory dis observed in a Palermo pediatric ward during the 1st months of 1979: etiologic role of syncytial respiratory virus] Chiarini A, et al. **Pediatria (Napoli)** 1980 Sep 30;88(3):361-75 (Eng. Abstr.) **(Ita)**

[Respiratory diseases in the aged] Suzuki T, et al. **Nippon Rinsho** 1981 Mar;39(3):560-4 **(Jpn)**

[Epidemiology of occupational otolaryngological diseases in Poland in the years 1971-1977 (author's transl)] Sułkowski W, et al. **Otolaryngol Pol** 1980;34(5):481-7 (Eng. Abstr.) **(Pol)**

[Morbidity among children living in the city areas with different degree of air pollution] Dautov FF, et al. **Gig Sanit** 1980 Nov;(11):3-5 (Eng. Abstr.) **(Rus)**

[Organization and effectiveness of mass population examinations for detecting chronic respiratory organ diseases of nontuberculous etiology] Vil'derman AM, et al. **Probl Tuberk** 1981 Apr;(4):13-6 (Eng. Abstr.) **(Rus)**

[Frequency of nontuberculous, nontumorous diseases of the respiratory organs based on data on consultations for medical care in districts of Leningrad and Prague] Tyshetskiĭ VI, et al. **Sov Zdravookhr** 1981;(4):35-8 (Eng. Abstr.) **(Rus)**

[Planning pulmonological services to the population from an urban polyclinic] Tyshetskiĭ VI, et al. **Vrach Delo** 1981; (6):119-22 **(Rus)**

PATHOLOGY

[Amyloidosis in the current clinical picture of tuberculosis and other respiratory organ diseases] Brikmanis EP, et al. **Probl Tuberk** 1981 Jan;(1):68-70 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Increased nonspecific bronchial reactivity in cigarette smokers with normal lung function. Gerrard JW, et al. **Am Rev Respir Dis** 1980 Oct;122(4):577-81

The pathophysiology of disorders of oxygen transport in the infant. Talner NS, et al. **Curr Probl Pediatr** 1981 Jan; 11(3):1-50

Mucus in the bronchi and respiratory pathophysiology. Chodosh S. **Eur J Respir Dis [Suppl]** 1980;61(111):35-6

Acid-base balance in the patient with respiratory disease. Cardin S. **Nurs Clin North Am** 1980 Sep;15(3):593-601

Immotile cilia. Afzelius BA, et al. **Thorax** 1980 Jun; 35(6):401-4

[Achievement in respiratory system diseases during past 20 years in China (author's transl)] Mu KJ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1979;2(3):129-35 **(Chi)**

[Significance of electromyography of the diaphragm in respiratory physiopathology] Delhez L. **Electrodiagn Ther** 1979;16(1):7-22 (Eng. Abstr.) **(Fre)**

[Considerations on a pathology of the diaphragm. 1st Report: the pathology of the diaphragm as a part of a pathology of respiration (author's transl)] Kühne W, et al. **Z Erkr Atmungsorgane** 1979 Jun;153(3):327-30 (Eng. Abstr.) **(Ger)**

PREVENTION & CONTROL

Early extubation versus prophylactic ventilation in the high risk patient: a comparison of postoperative management in the prevention of respiratory complications. Shackford SR, et al. **Anesth Analg (Cleve)** 1981 Feb;60(2):76-80

Health education in chest and heart disease: the professionals responsibility. Auld MG. **J Hum Nutr** 1980 Dec; 34(6):452-4

Evaluation of a respiratory health education program. MacPherson BV, et al. **J Sch Health** 1980 Dec;50(10):564-7

Use of temperature-sensitive and cold-adapted mutant viruses in immunoprophylaxis of acute respiratory tract disease. Chanock RM, et al. **Rev Infect Dis** 1980 May-Jun; 2(3):421-32 (63 ref.)

[Recent advances in the control of respiratory diseases; a new outlook on our future plans (author's transl)] Wu SQ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1979;2(2):65-71 **(Chi)**

[Prevention of postoperative respiratory and thromboembolic lung complications] Chukhrienko ND, et al. **Klin Khir** 1980 Oct;(10):31-4 (Eng. Abstr.) **(Rus)**

[Diseases of the respiratory tract and health] Pacheco CR. **Gac Med Mex** 1980 Feb;116(2):53-64 **(Spa)**

RADIOGRAPHY

Respiratory distress in the newborn: radiological approach, differential diagnosis. Bomsel F, et al. **J Belge Radiol** 1980; 63(1):89-107

[Radiological examination of the upper respiratory tract in children with acute obstruction (author's transl)] Spehl-Robberecht M. **J Belge Radiol** 1980;63(1):43-8 (Eng. Abstr.) **(Fre)**

REHABILITATION

Smoking cessation among pulmonary patients as related to type of respiratory disease and demographic variables. Pederson LL, et al. **Can J Public Health** 1980 May-Jun; 71(3):191-4

[Therapeutic rehabilitation in pediatrics. Rehabilitation of respiratory diseases] Javurek J. **Cesk Pediatr** 1981 Mar; 36(3):153-5 **(Cze)**

SURGERY

[Thoracic surgery in curing children and adolescents suffering from tuberculosis and other respiratory organ diseases] Ertli AA. **Probl Tuberk** 1981 Jan;(1):33-6 (Eng. Abstr.) **(Rus)**

THERAPY

Chest physical therapy. The immediate effect on oxygenation in acutely ill patients. Connors AF Jr, et al. **Chest** 1980 Oct;78(4):559-64

Prophylactic intubation and continuous positive airway pressure in the management of inhalation injury in burn victims. Venus B, et al. **Crit Care Med** 1981 Jul;9(7):519-23

The position of pneumology and phtisiology in the health care system of the Czechoslovak Socialist Republic. Trefný J, et al. **Czech Med** 1980;3(2):97-101

Joseph E. Smadel memorial lecture. Strategy for development of respiratory and gastrointestinal tract viral vaccines in the 1980s. Chanock RM. **J Infect Dis** 1981 Mar; 143(3):364-74 (62 ref.)

Domiciliary oxygen: a survey and clinical assessment of

patients in Christchurch. Hore PM, et al. **NZ Med J** 1981 Jun 24;93(686):413–7

Bronchoscopy in respiratory care. Ratliff JL. **Surg Clin North Am** 1980 Dec;60(6):1497–501

[Therapy of chronic respiratory tract diseases (author's transpl)] Nolte D. **Infection** 1979;7(6):573–6 (Eng. Abstr.) **(Ger)**

[Clinical features and therapy of acute respiratory diseases in children (author's transl)] Fröhlich V, et al. **Z Erkr Atmungsorgane** 1980;154(1):36–47 (Eng. Abstr.) **(Ger)**

[Long term clinical and radiological follow-up of patients given respiratory assistance during the neonatal period] Frascarolo L, et al. **Minerva Anestesiol** 1980 May; 46(5):597–605 (Eng. Abstr.) **(Ita)**

[Respiratory physiokinesitherapy in children. Indications and technics] Malaspina M, et al. **Minerva Pediatr** 1979 Jan 15;31(1):67–80 **(Ita)**

[Humidified oxygen inhalation therapy] Nanulescu M, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1981 Apr–Jun; 30(2):185–90 (Eng. Abstr.) **(Rum)**

[1st results obtained with the Monaghan 228 respirator in our respiratory care units] de las Mulas M, et al. **Rev Esp Anestesiol Reanim** 1980 Jan;27(1):73–89 (Eng. Abstr.) **(Spa)**

VETERINARY

Respiratory problems in nursing beef calves. Amstutz HE. **Mod Vet Pract** 1980 Oct;61(10):855–7

Pathology of the avian respiratory system. Fletcher OJ. **Poult Sci** 1980 Dec;59(12):2666–79

Pasteurella haemolytica and respiratory disease in cattle. Frank GH. **Proc Annu Meet US Anim Health Assoc** 1979; (83):153–60

Focal mineralization and nonspecific granulomatous inflammation of respiratory mucous membranes in pigs. Gilka F, et al. **Vet Pathol** 1981 Jul;18(4):541–8

[Demonstration and differentiation of mycoplasmas in bronchial secretions including serological study of horses with acute and chronic respiratory tract diseases] Ammar A, et al. **Berl Muench Tieraerztl Wochenschr** 1980 Dec 1; 93(23):457–62 (Eng. Abstr.) **(Ger)**

RESPIRATORY TRACT INFECTIONS

Inexpensive method of increasing immunization rates. Chilton LA. **Pediatrics** 1980 Nov;66(5):800–2

Maxwell Finland lecture: the influenza viruses and the human respiratory tract. Stuart-Harris CH. **Rev Infect Dis** 1979 Jul–Aug;1(4):592–9

[Upper respiratory infectious diseases in children in Zaïre (author's transl)] Disengomoka I, et al. **Ann Pediatr (Paris)** 1980;27(9):629–31 (Eng. Abstr.) **(Fre)**

[Viral respiratory infections] Pugliese A. **Minerva Med** 1980 Dec 8;71(49):3587–98 (Eng. Abstr.) **(Ita)**

[Viral respiratory diseases in childhood] Tovo PA. **Minerva Med** 1980 Dec 8;71(49):3607–10 (Eng. Abstr.) **(Ita)**

[Recent topics of respiratory infection. 2. Acute viral respiratory infections (author's transl)] Kaji M. **Nippon Naika Gakkai Zasshi** 1980 Jun 6;69(6):652–8 **(Jpn)**

BLOOD

Epidemiologic observations on eosinophilia and its relation to respiratory disorders. Burrows B, et al. **Am Rev Respir Dis** 1980 Nov;122(5):709–19

The effect of minor illness on the heparin thrombin clotting time. O'Brien JR, et al. **Thromb Res** 1980 Jul 1–15; 19(1–2):55–61

[Blood viscosity in pneumonia and acute respiratory tract infections] Turczyński B, et al. **Pol Tyg Lek** 1980 Oct 20; 35(42):1607–9 (Eng. Abstr.) **(Pol)**

[Description of the leukocyte count dynamics in pneumonia and acute respiratory viral infection] Ryneiskaia ES, et al. **Pediatriia** 1981 Jan;(1):23–5 (Eng. Abstr.) **(Rus)**

[Immunoglobulins A, M, G, and E in children with acute viral respiratory diseases and the croup syndrome] Bikbulatov RM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Aug;(8):83–7 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Immunodeficiency in pediatric otolaryngology. Kimmelman CP, et al. **Am J Otolaryngol** 1979 Fall;1(1):33–8

Orbital myositis after upper respiratory tract infection. Purcell JJ Jr, et al. **Arch Ophthalmol** 1981 Mar;99(3):437–8

Lameness following a febrile URI. Risser W. **Hosp Pract** 1981 Aug;16(8):152–3

Secretory otitis media—a retrospective general practice survey. Schutte PK, et al. **J Laryngol Otol** 1981 Jan; 95(1):17–22

Patterns of illness in the highly febrile young child: epidemiologic, clinical, and laboratory correlates. Wright PF, et al. **Pediatrics** 1981 May;67(5):694–700

Subcutaneous and mediastinal emphysema following respiratory tract complications in measles. Yalaburgi SB. **S Afr Med J** 1980 Sep 27;58(13):521–4

[Clinical aspects of viral respiratory infections] Pescetti G, et al. **Minerva Med** 1980 Dec 8;71(49):3599–605 (Eng. Abstr.) **(Ita)**

[Viral respiratory tract infections and the development of asthma] Kowalski ML. **Pol Arch Med Wewn** 1981; 65(5):391–7 **(Pol)**

[Significance of respiratory viral infections in pulmonary tuberculosis] Karusoo Ialа, et al. **Probl Tuberk** 1981 Jan; (1):45–7 (Eng. Abstr.) **(Rus)**

[Significance of acute respiratory diseases and pediatric infections in the development of diabetes mellitus in children] Lozovskaia LS, et al. **Vopr Okhr Materin Det** 1980 Jul;25(7):20–3 (Eng. Abstr.) **(Rus)**

[Effect of acute respiratory viral infection on the formation of postvaccinal measles immunity] Tikhonova NT, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Dec;(12):70–5 (Eng. Abstr.) **(Rus)**

[Acute infection with a high fever. Use of antipyretics and the appearance of a secondary febrile reaction] Tasovac B. **Srp Arh Celok Lek** 1981 Jul–Aug;108(7–8):757–65 **(Sec)**

DIAGNOSIS

Respiratory infections in the older infant [letter] Everett CB. **Br Med J** 1980 Aug 9;281(6237):456

Respiratory infections in the older infant. Valman HB. **Br Med J** 1980 Jun 14;280(6229):1438–42

A tale of two brushes [editorial] Faling LJ. **Chest** 1981 Feb; 79(2):155–6

The use of quantitative sterile brush culture and gram stain analysis in the diagnosis of lower respiratory tract infection. Teague RB, et al. **Chest** 1981 Feb;79(2):157–61

Flexible fiberoptic bronchoscopy in lower respiratory tract infection. Kulpati DD, et al. **Indian J Chest Dis Allied Sci** 1980 Jan–Mar;22(1):39–46

Serological study of acute respiratory tract infection in children with reference to Mycoplasma pneumoniae complement fixing and cold hemagglutinating antibodies. Angadi SA, et al. **Indian J Pathol Microbiol** 1980 Jan; 23(1):65–8

Fiberoptic bronchoscopy in bacteriologic assessment of lower respiratory tract secretions. Importance of microscopic examination. Flatauer FE, et al. **JAMA** 1980 Nov 28;244(21):2427–9

The role of transtracheal aspiration in the diagnosis of respiratory infection in neutropenic patients with acute leukaemia. Slevin ML, et al. **Leuk Res** 1981;5(2):165–8

[Etiology of acute lung infection (author's transl)] Serruys-Schoutens E. **Rev Med Brux** 1981 Feb;2(2):93–4 (Eng. Abstr.) **(Fre)**

[Bronchoalveolar lavage (author's transl)] Vandermoten G, et al. **Rev Med Brux** 1981 Feb;2(2):121–4 (Eng. Abstr.) **(Fre)**

[Microbiological diagnosis of lower respiratory tract and pulmonary infections] Fritsche, et al. **Zentralbl Bakteriol [A]** 1980 Nov;248(2):162–76 **(Ger)**

[Transtracheal aspiration in pulmonary infections] Liberman D, et al. **Harefuah** 1981 Feb 1;100(3):116–7 (Eng. Abstr.) **(Heb)**

[The use of transtracheal aspiration in the bacteriological diagnosis of pulmonary infection] Liberman D, et al. **Harefuah** 1981 Feb 1;100(3):136–8 **(Heb)**

[Critical considerations on the laboratory research in infections from respiratory syncytial virus (RSV) (author's transl)]] De Rosa F, et al. **Ann Sclavo** 1980 Mar–Apr; 22(2):147–52 (Eng. Abstr.) **(Ita)**

[Acute upper respiratory tract syndrome. Etiology and laboratory diagnosis] Nardi G. **Minerva Pediatr** 1981 Jul 15;33(13):661–70 **(Ita)**

[Pneumonia and other respiratory infections due to Mycoplasma pneumoniae] Voiculescu M, et al. **Rev Med Interna [Med Interna]** 1980 May–Jun;32(3):249–52 (Eng. Abstr.) **(Rum)**

[Use of the nitroblue tetrazolium reduction reaction for the differential diagnosis of acute respiratory diseases and pneumonias in newborn infants] Pikuza OI, et al. **Pediatriia** 1980;(9):17–9 **(Rus)**

DRUG THERAPY

Experimental respiratory tract infection with Klebsiella pneumoniae DT–S in mice: chemotherapy with kanamycin. Nishi T, et al. **Antimicrob Agents Chemother** 1980 Mar; 17(3):494–505

Efficacy of antimicrobial drugs against staphylococci in cystic fibrosis. Brown J. **Aust Paediatr J** 1980 Sep; 16(3):207–9

The treatment of respiratory infections in general practice: a multi-centre trial. **Br J Clin Pract** 1980 May;34(5):136–9

Cefamandole in the treatment of purulent respiratory infections. Studies of 3 and 4 g daily in 121 patients. Pines A, et al. **Chemotherapy** 1981;27(1):68–72

An evaluation of parenteral mecillinam in a chest hospital. Pines A, et al. **Curr Med Res Opin** 1981;7(3):137–41

Treatment of acute chest infections: which antibiotic? Rothwell RP. **Drugs** 1981 Jun;21(6):464–70

Bacampicillin (Penglobe) given twice a day in the treatment of respiratory tract infections in general practice. Pauwels R, et al. **G Ital Chemioter** 1979 Jan–Dec;26(1–2):335–41

High dosage tobramycin treatment of children with cystic fibrosis. Bacteriological effect and clinical ototoxicity. Thomsen J, et al. **Int J Pediatr Otorhinolaryngol** 1979 Jul; 1(1):33–40

Cefamandole in the treatment of lower respiratory tract infections. Clarke CW, et al. **J Antimicrob Chemother** 1980 Nov;6(6):723–31

Cefotaxime in the treatment of lower respiratory tract infections. Hänninen P, et al. **J Antimicrob Chemother** 1980 Sep;6 Suppl A:181–5

Cefotaxime in bronchopulmonary infections—a clinical and pharmacological study. Lode H, et al. **J Antimicrob Chemother** 1980 Sep;6 Suppl A:193–8

Cefotaxime in lower respiratory tract infections compared to cefazolin. Miki F, et al. **J Antimicrob Chemother** 1980 Sep;6 Suppl A:169–75

Clavulanic acid and respiratory infection [letter] Roberts DE, et al. **J Antimicrob Chemother** 1981 Jan;7(1):112

Prospective clinical trial on the efficacy of amoxycillin administered twice or four times daily in children with respiratory tract infections. Daschner FD, et al. **J Int Med Res** 1981;9(4):274–6

Use of oral cephalosporins in the treatment of upper and lower respiratory tract infections: an overview. Klimek JJ. **J Int Med Res** 1980;8(Suppl 1):77–81

Clinical evaluation of piperacillin in bronchopulmonary infection. Marlin GE, et al. **J Int Med Res** 1981;9(4):268–73

The role of the carrier in treatment failures after antibiotic for group A streptococci in the upper respiratory tract. Kaplan EL, et al. **J Lab Clin Med** 1981 Sep;98(3):326–35

A double-blind controlled trial of anti-Pseudomonas chemotherapy of acute respiratory exacerbations in patients with cystic fibrosis. Hyatt AC, et al. **J Pediatr** 1981 Aug; 99(2):307–14

Doxycycline in the treatment of lower respiratory tract infections. Roy DC, et al. **J Postgrad Med** 1980 Oct; 26(4):225–30

Why not prescribe antibiotics for 'heavy colds'? McSherry JA. **J R Coll Gen Pract** 1981 Jan;31(222):49

Survey of antibiotic prescribing in a district general hospital. II. Lower respiratory tract infection. Moss FM, et al. **Lancet** 1981 Aug 22;2(8243):407–9

Respiratory infections. Rydén IC, et al. **Med Times** 1981 Mar; 109(3):80–93, 95

A double-blind study comparing cefaclor and amoxycillin in the treatment of respiratory tract infections in general practice. Brodie NH, et al. **Pharmatherapeutica** 1980; 2(7):494–8

The efficacy of twice daily cephalexin. Browning AK. **Pharmatherapeutica** 1981;2(9):559–64

Upper respiratory illness in perspective. Everett MT. **Practitioner** 1981 Mar;225(1353):379–91

Worldwide experience with bacampicillin administered twice a day. Craig WA, et al. **Rev Infect Dis** 1981 Jan–Feb; 3(1):171–7

Tinidazole in the treatment of infections of the upper respiratory tract. Lundberg C, et al. **Scand J Infect Dis [Suppl]** 1981;26:130–4

[Current aspects of clinical bronchopulmonary and cardiovascular clinical pharmacology. Talampicillin in acute bronchopulmonary diseases in mine workers] Bruninx M, et al. **Rev Inst Hyg Mines (Hasselt)** 1979;34(2):95–103 (Eng. Abstr.) **(Dut, Fre)**

[Cefaclor in the treatment of upper respiratory tract bacterial infections in children. A comparative trial of cefaclor/cefalexin (author's transl)] Leveque B, et al. **Ann Pediatr (Paris)** 1980 Jun;27(6):405–8 (Eng. Abstr.) **(Fre)**

[Thiamphenicol glycinate acetylcysteinate in the treatment of acute respiratory infections with mucostasis] Mayaud C, et al. **Eur J Respir Dis [Suppl]** 1980;61(111):70–3 (Eng. Abstr.) **(Fre)**

[Bacampicillin in the treatment of upper airway infections] Rebattu JP, et al. **J Fr Otorhinolaryngol** 1981 Feb; 30(2):123–5 **(Fre)**

[Efficacy and tolerance of josamycin in the treatment of acute respiratory infections] Mizon JP. **Lille Med** 1980 Oct; 25(8):468–9 **(Fre)**

[Solacy: its place in the treatment of refractory and recurrent diseases of the upper respiratory tract] Legent F. **Rev Laryngol Otol Rhinol (Bord)** 1980 Mar–Apr; 101(3–4):185–8 **(Fre)**

[Role of synthetic antibacterial agents in respiratory pathology in children] Gallet JP, et al. **Sem Hop Paris** 1980 Oct 18–25;56(39–40):1641–2 **(Fre)**

[The treatment of bacterial respiratory and urinary tract infections with cefazedone. Clinical proof of effectiveness and tolerance] Schneiderhan H, et al. **Fortschr Med** 1981 Mar 26;99(12):435–8 **(Ger)**

[Therapy of chronic respiratory tract infections in children, including mucoviscidosis (author's transl)] Adam D. **Infection** 1979;7(6):577–9 (Eng. Abstr.) **(Ger)**

[Cefoperazone—a new cephalosporin antibiotic with broader spectrum of activity] Jendroschek T, et al. **Med Klin** 1981 Feb 13;76(4):102–6, 70 (Eng. Abstr.) **(Ger)**

[Clinical experiences with the new bactericidal broad-band chemotherapeutic drug co-tetroxazine] Kertzendorff KW. **Med Welt** 1980 Sep 12;31(37):1321–5 **(Ger)**

[The treatment with minocyciline (Minocin) in daily pediatric practice (author's transl)] Rentsch M. **Praxis** 1980 Nov 25; 69(47):1756–9 (Eng. Abstr.) **(Ger)**

[Thiamphenicol versus trimethoprim-sulfamethoxazole in bacterial exacerbations of chronic unspecific respiratory tract diseases. A controlled study] Medici TC, et al. **Schweiz Med Wochenschr** 1980 Jul 26;110(30):1128–37 (Eng. Abstr.) **(Ger)**

[Respiratory tract infections. Current therapy in practice]

ZFA (Stuttgart) 1980 May 20;56(14):1015–6 (Ger)

[Prevention and therapy of chronic respiratory tract infections with reference to selective IgA deficiency, with a contribution to paramunity (long term study in general practice)] Camerer W. ZFA (Stuttgart) 1980 May 31; 56(15):1049–57 (Ger)

[Chronic infections of the lower respiratory tract. Antibiotic therapy. Results of a double-blind study: tetracycline–HCl as a monosubstance versus tetracycline and bromeline] Lucchi R, et al. ZFA (Stuttgart) 1980 Apr 20;56(11):807–12 (Ger)

[Use of amoxicillin (instant syrup) in pediatrics] Perinotto G, et al. Clin Ter 1980 Feb 29;92(4):373–87 (Eng. Abstr.) (Ita)

[Absorption, elimination and therapeutic effectiveness of a new antibiotic and mucolytic combination for oral administration] Silvia G, et al. G Clin Med 1981 Mar; 62(3):209–27 (Eng. Abstr.) (Ita)

[Clinical results of the use in pediatrics of a new combination of beta-lactams] Crosato M, et al. G Ital Chemioter 1979 Jan–Dec;26(1–2):319–22 (Ita)

[Nephrotoxicity of aminoglycoside antibiotics] Giura R, et al. G Ital Chemioter 1979 Jan–Dec;26(1–2):297–300 (Ita)

[Clinical experience with Flunicef. A new antibiotic combination] Marini U. G Ital Chemioter 1979 Jan–Dec; 26(1–2):323–7 (Ita)

[Clinical considerations on a new synthetic compound with antipyretic and anticatarrhal action] D'Urso G, et al. Minerva Med 1981 Feb 28;72(7):367–9 (Eng. Abstr.) (Ita)

[Antiviral therapy today] Tovo PA. Minerva Med 1980 Dec 8;71(49):3633–7 (Eng. Abstr.) (Ita)

[Clinical study of the properties of Bisolvon in the therapy of respiratory diseases in children] Vendemmia S, et al. Minerva Pediatr 1981 Mar 15;33(5):227–31 (Ita)

[Use of an ampicillin–flucloxacillin combination in the treatment of respiratory tract infections in a series of pediatric cases] Chiossi FM. Pediatria (Napoli) 1980 Jun 30;88(2):249–58 (Eng. Abstr.) (Ita)

[The evaluation of specific therapy during respiratory and urinary bacterial infections (author's transl)] Fiorucci GC, et al. Quad Sclavo Diagn 1979 Jun;15 Suppl 1:673–8 (Eng. Abstr.) (Ita)

[Clinical studies of cefoxitin for the treatment of chronic respiratory tract infections (author's transl)] Asakawa M, et al. Jpn J Antibiot 1981 Feb;34(2):205–10 (Eng. Abstr.) (Jpn)

[Clinical experience with cefadroxil dry syrup in pediatric infections (author's transl)] Fujita M, et al. Jpn J Antibiot 1981 Feb;34(2):143–5 (Eng. Abstr.) (Jpn)

[Clinical study of cefoxitin in chronic respiratory tract infections: evaluation in poorly responding cases to other antibiotics (author's transl)] Hiraga Y, et al. Jpn J Antibiot 1980 Oct;33(10):1111–24 (Eng. Abstr.) (Jpn)

[Clinical evaluation of cephacetrile (Celtol) for respiratory infections (author's transl)] Horiuchi N, et al. Jpn J Antibiot 1980 Oct;33(10):1145–55 (Jpn)

[Massive cefmetazole (CS–1170) therapy for extremely severe respiratory infections (author's transl)] Isawa T, et al. Jpn J Antibiot 1980 Aug;33(8):758–66 (Jpn)

[Clinical experience of cefadroxil for respiratory infections (author's transl)] Kajiki A, et al. Jpn J Antibiot 1980 Dec; 33(12):1274–6 (Jpn)

[Evaluation of ampicillin–dicloxacillin combination (HI–56 G) in pediatric field (author's transl)] Nakazawa S, et al. Jpn J Antibiot 1980 Nov;33(11):1232–6 (Jpn)

[Clinical investigation of cefadroxil in pediatric field (author's transl)] Nanri S, et al. Jpn J Antibiot 1981 Feb;34(2):152–6 (Eng. Abstr.) (Jpn)

[Clinical evaluation of ceftezole (Celoslin) for respiratory infections (author's transl)] Sawaki M, et al. Jpn J Antibiot 1981 Feb;34(2):188–93 (Jpn)

[Clinical investigations of cefadroxil in the infections of children (author's transl)] Sugaya N, et al. Jpn J Antibiot 1981 Feb;34(2):157–60 (Eng. Abstr.) (Jpn)

[A new oral administration method of minocycline (Minomycin) (author's transl)] Takii M, et al. Jpn J Antibiot 1980 Jul;33(7):724–7 (Jpn)

[Clinical results of cefadroxil in children and pharmacokinetics of the drug (author's transl)] Takimoto M, et al. Jpn J Antibiot 1981 Feb;34(2):140–2 (Eng. Abstr.) (Jpn)

[Comparative study of the effectiveness of cefotaxime and cefazolin on respiratory tract infection (author's transl)] Kansenshogaku Zasshi 1980 Sep;54(9):471–517 (Eng. Abstr.) (Jpn)

[Comparative test of the effectiveness of cefoperazone (T–1551) and cefazolin (CEZ) on respiratory tract infection by double blind method (II) (author's transl)] Kansenshogaku Zasshi 1980 Dec;54(12):798–835 (Eng. Abstr.) (Jpn)

[Value of quantitative bacteriological examination of sputum in the evaluation of the effectiveness of chemotherapy of bacterial respiratory tract infections. II. Clinical studies] Nikodemowicz E, et al. Pneumonol Pol 1980 Aug; 48(8):545–22 (Eng. Abstr.) (Pol)

[Value of quantitative bacteriological examination of sputum in the evaluation of the effectiveness of chemotherapy of bacterial respiratory tract infections. I. Bacteriological studies] Przybylkiewicz Z, et al. Pneumonol Pol 1980 Aug; 48(8):535–43 (Eng. Abstr.) (Pol)

[Indications and results of immunostimulation with microbial products in diseases of the upper respiratory tract] Seropian E, et al. Rev Chir [Otorinolaringol] 1981 Jan–Mar; 26(1):77–9 (Rum)

ECONOMICS

[Respiratory diseases of children in an early age as a cause of absenteeism of the mothers from their working place and economical losses caused herewith (author's transl)] Thiemann HH, et al. Aerztl Jugendkd 1981;72(3):189–94 (Eng. Abstr.) (Ger)

ENZYMOLOGY

Aspiration in seriously ill patients: a study of amylase in bronchial secretions. Clarke PD, et al. J Clin Pathol 1981 Jul;34(7):803–5

ETIOLOGY

Pityrosporum isolate from the upper respiratory tract. Oberle AD, et al. Am J Clin Pathol 1981 Jul;76(1):112–6

Parainfluenzavirus upper respiratory tract illnesses in partially immune adult human subjects: a study at an Antarctic station. Parkinson AJ, et al. Am J Epidemiol 1979 Dec;110(6):753–63

Cross-infection from contaminated anaesthetic equipment. A real hazard? Nielsen H, et al. Anaesthesia 1980 Jul 7; 35(7):703–8 (93 ref.)

Clinical polymorphism of diseases caused by non-poliomyelitis enteroviruses. Vâță A, et al. Arch Roum Pathol Exp Microbiol 1980 Jul–Sep;39(3):221–8

Experimental models for study of common respiratory viruses. Clyde WA Jr. Environ Health Perspect 1980 Apr; 35:107–12

Bathing fever epidemic of unknown aetiology in Finland. Aro S, et al. Int J Epidemiol 1980 Sep;9(3):215–8

The pathogenesis and treatment of pulmonary infections in patients with cystic fibrosis. Marks MI. J Pediatr 1981 Feb; 98(2):173–9 (58 ref.)

Influence of upper airway obstruction by enlarged tonsils and adenoids upon recurrent infection of the lower airway in childhood. Konno A, et al. Laryngoscope 1980 Oct;90(10 Pt 1):1709–16

Biology of Bordetella bronchiseptica. Goodnow RA. Microbiol Rev 1980 Dec;44(4):722–38 (170 ref.)

Recurrent rhinosporidiosis in man–case reports. Chitravel V, et al. Mycopathologia 1981 Feb 13;73(2):79–82

Changes and changing concepts in the biology of group A streptococci and in the epidemiology of streptococcal infections. Wannamaker LW. Rev Infect Dis 1979 Nov–Dec;1(6):967–75 (46 ref.)

[The immotile cilia syndrome] Nickels J, et al. Duodecim 1980;96(12):857–62 (Eng. Abstr.) (Fin)

[Clinical manifestations and therapy of acute respiratory infections in adults (author's transl)] Henne K. Z Erkr Atmungsorgane 1980;154(1):48–59 (Eng. Abstr.) (Ger)

[Effect of upper respiratory tract diseases on the course of bronchopulmonary diseases] Ogii NV, et al. Vrach Delo 1981;(4):21–3 (Eng. Abstr.) (Rus)

[Respiratory infections of viral etiology] Kostić A, et al. Srp Arh Celok Lek 1979 Nov;107(11):677–86 (Eng. Abstr.) (Scc)

FAMILIAL & GENETIC

Hereditary angioedema: association with IgA deficiency and otolaryngologic disorders. Bond WR Jr, et al. Laryngoscope 1981 Mar;91(3):416–21

IMMUNOLOGY

Selective immunoglobulin G4 deficiency and recurrent infections of the respiratory tract. Beck CS, et al. Am Rev Respir Dis 1981 Jul;124(1):94–6

Immunocompetence of children with frequent respiratory infections. Beard LJ, et al. Arch Dis Child 1981 Feb; 56(2):101–5

In vitro cell-dependent lysis of respiratory syncytial virus-infected cells mediated by antibody from local respiratory secretions. Cranage MP, et al. Clin Exp Immunol 1981 Jan;43(1):28–35

Outcome of influenza infection: effect of site of initial infection and heterotypic immunity. Yetter RA, et al. Infect Immun 1980 Aug;29(2):654–62

Comparison of direct immunofluorescent staining of clinical specimens for respiratory virus antigens with conventional isolation techniques. Minnich L, et al. J Clin Microbiol 1980 Sep;12(3):391–4

Detection of respiratory syncytial, parainfluenza type 2, and adenovirus antigens by radioimmunoassay and enzyme immunoassay on nasopharyngeal specimens from children with acute respiratory disease. Sarkkinen HK, et al. J Clin Microbiol 1981 Feb;13(2):258–65

Respiratory infections in infants on mechanical ventilation: the immune response as a diagnostic aid. Giacoia GP, et al. J Pediatr 1981 May;98(5):691–5

Immunity to mycoplasma infections of the respiratory tract: a review. Taylor G. J R Soc Med 1979 Jul;72(7):520–6 (34 ref.)

Serum immunoglobulin values in white and black South African pre-school children. Part 2: Children with respiratory infections. Roode H. J Trop Pediatr 1980 Jun; 26(3):108–13

[Changes in immunoreactivity in children with recurrent respiratory infections] Polívka V, et al. Cesk Pediatr 1981 Feb;36(2):74–6 (Eng. Abstr.) (Cze)

[Indicators of cellular and humoral immunity in suppurative respiratory tract infections] Rowińska-Zakrzewska E, et al. Pneumonol Pol 1981;49(6):401–8 (Eng. Abstr.) (Pol)

[Secondary immunologic deficiency in chronic purulent diseases of the lungs and pleura] Nikiforov VA. Klin Med (Mosk) 1980 Oct;58(10):95–8 (Eng. Abstr.) (Rus)

[Role of pathogenic Staphylococcus in viral respiratory diseases in children] Galkina MV, et al. Pediatriia 1980; (9):20–2 (Eng. Abstr.) (Rus)

[Indicators of nonspecific resistance and peripheral blood in viral and mycoplasma respiratory tract infections] Chebotkevich VN, et al. Ter Arkh 1980;52(11):29–32 (Eng. Abstr.) (Rus)

[Viremia in children with chronic respiratory organ diseases] Nisevich LL, et al. Vopr Okhr Materin Det 1980 Aug; 25(8):13–6 (Eng. Abstr.) (Rus)

[Immunofluorescent visualization and detection of secretory immunoglobulin A in respiratory tract secretions of children with respiratory disorders (author's transl)] Nosková J, et al. Bratisl Lek Listy 1981 Feb;75(2):136–43 (Eng. Abstr.) (Slo)

METABOLISM

Serum derived protease inhibitors and leucocyte elastase in sputum and the effect of infection. Stockley RA, et al. Bull Eur Physiopathol Respir 1980;16 Suppl:261–72

[Evaluation of the antibiotic levels in blood and in respiratory secretions in various types of bronchopulmonary infections] Cía P, et al. Rev Clin Esp 1980 Sep 30;158(6):289–95 (Eng. Abstr.) (Spa)

MICROBIOLOGY

An outbreak of respiratory disease due to a type 5 adenovirus identified as genome type 5a. Bručková M, et al. Acta Virol (Praha) 1980 May;24(3):161–5

Experimental infection of the respiratory tract with Mycoplasma pneumoniae. Hu PC, et al. Environ Health Perspect 1980 Apr;35:101–6

Role of adherence in the pathogenesis of Pseudomonas aeruginosa lung infection in cystic fibrosis patients. Woods DE, et al. Infect Immun 1980 Dec;30(3):694–9

A study on influenza virus and associated bacterial pathogens in upper and lower respiratory tract infections in children. Hassan AI, et al. J Egypt Public Health Assoc 1979; 54(5–6):275–89

Streptococcus pyogenes in the throat: a study in a small population, 1962–1975. Hope-Simpson RE. J Hyg (Lond) 1981 Aug;87(1):109–29

Rotavirus infection and respiratory symptoms [letter] Lewis HM, et al. J Pediatr 1981 Mar;98(3):511–2

A new candidate type of human enterovirus (Drilon strain) isolated in the Philippines. Nakao JC, et al. Microbiol Immunol 1981;25(2):163–71

Anaerobic lower respiratory tract infections. Bartlett JG. Scand J Infect Dis [Suppl] 1981;26:118–22

[Bacterial counts in sputum. The value and interpretation in lower respiratory tract infections (author's transl)] Chaste A, et al. Rev Fr Mal Respir 1980;8(5):393–402 (Fre)

[Microbial origin and treatment of bronchopulmonary superinfections in miners with anthracosilicosis. Results of 238 transtracheal punctures] Ninane G, et al. Rev Med Liege 1981 Jul 1–15;36(13–14):563–9 (Fre)

[Aetiology and importance of viral diseases of the respiratory tract (author's transl)] Schmidt J, et al. Z Erkr Atmungsorgane 1980;154(1):4–17 (Eng. Abstr.) (Ger)

[Virological diagnostics of acute respiratory diseases] Schmidt J, et al. Z Erkr Atmungsorgane 1980;154(1):18–35 (Eng. Abstr.) (Ger)

[Bacterial resistance in the infections from gram–negative bacilli in a long–term hospital (author's transl)] Barbieri R, et al. Quad Sclavo Diagn 1979 Jun;15 Suppl 1:691–9 (Eng. Abstr.) (Ita)

[Recent topics of respiratory infection. 1. On the aspect of bacteriology (author's transl)] Matsumoto K. Nippon Naika Gakkai Zasshi 1980 Jun 6;69(6):646–51 (Jpn)

[Characteristics of Klebsiella isolated from patients with respiratory tract infections] Przondo–Hessek A, et al. Med Dosw Mikrobiol 1980;32(1):31–8 (Eng. Abstr.) (Pol)

[Apparatus for collecting secretions from the upper respiratory tracts in children] Shilko VI, et al. Lab Delo 1981;(7):445–6 (Rus)

[Diagnostic value of germ counts in the sputum] Lloret Caballeria AM, et al. Rev Clin Esp 1981 Feb 15; 160(3):187–9 (Spa)

[Host–micro–organism interaction in otorhinolaryngology. Symposium] Ekedahl C, et al. Lakartidningen 1981 Jan 14; 78(3):125–30 (Swe)

OCCURRENCE

Serologic evidence for parainfluenzavirus infection during isolation at South Pole Station, Antarctica. Parkinson AJ,

et al. **Am J Epidemiol** 1980 Sep;112(3):334–40

Nosocomial viral respiratory infections: perennial weeds on pediatric wards. Hall CB. **Am J Med** 1981 Mar;70(3):670–6

A two year prospective study of hospital-acquired respiratory virus infection on paediatric wards. Sims DG. **J Hyg (Lond)** 1981 Jun;86(3):335–42

Ascorbic acid, dietary restriction and upper respiratory tract infection [letter] Holborow PL. **Med J Aust** 1980 May 17; 1(10):502

Acute respiratory disease, Fort Gordon, Georgia (1978–1979). Haburchak D, et al. **Milit Med** 1981 Mar; 146(3):194–8

Seasonal occurrence of viruses in the Milwaukee area: 1971–80. Sedmak GV, et al. **Wis Med J** 1981 Feb;80(2):31–5

[Respiratory system diseases among the rural population] Vlaev R. **Vutr Boles** 1980;19(5):43–8 (Eng. Abstr.) **(Bul)**

[Cough and wheezing in developing countries: the Middle-East and Oceania] Miller DL.
Bull Int Union Tuberc 1980 Mar–Jun;55(1–2):34–40 **(Fre)**

[Virological studies in respiratory diseases observed in Sassari between November 1978 and March 1979] Andreoni G, et al. **Ann Sclavo** 1980 Sep–Oct;22(5):824–30 **(Ita)**

[Respiratory infection epidemic during the winter of 1979 in Umbria] Pauluzzi S, et al. **Boll Ist Sieroter Milan** 1979 Sep 30;58(4):356–60 **(Ita)**

[Clinical and statistical notes on acute respiratory infections in children in the years of 1976–79] Bini E, et al.
Minerva Pediatr 1980 Nov 30;32(22):1293–1300 (Eng. Abstr.) **(Ita)**

[Risk factors relating to the appearance of acute respiratory infections in children (author's transl)] Svel I, et al.
Plucne Bolesti Tuberk 1980 Jul–Sep;32(3):107–14 (Eng. Abstr.) **(Scr)**

[Streptococcal epidemic in a day care center in Luleå] Gran B. **Lakartidningen** 1980 Oct 29;77(44):4018–20 (Eng. Abstr.) **(Swe)**

PATHOLOGY

Injury of respiratory epithelium. Collier AM.
Environ Health Perspect 1980 Apr;35:83–8

Heterogeneity of ciliary morphology in the immotile-cilia syndrome in man. Schneeberger EE, et al.
J Ultrastruct Res 1980 Oct;73(1):34–43

[Morphological characteristics of acute perinatal respiratory viral infections] Chistiakova MB. **Arkh Patol** 1981; 43(3):66–71 (Eng. Abstr.) **(Rus)**

[Pathological anatomy of acute respiratory diseases and their significance in pediatric lethality] Maksimovich NA, et al. **Arkh Patol** 1980;42(7):20–4 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Correlation of effects of inhaled versus intratracheally injected males on susceptibility to respiratory infection in mice. Hatch GE, et al. **Am Rev Respir Dis** 1981 Aug; 124(2):167–73

Persistent wheeze. Its relation to respiratory illness, cigarette smoking, and level of pulmonary function in a population sample of children. Weiss ST, et al.
Am Rev Respir Dis 1980 Nov;122(5):697–707

Interaction between environmental pollutants and respiratory infections. Ehrlich R. **Environ Health Perspect** 1980 Apr; 35:89–100

Effects of a viral laryngotracheitis on the epithelial barrier of chicken airways. Richardson JB, et al. **Lab Invest** 1981 Feb;44(2):144–50

PREVENTION & CONTROL

Immunisation with a polyvalent pneumococcal vaccine. Effect of respiratory mortality in children living in the New Guinea highlands. Riley ID, et al. **Arch Dis Child** 1981 May;56(5):354–7

Reduction of postoperative chest infection by prophylactic cotrimoxazole [letter] McCollum CN. **Br J Surg** 1981 Jan; 68(1):67

The reduction of postoperative chest infection by prophylactic co-trimoxazole. Morran C, et al.
Br J Surg 1980 Jul;67(7):464–6

The control of acute respiratory infections [editorial] Douglas RM. **Med J Aust** 1980 Dec 13;2(12):650–1

Upper and lower respiratory tract infections. Nursing intervention. Shell G. **Nurs Clin North Am** 1980 Dec; 15(4):715–27

[Prophylaxis and treatment of respiratory tract infection in ventilated patients by endotracheal administration of aminoglycosides (author's transl)] Vogel F, et al.
Dtsch Med Wochenschr 1981 Jul 10;106(28):898–903 (Eng. Abstr.) **(Ger)**

[Prevention and therapy of chronic respiratory tract infections with reference to selective IgA deficiency, with a contribution to paramunity (long term study in general practice)] Camerer W. **ZFA (Stuttgart)** 1980 May 31; 56(15):1049–57 **(Ger)**

[Effect of ADT vaccine on children's nonspecific resistance to influenza and acute respiratory diseases when administered at different times before an outbreak of influenza] Gorshunova LP, et al.
Zh Mikrobiol Epidemiol Immunobiol 1980 Mar;(3):93–6 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

[Radiological aspects of viral respiratory diseases in adults] Fava C. **Minerva Med** 1980 Dec 8;71(49):3627–32 (Eng. Abstr.) **(Ita)**

[Radiological aspects of viral respiratory diseases in childhood] Randaccio M. **Minerva Med** 1980 Dec 8; 71(49):3617–26 (Eng. Abstr.) **(Ita)**

[Radiological aspects of viral respiratory diseases] Randaccio M, et al. **Minerva Med** 1980 Dec 8;71(49):3611–6 (Eng. Abstr.) **(Ita)**

THERAPY

An efficient strategy for managing acute respiratory illness in adults. Wood RW, et al. **Ann Intern Med** 1980 Nov; 93(5):757–63

ABC of 1 to 7. Respiratory tract infection. Valman HB.
Br Med J [Clin Res] 1981 Jul 4;283(6283):38–9

Approaches to the control of respiratory virus diseases. Tyrrell DA. **Bull WHO** 1980;58(4):513–8

The therapeutic efficacy of human immunoglobulins as a function of their in vitro antibody activity toward circulating antigens in children with recurrent infections of the upper respiratory tract. Delire M, et al.
J Clin Lab Immunol 1980 Nov;4(3):159–63

Lantigen oral bacterial antigen in an industrial population. Meichen FW, et al. **Practitioner** 1981 Feb;225(1352):225–7

[Clinical features and therapy of acute respiratory diseases in children (author's transl)] Fröhlich V, et al.
Z Erkr Atmungsorgane 1980;154(1):36–47 (Eng. Abstr.) **(Ger)**

[Respiratory tract infections in children. Non-essentials and essentials in the treatment of respiratory tract infections in children] Helwig H. **ZFA (Stuttgart)** 1980 Nov 20; 56(32):2179–84 **(Ger)**

[Controlled trial of a polyvalent antibacterial vaccine in children with recurrent respiratory infections] Milano C, et al. **Minerva Pediatr** 1980 May 15;32(9):641–6 (Eng. Abstr.) **(Ita)**

TRANSMISSION

Modes of transmission of respiratory syncytial virus. Hall CB, et al. **J Pediatr** 1981 Jul;99(1):100–3

The group A streptococcal upper respiratory tract carrier state: an enigma. Kaplan EL. **J Pediatr** 1980 Sep; 97(3):337–45

[Determination of the pathways of infection transmission in artificial pulmonary ventilation] Vartazarian DV, et al.
Anesteziol Reanimatol 1980 Sep–Oct;(5):52–4 (Eng. Abstr.) **(Rus)**

VETERINARY

Feline respiratory tract disease in Louisiana. Bech-Nielsen S, et al. **Am J Vet Res** 1980 Aug;41(8):1293–8

Treatment of Klebsiella pneumoniae respiratory tract infection of squirrel monkeys with aerosol administration of kanamycin. Berendt RF, et al. **Am J Vet Res** 1980 Sep; 41(9):1492–4

Identification and characterization of a bovine rhinovirus isolated from Iowa cattle with acute respiratory tract disease. Lupton HW, et al. **Am J Vet Res** 1980 Jul; 41(7):1029–34

Chemotherapeutic effect of 2-deoxy-D-glucose against respiratory syncytial viral infection in calves. Mohanty SB, et al. **Am J Vet Res** 1981 Feb;42(2):336–8

Feline respiratory virus carriers in clinically healthy cats. Ellis TM. **Aust Vet J** 1981 Mar;57(3):115–8

Immunization against turkey coryza by colonization with mutants of Alcaligenes faecalis. Burke DS, et al.
Avian Dis 1980 Jul–Sep;24(3):726–33

A new viral respiratory infection in parakeets. Helfer DH, et al. **Avian Dis** 1980 Jul–Sep;24(3):781–3

Field studies with convalescent serum and infectious bursal disease vaccine to control turkey coryza. Johnson DC, et al. **Avian Dis** 1980 Apr–Jun;24(2):386–92

Respiratory cryptosporidiosis in a peacock chick. Mason RW, et al. **Avian Dis** 1980 Jul–Sep;24(3):771–6

Turkey airsacculitis: effect of mixed mycoplasmal infections. Rhoades KR. **Avian Dis** 1981 Jan–Mar;25(1):131–5

Altered immune function in turkey poults infected with Alcaligenes faecalis, the etiologic agent of turkey rhinotracheitis (coryza). Simmons DG, et al. **Avian Dis** 1980 Jul–Sep;24(3):702–14

Negative findings concerning Alcaligenes faecalis as an etiologic agent in acute respiratory disease of turkeys. Singer N, et al. **Avian Dis** 1981 Apr–Jun;25(2):245–53

The interaction of Haemophilus parahaemolyticus and Pasteurella multocida in the respiratory tract of the pig. Little TW, et al. **Br Vet J** 1980 Jul–Aug;136(4):371–83

Experimental infection of calves with bovine respiratory syncytial virus (Quebec strain). Elazhary MA, et al.
Can J Comp Med 1980 Oct;44(4):390–5

A perspective on respiratory disease in feedlot cattle. Thomson RG. **Can Vet J** 1980 Jun;21(6):181–5

A survey of virus infections of the respiratory tract of cattle and their association with disease. Stott EJ, et al.
J Hyg (Lond) 1980 Oct;85(2):257–70

A longitudinal serological survey of respiratory virus infections in lambs. Davies DH, et al. **NZ Vet J** 1980 Jul; 28(7):125–7

Serological relationship between abortifacient and respiratory strains of equine herpesvirus type 1 in New Zealand. Horner GW. **NZ Vet J** 1981 Jan–Feb;29(1–2):7–8

A vaccination technique to break the transmission cycle of chronic respiratory disease in breeding catteries [letter] Pickering JG. **NZ Vet J** 1981 Apr;29(4):63–4

Bacterial coryza in turkeys in Texas. Panigrahy B, et al.
Poult Sci 1981 Jan;60(1):107–13

Immunity to Mycoplasma bovis infections of the respiratory tract of calves. Howard CJ, et al. **Res Vet Sci** 1980 Mar; 28(2):242–9

Epidemiological studies of calf respiratory disease in a large commercial veal unit. Miller WM, et al. **Res Vet Sci** 1980 May;28(3):267–74

Observations on a respiratory disease outbreak in weaned suckled calves. Andrews AH, et al. **Vet Rec** 1981 Feb 14; 108(7):139–42

Respiratory acariasis in caged canaries (Serinus canaria). Bygrave AC. **Vet Rec** 1980 Oct 4;107(14):331

Respiratory disease in pigeons [letter] Sinclair DV.
Vet Rec 1980 May 31;106(22):466–7 (0 ref.)

The possible role of respiratory syncytial virus and Pasteurella spp in calf respiratory disease. Thomas LH, et al. **Vet Rec** 1980 Sep 27;107(13):304–7

An outbreak of Bordetella bronchiseptica respiratory disease in foals. Koehne GW, et al. **VM SAC** 1981 Apr;76(4):507–8

Feline upper respiratory disease: a review. Palmer GH.
VM SAC 1980 Oct;75(10):1556–8

Passive immunization of foals to prevent respiratory disease caused by equine herpesvirus type 2. Belák S, et al.
Zentralbl Veterinaermed [B] 1980;27(9–10):826–30

[Age-related dynamics of adenovirus antibodies in calves] Sizov I. **Vet Med Nauki** 1980;17(4):30–7 (Eng. Abstr.) **(Bul)**

[Combined prevention of viral infections in cattle] Tsvetkov P, et al. **Vet Med Nauki** 1980;17(8):46–51 (Eng. Abstr.) **(Bul)**

[Feline rhinotracheitis in stray cats; to vaccinate or not to vaccinate?] van Zuylen AL.
Tijdschrift Voor Diergeneeskd 1981 Jul 1;106(13):678–81 (Eng. Abstr.) **(Dut)**

[Investigations of the aetiology of respiratory symptoms in broilers (author's transl)] Kaleta EF, et al. **DTW** 1981 Feb 5;88(2):45–9 (Eng. Abstr.) **(Ger)**

RESPIRATORY TRACT NEOPLASMS

CHEMICALLY INDUCED

Autoradiographic study of the distribution of bound radioactivity in the respiratory tract of Syrian hamsters given N-[3H]nitrosodiethylamine. Reznik-Schüller HM, et al. **Cancer Res** 1981 Jun;41(6):2147–50

Inhalation carcinogenicity of epichlorohydrin in noninbred Sprague-Dawley rats. Laskin S, et al. **JNCI** 1980 Oct; 65(4):751–7

[Experimental carcinogenesis with benzopyrene and avitaminosis A in the rat respiratory tree during growth] Mencacci P, et al. **Ann Laringol Otol Rinol Faringol** 1978 May–Jun;76(3):187–238 (Eng. Abstr.) **(Ita)**

[Occupational cancer of the lungs—cancer of the respiratory tract among workers manufacturing poisonous gases] Shigenobu T. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Dec;18(12):880–5 (Eng. Abstr.) **(Jpn)**

COMPLICATIONS

[Paraneoplastic osteoarticular syndromes in cancers of the respiratory tract] Maalej M, et al. **Tunis Med** 1981 Jan–Feb; 59(1):840–3 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Contribution to study of plasmocytomas of the upper respiratory tract. 3 cases (author's transl)] Natali R, et al.
Ann Otolaryngol Chir Cervicofac 1980 Oct–Nov; 97(10–11):889–96 (Eng. Abstr.) **(Fre)**

[The value of semiology for cancer of the upper respiratory and digestive tracts (author's transl)] Gaulis F, et al.
Ther Umsch 1980 Dec;37(12):1092–4 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

[Results of chemotherapy in 366 cases of cancers of the upper respiratory and digestive tracts] Meeus-Bith L, et al.
Rev Laryngol Otol Rhinol (Bord) 1980 May–Jun; 101(5–6):229–33 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Host and environmental factors enhancing carcinogenesis in the respiratory tract. Nettesheim P, et al.
Annu Rev Pharmacol Toxicol 1981;21:133–63 (117 ref.)

Combined carcinogenic action of chrysotile asbestos dust and N-nitrosodiethylamine on the respiratory tract of Syrian golden hamsters. Küng-Vösamäe A, et al.
IARC Sci Publ 1980;1(30):305–10

IMMUNOLOGY

Immunosuppression and the development of malignancies of the upper airway and related structures. Harris JP, et al.
Laryngoscope 1981 Apr;91(4):520–8

MORTALITY

Death rates from cancer of the respiratory and oral tracts

in different countries, in relation to the types of tobacco smoked. Elson LA, et al. **Eur J Cancer** 1981 Jan; 17(1):109–13

Lung cancer risk associated with manufacture of asbestos–cement products. Hughes J, et al. **IARC Sci Publ** 1980;2(30):627–35

OCCURRENCE

Second primary respiratory tract malignant neoplasms in supraglottic carcinoma. Wagenfeld DJ, et al. **Arch Otolaryngol** 1981 Mar;107(3):135–7

Second primary respiratory tract malignancies in glottic carcinoma. Wagenfeld DJ, et al. **Cancer** 1980 Oct 15; 46(8):1883–6

The incidence of pneumoconiosis, mesothelioma and other respiratory cancer in men engaged in mining and milling crocidolite in Western Australia. Hobbs MS, et al. **IARC Sci Publ** 1980;2(30):615–25

PATHOLOGY

Cytopathology, including transmission and scanning electron microscopy, of pleomorphic liposarcomas in pleural fluids. Geisinger KR, et al. **Acta Cytol (Baltimore)** 1980 Sep–Oct; 24(5):435–41

The respiratory epithelium. VIII. Interpretation of cytologic criteria for human and hamster respiratory tract tumors. Hess FG Jr, et al. **Acta Cytol (Baltimore)** 1981 Mar–Apr; 25(2):111–34

Sputum cytologic diagnosis of upper respiratory tract cancer. Second report. Neel HB 3d, et al. **Ann Otol Rhinol Laryngol** 1981 Jul–Aug;90(4 Pt 1):312–5

A method for rapid scoring of respiratory tumors in hamsters. Dalbey WE. **Cancer Lett** 1980 Jan;8(3):217–20

Discriminant analysis on cells from developing squamous cancer of the respiratory tract. Wied GL, et al. **Cell Biophys** 1979 MAR;1(1):39–54

[Carcinoid tumors, adenoid–cystic carcinomas and muco–epidermoid carcinomas of the tracheo–bronchial tree (author's transl)] Tombeur JP, et al. **Acta Chir Belg** 1980 Nov–Dec;79(6):405–14 (Eng. Abstr.) **(Dut)**

[Labelling index in breast cancer and in upper respiratory and digestive tract cancer (author's transl)] Gioanni J, et al. **Bull Cancer (Paris)** 1979;66(5):479–84 (Eng. Abstr.) **(Fre)**

SURGERY

Surgical management of malignant tumors of the aerodigestive tract with carbon dioxide laser microsurgery. Jako GJ, et al. **Int Adv Surg Oncol** 1978;1:265–84

THERAPY

[Combination of radiotherapy and chemotherapy in the treatment of upper respiratory and digestive tract carcinomas (author's transl)] Cachin Y, et al. **Bull Cancer (Paris)** 1981;68(2):158–62 (Eng. Abstr.) **(Fre)**

RESPONSE INTERFERENCE see under **COGNITION DISORDERS**

RESPONSE LATENCY see **REACTION TIME**

RESPONSE TIME see **REACTION TIME**

RESPONSIBILITY, SOCIAL see **SOCIAL RESPONSIBILITY**

REST

see related
BED REST

Thallium–201 peripheral perfusion scans: feasibility of single–dose, single–day, rest and stress study. Siegel ME, et al. **AJR** 1981 Jun;136(6):1179–83

Coronary sinus blood flow at rest and during isometric exercise in patients with aortic valve disease. Mechanism of angina pectoris in presence of normal coronary arteries. Bertrand ME, et al. **Am J Cardiol** 1981 Feb;47(2):199–205

Normal left ventricular emptying in coronary artery disease at rest: analysis by radiographic and equilibrium radionuclide ventriculography. Denenberg BS, et al. **Am J Cardiol** 1981 Aug;48(2):311–5

Hemodynamic effects of molsidomine at rest and during submaximal and maximal exercise in patients with coronary artery disease limited by exertional angina pectoris. Detry JM, et al. **Am J Cardiol** 1981 Jan;47(1):109–15

Lack of correlation between exercise capacity and indexes of resting left ventricular performance in heart failure. Franciosa JA, et al. **Am J Cardiol** 1981 Jan;47(1):33–9

Effect of verapamil and nifedipine on left ventricular function at rest and during exercise in patients with Prinzmetal's variant angina pectoris. Johnson SM, et al. **Am J Cardiol** 1981 Jun;47(6):1289–94

Cardiac function during rest and exercise in patients with mitral valve prolapse. Role of radionuclear angiocardiography. Newman GE, et al. **Am J Cardiol** 1981 Jan;47(1):14–9

Hemodynamics at rest and during exercise after oral hydralazine in patients with cor pulmonale. Rubin LJ, et al. **Am J Cardiol** 1981 Jan;47(1):116–22

Peak systolic blood pressure/end–systolic volume ratio: assessment at rest and during exercise in normal subjects and patients with coronary heart disease. Slutsky R, et al. **Am J Cardiol** 1980 Nov;46(5):813–20

Analysis of exercise–induced changes in R wave amplitude in asymptomatic men with electrocardiographic ST–T changes at rest. Yiannikas J, et al. **Am J Cardiol** 1981 Feb; 47(2):238–43

Lack of sensitivity of measurements of Vd/Vt at rest and during exercise in detection of hemodynamically significant pulmonary vascular abnormalities in collagen vascular disease. Mohsenifar Z, et al. **Am Rev Respir Dis** 1981 May; 123(5):508–12

The regularity and interrelation of respiratory and cardiac rhythms at rest and during exercise. Duffin J, et al. **Can J Physiol Pharmacol** 1981 Jan;59(1):84–7

The blood flow through the 'resting' arm during hand–grip contractions. Lind AR, et al. **Circ Res** 1981 Jun;48(6 Pt 2):I104–9

Left ventricular diastolic performance at rest and during exercise in patients with coronary artery disease. Assessment with first–pass radionuclide angiography. Reduto LA, et al. **Circulation** 1981 Jun;63(6):1228–37

Continuous observation of EEG patterns at night and daytime of normal subjects under restrained conditions. I. Quiescent state when lying down. Nakagawa Y. **Electroencephalogr Clin Neurophysiol** 1980 Sep; 49(5–6):524–37

Ventilation and pulmonary gas exchange at rest and during exercise in boys with bronchial asthma. Graff–Lonnevig V, et al. **Eur J Respir Dis** 1980 Dec;61(6):357–66

Time budget of Tana river red colobus. Marsh CW. **Folia Primatol (Basel)** 1981;35(1):30–50

Thermal effects of injecting norepinephrine into hypothalamus of the rat during rest and exercise. Gisolfi CV, et al. **J Appl Physiol** 1980 Dec;49(6):937–41

Hypoxia effects on plasma volume shifts at rest, work, and recovery in supine posture. Miles DS, et al. **J Appl Physiol** 1981 Jul;51(1):148–53

Age–related changes of cardiac control function in man. With special reference to heart rate control at rest and during exercise. Sato I, et al. **J Gerontol** 1981 Sep;36(5):564–72

Low–back pain among electric power supply workers and their attitude toward its prevention and the treatment. Nagira T, et al. **J Hum Ergol (Tokyo)** 1979 Dec;8(2):125–33

The effects of cold–stress. Hibernation, and prolonged inactivity on bone dynamics in the golden hamster, Mesocricetus auratus. Steinberg B, et al. **J Morphol** 1981 Jan;167(1):43–51

Acute effects of cigarette smoking on left ventricular function at rest and exercise. Behr MJ, et al. **Med Sci Sports Exerc** 1981;13(1):9–12

Cardiac output measured by acetylene rebreathing technique at rest and during exercise. Comparison of results obtained by various calculation procedures. Kanstrup IL, et al. **Pfluegers Arch** 1981 May;390(2):179–85

Stomach mucosal lesions in stressed rats with and without post–stress rest. McCutcheon NB, et al. **Physiol Behav** 1981 Apr;26(4):681–6

[Respective sensitivity and specificity of 201 Tl myocardial scintigraphy during effort, after injection of dipyridamole and at rest. Comparison in 70 patients who had undergone coronary radiography] Machecourt J, et al. **Arch Mal Coeur** 1981 Feb;74(2):147–56 (Eng. Abstr.) **(Fre)**

[Effect of the duration of rest on the local muscular endurance in repeated isometric hand closure contractions] Khemici R, et al. **Z Gesamte Hyg** 1980;26(8):573–6 (Eng. Abstr.) **(Ger)**

[Effect of supplementary mental activity and breaks on the heart rate in physical work] Quaas M, et al. **Z Gesamte Hyg** 1981;27(1):27–30 (Eng. Abstr.) **(Ger)**

[Rate of dispersal of bacteria in air from man in rest state (author's transl)] Terayama K, et al. **Hokkaido Igaku Zasshi** 1980 Jul;55(4):367–70 **(Jpn)**

[Health needs of the population of Sverdlovsk for suburban short–term rest and recreation] Markosian TM, et al. **Gig Sanit** 1980 Sep;(9):44–7 **(Rus)**

[Dynamic pause in the schedule of students in the 1st grade] Molchanova NM, et al. **Gig Sanit** 1980 Jun;(6):85–6 **(Rus)**

[Complex physiological and hygienic characteristics of a new work and rest regimen for ship's personnel] Sten'ko IuM, et al. **Gig Sanit** 1981 Jan;(1):27–9 (Eng. Abstr.) **(Rus)**

[Characteristics of the physiological basis for the work and rest regimens of equipment operators engaged in continuous operations in ferrous metallurgy] Chukmasova GT, et al. **Gig Tr Prof Zabol** 1981 Apr;(4):4–7 (Eng. Abstr.) **(Rus)**

[ECG study of diabetes mellitus patients at rest, in an orthostatic posture and under physical load] Glezer MG, et al. **Kardiologiia** 1980 Nov;20(11):73–5 (Eng. Abstr.) **(Rus)**

[Effect of postcruise rest on the cardiovascular system of sailors] Podovinnikov GM. **Voen Med Zh** 1980 Sep;(9):57–8 **(Rus)**

[Perinatal implications of work and rest in pregnancy (author's transl)] Rodríguez–Escudero F, et al. **An Esp Pediatr** 1980 Jun;13(6):465–76 (Eng. Abstr.) **(Spa)**

RESTAURANTS

Hospital opts for 'greenhouse' atmosphere in staff dining area. Green DE. **Hospitals** 1981 Feb 16;55(4):137–8

Redesign of employee cafeteria increases efficiency, satisfaction. Snook ID Jr, et al. **Hospitals** 1980 Dec 1; 54(23):73–4

Teaching the handicapped to eat in public places: acquisition, generalization and maintenance of restaurant skills. van den Pol RA, et al. **J Appl Behav Anal** 1981 Spring;14(1):61–9

'Feeding the motorist'. Self GS. **R Soc Health J** 1980 Aug; 100(4):149–53

[Prevalence of hepatitis virus infections in restaurant workers in Taipei (author's transl)] Lu CF, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1980 Jun;13(2):167–73 (Eng. Abstr.) **(Chi)**

[Noise sources in newly–built restaurants] Lehmann U. **Z Gesamte Hyg** 1980;26(9):673–4 (Eng. Abstr.) **(Ger)**

RESTING PHASE see **INTERPHASE**

RESTING POTENTIALS see **MEMBRANE POTENTIALS**

RESTLESS LEGS

['Restless legs': symptom, disease or syndrome? Personal considerations on the etiopathogenesis, clinical aspects and therapeutic possibilities] Raso AM, et al. **Angiologia** 1981 May–Jun;33(3):144–51 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Successful treatment of restless legs with clonazepam [letter] Boghen D. **Ann Neurol** 1980 Sep;8(3):341

ETIOLOGY

[The restless leg syndrome. Description of a case and pathogenetic theory] Dell'Aria V, et al. **Acta Neurol [Quad] (Napoli)** 1979;39:141–3 **(Ita)**

THERAPY

[Casuistic contribution to the Ekbom–syndrome (author's transl)] Rüdiger E. **Wien Med Wochenschr** 1980 Sep 15; 130(17):563–5 (Eng. Abstr.) **(Ger)**

RESTLESSNESS see **PSYCHOMOTOR AGITATION**

RESTRAINT, PHYSICAL

see related
IMMOBILIZATION
PROTECTIVE DEVICES

Morphometric ultrastructural evaluation of muscle fibres in pigeons forced to fly after a long period of hypodynamia. Barańska W, et al. **Acta Med Pol** 1980;21(4):289–90

Stereological studies of muscle mitochondria of mice subjected to hypokinesis. Cieciura L, et al. **Acta Med Pol** 1980;21(4):307–8

Application of contingent physical restraint to suppress stereotyped body rocking of profoundly mentally retarded persons. Reid JG, et al. **Am J Ment Defic** 1981 Jul; 86(1):78–85

Legal restraints on restraint. Shindul JA, et al. **Am J Nurs** 1981 Feb;81(2):393–4

Evaluation of the Rhode Island child restraint law. Williams AF, et al. **Am J Public Health** 1981 Jul;71(7):742–3

Modes of adaptation of peripheral neuroendocrine mechanisms of the sympatho–adrenal system to short–term stress as studied in two inbred rat strains. Gilad GM, et al. **Brain Res** 1981 Feb 9;206(1):83–93

The effect of immobilization on the types of collagen synthesized in periarticular connective tissue. Amiel D, et al. **Connect Tissue Res** 1980;8(1):27–32

Hypersensitivity of spontaneously hypertensive rats (SHR) to heat, ether, and immobilization. McMurtry JP, et al. **Endocrinology** 1981 May;108(5):1730–6

Gastrointestinal response in rats to vibration and restraint. Toraason MA, et al. **Environ Res** 1980 Dec;23(2):341–7

Anticonvulsant effects of restraint and pyridoxine on hydrazine seizures in the monkey. Sterman MB, et al. **Exp Neurol** 1979 Jul;65(1):78–86

Parental control of nocturnal thumbsucking. Lewis M, et al. **J Behav Ther Exp Psychiatry** 1981 Mar;12(1):87–90

Metabolic and cardiovascular changes during physical restrains in rats. Nagasaka T, et al. **Jpn J Physiol** 1980; 30(5):799–803

The effects of predictable and unpredictable schedules of physical restraint upon rats. Quirce CM, et al. **Life Sci** 1981 Apr 27;28(17):1897–902

Sympatho–adrenal activity of SHR and WKY rats during recovery from forced immobilization. McCarty R, et al. **Physiol Behav** 1978 DEC;21(6):951–5

The digestive tract after 7 days of restraining conditions in normal and adrenalectomized rats. Groza P, et al. **Physiologie** 1980 Oct–Dec;17(4):257–9

Digestive tract of rats after hypokinesia and hypergravitation. Groza P, et al. **Physiologie** 1980 Oct–Dec;17(4):261–3

Tonic immobility produces hyperalgesia and antagonizes morphine analgesia. Mauk MD, et al. **Science** 1981 Jul 17; 213(4505):353–4

[Human motor activity during its artificial restriction] Panferova NE, et al. **Kosm Biol Aviakosm Med** 1980

Nov-Dec;14(6):32-5 (Eng. Abstr.) **(Rus)**
[Rat adrenal corticosteroid concentration during hypokinesia combined with measured physical exertion] Zagorskaia EA. **Kosm Biol Aviakosm Med** 1980 Nov-Dec;14(6):41-4 (Eng. Abstr.) **(Rus)**
[Circadian rhythm of hormonal activity of Macaca mulatta adrenal glands in hypokinesia] Tavadian DS, et al. **Probl Endokrinol (Mosk)** 1981 Jan-Feb;27(1):76-81 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Psychiatric patients and sudden death [letter] Wendkos M. **Am J Psychiatry** 1980 Dec;137(12):1627-8
Patient restraint and safety vests: minimizing the hazards. Katz L, et al. **Dimens Health Serv** 1981 May;58(5):10-1
[Changes in the wall of the rabbit vertebral artery following hypokinesia] Drozdova MM. **Arkh Anat Gistol Embriol** 1980 Apr;78(4):54-60 (Eng. Abstr.) **(Rus)**
[Structural shifts in motor neurons during hindlimb immobilization] Korneeva TE, et al. **Dokl Akad Nauk SSSR** 1981;258(1):247-9 **(Rus)**
[Morphologic changes in different types of muscles fibers in rats during protracted hypokinesia] Kurash S, et al. **Kosm Biol Aviakosm Med** 1980 Nov-Dec;14(6):35-41 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

Modification of rabbit head holder to facilitate stereotaxic brain surgery. Girgis M. **Brain Res Bull** 1980 Nov-Dec; 5(6):769-70
Head fixation device for reproducible position alignment in transmission CT and positron emission tomography. Bergström M, et al. **J Comput Assist Tomogr** 1981 Feb; 5(1):136-41
A simple device to immobilize mice for infection with Schistosoma mansoni cercariae. Tendler M, et al. **J Parasitol** 1981 Aug;67(4):583-4
A simple and adjustable restraining apparatus for mice. Amir S, et al. **Physiol Behav** 1981 Feb;26(2):335-6
Device for nonstressful restraining of rats and guinea pigs. Prazma J, et al. **Physiol Behav** 1980 Jul;25(1):155-6
Veterinarians and trapping. Cottrell WO. **VM SAC** 1981 Jan; 76(1):36-8
[Means of restricting the movements of conscious rats in neurophysiologic experiments] Girman SV. **Zh Vyssh Nerv Deiat** 1980 Sep-Oct;30(5):1087-9 **(Rus)**

METHODS

Physical restraint as positive reinforcement. Favell JE, et al. **Am J Ment Defic** 1981 Jan;85(4):425-32
A method of head restraint in unanesthetized cats by using frontal sinus. Hamada T. **Behav Brain Res** 1981 Mar; 2(2):229-30
Swaddling, cradleboards and the development of children. Chisholm JS. **Early Hum Dev** 1978 Sep;2(3):255-75
The disruptive patient or visitor. Perry SW 3d, et al. **JAMA** 1981 Feb 20;245(7):755-7
Studies on the difference in the biological activities induced by pyrogen in rabbits restrained by two different methods. Nishio A, et al. **Jpn J Pharmacol** 1980 Aug;30(4):568-70
[Method for the clinostatic hypokinesia of monkeys] Urmancheeva TG, et al. **Kosm Biol Aviakosm Med** 1980 Sep-Oct;14(5):82-4 **(Rus)**

PSYCHOLOGY

Nurses' reactions to restraining patients. DiFabio S. **Am J Nurs** 1981 May;81(5):973-5

UTILIZATION

Use of automobile restraining devices for infants. Ford AH. **Nurs Res** 1980 Sep-Oct;29(5):281-4

VETERINARY

Effect of intraventricular serotonin on the plasma cortisol response to restraint stress in unanesthetized sheep. Frey MJ, et al. **J Anim Sci** 1980 Aug;51(2):380-5
A new crush-cage with rotating squeeze-back for restraining large primates. Baker BA, et al. **Lab Anim** 1980 Apr; 14(2):113-5
A multipurpose transfer cage for baboons. Bennett BT, et al. **Lab Anim Sci** 1980 Dec;30(6):1022-3
Vest and tethering system to accommodate catheters and a temperature monitor for nonhuman primates. Bryant JM. **Lab Anim Sci** 1980 Aug;30(4 Pt 1):706-8
A minimal injury restraining device for swine. Carter RA, et al. **Lab Anim Sci** 1980 Aug;30(4 Pt 1):716-8
A simple, inexpensive restraining shield for laboratory rodents. Koenig SL, et al. **Lab Anim Sci** 1981 Feb; 31(1):83-4
A new technique for restraint of mice. Liebenberg SP, et al. **Lab Anim Sci** 1980 Oct;30(5):905-6
Rat restrainer for separation and collection of urine and feces. Roerig DL, et al. **Lab Anim Sci** 1980 Jun;30(3):549-51
Device for capture and restraint of nonhuman primates. Smith EO. **Lab Anim Sci** 1981 Jun;31(3):305-6
Good cattle-restraining good equipment is essential. Grandin T. **VM SAC** 1980 Aug;75(8):1291-6

RESTRICTION ENDONUCLEASES see **DNA RESTRICTION ENZYMES**

RESUSCITATION

Cardio-respiratory emergency: synoptic table for immediate diagnosis and action. Lamy M, et al. **Acta Anaesthesiol Belg** 1980;31(4):285-7
Cerebral resuscitation. A review. Mullie A, et al. **Acta Anaesthesiol Belg** 1980;31(2):147-56 (12 ref.)
General pathological principles of organism vital functions restoration. Negovsky VA. **Agressologie** 1980;21(5):239-43
Cardiopulmonary resuscitation--an element of sophistication in the 18th century. Bartecchi CE. **Am Heart J** 1980 Oct; 100(4):580-1
Precordial thump and termination of cardiac reentrant tachyarrhythmias. Cotoi S. **Am Heart J** 1981 May; 101(5):675-7
Clinical assessment of heart chamber size and valve motion during cardiopulmonary resuscitation by two-dimensional echocardiography. Rich S, et al. **Am Heart J** 1981 Sep; 102(3 Pt 1):368-73
Electrophysiologic and hemodynamic studies in patients resuscitated from cardiac arrest. Josephson ME, et al. **Am J Cardiol** 1980 Dec 1;46(6):948-55
Neurologic outcome after emergency room thoracotomy for trauma. Baker CC, et al. **Am J Surg** 1980 May; 139(5):677-81
Role of emergency thoracotomy in the resuscitation of moribund trauma victims: 100 consecutive cases. Harnar TJ, et al. **Am J Surg** 1981 Jul;142(1):96-9
Comparison of the relative effectiveness of colloids and crystalloids in emergency resuscitation. Shoemaker WC, et al. **Am J Surg** 1981 Jul;142(1):73-84
Glomerulotubular sodium dynamics after supplemental albumin resuscitation. Lucas CE, et al. **Am Surg** 1981 May; 47(5):204-7
Cardiopulmonary resuscitation in a teaching hospital. A survey of cardiac arrests occurring outside intensive care units and emergency rooms. Scott RP. **Anaesthesia** 1981 May;36(5):526-30
New concepts in cardiopulmonary resuscitation. Donegan JH. **Anesth Analg (Cleve)** 1981 Feb;60(2):100-8 (73 ref.)
Pharmacokinetics of high-dose thiopental used in cerebral resuscitation. Stanski DR, et al. **Anesthesiology** 1980 Aug; 53(2):169-71
Lidocaine levels during CPR: differences after peripheral venous, central venous, and intracardiac injections. Barsan WG, et al. **Ann Emerg Med** 1981 Feb;10(2):73-8
Cardiopulmonary resuscitation: analysis of six years' experience and review of the literature. DeBard ML. **Ann Emerg Med** 1981 Aug;10(8):408-16
Resuscitation by paramedics [letter] Hunt RC, et al. **Ann Emerg Med** 1981 Jul;10(7):395-6
Peripheral vs central circulation times during CPR: a pilot study. Kuhn GJ, et al. **Ann Emerg Med** 1981 Aug; 10(8):417-9
Augmentation of systolic blood pressure during external cardiac compression by use of the MAST suit. Lilja GP, et al. **Ann Emerg Med** 1981 Apr;10(4):182-4
Criteria for cessation of CPR in the emergency department [editorial] Podgorny G. **Ann Emerg Med** 1981 Jan;10(1):65
Transthoracic pacing during CPR. Tintinalli JE, et al. **Ann Emerg Med** 1981 Feb;10(2):113-6
Endotracheal epinephrine in cardiorespiratory collapse [letter] Yakaitis RW. **Ann Emerg Med** 1980 Oct;9(10):542-3
Investigations in CPR training. Gass DA, et al. **Annu Conf Res Med Educ** 1980;(19):189-94
Physiology of cardiopulmonary resuscitation. Weisfeldt ML, et al. **Annu Rev Med** 1981;32:435-42 (23 ref.)
How to manage a cardiac arrest [letter] **Br J Hosp Med** 1981 Apr;25(4):421-2
A low volume burn resuscitation regimen: assessment of performance by probit analysis. Griffiths RW, et al. **Br J Surg** 1981 Apr;68(4):225-8
Symposium on trauma. 1. Resuscitation priorities and assessment of the patient with multiple injuries. Maxwell TM. **Can J Surg** 1980 Jul;23(4):338-9
Out-of-hospital resuscitation from cardiac arrest [letter] Webster AC. **Can Med Assoc J** 1980 Aug 9;123(3):174-6
Blood potassium measurements during CPR [letter] Powner DJ, et al. **Chest** 1981 Mar;79(3):371
Self-terminating torsades de pointes or Holter conversion? [letter] Zugibe FT Jr. **Chest** 1981 Aug;80(2):250
Mechanisms of blood flow during CPR [letter] Orlowski JP. **Circulation** 1980 Nov;62(5):1141
Visualization of cardiac valve motion in man during external chest compression using two-dimensional echocardiography. Implications regarding the mechanism of blood flow. Werner JA, et al. **Circulation** 1981 Jun; 63(6):1417-21
2nd Wolf Creek Conference on CPR. **Crit Care Med** 1981 May;9(5):357-435
Phenytoin for brain resuscitation after cardiac arrest: an uncontrolled clinical trial. Aldrete JA, et al. **Crit Care Med** 1981 Jun;9(6):474-7
Blood-brain barrier impairment after cardiac resuscitation. Arai T, et al. **Crit Care Med** 1981 Jun;9(6):444-8
Superiority of colloid over electrolyte solution for fluid resuscitation (severe normovolemic hemodilution). Brinkmeyer S, et al. **Crit Care Med** 1981 May;9(5):369-70
Optimization of carotid flow during CPR in arrested dogs. Chandra N, et al. **Crit Care Med** 1981 May;9(5):379
The heart is a conduit in CPR. Criley JM, et al. **Crit Care Med** 1981 May;9(5):373-4
Resuscitation and emergency cardiac care in the People's Republic of China. Dembo DH. **Crit Care Med** 1981 May; 9(5):405-6
Collaborative randomized clinical study of cardiopulmonary-cerebral resuscitation. Detre K, et al. **Crit Care Med** 1981 May;9(5):395-6
Drowning in man. Harries MG. **Crit Care Med** 1981 May; 9(5):407-8
Anaerobic myocardial metabolism during CPR. Hodgkin BC, et al. **Crit Care Med** 1981 May;9(5):415-6
The cardiopulmonary resuscitation record. Josephson GW. **Crit Care Med** 1980 Nov;8(11):675-6
Hemodynamic effects of inotropes during hypothermia and rapid rewarming. Nicodemus HF, et al. **Crit Care Med** 1981 Apr;9(4):325-8
Blood flow without cardiac compression during closed chest CPR. Niemann JT, et al. **Crit Care Med** 1981 May; 9(5):380-1
Mechanism of action of epinephrine in resuscitation from asphyxial arrest. Otto CW, et al. **Crit Care Med** 1981 May; 9(5):364-5
Comparison of dopamine, dobutamine, and epinephrine in CPR. Otto CW, et al. **Crit Care Med** 1981 May;9(5):366
Commentary on the proceedings; second Wolf Creek Conference on CPR. Redding JS. **Crit Care Med** 1981 May; 9(5):432-5
Calcium antagonist drugs--myocardial preservation and reduced vulnerability to ventricular fibrillation during CPR. Resnekov L. **Crit Care Med** 1981 May;9(5):360-1
Hyperthermic cardiac arrest in monkeys. Sassano J, et al. **Crit Care Med** 1981 May;9(5):409-10
Cardiac output during CPR: a comparison of two methods. Silver DI, et al. **Crit Care Med** 1981 May;9(5):419-20
Continuous transcutaneous oxygen monitoring during respiratory failure, cardiac decompensation, cardiac arrest, and CPR. Transcutaneous oxygen monitoring during arrest and CPR. Tremper KK, et al. **Crit Care Med** 1980 Jul; 8(7):377-81
Continuous CPR monitoring with transcutaneous oxygen and carbon dioxide sensors. Tremper KK, et al. **Crit Care Med** 1981 May;9(5):417-8
Retention of cardiopulmonary resuscitation skills after initial overtraining. Tweed WA, et al. **Crit Care Med** 1980 Nov; 8(11):651-3
Increased intrathoracic pressure--not direct heart compression--causes the rise in intrathoracic vascular pressures during CPR in dogs and pigs. Weisfeldt ML, et al. **Crit Care Med** 1981 May;9(5):377-8
Two-dimensional echocardiography during CPR in man: implications regarding the mechanism of blood flow. Werner JA, et al. **Crit Care Med** 1981 May;9(5):375-6
Cardiopulmonary resuscitation [letter] Hakki AH, et al. **Heart Lung** 1980 Nov-Dec;9(6):1101
Dynamics of brain resuscitation after ischemic anoxia. Safar P. **Hosp Pract** 1981 Feb;16(2):67-72
Radiotracer studies on molecular mechanisms of death and resuscitation. Nikulin VJ, et al. **Int J Appl Radiat Isot** 1980 Nov;31(11):707-11
DAU-TEAM auxiliaries as CPR instructors. McNeal DR, et al. **J Dent Educ** 1981 May;45(5):309-10
Help when needed: lay public confident of CPR skills. Anderson JM, et al. **J Kans Med Soc** 1980 Dec;81(12):572-3
Use of animals questioned [letter] Keith DA. **J Oral Surg** 1981 Mar;39(3):169
Transcutaneous oxygen monitoring in shock and resuscitation. Rowe MI, et al. **J Pediatr Surg** 1979 Dec; 14(6):773-8
The cardiac effect of altered calcium homeostasis after albumin resuscitation. Kovalik SG, et al. **J Trauma** 1981 Apr;21(4):275-9
The mathematics of resuscitation: 1980 Presidential Address, American Burn Association. Mason AD Jr. **J Trauma** 1980 Dec;20(12):1015-20
Intracardiac injections during resuscitation [letter] **JAMA** 1981 Jul 10;246(2):123-4
Venoarterial bypass in hypothermia [letter] Dorsey JS. **JAMA** 1980 Oct 24-31;244(17):1900
Neonatal resuscitation [letter] Ellis SC. **JAMA** 1981 Jan 16; 245(3):234
Intracardiac injections [letter] Harrison EE. **JAMA** 1981 Apr 3;245(13):1315
Atropine and cardiac arrest [letter] Jacobson S. **JAMA** 1981 Sep 4;246(10):1089-90
EEG monitoring during cardiac arrest and resuscitation. Moss J, et al. **JAMA** 1980 Dec 19;244(24):2750-1
Manikin tracheitis [letter] Nicklin G. **JAMA** 1980 Nov 7; 244(18):2046-7
Mandatory CPR in nursing school curricula. Stuart-Siddall S, et al. **JNE** 1981 Mar;20(3):45-8
Death from asthma [letter] **Med J Aust** 1981 Jan 24;1(2):89
Barbiturate protection for hypoxic brain damage [editorial] Brophy TO. **Med J Aust** 1980 Aug 9;2(3):114-5
'Preresuscition care' and the medical practitioner [letter] Feben GB. **Med J Aust** 1981 Feb 21;1(4):194
A B C of the management of cardiac arrest: 1. At the roadside. Sloman JG, et al. **Med J Aust** 1980 Oct 18; 2(8):416-7
A B C of the management of cardiac arrest: 2. in hospital. Sloman JG, et al. **Med J Aust** 1980 Nov 1;2(9):475-7
Cerebral support for near-drowned children in a temperate environment. Wegener FH, et al. **Med J Aust** 1980 Aug 9;2(3):135-7

Evaluation of CPR performance among medical students, residents, and attendings at Mount Sinai School of Medicine. Nelson M. **Mt Sinai J Med (NY)** 1981 Jan–Feb; 48(1):89–94

CPR training for physicians [letter] **N Engl J Med** 1980 Dec 25;303(26):1534–6

Long–term survival and neurologic status after resuscitation from out–of–hospital cardiac arrest. Earnest MP, et al. **Neurology (NY)** 1980 Dec;30(12):1298–1302

Neurologic prognosis after cardiopulmonary arrest: III. Seizure activity. Snyder BD, et al. **Neurology (NY)** 1980 Dec;30(12):1292–7

Dehydration therapy and hypotension in post–resuscitation cerebral oedema, and application of intra–ocular pressure measurement––a review of resuscitation work, part I. Hao–Hui C. **Resuscitation** 1980 Sep;8(3):195–209 (17 ref.)

Barbiturate resuscitation from focal cerebral ischemia––A review. Selman WR, et al. **Resuscitation** 1981 Jun; 9(2):189–96 (46 ref.)

Assessment of cerebral injury with spinal fluid creatine kinase (CSF–CK) in patients after cardiac resuscitation. Kjekshus JK, et al. **Scand J Clin Lab Invest** 1980 Sep;40(5):437–44

Profound hypothermia: value of prolonged cardiopulmonary resuscitation. Schissler P, et al. **South Med J** 1981 Apr; 74(4):474–7

An increasing role for surgeons in cardiac resuscitation [editorial] Stephenson HE Jr. **Surg Gynecol Obstet** 1981 Jun;152(6):822–3

Colloid or crystalloid in the resuscitation of hemorrhagic shock: a controlled clinical trial. Moss GS, et al. **Surgery** 1981 Apr;89(4):434–8

Withholding resuscitation: the physician's responsibility. Wilcox DP. **Tex Med** 1981 Aug;77(8):72–3

[Computer programme for monitoring the metabolic turnover of patients subjected to resuscitation and intensive care treatment (author's transl)] Kazda A, et al. **Cas Lek Cesk** 1981 Jun 11;120(23):708–12 (Eng. Abstr.) **(Cze)**

[Death by poisoning] Fournier E, et al. **Acta Med Leg Soc (Liege)** 1980;30(3):11–23 **(Fre)**

[The definition of resuscitation] Huguenard P. **Ann Anesthesiol Fr** 1980;21(3):201–4 **(Fre)**

[Variations of the state of health before and after hospitalization in a multidisciplinary resuscitation service] Le Gall JR, et al. **Cah Sociol Demogr Med** 1980 Jul–Sep; 20(3):149 **(Fre)**

[Laryngeal atresia––a rare obstacle to intubation in the resuscitation of a newborn] Gloeckner RJ, et al. **Intensivmed Prax** 1980;(2):27–9 **(Ger)**

[Ophthalmological symptoms following extrathoracal reanimation (author's transl)] Rochels R, et al. **Klin Monatsbl Augenheilkd** 1980 Dec;177(6):789–90 (Eng. Abstr.) **(Ger)**

[Results of treatment of internal medicine intensive care cases] Schuster HP, et al. **Med Klin** 1981 Jul 17; 76(15):419–22 (0 ref.) **(Ger)**

[First aid and life saving emergency care] Kissel D. **ZFA (Stuttgart)** 1981 Feb 28;57(6):448–56 **(Ger)**

[Diabetes insipidus induced by post–resuscitation hypoxia] Adunsky A, et al. **Harefuah** 1981 Feb 1;100(3):126–7 (Eng. Abstr.) **(Heb)**

[Problems of anesthesia and resuscitation in the extraction of tracheo–bronchial foreign bodies in children] Cardaci SB, et al. **Minerva Anestesiol** 1981 Mar;47(3):107–13 (Eng. Abstr.) **(Ita)**

[Organization of a polyvalent resuscitation department in a developing country] Gasperi A, et al. **Minerva Anestesiol** 1979 Mar;45(3):135–8 (Eng. Abstr.) **(Ita)**

[Thromboembolic complications in resuscitation and intensive care. Clinical and therapeutic considerations] Mangione S, et al. **Minerva Anestesiol** 1981 Apr;47(4):193–6 (Eng. Abstr.) **(Ita)**

[The use of sodium cefoxitin in resuscitation and intensive therapy] Sinatra A, et al. **Minerva Anestesiol** 1980 Nov; 46(11):1177–81 (Eng. Abstr.) **(Ita)**

[Introduction to the management of 'coagulopathies' in anesthesia and resuscitation] Sparacia A. **Minerva Anestesiol** 1980 Jul;46(7):757–8 **(Ita)**

[Etiology of superinfections in resuscitation] Marinelli P, et al. **Nuovi Ann Ig Microbiol** 1979 Jan–Feb;30(1):27–50 (Eng. Abstr.) **(Ita)**

[Neurological aspects of resuscitation] Negovsky VA. **Riv Neurol** 1980 Mar–Apr;50(2):142–50 **(Ita)**

[Recent advances in cardiopulmonary resuscitation (author's transl)] Yamamura H. **Kokyu To Junkan** 1981 Apr; 29(4):381–5 **(Jpn)**

[Indications for resuscitation] Kornstad S, et al. **Tidsskr Nor Laegeforen** 1981 Jan 10;101(1B):74–6 (Eng. Abstr.) **(Nor)**

[Remote results of long–term resuscitation of a premature infant with umbilical hernia] Banaszewski B, et al. **Pediatr Pol** 1981;56(1):99–101 **(Pol)**

[Obstetrical anesthesiological and resuscitation field team] Zhdanov GG, et al. **Akush Ginekol (Mosk)** 1980 Dec; (12):46–8 (Eng. Abstr.) **(Rus)**

[Case of successful resuscitation in wounds of the inferior vena cava] Kislitsin VA, et al. **Anesteziol Reanimatol** 1980 Sep–Oct;(5):74–5 **(Rus)**

[Outcome of resuscitation after clinical death from blood loss] Nikolaev AF. **Anesteziol Reanimatol** 1981 Mar–Apr; (2):41–5 (Eng. Abstr.) **(Rus)**

[Ultrastructure of the cerebral cortex in the postresuscitation period] Semchenko VV. **Anesteziol Reanimatol** 1980 Sep–Oct;(5):36–9 (Eng. Abstr.) **(Rus)**

[Resuscitation of the cooled brain after sustained ischemia] White RJ. **Anesteziol Reanimatol** 1980 Aug;(4):40–6 **(Rus)**

[Morphology of the acute respiratory insufficiency syndrome during resuscitation and intensive therapy] Sapozhnikova MA, et al. **Arkh Patol** 1980;42(10):50–5 (Eng. Abstr.) **(Rus)**

[Changes in the concentrations of total RNA and DNA in the cerebral cortex and internal organs (liver and heart) after prolonged hypovolemic hypotension and in the post–resuscitation period] Kozhura VL. **Biull Eksp Biol Med** 1981 Feb;91(2):144–6 (Eng. Abstr.) **(Rus)**

[Lymph circulation dynamics and protein–cellular responses of central lymph during the early postresuscitation period] Minnebaev MM, et al. **Biull Eksp Biol Med** 1981 Mar; 91(3):281–3 (Eng. Abstr.) **(Rus)**

[Role of certain brain structures in the generation and spread of alpha–like activity in dogs peculiar to the early stages of the postresuscitation period] Zarzhetskiĭ IuV, et al. **Biull Eksp Biol Med** 1981 May;91(5):530–2 (Eng. Abstr.) **(Rus)**

[Changes in the 2,3–diphosphoglyceric acid concentration in the erythrocytes in the postresuscitation period in patients who have had massive hemorrhage and trauma] Esina NI. **Patol Fiziol Eksp Ter** 1980;(4):27–31 (Eng. Abstr.) **(Rus)**

[Lysosomal enzyme activity in the cerebral cortex in the post–resuscitation period] Korpachev VG, et al. **Patol Fiziol Eksp Ter** 1980 Nov–Dec;(6):62–3 (Eng. Abstr.) **(Rus)**

[Work experience of a pediatric infectious disease resuscitation and intensive therapy department] Granova LV, et al. **Pediatriia** 1981 Apr;(4):67–9 **(Rus)**

[Characteristics of the resuscitation period in severe forms of botulism] Mikhaĭlenko AA, et al. **Sov Med** 1980;(6):85–8 **(Rus)**

[Organizational principles of the control of hospital infection in resuscitation and intensive care departments] Ivchenko VN, et al. **Vestn Khir** 1980 Jul;125(7):111–6 (Eng. Abstr.) **(Rus)**

[Anesthesiological and resuscitation services in cases of gastrointestinal injuries] Lytkin MI, et al. **Vestn Khir** 1981 Jun;126(6):121–4 **(Rus)**

[Resuscitation in acute allergic reactions to drugs] Novozhilov VA, et al. **Vestn Khir** 1980 Nov;125(11):126–9 (Eng. Abstr.) **(Rus)**

[Problems of intrahospital infection in resuscitation and intensive care units] Zaĭkovskiĭ IuIa, et al. **Vestn Khir** 1980 May;124(5):125–30 (25 ref.) **(Rus)**

[Rat brain nucleotide pool in the recovery period following resuscitation] Kireev MM, et al. **Vopr Med Khim** 1980 Mar–Apr;26(2):158–62 (Eng. Abstr.) **(Rus)**

[Use of beta blockader agents in anesthesiology and resuscitation] Carrasco MS, et al. **Rev Esp Anestesiol Reanim** 1980 Jan;27(1):90–105 **(Spa)**

[Value of new curariform drugs in current anesthesiology and resuscitation] Carrasco Jiménez MS, et al. **Rev Esp Anestesiol Reanim** 1981 May;28(3):151–7 **(Spa)**

[Importance of immediate treatment in drowning and evaluation of therapeutic efficiency] Rufino A, et al. **Rev Esp Anestesiol Reanim** 1981 May;28(3):135–43 (Eng. Abstr.) **(Spa)**

ADVERSE EFFECTS

Infectious hazards of mouth–to–mouth resuscitation. Achong MR. **Am Heart J** 1980 Nov;100(5):759–61

Gastric rupture: an esophageal obturator airway complication. Crippen D, et al. **Ann Emerg Med** 1981 Jul; 10(7):370–3

Altered interstitial fluid space dynamics and postresuscitation hypertension. Dawson CW, et al. **Arch Surg** 1981 May; 116(5):657–62

Complications of CPR. Nagel EL, et al. **Crit Care Med** 1981 May;9(5):424

Phlebothrombosis as a complication of barbiturate–induced coma for neuroresuscitation. DeNicola LK, et al. **Drug Intell Clin Pharm** 1981 Jul–Aug;15(7–8):601–2

Iatrogenic fractures of the hyoid bone and the thyroid cartilage. A case report. Gregersen M, et al. **Forensic Sci Int** 1981 Jan–Feb;17(1):41–3

Fatal gastric hemorrhage: a complication of cardiorespiratory resuscitation. Aguilar JC. **J Trauma** 1981 Jul;21(7):573–5

Are intracardiac injections proved safe? [letter] Schwartz AJ, et al. **JAMA** 1981 Aug 14;246(7):735

Cardiac arrest in hypothermia [letter] White JD. **JAMA** 1980 Nov 21;244(20):2262

Gastric rupture as a complication of cardiopulmonary resuscitation: report of case and review of literature. Evans RD, et al. **JAOA** 1981 Aug;80(12):830–1

Closed–chest intracardiac injection. Hao–Hui C. **Resuscitation** 1981 Mar;9(1):103–6

[Clinical picture and approach to tracheal stenoses and tracheoesophageal fistulae as a complication of prolonged resuscitative care] Drábková J, et al. **Rozhl Chir** 1981; 60(1):55–9 (Eng. Abstr.) **(Cze)**

[Massive organ injuries resulting from resuscitation measures] Umach P, et al. **Beitr Gerichtl Med** 1980;38:29–32 (Eng. Abstr.) **(Ger)**

[Direct and indirect trauma in resuscitation (author's transl)] Saternus KS. **Z Rechtsmed** 1981;86(3):161–74 (Eng. Abstr.) **(Ger)**

[Pneumopericardium in neonatal resuscitation] Sabolo S, et al. **Minerva Anestesiol** 1980 Oct;46(10):1099–104 (Eng. Abstr.) **(Ita)**

[Special aspects of coagulopathies as risk factors in anesthesia, resuscitation and intensive therapy] Sparacia A. **Minerva Anestesiol** 1980 Jul;46(7):815–26 **(Ita)**

[Morphology of 'resuscitation–induced encephalopathy'] Liudkovskaia IG, et al. **Arkh Patol** 1981;43(7):71–6 (Eng. Abstr.) **(Rus)**

[Stomach rupture as a complication of resuscitation] Boris AI, et al. **Vestn Khir** 1980 Jul;125(7):110 **(Rus)**

ECONOMICS

The costs of a suburban paramedic program in reducing deaths due to cardiac arrest. Urban N, et al. **Med Care** 1981 Apr;19(4):379–92

EDUCATION

Who accepts first aid training? Pearn J, et al. **Aust Fam Physician** 1980 Sep;9(9):602–5

Heart–Alert: evaluation of a community training program for cardiopulmonary resuscitation [letter] Mills A, et al. **Can Med Assoc J** 1981 May 1;124(9):1135, 1139

Education research on life–supporting first aid (LSFA) and CPR self–training systems (STS). Safar P, et al. **Crit Care Med** 1981 May;9(5):403–4

Cardiopulmonary resuscitation training in a family medicine residency. Papadopoulos DA. **J Fam Pract** 1981 Jun; 12(6):1013–6

CPR certification in the classroom: it can be done! Krone W. **J Sch Health** 1981 Feb;51(2):107–8

Another reason for CPR training of physicians [letter] Marschall KE, et al. **N Engl J Med** 1981 Mar 12;304(11):673

Modular teaching of cardio–pulmonary resuscitation for nursing service personnel. McSwain EC, et al. **Resuscitation** 1980 Dec;8(4):257–61

HISTORY

Nineteenth century resuscitation apparatus. McLellan I. **Anaesthesia** 1981 Mar;36(3):307–11

Poetical version of the Rules of the Humane Society for recovering drowned persons. Scherlis L. **Crit Care Med** 1981 May;9(5):430–1

Charles Claude Guthrie's contribution to cardiac resuscitation. Stephenson HE Jr. **Crit Care Med** 1981 May; 9(5):428–9

Background on manual artificial respiration and mouth–to–mouth resuscitation. Addendum: Background on cardiopulmonary resuscitation. Dill DB, et al. **Physiologist** 1980 Jun;23(3):33–7

[History of the Italian Society of Anesthesia and Analgesia, the Italian Society of Anesthesiology, the Italian Society of Anesthesia and Resuscitation and of the Italian Society of Anesthesiology, Analgesia, Resuscitation and Intensive Therapy] Bellucci G. **Minerva Anestesiol** 1980 Jul; 46(7):733–56 **(Ita)**

INSTRUMENTATION

The oesophageal obturator airway: a new device in emergency cardiopulmonary resuscitation. Michael TA, et al. **Br Med J** 1980 Dec 6;281(6254):1531–4

Airway management I. M–A–S: a mouthmask–airway–sump system for upper airway control II. Elastomeric cuffs for long–dwelling endotracheal tubes. Elam JO, et al. **Crit Care Med** 1981 May;9(5):425

The evaluation of resuscitation and critical care equipment: a user's quality assurance service. Knickerbocker GG. **Crit Care Med** 1981 May;9(5):401–2

American Academy of Allergy: statement on resuscitative equipment. **J Allergy Clin Immunol** 1981 Jan;67(1):1

The esophageal obturator airway. A critique. Michael TA. **JAMA** 1981 Sep 4;246(10):1098–101

Management of cardiac arrest [letter] Pacy H. **Med J Aust** 1981 Jan 24;1(2):92

[Cardiac resuscitation using newly devised manual perfusion pump following hypothermic cardiac arrest––an experimental study (author's transl)] Koga Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Mar;29(3):389–95 (Eng. Abstr.) **(Jpn)**

[Experience in using an information signal system in a resuscitation department] Kosonogov LF, et al. **Anesteziol Reanimatol** 1981 Jan–Feb;(1):72–3 **(Rus)**

[Pressing tasks in the comprehensive provision of equipment to anesthesiology and resuscitation services] Buniatian AA, et al. **Med Tekh** 1980 Nov–Dec;(6):17–23 **(Rus)**

[Provision of apparatus to resuscitation and intensive therapy departments of the cardiology service] Smerdov AA. **Med Tekh** 1980 Nov–Dec;(6):28–31 (Eng. Abstr.) **(Rus)**

METHODS

Use of endotracheally administered epinephrine in a pediatric patient. Greenberg MI, et al. **Am J Dis Child** 1981 Aug; 135(8):767–8

Cerebral blood flow during cardiopulmonary resuscitation. Rogers MC, et al. **Anesth Analg (Cleve)** 1981 Feb;60(2):73–5

Experimental design for study of cardiopulmonary resuscitation in dogs. Barsan WG, et al.

Ann Emerg Med 1981 Mar;10(3):135–7
Blood flow with ventilation alone in a child with cardiac arrest. Forney J, et al. **Ann Emerg Med** 1980 Dec; 9(12):624–6
Subdiaphragmatic pressure to expel water from the lungs of drowning persons. Heimlich HJ. **Ann Emerg Med** 1981 Sep;10(9):476–80
Mechanical ECC not yet warranted [letter] Wears RL. **Ann Emerg Med** 1981 Mar;10(3):165
Cardiopulmonary resuscitation. Fenster PE, et al. **Ariz Med** 1980 Aug;37(8):578–9
A new approach to artificial expansion and ventilation of the lung in the severely asphyxiated neonate. Rosen M, et al. **Br J Anaesth** 1981 Mar;53(3):249–54
Resuscitation of the newborn [letter] Boscoe MJ. **Br Med J** 1980 Jan 26;280(6209):252
'New' cardiopulmonary resuscitation [editorial] **Br Med J [Clin Res]** 1981 Jan 24;282(6260):251–2
The oesophageal obturator airway [letter] Williams RT, et al. **Br Med J [Clin Res]** 1981 Aug 15;283(6289):499
Comparison of standard and 'new' closed-chest CPR and open-chest CPR in dogs. Bircher N, et al. **Crit Care Med** 1981 May;9(5):384–5
High frequency jet ventilation in CPR. Klain M, et al. **Crit Care Med** 1981 May;9(5):421–2
Systolic and mean arterial pressures during manual and mechanical CPR in humans. McDonald JL. **Crit Care Med** 1981 May;9(5):382–3
'Old' and 'new' CPR manually performed in dogs. Redding JS, et al. **Crit Care Med** 1981 May;9(5):386–7
External noninvasive electric stimulation of the heart. Zoll PM, et al. **Crit Care Med** 1981 May;9(5):393–4
Prevention of pulmonary dysfunction secondary to hemorrhage to resuscitation with a hypertonic solution. Cone JB, et al. **Curr Surg** 1981 Mar–Apr;38(2):144–5
Cardiopulmonary resuscitation and advanced cardiac life support: common errors and current techniques. Frank S. **J Fam Pract** 1981 Feb;12(2):213–7
Percutaneous intra-aortic balloon: use in Iowa. Phillips SJ, et al. **J Iowa Med Soc** 1980 Dec;70(12):503–6
Resuscitation and intensive care monitoring following immersion hypothermia. Nugent SK, et al. **J Trauma** 1980 Sep;20(9):814–5
Management of the obstructed airway [letter] **JAMA** 1980 Sep 5;244(10):1093–4
Abdominal binding during cardiopulmonary resuscitation in man. Chandra N, et al. **JAMA** 1981 Jul 24–31;246(4):351–3
Intracardiac injections during cardiopulmonary resuscitation. A low-risk procedure. Davison R, et al. **JAMA** 1980 Sep 5;244(10):1110–1
In-water resuscitation [letter] Ghaphery JL. **JAMA** 1981 Feb 27;245(8):821
New techniques in external cardiac compressions. Aquatic cardiopulmonary resuscitation. March NF, et al. **JAMA** 1980 Sep 12;244(11):1229–32
Resuscitation from drowning in cold water [letter] Felix WR Jr, et al. **N Engl J Med** 1981 Apr 2;304(14):843–4
Resuscitation from drowning in cold water [letter] Jacobsen JB, et al. **N Engl J Med** 1981 Sep 3;305(10):580–1
Cardiopulmonary resuscitation in children. Orlowski JP. **Pediatr Clin North Am** 1980 Aug;27(3):495–512
On the intracardiac use of combined adrenaline, isoprenaline and noradrenaline in the resuscitation of the heart beat – A review of resuscitation, Part II. Hao-Hui C. **Resuscitation** 1981 Mar;9(1):53–9
In-water resuscitation [letter] **Undersea Biomed Res** 1981 Mar;8(1):63–6
[Therapeutic trials in anesthesia and resuscitation. Presentation of the subject: the reasons for a choice] Milhaud A. **Anesth Analg (Paris)** 1980;37(9–10):535–6 **(Fre)**
[Pathology of those buried alive] Lapras A. **Nouv Presse Med** 1980 Nov 8;9(42):3124–30 **(Fre)**
[Aspects of primary PEEP ventilation for immediate treatment of emergency patients (author's transl)] Dick W, et al. **Anaesthesist** 1980 Aug;29(8):407–13 (Eng. Abstr.) **(Ger)**
[Resuscitation in the treatment of severe tetanus: clinical experiences] Cassiano O, et al. **Minerva Anestesiol** 1980 Apr;46(4):501–12 (63 ref.) (Eng. Abstr.) **(Ita)**
[Anesthesia and resuscitation problems in surgery on Jehovah's Witnesses] Mungo F. **Minerva Anestesiol** 1980 Apr;46(4):513–22 (Eng. Abstr.) **(Ita)**
[Method of catheterizing the umbilical vein in the complex of measures for primary resuscitation of the newborn infant] Malkov IaIu, et al. **Akush Ginekol (Mosk)** 1980 Aug; (8):42–4 (Eng. Abstr.) **(Rus)**
[Use of sodium oxybutyrate in hemorrhagic shock during resuscitation at the preclinical stage] Boiarinov GA, et al. **Anesteziol Reanimatol** 1980 Nov-Dec;(6):38–40 (Eng. Abstr.) **(Rus)**
[Favorable outcome of a protracted comatose state resulting from electrical injury after clinical death and resuscitation] Lukoshevichiute AI, et al. **Anesteziol Reanimatol** 1981 Jan-Feb;(1):70–1 **(Rus)**
[Sorption detoxication in resuscitation practice] Luzhnikov EA, et al. **Anesteziol Reanimatol** 1980 Nov-Dec;(6):57–62 (Eng. Abstr.) **(Rus)**
[Use of electrocardiostimulation in pediatric resuscitation practice] Ostreikov IF, et al. **Anesteziol Reanimatol** 1980 Nov-Dec;(6):65–6 **(Rus)**
[Morphological changes in the lungs in the early recovery period after clinical death from acute blood loss depending on the method of its compensation] Iakovleva EI, et al. **Arkh Patol** 1981;43(2):51–7 (Eng. Abstr.) **(Rus)**
[Mechanism of action of blood plasma in postresuscitation states] Novoderzhkina IS, et al. **Biull Eksp Biol Med** 1980 Sep;90(9):291–3 (Eng. Abstr.) **(Rus)**
[Experience with repeated successful resuscitation in myocardial infarct] Atakhanov ShE, et al. **Kardiologiia** 1981 Jun;21(6):110–1 **(Rus)**
[Intensive therapy and resuscitation in pneumonia in young children] Shmonin LF, et al. **Pediatriia** 1980 Jul;(7):24–6 **(Rus)**
[Network planning of the resuscitation process in ventricular fibrillation in an intensive care unit] Matsnev AA. **Voen Med Zh** 1981 Jan;(1):31–5 **(Rus)**
[Emergency and resuscitation care of acute coronary failure patients in the prehospital stage (Czechoslovak Socialist Republic)] Sochor K. **Voen Med Zh** 1981;(7):67–8 **(Rus)**
[Management of emergencies and accidents in children. Cerebral cardiopulmonary resuscitation in a progressive care system] Miranda Caballero R. **Rev Chil Pediatr** 1980 Jan-Feb;51(1):35–7 **(Spa)**
[Adaptation syndrome of the newborn. Resuscitation of the newborn infant] Cardona Urda L, et al. **Rev Med Univ Navarra** 1979 Jun;23(2):17–27 **(Spa)**

NURSING

Dilemmas in practice: to make live or let die. Davis AJ. **Am J Nurs** 1981 Mar;81(3):582

PSYCHOLOGY

[Psychological aspects of clinical death in myocardial infarct complicated by ventricular fibrillation] Król W, et al. **Kardiol Pol** 1981;24(5):333–41 (Eng. Abstr.) **(Pol)**

STANDARDS

Criteria for cessation of CPR in the emergency department. Chipman C, et al. **Ann Emerg Med** 1981 Jan;10(1):11–7
Initial experience with a 'code-no code' resuscitation system in cancer patients. Arena FP, et al. **Crit Care Med** 1980 Dec;8(12):733–5
Cardiac arrest and you. Huber RD. **Crit Care Med** 1981 May; 9(5):413–4
One rescuer CPR--a reappraisal of present recommendations for ventilation. Melker R, et al. **Crit Care Med** 1981 May; 9(5):423
Pediatric review guidelines for cardio-pulmonary resuscitation in pediatrics. Warren RH, et al. **J Arkansas Med Soc** 1980 Nov;77(6):231–4
The ACLS score. Predicting survival from out-of-hospital cardiac arrest. Eisenberg M, et al. **JAMA** 1981 Jul 3; 246(1):50–2

TRENDS

Recent advantages in respiratory resuscitation. Boidin MP, et al. **Acta Anaesthesiol Belg** 1980;31 Suppl:113–6
New developments in cardiopulmonary resuscitation. Luce JM, et al. **JAMA** 1980 Sep 19;244(12):1366–70
[Recent development in cardiopulmonary resuscitation] Ahnefeld FW. **Dtsch Med Wochenschr** 1981 Jun 26; 106(26):827–8 **(Ger)**

VETERINARY

Cardiopulmonary resuscitation in the horse. Goldstein MA, et al. **Cornell Vet** 1981 Jul;71(3):255–68
Cardiopulmonary resuscitation in the nonhuman primate. Gilroy BA. et al. **J Am Vet Med Assoc** 1980 Nov 1; 177(9):867–9
Monitoring CPR by femoral pulse [letter] Soliman SS. **J Am Vet Med Assoc** 1980 Sep 1;177(5):394
Initial assessment, resuscitation, and management of the critically traumatized small animal patient. Rodkey WG. **Vet Clin North Am [Small Anim Pract]** 1980 Aug; 10(3):561–80 (22 ref.)

RETE TESTIS see under **TESTIS**

RETENTION (PSYCHOLOGY) see under **MEMORY**

RETICULAR FORMATION

ANATOMY & HISTOLOGY

Thalamic reticular nucleus: anatomical evidence that cortico-reticular axons establish monosynaptic contact with reticulo-geniculate projection cells. Ohara PT, et al. **Brain Res** 1981 Feb 23;207(1):153–6
Spinal projections from the medullary reticular formation of the North American opossum: heterogeneity. Martin GF, et al. **J Comp Neurol** 1981 Mar 10;196(4):663–82
Ascending projections of the brain stem reticular formation in a nonmammalian vertebrate (the lizard Varanus exanthematicus), with notes on the afferent connections of the forebrain. Ten Donkelaar HJ, et al. **J Comp Neurol** 1981 Aug 20;200(4):501–28
The reticulo-raphe connection. An experimental study using the method of antegrade degeneration and the method of retrograde horseradish peroxidase transport tracing in the rat. Petrovický P. **J Hirnforsch** 1981;22(1):33–45
Transcommissural afferent projections of lemniscal and spino-reticulo-thalamic systems. Lyubimov NN, et al. **Neurosci Behav Physiol** 1980 Sep-Oct;10(5):431–8
Evidence for collateral innervation of the cervical and lumbar enlargements of the spinal cord by single reticular and raphe neurons. Studies using fluorescent markers in double-labeling experiments on the North American opossum. Martin GF, et al. **Neurosci Lett** 1981 Jun 12; 24(1):1–6
Organization of reticular projections onto oculomotor neurones. Büttner-Ennever JA. **Prog Brain Res** 1979; 50:619–30
Organization of reticular projections to the vestibular nuclei in the cat. Corvaja N, et al. **Prog Brain Res** 1979;50:631–44
[Hypothalamic projections into the midbrain reticular formation and the parafascicular complex in the cat detected by means of retrograde horseradish peroxidase transport] Sotnichenko TS, et al. **Arkh Anat Gistol Embriol** 1980 Jul;79(7):21–7 (Eng. Abstr.) **(Rus)**

CYTOLOGY

The reticulocerebellar projection in the cat as studied with retrograde transport of horseradish peroxidase. Kotchabhakdi N, et al. **Anat Embryol (Berl)** 1980; 160(3):341–59
Development of the brain stem reticular core: an assessment of dendritic state and configuration in the perinatal rat. Hammer RP Jr, et al. **Brain Res** 1981 Apr;227(2):179–90
The influence of pre- and postnatal undernutrition on the developing brain stem reticular core: a quantitative Golgi study. Hammer RP Jr. **Brain Res** 1981 Apr;227(2):191–201
Morphological development of the brain stem reticular core in prenatally undernourished rats. Hammer RP Jr, et al. **Brain Res** 1981 Apr;227(2):203–12
New data on the precise location of the lacrimo-muconasal nucleus of the rat. Insausti R, et al. **Experientia** 1980 Aug 15;36(8):977–8
Dorsal column input into the reticular formation. Salibi NA, et al. **Nature** 1980 Dec 4;288(5790):481–3
The reduced responsiveness of reticulospinal neurones to paired stimuli in cats. Pavlásek J, et al. **Physiol Bohemoslov** 1981;30(3):221–30

DRUG EFFECTS

Effects of focal electrical stimulation and morphine microinjection in the periaqueductal gray of the rat mesencephalon on neuronal activity in the medullary reticular formation. Mohrland JS, et al. **Brain Res** 1980 Nov 10;201(1):23–37
Comparative effects of pentylenetetrazol on the sensory responsiveness of lateral geniculate and reticular formation neurons. Faingold CL, et al. **Electroencephalogr Clin Neurophysiol** 1980 Jul; 49(1-2):168–72
Carbachol 'push--pull' perfusion in the reticular formation: effect on the contiguous multiple-unit activity and other sleep--waking parameters in cats. Velasco M, et al. **Exp Neurol** 1981 May;72(2):318–31
Effect of carbachol 'push--pull' perfusion in the reticular formation on alumina cream-induced focal motor seizures in cats. Velasco M, et al. **Exp Neurol** 1981 May; 72(2):332–45
Differential effects of systemic versus intracranial injection of opiates on central, orofacial and lower body nociception: somatotypy in bulbar analgesia systems. Rosenfeld JP, et al. **Pain** 1980 Dec;9(3):307–18
Involvement of caudate nucleus, amygdala or reticular formation in neuroleptic and narcotic catalepsy. Dunstan R, et al. **Pharmacol Biochem Behav** 1981 Feb;14(2):169–74
[Role of the mesencephalon reticular formation in the effect of ethosuximide on a cortical epileptogenic focus] Kästner I, et al. **Acta Biol Med Ger** 1980;39(4):455–9 (Eng. Abstr.) **(Ger)**

METABOLISM

The effect of morphine on the content of serotonin, 5-hydroxyindole acetic acid and substance-P in the nuclei raphe magnus and reticularis gigantocellularis. Lakoski JM, et al. **Life Sci** 1980 Dec 22–29;27(25–26):2639–44

PHYSIOLOGY

Spatial interactions and stimulus-response relations of unit responses evoked by somato-sensory stimuli in the feline caudal medullary reticular formation. Such G, et al. **Acta Physiol Acad Sci Hung** 1979;54(3):231–44
The developing mesencephalic reticular formation: changes in responsiveness during ontogeny of the rat. Tamásy V, et al. **Acta Physiol Acad Sci Hung** 1980;56(2):187–201
Halothane-induced changes in neuronal activity of cells of the nucleus reticularis gigantocellularis of the cat. Kikuchi H, et al. **Anesth Analg (Cleve)** 1980 Dec;59(12):897–901
Conditioning of hippocampal cells: its acceleration and long-term facilitation by post-trial reticular stimulation. Bloch V, et al. **Behav Brain Res** 1981 Jul;3(1):23–42
Pontine reticular unit responses to pelvic nerve and colonic mechanical stimulation in the dog. Fukuda H, et al. **Brain Res** 1981 Feb 23;207(1):59–71
Nigro-reticular pathway in the rat: an intracellular study. González-Vegas JA. **Brain Res** 1981 Feb 23;207(1):170–3
Morphological and physiological identification of excitatory

pontine reticular neurons projecting to the cat abducens nucleus and spinal cord. Grantyn R, et al. **Brain Res** 1980 Sep 29;198(1):221–8

Role of dorsal mesencephalic reticular formation and deep layers of superior colliculus as out-put stations for turning behaviour elicited from the substantia nigra pars reticulata. Imperato A, et al. **Brain Res** 1981 Jul 20;216(2):437–43

Role of dorsal mesencephalic reticular formation and deep layers of superior colliculus in turning behaviour elicited from the striatum. Morelli M, et al. **Brain Res** 1981 Jun 29;215(1–2):337–41

Ipsiversive turning behaviour after discrete unilateral lesions of the dorsal mesencephalic reticular formation by kainic acid. Mulas A, et al. **Brain Res** 1981 Mar 16;208(2):468–72

The role of medial bulbar reticular neurons in the orbital cortically induced masticatory rhythm in cats. Nakamura Y, et al. **Brain Res** 1980 Nov 24;202(1):207–12

Reticular influences on primary and augmenting responses in the somatosensory cortex. Steriade M, et al. **Brain Res** 1981 Jan 26;205(1):67–80

Patterns of habituation to electrical stimulation of reticular and auditory pathways. Robertson RT. **Brain Res Bull** 1981 May;6(5):365–70

Strychnine effects on the sensory response patterns of reticular formation neurons. Faingold CL. **Electroencephalogr Clin Neurophysiol** 1980 Oct; 50(1–2):102–11

Brain stem activation of the hippocampus: a role for the magnocellular reticular formation and the MLF. Vertes RP. **Electroencephalogr Clin Neurophysiol** 1980 Oct; 50(1–2):48–58

Integration in descending motor pathways controlling the forelimb in the cat. 8. Ascending projection to the lateral reticular nucleus from C3–C4 propriospinal also projecting to forelimb motoneurones. Alstermark B, et al. **Exp Brain Res** 1981;42(3–4):282–98

Intracellular potential of medullary reticular neurons during sleep and wakefulness. Chase MH, et al. **Exp Neurol** 1981 Jan;71(1):226–33

All-or-nothing and graded slow waves in the lateral geniculate nucleus to stimulation of the midbrain reticular formation. Cole AM, et al. **Exp Neurol** 1980 Sep; 69(3):528–42

Eighth nerve activation of cat pontine reticular neurons which project in or near the ascending medial longitudinal fasciculus. Remmel RS, et al. **Exp Neurol** 1980 Dec; 70(3):706–11

Projections from the pontine reticular formation to the lateral geniculate body: autoradiographic demonstration of a pathway that could mediate pontine-geniculate-occipital waves. Robertson RT. **Exp Neurol** 1981 Aug;73(2):576–81

Involvement of the pontine reticular formation in head movements and labyrinthine righting in the rat. Sirkin DW, et al. **Exp Neurol** 1980 Sep;69(3):435–57

Control of trigeminal motoneurons exerted from bulbar reticular formation in the cat. Takatori M, et al. **Exp Neurol** 1981 Apr;72(1):122–40

Reciprocal connections between substantia nigra and medullary reticular formation in the rat. Pardey-Borrero B, et al. **Experientia** 1980 Jun 15;36(6):665–6

A light microscopic investigation of the afferent connections of the lateral reticular nucleus in the cat. Hrycyshyn AW, et al. **J Comp Neurol** 1981 Apr 10;197(3):477–502

An electron microscopic study of the afferent connections of the lateral reticular nucleus of the cat. Hrycyshyn AW, et al. **J Comp Neurol** 1981 Apr 10;197(3):503–16

Intracellular analysis of synaptic potentials induced in trigeminal jaw-closer motoneurons by pontomesencephalic reticular stimulation during sleep and wakefulness. Chandler SH, et al. **J Neurophysiol** 1980 Aug;44(2):372–82

Responses of lateral reticular neurons to convergent neck and macular vestibular inputs. Kubin L, et al. **J Neurophysiol** 1981 Jul;46(1):48–64

Location and properties of dorsal horn neurons at origin of spinoreticular tract in lumbar enlargement of the rat. Menétrey D, et al. **J Neurophysiol** 1980 Nov;44(5):862–77

Input-output organization of midbrain reticular core. Ropert N, et al. **J Neurophysiol** 1981 Jul;46(1):17–31

Thermoregulatory noradrenergic and serotonergic pathways to hypothalamic units. Brück K, et al. **J Physiol (Lond)** 1980 Jul;304:193–202

Putative nociceptive neurotransmitters in the mesencephalic reticular formation. Haigler HJ, et al. **Life Sci** 1981 Jul 6;29(1):33–43

Ultrastructural changes in synapses of the rabbit sensomotor cortex during stimulation of the reticular formation. Artyukhina NI, et al. **Neurosci Behav Physiol** 1980 Sep-Oct;10(5):438–45

Responses of lateral reticular neurons to sinusoidal rotation of neck in the decerebrate cat. Kubin L, et al. **Neuroscience** 1981;6(7):1277–90

Serotonergic mediation of descending inhibition from midbrain periaqueductal gray, but not reticular formation, or spinal nociceptive transmission in the cat. Carstens E, et al. **Pain** 1981 Apr;10(2):149–67

Midbrain reticular formation damage and the ontogeny of ingestive and sensorimotor behaviors. Hill DL, et al. **Physiol Behav** 1981 Feb;26(2):269–75

Reticular multiple-unit activity and motor changes during DRL learning in cats. Lecas JC, et al. **Physiol Behav** 1981 Mar;26(3):451–9

Post-learning paradoxical sleep, reticular activation and noradrenergic activity. Leconte P, et al. **Physiol Behav** 1981 Apr;26(4):587–94

The neural substrate of the startle response. Leitner DS, et al. **Physiol Behav** 1980 Aug;25(2):291–7

Midbrain reticular formation involvement in the inhibition of acoustic startle. Leitner DS, et al. **Physiol Behav** 1981 Feb;26(2):259–68

Colliculoreticular organization in the oculomotor system. Keller EL. **Prog Brain Res** 1979;50:725–34

Rapid development of latent inhibition: no effect of implanted site. DeVietti TL, et al. **Psychol Rep** 1980 Oct;47(2):473–4

[Measurement of the excitability of reticulo-cortical and reticulo-thalamo-cortical system during different states of wakefulness and sleep in the rat: technique, results and application (author's transl)] Beaubernard C, et al. **Rev Electroencephalogr Neurophysiol Clin** 1979 Oct-Dec; 9(4):418–24 (Eng. Abstr.) **(Fre)**

[Methodological aspects of a renewed study of ascending activation of mesencephalic reticular origin (author's transl)] Steriade M. **Rev Electroencephalogr Neurophysiol Clin** 1979 Oct-Dec; 9(4):316–25 (Eng. Abstr.) **(Fre)**

[ERG changes caused by stimulation of the reticular formation of the mesencephalon] Oswald V, et al. **Acta Biol Med Ger** 1980;39(2–3):265–9 (Eng. Abstr.) **(Ger)**

[Changes in efferent activity in the renal and splenic nerves during stimulation of the bulbar reticular nucleus] Bershtein SA, et al. **Biull Eksp Biol Med** 1980 Aug;90(8):134–5 (Eng. Abstr.) **(Rus)**

[Responses of pericruciate cortex neurons to stimulation of the hypothalamus and reticular formation] Baklavadzhian OG, et al. **Fiziol Zh SSSR** 1981 Apr;67(4):484–96 (Eng. Abstr.) **(Rus)**

[Excitatory postsynaptic potentials in motor neurons of rats upon stimulation of individual reticulospinal neurons] Karamian OA, et al. **Fiziol Zh SSSR** 1980 Sep; 66(9):1333–43 (Eng. Abstr.) **(Rus)**

[Specialization of the descending sympatho-activating pathways of the dorsolateral funiculus of the spinal cord] Khimonidi RK, et al. **Fiziol Zh SSSR** 1980 Jul;66(7):1031–8 (Eng. Abstr.) **(Rus)**

[Level at which baroreflex sympatho-inhibitory effects are achieved] Lebedev VP, et al. **Fiziol Zh SSSR** 1980 Jul; 66(7):1015–23 (Eng. Abstr.) **(Rus)**

[Convergent properties and chemical sensitivity of neurons of the reticular formation of the midbrain of unanesthetized rabbits] Polesskaia MM, et al. **Fiziol Zh SSSR** 1980 Sep; 66(9):1319–24 (Eng. Abstr.) **(Rus)**

[Analysis of changes in evoked bioelectrical brain activity after exposure to a constant high-intensity magnetic field] Klimovskaia LD. **Kosm Biol Aviakosm Med** 1980 Jul-Aug; 14(4):88–90 **(Rus)**

[Effects of peripheral nerve, lateral reticular nucleus, and inferior olive stimulation on cerebellar fastigial nucleus neurons in the cat] Amatuni AS. **Neirofiziologiia** 1981; 13(2):168–78 (Eng. Abstr.) **(Rus)**

[Reactions of reticular formation neurons in the rat during functional suppression of the cortical representation of the extremity stimulated] Dobrylko AK, et al. **Neirofiziologiia** 1981;13(2):179–86 (Eng. Abstr.) **(Rus)**

[Effect of local cortical exclusion on evoked potentials in the reticular formation occurring in response to somatosensory stimulation] Zhuravin IA, et al. **Neirofiziologiia** 1981;13(1):32–8 (Eng. Abstr.) **(Rus)**

[Effect of a dominant focus in the midbrain reticular formation on the functional state of the motor analyzer] Grechushnikova LS. **Zh Vyssh Nerv Deiat** 1980 Nov-Dec; 30(6):1272–8 (Eng. Abstr.) **(Rus)**

[Neuronal mechanisms of reticulocortical activation] Shuranova ZhP, et al. **Zh Vyssh Nerv Deiat** 1981 Jan-Feb; 31(1):129–39 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Responses of lateral reticular neurons to sinusoidal stimulation of labyrinth receptors in decerebrate cat. Kubin L, et al. **J Neurophysiol** 1980 Nov;44(5):922–36

The opiate antagonist naloxone does not consistently block inhibition of spinal nociceptive transmission produced by stimulation in lateral midbrain reticular formation of the cat. Carstens E, et al. **Neurosci Lett** 1980 Dec;20(3):335–9

[Anticonvulsive effect of stimulation of the mesencephalic reticular formation in animals with experimental photogenic epilepsy] Kryzhanovskiĭ GN, et al. **Biull Eksp Biol Med** 1980 Oct;90(10):409–13 (Eng. Abstr.) **(Rus)**

[Functional state of the cerebral cortex and midbrain reticular formation during traumatic shock] Matua SP. **Biull Eksp Biol Med** 1981 Mar;91(3):296–8 (Eng. Abstr.) **(Rus)**

[Cortical influences on hemodynamics during combined nociceptive stimulation and electric stimulation of septal and bulbar brain structures] Avdeev VI, et al. **Fiziol Zh SSSR** 1980 Dec;66(12):1792–800 (Eng. Abstr.) **(Rus)**

SURGERY

Rostral mesencephalic reticulotomy for pain relief. Report of 15 cases. Amano K, et al. **Acta Neurochir [Suppl] (Wien)** 1980;(30):391–3

ULTRASTRUCTURE

Autoradiographical study of the nucleolus in neurons of the reticular formation of the avian brain. Pessacq TP. **Cytologia (Tokyo)** 1980 Jun;45(1–2):293–5

Ultrastructural study of vestibular and reticular projections to the abducens nucleus. Destombes J, et al. **Exp Brain Res** 1981;43(3–4):253–60

Cytology and synaptology of the lateral reticular nucleus of the cat. Hrycyshyn AW, et al. **J Comp Neurol** 1981 Apr 10;197(3):459–75

RETICULIN

Architectonics of the argyrophil fibres of some endocrine organs. Meitner ER. **Folia Morphol (Praha)** 1980; 28(4):351–3

ANALYSIS

Reticulin impregnation in the diagnosis of malignant melanoma. Briggs JC. **Histopathology** 1980 Sep;4(5):507–16

IMMUNOLOGY

Antireticulin antibodies in psoriasis. Siri A, et al. **Acta Derm Venereol (Stockh)** 1980;60(4):348–51

Serum antibodies against gliadin and reticulin in a family study of coeliac disease. Stern M, et al. **Eur J Pediatr** 1980 Oct;135(1):31–6

[Reticulin antibodies in children with celiac sprue] Pozler O, et al. **Sb Ved Pr Lek Fak Univ Karlovy [Suppl]** 1980; 23(3):253–7 (Eng. Abstr.) **(Cze)**

[Presence of anti-reticulin in a case of bird fancier's lung (letter)] Ordeig J, et al. **Med Clin (Barc)** 1981 Feb 10; 76(3):139 **(Spa)**

METABOLISM

Binding of wheat gliadin in vitro to reticulum in normal and dermatitis herpetiformis skin. Unsworth DJ, et al. **J Invest Dermatol** 1981 Feb;76(2):88–93

RETICULOCYTES

The increased susceptibility of young red cells to invasion by the malarial parasite Plasmodium falciparum. Pasvol G, et al. **Br J Haematol** 1980 Jun;45(2):285–95

Prolonged reticulocytopenia in autoimmune hemolytic anemia of childhood. Greenberg J, et al. **J Pediatr** 1980 Nov;97(5):784–6

Autoimmune hemolytic anemia with reticulocytopenia. A medical emergency. Conley CL, et al. **JAMA** 1980 Oct 10;244(15):1688–90

Red cell changes in top, middle and bottom layer of packed red cells in vitamin B12 deficiency. Relation to treatment. Magnus EM. **Scand J Haematol** 1980 Apr;24(4):299–306

The effect of controlled daily blood loss on the haemoglobin concentration, erythrocyte count and reticulocyte count of male rats. Capel-Edwards K, et al. **Toxicol Lett** 1981 Apr;8(1–2):29–32

ANALYSIS

Electron microscopic observations of heterogeneous nuclear RNA of chicken reticulocytes. Naora H, et al. **Biochim Biophys Acta** 1981 Mar 26;653(1):91–7

the stability in various detergents of transferrin-transferrin receptor complexes from reticulocyte plasma membranes. Nunez MT, et al. **Biochim Biophys Acta** 1981 Feb 18; 673(1):137–46

The uptake of iron by reticulocytes. The influence of purification of the ghosts on iron-containing components in the ghost suspension. von der Heul C, et al. **Biochim Biophys Acta** 1980 Oct 2;601(3):572–83

Reticulocyte membrane transferrin receptors. Ecarot-Charrier B, et al. **Can J Biochem** 1980 May; 58(5):418–26

Protein synthesis in rabbit reticulocytes. Purification and characterization of a double-stranded RNA-dependent protein synthesis inhibitor from reticulocyte lysates. Das HK, et al. **J Biol Chem** 1981 Jun 25;256(12):6491–5

Electron microscopic evidence of circular molecules in 9-S globin mRNA from rabbit reticulocytes. Ladhoff AM, et al. **Mol Biol Rep** 1981 May 22;7(1–3):101–6

Photoaffinity labeling of the beta-adrenergic receptor: lack of evidence for spare receptors in the reticulocyte. Wrenn SM Jr, et al. **Trans Assoc Am Physicians** 1980;93:218–29

CYTOLOGY

Seasonal variations in reticulocyte counts in blood of laboratory mice and rats. Short communication. Berger J. **Z Versuchstierkd** 1981;23(1):8–12

[In vitro maturation of reticulocytes. Behavior of RNA and inorganic pyrophosphatase] Mai A, et al. **Acta Biol Med Ger** 1980;39(2–3):217–22 (Eng. Abstr.) **(Ger)**

[Demonstration of reticulocytes and three-dimensional presentation of blood cells by means of reflexion contrast (author's transl)] Pera F. **Klin Wochenschr** 1980 Nov 17; 58(22):1261–6 (Eng. Abstr.) **(Ger)**

[Influence of the reticulocyte crisis in the healing phase of megaloblastic anemias following transfusion] Boewer C. **Z Gesamte Inn Med** 1980 May 1;35(9):380–2 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Cross-linking of hemoglobin and inhibition of globin synthesis in reticulocytes induced by photoactivated protoporphyrin. Malik Z, et al. **Acta Haematol (Basel)** 1980; 64(6):304–9

Effect of ATP depletion on the disappearance of high-molecular-weight aggregates formed in rabbit reticulocytes after exposure to puromycin dihydrochloride. Worthington VC, et al. **Biochem Soc Trans** 1981 Feb; 9(1):148–9

The effects of Ca2+ and guanylnucleotides on isoprenaline-stimulated cyclic AMP formation in rat reticulocyte ghosts. Porzig H, et al. **Biochim Biophys Acta** 1980 Dec 15;633(3):331–46

Direct effects of 1,3-diaminopropane on reticulocyte lysate protein synthesis. Kay JE, et al. **FEBS Lett** 1980 Dec 1; 121(2):309–12

Changes in energy charge and block of protein synthesis in rabbit reticulocytes under the action of valinomycin. Breitbart H, et al. **Mol Biol Rep** 1980 Dec 31;6(4):195–8

Interaction between membrane properties and protein synthesis in reticulocytes: influence of trypsinization on [3H]-valinomycin action. Herzberg M, et al. **Mol Biol Rep** 1980 Oct 31;6(3):137–41

Block in the elongation of protein synthesis in rabbit reticulocyte by action of the ionophore valinomycin. Herzberg M, et al. **Mol Biol Rep** 1980 Oct 31;6(3):163–7

ENZYMOLOGY

On the association behaviour of lipoxygenase of rabbit reticulocytes. Höhne M, et al. **Acta Biol Med Ger** 1980; 39(11–12):1241–2

Activation and partial characterization of a human reticulocyte heme-dependent eIF-Z alpha kinase. Franco RS, et al. **Am J Hematol** 1981;11(1):9–18

A cellular activator of catecholamine-sensitive adenylate cyclase in rat reticulocytes and erythrocytes: changes during reticulocyte development and effects on the beta receptor. Shane E, et al. **Arch Biochem Biophys** 1981 May; 208(2):418–25

Peptidase activity during the maturation of rabbit reticulocytes. Atkinson EM, et al. **Biochem Soc Trans** 1981 Feb;9(1):147

Double-stranded RNA dependent protein kinase (s) in rabbit reticulocyte lysates analogous to kinase from interferon-treated cells. Hovanessian AG. **Biochimie** 1980; 62(11–12):775–8

Eukaryotic aminoacyl-tRNA synthetases are RNA-binding proteins whereas prokaryotic ones are not. Alzhanova AT, et al. **FEBS Lett** 1980 Nov 3;120(2):225–9

Phosphorylation of glycogen synthase and of the beta subunit of eukaryotic initiation factor two by a common protein kinase. DePaoli-Roach AA, et al. **J Biol Chem** 1981 Sep 10;256(17):8871–4

Identification of the active amino acid residue of the polypeptide of ATP-dependent protein breakdown. Hershko A, et al. **J Biol Chem** 1981 Feb 25;256(4):1525–8

Activity of eukaryotic initiation factor 2 is modified by processes distinct from phosphorylation. I. Activities of eukaryotic initiation factor 2 and eukaryotic initiation factor 2 alpha kinase in lysate gel filtered under different conditions. Jagus R, et al. **J Biol Chem** 1981 Feb 10; 256(3):1317–23

Characterization of purified double-stranded RNA-activated eIF-2 alpha kinase from rabbit reticulocytes. Levin DH, et al. **J Biol Chem** 1981 Jul 25;256(14):7638–41

Synthesis of 2,3-bisphosphoglycerate synthase in erythroid cells. Narita H, et al. **J Biol Chem** 1981 Jul 10; 256(13):7059–63

Rabbit red blood cell hexokinase. Evidence for two distinct forms, and their purification and characterization from reticulocytes. Stocchi V, et al. **J Biol Chem** 1981 Aug 10; 256(15):7856–62

Relationship between phosphorylation and activity of heme-regulated eukaryotic initiation factor 2 alpha kinase. Fagard R, et al. **Proc Natl Acad Sci USA** 1981 Feb; 78(2):866–70

Purification and properties of the double-stranded RNA-activated eukaryotic initiation factor 3 kinase from rabbit reticulocytes. Grosfeld H, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6526–30

Elongation mechanism and substrate specificity of 2',5'-oligoadenylate synthetase. Justesen J, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4618–22

IMMUNOLOGY

Immunologically specific complexes of chromosomal nonhistone proteins with deoxyribonucleic acid in chicken erythroid nuclei. Krajewska WM, et al. **Biochemistry** 1980 Sep 30;19(20):4667–73

Cold isohaemagglutinins in Plasmodium berghei-infected rats reacting with parasitized reticulocytes. Brown KN, et al. **Bull WHO** 1980;58(3):449–57

Immunospecificity of nuclear antigens in chicken erythroid cells. Pumo DE, et al. **Mol Cell Biochem** 1980 Aug 29; 32(1):49–53

METABOLISM

Breakdown of ribosomal RNA in rabbit reticulocytes. Andree HH, et al. **Acta Biol Med Ger** 1980;39(10):995–1006

In vitro synthesis of hemoglobin and hemoglobin chains in the BFUe-derived colonies form person with alpha- or beta-thalassemia. Huisman TH, et al. **Am J Hematol** 1981; 10(3):227–37

Characterization of two different messenger ribonucleoprotein particles isolated from a postpolysomal fraction of the rabbit reticulocyte lysate. Buhl WJ, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1108–16

Stimulation of minor fetal hemoglobin synthesis in cord blood reticulocytes by butyrate. Garbutt GJ, et al. **Biochem Biophys Res Commun** 1981 Feb 27;98(4):1051–6

Stimulation of polypeptide synthesis by spermidine at the level of initiation in rabbit reticulocyte and wheat germ cell-free systems. Igarashi K, et al. **Biochem Biophys Res Commun** 1980 Nov 28;97(2):480–6

Regulation of protein synthesis in rabbit reticulocyte lysates: purification and initial characterization of the double stranded RNA activated protein kinase. Ranu RS. **Biochem Biophys Res Commun** 1980 Nov 17;97(1):252–62

The tRNA content of non-hemoglobinized red cell precursors: evidence that tRNA content is controlled by tRNA utilization. Smith DW, et al. **Biochem Biophys Res Commun** 1980 Jul 16;95(1):468–73

Effect of erythropoietin one the [14C] acetate incorporation into the lipids of erythrocyte cell membranes. Chaudhuri T, et al. **Biochem Med** 1980 Oct;24(2):162–9

Guanine nucleotide-induced shift in binding affinity for beta-adrenergic agonists in rat reticulocyte and turkey erythrocyte membranes. Shane E, et al. **Biochem Pharmacol** 1981 Mar 1;30(5):531–5

Mechanisms on control of polypeptide-chain initiation in reticulocytes. Jackson RJ, et al. **Biochem Soc Trans** 1980 Aug;8(4):457–8

The proteolysis of puromycin-peptide aggregates in rabbit reticulocytes of increasing maturity. McKay MJ, et al. **Biochem Soc Trans** 1981 Feb;9(1):147–8

Translation in vitro of rabbit reticulocyte carbonic anhydrase. Shiels A, et al. **Biochem Soc Trans** 1980 Oct;8(5):548–50

The interaction of bovine transferrin and monoferric transferrin fragments with rabbit reticulocytes. Esparza I, et al. **Biochim Biophys Acta** 1980 Aug 21;624(2):479–89

Incorporation of labelled amino acids into proteins, from rabbit reticulocytes, retained on heparin-sepharose. Hradec J. **Biochim Biophys Acta** 1980 Dec 11;610(2):285–96

Inhibition of reticulocyte iron uptake by NH4Cl and CH3NH2. Morgan EH. **Biochim Biophys Acta** 1981 Mar 20;642(1):119–34

Regulation of catecholamine-responsive adenylate cyclase activity in rat reticulocyte membranes by endogenous factors: general characteristics and resolution into protein and nucleotide components. Omrani GR, et al. **Biochim Biophys Acta** 1980 May 22;629(3):455–69

Early events in guinea pig reticulocyte iron uptake. Pollack S, et al. **Biochim Biophys Acta** 1981 Apr 3;673(4):366–73

Iron and transferrin distribution in reticulocytes incubated with heme synthesis inhibitors. Ponka P, et al. **Biochim Biophys Acta** 1980 Nov 3;632(4):527–35

Studies on the mechanism of transferrin iron uptake by rat reticulocytes. Zaman Z, et al. **Biochim Biophys Acta** 1980 Nov 3;632(4):553–61

Low molecular weight nonheme iron and a highly labeled heme pool in the reticulocyte. Pollack S, et al. **Blood** 1980 Sep;56(3):564–6

Membrane proteins synthesized by human reticulocytes and their precursors. Krasnow SH, et al. **Br J Haematol** 1981 Feb;47(2):171–83

Synthesis of very high molecular weight thyroglobulin in three heterologous systems. Eggo MC, et al. **Can J Biochem** 1980 May;58(5):446–55

Inhibition of initiation of protein synthesis by tosyl-L-lysyl chloromethyl ketone. Mbikay M, et al. **Can J Biochem** 1981 May;59(5):321–7

Insulin receptors on erythrocytes and reticulocytes [letter] Ivarsson SA, et al. **Clin Chem** 1981 Feb;27(2):347–8

Insulin receptors and protein synthesis in bone marrow cells and reticulocytes. Thomopoulos P, et al. **Diabetes** 1980 Oct; 29(10):820–4

Receptors for insulin-like peptides (ILAs) in rat reticulocytes and erythrocytes. Thomopoulos P, et al. **Endocrinology** 1981 Mar;108(3):1087–90

Preferential translation of mRNAs in an mRNA-dependent reticulocyte lysate. Asselbergs FA, et al. **Eur J Biochem** 1980 Aug;109(1):159–65

Regulation of protein synthesis in reticulocyte lysates. Characterization of the inhibitor generated in the postribosomal supernatant by heating at 44 degrees C. Bonanou-Tzedaki SA, et al. **Eur J Biochem** 1981; 114(1):69–77

Determination and characteristics of energy-dependent proteolysis in rabbit reticulocytes. Müller M, et al. **Eur J Biochem** 1980 Aug;109(2):405–10

Nitrogen economy and the metabolism of serine and glycine in reticulocytes of rabbits. Rapoport S, et al. **Eur J Biochem** 1980 Jul;108(2):449–55

Purification of messenger ribonucleoprotein particles from rabbit reticulocytes by zonal centrifugation in metrizamide. Rittschof D, et al. **Eur J Biochem** 1981 Mar 16;115(1):45–52

The role of eucaryotic factor Tu in protein synthesis. The measurement of the elongation factor Tu content of rabbit reticulocytes and other mammalian cells by a sensitive radioimmunoassay. Slobin LI. **Eur J Biochem** 1980 Sep; 110(2):555–63

Globin-chain affinity chromatography on Sepharose-haptoglobin: a new method of study of hemoglobin synthesis in reticulocytes, in bone marrow and in colonies of erythroid precursors. Tsapis A, et al. **Eur J Biochem** 1980 Dec;112(3):513–9

Rabbit reticulocyte double-stranded RNA-activated protein kinase and the hemin-controlled translational repressor phosphorylate the same Mr 1500 peptide of eukaryotic initiation factor 2 alpha. Gross M, et al. **FEBS Lett** 1981 Mar 23;125(2):223–6

Successful separation of the transcriptionally-active chromatin fraction from pigeon reticulocytes and calf thymus. Lishanskaya AI. **FEBS Lett** 1980 Dec 1; 121(2):207–10

Effect of puromycin, cycloheximide and concanavalin A on in vitro synthesis of human reticulocyte membrane proteins. Krasnow SH, et al. **Int J Biochem** 1981;13(6):707–11

3-ribosyluric acid and nucleotide content of erythroid cells in phenylhydrazine-induced anemia in cattle. Smith RC, et al. **Int J Biochem** 1981;13(4):509–12

Evidence that the phosphorylation of eukaryotic initiation factor 2 alpha by the hemin-controlled translational repressor occurs at a single site. Gross M, et al. **J Biol Chem** 1981 Jan 25;256(2):589–92

Structural integrity of DNA and translational integrity of ribosomes in nuclease-treated cell-free protein synthesizing systems prepared from wheat germ and rabbit reticulocytes. Kennedy TD, et al. **J Biol Chem** 1981 Jun 10; 256(11):5802–9

Properties of abnormal proteins degraded rapidly in reticulocytes. Intracellular aggregation of the globin molecules prior to hydrolysis. Klemes Y, et al. **J Biol Chem** 1981 Aug 25;256(16):8436–44

The purification and characterization of multiple forms of protein synthesis eukaryotic initiation factors 2, 3, and 5 from rabbit reticulocytes. Meyer LJ, et al. **J Biol Chem** 1981 Jan 10;256(1):351–6

Protein synthesis in rabbit reticulocytes. Co-eIF-2A reverses mRNA inhibition of ternary complex (Met-tRNAf.eIF-2.GTP) formation by eIF-2. Roy R, et al. **J Biol Chem** 1981 May 25;256(10):4719–22

Stimulation of ATP-dependent proteolysis requires ubiquitin with the COOH-terminal sequence Arg-Gly-Gly. Wilkinson KD, et al. **J Biol Chem** 1981 Sep 10; 256(17):9235–41

Control of protein synthesis in rabbit reticulocytes. Inhibition of polypeptide synthesis by ethanol. Wu JM. **J Biol Chem** 1981 May 10;256(9):4164–7

Effect of changes in the ionic environment of reticulocytes on the uptake of transferrin-bound iron. Paterson S, et al. **J Cell Physiol** 1980 Dec;105(3):489–502

Export of cyclic AMP by mammalian reticulocytes. Brunton LL, et al. **J Cyclic Nucleotide Res** 1980;6(5):369–77

LK sheep reticulocytosis: effect of anti-L on K influx and in vitro maturation. Kim HD, et al. **J Gen Physiol** 1980 July;76(1):109–21

Mathematical modelling of translation of mRNA in eucaryotes; steady state, time-dependent processes and application to reticulocytes. Heinrich R, et al. **J Theor Biol** 1980 Sep 21;86(2):279–313

Transferrin acquisition of catabolized erythrocyte iron in the rat. Zapolski EJ, et al. **Life Sci** 1980 Sep 1;27(9):739–45

Homogeneity of beta 2-adrenoceptors on rat erythrocytes and reticulocytes. A comparison with heterogeneous rat lung beta-adrenoceptors. Dickinson K, et al. **Mol Pharmacol** 1981 Mar;19(2):194–204

Ribosomal RNA cleavage, nuclease activation and 2-5A(ppp(A2'p)nA) in interferon-treated cells. Wreschner DH, et al. **Nucleic Acids Res** 1981 Apr 10;9(7):1571–81

Activation of the heat-stable polypeptide of the ATP-dependent proteolytic system. Ciechanover A, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):761–5

Interaction of human diferric transferrin with reticulocytes. Huebers H, et al. **Proc Natl Acad Sci USA** 1981 Jan; 78(1):621–5

F-cell production in sickle cell anemia: regulation by genes linked to beta-hemoglobin locus. Dover GJ, et al. **Science** 1981 Mar 27;211(4489):1441–4

[Animal and viral mRNA translation in a mRNA-dependent cell-free system and rabbit reticulocytes] Kisling U, et al. **Vopr Virusol** 1981 Mar-Apr;(2):210–5 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

[Acute erythroblastopenia through intolerance to sodium dipropyl acetate. First case (letter)] Douchain F, et al. **Nouv Presse Med** 1980 May 31;9(24):1715–6 **(Fre)**

PHYSIOPATHOLOGY

Excess alpha chains are lost from beta-thalassemic reticulocytes by proteolysis. Testa U, et al. **J Lab Clin Med** 1981 Sep;98(3):352–63

ULTRASTRUCTURE

Cytomorphology and behavior of late bone marrow and peripheral blood erythroid cells in experimental hemolytic anemia. Brunner A Jr, et al. **Cytologia (Tokyo)** 1980 Sep; 45(3):411–21

Calcium spikes in cultured human reticular cells from peritoneal exudates. Gallin EK. **J Cell Physiol** 1981 Apr; 107(1):21–9

RETICULOENDOTHELIAL SYSTEM

see related
HISTIOCYTES
PHAGOCYTES

ANALYSIS

Comparative study of reticuloendothelial system pools of the normal and immunologically activated rabbit synovium with radiocolloids. Gruhn WB, et al. **J Rheumatol** 1980 Nov–Dec;7(6):783–7

Functional studies on histiocytic and interdigitating reticulum cells from human lymphoid tissue. Müller-Hermelink HK, et al. **Virchows Arch [Cell Pathol]** 1981;37(2):217–24

Immunohistochemical and immunoelectron microscopic localization of S-100 protein in the interdigitating reticulum cells of the human lymph node. Takahashi K, et al. **Virchows Arch [Cell Pathol]** 1981;37(2):125–35

CYTOLOGY

An electron microscopic study on the reticuloendothelial cells in the lymph nodes. Sakuma H, et al. **Acta Pathol Jpn** 1981 May;31(3):449–72

[Non-lymphatic cells in the lymph node cortex of the mouse. III. Interdigitating cells and dendritic reticular cells in the mesenteric lymph node of the homozygous 'nude' (nu/nu) mouse (author's transl)] Groscurth P. **Pathol Res Pract** 1980;169(3–4):255–68 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Zymosan-induced resistance to endotoxin and hemorrhagic shock. Joyce LD, et al. **Adv Shock Res** 1978;1:125–47

The influence of low lead doses on the reticulo-endothelial system and leucocytes of mice. Schlick E, et al. **Arch Toxicol** 1981 Jun;47(3):197–207

A new look at reticuloendothelial blockade. Bradfield JW. **Br J Exp Pathol** 1980 Dec;61(6):617–23

Induction of acetylating capacity with complete Freund's adjuvant and hydrocortisone in the rabbit. du Souich P, et al. **Drug Metab Dispos** 1981 May–Jun;9(3):279–83

Sequestration of heat damaged rat erythrocytes during experimental action of methyl palmitate on RES. Sebestík V. **Folia Haematol (Leipz)** 1980;107(5):778–81

Dose-dependent storage capacity of colloidal carbon as a cause of reticuloendothelial blockade. du Souich P, et al. **J Reticuloendothel Soc** 1981 Feb;29(2):91–104

Intralipid and reticuloendothelial blockade [letter] **Lancet** 1980 Nov 22;2(8204):1138–9

Intralipid and reticuloendothelial clearance [letter] Fischer GW, et al. **Lancet** 1980 Dec 13;2(8207):1300

[Stimulation of the phagocytic activity of R.E.S. by plant extracts (author's transl)] Delaveau P, et al. **Planta Med** 1980 Sep;40(1):49–54 (Eng. Abstr.) **(Fre)**

[Effect of antibiotics on the reticuloendothelial function of mice] Szabó I, et al. **Orv Hetil** 1980 Aug 24;121(34):2075–6 **(Hun)**

GROWTH & DEVELOPMENT

[Non-lymphatic cells in the lymph node cortex of the mouse. II. Postnatal development of the interdigitating cells and the dendritic reticular cells (author's transl)] Groscurth P. **Pathol Res Pract** 1980;169(3–4):235–54 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Daunorubicin, daunorubicinol and DNA plasma kinetics after I.V. administration of daunorubicin–DNA complex in the rabbit. II. — Effects of R. E. S.-blockade. Hulhoven R, et al. **Biomedicine [Express]** 1980 Apr;33(2):44–7

Surface receptors on lymphoreticular cells: sensory devices for host recognition of foreign antigens and neoplasia. Elliott BE, et al. **Can Med Assoc J** 1980 Jun 21; 122(12):1361–72 (158 ref.)

Use of mini-microaggregated albumin to study reticuloendothelial system (RES) function in C. parvum-treated animals. Toki H, et al. **Int J Immunopharmacol** 1981;3(2):147–52

The role of complement in the localization of pneumococci in the splanchnic reticuloendothelial system during experimental bacteremia. Brown EJ, et al. **J Immunol** 1981 Jun;126(6):2230–5

The specificity of uptake of model immune complexes and other protein aggregates by the murine reticuloendothelial system. Finbloom DS, et al. **J Immunol** 1980 Sep; 125(3):1060–5

Reticuloendothelial clearance of radiolabelled pneumococci in experimental bacteremia: correlation of changes in clearance rates, sequestration patterns, and opsonization requirements at different phases of the bacterial growth cycle. Brown EJ, et al. **J Reticuloendothel Soc** 1981 Jul; 30(1):23–31

Fixed sheep red blood cells as an in vivo reticuloendothelial system test particle in rats. Schneidkraut MJ, et al. **J Reticuloendothel Soc** 1981 Jul;30(1):73–7

Effect of prolonged starvation on reticuloendothelial function and survival following trauma. Chaudry IH, et al. **J Trauma** 1981 Aug;21(8):604–11

Influence of cardiopulmonary bypass on some host defence functions in man. Schildt B, et al. **Scand J Thorac Cardiovasc Surg** 1980;14(2):207–11

Influence of thymosin and the supernatant of cultured mouse thymus reticuloepithelial cell on mouse immune responses. Nishida M, et al. **Tohoku J Exp Med** 1980 Apr; 130(4):369–80

[Reticuloendothelial system activation using synthetic glycopeptides in the mouse (author's transl)] Hlavatá D, et al. **Cas Lek Cesk** 1981 Jun 4;120(22):662–4 (Eng. Abstr.) **(Cze)**

[Lysosomal apparatus of the reticuloendothelial system cells and the pathogenesis of systemic lupus erythematosus] Volkova ZI, et al. **Vopr Revm** 1980 Jul–Sep;(3):55–8 (87 ref.) **(Rus)**

METABOLISM

Cadmium and the reticuloendothelial system (RES). A specific defect in blood clearance of soluble aggregates of IgG by the liver in mice given cadmium. Knutson DW, et al. **Immunology** 1980 May;40(1):17–26

Experimental studies on uptake of 99mTc-antimony sulfide colloid in RES--a comparison with various 99mTc-colloids. Nagai K, et al. **Int J Nucl Med Biol** 1981; 8(1):85–9

[Evaluation of storage-iron distribution in serum and reticuloendothelial system in patients with rheumatoid arthritis (author's transl)] Fereberger W, et al. **Acta Med Austriaca** 1980;7(3):88–91 (Eng. Abstr.) **(Ger)**

[Serum ferritin and cytochemical storage iron in erythropoiesis and the R.E.S. in iron deficiency and faulty iron metabolism] Fereberger W, et al. **Acta Med Austriaca [Suppl]** 1979;6:366–8 (Eng. Abstr.) **(Ger)**

[Experimental studies on accretion of 99mTc-antimony sulfide colloid in RES: a comparison with 99mTc-sulfur colloid (author's transl)] Nagai K, et al. **Kaku Igaku** 1980 Jul;17(5):583–7 (Eng. Abstr.) **(Jpn)**

PARASITOLOGY

Action of chymotrypsin on experimental Plasmodium berghei infection in albino mice. Bastardo T, et al. **Acta Cient Venez** 1980;31(6):48–52

PATHOLOGY

An immunohistologic study of Shope fibroma virus in rabbits: tumor rejection by cellular reaction in adults and progressive systemic reticuloendothelial infection in neonates. Sell S, et al. **JNCI** 1981 Feb;66(2):363–73

[Further understanding of pathological changes of malignant histiocytosis (author's transl)] Liu ZJ. **Chung Hua Nei Ko Tsa Chih** 1979;18(6):442–5 **(Chi)**

[Hematopoiesis and changes in the RES of the spleen pulp in fibrosarcoma-bearing rats] Catayee G, et al. **Bull Assoc Anat (Nancy)** 1979 Jun;63(181):185–90 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Phagocytic activity of the reticulo-endothelial system in the rat and rates of in vivo excretion of metabolites of carbaryl and in vitro microsomal metabolism. Pipy B, et al. **Biochem Pharmacol** 1981 Mar 15;30(6):669–72

The effect of reticuloendothelial blockade on the blood clearance and tissue distribution of liposomes. Souhami RL, et al. **Biochim Biophys Acta** 1981 May 18;674(3):354–71

Plasma lysozyme level and reticuloendothelial system function in human liver disease. van Vliet AC, et al. **Clin Chim Acta** 1981 Jun 18;113(2):193–9

Evidence that endogenous vasopressin plays a protective role in circulatory shock. Role for reticuloendothelial system using Brattleboro rats. Altura BM. **Experientia** 1980 Sep 15;36(9):1080–2

Metastasis: reticuloendothelial system and organ retention of disseminated malignant cells. Glaves D. **Int J Cancer** 1980 Jul 15;26(1):115–22

Oligosaccharide specific endocytosis by isolated rat hepatic reticuloendothelial cells. Maynard Y, et al. **J Biol Chem** 1981 Aug 10;256(15):8063–8

Effect of erythrocyte debris on reticuloendothelial function and susceptibility to experimental peritonitis. Grover GJ, et al. **Proc Soc Exp Biol Med** 1981 May;167(1):30–5

Uptake of liposomes and sheep red blood cells by the liver and spleen of rats with normal or decreased function of the reticuloendothelial system. Freise J, et al. **Res Exp Med (Berl)** 1981;178(3):263–9

Neutrophil-mediated lung localization of bacteria: a mechanism for pulmonary injury. Lanser ME, et al. **Surgery** 1981 Sep;90(3):473–81

Phagocytic activity of the rat reticuloendothelial system and the pharmacokinetics of an anticholinesterasic insecticide: carbaryl. Pipy B, et al. **Xenobiotica** 1980 Oct;10(10):785–93

[Physiology and pathophysiology of the reticuloendothelial system of the liver (author's transl)] Hopf U, et al. **Leber Magen Darm** 1980 Oct;10(5):277–83 (Eng. Abstr.) **(Ger)**

[Effect of soedomycin (M3) on the phagocytosis in the mouse (author's transl)] Okazaki M, et al. **Nippon Yakurigaku Zasshi** 1981 Feb;77(2):153–64 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Protection against superior mesenteric artery occlusion shock by soluble and nonsoluble reticuloendothelial stimulants. Mauer H, et al. **Adv Shock Res** 1978;1:181–9

Reticuloendothelial function and biliary obstruction. Holman JM Jr, et al. **Curr Surg** 1980 Sep–Oct;37(5):366–7

Psoriasis: an epidermal disease or a systemic condition. Wahba A. **Int J Dermatol** 1981 Mar;20(2):108–9

Modification of glomerular immune complex deposition in mice by activation of the reticuloendothelial system. Barcelli U, et al. **J Clin Invest** 1981 Jan;67(1):20–7

Hemolysis following thermal injury and depression of reticuloendothelial system phagocytic function. Loegering DJ. **J Trauma** 1981 Feb;21(2):130–4

Circulating reticuloendothelial depressing substance following thermal injury and intestinal ischemia. Loegering DJ. **Proc Soc Exp Biol Med** 1981 Apr;166(4):515–21

[Current status of the question of the reticuloendothelial system] Nedoshivina RV. **Patol Fiziol Eksp Ter** 1980 Nov–Dec;(6):70–3 (35 ref.) **(Rus)**

RADIATION EFFECTS

The effect of repeated injections of 99mTc-antimony-sulphide colloid on the RES of the rat--histopathologic study. Kazem I, et al. **Nuklearmedizin** 1980 Aug;19(4):195–9

RADIONUCLIDE IMAGING

Dissociation of reticuloendothelial cell and hepatocyte functions in alcoholic liver disease: a clinical study with a new Tc-99m-labeled hepatobiliary agent. Rao BK, et al. **Clin Nucl Med** 1981 Jul;6(7):289–94

Comparison of reticuloendothelial scans with bone scans in malignant disease. Shreiner DP, et al. **Clin Nucl Med** 1981 Mar;6(3):101–4

ULTRASTRUCTURE

Overview article: the articular territory of the reticuloendothelial system. Ghadially FN. **Ultrastruct Pathol** 1980 Apr–Jun;1(2):249–64 (52 ref.)

[Interdigitating cell. Cytomorphological characteristics and functional aspects (author's transl)] Klug H. **Dermatol Monatsschr** 1980 May;166(5):289–96 (20 ref.) (Eng. Abstr.) **(Ger)**

RETICULOENDOTHELIOSIS

Histiocytosis. Komp DM. **Am J Pediatr Hematol Oncol** 1981 Spring;3(1):43

Head and neck involvement with malignant histiocytosis: case report and literature review. Luedke SL, et al. **Laryngoscope** 1981 Jun;91(6):982–7

Malignant histiocytosis in adults: report of 7 patients from Northeast Italy. Carbone A, et al. **Med Pediatr Oncol** 1980; 8(3):265–74

ANALYSIS

A cytochemical and immunohistochemical approach to malignant histiocytosis. Carbone A, et al. **Cancer** 1981 Jun 15;47(12):2862–71

CLASSIFICATION

The histiocytic disorders: a pathophysiologic analysis. Groopman JE, et al. **Ann Intern Med** 1981 Jan;94(1):95–107 (208 ref.)

COMPLICATIONS

Sea-blue histiocytes in idiopathic thrombocytopenic purpura. The first report from the Indian subcontinent. Quadri MI, et al. **Acta Haematol (Basel)** 1980;64(5):294–6

Renal involvement in malignant histiocytosis. An immunoperoxidase marker study. Jothy S, et al. **Am J Clin Pathol** 1981 Aug;76(2):183–9

Pathogenesis of jaundice in histiocytic medullary reticulosis. A correlative scintigraphic, histologic and biochemical study. Gupta SM, et al. **Am J Gastroenterol** 1980 Jun; 73(6):500–2

Endocrine manifestations of histiocytosis. Braunstein GD, et al. **Am J Pediatr Hematol Oncol** 1981 Spring;3(1):67–75 (68 ref.)

Hemorrhagic diathesis associated with benign histiocytic, cytophagic panniculitis and systemic histiocytosis. Winkelmann RK, et al. **Arch Intern Med** 1980 Nov; 140(11):1460–3

Ichthyosis and marrow involvement in malignant histiocytosis of the intestine. McCann SR, et al. **Br J Haematol** 1981 Jun;48(2):281–5

Histiocytic medullary reticulosis with spinal cord compression at presentation. Veronesi A, et al. **Clin Oncol** 1980 Jun;6(2):187–90

Pericardial effusion in histiocytic medullary reticulosis [letter] Greenwood SM, et al. **JAMA** 1980 Oct 17;244(16):1784

Polymyositis associated with malignant histiocytosis. Perez-Jimenez F, et al. **JAMA** 1981 Sep 4;246(10):1120–1

Diffuse cutaneous involvement and sinus histiocytosis with massive lymphadenopathy. Woodcock AA, et al. **Postgrad Med J** 1980 Jul;56(657):521–5

Sideroblastic anaemia in association with malignant histiocytosis. Prentice RL, et al. **Scand J Haematol** 1981 Feb;26(2):145–8

Ocular and periocular features of multicentric reticulohistiocytosis with paraproteinaemia. A report of two cases. Buckley CA, et al.

Trans Ophthalmol Soc NZ 1981;33:143–6

Malignant histiocytosis associated with malabsorption. Hiçsönmez G, et al. **Turk J Pediatr** 1979 Apr–Oct; 21(2–4):57–9

[Malignant histiocytosis occurring in a patient with acute lymphocytic leukemia – clinical and postmortem observations in 1 case (author's transl)] Tan CX. **Chung Hua Nei Ko Tsa Chih** 1980 Apr;19(4):295–7 **(Chi)**

[Malignant histiocytosis as a cause of fever of unknown origin] Lins RL, et al. **Ned Tijdschr Geneeskd** 1981 Jan 31;125(5):195–9 (Eng. Abstr.) **(Dut)**

[Multicentric periungual and muscular reticulohistiocytosis] Barrière H, et al. **Ann Dermatol Venereol** 1980 Jul; 107(7):689–91 **(Fre)**

[Rosaï disease. One case in Togo (author's transl)] Bégué P, et al. **Ann Pediatr (Paris)** 1979 Oct;26(8):547–54 (Eng. Abstr.) **(Fre)**

[Malignant histiocytosis accompanied by hypogammaglobulinemia] Wysenbeek AJ, et al. **Harefuah** 1980 Dec 15;99(12):432–3 (Eng. Abstr.) **(Heb)**

[Neurological syndromes caused by hemoblastosis, including infectious and iatrogenic complications affecting the nervous system] Quattrin S, et al. **Acta Neurol (Napoli)** 1981 Feb;36(1):94–105 **(Ita)**

[Neurological syndromes caused by hemoblastosis, including the infectious and iatrogenic complications of the nervous system] Quattrin S, et al. **Acta Neurol [Quad] (Napoli)** 1981; 42:94–105 **(Ita)**

[Histiocytosis of the sinuses with massive lymphadenopathy] De Maurizi M, et al. **Pathologica** 1981 May–Jun; 73(1025):493–500 **(Ita)**

CONGENITAL

[Case reports of rare tumors in children] Ma Mascaró J. **Dermatologica** 1980;161 Suppl 1:52–9 **(Fre)**

DIAGNOSIS

Atypical malignant histiocytosis. Its appearance as a single meningeal tumor or as multiple skin tumors. Kojiro M, et al. **Arch Pathol Lab Med** 1981 Jun;105(6):317–21

Histiocytic hemophagocytosis [letter] Wick MR, et al. **Arch Pathol Lab Med** 1981 Feb;105(2):115

Multicentric reticulohistiocytosis: a review of eight cases. Catterall MD. **Clin Exp Dermatol** 1980 Sep;5(3):267–79

Neoplasms of the mononuclear phagocyte system: criteria for diagnosis. Glick AD, et al. **Invest Cell Pathol** 1980 Jul–Sep;3(3):259–79

Malignant histiocytosis in a newborn: report of a case. Anontapon S. **J Med Assoc Thai** 1981 Feb;64(2):99–104

Is histiocytic medullary reticulosis a fatal form of infectious mononucleosis? [letter] Mallick NP, et al. **Lancet** 1981 Jul 4;2(8236):43

Erythrophagocytic T gamma lymphoma: a clinicopathologic entity resembling malignant histiocytosis. Kadin ME, et al. **N Engl J Med** 1981 Mar 12;304(11):648–53

Syndrome mimicking histiocytic medullary reticulosis due to diphenylhydantion therapy. Hiçsönmez G, et al. **Turk J Pediatr** 1980 Jan–Apr;22(1–2):28–31

[Primary cerebral involvement in sarcomatosis of histiocytic reticulum cells (author's transl)] Heiss WD, et al. **Nervenarzt** 1980;51(12):737–42 **(Ger)**

[Paget-like reticulosis] Marghescu S, et al. **Z Hautkr** 1980 Oct 1;55(19):1283–7 **(Ger)**

[Clinico-immunological aspects of histiocytosis] Mazurek A, et al. **Wiad Lek** 1981 Jan 1;34(1):75–80 **(Pol)**

[Sinus histiocytosis in the differential diagnosis of a lymph node lesion in children] Potapova IN. **Arkh Patol** 1981; 43(4):26–9 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[A case of malignant histiocytosis: treatment of cutaneous involvement by bleomycin (author's transl)] Inoue M, et al. **Rinsho Ketsueki** 1980 Jul;21(7):977–83 (Eng. Abstr.) **(Jpn)**

ENZYMOLOGY

Nonspecific esterase activity in cancer cells in the marrow [letter] Yam LT, et al. **Hum Pathol** 1980 Nov;11(6):689–90

ETIOLOGY

Histiocytic medullary reticulosis associated with acute Epstein-Barr (EB) virus infection. Cohen RA, et al. **Am J Pediatr Hematol Oncol** 1980 Fall;2(3):245–8

Malignant histiocytosis as a sequel to lymphoblastic lymphoma [letter] Woodruff RD, et al. **Arch Pathol Lab Med** 1981 Jun;105(6):336–7

The role of hyperoxygenation in facilitating the induction of pulmonary histiocytosis by low doses of chlorphentermine. Kacew S, et al. **Experientia** 1980 Jun 15;36(6):673–5

Familial histiocytosis in offspring of two pregnancies after artificial insemination. Shapiro DN, et al. **N Engl J Med** 1981 Mar 26;304(13):757–9

Histiocytic medullary reticulosis complicating chronic lymphocytic leukaemia: malignant or reactive? Manoharan A, et al. **Scand J Haematol** 1981 Jan;26(1):5–13

FAMILIAL & GENETIC

Two cases of suspected familial erythrophagocytic lymphohistiocytosis. Lubin JR, et al. **Am J Ophthalmol** 1981 Jun;91(6):743–9

Clinical features of familial histiocytosis. Hsu TS, et al. **Am J Pediatr Hematol Oncol** 1981 Spring;3(1):61–5

Familial erythrophagocytic lymphohistiocytosis: treatment with vinblastine-loaded platelets. Woo SY, et al. **Cancer** 1980 Dec 15;46(12):2566–70

Familial erythrophagocytic lymphohistiocytosis in infancy. Gross-Kieselstein E, et al. **Eur J Pediatr** 1981 May; 136(2):223–5

[Familial erythrophagic lymphohistiocytosis. Report of a family case (author's transl)] Couselo JM, et al. **Sangre (Barc)** 1980;25(3):380–6 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Sinus histiocytosis with massive lymphadenopathy: virological, immunological and morphological studies. Karpas A, et al. **Br J Haematol** 1980 Jun;45(2):195–200

Heterophile antibody and histiocytic medullary reticulosis. Davson J, et al. **Clin Lab Haematol** 1981;3(1):77–84

Collagen phagocytosis in multicentric reticulohistiocytosis. Caputo R, et al. **J Invest Dermatol** 1981 May;76(5):342–6

[Sinus histiocytosis with massive lymphadenopathy: a new case in an adult with anti factor VIII antibody (author's transl)] Cortet P, et al. **Ann Med Interne (Paris)** 1980; 131(6):357–60 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Demyelination with hemophagocytic lymphohistiocytosis of the CNS. Miller CA, et al. **Acta Neuropathol (Berl)** 1981 Jun;54(2):153–5

The osseous manifestations of sinus histiocytosis with massive lymphadenopathy. Walker PD, et al. **Am J Clin Pathol** 1981 Feb;75(2):131–9

The pathology of 'histiocytosis'. Favara BE. **Am J Pediatr Hematol Oncol** 1981 Spring;3(1):45–56

Pulmonary involvement of malignant histiocytosis: a clinicopathologic spectrum. Colby TV, et al. **Am J Surg Pathol** 1981 Jan;5(1):61–73

Malignant histiocytosis: A light- and electron-microscopic and histochemical study. Risdall RJ, et al. **Am J Surg Pathol** 1980 Oct;4(5):439–50

Cutaneous involvement in malignant histiocytosis. Case report and review of the literature. Marshall ME, et al. **Arch Dermatol** 1981 May;117(5):278–81

Multicentric reticulohistiocytosis. Electron microscopic and ultracytochemical studies. Tani M, et al. **Arch Dermatol** 1981 Aug;117(8):495–9

Histiocytic medullary reticulosis following acute lymphoblastic leukemia. Starkie CM, et al. **Cancer** 1981 Feb 1;47(3):537–44

Immunohistochemical characterization of histiocytic tumours. Meister P, et al. **Diagn Histopathol** 1981 Jan–Mar; 4(1):79–87

Malignant histiocytosis of the intestine: the early histological lesion. Isaacson P. **Gut** 1980 May;21(5):381–6

Virus associated hemophagocytic syndrome. McKenna RW, et al. **Hum Pathol** 1981 May;12(5):395–8

Pagetoid reticulosis and solitary mycosis fungoides. Distinct clinicopathological entities. Jones RR, et al. **J Cutan Pathol** 1981 Feb;8(1):40–51

A peculiar case of malignant cerebral reticulosis: clinico-pathological study. Allegranza A, et al. **J Neurol** 1980;223(4):293–302

Cutaneous involvement by sinus histiocytosis with massive lymphadenopathy. Miller JA, et al. **J R Soc Med** 1980 Oct; 73(10):746–8

Malignant histiocytosis in children from the Eastern Mediterranean [letter] Chong SK, et al. **Med Pediatr Oncol** 1980;8(4):403–4

The electron microscopic features of sinus histiocytosis with massive lymphadenopathy: a study of 11 cases. Sanchez R, et al. **Ultrastruct Pathol** 1981 Apr–Jun;2(2):101–19

[Further understanding of pathological changes of malignant histiocytosis (author's transl)] Liu ZJ. **Chung Hua Nei Ko Tsa Chih** 1979;18(6):442–5 **(Chi)**

[Clinico-anatomic correlation at Pitié-Salpêtrière] Guillevin L, et al. **Ann Med Interne (Paris)** 1980;131(7):467–74 **(Fre)**

[Reticulohistiocytic tumors of the skin. New concepts] Orfanos CE, et al. **Hautarzt** 1980 Jun;31(6):297–307 (Eng. Abstr.) **(Ger)**

[Anatomo-clinical study of a case of malignant histiocytosis] Bertoli G, et al. **Pathologica** 1979 Nov–Dec; 71(1016):791–801 (Eng. Abstr.) **(Ita)**

[Multiple reticulohistiocytoma] Kalamkarian AA, et al. **Vestn Dermatol Venerol** 1980 Sep;(9):28–32 (Eng. Abstr.) **(Rus)**

[Malignant histiocytosis] Acosta de Croizet V. **Rev Med Chil** 1980 Mar;108(3):237–42 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Computed tomographic appearances in microgliomatosis. Thomson JL, et al. **Clin Radiol** 1981 Jul;32(4):367–74

THERAPY

Adriamycin and splenectomy in the treatment of histiocytic medullary reticulosis. Pizzuto J, et al. **Med Pediatr Oncol** 1980;8(1):41–6

ULTRASTRUCTURE

Sea-blue histiocytosis [letter] Alvarez-Sala JL, et al. **Arch Pathol Lab Med** 1980 Dec;104(12):655

Pagetoid reticulosis: a disease of histiocytic origin. Chu AC, et al. **Br J Dermatol** 1980 Aug;103(2):147–57

Cytological and functional characterization of three cases of malignant histiocytosis. Vilpo JA, et al. **Cancer** 1980 Oct 15;46(8):1795–801

Multicentric reticulohistiocytosis: report of two cases with ultrastructure, tissue culture and immunology studies. Coode PE, et al. **Clin Exp Dermatol** 1980 Sep;5(3):281–93

[Histiocytic medullary reticulosis (author's transl)] Ishibashi A, et al. **Nippon Hifuka Gakkai Zasshi** 1980;90(5):429–43 **(Jpn)**

VETERINARY

Reticulosis of the eyes and the central nervous system in a dog. Garmer NL, et al. **J Small Anim Pract** 1981 Jan; 22(1):39–45

[Muscular atrophy and paralysis of the hindlimbs in a case of 'granulomatous reticulosis' in a German shepherd dog] Olivieri M, et al. **Schweiz Arch Tierheilkd** 1981 May; 123(5):241–8 (Eng. Abstr.) **(Fre)**

RETICULOENDOTHELIOSIS, LEUKEMIC see **LEUKEMIA, HAIRY CELL**

RETICULOLYMPHOSARCOMA see **LYMPHOMA**

RETICULUM

[Bilateral atrioventricular valve endocarditis in a cow as metastasis of reticuloperitonitis caused by a foreign body] Schiele R. **DTW** 1981 Feb 5;88(2):70–1 **(Ger)**

INJURIES

[2 new tests for diagnosing traumatic reticuloperitonitis in cattle] Ivanov I, et al. **Vet Med Nauki** 1980;17(5):67–72 (Eng. Abstr.) **(Bul)**

[Liver function in cows with traumatic inflammation of the reticulum and peritoneum after rumenotomy] Czerwonka B. **Pol Arch Weter** 1980;22(3):373–96 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

The effect of holding periods at the meat works on carcase weights and nature and weights of ruminoreticulum contents of sheep and lambs. Petersen GV, et al. **NZ Vet J** 1981 Mar;29(3):22–5

RETICULUM CELL-LIKE SARCOMA, YOSHIDA see **SARCOMA, YOSHIDA**

RETICULUM CELL SARCOMA see **SARCOMA, RETICULUM CELL**

RETINA

see related
ANGIOID STREAKS
ELECTRORETINOGRAPHY

The indicator extraction technique. A method for studying the blood-retinal barriers. Törnquist P. **Adv Exp Med Biol** 1980;131:105–12

Angioma-like lesion in hemoglobin sickle cell disease. Galinos SO, et al. **Ann Ophthalmol** 1979 Oct;11(10):1549–52

Drainage of subretinal fluid. Berrocal J. **Dev Ophthalmol** 1981;2:59–60

Format-filled detail photographs with the Kowa RC-W retinal camera. Aan de Kerk A, et al. **Ophthalmologica** 1980;181(1):1–6

Application of atomic absorption spectrometry for the study of the subretinal fluid. Starzycka M, et al. **Ophthalmologica** 1980;180(6):340–3

Effects of pulsed ultrasound on ocular tissue. Lizzi FL, et al. **Ultrasound Med Biol** 1981;7(3):245–52

[Fluorescence angiography findings in hemangioma cavernosa of the retina and optic nerve disk] Svěrák J, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1980;23(2):211–35 (Eng. Abstr.) **(Ger)**

ABNORMALITIES

Retinal anomalies in trisomy 18. Fulton AB, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 213(3):195–205

Congenital retinal fold as a sign of dominant exudative vitreoretinopathy. van Nouhuys CE. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 217(1):55–67

Congenital pits of the optic nerve head and retinochoroidal colobomas. Brown GC, et al. **Can J Ophthalmol** 1980 Jul; 15(3):144–6

The Joubert syndrome associated with bilateral chorioretinal coloboma. Lindhout D, et al. **Eur J Pediatr** 1980 Aug; 134(2):173–6

Doyne Memorial Lecture, 1979. Retinal malformations: aetiological heterogeneity and morphological similarity in congenital retinal non-attachment and falciform folds. Warburg M. **Trans Ophthalmol Soc UK** 1979 Jul; 99(2):272–83

Retinal dysplasia in the dog and cat. MacMillan A.

Vet Clin North Am [Small Anim Pract] 1980 May; 10(2):411–5 (15 ref.)

[Congenital retinal folds] Toussaint D, et al.
Bull Soc Belge Ophtalmol 1979 Feb 17;184:119–34 **(Fre)**

[Hereditary microcephaly with autosomal dominant chorioretinal dysplasia (author's transl)] Alzial C, et al.
Sem Hop Paris 1981 Jan 8–15;57(1–2):43–6 (Eng. Abstr.) **(Fre)**

[Incontinentia pigmenti (Block–Sulzberger syndrome) associated with congenital retinal fold—a long–term 18–year observation] Fried M, et al.
Klin Monatsbl Augenheilkd 1980 Jan;176(1):44–9 (Eng. Abstr.) **(Ger)**

ANALYSIS

Rental projections in the adult Xenopus laevis: a study with cobalt filling technique. Tóth P, et al.
Acta Morphol Acad Sci Hung 1980;28(4):365–74

Lipoproteins in human subretinal fluids. Lam KW, et al.
Arch Ophthalmol 1980 Oct;98(10):1847–9

Photoacoustic spectroscopy of cattle visual pigment at low temperature. Boucher F, et al.
Biochem Biophys Res Commun 1981 May 15;100(1):385–90

Immunoreactive and biologically active somatostatin–like material in the human retina. Rorstad OP, et al.
Brain Res 1980 Oct 20;199(2):488–92

Monoaminergic neurons of the mudpuppy retina. Adolph A, et al. **Cell Tissue Res** 1980;210(2):269–82

VIP (vasoactive intestinal polypeptide)–immunoreactive neurons in the retina of the rat. Lorén I, et al.
Cell Tissue Res 1980;210(1):167–70

Immunohistochemical evidence for the presence of melatonin in the pineal gland, the retina and the Harderian gland. Vivien–Roels B, et al. **Cell Tissue Res** 1981;217(1):105–15

Localization and characterization of dopamine receptors within two synaptosome fractions of rabbit and bovine retina. Redburn DA, et al. **Exp Eye Res** 1980 Jun; 30(6):699–708

Identification of dopamine receptors in the rat retina. Schaeffer JM. **Exp Eye Res** 1980 Apr;30(4):431–7

Peptide–containing neurons in the chicken retina. Tornqvist K, et al. **Exp Eye Res** 1981 Jul;33(1):55–64

Effect of sodium dichloroacetate (DCA) on retinal lactate level in diabetic rat. Loubatières–Mariani MM, et al.
Horm Metab Res 1981 Apr;13(4):239

Cyclic nucleotides of cone–dominant retinas. Reduction of cyclic AMP levels by light and by cone degeneration. Farber DB, et al. **Invest Ophthalmol Vis Sci** 1981 Jan; 20(1):24–31

Cyclic nucleotides vary by area in the retina and pigmented epithelium of the human and monkey. Newsome DA, et al. **Invest Ophthalmol Vis Sci** 1980 Aug;19(8):864–9

The relationship between visual sensitivity and rhodopsin density in retinitis pigmentosa. Perlman I, et al.
Invest Ophthalmol Vis Sci 1981 Jun;20(6):758–65

Thyrotropin–releasing hormone–like material in human retina. Martino E, et al. **J Endocrinol Invest** 1980 Jul–Sep; 3(3):267–71

Recent LAMMA studies of physiological cation distributions in retina tissues. Kaufmann R. **Scan Electron Microsc** 1980; (Pt 2):641–6

Comparison of the pineal complex, retina and cerebrospinal fluid contacting neurons by immunocytochemical antirhodopsin reaction. Vigh–Teichmann I, et al.
Z Mikrosk Anat Forsch 1980;94(4):623–40

ANATOMY & HISTOLOGY

Retinofugal projections of an echolocating megachiropteran. Cotter JR. **Am J Anat** 1981 Feb;160(2):159–74

Thickness of the retinal nerve fiber layer in primate eyes. Radius RL. **Arch Ophthalmol** 1980 Sep;98(9):1625–9

The architecture of the avian retina following exposure to chronic 2 G. Orlando RG, et al.
Aviat Space Environ Med 1980 Jul;51(7):704–8

Retinal efferents from the pretectal area in the rat. Itaya SK.
Brain Res 1980 Nov 17;201(2):436–41

The pretectal complex in the opossum: projections from the striate cortex and correlation with retinal terminal fields. Linden R, et al. **Brain Res** 1981 Mar 2;207(2):267–77

Electron microscopic identification of axon terminals of retinopretectal fibers in the cat by a combined horseradish peroxidase and tritiated amino acids tracing method. Nakamura Y, et al. **Brain Res** 1981 May 11;212(1):127–30

The retinofugal pathways in the primitive African bony fish Polypterus senegalus (Cuvier, 1829). Repérant J, et al.
Brain Res 1981 Aug 3;217(2):225–43

Neonatal enucleation induces an asymmetric pattern of visual callosal connections in hamsters. Rhoades RW, et al.
Brain Res 1980 Nov 24;202(1):189–95

Retinal projection to a rotated tectal reimplant following long–term tectal denervation in adult goldfish. Romeskie M, et al. **Brain Res** 1980 Nov 10;201(1):202–5

Mapping retinal projections from double nasal and double temporal compound eyes to dually innervated tectum in Xenopus. Straznicky C. **Brain Res** 1981 Apr;227(2):139–52

Primary and secondary subcortical projections of the monkey visual system. An autoradiographic study. Tokunaga A, et al. **Brain Res** 1981 Jun 9;214(1):137–43

A demonstration of several independent, partially overlapping, retinotopic maps in the optic tract of the cat. Torrealba F, et al. **Brain Res** 1981 Aug 31;219(2):428–32

Retinal projections in the electric catfish (Malapterurus electricus). Ebbesson SO, et al. **Cell Tissue Res** 1980; 213(3):497–503

Bilateral retinal projections in the black piranha (Serrasalnus niger). Ebbesson SO, et al. **Cell Tissue Res** 1980; 213(3):483–95

Terminal distribution of retinal fibers in the tegu lizard (Tupinambis nigropunctatus). Ebbesson SO, et al.
Cell Tissue Res 1981;215(3):591–606

Retinal projections in European Salamandridae. Fritzsch B.
Cell Tissue Res 1980;213(2):325–41

Organization of the retinofugal fibers to the dorsal lateral geniculate nucleus of Pteropus giganteus. Pentney RP, et al. **Exp Brain Res** 1981;41(3–4):427–30

An experimental electron microscopical study of a direct retino–pulvinar pathway in the tree shrew. Somogyi G, et al. **Exp Brain Res** 1981;43(3–4):447–50

Evaluation of distribution of retinal afferents within the suprachiasmatic area (ASC): a quantitative approach. Mai JK, et al. **Folia Morphol (Praha)** 1981;29(1):95–9

Retinal recipient nuclei in the painted turtle, Chrysemys picta: an autoradiographic and HRP study. Bass AH, et al. **J Comp Neurol** 1981 Jun 10;199(1):97–112

Identification and distribution of retinocollicular terminals in the cat: an electron microscopic autoradiographic analysis. Behan M. **J Comp Neurol** 1981 Jun 10;199(1):1–15

The aberrant retino–retinal projection during optic nerve regeneration in the frog. I. Time course of formation and cells of origin. Bohn RC, et al. **J Comp Neurol** 1981 Mar 10;196(4):605–20

The aberrant retino–retinal projection during optic nerve regeneration in the frog. III. Effects of crushing both nerves. Bohn RC, et al. **J Comp Neurol** 1981 Mar 10; 196(4):633–43

The aberrant retino–retinal projection during optic nerve regeneration in the frog. II. Anterograde labeling with horseradish peroxidase. Bohn RC, et al. **J Comp Neurol** 1981 Mar 10;196(4):621–32

The distribution of neurons projecting from the retina and visual cortex to the thalamus and tectum opticum of the barn owl, Tyto alba, and the burrowing owl, Speotyto cunicularia. Bravo H, et al. **J Comp Neurol** 1981 Jul 1; 199(3):419–41

Regional variation in the representation of the visual field in the visual cortex of the Siamese cat. Cooper ML, et al. **J Comp Neurol** 1980 Sep 1;193(1):237–53

Origins of crossed and uncrossed retinal projections in pigmented and albino mice. Dräger UC, et al.
J Comp Neurol 1980 Jun;191(3):383–412

An analysis of the retinal afferents to the cat's medial interlaminar nucleus and to its rostral thalamic extension, the 'geniculate wing'. Guillery RW, et al.
J Comp Neurol 1980 Nov 1;194(1):117–42

Topography of retinal representation in the rabbit cortex: an experimental study using transneuronal and retrograde tracing techniques. Holländer H, et al. **J Comp Neurol** 1980 Oct 1;193(3):701–10

Two visual pathways to the telencephalon in the nurse shark (Ginglymostoma cirratum). II. Ascending thalamo–telencephalic connections. Luiten PG.
J Comp Neurol 1981 Mar 10;196(4):539–48

Two visual pathways to the telencephalon in the nurse shark (Ginglymostoma cirratum). I. Retinal projections. Luiten PG. **J Comp Neurol** 1981 Mar 10;196(4):531–8

Goldfish retinotectal system: continuing development and synaptogenesis. Marotte LR. **J Comp Neurol** 1980 Sep 15; 193(2):319–34

Direct retinal projections to the hypothalamus, piriform cortex, and accessory optic nuclei in the golden hamster as demonstrated by a sensitive anterograde horseradish peroxidase technique. Pickard GE, et al.
J Comp Neurol 1981 Feb 10;196(1):155–72

Efferent tectal pathways in two chondrichthyans, the shark Scyliorhinus canicula and the ray Raja clavata. Smeets WJ.
J Comp Neurol 1981 Jan 1;195(1):13–23

Retinofugal pathways in two chondrichthyans, the shark Scyliorhinus canicula and the ray Raja clavata. Smeets WJ.
J Comp Neurol 1981 Jan 1;195(1):1–11

Normal and abnormal retinal projections following the crush of one optic nerve in goldfish (Carassius auratus). Springer AD. **J Comp Neurol** 1981 Jun 10;199(1):87–95

The topography of primate retina: a study of the human, bushbaby, and new– and old–world monkeys. Stone J, et al. **J Comp Neurol** 1981 Feb 20;196(2):205–23

Retinotopic organization of areas 20 and 21 in the cat. Tusa RJ, et al. **J Comp Neurol** 1980 Sep 1;193(1):147–64

Retinotopic organization of striate and extrastriate visual cortex in the mouse. Wagor E, et al. **J Comp Neurol** 1980 Sep 1;193(1):187–202

Retinal projections in lamprey (Lampetra fluviatilis). Kosareva AA. **J Hirnforsch** 1980;21(3):243–56

Observations on the lateral geniculate nucleus of the monkey (Macaca fasicularis) after eye removal: a light and electron microscopic study. II. Axonal and dendritic degeneration. Novotny GE. **J Hirnforsch** 1980;21(3):227–42

Observations on the lateral geniculate nucleus of the monkey (Macaca fascicularis) after eye removal: a light and electron microscopic study. III. Glial reactions. Novotny GE.
J Hirnforsch 1980;21(5):543–60

A note on the reciprocal connections between the retina and the brain in the puffer fish Tetraodon fluviatilis. Meyer DL, et al. **Neurosci Lett** 1981 May 6;23(2):111–5

Guitarfish possess ipsilateral as well as contralateral retinofugal projections. Northcutt RG, et al.
Neurosci Lett 1980 Dec;20(3):237–42

A statistical analysis and comparison of soma diameter spectra for classical neurones from different regions of the cat retinal ganglion cell layer. Hughes A, et al.
Pfluegers Arch 1980 Dec;388(3):239–42

[Histology of the chorioretina] Missotten L.
Annee Ther Clin Ophtalmol 1979;30:23–36 (Eng. Abstr.) **(Fre)**

[Posterior hyaloid in the retinol periphery] Eisner G.
Bull Mem Soc Fr Ophtalmol 1980;92:27–8 **(Fre)**

[Ophthalmoscopy and the retinal periphery. Historical summaries] Amalric P. **Bull Soc Ophtalmol Fr** 1980 Jun–Jul; 80(6–7):595–7 (Eng. Abstr.) **(Fre)**

[Distribution of retinal tears in relation to rupturing peripheral degenerative lesions] Bec P, et al.
Bull Soc Ophtalmol Fr 1980 Oct;80(10):867–9 **(Fre)**

BLOOD SUPPLY

Narrow–band (540NM) green–light stereoscopic photography of the surface details of the peripapillary retina. Manor RS, et al. **Am J Ophthalmol** 1981 Jun; 91(6):774–80

Presence of glycosaminoglycans in retinal capillary basement membrane. Cohen MP, et al. **Biochim Biophys Acta** 1981 May 18;674(3):400–6

Potential sources of emboli in patients with presumed transient cerebral or retinal ischaemia. de Bono DP, et al.
Lancet 1981 Feb 14;1(8216):343–6

Argon laser photocoagulation of subretinal neovascular membranes. Little HL, et al. **Trans Am Ophthalmol Soc** 1980;78:167–89

[The ora serrata, yesterday and today] Amalric P.
Bull Mem Soc Fr Ophtalmol 1980;92:208–13 **(Fre)**

[Multiple ischemic infarction in the retina and uvea due to crystalline corticosteroid embolisms following subcutaneous facial infections (author's transl)] Kröner B.
Klin Monatsbl Augenheilkd 1981 Feb;178(2):121–3 (Eng. Abstr.) **(Ger)**

CYTOLOGY

Cells accumulating 3h–glycine in the goldfish retina. Ehinger B. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 217(1):1–7

Myelinated retinal nerve fibers. Straatsma BR, et al.
Am J Ophthalmol 1981 Jan;91(1):25–38

Neuronal cells and types of contacts in the owl's retina. Yew DT. **Anat Anz** 1980;147(3):255–9

The morphology of the visual cells of young (2 1/2 months) and old (17 months) albino mice. Yew DT, et al.
Anat Anz 1980;148(4):333–6

Ganglionic cell distribution in the central area of the beagle dog retina. Krinke A, et al. **Anat Histol Embryol** 1981; 10(1):26–35

An immunohistochemical study of the Müller cells of the chicken retina. Ikeda A, et al. **Arch Histol Jpn** 1980 May; 43(2):175–83

Human massive periretinal proliferation. In vitro characteristics of cellular components. Newsome DA, et al. **Arch Ophthalmol** 1981 May;99(5):873–80

New technique for in vitro culture of human retinal pigment epithelium. Del Monte MA, et al. **Birth Defects** 1980; 16(2):327–38

Conduction velocities of rat retinal ganglion cells with uncrossed axons. Hale PT. **Brain Res** 1980 Nov 17; 201(2):442–5

Identification of the interplexiform cell in the dace retina by dye–injection method. Hashimoto Y, et al.
Brain Res 1980 Sep 22;197(2):331–40

Different distribution of large and small retinal ganglion cells in the cat after HRP injections of single layers of the lateral geniculate body and the superior colliculus. Itoh K, et al.
Brain Res 1981 Feb 23;207(1):147–52

The shift–effect enhances X– and suppresses Y–type response characteristics of cat retinal ganglion cells. Krüger J.
Brain Res 1980 Nov 10;201(1):71–84

Identification of cells in retinal transplants which project to host visual centers: a horseradish peroxidase study in rats. McLoon SC, et al. **Brain Res** 1980 Sep 22;197(2):491–5

Transneuronal retrograde degeneration in the cat retina following neonatal ablation of visual cortex. Pearson HE, et al. **Brain Res** 1981 May 18;212(2):470–5

Different regional specializations of neurons in the ganglion cell layer and inner plexiform layer of the California horned shark, Heterodontus francisci. Peterson EH, et al.
Brain Res 1980 Nov 10;201(1):195–201

Autoradiographic localization of [3H]muscimol in the cat retina. Pourcho RG. **Brain Res** 1981 Jun 29;215(1–2):187–99

Uptake of [3H]glycine and [3H]GABA by amacrine cells in the cat retina. Pourcho RG. **Brain Res** 1980 Oct 6; 198(2):33–46

A projection of displaced ganglion cells and giant ganglion cells to the accessory optic nuclei in turtle. Reiner A.
Brain Res 1980 Jan 21;204(2):403–9

Outgrowth and maintenance of neurites from cultured goldfish retinal ganglion cells. Schwartz M, et al.
Brain Res 1981 Feb 16;206(2):331–43

Neurites from mouse retina and dorsal root ganglion explants show specific behavior within co–cultured tectum or spinal cord. Smalheiser NR, et al. **Brain Res** 1981 Mar 16;

208(2):499–505
Retinal ganglion cell response to axotomy and nerve growth factor antiserum treatment in the regenerating visual system of the goldfish (Carassius auratus): an in vivo and in vitro analysis. Turner JE, et al. **Brain Res** 1980 Jan 21; 204(2):283–94
Differential distribution of different classes of Necturus retinal ganglion cells. Tuttle JR. **Brain Res** 1981 Apr 6; 210(1–2):373–8
Almost all ganglion cells in the rabbit retina project to the superior colliculus. Vaney DI, et al. **Brain Res** 1981 May 18;212(2):447–53
Lentoids in aggregates of embryonic neural retina cells. Moscona AA, et al. **Cell Differ** 1981 Jan;10(1):39–46
Age-dependent changes in the capacity of transdifferentiation of retinal pigment cells as revealed in clonal cell culture. Yasuda K, et al. **Cell Differ** 1981 Jan; 10(1):3–11
Structural alterations of tapetal cells in the retina of cats induced by prolonged treatment with chloroquine. Kuhn H, et al. **Cell Tissue Res** 1981;215(2):263–9
Retinal ganglion cell death and regeneration of abnormal retinotectal projections after removal of a segment of optic nerve in Xenopus tadpoles. Beazley LD. **Dev Biol** 1981 Jul 15;85(1):164–70
Beta- and gamma-crystallin synthesis in rat lens epithelium explanted with neural retinal. McAvoy JW. **Differentiation** 1980;17(2):85–91
Expression of neuronal specificities in 'transdifferentiating' cultures of neural retina. Nomura K, et al. **Differentiation** 1980 Jun;16(3):141–7
In vitro studies on differentiation of the optic stalk in the chick embryo. Ulshafer RJ, et al. **Differentiation** 1980 Jun; 16(3):189–91
The size and shape of rod and cone centres of cat retinal ganglion cells. Ahmed B. **Exp Brain Res** 1981;43(3–4):422–8
Insensitivity of peripheral vision to spatial phase. Hilz R, et al. **Exp Brain Res** 1981;43(1):111–4
Critical flicker fusion in Siamese cats. Loop MS, et al. **Exp Brain Res** 1981;43(1):65–8
The morphological correlates of X- and Y-like retinal ganglion cells in the retina of monkeys. Perry VH, et al. **Exp Brain Res** 1981;43(2):226–8
Abnormal responses of retinal ganglion cells in Siamese cats to moving stimuli. Shansky MS, et al. **Exp Brain Res** 1981; 43(1):57–64
Compressed retinotectal projection in hamsters: fewer ganglion cells project to tectum after neonatal tectal lesions. Udin SB, et al. **Exp Brain Res** 1981;43(3–4):261–9
Spatial density of catecholaminergic cells in the carp retina. Negishi K, et al. **Exp Eye Res** 1980 Dec;31(6):711–9
Ganglion cell distribution in teh albino rabbit's retina. Choudhury BP. **Exp Neurol** 1981 Jun;72(3):638–44
The possibility of centrifugal projections to the retina in the rat. Ohno T. **Experientia** 1980 Dec 15;36(12):1400–1
Ganglion cell distribution in the retina of the mouse. Dräger UC, et al. **Invest Ophthalmol Vis Sci** 1981 Mar;20(3):285–93
Outward movement of photoreceptor cells in normal rat retina. Lai YL. **Invest Ophthalmol Vis Sci** 1980 Aug; 19(8):849–56
Photoreceptor characteristics in congenic strains of RCS rats. LaVail MM. **Invest Ophthalmol Vis Sci** 1981 May; 20(5):671–5
Separation of cell subpopulations from embryonic chick neural retina with fluorescence-activated cell sorting. Rathjen FG, et al. **J Biochem Biophys Methods** 1981 Mar; 4(3–4):191–207
Topographic and morphometric effects of bilateral embryonic eye removal on the optic tectum and nucleus isthmus of the leopard frog. Constantine-Paton M, et al. **J Comp Neurol** 1981 Mar 10;196(4):645–61
Fluorescence and electron microscopical observations on the amine-accumulating neurons of the cebus monkey retina. Dowling JE, et al. **J Comp Neurol** 1980 Aug 15; 192(4):665–85
Regional specialization of the chick retina as revealed by the size and density of neurons in the ganglion cell layer. Ehrlich D. **J Comp Neurol** 1981 Feb 1;195(4):643–57
Golgi-impregnated amacrine cells and GABAergic retinal neurons: a comparison of dendritic, immunocytochemical and histochemical stratification in the inner plexiform layer of rat retina. Famiglietti EV Jr, et al. **J Comp Neurol** 1981 Mar 20;197(1):129–39
Displaced ganglion cells and the accessory optic system of pigeon. Fite KV, et al. **J Comp Neurol** 1981 Jan 10; 195(2):279–88
Rod and cone inputs to bipolar cells in goldfish retina. Ishida AT, et al. **J Comp Neurol** 1980 Jun;191(3):315–35
Postnatal development of dopaminergic cells in the rat retina. Kato S, et al. **J Comp Neurol** 1980 May 15;191(2):27–36
The afferent ganglion cells and cortical projections of the retinal recipient zone (RRZ) of the cat's pulvinar complex'. Leventhal AG, et al. **J Comp Neurol** 1980 Dec 1; 194(3):535–54
A diffuse, invaginating cone bipolar cell in primate retina. Mariani AP. **J Comp Neurol** 1981 Apr 20;197(4):661–71
Regional specialization in retinal ganglion cell projection to optic tectum of Dipsosaurus dorsalis (Iguanidae). Peterson EH. **J Comp Neurol** 1981 Feb 20;196(2):225–52
Histogenesis of the goldfish retina. Sharma SC, et al. **J Comp Neurol** 1980 Jun;191(3):373–82
The distribution and sizes of ganglion cells in the retinas of five Australian marsupials. Tancred E. **J Comp Neurol** 1981 Mar 10;196(4):585–603
Matching populations of amacrine cells in the inner nuclear and ganglion cell layers of the rabbit retina. Vaney DI, et al. **J Comp Neurol** 1981 Jul 1;199(3):373–91
GABAergic amacrine cells in rat retina: immunocytochemical identification and synaptic connectivity. Vaughn JE, et al. **J Comp Neurol** 1981 Mar 20;197(1):113–27
Phase of responses to moving sinusoidal gratings in cells of cat retina and lateral geniculate nucleus. Lee BB, et al. **J Neurophysiol** 1981 May;45(5):807–17
Localization of kainic acid-sensitive cells in mammalian retina. Hampton CK, et al. **J Neurosci Res** 1981;6(1):99–111
Spatial distribution of catecholaminergic cells in the fish retina. Negishi K, et al. **J Neurosci Res** 1980;5(6):621–35
Suppression of cat retinal ganglion cell responses by moving patterns. Enroth-Cugell C, et al. **J Physiol (Lond)** 1980 May;302:49–72
The contrast sensitivity of cat retinal ganglion cells at reduced oxygen tensions. Enroth-Cugell C, et al. **J Physiol (Lond)** 1980 Jul;304:59–81
The effect of contrast on the non-linear response of the Y cell. Shapley RM, et al. **J Physiol (Lond)** 1980 May; 302:535–47
Modeling of the vertebrate visual system. I. Wiring diagram of the cone retina. Siminoff R. **J Theor Biol** 1980 Oct 21; 86(4):673–708
Projection patterns of single physiologically characterized optic tract fibres in cat. Bowling DB, et al. **Nature** 1980 Aug 28;286(5776):899–902
Relationship between crystallin mRNA expression in retina cells and their capacity to re-differentiate into lens cells. Clayton RM, et al. **Nature** 1979 Dec 6;282(5739):628–9
Dendritic territories of cat retinal ganglion cells. Wässle H, et al. **Nature** 1981 Jul 23;292(5821):344–5
Demonstration of a substance P-like immunoreactivity in retinal cells of the rat. Fukuda M, et al. **Neurosci Lett** 1981 May 29;23(3):239–42
Microglia in the retina of monkey and other mammals: its distinction from other types of glia and horizontal cells. Boycott BB, et al. **Neuroscience** 1981;6(4):679–88
Neurotensin-like and somatostatin-like immunoreactivity within amacrine cells of the retina. Brecha N, et al. **Neuroscience** 1981;6(7):1329–40
Somatostatin-like immunoreactivity in amacrine cells of the chicken retina. Buckerfield M, et al. **Neuroscience** 1981; 6(4):689–95
Evidence for an amacrine cell system in the ganglion cell layer of the rat retina. Perry VH. **Neuroscience** 1981; 6(5):931–44
A topographic gradient of molecules in retina can be used to identify neuron position. Trisler GD, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2145–9
Morphological identification of on- and off-centre brisk transient (Y) cells in the cat retina. Peichl L, et al. **Proc R Soc Lond [Biol]** 1981 May 22;212(1187):139–53
Amacrine cells, displaced amacrine cells and interplexiform cells in the retina of the rat. Perry VH, et al. **Proc R Soc Lond [Biol]** 1980 Jul 17;208(1173):415–31
Morphology and topography of on- and off-alpha cells in the cat retina. Wässle H, et al. **Proc R Soc Lond [Biol]** 1981 May 22;212(1187):157–75
Morphology and mosaic of on- and off-beta cells in the cat retina and some functional considerations. Wässle H, et al. **Proc R Soc Lond [Biol]** 1981 May 22;212(1187):177–95
Quantification of horizontal cells in the domestic cat retina. Wässle H, et al. **Prog Brain Res** 1979;51:373–88
Substance P activity in the bullfrog retina: localization and identification in several vertebrate species. Eskay RL, et al. **Science** 1981 May 29;212(4498):1049–50
Retinal ganglion cell classes in the Old World monkey: morphology and central projections. Leventhal AG, et al. **Science** 1981 Sep 4;213(4512):1139–42
Electroretinographic responses to alternating gratings before and after section of the optic nerve. Mafei L, et al. **Science** 1981 Feb 27;211(4485):953–5
Hematoxylin toluidine blue-phloxinate staining of glycol methacrylate sections of retina and other tissues. Turner KW. **Stain Technol** 1980 Jul;55(4):229–33
The size and topographic arrangement of retinal ganglion cells in the galago. DeBruyn EJ, et al. **Vision Res** 1980; 20(4):315–27
Class I retinal ganglion cells in the toad, Bufo spinulosus. Guiloff GD. **Vision Res** 1980;20(6):549–51
A light microscopic study of the bifoveate retina in the lizard Anolis carolinensis: general observations and convergence ratios. Makaretz M, et al. **Vision Res** 1980;20(8):679–86
A class of catfish amacrine cells responds preferentially to objects which move vertically. Naka KI. **Vision Res** 1980; 20(11):961–5
Phenotypic expression of embryonic neural retinal cells in cell culture. Okada TS. **Vision Res** 1981;21(1):83–6
The internal horizontal cells of the frog retina: a morphometric analysis. Pierantoni R, et al. **Vision Res** 1980; 20(9):761–6
Movement sensitivity of retinal ganglion cells in monkey. Scobey RP. **Vision Res** 1981;21(2):181–90
[Morphology of the giant nerve cells in the bovine retina. Study of silver-impregnated total specimen] Hebel R. **Z Mikrosk Anat Forsch** 1980;94(3):521–30 (Eng. Abstr.) **(Ger)**
[The ipsilateral optic tracts in the rat. – I) Area of retinal origin] Cowey A, et al. **Boll Soc Ital Biol Sper** 1979 Feb 28;55(4):287–91 (Eng. Abstr.) **(Ita)**
[Number of retinal ganglion cells and visual discriminative performance in split-chiasma rats] Franzini C. **Boll Soc Ital Biol Sper** 1980 Feb 29;56(4):391–5 (Eng. Abstr.) **(Ita)**
[A quantitative analysis of ganglion cells projecting to lateral geniculate body in the cat. Retrograde fluorescent double labelling study (author's transl)] Terao N. **Nippon Ganka Gakkai Zasshi** 1980 Sep 10;84(9):1129–35 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Electroretinography (ERG) as a tool of investigation in human psychopharmacology. Electroretinographic changes induced by a combination of carbi-dopa and levo-dopa. Fornaro P, et al. **Acta Neurol (Napoli)** 1980 Aug;35(4):293–9
Effect of barbiturates and benzodiazepines on local kainate toxicity in the striatum and in the retina. Di Chiara G, et al. **Adv Biochem Psychopharmacol** 1981;27:355–73
Etomidate induced retinal changes. Antal M. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 215(3):193–201
Effects of intraocular irrigating solutions on the electroretinographic b-wave. Negi A, et al. **Am J Ophthalmol** 1981 Jul;92(1):28–37
Retinal toxicity of methylazoxymethanol acetate is developmentally specific. Eiden LE, et al. **Brain Res** 1981 Jun;227(3):425–8
Kainic acid-induced lesion of rat retina: differential effect on cyclic GMP and benzodiazepine and GABA receptors. Guarneri P, et al. **Brain Res** 1981 Mar 23;209(1):216–20
Dual effect of glutamate and aspartate on the on-center bipolar cell in the carp retina. Kondo H, et al. **Brain Res** 1980 Oct 13;199(1):240–3
The effects of strychnine and bicuculline on the responses of X- and Y-cells of the isolated eye-cut preparation of the cat. Saito H. **Brain Res** 1981 May 11;212(1):243–8
Retinal ganglion cell response to nerve growth factor in the regenerating and intact visual system of the goldfish (Carassius auratus). Turner JE, et al. **Brain Res** 1980 Sep 22;197(2):319–30
The role of melatonin and dopamine in retinal physiology. Bubenik GA, et al. **Can J Physiol Pharmacol** 1980 Dec; 58(12):1457–62
VIP-and glucagon-induced formation of cyclic AMP in intact retinae in vitro. Schorderet M, et al. **Eur J Pharmacol** 1981 Apr 24;71(1):131–3
Effects of monosodium glutamate on the isolated retina of the chick embryo as a function of age: a morphological study. Blanks JC, et al. **Exp Eye Res** 1981 Jan;32(1):105–24
High-affinity uptake of [3H]taurine in isolated cat retinas: effects of Na+ and K+. Schmidt SY. **Exp Eye Res** 1980 Oct;31(4):373–9
Influence of fatty acids and an oral contraceptive on the eyes of a nonhuman primate. O'Steen WK, et al. **Exp Mol Pathol** 1981 Feb;34(1):43–51
The effects of iodate and iodoacetate on the retinal adhesion. Ashburn FS Jr, et al. **Invest Ophthalmol Vis Sci** 1980 Dec; 19(12):1427–32
Influence of chlorpromazine on the rabbit electroretinogram. Jagadeesh JM, et al. **Invest Ophthalmol Vis Sci** 1980 Dec; 19(12):1449–56
The effect of metabolic inhibitors on retinal adhesion and subretinal fluid resorption. Marmor MF, et al. **Invest Ophthalmol Vis Sci** 1980 Aug;19(8):893–903
Sensitivity of photoreceptors to elevated levels of cGMP in the human retina. Ulshafer RJ, et al. **Invest Ophthalmol Vis Sci** 1980 Oct;19(10):1236–41
Drug-induced changes in catecholaminergic cells of the fish retina. Negishi K, et al. **J Neurosci Res** 1980;5(6):599–609
Neuroleptic drugs activate tyrosine hydroxylase of retinal amacrine cells. Cohen J, et al. **J Pharmacol Exp Ther** 1981 Aug;218(2):390–4
A modified isolated retina-nerve preparation for pharmacological analysis of mammalian photoreceptor function. Wolf B, et al. **J Pharmacol Methods** 1980 Nov; 4(3):261–71
The effect of cysteate, a precursor of taurine, on the electroretinogram of the frog retina. Ando H. **Kobe J Med Sci** 1980 Sep;26(3):207–10
The effect of sodium hydroxybutyrate solutions on the oxygenation processes in eye tissues and retina potentials. Zaretskaya RB, et al. **Metab Pediatr Ophthalmol** 1980; 4(4):201–4
Regeneration of retinal pigment epithelium damaged in rat foetuses by 6-aminonicotinamide. Sandor S, et al. **Morphol Embryol (Bucur)** 1981 Jan-Mar;27(1):11–3
Kainic acid affects both plexiform layers of chicken retina. Morgan IG, et al. **Neurosci Lett** 1981 Feb 6;21(3):275–80
Retinal benzodiazepine receptors are destroyed by kainic acid lesions. Willow M, et al. **Neurosci Lett** 1980 Nov; 20(2):147–52
Effect of alpha-bungarotoxin on retinotectal synaptic transmission in the goldfish and the toad. Freeman JA, et al. **Neuroscience** 1980;5(5):929–42
Retinotectal reorganization in goldfish-III. Effect of thyroxine. Marotte LR, et al. **Neuroscience** 1981; 6(8):1591–600
Effects of some amino acids (GABA, glycine, taurine) and

of their antagonists (picrotoxin, strychnine) on spatial and temporal features of frog retinal ganglion cell responses. Bonaventure N, et al. **Pfluegers Arch** 1980 MAY; 385(1):51–64

Effects of extracellular Ca2+ concentration and papaverine on the visual cell function in the isolated frog retina. Hanawa I, et al. **Photochem Photobiol** 1980 Oct;32(4):521–7

Effect of neuroleptic treatment in schizophrenia on the electroretinogram, electrooculogram, and color vision [letter] Gagrat D, et al. **Psychiatry Res** 1979 Jul;1(1):109

2-amino-4-phosphonobutyric acid: a new pharmacological tool for retina research. Slaughter MM, et al. **Science** 1981 Jan 9;211(4478):182–5

[Modifications of the white mouse electroretinogram after injection of organic solvents (author's transl)] Carricaburu P, et al. **Ann Pharm Fr** 1980;38(2):155–60 (Eng. Abstr.) **(Fre)**

[The influence of L-phenylalanine on the postnatal development of the electroretinogram in the rat] Kühn FM, et al. **Bibl Anat** 1981;(19):269–87 **(Ger)**

[Ultrastructure of the retina in flunitrazepam anesthesia] Antal M. **Morphol Igazsagugyi Orv Sz** 1980 Oct;20(4):241–4 (Eng. Abstr.) **(Hun)**

[Ultrastructural changes in the retina under althesin anesthesia] Antal M. **Morphol Igazsagugyi Orv Sz** 1980 Jul; 20(3):176–80 (Eng. Abstr.) **(Hun)**

[A procedure for recording electroretinogram (ERG) in conscious monkeys, and effects of some drugs (author's transl)] Satoh H, et al. **Nippon Yakurigaku Zasshi** 1980 Oct; 76(7):581–94 (Eng. Abstr.) **(Jpn)**

[Effect of high-frequency ultrasound on metabolic resistance of the retina and optic nerve to toxic lesions] Plevinskis VP. **Oftalmol Zh** 1981;36(1):55–8 (Eng. Abstr.) **(Rus)**

[Effect of cholinolytics on the functional lability of the visual analyzer in cats] Kal'ning SA. **Zh Vyssh Nerv Deiat** 1980 May-Jun;30(3):562–6 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Retinotectal specificity: models and experiments in search of a mapping function. Fraser SE, et al. **Annu Rev Neurosci** 1980;3:319–52 (107 ref.)

Development of a transient retino-retinal pathway in hooded and albino rats. Bunt SM, et al. **Brain Res** 1981 May 4; 211(2):399–404

Induction of glutamine synthetase in embryonic neural retina: its suppression by the gliatoxic agent alpha-aminoadipic acid. Linser PJ, et al. **Brain Res** 1981 Jan;227(1):103–19

Oriented extracellular channels and axonal guidance in the embryonic chick retina. Krayanek S, et al. **Dev Biol** 1981 May;84(1):41–50

Two distinct adhesion mechanisms in embryonic neural retina cells. III. Functional specificity. Thomas WA, et al. **Dev Biol** 1981 Jan 30;81(2):379–85

The effects of eliminating impulse activity on the development of the retinotectal projection in salamanders. Harris WA. **J Comp Neurol** 1980 Nov 15;194(2):303–17

Recognition of cell types by axonal growth cones in vitro. Bonhoeffer F, et al. **Nature** 1980 Nov 13;288(5787):162–4

Disruption of optic fibre growth following eye rotation in Xenopus laevis embryos. Grant P, et al. **Nature** 1980 Oct 30;287(5785):845–8

Membrane alterations during chick neural retina development: a freeze-fracture study. Sheffield JB. **Tissue Cell** 1980;12(2):353–64

ENZYMOLOGY

Carbonic anhydrase isoenzyme C in the human retina. An immunohistochemical study. Kumpulainen T. **Acta Ophthalmol (Copenh)** 1980 Jun;58(3):397–405

Regional distribution of lysosomal enzymes in the retina and choroid of human eyes. Hayasaka S, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 216(4):269–73

Solubilization of 20S acetylcholinesterase fro chick retina. Barat A, et al. **Biochem Biophys Res Commun** 1980 Oct 16;96(3):1421–6

The role of GABA in the regulation of the dopamine/tyrosine hydroxylase-containing neurons of the rat retina. Marshburn PB, et al. **Brain Res** 1981 Jun 15; 214(2):335–47

Ouabain binding to chick embryo neuroretina during development in ovo and in monolayer cultures. Miki N, et al. **Brain Res** 1981 Jul;227(4):531–8

Alteration of GABA system in frog retina following short light and dark adaptations – a quantitative comparison with retinal taurine. Nishimura C, et al. **Brain Res** 1981 Aug 31;219(2):433–8

Ornithine decarboxylase activity in retinal explants of goldfish undergoing optic nerve regeneration. Schwartz M, et al. **Brain Res** 1981 Jun;227(3):403–13

Glutamine synthetase induction in chick embryo retina monolayers. Dutt K, et al. **Cell Biophys** 1981 Mar;3(1):1–17

Evidence for the presence of N-acetyl transferase in rat retina. Miller L, et al. **Comp Biochem Physiol [C]** 1980; 66(2):213–6

Molecular forms of acetylcholinesterase in the developing chick visual system. Villafruela MJ, et al. **Dev Neurosci** 1981;4(1):25–36

Stimulation of retinal adenylate cyclase by vasoactive intestinal peptide (VIP). Longshore MA, et al. **Eur J Pharmacol** 1981 Mar 12;70(2):237–40

The effect of catecholamines and their inhibitors on the solubilized adenylate cyclase activity of bovine retina. Joó I, et al. **Exp Eye Res** 1980 Dec;31(6):659–63

Ocular oxygen toxicity: the effect of hyperbaric oxygen on retinal Na+-K+ ATPase. Ubels JL, et al. **Exp Eye Res** 1981 Jan;32(1):77–84

Ornithine ketoacid aminotransferase in the bovine eye. Hayasaka S, et al. **Invest Ophthalmol Vis Sci** 1980 Dec; 19(12):1457–60

A decrease in guanylate cyclase activity in some tissues of C3H/HeJ mice with retinal dystrophy. Di Giorgio RM, et al. **Ital J Biochem** 1980 May-Jun;29(3):191–201

Effect of nucleotides and related compounds on glutamine synthetase activity in chick embryo retina: a biochemical and immunohistochemical study. Dutt K, et al. **J Neurochem** 1981 Mar;36(3):1239–44

Localization of hexokinase in neural tissue: immunofluorescence studies on the developing cerebellum and retina of the rat. Simurda M, et al. **J Neurochem** 1980 Jul;35(1):58–66

Dopaminergic mechanisms in the teleost retina. I. Dopamine-sensitive adenylate cyclase in homogenates of carp retina; effects of agonists, antagonists, and ergots. Watling KJ, et al. **J Neurochem** 1981 Feb;36(2):559–68

Histochemical localization of carbonic anhydrase in vertebrate nervous tissue. Parthe V. **J Neurosci Res** 1981; 6(1):119–31

Stereospecific inhibition of dopamine-sensitive adenylate cyclase in carp retina by the enantiomers of (+/-)-1-cyclopropylmethyl-4-(3-trifluoro-methylthio-5 [a,d] cycloheptен-5-ylidene) piperidine (CTC). Watling KJ. **J Pharm Pharmacol** 1980 Nov;32(11):778–9

Inhibition by S-adenosyl-L-homocysteine of dopamine dependent adenylate cyclase in rat retina. Christa L, et al. **Life Sci** 1980 Aug 25;27(8):679–86

Solubilization of 20S acetylcholinesterase from the chick central nervous system. Barat A, et al. **Neurosci Lett** 1980 Nov;20(2):205–10

Monamine oxidase activity in bovine retina: subcellular distribution and drug sensitivities. Sparks DL, et al. **Neurosci Lett** 1981 Jan 20;21(2):201–6

[Retinol dehydrogenase in mouse retina. Studies on hereditary dystrophic (C3H) mouse (author's transl)] Ishiguro S. **Nippon Ganka Gakkai Zasshi** 1980 Aug; 84(8):653–6 (Eng. Abstr.) **(Jpn)**

GROWTH & DEVELOPMENT

Development of the retinotectal projection in the chicken. Rager GH. **Adv Anat Embryol Cell Biol** 1980;63:I-VIII, 1–90

Cellular decay in the rat retina during normal post-natal development: a preliminary quantitative analysis of the basic endogenous rhythm. Vogel M, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 212(3-4):243–60

Benzodiazepine receptors in chick retina: development and cellular localization. Altstein M, et al. **Brain Res** 1981 Feb 9;206(1):198–202

Developmental changes in glycoproteins of the chick nervous system. Mintz G, et al. **Brain Res** 1981 Feb 9;206(1):51–70

Development decrease in neurite extension in cultured chick embryo retina and spinal cord neurons. Thompson JM, et al. **Dev Biol** 1981 May;84(1):244–6

The formation and distribution of intercellular junctions in the rhesus monkey optic cup: the early development of the cilio-iridic and sensory retinas. Townes-Anderson E, et al. **Dev Biol** 1981 Jul 15;85(1):209–32

Histogenesis of the cat retina. Greiner JV, et al. **Exp Eye Res** 1980 Apr;30(4):439–53

An intracellular electrophysiological study of the ontogeny of functional synapses in the rabbit retina. I. Receptors, horizontal, and bipolar cells. Dacheux RF, et al. **J Comp Neurol** 1981 May 10;198(2):307–26

An intracellular electrophysiological study of the ontogeny of functional synapses in the rabbit retina. II. Amacrine cells. Dacheux RF, et al. **J Comp Neurol** 1981 May 10; 198(2):327–34

Glial fibrillary acidic protein in the retina of the developing albino rat: an immunoperoxidase study of paraffin-embedded tissue. Dixon RG, et al. **J Comp Neurol** 1980 Jan 10;195(2):305–21

Postnatal development of glycinergic neurons in the rabbit retina. Kong YC, et al. **J Comp Neurol** 1980 Oct 15; 193(4):1127–35

Postnatal development of GABA-ergic neurons in the rabbit retina. Lam DM, et al. **J Comp Neurol** 1980 Sep 1; 193(1):89–102

The emergence, localization, and maturation of neurotransmitter systems during development of the retina in Xenopus laevis: II. Glycine. Rayborn ME, et al. **J Comp Neurol** 1981 Feb 1;195(4):585–93

The emergence, localization, and maturation of neurotransmitter systems during development of the retina in Xenopus laevis. III. Dopamine. Sarthy PV, et al. **J Comp Neurol** 1981 Feb 1;195(4):595–602

Genesis of rods in teleost fish retina. Johns PR, et al. **Nature** 1981 Sep 10;293(5828):141–2

Morphology of cells in the ganglion cell layer during development of the rat retina. Perry VH, et al. **Proc R Soc Lond [Biol]** 1980 Jul 17;208(1173):433–45

Changes in ganglion cell density during post-metamorphic development in a neotropical tree frog Hyla raniceps. Bousfield JD, et al. **Vision Res** 1980;20(6):501–10

IMMUNOLOGY

S-antigen uveitis in primates. A new model for human disease. Nussenblatt RB, et al. **Arch Ophthalmol** 1981 Jun; 99(6):1090–2

Rat neural antigen-2 (RAN-2): a cell surface antigen on astrocytes, ependymal cells, Müller cells and lepto-meninges defined by a monoclonal antibody. Bartlett PF, et al. **Brain Res** 1980 Jan 21;204(2):339–51

Anticomplementary activity of cornea, vitreous and chorioretina in rabbits. Liao HR, et al. **Can J Ophthalmol** 1979 Oct;14(4):270–3

Ocular antigens XI. Common antigenic determinants in the soluble retinal fractions of man, monkey, pig and calf. Brinkman CJ, et al. **Exp Eye Res** 1980 Apr;30(4):391–400

[Round table: Autoimmunity and the retina; general and clinical aspects] **J Fr Ophtalmol** 1980;3(4):291–301 **(Fre)**

[Autoimmunity against the retina in idiopathic retinal detachment. Study of 50 cases] Remy C. **J Fr Ophtalmol** 1981;4(3):213–7 (Eng. Abstr.) **(Fre)**

[Autoimmunity against the retina in chorioretinitis (author's transl)] Remy C. **Klin Oczna** 1981;83(2):69–70 (Eng. Abstr.) **(Fre)**

INJURIES

Qualitative observations on the variation of light induced damage to the rabbit retina. McKechnie NM, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 215(4):305–25

Multiple-pulse laser retinal damage thresholds. Griess GA, et al. **Am Ind Hyg Assoc J** 1981 Apr;42(4):287–92

The risk of retina damage from high intensity light sources. Pollak VA, et al. **Am Ind Hyg Assoc J** 1980 May; 41(5):322–7

Retinal dialysis. Zion VM, et al. **Arch Ophthalmol** 1980 Nov; 98(11):1971–4

Acquired medullated nerve fibres. Baarsma GS. **Br J Ophthalmol** 1980 Sep;64(9):651

A comparative study of threshold laser lesions in the retinae of human volunteers and rabbits. Gabel VP, et al. **Health Phys** 1981 Feb;40(2):238–40

Ocular damage from multiple-pulse laser exposures. Griess GA, et al. **Health Phys** 1980 Dec;39(6):921–7

Thresholds and mechanisms of retinal damage from a white-light laser. Reed RD, et al. **Health Phys** 1980 Jul; 39(1):33–9

In vivo measurement of long-term laser induced retinal temperature rise. Polhamus GD. **IEEE Trans Biomed Eng** 1980 Nov;27(11):617–22

Regeneration of retinal limiting membranes after chorioretinal biopsy in dogs. Constable IJ, et al. **Invest Ophthalmol Vis Sci** 1981 Feb;20(2):246–51

Additivity and repair of actinic retinal lesions. Griess GA, et al. **Invest Ophthalmol Vis Sci** 1981 Jun;20(6):803–7

Retinal injury due to industrial laser burns. Boldrey EE, et al. **Ophthalmology (Rochester)** 1981 Feb;88(2):101–7

Retinal breaks caused by blunt nonperforating trauma at the point of impact. Cox MS. **Trans Am Ophthalmol Soc** 1980; 78:414–66

[Theoretical and practical physical principals related to retinal overdose of laser photocoagulation] Bernard JA, et al. **Bull Soc Ophtalmol Fr** 1981 Jan;81(1):81–90 (Eng. Abstr.) **(Fre)**

[Retinal damage by touching (author's transl)] Hashimoto M, et al. **Nippon Ganka Gakkai Zasshi** 1980 Sep 10; 84(9):1399–407 (Eng. Abstr.) **(Jpn)**

[Case of eye injury by rays emitted by a neodymium glass laser in a pulse system] Broniarczyk-Loba A, et al. **Pol Tyg Lek** 1980 Dec 1;35(48):1869–70 (Eng. Abstr.) **(Pol)**

INNERVATION

Photography of the retinal nerve fibre layer: an optimised procedure. Frisén L. **Br J Ophthalmol** 1980 Sep; 64(9):641–50

Physiological and pharmacological basis of GABA and glycine action on neurons of mudpuppy retina. II. Amacrine and ganglion cells. Miller RF, et al. **J Neurophysiol** 1981 Apr;45(4):764–82

Uncrossed retinal fibers terminating in the superior colliculus of the albino rat. Yamadori T, et al. **Neurosci Lett** 1981 Feb 23;22(1):11–5

METABOLISM

Localization of GABA and dopamine receptor sites in retinal glial cells using DL-alpha-aminoadipic acid. Memo M, et al. **Adv Biochem Psychopharmacol** 1981;26:41–51

[3H]-dopamine release from the rabbit retina. Bauer B, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 215(2):71–8

Phagocytes that invade the vitreous after injury stimulate DNA synthesis in neural retina in vitro. Burke JM. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 214(4):223–7

The effect of low dose laser on the functional activities of the mice retina. Poon AM, et al. **Anat Anz** 1980; 148(3):236–44

Retinoid-binding proteins of retina and retinoblastoma cells in culture. Chader GJ, et al. **Ann NY Acad Sci** 1981 Feb

27;359:115–33
Retinoid-binding proteins of bovine retina: immunological properties. Saari JC, et al. **Ann NY Acad Sci** 1981 Feb 27;359:104–14
Cytosol binding of retinyl palmitate and palmitic acid in pigment epithelium (PE) and retina. Wiggert B, et al. **Ann NY Acad Sci** 1981 Feb 27;359:427–8
Multiple forms of glucocorticosteroid receptors in the neural retina of chick embryo, revealed by polyacrylamide gel electrophoresis. Ben-Or S, et al. **Arch Biochem Biophys** 1981 Feb;206(2):318–30
Metabolism of phosphatidylcholine in the frog retina. Anderson RE, et al. **Biochim Biophys Acta** 1980 Nov 7; 620(2):212–26
Binding of [3H]-muscimol, a potent gamma-aminobutyric acid receptor agonist, to membranes of the bovine retina. Osborne NN. **Br J Pharmacol** 1980;71(1):259–64
Benzodiazepine and GABA receptors in the rat retina: effect of light and dark adaptation. Biggio G, et al. **Brain Res** 1981 Jul 6;216(1):210–4
Specific [3H]strychnine binding associated with glycine receptors in bovine retina. Borbe HO, et al. **Brain Res** 1981 Jan 26;205(1):131–9
Muscarinic-dopaminergic synergism on retinal cyclic AMP formation. Brown JH, et al. **Brain Res** 1981 Jun 29; 215(1–2):388–92
Localization of alpha-bungarotoxin binding sites in synapses of the developing chick retina. Daniels MP, et al. **Brain Res** 1980 Nov 10;201(1):45–56
Clearance of extracellular potassium: evidence for spatial buffering by glial cells in the retina of the drone. Gardner-Medwin AR, et al. **Brain Res** 1981 Mar 30; 209(2):452–7
Protein degradation in the mouse visual system. I. Degradation of axonally transported and retinal proteins. Nixon RA. **Brain Res** 1980 Oct 27;200(1):69–83
Electrophoretic analysis of specific proteins in the regenerating goldfish retinotectal pathway. Quitschke W, et al. **Brain Res** 1980 Nov 17;201(2):347–60
Cholera-toxin binding to cells of developing chick retina analyzed by fluorescence-activated cell sorting. Rathjen FG, et al. **Brain Res** 1981 Jul;227(4):539–49
Collagen formation by peripretinal cellular membranes. Laqua H. **Dev Ophthalmol** 1981;2:396–406
Characterization of the alpha-bungarotoxin receptor in chick-embryo retina. Betz H. **Eur J Biochem** 1981 Jun; 117(1):131–9
Benzodiazepine binding in chicken retina and its interaction with gamma-aminobutyric acid. Howells RD, et al. **Eur J Pharmacol** 1980 Oct 3;67(1):133–7
GABA antagonists enhance dopamine turnover in the rat retina in vivo. Kamp CW, et al. **Eur J Pharmacol** 1981 Jan 29;69(3):273–9
'Brain-specific' benzodiazepine receptors are localized in the inner plexiform layer of rat retina. Skolnick P, et al. **Eur J Pharmacol** 1980 Aug 22;66(1):133–6
Biosynthesis of retinal phospholipids by base exchange reactions. Anderson RE, et al. **Exp Eye Res** 1981 Jun; 32(6):729–36
Protein synthesis in retinas of rats with inherited retinal dystrophy. Battelle BA, et al. **Exp Eye Res** 1980 Sep; 31(3):251–69
Collagen synthesis by rabbit neural retina in vitro and in vivo. Burke JM, et al. **Exp Eye Res** 1980 Aug;31(2):213–26
The radioautographical localization in the vertebrate retina of [3H]-(+ or -)-cis-aminocyclohexane carboxylic acid (ACHC); a selective inhibitor of neuronal GABA transport. Cunningham J, et al. **Exp Eye Res** 1981 Apr;32(4):445–50
Localization of putative amino acid neurotransmitters in the human retina. Lam DM, et al. **Exp Eye Res** 1980 Dec; 31(6):729–32
Specificity of serotonin uptake by bovine retina: comparison with tryptamine. Osborne NN, et al. **Exp Eye Res** 1980 Jul;31(1):31–9
[3H]taurine-accumulating neurons in the cat retina. Pourcho RG. **Exp Eye Res** 1981 Jan;32(1):11–20
Glucose uptake by normal and dystrophic rat retinas and ciliary bodies. Stramm LE, et al. **Exp Eye Res** 1980 Jun; 30(6):709–18
Oxygen transport in the bullfrog retina [letter] Tsacopoulos M, et al. **Exp Eye Res** 1980 Dec;31(6):725–8
Cytosol binding of retinyl palmitate and palmitic acid in pigment epithelium and retina. Wiggert B, et al. **Exp Eye Res** 1981 Feb;32(2):187–96
Low retinal dopamine and serum prolactin levels indicate an inherited dopaminergic abnormality in BW rats. Wyse JP, et al. **Exp Eye Res** 1981 May;32(5):541–51
Oxygen transport in the bullfrog retina. Zuckerman R, et al. **Exp Eye Res** 1980 FEB;30(2):117–27
Effect of argon laser photocoagulation on fluorescein transport across the blood-retinal barrier. Zweig K, et al. **Exp Eye Res** 1981 Mar;32(3):323–9
Effects of dobutamine on cyclic AMP accumulation induced by the stimulation of dopamine receptors in rabbit retina in vitro. Forster A, et al. **Experientia** 1980 Sep 15; 36(9):1108–10
Presence of immunoreactive beta-endorphin and enkephalin-like material in the retina and other tissues of the frog, Rana pipiens. Jackson IM, et al. **Gen Comp Endocrinol** 1980 Dec;42(4):505–8
Binding and uptake of the GABA analogue, 3H-muscimol, in the retinas of goldfish and chicken. Yazulla S, et al. **Invest Ophthalmol Vis Sci** 1980 Dec;19(12):1415–26
Light-induced changes in energy metabolites, guanine nucleotides, and guanylate cyclase within frog retinal layers. de Azeredo FA, et al. **J Biol Chem** 1981 Mar 25; 256(6):2731–5
Comparison of cytosol retinol binding proteins from bovine retina, dog liver, and rat liver. Liou GI, et al. **J Biol Chem** 1981 Apr 10;256(7):3153–5
Axonal transport of the mitochondria-specific lipid, diphosphatidylglycerol, in the rat visual system. Blaker WD, et al. **J Cell Biol** 1981 Jun;89(3):579–84
Gyrate atrophy of the choroid and retina with hyperornithinemia. Deficient formation of guanidinoacetic acid from arginine. Sipilä I, et al. **J Clin Invest** 1980 Oct; 66(4):684–7
GABAergic synapses in the goldfish retina: an autoradiographic study of 3H-muscimol and 3H-GABA binding. Yazulla S. **J Comp Neurol** 1981 Jul 20;200(1):83–93
Melatonin in the retina of rats: a diurnal rhythm. Pang SF, et al. **J Endocrinol** 1980 Oct;87(1):89–93
Changes in RNA and protein synthesis in the neural retina during lens regeneration in newts. Gulati AK. **J Exp Zool** 1980 Oct;214(1):101–8
Light-induced pigment granule migration in the retinular cells of Drosophila melanogaster. Comparison of wild type with ERG-defective mutants. Lo MV, et al. **J Gen Physiol** 1981 Feb;77(2):155–75
Diffusion and consumption of oxygen in the superfused retina of the drone (Apis mellifera) in darkness. Tsacopoulos M, et al. **J Gen Physiol** 1981 Jun;77(6):601–28
Glycolytic and oxidative metabolism in relation to retinal function. Winkler BS. **J Gen Physiol** 1981 Jun;77(6):667–92
Uptake of horseradish peroxidase by presynaptic terminals of bipolar cells and photoreceptors of the from retina. Evans JA, et al. **J Histochem Cytochem** 1981 Apr; 29(4):511–8
Preliminary investigations of melatonin and 5-methoxy-tryptophol synthesis in the pineal, retina, and harderian gland of the mole rat and in the pineal of the mouse 'eyeless'. Balemans MG, et al. **J Neural Transm** 1980; 49(4):247–55
Circadian rhythmicity of the activity of hydroxyindole-O-methyl transferase (HIOMT) in the formation of melatonin and 5-methoxytryptophol in the pineal, retina, and harderian gland of the golden hamster. Pévet P, et al. **J Neural Transm** 1980;49(4):229–45
Protein turnover in retina. Ames A 3d, et al. **J Neurochem** 1980 Jul;35(1):131–42
Synthesis and degradation of retinal proteins in darkness and during photic stimulation. Ames A 3d, et al. **J Neurochem** 1980 Jul;35(1):143–8
Impairment of protein synthesis in the retinal tissue in diabetic rabbits: secondary reduction of fast axonal transport. Chihara E. **J Neurochem** 1981 Jul;37(1):247–50
Cyclic nucleotide levels in normal and biologically fractionated mouse retina: effects of light and dark adaptation. DeVries GW, et al. **J Neurochem** 1978 Dec; 31(6):1345–51
Uridine metabolism in the goldfish retina during optic nerve regeneration: whole retina studies. Dokas LA, et al. **J Neurochem** 1981 Mar;36(3):1160–5
Dopaminergic mechanisms in the teleost retina. II. Factors affecting the accumulation of cyclic AMP in pieces of intact carp retina. Dowling JE, et al. **J Neurochem** 1981 Feb;36(2):569–79
Axonal transport of the Ca2+-dependent protein modulator of 3':5'-cyclic-AMP phosphodiesterase in the rabbit visual system. Erickson PF, et al. **J Neurochem** 1980 Jul; 35(1):242–8
Investigation of the axonal transport of three acidic, soluble proteins (14-3-2, 14-3-3, and S-100) in the rabbit visual system. Erickson PF, et al. **J Neurochem** 1980 Jul; 35(1):232–41
Uridine metabolism in the goldfish retina during optic nerve regeneration: cell-free preparations. Kohsaka S, et al. **J Neurochem** 1981 Mar;36(3):1166–74
Photochemical damage in the albino rat retina: morphological changes and endogenous amino acids. Oraedu AC, et al. **J Neurochem** 1980 Dec;35(6):1361–9
Noradrenaline, a transmitter candidate in the retina. Osborne NN. **J Neurochem** 1981 Jan;36(1):17–27
Synthesis of retinal gangliosides during chick embryonic development. Panzetta P, et al. **J Neurochem** 1980 Jul; 35(1):100–8
Light-stimulated release of taurine from retinas of kainic acid-treated chicks. Pasantes-Morales H, et al. **J Neurochem** 1981 Apr;36(4):1583–6
Identification of strychnine binding sites in the rat retina. Schaeffer JM, et al. **J Neurochem** 1981 Apr;36(4):1597–600
The synthesis of neuroactive amino acids from radioactive glucose and glutamine in the rat retina: effects of light stimulation. Voaden MJ, et al. **J Neurochem** 1980 Jul; 35(1):95–9
The effect of antivitamin B6 administration on gamma-aminobutyric acid metabolism in retina and electroretinogram. Mizuno A, et al. **J Nutr Sci Vitaminol (Tokyo)** 1980;26(1):25–32
Opiate binding sites in the retina: properties and distribution. Howells RD, et al. **J Pharmacol Exp Ther** 1980 Oct; 215(1):60–4
Reductions in retinal gamma-aminobutyric acid (GABA) content and in [3H]flunitrazepam binding after postnatal monosodium glutamate injections in rats. Regan JW, et al. **J Pharmacol Exp Ther** 1981 Sep;218(3):791–6
The uptake and release of [3H]glycine in the goldfish retina. Chin CA, et al. **J Physiol (Lond)** 1980 Nov;308:185–95
Breakdown of blood. Retinal barrier in RCS rats with inherited retinal degeneration. Essner E, et al. **Lab Invest** 1980 Nov;43(5):418–26
The status of glycine as a supraspinal neurotransmitter. Pycock CJ, et al. **Life Sci** 1981 Jun 15;28(24):2679–86 (81 ref.)
GABA receptor binding in bovine retina: effects of Triton X-100 and perchloric acid. Redburn DA, et al. **Life Sci** 1981 Feb 2;28(5):541–9
[3H]Muscimol binding in the rat retina. Schaeffer JM. **Life Sci** 1980 Sep 29;27(13):1199–204
Are only alpha 2-adrenergic receptors present in bovine retina? Bittiger H, et al. **Nature** 1980 Oct 16; 287(5783):645–7
Effects of the ionophores X537A and A23187 on GABA, glycine, and taurine release from chick retinal subcellular fractions. Pasantes-Morales H, et al. **Neurochem Res** 1980 Oct;5(10):1077–88
Certain aspects of acetylcholine metabolism in teleost retina. Vivas IM, et al. **Neurochem Res** 1980 Aug;5(8):817–29
A diurnal rhythm of N-acetylserotonin in the retina of rats. Pang SF, et al. **Neurosci Lett** 1981 Jan 20;21(2):197–200
The effect of sodium ions on the light-induced 86Rb release from the isolated crayfish retina. Hartung K, et al. **Pfluegers Arch** 1980 Sep;387(3):225–9
Incorporation of 11,12-dihydroretinal into the retinae of vitamin a deprived rats. Crouch R, et al. **Photochem Photobiol** 1981 Jan;33(1):91–5
The involvement of water at the retinal binding site in rhodopsin and early light-induced intramolecular proton transfer. Rafferty CN, et al. **Photochem Photobiol** 1981 Feb; 33(2):229–34
Orientation of retinylidene chromophore of hypsorhodopsin in frog retina. Tokunaga F, et al. **Photochem Photobiol** 1980 Oct;32(4):447–53
Ontogenetic patterns of thyrotropin-releasing hormone-like material in rat hypothalamus, pancreas, and retina: selective effect of light deprivation. Martino E, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4345–8
Localized binding of [3H]muscimol to synapses in chicken retina. Yazulla S, et al. **Proc Natl Acad Sci USA** 1981 Jan; 78(1):643–7
The chemical specificity of neurones in the retina. Voaden MJ. **Prog Brain Res** 1979;51:389–402
Acetylcholine synthesis by displaced amacrine cells. Hayden SA, et al. **Science** 1980 Oct;210(4468):435–7
RNA metabolism in the retina in relation to cyclic lighting. Hollyfield JG, et al. **Vision Res** 1980;20(12):1151–5
[Blood-vitreous barrier under various experimental conditions] Malagola R, et al. **Bull Mem Soc Fr Ophtalmol** 1980;92:344–7 **(Fre)**
[Effect of sodium difluoroacetate on retinal lactate levels in diabetic rats] Illy N, et al. **C R Soc Biol (Paris)** 1981; 175(2):242–6 (Eng. Abstr.) **(Fre)**
[Studies on potassium transport through glial cell membranes (author's transl)] Coles JA, et al. **Klin Monatsbl Augenheilkd** 1980 Apr;176(4):522–3 (Eng. Abstr.) **(Fre)**
[Effects of vitrectomy on the retinal protein metabolism and axonal transport (author's transl)] Chihara E, et al. **Nippon Ganka Gakkai Zasshi** 1980 Dec 10;84(12):2043–6 (Eng. Abstr.) **(Jpn)**
[Changes in the activity of cyclic nucleotide phosphodiesterase and content of rhodopsin in retina during long illumination] Makhmudova VM, et al. **Ukr Biokhim Zh** 1981 May-Jun;53(3):50–4 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Expression of viral oncogenes in differentiating chick embryo neuroretinal cells infected with avian tumor viruses. Calothy G, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):983–90

PATHOLOGY

The retina in Lafora disease: light and electron microscopy. Berard-Badier M, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 212(3–4):285–94
The ocular pigmentary disturbance of human Chédiak-Higashi syndrome. A comparative light- and electron-microscopic study and review of the literature. Valenzuela R, et al. **Am J Clin Pathol** 1981 Apr;75(4):591–6
Sudden blindness in acute pancreatitis. Possible role of complement-induced retinal leukoembolization. Jacob HS, et al. **Arch Intern Med** 1981 Jan;141(1):134–6
Fundal abnormalities of Gaucher's disease. Cogan DG, et al. **Arch Ophthalmol** 1980 Dec;98(12):2202–3
Clinical evaluation of nerve fiber layer atrophy as an indicator of glaucomatous optic nerve damage. Quigley HA, et al. **Arch Ophthalmol** 1980 Sep;98(9):1564–71
Diseases of the retinal pigment epithelium. Maumenee IH, et al. **Birth Defects** 1980;16(2):315–26
Human chorioretinal biopsy under controlled systemic hypotensive anaesthesia. Constable LJ, et al. **Br J Ophthalmol** 1980 Aug;64(8):559–64
Gyrate atrophy with hyperornithinaemia: different types of

responsiveness to vitamin B6. Hayasaka S, et al. **Br J Ophthalmol** 1981 Jul;65(7):478–83

Experimental occlusion of the central artery of the retina. IV: Retinal tolerance time to acute ischaemia. Hayreh SS, et al. **Br J Ophthalmol** 1980 Nov;64(11):818–25

Chorioretinal biopsy in a patient with leukaemia. Taylor D, et al. **Br J Ophthalmol** 1981 Jul;65(7):489–93

Relationship of cystic retinal tufts to retinal detachment. Byer NE. **Dev Ophthalmol** 1981;2:36–42

Pathology of the basal lamina at the peripheral vitreoretinal junction. Gärtner J. **Dev Ophthalmol** 1981;2:353–62

Morphologic features of the possible weakening of the cryosurgical adhesion (a summary). Lincoff H, et al. **Dev Ophthalmol** 1981;2:302

Interactions between sensory cells, glial cells and the retinal pigment epithelium and their response to photocoagulation. Marshall J. **Dev Ophthalmol** 1981;2:308–17

Histopathologic evaluation of adhesive properties of early lesions in diathermy and cryopexy. Sipperley JO, et al. **Dev Ophthalmol** 1981;2:297–301

Long-term changes in photocoagulation burns. Wallow IH. **Dev Ophthalmol** 1981;2:318–27

Intraretinal collagen formation in lattice degeneration. Witschel H. **Dev Ophthalmol** 1981;2:369–84

Morphometric studies of pancreatic islets and retinal vessels of rats with streptozotocin-induced latent diabetes. Rossi GL, et al. **Diabete Metab** 1981 Jun;7(2):77–86

Evidence for functional endothelial cell damage in early diabetic retinopathy. Porta M, et al. **Diabetologia** 1981 Jun; 20(6):597–601

Retinal proliferation in response to vitreous hemoglobin or iron. Burke JM, et al. **Invest Ophthalmol Vis Sci** 1981 May; 20(5):582–92

Effects of moderate-intensity light on vitamin A-deficient rat retinas. Carter-Dawson L, et al. **Invest Ophthalmol Vis Sci** 1981 May;20(5):569–74

Osmotically induced retinal detachment in the rabbit and primate. Electron miscoscopy of the pigment epithelium. Marmor MF, et al. **Invest Ophthalmol Vis Sci** 1980 Sep; 19(9):1016–29

Damage to the monkey retina by broad-spectrum fluorescent light. Sykes SM, et al. **Invest Ophthalmol Vis Sci** 1981 Apr; 20(4):425–34

Preservation of retinal ganglion cells and normal patterns of retinogeniculate projections in prosimian primates with long-term ablations of striate cortex. Weller RE, et al. **Invest Ophthalmol Vis Sci** 1981 Feb;20(2):139–48

Dietary treatment of hyperornithinemia in gyrate atrophy. Bell L, et al. **J Am Diet Assoc** 1981 Aug;79(2):139–44

Gyrate atrophy of the choroid and retina with hyperornithinemia: characterization of mutant liver L-ornithine:2-oxoacid aminotransferase kinetics. Sipilä I, et al. **J Clin Invest** 1981 Jun;67(6):1805–7

Development and degeneration of retina in rds mutant mice: light microscopy. Sanyal S, et al. **J Comp Neurol** 1980 Nov 1;194(1):193–207

Borna disease in rhesus monkeys as a models for uveo-cerebral symptoms. Stitz L, et al. **J Med Virol** 1981; 6(4):333–40

Problems of chorioretinal biopsy. Constable IJ. **J R Soc Med** 1980 Jun;73(6):408–12

Early changes in peripheral retina following concussive ocular injuries: an experimental study. Hart JC, et al. **J R Soc Med** 1979 Mar;72(3):180–4

Hyperornithinaemia with gyrate atrophy of the choroid and retina in two siblings. Hodes DT, et al. **J R Soc Med** 1980 Aug;73(8):588–91

Treatment of gyrate atrophy of the choroid and retina with low arginine diet. McInnes RR, et al. **Trans Am Ophthalmol Soc** 1980;78:226–42

[Relation between form of retinal detachment and position of the tear (author's transl)] Wu XC. **Chung Hua Yen Ko Tsa Chih** 1979;15(4):261–5 **(Chi)**

[Retinovitreous degeneration of the retinal periphery] Ravault MP, et al. **Annee Ther Clin Ophtalmol** 1979; 30:305–11 (Eng. Abstr.) **(Fre)**

[The periphery of the fundus oculi] Bec P, et al. **Bull Mem Soc Fr Ophtalmol** 1980;92:1–21 **(Fre)**

[The periphery of the fundus oculi. Prevention of retinal detachment] Pinero Bustamante A, et al. **Bull Mem Soc Fr Ophtalmol** 1980;92:81–8 **(Fre)**

[Ophthalmoscopic changes in a patient with Lawrence–Seip syndrome] Putteman A, et al. **Bull Soc Belge Ophtalmol** 1980;(188–189):27–35 **(Fre)**

[Examination of the retina in the aphakic patient] Bacin F. **Bull Soc Ophtalmol Fr** 1980 Aug–Sep;80(8–9):783–5 (Eng. Abstr.) **(Fre)**

[Angiography of the retinal periphery with a xenon slit-lamp. Preliminary study] Coscas G, et al. **Bull Soc Ophtalmol Fr** 1981 Jan;81(1):17–20 **(Fre)**

[Changed retinal cell content in diabetics (author's transl)] Fuchs U, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 216(3):245–51 (Eng. Abstr.) **(Ger)**

[Ominous retinal changes in aphakia] Kutschera E. **Klin Monatsbl Augenheilkd** 1980 Jan;176(1):67–9 (Eng. Abstr.) **(Ger)**

[Incidence of lattice degeneration in eyes with retinal detachment (author's transl)] Ogino N. **Nippon Ganka Gakkai Zasshi** 1981 Mar;85(3):250–3 (Eng. Abstr.) **(Jpn)**

[Number of lattice degenerations in eyes with retinal detachment (author's transl)] Ogino N. **Nippon Ganka Gakkai Zasshi** 1981 Mar;85(3):254–7 (Eng. Abstr.) **(Jpn)**

[A light microscopic study of steroid induced retinopathy in rat (author's transl)] Tsuchiya S. **Nippon Ganka Gakkai Zasshi** 1980 Aug;84(8):890–7 (Eng. Abstr.) **(Jpn)**

[Pathology of choroidal circulatory disturbance. Part 3. Experimental choroidal circulatory disturbance, histopathological study of retino-choroidal lesion (author's transl)] Uyama M, et al. **Nippon Ganka Gakkai Zasshi** 1980 Nov 10;84(11):1924–46 (Eng. Abstr.) **(Jpn)**

[Retinitis pigmentosa and its experimental model: I. Clinical and morphological findings (author's transl)] Sole P, et al. **Klin Oczna** 1980 Sep;82(9):437–9 (Eng. Abstr.) **(Pol)**

[Pathological and histotopochemical investigations in retinopathy of premature babies (author's transl)] Tost M. **Klin Oczna** 1980 Aug;82(8):407–10 (Eng. Abstr.) **(Pol)**

[Peripheral sclerosis of the retina and its role in retinal detachment] Mihail S, et al. **Rev Chir [Oftalmol]** 1980 Oct-Dec;24(4):255–6 **(Rum)**

PHYSIOLOGY

Further studies of the chemical sensitivity of the oscillatory potentials of the electroretinogram (ERG). II. Glutamate-aspartate-and dopamine antagonists. Wachtmeister L. **Acta Ophthalmol (Copenh)** 1981 Apr; 59(2):247–58

Further studies of the chemical sensitivity of the oscillatory potentials of the electroretinogram (ERG) I. GABA- and glycine antagonists. Wachtmeister L. **Acta Ophthalmol (Copenh)** 1980 Oct;58(5):712–25

Axonal transport, degeneration, and regeneration in the visual system of the goldfish. Wolburg H. **Adv Anat Embryol Cell Biol** 1981;67:1–94

GABA and its interaction with ACh in the rabbit retina. Redburn DA, et al. **Adv Biochem Psychopharmacol** 1981; 29:169–74

GABA and glutamate as retina neurotransmitters in rabbit retina. Redburn DA. **Adv Biochem Psychopharmacol** 1981; 27:79–89

The indicator extraction technique. A method for studying the blood-retinal barriers. Törnquist P. **Adv Exp Med Biol** 1980;131:105–12

Macula and periphery: their contributions to the visual evoked potentials (VEP) in humans. Röver J, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 214(1):47–51

The electric consensual response of the non-stimulated eye in normal subjects and patients with optic atrophy. Steindler P, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 216(2):121–7

Ocular torsion and primary retinal meridians. Jampel RS. **Am J Ophthalmol** 1981 Jan;91(1):14–24

Plasticity in the vestibulo-ocular reflex: a new hypothesis. Miles FA, et al. **Annu Rev Neurosci** 1981;4:273–99 (60 ref.)

Acuity, luminance, and monocular deprivation in the cat. Loop MS, et al. **Behav Brain Res** 1981 May;2(3):323–34

Retinal and extraretinal entrainment action spectra for the activity rhythms of the lake chub, Couesius plumbeus. Kavaliers M. **Behav Neural Biol** 1980 Sep;30(1):56–67

Kainic acid, a powerful inhibitor of the b-wave of the electroretinogram in isolated frog retina. Urban PF, et al. **Biochem Soc Trans** 1981 Feb;9(1):107

Relevance of the single ommatidium performance in determining the oscillatory response of the Limulus retina. Barbi M, et al. **Biol Cybern** 1980;39(1):45–51

On oscillatory responses of the Limulus retina. Coleman BD, et al. **Biol Cybern** 1980;37(3):125–9

Instabilities in a continuous medium model for the retina. Hendrik J, et al. **Biol Cybern** 1980;39(1):11–4

Electrical coupling of photoreceptors in retinal network models. Marčelja S. **Biol Cybern** 1980;39(1):15–20

A layered model for visual processing in avian retina. Moreno-Díaz R, et al. **Biol Cybern** 1980;38(2):85–9

Modelling and simulation of vertebrate retina: extended network. Oğuztöreli MN, et al. **Biol Cybern** 1980;38(1):9–17

Spatiotemporal testing and modeling of catfish retinal neurons. Krausz HI, et al. **Biophys J** 1980 Jan;29(1):13–36

Firing rate of a retinal neuron are not predictable from interspike interval statistics. Levine MW. **Biophys J** 1980 Apr;30(1):9–25

A comment on a retinal neuron model [letter] Smith CE. **Biophys J** 1979 Feb;25(2 Pt 1):385–6

Contraction anisocoria: nasal versus temporal illumination. Smith SA, et al. **Br J Ophthalmol** 1980 Dec;64(12):933–4

Reflection of plane-polarized light by the retina. Charman WN. **Br J Physiol Opt** 1980;34:34–49

Projections of color coding retinal neurons in urodele amphibians. Himstedt W, et al. **Brain Behav Evol** 1981; 18(1-2):19–32

Lateral spread of adaptation in the receptive field surrounds of cat retinal ganglion cells. Cohen HI, et al. **Brain Res** 1981 Jan 5;204(1):194–9

Late spreading of excitation in the lateral geniculate nucleus following visual deafferentation is independent of the size of retinal lesions. Eysel UT, et al. **Brain Res** 1981 Jan 5; 204(1):189–93

Field potential induced by injection of potassium ion into the frog retina: a test of current interpretations of the electroretinographic (ERG) b-wave. Fujimoto M, et al. **Brain Res** 1981 Jan 5;204(1):51–64

Retinotopic analysis of fiber pathways is amphibians. I. The adult newt Cynops pyrrhogaster. Fujisawa H, et al. **Brain Res** 1981 Feb 9;206(1):9–20

Retinotopic analysis of fiber pathways in amphibians. II. The frog Rana nigromaculata. Fujisawa H, et al. **Brain Res** 1981 Feb 9;206(1):21–6

Retinotopic analysis of fiber pathways in the regenerating retinotectal system of the adult newt cynops Pyrrhogaster. Fujisawa H. **Brain Res** 1981 Feb 9;206(1):27–37

Changes of electroretinogram and neurochemical aspects of GABAergic neurons of retina after intraocular injection of kainic acid in rats. Goto M, et al. **Brain Res** 1981 May 4;211(2):305–14

Benzodiazepines prevent kainate-induced loss of GABAergic and cholinergic neurons in the chick retina. Imperato A, et al. **Brain Res** 1981 May 25;213(1):205–10

Experimentally induced enlargement of the uncrossed retinotectal pathway in rats. Jen LS, et al. **Brain Res** 1981 Apr 27;211(1):37–57

Spectral opponency of on-type ganglion cells and the blue preference of Rana pipiens. Kicliter E, et al. **Brain Res** 1981 Apr 6;210(1-2):103–13

Identification of avian brain regions responsive to retinal slip using 2-deoxyglucose. McKenna OC, et al. **Brain Res** 1981 Apr 6;210(1-2):455–60

Retinotectal connections within the superficial layers of the cat's superior colliculus. Ogawa T, et al. **Brain Res** 1981 Jul 27;217(1):1–11

Development of ganglion cells and their axons in organized cultures of fetal mouse retinal explants. Smalheiser NR, et al. **Brain Res** 1981 Jan 5;204(1):159–78

Positional specificity tests in co-cultures of retinal and tectal explants. Smalheiser NR. **Brain Res** 1981 Jun 1;213(2):493–9

A systematic approach to reconstructing microcircuitry by electron microscopy of serial sections. Stevens JK, et al. **Brain Res** 1980 Dec;2(3):265–93

Effects of GABA and glycine on the distal cells of the cyprinid retina. Wu SM, et al. **Brain Res** 1980 Oct 20; 199(2):401–14

The role of protocerebrum in the modulation of circadian rhythmicity in the crayfish visual system. Barrera-Mera B, et al. **Brain Res Bull** 1980 Nov-Dec;5(6):667–72

The conduction velocity and central projections of retinofugal fibers in the rabbit. Molotchnikoff S, et al. **Brain Res Bull** 1980 Nov-Dec;5(6):687–92

Prediction of the effect of the choroidal circulation on the retinal temperature during illumination. Moseley H, et al. **Bull Math Biol** 1981;43(2):233–8

Evoked potential studies of visual perception. Regan D. **Can J Psychol** 1981 Jun;35(2):77–112

Retinotectal plasticity in Xenopus: anomalous ipsilateral projection following late larval eye removal. Fraser SE, et al. **Dev Biol** 1980 Oct;79(2):444–52

Two distinct adhesion mechanisms in embryonic neural retina cells. I. A kinetic analysis. Magnani JL, et al. **Dev Biol** 1981 Jan 15;81(1):96–105

Retinal projection to a surgically prepared 'double-lateral' tectum in Xenopus: electrophysiological studies. Rho JH, et al. **Dev Biol** 1980 Dec;80(2):436–53

Two distinct adhesion mechanisms in embryonic neural retina cells. II. An immunological analysis. Thomas WA, et al. **Dev Biol** 1981 Jan 15;81(1):106–14

Metabolic aspects of retinal adhesion. Zauberman H. **Dev Ophthalmol** 1981;2:334–8

Modulation of the shape of epithelial lens cells in vitro directed by a retinal extract factor. A model of interconversions and the role of actin filaments and fibronectin. Courtois Y, et al. **Differentiation** 1981; 18(1):11–27

Dopamine neurons of the retina: a simple method system for studying synaptic regulatory mechanisms. Iuvone PM, et al. **Essays Neurochem Neuropharmacol** 1981;5:75–94 (35 ref.)

Perception of images moving at saccadic velocities during saccades and during fixation. Brooks BA, et al. **Exp Brain Res** 1980;40(1):71–8

Oculomotor changes in cats reared without experiencing continuous retinal image motion. Conway JL, et al. **Exp Brain Res** 1981;43(2):229–32

Time-dependent decrease in the extent of visual deafferentation in the lateral geniculate nucleus of adult cats with small retinal lesions. Eysel UT, et al. **Exp Brain Res** 1981;41(3-4):256–63

Continuous movement of remote patterns and shift-effect of cat retinal ganglion cells. Fischer B, et al. **Exp Brain Res** 1980;40(2):229–32

Stimulus versus eye movements: comparison of neural activity in the striate and prelunate visual cortex (A17 and A19) of trained rhesus monkey. Fischer B, et al. **Exp Brain Res** 1981;43(1):69–77

Cat retina and the sampling theorem; the relation of transient and sustained brisk-unit cut-off frequency to alpha and beta-mode cell density. Hughes A. **Exp Brain Res** 1981; 42(2):196–202

Effects of early monocular deprivation on development of cortico-geniculate projections in the cat. Tsumoto T, et al. **Exp Brain Res** 1981;43(3-4):451–4

On the depth of the cyclopean retina. Tyler CW, et al. **Exp Brain Res** 1980;40(2):196–202

Enhancement of visual cell response after illumination in the isolated frog retina. Hanawa I, et al. **Exp Eye Res** 1981

Jun;32(6):719–27
Estimation of retinal oxygen transients from measurements made in the vitreous humor. Linsenmeier RA, et al. **Exp Eye Res** 1981 Apr;32(4):369–79
Dopamine depletion slows retinal transmission. Dyer RS, et al. **Exp Neurol** 1981 Feb;71(2):326–40
Relationship of aberrant retinotectal projections to visual orienting after neonatal tectal damage in hamster. Finlay BL, et al. **Exp Neurol** 1981 May;72(2):308–17
Retina as a model system in paraplegia research: pharmacologic studies. Goldberg S, et al. **Exp Neurol** 1981 Aug;73(2):582–7
Will central nervous systems in the adult mammal regenerate after bypassing a lesion? A study in the mouse and chick visual systems. Goldberg S, et al. **Exp Neurol** 1980 Dec; 70(3):675–89
A theoretical proposal to account for visual computation in a frog's retina. Moreno-Diaz R, et al. **Int J Biomed Comput** 1980 Sep;11(5):415–26
Latent components of potentials evoked by visual stimuli in different retinal locations. Skrandies W. **Int J Neurosci** 1981;14(1–2):77–84
Circadian rhythms in teleost retinomotor movement. A comparison of the effects of circadian rhythm and light condition on cone length. Levinson G, et al. **Invest Ophthalmol Vis Sci** 1981 Mar;20(3):294–303
O2 consumption and CO2 influence on the pH and electroretinogram of isolated retina of goldfish. Schellart NA, et al. **Invest Ophthalmol Vis Sci** 1980 Sep;19(9):1110–3
Light peak of cat DC electroretinogram: not generated by a change in [K+]0. Steinberg RH, et al. **Invest Ophthalmol Vis Sci** 1981 Mar;20(3):415–8
Uptake and anterograde axonal transport of wheat germ agglutinin from retina to optic tectum in the chick. Margolis TP, et al. **J Cell Biol** 1981 Apr;89(1):152–6
Axonally transported proteins associated with axon growth in rabbit central and peripheral nervous systems. Skene JH, et al. **J Cell Biol** 1981 Apr;89(1):96–103
Changes in axonally transported proteins during axon regeneration in toad retinal ganglion cells. Skene JH, et al. **J Cell Biol** 1981 Apr;89(1):86–95
Differences in binocular interactions between cortical areas 17 and 18 and superior colliculus of Siamese cats. Antonini A, et al. **J Comp Neurol** 1981 Aug 20;200(4):597–611
Anomalous uncrossed retinal projections fail to activate superior colliculus neurons in rabbits unilaterally enucleated by fetal surgery. Chow KL, et al. **J Comp Neurol** 1981 Feb 20;196(2):189–204
Neuronal and synaptic structure of the dorsal lateral geniculate nucleus in normal and monocularly deprived Macaca monkeys. Wilson JR, et al. **J Comp Neurol** 1981 Apr 10;197(3):517–39
Feed-back modulation of cone synapses by L-horizontal cells of turtle retina. Gerschenfeld HM, et al. **J Exp Biol** 1980 Dec;89:177–92
Why two eyes are better than one: the two views of binocular vision. Jones RK, et al. **J Exp Psychol [Hum Percept]** 1981 Feb;7(1):30–40
Saccadic plasticity: parametric adaptive control by retinal feedback. Miller JM, et al. **J Exp Psychol [Hum Percept]** 1981 Apr;7(2):356–66
Experimental analysis of the lens-forming competence of the cornea, iris, and retina in Xenopus laevis tadpoles. Bosco L, et al. **J Exp Zool** 1981 May;216(2):267–76
Role of neural retina and vitreous body during lens regeneration: transplantation and autoradiography. Gulati AK, et al. **J Exp Zool** 1980 Oct;214(1):109–18
Transient adaptation and sensitization in the retina of Necturus. Karwoski CJ, et al. **J Gen Physiol** 1980 Oct; 76(4):479–97
Rhodopsin kinetics in the cat retina. Ripps H, et al. **J Gen Physiol** 1981 Mar;77(3):317–34
Flash photolysis of rhodopsin in the cat retina. Ripps H, et al. **J Gen Physiol** 1981 Mar;77(3):295–315
'Rapid regeneration' in the cat retina: a case for spreading depression. Ripps H, et al. **J Gen Physiol** 1981 Mar; 77(3):335–46
The effects of retinal eccentricity and orientation on perceived length. Thompson JG, et al. **J Gen Psychol** 1980 Oct;103(Second Half):227–32
Electrophoretic analysis of axonally transported proteins in toad retinal ganglion cells. Skene JH, et al. **J Neurochem** 1981 Jul;37(1):79–87
Schwann cell myelination in the nerve fibre layer of the BW rat retina. Wyse JP. **J Neurocytol** 1980 Feb;9(1):107–17
Physiological and pharmacological basis of GABA and glycine action on neurons of mudpuppy retina. III. Amacrine-mediated inhibitory influences on ganglion cell receptive-field organization: a model. Frumkes TE, et al. **J Neurophysiol** 1981 Apr;45(4):783–804
Relationship between eye acceleration and retinal image velocity during foveal smooth pursuit in man and monkey. Lisberger SG, et al. **J Neurophysiol** 1981 Aug;46(2):229–49
Physiological and pharmacological basis of GABA and glycine action on neurons of mudpuppy retina. I. Receptors, horizontal cells, bipolars, and G-cells. Miller RF, et al. **J Neurophysiol** 1981 Apr;45(4):743–63
Center-surround antagonistic organization in small-field luminosity horizontal cells of turtle retina. Piccolino M, et al. **J Neurophysiol** 1981 Mar;45(3):363–75
Effects of monocular deprivation on neurons in cat's lateral suprasylvian visual area. I. Comparison of binocular and monocular segments. Spear PD, et al. **J Neurophysiol** 1980 Sep;44(3):568–84
Effects of monocular deprivation on neurons in cat's lateral suprasylvian visual area. II. Role of visual cortex and thalamus in the abnormalities. Tong L, et al. **J Neurophysiol** 1980 Sep;44(3):585–604
Glycinergic pathways in the goldfish retina. Marc RE, et al. **J Neurosci** 1981 Feb;1(2):152–65
Characteristics of growth-associated polypeptides in regenerating toad retinal ganglion cell axons. Skene JH, et al. **J Neurosci** 1981 Apr;1(4):419–26
Two types of bipolar microelectrodes for intraretinal use. Alferdinck JW, et al. **J Neurosci Methods** 1981 Apr; 3(4):397–404
Horizontal cell processes in teleost retina. Parthe V. **J Neurosci Res** 1981;6(1):113–8
Apodization model of the Stiles–Crawford effect. Carroll JP. **J Opt Soc Am** 1980 Sep;70(9):1155–6
Spectral sensitivity in the far peripheral retina. Stabell B, et al. **J Opt Soc Am** 1980 Aug;70(8):959–63
Contrast sensitivity measures and accuracy of image stabilization systems. Tulunay-Keesey U, et al. **J Opt Soc Am** 1980 Nov;70(11):1306–10
Light adaptation within the receptive field centre of rat retinal ganglion cells. Cicerone CM, et al. **J Physiol (Lond)** 1980 Apr;301:517–34
Dark adaptation within the receptive field centre of rat retinal ganglion cells. Cicerone CM, et al. **J Physiol (Lond)** 1980 Apr;301:535–48
GABA-antagonists and spatial summation in Y-type cat retinal ganglion cells. Kirby AW, et al. **J Physiol (Lond)** 1981 Mar;312:335–44
Relationship between the electroretinogram (ERG) and the proximal negative response (PNR). Fujimoto M, et al. **Jpn J Physiol** 1980;30(3):377–92
Numerical solution of the bioelectric field of the e.r.g. Doslak MJ, et al. **Med Biol Eng Comput** 1981 Mar;19(2):149–56
Retinomotor responses: role of microtubules. Klyne MA, et al. **Mikroskopie** 1980 Oct;36(7–8):199–212
Different postsynaptic events in two types of retinal bipolar cell. Ashmore JF, et al. **Nature** 1980 Nov 6;288(5786):84–6
An opiate system in the goldfish retina. Djamgoz MB, et al. **Nature** 1981 Aug 13;292(5824):620–3
Regenerative and passive membrane properties of isolated horizontal cells from a teleost retina. Johnston D, et al. **Nature** 1981 Jul 30;292(5822):451–4
Pretectal neurons project to the salamander retina. Fritzsch B, et al. **Neurosci Lett** 1981 Jun 12;24(1):13–7
Properties of ipsilateral retinogeniculate afferents in albino and hooded rats. Fukuda Y, et al. **Neurosci Lett** 1981 Mar 10;22(2):173–8
Changes in ERG b-wave and Müller cell structure induced by alpha-aminoadipic acid. Szamier RB, et al. **Neurosci Lett** 1981 Feb 6;21(3):307–12
The dual effect of L-proline on spreading depression in the chicken retina. Van Harreveld A, et al. **Neurosci Lett** 1981 May 29;23(3):329–32
Density of optic terminals in half tecta of goldfish with compressed retinotectal projections. Marotte LR. **Neuroscience** 1981;6(4):697–702
Functional organization of the mechanisms subserving the optokinetic nystagmus in the cat. Montarolo PG, et al. **Neuroscience** 1981;6(2):231–46
An anomalous uncrossed retinal input to lamina a of the cats dorsal lateral geniculate nucleus. Polley EH, et al. **Neuroscience** 1980;5(9):1603–8
Morphometric and electrophysiologic study of the photoreceptors in the horse. François J, et al. **Ophthalmologica** 1980;181(6):340–9
Size-analysis of retinal images by orientation detectors. Brigner WL. **Percept Mot Skills** 1980 Dec;51(3 Pt 2):1307–30
The Cartesian bull's eye in the classroom. Zusne L. **Percept Mot Skills** 1980 Dec;51(3 Pt 1):821–2
Inferred positive phototropic activity in human photoreceptors. Enoch JM, et al. **Philos Trans R Soc Lond [Biol]** 1981 Mar 3; 291(1051):323–51
Angiogenic activity from bovine retina: partial purification and characterization. D'Amore PA, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):3068–72
Light adaptation and temperature effects in rat PIII retinal response: analysis with a two-state model. Gale JG, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4021–5
Retinal rhythms in chicks: circadian variation in melantonin and serotonin N-acetyltransferase activity. Hamm HE, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4998–5002
The interpretation of a moving retinal image. Longuet-Higgins HC, et al. **Proc R Soc Lond [Biol]** 1980 Jul 17;208(1173):385–97
Interactions leading to colour opponency in ganglion cells of the turtle retina. Marchiafava PL, et al. **Proc R Soc Lond [Biol]** 1981 Mar 6;211(1183):261–7
The visual sensitivity of the retina of the conger eel. Shapley R, et al. **Proc R Soc Lond [Biol]** 1980 Aug 13; 209(1175):317–30
On the problem of retinal directional sensitivity. Weale RA. **Proc R Soc Lond [Biol]** 1981 May 7;212(1186):113–30
Synapse formation and modification between distal retinal neurons in larval and juvenile Xenopus. Witkovsky P, et al. **Proc R Soc Lond [Biol]** 1981 Mar 11;211(1184):373–89
Occipital alpha activity as a measure of retinal involvement in oculomotor control. Wertheim AH. **Psychophysiology** 1981 Jul;18(4):432–9
Diurnal changes in the pigeon electroretinogram. Barattini S, et al. **Rev Can Biol** 1981 Mar;40(1):133–7
Photoperiod effects on carbohydrate metabolites in the goldfish, Carassius auratus: role of the pineal and retinal pathways. Delahunty G, et al. **Rev Can Biol** 1980 Sep; 39(3):173–80
Anorthoscopic perception. Rock I. **Sci Am** 1981 Mar; 244(3):145–53
Rod–cone interaction in the distal human retina. Sandberg MA, et al. **Science** 1981 May 15;212(4496):829–31
Early removal of one eye reduces normally occurring cell death in the remaining eye. Sengelaub DR, et al. **Science** 1981 Jul 31;213(4507):573–4
Wavelength-dependent enhancement in brain and behavior [letter] Wasserman GS. **Science** 1981 Feb 13; 211(4483):732–3
Responses of cat retinal ganglion cells to the random motion of a spot stimulus. Eckhorn R, et al. **Vision Res** 1981; 21(4):435–43
Alteration in directional sensitivity of the retina by monocular occlusion. Enoch JM, et al. **Vision Res** 1980; 20(12):1185–9
Background adaptation in developing rat retina: an electroretinographic study. Fulton AB, et al. **Vision Res** 1980;20(10):819–26
Chromatic subclasses of frog retinal ganglion cells: studies using black stimuli moving on a monochromatic background. Grüsser-Cornehls U, et al. **Vision Res** 1981; 21(4):469–78
Off-axis image quality in the human eye. Jennings JA, et al. **Vision Res** 1981;21(4):445–55
Retinal ganglion cells and optic decussation of white cats. Levick WR, et al. **Vision Res** 1980;20(11):1001–6
Visual detection and resolution as a function of retinal locus. Lie I. **Vision Res** 1980;20(11):967–74
Intensity discrimination capacity of retinal ganglion cells of a tree shrew (Tupaia chinensis). ter Laak HJ, et al. **Vision Res** 1980;20(2):149–57
Pupillary light reflex in humans: evidence for an unbalanced pathway from nasal retina, and for signal cancellation in brainstem. Wyatt HJ, et al. **Vision Res** 1981;21(4):513–25
Retinal area specificity in the McCollough effect: the role of fixation points. Murch GM. **Z Exp Angew Psychol** 1980; 27(3):500–8
[Aging of the retina] Babel J. **Bull Mem Soc Fr Ophtalmol** 1980;92:349–56 **(Fre)**
[The influence of PCO2 on the localized ERG in the perfused frog retina (author's transl)] Pournaras C, et al. **Klin Monatsbl Augenheilkd** 1980 Apr;176(4):524–8 (Eng. Abstr.) **(Fre)**
[The effect of light on glycogen turnover in the retina of the honeybee drone (author's transl)] Tsacopoulos M, et al. **Klin Monatsbl Augenheilkd** 1980 Apr;176(4):519–21 (Eng. Abstr.) **(Fre)**
[Retinal adaptations to habitat] Ali MA. **Rev Can Biol** 1981 Mar;40(1):3–17 (Eng. Abstr.) **(Fre)**
[Interactions between retino-collicular and retino-cortical pathways at the level of the lateral geniculate nucleus] Molotchnikoff S. **Rev Can Biol** 1981 Mar;40(1):77–84 (Eng. Abstr.) **(Fre)**
[Decreasing local stereopsis with increasing horizontal disparity, indicating decreasing density of binocular cortical projection towards the limits of Panum's area (author's transl)] Friedburg D. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 213(2):109–14 (Eng. Abstr.) **(Ger)**
[Changes in the cat's visual system following retinal lesions. A functional reorganization in the mature central nervous system (author's transl)] Eysel U, et al. **Arch Psychiatr Nervenkr** 1980;228(2):117–33 (Eng. Abstr.) **(Ger)**
[Retinometer examinations in cataract patients (author's transl)] Makabe R. **Klin Monatsbl Augenheilkd** 1980 May; 176(5):806–7 (Eng. Abstr.) **(Ger)**
[Effect of infrared rays to the rabbit retina. Part 4. Correlation between the retinal temperature and choroidal circulation (author's transl)] Hata F. **Nippon Ganka Gakkai Zasshi** 1980 Aug;84(8):953–62 (Eng. Abstr.) **(Jpn)**
[Studies on the vitreous as supporting tissue of retinal activity. IV. Effects of physiological salt solution, BSS and S-MA2 on the ERG of in vivo eye-cup preparation of rabbits (author's transl)] Kawano S, et al. **Nippon Ganka Gakkai Zasshi** 1980 Oct 10;84(10):1777–80 (Eng. Abstr.) **(Jpn)**
[Abolition of the light rise by aspartate (author's transl)] Madachi-Yamamoto S. **Nippon Ganka Gakkai Zasshi** 1980 Jul 10;84(7):607–16 (Eng. Abstr.) **(Jpn)**
[Studies on the effect of pan-photocoagulation on the retinal function. Report 2. Clinical and experimental studies (author's transl)] Toyama K, et al. **Nippon Ganka Gakkai Zasshi** 1980 Aug;84(8):817–23 (Eng. Abstr.) **(Jpn)**
[Light-conducting-fibre properties of retinal receptors (author's transl)] Romaniukowa IU, et al. **Klin Oczna** 1981 Jan;83(1):29–30 **(Pol)**
[New data on the molecular mechanisms of retinal bioelectrogenesis] Chirieri E, et al. **Rev Chir [Oftalmol]** 1980 Apr–Jun;24(2):89–92 (Eng. Abstr.) **(Rum)**
[Effect of pulsed ultrasound on photoreceptors] Shchekanov EE. **Fiziol Zh SSSR** 1980 Nov;66(11):1715–7 **(Rus)**

[Typical errors of skiascopy] Sergienko NM. **Oftalmol Zh** 1980;35(6):369–71 **(Rus)**

[Retinal hemodynamic evaluation by fluorescein angiographic data on the fundus oculi] Krol' DS, et al. **Vestn Oftalmol** 1981 Jan–Feb;(1):23–6 (Eng. Abstr.) **(Rus)**

[Mechanisms of centrifugal regulation of the retinal sensitivity of Rana temporaria frog eyes] Shostak VI, et al. **Zh Evol Biokhim Fiziol** 1980 Sep–Oct;16(5):532–5 (Eng. Abstr.) **(Rus)**

[Effect of heteromodal stimulation on evoked responses of the rabbit visual system] Shostak VI. **Zh Vyssh Nerv Deiat** 1980 Jul–Aug;30(4):851–3 **(Rus)**

PHYSIOPATHOLOGY

Correlation of visual evoked potentials, ophthalmological and neurological findings after unilateral optic neuritis. Bynke H, et al. **Acta Ophthalmol (Copenh)** 1980 Oct;58(5):673–87

Electroretinogram (ERG) and visual evoked response (VER) studies in patients with optic disc drusen. Mustonen E, et al. **Acta Ophthalmol (Copenh)** 1980 Aug;58(4):539–49

The ERG c-wave in vitelliruptive macular degeneration (VMD). Nilsson SE, et al. **Acta Ophthalmol (Copenh)** 1980 Aug;58(4):659–66

Effect of blood glucose control on retinal vascular permeability in insulin-dependent diabetes mellitus. Bleicher SJ, et al. **Diabetes Care** 1980 Jan–Feb;3(1):184–6

The use of non-linear analysis of the primate ERG to detect retinal dysfunction. Ogden TE, et al. **Exp Eye Res** 1980 Oct;31(4):381–8

Retinal visual acuity and CME [letter] Colvard DM, et al. **J Am Intraocul Implant Soc** 1980 Oct;6(4):372

Recovery from macular photostress and slow retinal potentials in cured retinal detachment. Krastel H, et al. **Ophthalmologica** 1980;181(1):47–52

The effect of retinal isomers on the VER and ERG of vitamin A deprived rats. Crouch R, et al. **Vision Res** 1980; 20(2):109–15

[Value of the Rodenstock retinometer in the preoperative evaluation of cataract (preliminary note)] Saracco JB, et al. **Bull Soc Ophtalmol Fr** 1980 Jun–Jul;80(6–7):573–7 (Eng. Abstr.) **(Fre)**

[Retinitis pigmentosa and its experimental model: II. Electrophysiological investigations (author's transl)] Sole P, et al. **Klin Oczna** 1980;82(11):561–2 (Eng. Abstr.) **(Pol)**

[Formation of a regeneration stimulus following after submandibular gland and liver injury in the presence of total sympathetic nervous system suppression] Denisov AB, et al. **Biull Eksp Biol Med** 1981 Mar;91(3):364–5 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Recovery of the rabbit retina after light damage (preliminary observations). McKechnie NM, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 212(3–4):271–83

Photohazards of intraocular lenses [letter] Drews RC. **Am J Ophthalmol** 1980 Nov;90(5):740–1

Retinal lesion after laser treatment – its relationship with environment (lighting) and age. Yew DT. **Anat Anz** 1980; 147(2):158–60

Retinal changes in rats flown on Cosmos 936: A cosmic ray experiment. Philpott DE, et al. **Aviat Space Environ Med** 1980 Jun;51(6):556–62

Effects of heavy ions on rabbit tissues: loss of electroretinogram and DNA repair in retinal photoreceptor cells. Keng PC, et al. **Int J Radiat Biol** 1981 Jun; 39(6):655–64

The technique and indications for photocoagulation in diabetic retinopathy. I. Principles of photocoagulation. Blach R, et al. **Int Ophthalmol** 1978 Sep;1(1):19–29

Retinal lesions due to ultraviolet laser exposure. Schmidt RE, et al. **Invest Ophthalmol Vis Sci** 1980 Oct;19(10):1166–75

Light-evoked changes in [K+]0 in retina of intact cat eye. Steinberg RH, et al. **J Neurophysiol** 1980 Nov; 44(5):897–921

Evidence for alteration in photoreceptor orientation. Enoch JM, et al. **Ophthalmology (Rochester)** 1980 Aug; 87(8):821–34

The regeneration of visual pigments and the change of rod hypersensitivity after irradiation by bleaching light in frog retina. Azuma K, et al. **Photochem Photobiol** 1980 Oct; 32(4):529–38

Pathways for photic entrainment of mammalian circadian rhythms. Rusak B, et al. **Photochem Photobiol** 1981 Aug; 34(2):267–73

Oxygen nuclei irradiation of retinas: long-term observations. Schmidt RE, et al. **Radiat Res** 1981 Feb;85(2):355–66

Intense light hazards in ophthalmic diagnosis and treatment. Proceedings of a symposium Houston, 25–26 October 1979. **Vision Res** 1980;20(12):1033–203

Fluorescein angiography: risks. Bloome MA. **Vision Res** 1980;20(12):1083–97

Potential hazards from specific ophthalmic devices. Calkins JL, et al. **Vision Res** 1980;20(12):1039–53

Retinal damage produced by intraocular fiber optic light. Fuller D, et al. **Vision Res** 1980;20(12):1055–72

The nature of retinal radiation damage: dependence on wavelength, power level and exposure time. Ham WT Jr, et al. **Vision Res** 1980;20(12):1105–11

Review of the macaque model of light damage with implications for the use of ophthalmic instrumentation. Lawwill T, et al. **Vision Res** 1980;20(12):1113–5

The role of ocular pigmentation in protecting against retinal light damage. Rapp LM, et al. **Vision Res** 1980; 20(12):1127–31

[Chorioretinal lesions induced by radiotherapy] Zografos L, et al. **Bull Mem Soc Fr Ophtalmol** 1980;92:325–31 (Fre)

[Functional alterations in the retina following a 10 Gy gamma irradiation localized in the eye] Bagot JD, et al. **C R Acad Sci [D] (Paris)** 1980 Nov 17;291(10):817–20 (Eng. Abstr.) (Fre)

[Relationship between photoinduced changes in the intercellular concentration of potassium ions and transretinal potential generation by the Muller cells of the retina] Bykov KA, et al. **Biofizika** 1981 Jan–Feb; 26(1):104–7 (Eng. Abstr.) **(Rus)**

[Accumulation of lipid peroxidation products and suppression of the retinal electrical activity of vitamin E deficient rats exposed to high intensity light] Marzoev AI, et al. **Biull Eksp Biol Med** 1981 Feb;91(2):165–7 (Eng. Abstr.) **(Rus)**

[Experimental injurious action of visible light on the retina (electrophysiological and electron microscopic studies)] Zueva MV, et al. **Vestn Oftalmol** 1980 Jul–Aug;(4):48–51 **(Rus)**

SECRETION

The effect of colchicine and cytochalasin B on the release of taurine from the chick retina. Pasantes-Morales H, et al. **J Neurochem** 1980 Jan;34(1):172–7

Light-induced calcium release by intact retinal rods. Gold GH, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5557–61

SURGERY

Nitrous oxide levels during retinal cryosurgery. Marcus DF, et al. **Arch Ophthalmol** 1981 Mar;99(3):457–9

Surgery of epiretinal membranes. Michels RG. **Dev Ophthalmol** 1981;2:175–84

[Tissue effects of argon laser photocoagulation at threshold doses. Experimental study on the retina of the miniature pig and the rabbit] Schepens JM, et al. **Adv Ophthalmol** 1981;42:18–55 **(Fre)**

[Effects of argon laser pan-retinal photocoagulation on the electrooculogram (first results from 12 eyes with diabetic retinopathy)] Berard PV, et al. **Bull Soc Ophtalmol Fr** 1979 Nov–Dec;79(11–12):1077–86 (Eng. Abstr.) **(Fre)**

[Tolerance to silastic sponges in chorioretinal surgery (retrospective study : 1973–1978)] Bronner A, et al. **Bull Soc Ophtalmol Fr** 1980 Aug–Sep;80(8–9):651–3 (Eng. Abstr.) **(Fre)**

[Role of the argon laser in the treatment of von Hippel's retinal capillary angiomatosis] Haut J, et al. **Bull Soc Ophtalmol Fr** 1981 Apr–May;81(4–5):467–70 (Eng. Abstr.) **(Fre)**

[Limitations and contraindications of panretinal photocoagulation in diabetic retinopathy (clinical cases)] Taillanter N, et al. **Bull Soc Ophtalmol Fr** 1981 Apr–May; 81(4–5):487–9 **(Fre)**

[The strength of retinal sear tissue after argon-, xenon-, and cryocoagulation (author's transl)] Böse M, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 216(4):291–9 (Eng. Abstr.) **(Ger)**

[Circulatory pattern under electro-stimulation-analgesia and neurolept-anaesthesia in the same patient. A comparative study during retinal and vitreous body operations (author's transl)] Abdulla W, et al. **Anaesthesist** 1981 May; 30(5):223–8 (Eng. Abstr.) **(Ger)**

[Experimental study on eye wall resection for biopsy of the intraocular tissue (author's transl)] Oyamada Y. **Nippon Ganka Gakkai Zasshi** 1981 Mar;85(3):258–68 (Eng. Abstr.) **(Jpn)**

[Value of systematic photocoagulation with argon laser of peripheral retina in aphakia (author's transl)] Saracco JB, et al. **Klin Oczna** 1980 Aug;82(8):411–3 **(Pol)**

[Main prerequisites for prophylactic cryoretinopexy] Babanina IuD, et al. **Oftalmol Zh** 1981;36(2):74–7 (Eng. Abstr.) **(Rus)**

[Efficacy and effectiveness of using circular transconjunctival cryoretinopexy for preventing retinal detachment in cataract patients based on follow-up data] Goriachev IuE, et al. **Oftalmol Zh** 1981;36(2):77–80 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Specific projections of retina transplanted to rat brain. McLoon SC, et al. **Exp Brain Res** 1980;40(3):273–82

ULTRASTRUCTURE

Retinal amacrine cell involvement in Tay-Sachs disease. Nagashima K, et al. **Acta Neuropathol (Berl)** 1981; 53(4):333–6

Ultrastructural evidence of a peripheral nervous system pattern of myelination in the avascular retina of the Guinea pig. Wyse JP, et al. **Acta Neuropathol (Berl)** 1981; 54(3):203–10

An electron microscopic study of the epiretinal membrane of human eyes. Harada T, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 215(4):327–39

Scanning electron microscopy of frozen-cracked, dry-cracked, and enzyme-digested retinal tissue of a monkey (Cercopithecus aethiops) and of man. Prause JU, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 212(3–4):261–70

Experimental tractional retinal detachment in rabbits. Clinical picture and histopathologic features. Trese MT, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 214(4):213–22

Ultrastructure of traction retinal detachment in rhesus monkey eyes after a posterior penetrating ocular injury. Cleary PE, et al. **Am J Ophthalmol** 1980 Dec;90(6):829–45

Ultrastructural features of progressive idiopathic epiretinal membrane removed by vitreous surgery. Kampik A, et al. **Am J Ophthaimol** 1980 Dec;90(6):797–809

An ultrastructural study of the corpora amylacea of the optic nerve head and retina. Woodford B, et al. **Am J Ophthalmol** 1980 Oct;90(4):492–502

The fine structure of the retinal epithelium in the scissortail (Rasbora trilineata) (Teleost). Braekevelt CR. **Anat Anz** 1980;148(3):225–35

Epiretinal and vitreous membranes. Comparative study of 56 cases. Kampik A, et al. **Arch Ophthalmol** 1981 Aug; 99(8):1445–54

Retinal abnormalities in ophthalmoplegic lipidosis. Taylor D, et al. **Br J Ophthalmol** 1981 Jul;65(7):484–8

The outer retina and tapetum lucidum of the snook Centropomus undecimalis (Teleostei). Eckelbarger KJ, et al. **Can J Zool** 1980 Jun;58(6):1042–51

A retinal projection to the lateral hypothalamus in the rat. Riley JN, et al. **Cell Tissue Res** 1981;214(2):257–69

Myelinated axons of ganglion cells in the retinae of teleosts. Wolburg H. **Cell Tissue Res** 1980;210(3):517–20

Age-dependent differences in cognin regeneration on embryonic retina cells: immunolabeling and SEM studies. Ben-Shaul Y, et al. **Dev Neurosci** 1980;3(2):66–74

Formation of basement membranes and collagenous fibrils in peripheral cystoid degeneration and retinoschisis. Göttinger W. **Dev Ophthalmol** 1981;2:363–8

Retinal degenerations in the dog. II. Development of the retina in rod-cone dysplasia. Buyukmihci N, et al. **Exp Eye Res** 1980 May;30(5):575–91

Kainic acid induces mitoses in mature retinal neurones in rats. Lessell S, et al. **Exp Eye Res** 1980 Jun;30(6):731–8

Electron microscopic studies on celestial goldfish retina–a possible new type of retinal degeneration in experimental animals. Matsumura M, et al. **Exp Eye Res** 1981 May; 32(5):649–56

A stereoscan analysis of cell surface characteristics during the interkinetic nuclear migration in normal and colchicine-treated developing chick retina. Garcia-Porrero JA, et al. **Experientia** 1981 Feb 15;37(2):181–2

Cone mosaics in a teleost retina: changes during light and dark adaptation. Kunz YW. **Experientia** 1980 Dec 15; 36(12):1371–4

Morphogenesis of the dopaminic vesicles in the rabbit's retina. Foroglou C, et al. **Folia Morphol (Praha)** 1981; 29(1):107–9

Histopathologic evaluation of adhesive properties of early lesions in diathermy and cryopexy. Sipperley JO, et al. **Int Ophthalmol** 1981 Mar;3(2):107–10

Ultrastructural studies on lysosomes in retinal Müller cells of streptozotocin-diabetic rats. Hori S, et al. **Invest Ophthalmol Vis Sci** 1980 Nov;19(11):1295–1300

Ultrastructure of the preretinal membrane in retinitis pigmentosa. Szamier RB. **Invest Ophthalmol Vis Sci** 1981 Aug;21(2):227–36

An ultrastructural study of the normal synaptic organization of the optic tectum and the degenerating tectal afferents from retina, telencephalon, and contralateral tectum in a teleost, Holocentrus rufus. Ito H, et al. **J Comp Neurol** 1980 Jun 15;191(4):639–59

Lateral contacts and interactions of horizontal cell dendrites in the retina of the larval tiger salamander. Lasansky A. **J Physiol (Lond)** 1980 Apr;301:59–68

Retinal and cerebellar changes in early fetal Sandhoff disease (GM2-gangliosidosis type 2). Nørby S, et al. **Metab Pediatr Ophthalmol** 1980;4(3):115–9

Atypical neural sheaths formed by Müller cells in chicken retina. Inoue Y, et al. **Okajimas Folia Anat Jpn** 1980 Aug; 57(2–3):79–88

Differentiation of the guinea pig eye: nuclear ultrastructure, template activity and DNA content. Schmalenberger B. **Protoplasma** 1980;103(4):377–91

[Ultrastructure of the bat retina by transmission and scanning electron microscopy] Puzzolo D, et al. **Arch Ital Anat Embriol** 1979;84(2):129–47 (Eng. Abstr.) **(Ita)**

[Monoaminergic neurons of monkey retina (author's transl)] Akagi Y, et al. **Nippon Ganka Gakkai Zasshi** 1980 Aug; 84(8):771–80 (Eng. Abstr.) **(Jpn)**

[Retinal recovery from vitamin E deficiency (author's transl)] Amemiya T. **Nippon Ganka Gakkai Zasshi** 1981 May 10; 85(5):410–14 (Eng. Abstr.) **(Jpn)**

[Retinal microglia: identification of microglia of the rat retina by light and electron microscopy (author's transl)] Kohno T. **Nippon Ganka Gakkai Zasshi** 1980 Aug;84(8):787–803 (Eng. Abstr.) **(Jpn)**

[Specialized membrane organizations of Müller cells (author's transl)] Matsumura M, et al. **Nippon Ganka Gakkai Zasshi** 1981;85(4):286–95 (Eng. Abstr.) **(Jpn)**

[Effects of experimental photocoagulation with krypton and

argon lasers (author's transl)] Matsushima S. **Nippon Ganka Gakkai Zasshi** 1980 Aug;84(8):824–35 (Eng. Abstr.) **(Jpn)**

[Retina of albino corydoras containing equal number of rod and cone cells (author's transl)] Ohkuma M, et al. **Nippon Ganka Gakkai Zasshi** 1981 May 10;85(5):342–8 (Eng. Abstr.) **(Jpn)**

RETINAL ARTERY

Retinal emboli in patients with mitral valve prolapse. Caltrider ND, et al. **Am J Ophthalmol** 1980 Oct;90(4):534–9

Mitral valve prolapse questioned [letter] Jampol LM. **Am J Ophthalmol** 1981 Feb;91(2):275–6

Retinal arterial loop occlusion. Regenbogen L, et al. **Ann Ophthalmol** 1981 Jun;13(6):729–32

Salmon-patch hemorrhages after central retinal artery occlusion in sickle cell disease. Jampol LM, et al. **Arch Ophthalmol** 1981 Feb;99(2):237–40

Visual prognosis following treatment of acute central retinal artery obstruction. Augsburger JJ, et al. **Br J Ophthalmol** 1980 Dec;64(12):913–7

Experimental occlusion of the central artery of the retina. IV: Retinal tolerance time to acute ischaemia. Hayreh SS, et al. **Br J Ophthalmol** 1980 Nov;64(11):818–25

Experimental occlusion of the central artery of the retina. I. Ophthalmoscopic and fluorescein fundus angiographic studies. Hayreh SS, et al. **Br J Ophthalmol** 1980 Dec; 64(12):896–912

Central retinal artery occlusion following cosmetic blepharoplasty. Kelly PW, et al. **Br J Ophthalmol** 1980 Dec;64(12):918–22

Calcified left ventricular thrombus causing repeated retinal arterial emboli: clinical, echocardiographic, and pathologic features. Cullen JG, et al. **Chest** 1981 Jun;79(6):708–10

Acupuncture in retinal arterial occlusion. Zheng JZ, et al. **Chin Med J [Engl]** 1981 Mar;94(3):175–80

Carotid-retinal embolism with coexistent mitral valve prolapse. Baker RS, et al. **Neurology (NY)** 1981 Sep; 31(9):1192–3

Treatment of retinal arterial occlusion. Rossmann H. **Ophthalmologica** 1980;180(2):68–74

Retinal arterial obstruction in children and young adults. Brown GC, et al. **Ophthalmology (Rochester)** 1981 Jan; 88(1):18–25

Active central retinal artery embolization. Ivan DJ, et al. **Ophthalmology (Rochester)** 1981 Jul;88(7):673–5

[Embolism of central retinal artery caused by retrobulbar injection of air and hemorrhage (author's transl)] Zhang FH. **Chung Hua Yen Ko Tsa Chih** 1979;15(3):189–90 **(Chi)**

[Influence of fundus sclerosis and blood pressure on the ability of compensation of ocular circulation (author's transl)] Köhler U, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 214(3):193–203 (Eng. Abstr.) **(Ger)**

[Retinal hemorrhage associated with retinal artery macroaneurysm (author's transl)] Makabe R. **Klin Monatsbl Augenheilkd** 1981 Jun;178(6):471–2 (Eng. Abstr.) **(Ger)**

[Branch occlusion of the central retinal artery during coronary angiography (author's transl)] Radda TM, et al. **Klin Monatsbl Augenheilkd** 1980 Jun;176(6):975–7 (Eng. Abstr.) **(Ger)**

[Treatment of central retinal venous and arterial occlusion by isovolemic hemodilution (author's transl)] Wiederholt M, et al. **Klin Monatsbl Augenheilkd** 1980;177(2):157–64 **(Ger)**

[Ophthalmic signs in clinical picture of fat embolism (author's transl)] Niżankowska H. **Klin Oczna** 1980 May;82(5):269–71 **(Pol)**

[Fluorescence angiographic signs of retinal artery embolism] Atanov DI. **Vestn Oftalmol** 1980 Jul–Aug;(4):42–5 (Eng. Abstr.) **(Rus)**

[Fluorescein angiography in retinal arteritis causing acute circulatory disorders in the central artery branches] Atanov DI. **Vestn Oftalmol** 1980 Nov–Dec;(6):60–4 **(Rus)**

ABNORMALITIES

Congenital bilateral arterial anastomosis between the choroid and peripheral retina. van Nouhuys CE, et al. **Am J Ophthalmol** 1980 Aug;90(2):154–9

[Retinal congenital arterial loop and hemorrhage of the vitreous (author's transl)] Soubrane G, et al. **J Fr Ophtalmol** 1981;4(1):51–5 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

[Study of cyclandelate vaso-active properties by the measure of the ear-retina time in the rabbit (author's transl)] Andermann C, et al. **Ann Pharm Fr** 1980;38(3):253–60 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

Central retinal arteries in the full-term newborn: decrease in width and tortuosity during uneventful adaptation. Fahrni R, et al. **Helv Paediatr Acta** 1981;36(2):107–21

PHYSIOPATHOLOGY

The influence of hyperosmotic stress on the blood-retinal barrier effects on the electroretinogram. Törnquist P, et al. **Acta Ophthalmol (Copenh)** 1980 Oct;58(5):707–11

Calcium emboli to the retinal artery in calcific aortic stenosis. Brockmeier LB, et al. **Am Heart J** 1981 Jan;101(1):32–7

[Clinical application of EER (electrically evoked response). (3) Analysis of EER in patients with central retinal arterial occlusion (author's transl)] Miyake Y, et al. **Nippon Ganka Gakkai Zasshi** 1980 Jul 10;84(7):587–93 (Eng. Abstr.) **(Jpn)**

SURGERY

Acquired macroaneurysms of the retinal arteries. François J. **Int Ophthalmol** 1979 Jul;1(3):153–61

Retinal vessel photocoagulation: a quantitative comparison of argon and krypton laser. Wieder M, et al. **Invest Ophthalmol Vis Sci** 1981 Mar;20(3):418–24

[Evolution of peripheral retinal lesions of hemoglobinopathies following photocoagulation] Leroux Les Jardins S, et al. **Bull Mem Soc Fr Ophtalmol** 1980; 92:56–8 **(Fre)**

RETINAL DEGENERATION

see related
AMAUROTIC FAMILIAL IDIOCY

[The unexplained Kearns-Shy syndrome] Adams AE. **ZFA (Stuttgart)** 1980 Oct 31;56(30):2037–8 **(Ger)**

BLOOD

Possible syndrome of high myopia with retinal degeneration, cataract, manic depression, and elevated plasma amino acids. Heckenlively J. **Metab Pediatr Ophthalmol** 1980; 4(3):155–60

The rate of the blood oxygen discharge in patients with tapeto-retinal abiotrophy. Zaretskaya RB, et al. **Metab Pediatr Ophthalmol** 1980;4(1):43–6

CHEMICALLY INDUCED

Effect of monosodium glutamate on retinal vessel development and permeability in rats. Beilhorn RW, et al. **Invest Ophthalmol Vis Sci** 1981 Aug;21(2):237–47

The toxic effect of L-cysteine on the rat retina. A morphological and biochemical study. Pedersen OO, et al. **Invest Ophthalmol Vis Sci** 1980 Aug;19(8):886–92

COMPLICATIONS

Choroideremia, obesity, and congenital deafness. Ayazi S. **Am J Ophthalmol** 1981 Jul;92(1):63–9

Heterogeneity of retinal degeneration and hearing impairment syndromes. Bateman JB, et al. **Am J Ophthalmol** 1980 Dec;90(6):755–67

Retinal pigment epithelial degeneration associated with leukocytic arylsulfatase A deficiency. Weiter JJ, et al. **Am J Ophthalmol** 1980 Dec;90(6):768–72

Bilateral retinal pigment epithelium changes associated with periorbital vitiligo and seizure disorders. Rosenbaum J, et al. **Ann Ophthalmol** 1979 Aug;11(8):1191–3

Chorioretinopathy and pituitary dysfunction. The CPD syndrome. Judisch GF, et al. **Arch Ophthalmol** 1981 Feb; 99(2):253–6

Retinal dystrophy associated with a postnatal amelanosis in the chicken. Smyth JR Jr, et al. **Invest Ophthalmol Vis Sci** 1981 Jun;20(6):799–803

Tapeto-retinal degeneration associated with renal disease. Edwards WC, et al. **J Pediatr Ophthalmol Strabismus** 1981 Jan–Feb;18(1):55–7

[Friedreich spino-cerebellar heredoataxia combined with an atypical tapeto-retinal degenervation (author's transl)] Bourquin M. **Arch Genet (Zur)** 1978;51(3):135–92 (162 ref.) (Eng. Abstr.) **(Fre)**

[Distribution of retinal tears in relation to rupturing peripheral degenerative lesions] Bec P, et al. **Bull Soc Ophtalmol Fr** 1980 Oct;80(10):867–9 **(Fre)**

[A case of Spielmeyer-Vogt disease] François P, et al. **Bull Soc Ophtalmol Fr** 1979 Aug–Sep;79(8–9):773–4 (Eng. Abstr.) **(Fre)**

[Fundus flavimaculatus and dystrophy of the cones] Malbrel C, et al. **Bull Soc Ophtalmol Fr** 1979 Nov–Dec; 79(11–12):1099–102 (Eng. Abstr.) **(Fre)**

[Choroidal neovessels associated with reticular dystrophy of the pigment epithelium (case report)] Taillanter-Francoz N, et al. **Bull Soc Ophtalmol Fr** 1981 Apr–May; 81(4–5):539–41 (Eng. Abstr.) **(Fre)**

[Ophthalmologic problems peculiar to carriers of tapetoretinal degeneration educated in centers for the visually handicapped] Verin P, et al. **Bull Soc Ophtalmol Fr** 1981 Apr–May;81(4–5):441–3 **(Fre)**

[Heredoataxia, tapetoretinal degeneration and dysmorphosis in a boy aged 16 (author's transl)] Bourquin M, et al. **Klin Monatsbl Augenheilkd** 1980 Apr;176(4):694–8 (Eng. Abstr.) **(Fre)**

[Late results of the prevention of retinal detachment in the sister eye in unilateral retinal dystrophic detachment] Saksonova EO, et al. **Oftalmol Zh** 1981;36(2):70–4 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Computer densitometry of retinal nerve fibre atrophy. A pilot study. Lundström M, et al. **Acta Ophthalmol (Copenh)** 1980 Aug;58(4):639–44

Peripheral retinal degenerations and breaks. Kottow M. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 214(1):53–60

Clinical features of degenerative retinoschisis. Straatsma BR. **Aust J Ophthalmol** 1980 Aug;8(3):201–6

L-Ornithine ketoacid-transaminase assay in hair roots of homozygotes and heterozygotes for gyrate atrophy. Janssen AJ, et al. **Clin Chim Acta** 1981 Jun 18;113(2):213–6

Rhodopsin measurement in human disease: fundus reflectometry using television. Kemp CM, et al. **Dev Ophthalmol** 1981;2:130–4

Chorioretinal dysplasia in young subjects with Wagner's hereditary vitreoretinal degeneration. Van Nouhuys CE. **Int Ophthalmol** 1981 Mar;3(2):67–77

[A degenerative condition called 'Sorby's pseudo-inflammation'] Hochart G, et al. **Bull Soc Ophtalmol Fr** 1979 Nov–Dec;79(11–12):1103–5 (Eng. Abstr.) **(Fre)**

[Multiple bilateral pigmented epithelium detachments or atypical vitelliform degeneration? (author's transl)] Greco GM, et al. **J Fr Ophtalmol** 1980 Dec;3(12):749–52 (Eng. Abstr.) **(Fre)**

[The terminology of blindness: remarks on the behavior of the ophthalmologist in cases of tapetoretinal degeneration (author's transl)] Baumann HE. **Klin Monatsbl Augenheilkd** 1980 Apr;176(4):672–5 (Eng. Abstr.) **(Ger)**

[Tapetoretinal dystrophy--a diagnosis involving obligation (author's transl)] Huismans H. **Klin Monatsbl Augenheilkd** 1980 Oct;177(4):506–12 (Eng. Abstr.) **(Ger)**

[Study of lattice degeneration of the retina. Part I. Clinical features of lattice degeneration of the retina without retinal detachment (author's transl)] Shiomi Y. **Nippon Ganka Gakkai Zasshi** 1980 Nov 10;84(11):2036–42 (Eng. Abstr.) **(Jpn)**

[Tapeto-retinal degeneration of the posterior pole] Buzna E. **Rev Chir [Oftalmol]** 1981 Jan–Mar;25(1):65–9 **(Rum)**

[Detection of the early dystrophic retinal changes by electrophysiological methods] Mironova EM, et al. **Vestn Oftalmol** 1980 Sep–Oct;(5):51–3 (Eng. Abstr.) **(Rus)**

DIET THERAPY

Reduction of hyperornithinemia with a low protein, low arginine diet and pyridoxine in patients with a deficiency of ornithine-ketoacid transaminase (OKT) activity and gyrate atrophy of the choroid and retina. Shih VE, et al. **Clin Chim Acta** 1981 Jul 1;113(3):243–51

Gyrate atrophy of the choroid and retina: improved visual function following reduction of plasma ornithine by diet. Kaiser-Kupfer MI, et al. **Science** 1980 Dec 5; 210(4474):1128–31

DRUG THERAPY

Hyperornithinaemia associated with gyrate atrophy of the choroid and retina: in vivo and in vitro response to vitamin B6. Tada K, et al. **J Inherited Metab Dis** 1981;4(2):61–2

Effect of treatment on oxygen absorption kinetics in patients with retinal dystrophy. Trutneva KV, et al. **Metab Pediatr Ophthalmol** 1980;4(4):197–200

ENZYMOLOGY

A decrease in guanylate cyclase activity in some tissues of C3H/HeJ mice with retinal dystrophy. Di Giorgio RM, et al. **Ital J Biochem** 1980 May–Jun;29(3):191–201

[Retinol dehydrogenase in mouse retina. Studies on hereditary dystrophic (C3H) mouse (author's transl)] Ishiguro S. **Nippon Ganka Gakkai Zasshi** 1980 Aug; 84(8):653–6 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Retinal pigment epithelial degeneration and arylsulfatase A deficiency [letter] Zlotogora J, et al. **Am J Ophthalmol** 1981 Jul;92(1):136–8

Disc leak in the pathogenesis of posterior retinal degenerations. Walter CJ. **Aust J Ophthalmol** 1980 Aug; 8(3):235–9

Pseudo-exfoliation of the lens capsule (exfoliation syndrome) after iridocapsular lensimplantation. Hanssens M, et al. **Bull Soc Belge Ophtalmol** 1980;187(2):71–81

Degenerative retinal diseases and exposure to light: methods of epidemiological study. Krueger DE. **Vision Res** 1980; 20(12):1191–4

[The eye in nephronophtisis (editorial)] Nemet P, et al. **Harefuah** 1980 Aug;99(3–4):93–5 **(Heb)**

FAMILIAL & GENETIC

Stickler's syndrome. Nielsen CE. **Acta Ophthalmol (Copenh)** 1981 Apr;59(2):286–95

Autosomal dominant cone-rod dystrophy: a linkage study with 17 biochemical and serological markers. Ferrell RE, et al. **Am J Med Genet** 1981;8(3):363–9

Low retinal dopamine and serum prolactin levels indicate an inherited dopaminergic abnormality in BW rats. Wyse JP, et al. **Exp Eye Res** 1981 May;32(5):541–51

The Wagner-Stickler syndrome: a study of 22 families. Liberfarb RM, et al. **J Pediatr** 1981 Sep;99(3):394–9

Breakdown of blood. Retinal barrier in RCS rats with inherited retinal degeneration. Essner E, et al. **Lab Invest** 1980 Nov;43(5):418–26

Phenotypic variations in renal-retinal dysplasia. Godel V, et al. **Metab Pediatr Ophthalmol** 1980;4(3):161-3

Ocular findings in patients with gyrate atrophy on pyridoxine and low-protein, low-arginine diets. Berson EL, et al. **Ophthalmology (Rochester)** 1981 Apr;88(4):311-5

Visual results of a long-term trial of a low-arginine diet in gyrate atrophy of choroid and retina. Kaiser-Kupfer MI, et al. **Ophthalmology (Rochester)** 1981 Apr;88(4):307-10

Systemic manifestations of gyrate atrophy of the choroid and retina. Kaiser-Kupfer MI, et al. **Ophthalmology (Rochester)** 1981 Apr;88(4):302-6

Experimental model of gyrate atrophy in animals. Kuwabara T, et al. **Ophthalmology (Rochester)** 1981 Apr;88(4):331-5

The natural history of gyrate atrophy of the choroid and retina. Takki KK, et al. **Ophthalmology (Rochester)** 1981 Apr;88(4):292-301

Gyrate atrophy of the choroid and retina. Biochemical considerations and experience with an arginine-restricted diet. Valle D, et al. **Ophthalmology (Rochester)** 1981 Apr; 88(4):325-30

Clinical trial of vitamin B6 for gyrate atrophy of the choroid and retina. Weleber RG, et al. **Ophthalmology (Rochester)** 1981 Apr;88(4):316-24

Interaction of environmental light and eye pigmentation with inherited retinal degenerations. LaVail MM. **Vision Res** 1980;20(12):1173-7

[Goldman-Favre hyaloid-tapeto-retinal degeneration] Neetens A, et al. **Bull Mem Soc Fr Ophtalmol** 1980; 92:185-90 **(Fre)**

[Congenital retinal folds] Toussaint D, et al. **Bull Soc Belge Ophtalmol** 1979 Feb 17;184:119-34 **(Fre)**

[Familiar annular pigmented retinal degeneration] Toussaint D, et al. **Bull Soc Belge Ophtalmol** 1979 Feb 17;184:157-74 **(Fre)**

[Genetic aspects of peripheral alterations in a family with retinal detachment] Constantinides G, et al. **Bull Soc Ophtalmol Fr** 1979 Nov-Dec;79(11-12):1091-2 (Eng. Abstr.) **(Fre)**

[Sex-linked juvenile retinoschisis. Apropos of 2 familial cases] Mouly A, et al. **Bull Soc Ophtalmol Fr** 1979 Nov-Dec; 79(11-12):985-9 (Eng. Abstr.) **(Fre)**

[Familial renal-retinal dysplasia - a combination of eye and kidney malformations] Eggert W, et al. **Z Aerztl Fortbild (Jena)** 1980 Jun 15;74(12):575-7 **(Ger)**

METABOLISM

Protein synthesis in retinas of rats with inherited retinal dystrophy. Battelle BA, et al. **Exp Eye Res** 1980 Sep; 31(3):251-69

Glucose uptake by normal and dystrophic rat retinas and ciliary bodies. Stramm LE, et al. **Exp Eye Res** 1980 Jun; 30(6):709-18

Low retinal dopamine and serum prolactin levels indicate an inherited dopaminergic abnormality in BW rats. Wyse JP, et al. **Exp Eye Res** 1981 May;32(5):541-51

Gyrate atrophy of the choroid and retina in a cat. Valle DL, et al. **Invest Ophthalmol Vis Sci** 1981 Feb;20(2):251-5

New methods of oxygenation studies on various eye diseases. Trutneva KV, et al. **Metab Pediatr Ophthalmol** 1980; 4(3):139-44

Cyclic GMP and visual cell degeneration in the inherited disorder of rd mice: a progress report. Lolley RN, et al. **Vision Res** 1980;20(12):1157-61

OCCURRENCE

[Palisade degeneration. Statistical study of 537 cases] Ravault M, et al. **Bull Soc Ophtalmol Fr** 1981 Apr-May; 81(4-5):497-500 **(Fre)**

[Study of lattice degeneration of the retina. Part 2. Clinical features of lattice degeneration of the retina (author's transl)] Shiomi Y. **Nippon Ganka Gakkai Zasshi** 1981 Mar; 85(3):269-75 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

Myopathy in hyperornithinemic gyrate atrophy of choroid and retina. Shapira Y, et al. **Isr J Med Sci** 1981 Apr; 17(4):271-6

Development and degeneration of retina in rds mutant mice: light microscopy. Sanyal S, et al. **J Comp Neurol** 1980 Nov 1;194(1):193-207

Progressive retinal degeneration in scrapie-infected hamsters: a light and electron microscopic analysis. Hogan RN, et al. **Lab Invest** 1981 Jan;44(1):34-42

Hyperornithinaemia and gyrate atrophy of the retina: improvement of vision during treatment with a low-arginine diet. McInnes RR, et al. **Lancet** 1981 Mar 7;1(8219):513-6

[Retinovitreous degeneration of the retinal periphery] Ravault MP, et al. **Annee Ther Clin Ophtalmol** 1979; 30:305-11 (Eng. Abstr.) **(Fre)**

[Subacute chorioretinal dystrophy of the arciform type. A new anatomo-clinical entity?] Amalric P. **Bull Soc Ophtalmol Fr** 1980 Jun-Jul;80(6-7):501-3 (Eng. Abstr.) **(Fre)**

[Unilateral pigmentary degeneration of the retina] Thaler A, et al. **Klin Monatsbl Augenheilkd** 1980 Feb;176(2):203-6 (Eng. Abstr.) **(Ger)**

[Retinal pigment layer, Bruch's membrane and choroid capillaries in experimental toxic tapetoretinal dystrophy] Voino-Iasenetskii VV, et al. **Oftalmol Zh** 1981;36(1):49-55 (Eng. Abstr.) **(Rus)**

[Cell proliferation in the retinal pigment epithelium of rats with hereditary retinal diseases (MSUBI, Campbell, Hunter)] Stroeva OG, et al. **Zh Obshch Biol** 1981 Jan-Feb; 42(1):99-105 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Electrophysiologic changes in chronic pars planitis. Cantrill HL, et al. **Am J Ophthalmol** 1981 Apr;91(4):505-12

Retinal degeneration in cats fed casein. IV. The early receptor potential. Berson EL, et al. **Invest Ophthalmol Vis Sci** 1981 Aug;21(2):345-50

The influence of the photoreceptor-RPE complex on the inner retina. An explanation for the beneficial effects of photocoagulation. Weiter JJ, et al. **Ophthalmology (Rochester)** 1980 Nov;87(11):1133-9

[Unilateral retinal pigment abiotrophy] Katsnel'son LA, et al. **Vestn Oftalmol** 1981 Mar-Apr;(2):68-9 **(Rus)**

PSYCHOLOGY

The effects of typical retinitis pigmentosa, Leber's congenital amaurosis, centro-peripheral dystrophy, and Usher's syndrome on educational and vocational success and personality development. Coker Stogner P. **Int J Rehabil Res** 1980;3(3):357-66

SURGERY

[Photocoagulation of degenerative lesions of the retinal periphery. A study of 790 cases and analysis of results] Bronner A, et al. **Bull Mem Soc Fr Ophtalmol** 1980; 92:65-72 **(Fre)**

[Occurrence of a macular epiretinal membrane after laser circular closure in retino-vitreous degeneration] Haut J, et al. **Bull Soc Ophtalmol Fr** 1981 Jan;81(1):75-8 **(Fre)**

VETERINARY

Retinal degeneration in Greyhounds. Slatter DH, et al. **Aust Vet J** 1980 Mar;56(3):106-15

Retinal degenerations in the dog. II. Development of the retina in rod-cone dysplasia. Buyukmihci N, et al. **Exp Eye Res** 1980 May;30(5):575-91

Electron microscopic studies on celestial goldfish retina-a possible new type of retinal degeneration in experimental animals. Matsumura M, et al. **Exp Eye Res** 1981 May; 32(5):649-56

Retinal degeneration in rhesus monkeys, Macaca mulatta. Survey of three seminatural free-breeding colonies. El-Mofty AA, et al. **Exp Eye Res** 1980 Aug;31(2):147-66

Retinal degeneration in a goat. Buyukmihci N. **J Am Vet Med Assoc** 1980 Aug 15;177(4):351-2

Taurine deficiency retinopathy in the cat. Barnett KC, et al. **J Small Anim Pract** 1980 Oct;21(10):521-34

Absence of receptor outer segments in the retina of rds mutant mice. Sanyal S, et al. **Neurosci Lett** 1981 Jan 1; 21(1):23-6

Induction of retinal degeneration in cats by methylnitrosourea and ketamine hydrochloride. Schaller JP, et al. **Vet Pathol** 1981 Mar;18(2):239-47

Feline retinal atrophy. Carlile JL. **Vet Rec** 1981 Apr 4; 108(14):311

[ERG of chotengan, celestial goldfish, with spontaneons retinal degeneration (author's transl)] Honda Y, et al. **Nippon Ganka Gakkai Zasshi** 1980 Jun 10;84(6):479-82 (Eng. Abstr.) **(Jpn)**

RETINAL DETACHMENT

see related

SCLERAL BUCKLING

Retinal dialysis: a statistical and genetic study to determine pathogenic factors. Hagler WS. **Trans Am Ophthalmol Soc** 1980;78:686-733

[Computer-assisted scientific research on the problems of retinal detachment (author's transl)] Kierzkowska A. **Klin Oczna** 1981;83(2):77-80 (Eng. Abstr.) **(Pol)**

BLOOD

Haptoglobin pattern in retinal detachments. Padma T, et al. **Indian J Med Res** 1980 Jun;71:914-7

CLASSIFICATION

Peripheral retinal tears: classification, prevalence and principles of management. Straatsma BR. **Aust J Ophthalmol** 1980 Nov;8(4):275-9

COMPLICATIONS

Retinal pigment epithelial detachments in posterior scleritis. Berger B, et al. **Am J Ophthalmol** 1980 Nov;90(5):604-6

Bilateral exudative retinal detachment in eclampsia without hypertensive retinopathy. Oliver M, et al. **Am J Ophthalmol** 1980 Dec;90(6):792-6

Congenital bilateral arterial anastomosis between the choroid and peripheral retina. van Nouhuys CE, et al. **Am J Ophthalmol** 1980 Aug;90(2):154-9

PIgment epithelial diseases with abnormal choroidal perfusion. Young NJ, et al. **Am J Ophthalmol** 1980 Nov; 90(5):607-18

Macular degeneration with pseudohypopyon: evolution of the geographic lesion. Kingham JD. **Ann Ophthalmol** 1981 Jan;13(1):85-8

Subretinal lens: an unusual complication of pars plana lensectomy. Katzen LB, et al. **Arch Ophthalmol** 1981 Aug; 99(8):1396-7

Familial retinal dialysis. Brown GC, et al. **Can J Ophthalmol** 1980 Oct;15(4):193-5

Presumed vitelliform dystrophy with perimacular flecks and retinal detachment. Laatikainen L. **Int Ophthalmol** 1979 Jul;1(3):163-70

Spontaneous corneal perforation with expulsion of the lens and retina in a premature infant. Backes CR, et al. **J Pediatr Ophthalmol Strabismus** 1980 Jul-Aug;17(4):242-4

Late complications of retrolental fibroplasia. Tasman W. **Ophthalmology (Rochester)** 1979 Oct;86(10):1724-40

Congenital myopia and retinal detachment. Scott JD. **Trans Ophthalmol Soc UK** 1980 Apr;100(Pt 1):69-71

Lens changes in retinal detachment. Scott JD. **Trans Ophthalmol Soc UK** 1979 Jul;99(2):241-3

[Syndrome of massive uveal effusion] Fouanon C, et al. **Bull Soc Ophtalmol Fr** 1980 Apr-May;80(4-5):455-7 **(Fre)**

[Undergoing retinal detachment and primitive ocular hypertension (author's transl)] Forest A, et al. **J Fr Ophtalmol** 1980 Dec;3(12):711-3 (Eng. Abstr.) **(Fre)**

[Aphakic retinal detachment. High incidence of macular hole (author's transl)] Yoshimura N, et al. **Nippon Ganka Gakkai Zasshi** 1980 Dec 10;84(12):2128-32 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Macular holes. James M, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 198?; 215(1):59-63

Ultrasonic and biomicroscopic observations on the vitreous space in patients with idiopathic detachment of the retina. Oksala A. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 214(3):205-12

Central serous retinopathy in a 7-year-old girl. Fine SL, et al. **Am J Ophthalmol** 1980 Dec;90(6):871-3

Lesions simulating serous detachment of the pigment epithelium. Occurrence after retinal detachment surgery. Avins LR, et al. **Arch Ophthalmol** 1980 Aug;98(8):1427-9

Tears of detached retinal pigment epithelium. Hoskin A, et al. **Br J Ophthalmol** 1981 Jun;65(6):417-22

Fluorescein angiography in toxaemia of pregnancy. Mabie WC, et al. **Br J Ophthalmol** 1980 Sep;64(9):666-71

The standing potential of the eye in retinal detachments. van der Torren K, et al. **Doc Ophthalmol** 1981 Mar 20; 50(2):337-42

ERG and VECPs in retinal detachments. van Lith GH, et al. **Doc Ophthalmol** 1981 Mar 20;50(2):291-7

Retinal detachment: where an early Dx is important. Sakamoto DK. **Geriatrics** 1981 Apr;36(4):87-93

Electrophysiological and echographical examination of very young children. Oguchi Y. **J Pediatr Ophthalmol Strabismus** 1980 Nov-Dec; 17(6):399-403

Retinal detachment in retrolental fibroplasia. Starzycka M, et al. **Ophthalmologica** 1980;181(5):261-5

Central serous chorioretinopathy (central serous retinopathy). Carr RE, et al. **Ophthalmology (Rochester)** 1980 Aug;87(8):841-6

Juvenile disciform detachment. Clemett RS. **Trans Ophthalmol Soc NZ** 1980;32:20-4

['Bullous' detachment of the macula (idiopathic serous detachment of the macular neuroepithelium)] Bonnet M. **Annee Ther Clin Ophtalmol** 1979;30:215-36 (Eng. Abstr.) **(Fre)**

[Kinetic perimetry and peripheral retinal lesions. Significance of the study of photometric dysharmony] Ardouin M, et al. **Bull Mem Soc Fr Ophtalmol** 1980;92:202-4 **(Fre)**

[Special lense for the examination and early photocoagulation of the retinal periphery in aphkics] Saracco JB, et al. **Bull Soc Ophtalmol Fr** 1980 Jun-Jul;80(6-7):589-93 (Eng. Abstr.) **(Fre)**

[Central serous pseudoretinopathies secondary to choroidal neovessels] Taillanter N, et al. **Bull Soc Ophtalmol Fr** 1979 Nov-Dec;79(11-12):1057-60 (Eng. Abstr.) **(Fre)**

[Subjective test for the early diagnosis of retinal detachment] Werner LE. **Bull Soc Ophtalmol Fr** 1980 Oct;80(10):877 **(Fre)**

[Multiple bilateral pigmented epithelium detachments or atypical vitelliform degeneration? (author's transl)] Greco GM, et al. **J Fr Ophtalmol** 1980 Dec;3(12):749-52 (Eng. Abstr.) **(Fre)**

[The usefulness of thermographic examination in the diagnosis of peripheral retinal detachment (author's transl)] Kçcik T, et al. **Klin Oczna** 1981;83(3):161-3 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

[Intravitreal injection of SF6 gas in vitreoretinal surgery (author's transl)] Freyler H, et al. **Klin Monatsbl Augenheilkd** 1980 Dec;177(6):719-25 (Eng. Abstr.) **(Ger)**

ETIOLOGY

A case of central serous choroidopathy with peripheral retinal detachment. Kayazawa F. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981;

215(3):145–8
Correlation of aphakic retinal detachment and refractive error with gender. Bedrick JJ. **Am J Ophthalmol** 1980 Oct; 90(4):540–4
Myelogenous leukemia and bilateral exudative retinal detachment. Hine JE, et al. **Ann Ophthalmol** 1979 Dec; 11(12):1867–72
Bilateral serous retinal detachment with thrombocytopenia during penicillamine therapy. Klepach GL, et al. **Ann Ophthalmol** 1981 Feb;13(2):201–3
Toxoplasmic retinochoroiditis presenting s serous detachment of the macula. Kraushar MF, et al. **Ann Ophthalmol** 1979 Oct;11(10):1513–4
Delayed loss of central vision following multiple posterior segment trauma. Pearlstone AD. **Ann Ophthalmol** 1980 Apr;12(4):409–11
Uveal effusion following pan-retinal photocoagulation. Weiter JJ, et al. **Ann Ophthalmol** 1979 Nov;11(11):1723–7
Experimental inflammatory serous detachment of the retina. Macy JI, et al. **Arch Ophthalmol** 1980 Dec;98(12):2217–9
Ocular reticulum cell sarcoma. Presentation as retinal detachment with demonstration of monoclonal immunoglobulin light chains on the vitreous cells. Michelson JB, et al. **Arch Ophthalmol** 1981 Aug; 99(8):1409–11
Traumatic retinal dialyses. Ross WH. **Arch Ophthalmol** 1981 Aug;99(8):1371–4
Retinal detachment due to macular holes. Markham RH, et al. **Br J Ophthalmol** 1981 Jun;65(6):423–4
Relationship of cystic retinal tufts to retinal detachment. Byer NE. **Dev Ophthalmol** 1981;2:36–42
Septic choroiditis with serous retinal detachment in Streptococcus mutans-injected dogs. Meyers SM, et al. **Infect Immun** 1980 Aug;29(2):714–8
The effects of a penetrating metallic foreign body on a pseudophakic eye. Graether JM. **J Am Intraocul Implant Soc** 1981 Apr;7(2):164–6
Retinal detachment and vitreous hemorrhage due to talc emboli. Bluth LL, et al. **JAMA** 1981 Aug 28;246(9):980
The incidence of retinal detachment following phacoemulsification. Hurite FG, et al. **Ophthalmology (Rochester)** 1979 Nov;86(11):2004–6
Diabetic traction retinal detachment. Factors influencing final visual acuity. Hutton WL, et al. **Ophthalmology (Rochester)** 1980 Nov;87(11):1071–7
Retinal detachments following intraocular lens implantation. Wilkinson CP. **Ophthalmology (Rochester)** 1981 May; 88(5):410–3
Retinal detachment after phacoemulsification. Wise JB. **Ophthalmology (Rochester)** 1979 Nov;86(11):2007–10
Vitreous base classification of retinal tears: clinical application. Sigelman J. **Surv Ophthalmol** 1980 Sep–Oct; 25(2):59–70 (83 ref.)
[Ocular manifestations of Marfan's syndrome] Tauber L. **Cesk Oftalmol** 1980 Jul;36(4):275–9 (Eng. Abstr.) **(Cze)**
[Natural history of opacities and palisades] Haut J, et al. **Bull Mem Soc Fr Ophtalmol** 1980;92:78–80 **(Fre)**
[Breaks and tears in peripheral retinal inflammation] Lagoutte F, et al. **Bull Mem Soc Fr Ophtalmol** 1980;92:33–5 **(Fre)**
[Diagnosis of a neovascular mini-membrane. Clinical case] Constantinides G, et al. **Bull Soc Ophtalmol Fr** 1979 Nov–Dec;79(11–12):1067–9 (Eng. Abstr.) **(Fre)**
[Serous detachment of the posterior pole and coloboma of the entrance of the optic nerve. Apropos of a case] Cordier J, et al. **Bull Soc Ophtalmol Fr** 1980 Nov;80(11):1043–5 **(Fre)**
[Analysis of 8 cases of retinal detachment occurring shortly after argon laser photocoagulation for prevention of retinal detachment] Haut J, et al. **Bull Soc Ophtalmol Fr** 1981 Jan; 81(1):65–9 **(Fre)**
[Severe retinal retraction after prophylactic cerclage with an argon laser (apropos of a case)] Juillard G, et al. **Bull Soc Ophtalmol Fr** 1979 Nov–Dec;79(11–12):1073–6 (Eng. Abstr.) **(Fre)**
[Défective performance and complications of the argon laser treatment of retinal lesions or perforations without detachment or in the postoperative period after detachment surgery] Rouchy JP. **Bull Soc Ophtalmol Fr** 1979 Oct; 79(10):941–2 (Eng. Abstr.) **(Fre)**
[Marfan's syndrome and retinal detachment] Saracco JB, et al. **Bull Soc Ophtalmol Fr** 1980 Jun–Jul;80(6–7):599–601 (Eng. Abstr.) **(Fre)**
[Spontaneous regression of exudative retinal detachment after cryotherapy and scleral buckling (author's transl)] Binder S, et al. **Klin Monatsbl Augenheilkd** 1980 Nov;177(5):614–7 (Eng. Abstr.) **(Ger)**
[Massive preretinal proliferation and progressive pigmentation after detachment surgery (author's transl)] Gloor B. **Klin Monatsbl Augenheilkd** 1980 May; 176(5):739–44 (Eng. Abstr.) **(Ger)**
[An analysis of the characteristic features of juvenile detachment (author's transl)] Stärk N. **Klin Monatsbl Augenheilkd** 1981 Feb;178(2):127–32 (Eng. Abstr.) **(Ger)**
[Transient retinal detachment and hypospha gma in a patient with non-Hodgkin lymphoma of the T cell type (author's transl)] Pau H, et al. **Ophthalmologica** 1980;181(3–4):160–4 (Eng. Abstr.) **(Ger)**
[Mechanisms of hyperosmotic retinal detachment (Marmor phenomenon) (author's transl)] Honda Y, et al. **Nippon Ganka Gakkai Zasshi** 1980 Nov 10; 84(11):1999–2003 (Eng. Abstr.) **(Jpn)**
[Aphakic retinal detachment. I. General review of the cases (author's transl)] Yoshimura N, et al. **Nippon Ganka Gakkai Zasshi** 1980 Nov 10;84(11):2020–3 (Eng. Abstr.) **(Jpn)**
[Peripheral sclerosis of the retina and its role in retinal detachment] Mihail S, et al. **Rev Chir [Oftalmol]** 1980 Oct–Dec;24(4):255–6 **(Rum)**
[Role of myopia in the genesis of retinal detachment] Zolog N. **Rev Chir [Oftalmol]** 1981 Jan–Mar;25(1):3–6 (Eng. Abstr.) **(Rum)**
[Etiology of anterior retinal dialyses] Romanova NA. **Oftalmol Zh** 1980;35(5):292–5 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

[Genetic aspects of peripheral alterations in a family with retinal detachment] Constantinides G, et al. **Bull Soc Ophtalmol Fr** 1979 Nov–Dec;79(11–12):1091–2 (Eng. Abstr.) **(Fre)**
[Juvenile glaucoma and retinal detachment. A familial syndrome] Verin P, et al. **Bull Soc Ophtalmol Fr** 1980 Nov; 80(11):1037–41 **(Fre)**
[X-chromosomal congenital retinoschisis--its fundus polymorphism and visual function (author's transl)] Miyake Y, et al. **Nippon Ganka Gakkai Zasshi** 1981 Feb; 85(2):97–112 (Eng. Abstr.) **(Jpn)**

IMMUNOLOGY

[Autoimmunity against the retina in idiopathic retinal detachment. Study of 50 cases] Remy C. **J Fr Ophtalmol** 1981;4(3):213–7 (Eng. Abstr.) **(Fre)**

METABOLISM

Human biochemical components in retinoschisis and detachment. Feman SS, et al. **Arch Ophthalmol** 1981 Mar; 99(3):475–7
Collagen formation by periretinal cellular membranes. Laqua H. **Dev Ophthalmol** 1981;2:396–406
[Bilirubin content in the subretinal fluid and its dependence on the duration of the retinal detachment (author's transl)] Haklová M, et al. **Cesk Oftalmol** 1981 Jan;37(1):38–43 (Eng. Abstr.) **(Cze)**

OCCURRENCE

[What can be expected from the computer in the statistical study of retinal detachment?] Brasseur G, et al. **Bull Soc Ophtalmol Fr** 1980 Dec;80(12):1243–7 (Eng. Abstr.) **(Fre)**
[The opposite eye in retinal detachment] Wysoki M, et al. **Bull Soc Ophtalmol Fr** 1980 Aug–Sep;80(8–9):647–50 (Eng. Abstr.) **(Fre)**
[Degree of the risk of occurrence of bilateral retinal detachment and the role of laser coagulation in its prevention (late observations)] Franchuk AA, et al. **Oftalmol Zh** 1981;36(2):67–70 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

Ophthalmic manifestations of visceral larva migrans. Schimek RA, et al. **Ann Ophthalmol** 1979 Sep;11(9):1387–90

PATHOLOGY

The fellow eye in retinal detachment. Ciurlo G, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 214(2):83–7
Experimental tractional retinal detachment in rabbits. Clinical picture and histopathologic features. Trese MT, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 214(4):213–22
Ultrastructure of traction retinal detachment in rhesus monkey eyes after a posterior penetrating ocular injury. Cleary PE, et al. **Am J Ophthalmol** 1980 Dec;90(6):829–45
Radial chorioretinal folds. A sign of choroidal neovascularization. Gass JD. **Arch Ophthalmol** 1981 Jun; 99(6):1016–8
Traction retinal detachment. A cell-mediated event. Ussmann JH, et al. **Arch Ophthalmol** 1981 May;99(5):869–72
The fishmouth phenomenon in retinal detachment [letter] Goldbaum M. **Br J Ophthalmol** 1980 May;64(5):383–4
The onset of pigment epithelial proliferation after retinal detachment. Anderson DH, et al. **Invest Ophthalmol Vis Sci** 1981 Jul;21(1 Pt 1):10–6
Osmotically induced retinal detachment in the rabbit and primate. Electron miscoscopy of the pigment epithelium. Marmor MF, et al. **Invest Ophthalmol Vis Sci** 1980 Sep; 19(9):1016–29
Sequential retinal breaks following a spontaneous initial retinal break. Goldberg RE, et al. **Ophthalmology (Rochester)** 1981 Jan;88(1):10–2
[Relation between form of retinal detachment and position of the tear (author's transl)] Wu XC. **Chung Hua Yen Ko Tsa Chih** 1979;15(4):261–5 **(Chi)**
[Distribution of retinal tears in relation to rupturing peripheral degenerative lesions] Bec P, et al. **Bull Soc Ophtalmol Fr** 1980 Oct;80(10):867–9 **(Fre)**
[Circumscribed peripheral (equatorial or pre-equatorial) retinoschisis (author's transl)] Slezak H, et al. **Klin Monatsbl Augenheilkd** 1980 Dec;177(6):670–1 (Eng. Abstr.) **(Ger)**
[Retinal detachment with spontaneous reattachment (author's transl)] von Barsewisch B. **Klin Monatsbl Augenheilkd** 1980 Oct;177(4):467–71 (Eng. Abstr.) **(Ger)**
[Retinal detachment limited by spontaneously developing pigment bands (author's transl)] von Barsewisch B. **Klin Monatsbl Augenheilkd** 1980 Oct;177(4):472–6 (Eng. Abstr.) **(Ger)**
[Incidence of lattice degeneration in eyes with retinal detachment (author's transl)] Ogino N. **Nippon Ganka Gakkai Zasshi** 1981 Mar;85(3):250–3 (Eng. Abstr.) **(Jpn)**
[Number of lattice degenerations in eyes with retinal detachment (author's transl)] Ogino N. **Nippon Ganka Gakkai Zasshi** 1981 Mar;85(3):254–7 (Eng. Abstr.) **(Jpn)**
[Studies of subretinal fluid III. Correlation of retinal pigment epithelial cells and macrophages in experimental retinal detachment (author's transl)] Yanagita Y. **Nippon Ganka Gakkai Zasshi** 1980 Aug;84(8):912–22 (Eng. Abstr.) **(Jpn)**
[Annular, equatorial staphyloma of the sclera accompanied by retinal detachment] Uzdin MI, et al. **Vestn Oftalmol** 1981 Mar–Apr;(2):69–70 **(Rus)**

PHYSIOPATHOLOGY

Evidence that hypotony in retinal detachment is due to subretinal juxtapapillary fluid drainage. Ringvold A. **Acta Ophthalmol (Copenh)** 1980 Aug;58(4):652–8
Treatment of intraocular proliferation with intravitreal injection of triamcinolone acetonide. Tano Y, et al. **Am J Ophthalmol** 1980 Dec;90(6):810–6
Lipoproteins in human subretinal fluids. Lam KW, et al. **Arch Ophthalmol** 1980 Oct;98(10):1847–9
Mechanisms in traction retinal detachment. Cleary PE, et al. **Dev Ophthalmol** 1981;2:328–33
Intraocular pressure in retinal detachment. Burton TC, et al. **Int Ophthalmol** 1979 Jul;1(3):147–52
Anomalous pigment epithelial photoreceptor relationships and receptor orientation. Fitzgerald CR, et al. **Invest Ophthalmol Vis Sci** 1980 Aug;19(8):956–66
The effect of metabolic inhibitors on retinal adhesion and subretinal fluid resorption. Marmor MF, et al. **Invest Ophthalmol Vis Sci** 1980 Aug;19(8):893–903
Recovery from macular photostress and slow retinal potentials in cured retinal detachment. Krastel H, et al. **Ophthalmologica** 1980;181(1):47–52
[Sex distribution of patients affected by retinal detachment. Its relation to refraction and age (author's transl)] Ogino N. **Nippon Ganka Gakkai Zasshi** 1980 Nov 10;84(11):2031–5 (Eng. Abstr.) **(Jpn)**
[Refraction and age distribution of hole type retinal detachment (author's transl)] Ogino N. **Nippon Ganka Gakkai Zasshi** 1980 Nov 10;84(11):2027–30 (Eng. Abstr.) **(Jpn)**
[Distribution by refraction and age of flap tear type retinal detachment (author's transl)] Ogino N. **Nippon Ganka Gakkai Zasshi** 1980 Nov 10;84(11):2024–6 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

Prophylactic circumferential cryopexy: a retrospective study of 106 eyes. Govan JA. **Br J Ophthalmol** 1981 May; 65(5):364–70
Prophylaxis of retinal detachment. Meyer-Schwickerath G, et al. **Trans Ophthalmol Soc UK** 1980 Apr;100(Pt 1):56–65
[Preventive treatment for retinal detachment by argon laser circular closure. Results apropos of 174 cases] Châtellier P, et al. **Bull Mem Soc Fr Ophtalmol** 1980;92:89–93 **(Fre)**
[Evolution of lesions of the retinal periphery in the fellow eye of a retinal detachment] Dralands L, et al. **Bull Mem Soc Fr Ophtalmol** 1980;92:73–7 **(Fre)**
[The periphery of the fundus oculi. Prevention of retinal detachment] Pinero Bustamante A, et al. **Bull Mem Soc Fr Ophtalmol** 1980;92:81–8 **(Fre)**
[Limitations and complications of the preventive treatment of retinal detachment] Bacin F, et al. **Bull Soc Ophtalmol Fr** 1981 Mar;81(3):325–9 (Eng. Abstr.) **(Fre)**
[Argon laser in the prevention of retinal detachment (brief evaluation of a 5-year experience)] Bonn G, et al. **Bull Soc Ophtalmol Fr** 1980 Dec;80(12):1237–40 (Eng. Abstr.) **(Fre)**
[Can we avoid the retino-vitreous complications described during the preventive treatment of retinal detachment? Treatment method] Vallat M, et al. **Bull Soc Ophtalmol Fr** 1981 Jan;81(1):71–4 (Eng. Abstr.) **(Fre)**
[Prophylactic treatment of aphakic retinal detachment by argon laser photocoagulation. Study on 600 cases (author's transl)] Saracco JB, et al. **Ophthalmologica** 1980; 181(3–4):142–8 (Eng. Abstr.) **(Fre)**
[Prevention of retinal detachment in massive endovitreous hemorrhage 1a] Reibaldi A, et al. **Boll Soc Ital Biol Sper** 1980 Jul 15;56(13):1385–7 (Eng. Abstr.) **(Ita)**
[Pre-detachment states and their treatment (author's transl)] Petrowski B, et al. **Klin Oczna** 1980 Sep;82(9):455–6 (Eng. Abstr.) **(Pol)**
[Main prerequisites for prophylactic cryoretinopexy] Babanina IuD, et al. **Oftalmol Zh** 1981;36(2):74–7 (Eng. Abstr.) **(Rus)**
[Efficacy and effectiveness of using circular transconjunctival

cryoretinopexy for preventing retinal detachment in cataract patients based on follow-up data] Goriachev IuE, et al. **Oftalmol Zh** 1981;36(2):77–80 (Eng. Abstr.) **(Rus)**

[Late results of the prevention of retinal detachment in the sister eye in unilateral retinal dystrophic detachment] Saksonova EO, et al. **Oftalmol Zh** 1981;36(2):70–4 (Eng. Abstr.) **(Rus)**

[Use of photocoagulation for preventing and treating traumatic retinal detachments] Bochkareva AA, et al. **Vestn Oftalmol** 1981 Jan–Feb;(1):17–9 (Eng. Abstr.) **(Rus)**

SURGERY

Implantation of autogenic perichondrial tissue with chondrogenic potential as a possible management of retinal detachment. Hinek A, et al. **Acta Med Pol** 1981;22(1):19–26

Contrast sensitivity and central vision in reattached macula. Anderson C, et al. **Acta Ophthalmol (Copenh)** 1981 Apr; 59(2):161–9

Silicone implant destinated for the treatment of retinal detachment – animal trials with the silicone rod. Brettschneider I, et al. **Acta Univ Carol [Med] (Praha)** 1979; 25(3–4):119–24

Choroidal neovascularization after cryoapplication. Theodossiadis GP. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 215(3):203–8

Surgical management of retinal detachment without cryopexy. Axer-Siegel R, et al. **Am J Ophthalmol** 1981 Apr;91(4):474–9

A new 20-gauge intravitreal cryoprobe. Bradbury MJ, et al. **Am J Ophthalmol** 1980 Sep;90(3):424–5

Pars plana vitrectomy infusion line in retinal detachment surgery. Diddie KR, et al. **Am J Ophthalmol** 1980 Aug; 90(2):226–8

Results with a temporary balloon buckle for the repair of retinal detachment. Lincoff H, et al. **Am J Ophthalmol** 1981 Aug;92(2):245–51

Clinical and research aspects of subtotal open-sky vitrectomy. XXXVII Edward Jackson Memorial Lecture. Schepens CL. **Am J Ophthalmol** 1981 Feb;91(2):143–71

Rhegmatogenous retinal detachment without macular involvement treated with scleral buckling. Tani P, et al. **Am J Ophthalmol** 1980 Oct;90(4):503–8

Anaesthesia and homocystinuria [letter] Frost PM. **Anaesthesia** 1980 Sep;35(9):918–9

Variation of technique of episcleral sponge placement: effect on scleral indentation for retinal detachment repair. Boldrey EE. **Ann Ophthalmol** 1981 Jun;13(6):743–6

Bilateral retinal detachment with giant tears. Fox KR. **Ann Ophthalmol** 1981 Feb;13(2):229–31

A small bubble technique for manipulating giant retinal tears. Lincoff H. **Ann Ophthalmol** 1981 Feb;13(2):241–3

Multifocal choroiditis after retinal detachment surgery. Woldoff HS, et al. **Ann Ophthalmol** 1979 Aug;11(8):1182–4

Vortex vein decompression for nanophthalmic uveal effusion. Brockhurst RJ. **Arch Ophthalmol** 1980 Nov;98(11):1987–90

The microretinal retractor. Charles S. **Arch Ophthalmol** 1981 Jul;99(7):1252

A motorized gas injector for vitreous surgery. Charles S, et al. **Arch Ophthalmol** 1981 Aug;99(8):1398

The natural history of diabetic extramacular traction retinal detachment. Charles S, et al. **Arch Ophthalmol** 1981 Jan; 99(1):66–8

Electrocoaptation conjunctival closure in retinal detachment surgery. Grand MG. **Arch Ophthalmol** 1980 Aug; 98(8):1439–40

Intravitreal longevity of three perfluorocarbon gases. Lincoff H, et al. **Arch Ophthalmol** 1980 Sep;98(9):1610–1

Human massive periretinal proliferation. In vitro characteristics of cellular components. Newsome DA, et al. **Arch Ophthalmol** 1981 May;99(5):873–80

A new operating table for the management of giant retinal breaks. Peyman GA. **Arch Ophthalmol** 1981 Mar; 99(3):498–9

Laser photocoagulation with biomicroscopic scleral indentation. Sigelman J, et al. **Arch Ophthalmol** 1980 Sep; 98(9):1623–4

Late retinal reattachment. Kokolakis SN, et al. **Br J Ophthalmol** 1981 Feb;65(2):142–6

Argon laser photocoagulation of symptomatic flap tears and retinal breaks of fellow eyes. Pollak A, et al. **Br J Ophthalmol** 1981 Jul;65(7):469–72

Review of macular disease, 1979. Mandelcorn MS. **Can J Ophthalmol** 1980 Oct;15(4):161–5 (21 ref.)

Retinal detachment and pseudophakia. Tanenbaum HL. **Can J Ophthalmol** 1979 Oct;14(4):249–52

Modern treatment of retinal detachment. Schepens CL, et al. **Chin Med J [Engl]** 1980 Oct;93(10):681–96

Results of silicone oil injection into the vitreous. Alexandridis E, et al. **Dev Ophthalmol** 1981;2:24–7

Spiral-running suture for the radial implant. Blagojević M, et al. **Dev Ophthalmol** 1981;2:61–5

Microsurgery of retinal detachment (vitreous surgery excluded) advantages, disadvantages, limitations, results. Bonnet M. **Dev Ophthalmol** 1981;2:208–13

Microsurgery of retinal detachment (vitreous surgery excluded). Bonnet M. **Dev Ophthalmol** 1981;1:53–9

Infection prophylaxis with silastic sponge explants in retinal detachment surgery. Buettner H, et al. **Dev Ophthalmol** 1981;2:71–6

Options for visualisation in vitrectomy. Constable I. **Dev Ophthalmol** 1981;1:75–7

The microscope as a tool in the management of the sclera. Draeger J. **Dev Ophthalmol** 1981;2:202–7

Absorbable implants in nondrainage procedures for repair of retinal detachment. Freilich DB, et al. **Dev Ophthalmol** 1981;2:66–70

Color vision and other parameters of macular function after retinal reattachment. Kreissig I, et al. **Dev Ophthalmol** 1981; 2:77–85

Retinal surgery under the microscope. Urrets-Zavalia A. **Dev Ophthalmol** 1981;2:195–201

Histopathologic evaluation of adhesive properties of early lesions in diathermy and cryopexy. Sipperley JO, et al. **Int Ophthalmol** 1981 Mar;3(2):107–10

The current practice and evaluation of surgery in retinal detachment. Chatterjee PK, et al. **J Indian Med Assoc** 1980 Nov 16;75(10):196–9

Vitreoretinal surgery in a patient with sickle cell retinopathy. Zinn KM. **Mt Sinai J Med (NY)** 1981 Jan–Feb;48(1):79–83

Silicone sponge implant in combination with episcleral implant for retinal detachment surgery. Sakamoto DK, et al. **Ophthalmic Surg** 1980 Oct;11(10):712–8

The use of anterior chamber Na-hyaluronate in a pseudophakic patient requiring intravitreal air during retinal reattachment surgery. Swartz M, et al. **Ophthalmic Surg** 1981 Feb;12(2):98–9

Retinal surgery under the microscope. Urrets-Zavalia A. **Ophthalmic Surg** 1980 Sep;11(9):591–5

Severe intravitreal fibrovascular growth after trauma. van Wesep GL, et al. **Ophthalmic Surg** 1980 Sep;11(9):631–2

Results and complications of surgery of retinal detachment with a macular hole. Amemiya T, et al. **Ophthalmologica** 1980;181(2):88–92

Long-term evaluation of temporary transconjunctival buckling for retinal detachment. Ciurlo G, et al. **Ophthalmologica** 1980;181(3–4):149–51

Pars plana vitrectomy for diabetic traction retinal detachment. Aaberg TM. **Ophthalmology (Rochester)** 1981 Jul;88(7):639–42

Applanation-Schiøtz disparity after retinal detachment surgery utilizing cryopexy. Harbin TS Jr, et al. **Ophthalmology (Rochester)** 1979 Sep;86(9):1609–12

Subtotal open-sky vitrectomy for severe retinal detachment occurring as a late complication of ocular trauma. Hirose T, et al. **Ophthalmology (Rochester)** 1981 Jan;88(1):1–9

Cystoid macular edema after retinal detachment surgery. Meredith TA, et al. **Ophthalmology (Rochester)** 1980 Nov; 87(11):1090–5

The use of intraocular gases. The results of sulfur hexafluoride gas in retinal detachment surgery. Sabates WI, et al. **Ophthalmology (Rochester)** 1981 May;88(5):447–54

An intraocular microscissors. Wilson DL. **Ophthalmology (Rochester)** 1979 Nov;86(11):2039

Exposure of intrascleral implants. Yoshizumi MO. **Ophthalmology (Rochester)** 1980 Nov;87(11):1150–4

Circulatory changes in the eye associated with retinal detachment and its repair. Dobbie JG. **Trans Am Ophthalmol Soc** 1980;78:503–66

Vitrectomy techniques in the management of traction retinal detachments. Cairns JD, et al. **Trans Ophthalmol Soc NZ** 1981;33:65–70

Lessons from one hundred and thirty-five consecutive retinal detachment operations. Hadden OB. **Trans Ophthalmol Soc NZ** 1981;33:59–64

Factors influencing visual recovery in retinal detachment surgery. Foulds WS. **Trans Ophthalmol Soc UK** 1980 Apr; 100(Pt 1):72–7

[Retinal detachment associated with congenital coloboma of the choroid (author's transl)] Bao LL. **Chung Hua Yen Ko Tsa Chih** 1980 May;16(2):165–7 **(Chi)**

[Choroidal effusion--a preliminary report of 20 cases (author's transl)] Fu SJ. **Chung Hua Yen Ko Tsa Chih** 1980 Nov;16(4):319–23 **(Chi)**

[Diagnosis and treatment of retinoschisis: report of 4 cases (author's transl)] Liu ZR. **Chung Hua Yen Ko Tsa Chih** 1979;15(3):185–8 **(Chi)**

[Clinical analysis of encircling operation in 97 cases of retinal detachment (author's transl)] Wang WJ. **Chung Hua Yen Ko Tsa Chih** 1980;16(1):44–8 **(Chi)**

[Observations on the use of fiber optic coagulator for macular holes (author's transl)] Wang YL. **Chung Hua Yen Ko Tsa Chih** 1979;15(1):22–5 **(Chi)**

[55 cases of retinal detachment due to macular hole: surgical techniques and results (author's transl)] Wei X. **Chung Hua Yen Ko Tsa Chih** 1979;15(3):178–81 **(Chi)**

[Retinal dialysis---Analysis of 49 cases (author's transl)] Wu QC. **Chung Hua Yen Ko Tsa Chih** 1980;16(3):239–41 **(Chi)**

[Laser coagulation effectiveness in the treatment of retinal tears (author's transl)] Oláh Z. **Klin Oczna** 1981;83(2):73–4 (Eng. Abstr.) **(Cze)**

[A new indentation device for the treatment of retinal detachment] Lecoq PJ, et al. **Bull Mem Soc Fr Ophtalmol** 1980;92:123–6 **(Fre)**

[Changes in the retinal periphery of the unaffected eye in retinal detachment and its preventive treatment] Pecold K. **Bull Mem Soc Fr Ophtalmol** 1980;92:62–4 **(Fre)**

[Application of silicone sponge without drainage of the subretinal fluid] Baltazis S, et al. **Bull Soc Ophtalmol Fr** 1980 Oct;80(10):823–5 **(Fre)**

[Factors favoring the resorption of subretinal fluid] Gerhard JP, et al. **Bull Soc Ophtalmol Fr** 1980 Nov;80(11):1057–9 (Eng. Abstr.) **(Fre)**

[Retraction of the macular internal limiting membrane after surgery for retinal detachment] Girard P, et al. **Bull Soc Ophtalmol Fr** 1981 Jan;81(1):37–40 (Eng. Abstr.) **(Fre)**

[Use of intraocular silicone in 200 cases] Haut J, et al. **Bull Soc Ophtalmol Fr** 1979 Aug–Sep;79(8–9):797–9 **(Fre)**

[Vitrectomy on eyes with good vision] Haut J, et al. **Bull Soc Ophtalmol Fr** 1979 Aug–Sep;79(8–9):805–6 **(Fre)**

[Value of radial buckling in the treatment of retinal detachment (apropos of 116 cases)] Hebert PY, et al. **Bull Soc Ophtalmol Fr** 1980 Apr–May;80(4–5):421–4 (Eng. Abstr.) **(Fre)**

[New indentation procedurr for the treatment of retinal detachment. Preliminary note] Lecoq PJ. **Bull Soc Ophtalmol Fr** 1980 Dec;80(12):1241–2 (Eng. Abstr.) **(Fre)**

[Complementary vitrectomy as a matter of principle in the period following operation for retinal detachment] Lecoq PJ. **Bull Soc Ophtalmol Fr** 1981 Feb;81(2):163–5 (Eng. Abstr.) **(Fre)**

[A case of retinal detachment in a psychiatrist] Marx P. **Bull Soc Ophtalmol Fr** 1981 Feb;81(2):225–7 **(Fre)**

[Intraocular silicone in the treatment of retinal detachment. Indications. Technical notes] Ravault M, et al. **Bull Soc Ophtalmol Fr** 1981 Apr–May;81(4–5):509–10 **(Fre)**

[Technical aspects and evaluation of the placing of a silicone elastomer sponge buckle at the time of surgical treatment of retinal detachment] Rouchy JP, et al. **Bull Soc Ophtalmol Fr** 1980 Apr–May;80(4–5):427–9 (Eng. Abstr.) **(Fre)**

[Epiretinal membrane] Ruellan YM, et al. **Bull Soc Ophtalmol Fr** 1979 Aug–Sep;79(8–9):817–9 **(Fre)**

[Therapeutic indications and technics of laser photocoagulation in serious detachment of the pigment epithelium with or without choroidal neovessels] Van Effenterre G, et al. **Bull Soc Ophtalmol Fr** 1979 Nov–Dec; 79(11–12):1053–6 **(Fre)**

[SF6-gas within the actual retinal surgery (author's transl)] Kroll P, et al. **J Fr Ophtalmol** 1981;4(1):67–73 (Eng. Abstr.) **(Fre)**

[Treatment of retinal detachment by episcleral compression with drainage (author's transl)] Gonvers M, et al. **Klin Monatsbl Augenheilkd** 1980 Apr;176(4):631–2 (Eng. Abstr.) **(Fre)**

[Retinal detachment] Gonvers M, et al. **Klin Monatsbl Augenheilkd** 1981 Apr;178(4):310–2 (Eng. Abstr.) **(Fre)**

[Pars plana vitrectomy] Gonvers M. **Rev Med Suisse Romande** 1980 Jun;100(6):515–9 **(Fre)**

[Experimental and clinical examinations of the effect of cryosurgery of intraocular pressure] Kontić D, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 216(2):167–76 (Eng. Abstr.) **(Ger)**

[Is some therapeutic influence upon macular function after postoperative re-attachment of the retina possible? (author's transl)] Binder S, et al. **Klin Monatsbl Augenheilkd** 1980 Jul;177(1):97–100 (Eng. Abstr.) **(Ger)**

[Vitrectomy with intraocular gas bubble in complicated cases of retinal detachment (author's transl)] Binder S. **Klin Monatsbl Augenheilkd** 1980 Dec;177(6):726–30 (Eng. Abstr.) **(Ger)**

[Implants in retinal detachment surgery (author's transl)] Freyler H, et al. **Klin Monatsbl Augenheilkd** 1980 Sep; 177(3):336–44 (Eng. Abstr.) **(Ger)**

[Limits of episcleral buckling procedure (author's transl)] Kroll P, et al. **Klin Monatsbl Augenheilkd** 1980 Dec; 177(6):864–70 (Eng. Abstr.) **(Ger)**

[Prospects for surgical treatment of retinal detachment (author's transl)] Orlowski WJ, et al. **Klin Monatsbl Augenheilkd** 1979 Dec;175(6):767–72 (Eng. Abstr.) **(Ger)**

[Follow-up study of macular function after retinal detachment surgery (author's transl)] Riss B, et al. **Klin Monatsbl Augenheilkd** 1980 Dec;177(6):731–5 (Eng. Abstr.) **(Ger)**

[Experiences with microsurgical technique in operations of retinal detachment (author's transl)] Draeger J. **Klin Oczna** 1980 Apr;82(4):221–4 (Eng. Abstr.) **(Ger)**

[Application of sulfur hexafluoride (SF6) in retinal surgery (author's transl)] Kroll P, et al. **Ophthalmologica** 1980; 180(1):20–8 (Eng. Abstr.) **(Ger)**

[Prevention of retinal detachment in massive endovitreous hemorrhage. 3a] Reibaldi A, et al. **Boll Soc Ital Biol Sper** 1980 Jul 15;56(13):1391–3 (Eng. Abstr.) **(Ita)**

[Prevention of retinal detachment in massive endovitreous hamorrhage. 2a] Reibaldi A, et al. **Boll Soc Ital Biol Sper** 1980 Jul 15;56(13):1388–90 (Eng. Abstr.) **(Ita)**

[Experimental study of changes in refraction produced after retinal detachment surgery (author's transl)] Baba Y. **Nippon Ganka Gakkai Zasshi** 1980 Oct 10;84(10):1691–701 (Eng. Abstr.) **(Jpn)**

[Long-term results in retinal detachment surgery. 3. Visual function in the reattached retina (author's transl)]

Harayama K, et al. **Nippon Ganka Gakkai Zasshi** 1980 Jun 10;84(6):483–7 (Eng. Abstr.) **(Jpn)**

[Ocular positions following surgery of detached retinal (author's transl)] Kashii S, et al. **Nippon Ganka Gakkai Zasshi** 1981 May 10;85(5):358–62 (Eng. Abstr.) **(Jpn)**

[Experimental study on the retinal tear. 3. Transmission electron microscopic observation of glial cells following xenon are photocoagulation (author's transl)] Ohsawa E, et al. **Nippon Ganka Gakkai Zasshi** 1980 Aug;84(8):804–16 (Eng. Abstr.) **(Jpn)**

[Experimental investigations on the possibility of CO2 laser use in the treatment of retinal detachment (author's transl)] Kęcik T, et al. **Klin Oczna** 1981;83(3):153–5 (Eng. Abstr.) **(Pol)**

[Results of surgical treatment of retinal detachment with poor prognosis in children (author's transl)] Pecoldowa K, et al. **Klin Oczna** 1981;83(2):75–6 (Eng. Abstr.) **(Pol)**

[Functional and anatomical results after surgical treatment of retinal detachment (author's transl)] Piwowarow N, et al. **Klin Oczna** 1980 Sep;82(9):457–8 (Eng. Abstr.) **(Pol)**

[Value of systematic photocoagulation with argon laser of peripheral retina in aphakia (author's transl)] Saracco JB, et al. **Klin Oczna** 1980 Aug;82(8):411–3 **(Pol)**

[Biological material and silicone inlays in the surgery of retinal detachment (author's transl)] Winter W. **Klin Oczna** 1980 Aug;82(8):419–21 (Eng. Abstr.) **(Pol)**

[Clinico–therapeutic aspects of post–traumatic detachment of the retina] Dumitrache M, et al. **Rev Chir [Oftalmol]** 1980 Oct–Dec;24(4):285–7 **(Rum)**

[Our surgical treatment experience with retinal detachment] Blagoević M. **Oftalmol Zh** 1980;35(6):337–40 (Eng. Abstr.) **(Rus)**

[Ablatio centralis serosa – experience with photocoagulation treatment (author's transl)] Kolin J, et al. **Cesk Oftalmol** 1981 Jan;37(1):13–8 (Eng. Abstr.) **(Slo)**

THERAPY

Posterior lip traction caused by intravitreal gas. Lincoff H, et al. **Arch Ophthalmol** 1981 Aug;99(8):1367–70

The use of sodium–hyaluronate (Healon) in the treatment of retinal detachment. Stenkula S, et al. **Ophthalmic Surg** 1981 Jun;12(6):435–7

[Technic and results of liquid silicone injection combined with vitrectomy in the treatment of retinal inversions] Haut J, et al. **Bull Soc Ophtalmol Fr** 1980 Jun–Jul;80(6–7):517–8 **(Fre)**

RETINAL DISEASES

[Chorioretinal nosology today] **Annee Ther Clin Ophtalmol** 1979;30:13–323 **(Fre)**

[Problems in etiopathogenesis and positive diagnosis of serous central chorioretinopathy] Călugăru M. **Rev Chir [Oftalmol]** 1980 Apr–Jun;24(2):121–4 (Eng. Abstr.) **(Rum)**

BLOOD

Haematological factors associated with proliferative retinopathy in homozygous sickle cell disease. Hayes RJ, et al. **Br J Ophthalmol** 1981 Jan;65(1):29–35

CHEMICALLY INDUCED

Ophthalmological examination of patients in long–term treatment with tranexamic acid. Theil PL. **Acta Ophthalmol (Copenh)** 1981 Apr;59(2):237–41

Lack of correlation between melanin affinity and retinopathy in mice and cats treated with chloroquine or flunitrazepam. Kuhn H, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 216(3):177–90

Retinopathy after tilorone hydrochloride. Weiss JN, et al. **Am J Ophthalmol** 1980 Dec;90(6):846–53

Ocular quinine toxicity followed by electroretinogram, electro–oculogram, and pattern visually evoked potential. Zahn JR, et al. **Am J Optom Physiol Opt** 1981 Jun; 58(6):492–8

Permanent retinal damage following massive dapsone overdose. Kenner DJ, et al. **Br J Ophthalmol** 1980 Oct; 64(10):741–4

Tamoxifen retinopathy. McKeown CA, et al. **Br J Ophthalmol** 1981 Mar;65(3):177–9

Electroretinographic alterations in retinal metallosis. Brunette JR, et al. **Can J Ophthalmol** 1980 Oct;15(4):176–8

An unusual ocular complication of thioridazine. Giannini AJ, et al. **Int J Psychiatry Med** 1980–81;10(3):217–20

Ophthalmological aspects of chronic CS2 intoxication. De Laey JJ, et al. **Int Ophthalmol** 1980 Dec;3(1):51–6

Identification of fructose as the retinopathic agent associated with the ingestion of sucrose–rich diets in the rat. Boot–Handford R, et al. **Metabolism** 1980 Dec; 29(12):1247–52

Tamoxifen retinopathy. A clinicopathologic report. Kaiser–Kupfer MI, et al. **Ophthalmology (Rochester)** 1981 Jan;88(1):89–93

Retinotoxic effects of diaminodiphenoxybutane in rats. Noguchi Y, et al. **Pharmacol Biochem Behav** 1980 Sep; 13(3):429–34

Pigmentary skin changes associated with ocular chloroquine toxicity in Ghana. Bentsi–Enchill KO. **Trop Geogr Med** 1980 Sep;32(3):216–20

Chloroquine retinopathy in a rural hospital in Ghana. Stilma JS. **Trop Geogr Med** 1980 Sep;32(3):221–3

[Chloroquine induced retinopathy during the prophylaxis of malaria with convenient posology (author's transl)] Metge P, et al. **Therapie** 1980 May–Jun;35(3):439–42 (Eng. Abstr.) **(Fre)**

[The therapy with synthetic antimalarial drugs controlled by fluorescence electroretinography (author's transl)] Carpi R, et al. **Ateneo Parmense [Acta Biomed]** 1980;51(5):445–51 (Eng. Abstr.) **(Ita)**

[A light microscopic study of steroid induced retinopathy in rat (author's transl)] Tsuchiya S. **Nippon Ganka Gakkai Zasshi** 1980 Aug;84(8):890–7 (Eng. Abstr.) **(Jpn)**

[Experimental model of proliferative pseudoretinopathy] Bacin F, et al. **Cesk Oftalmol** 1981 Jan;37(1):1–4 (Eng. Abstr.) **(Slo)**

COMPLICATIONS

The cardiac involvement in chronic progressive external ophthalmoplegia: consideration on the Kearns–Sayre syndrome. Daniele S, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 216(2):129–33

Visual loss as the initial symptom of systemic lupus erythematosus. Wong K, et al. **Am J Ophthalmol** 1981 Aug; 92(2):238–44

Hereditary renal–retinal dysplasia. Godel V, et al. **Doc Ophthalmol** 1980 Oct 15;49(2):347–59

Angioid Streaks. Carr RE, et al. **Ophthalmology (Rochester)** 1980 Mar;87(3):263–5

Vitreous base classification of retinal tears: clinical application. Sigelman J. **Surv Ophthalmol** 1980 Sep–Oct; 25(2):59–70 (83 ref.)

[Ocular findings in high–risk newborns treated with continual negative pressure] Kubát Z, et al. **Cesk Oftalmol** 1980 Mar; 36(2):96–104 (Eng. Abstr.) **(Cze)**

[Natural history of opacities and palisades] Haut J, et al. **Bull Mem Soc Fr Ophtalmol** 1980;92:78–80 **(Fre)**

[Retinal periphery and crystallin lens opacities] Vallat M, et al. **Bull Mem Soc Fr Ophtalmol** 1980;92:59–61 **(Fre)**

[Vasculopathy with familial cystoid edema] François P, et al. **Bull Soc Ophtalmol Fr** 1979 Nov–Dec;79(11–12):1093–4 **(Fre)**

[Surgical treatment of Irvine–Gass syndrome. (Discussion of one case)] Risse JF, et al. **Bull Soc Ophtalmol Fr** 1979 Aug–Sep;79(8–9):721–4 (Eng. Abstr.) **(Fre)**

[Vascular eye diseases and their significance as indicators of systemic vascular conditions] Lund OE. **Klin Monatsbl Augenheilkd** 1980 Jan;176(1):16–20 (Eng. Abstr.) **(Ger)**

[Usher's syndrome] Srieň S, et al. **Cesk Pediatr** 1980 Oct; 35(10):521–5 (Eng. Abstr.) **(Slo)**

CONGENITAL

Congenital retinoschisis. Rousseau A. **Dev Ophthalmol** 1981; 2:43–52

[Multiple congenital defects of the ocular fundus] Dvořák V, et al. **Cesk Oftalmol** 1980 Nov;36(6):401–5 (Eng. Abstr.) **(Cze)**

DIAGNOSIS

Workshop on the role of psychophysics and physiological optics in ophthalmic diagnosis and patient evaluation. Bethesda, Md, September 19––20, 1976. **Adv Ophthalmol** 1980;41:149–216

Changing appearance of retinal arteriovenous malformation. Augsburger JJ, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 215(1):65–70

Birdshot retinochoroidopathy. Kaplan HJ, et al. **Am J Ophthalmol** 1980 Dec;90(6):773–82

Long–term follow–up of occlusion of the central retinal vein in young adults. Priluck IA, et al. **Am J Ophthalmol** 1980 Aug;90(2):190–202

Tuberous sclerosis associated with a retinal angioma. Schwartz PL, et al. **Am J Ophthalmol** 1980 Oct;90(4):485–8

A selected review of retinal research and study. Cohen J. **Am J Optom Physiol Opt** 1981 Mar;58(3):239–60 (50 ref.)

Eales' disease: a case of rapid progression. Katzman B, et al. **Ann Ophthalmol** 1979 Sep;11(9):1323–6

Sessile and exophytic capillary angiomas of the juxtapapillary retina and optic nerve head. Gass JD, et al. **Arch Ophthalmol** 1980 Oct;98(10):1790–7

Mydriatic solution for outpatient indirect ophthalmoscopy. Sinclair SH, et al. **Arch Ophthalmol** 1980 Sep;98(9):1572–4

Blue field entoptic test in patients with ocular trauma. Sinclair SH, et al. **Arch Ophthalmol** 1981 Mar;99(3):464–7

Ophthalmomyiasis interna. Ziemianski MC, et al. **Arch Ophthalmol** 1980 Sep;98(9):1588–9

Massive retinal gliosis simulating choroidal melanoma. Berger B, et al. **Can J Ophthalmol** 1979 Oct;14(4):285–90

'Primary' reticulum cell sarcoma of the retina. Völcker HE, et al. **Dev Ophthalmol** 1981;2:114–20

A clinical procedure for the simultaneous recording of fast and slow EOG oscillations. De Rouck A, et al. **Int Ophthalmol** 1981 May;3(3):179–89

Electroretinogram changes after fluorescein injection: a new method to evaluate blood–retinal barrier dysfunction. Tamai M, et al. **Invest Ophthalmol Vis Sci** 1981 Feb; 20(2):272–6

Pigmented paravenous retinochoroidal atrophy. Brooks DN, et al. **J Am Optom Assoc** 1980 Dec;51(12):1097–1101

Indications for fluorescein angiography in disease of the ocular fundus: a review. Ffytche TJ, et al. **J R Soc Med** 1980 May;73(5):362–5 (12 ref.)

Unilateral Purtscher's retinopathy. Burton TC. **Ophthalmology (Rochester)** 1980 Nov;87(11):1096–1105

Retinal angiomatosis. Carr RE, et al. **Ophthalmology (Rochester)** 1980 Sep;87(9):956–9, 961

Central serous chorioretinopathy (central serous retinopathy). Carr RE, et al. **Ophthalmology (Rochester)** 1980 Aug;87(8):841–6

Vitreous cinematography in the study of vitreoretinal diseases. Trempe CL, et al. **Ophthalmology (Rochester)** 1981 Jul;88(7):676–80

Contrast sensitivity in retinal disease. Wolkstein M, et al. **Ophthalmology (Rochester)** 1980 Nov;87(11):1140–9

The retinal pigment epitheliopathies. Foulds WS. **Trans Ophthalmol Soc NZ** 1980;32:96

The assessment of visual function with particular reference to vascular disease of the eye. Foulds WS, et al. **Trans Ophthalmol Soc NZ** 1980;32:55–68

Macular disease for the practicing ophthalmologist. Doft BH. **Trans Pa Acad Ophthalmol Otolaryngol** 1980 Fall; 33(2):144–55

[Interstitial edema of the retina] Regnault F. **Annee Ther Clin Ophtalmol** 1979;30:37–41 (Eng. Abstr.) **(Fre)**

[Syndromes of the vitreoretinal interface] Saraux H, et al. **Annee Ther Clin Ophtalmol** 1979;30:297–304 **(Fre)**

[Examination of the retinal periphery of the pseudophakic eye] Charleux J, et al. **Bull Mem Soc Fr Ophtalmol** 1980; 92:205–7 **(Fre)**

[Evolution of lesions of the retinal periphery in the fellow eye of a retinal detachment] Dralands L, et al. **Bull Mem Soc Fr Ophtalmol** 1980;92:73–7 **(Fre)**

[Pseudomelanomatous cyst of the peripheral retina] Strempel I. **Bull Mem Soc Fr Ophtalmol** 1980;92:48–51 **(Fre)**

[Peripheral sub–retinal neovascularization – an ignored concept] Bec P, et al. **Bull Soc Ophtalmol Fr** 1980 Apr–May;80(4–5):381–3 **(Fre)**

[Idiopathic choroidal folds] Turut P, et al. **Bull Soc Ophtalmol Fr** 1979 Aug–Sep;79(8–9):783–6 (Eng. Abstr.) **(Fre)**

[Early symptoms of various important retinal diseases] Gailloud C. **Rev Med Suisse Romande** 1980 Jun; 100(6):499–501 **(Fre)**

[Subretinal echinococcus cyst (author's transl)] Bernsmeier H. **Klin Monatsbl Augenheilkd** 1980 Jul;177(1):85–7 (Eng. Abstr.) **(Ger)**

[The results of intraocular lens implantation. Report 6. The relationship between anterior segment fluorescein angiography and cystoid macular edema (author's transl)] Kondo T, et al. **Nippon Ganka Gakkai Zasshi** 1980 Jul 10; 84(7):573–9 (Eng. Abstr.) **(Jpn)**

[Diagnosis of elevated macular lesions with the slit–lamp microscope (author's transl)] Otaki S. **Nippon Ganka Gakkai Zasshi** 1980 Aug;84(8):898–911 (Eng. Abstr.) **(Jpn)**

DIET THERAPY

The effect of a dietary lack of xanthophyll on the eye of the monkey. **Nutr Rev** 1980 Nov;38(11):384–6

DRUG THERAPY

Supplementary creatine as a treatment for gyrate atrophy of the choroid and retina. Sipilä I, et al. **N Engl J Med** 1981 Apr 9;304(15):867–70

[Traumatic honeycomb retinopathy and its treatment by combined traditional Chinese and western medicine (author's transl)] Huang SR. **Chung Hua Yen Ko Tsa Chih** 1980;16(3):235–8 **(Chi)**

[Treatment of retinal vascular accidents] Girard P, et al. **Rev Med Interne** 1980;1(2):259–63 (Eng. Abstr.) **(Fre)**

[Cortisone treatment of arteriosclerotic chorioretinopathy – a catamnestic study (author's transl)] Belger HJ. **Klin Monatsbl Augenheilkd** 1980 May;176(5):830–4 (Eng. Abstr.) **(Ger)**

[Anthocyanosides in the treatment of retinopathies (author's transl)] Scharrer A, et al. **Klin Monatsbl Augenheilkd** 1981 May;178(5):386–9 (Eng. Abstr.) **(Ger)**

[The macula in degenerative and senescent vascular retinopathy. Therapeutic results] Glävan II, et al. **Rev Chir [Oftalmol]** 1980 Apr–Jun;24(2):125–8 (Eng. Abstr.) **(Rum)**

[Treatment of vascular retinal lesions with Cavinton (author's transl)] Oláh Z, et al. **Cesk Oftalmol** 1981 Jan;37(1):19–23 (Eng. Abstr.) **(Slo)**

ENZYMOLOGY

[Study on the pathogenesis of gyrate atrophy. Part 1. Ornithine ketoacid transaminase (author's transl)] Hayasaka S. **Nippon Ganka Gakkai Zasshi** 1980 Aug;84(8):691–8 (Eng. Abstr.) **(Jpn)**

ETIOLOGY

Platelet–induced retinal neovascularization in leukemia. Leveille AS, et al. **Am J Ophthalmol** 1981 May;91(5):640–4

Talc retinopathy. Tse DT, et al. **Am J Ophthalmol** 1980 Nov; 90(5):624–40

Acute bilateral retinal microembolization in a heroin addict. Siepser SB, et al. **Ann Ophthalmol** 1981 Jun;13(6):699–702

Use of indomethacin and its relationship to retinopathy of prematurity in very low birthweight infants. Procianoy RS, et al. **Arch Dis Child** 1980 May;55(5):362–4

Hemi-central retinal vein occulsion. Pathogenesis, clinical features, and natural history. Hayreh SS. **Arch Ophthalmol** 1980 Sep;98(9):1600–9

Talc retinopathy in primates. A model of ischemic retinopathy: I. Clinical studies. Jampol LM, et al. **Arch Ophthalmol** 1981 Jul;99(7):1273–80

Retinal dialysis. Zion VM, et al. **Arch Ophthalmol** 1980 Nov; 98(11):1971–4

Eclipse retinopathy. Dhir SP, et al. **Br J Ophthalmol** 1981 Jan;65(1):42–5

Ophthalmic manifestations of primary oxalosis. Fielder AR, et al. **Br J Ophthalmol** 1980 Oct;64(10):782–8

Rift Valley fever ocular manifestations: observations during the 1977 epidemic in Egypt. Siam AL, et al. **Br J Ophthalmol** 1980 May;64(5):366–74

Bilateral maculopathy simulating 'cherry-red spot' in a patient with Crohn's disease. Yassur Y, et al. **Br J Ophthalmol** 1981 Mar;65(3):184–8

Retinal vasculitis in rheumatoid arthritis. Martin MF, et al. **Br Med J [Clin Res]** 1981 May 30;282(6278):1745–6

Photic retinopathy in the dog. Buyukmihci N. **Exp Eye Res** 1981 Jul;33(1):95–109

Pathogenesis of proliferative neovascular retinopathies and the role of vitrectomy. A hypothesis. Machemer R. **Int Ophthalmol** 1978 Sep;1(1):1–3

Retinal light exposure from ophthalmoscopes, slit lamps, and overhead surgical lamps. An analysis of potential hazards. Calkins JL, et al. **Invest Ophthalmol Vis Sci** 1980 Sep; 19(9):1009–15

Experimental allergic encephalomyelitis. II. Retinal and other ocular manifestations. Hayreh SS. **Invest Ophthalmol Vis Sci** 1981 Aug;21(2):270–81

Studies on retinal neovascularization. Friedenwald Lecture. Patz A. **Invest Ophthalmol Vis Sci** 1980 Oct;19(10):1133–8

Deficiencies of vitamins E and A in the rat. Retinal damage and lipofuscin accumulation. Robison WG Jr, et al. **Invest Ophthalmol Vis Sci** 1980 Sep;19(9):1030–7

Retinal lesions in Alport's syndrome. Zylbermann R, et al. **J Pediatr Ophthalmol Strabismus** 1980 Jul–Aug; 17(4):255–60

Pathogenesis of hypertensive retinopathy: a review. Garner A, et al. **J R Soc Med** 1979 May;72(5):362–5 (9 ref.)

Retinal vasculitis: a review. Sanders MD. **J R Soc Med** 1979 Dec;72(12):908–15

High-altitude retinopathy. McFadden DM, et al. **JAMA** 1981 Feb 13;245(6):581–6

Neurological and ophthalmological complications of mitral valve prolapse. Shapiro SK, et al. **Minn Med** 1981 Apr; 64(4):197–9

The effect of deficiency of vitamins E and A on the retina. **Nutr Rev** 1980 Nov;38(11):386–9

The natural course of central retinal vein occlusion. Zegarra H, et al. **Ophthalmology (Rochester)** 1979 Nov; 86(11):1931–42

Retinopathy in toxemia of pregnancy. Kline LB. **South Med J** 1981 Jan;74(1):34–6

Peripheral proliferative retinopathies. Jampol LM, et al. **Surv Ophthalmol** 1980 Jul–Aug;25(1):1–14 (94 ref.)

[Complications of laser coagulation of retina (report of 5 cases) (author's transl)] Wei X. **Chung Hua Yen Ko Tsa Chih** 1980 Nov;16(4):324–5 **(Chi)**

[Embolism of central retinal artery caused by retrobulbar injection of air and hemorrhage (author's transl)] Zhang FH. **Chung Hua Yen Ko Tsa Chih** 1979;15(3):189–90 **(Chi)**

[Tissue effects of argon laser photocoagulation at threshold doses. Experimental study on the retina of the miniature pig and the rabbit] Schepens JM, et al. **Adv Ophthalmol** 1981;42:18–55 **(Fre)**

[Colobomatous pits of the optic papilla with maculopathies] Almenara Parada GG, et al. **Bull Mem Soc Fr Ophtalmol** 1980;92:95–9 **(Fre)**

[Incidence and clinical aspects of retinal complications of intermediary uveitis] Martenet AC. **Bull Mem Soc Fr Ophtalmol** 1980;92:40–2 **(Fre)**

[Retinal vascular involvement as manifestation of sarcoidosis] Chauvaud D, et al. **Bull Soc Ophtalmol Fr** 1980 Dec; 80(12):1181–2 **(Fre)**

[Early retinal manifestations of Mediterranean boutonneuse fever. Apropos of 2 cases] Rivaud C, et al. **Bull Soc Ophtalmol Fr** 1980 Oct;80(10):961–3 **(Fre)**

[Retinal manifestations disclosing hemoglobin S C disease] Vadot E, et al. **Bull Soc Ophtalmol Fr** 1981 Apr–May; 81(4–5):483–6 **(Fre)**

[Neuro-opthalmological manifestations as the presentation of a colonic plasmocytoma (author's transl)] Schmitt J, et al. **Rev Otoneuroophtalmol** 1980 Mar–Apr;52(2):187–94 (Eng. Abstr.) **(Fre)**

[Posttraumatic fat embolism of the retina (author's transl)] Kroll P, et al. **Klin Monatsbl Augenheilkd** 1981 Jan; 178(1):26–31 (Eng. Abstr.) **(Ger)**

[Changes produced in hypertensive retinopathy by modern treatment of hypertension (author's transl)] Giessmann HG, et al. **Klin Oczna** 1980 Apr;82(4):213–5 (Eng. Abstr.) **(Ger)**

[Organ and systemic mycoses are problems even today] Keller F, et al. **Med Klin** 1980 Sep 12;75(19):697–9 **(Ger)**

[Etiology of retinopathia centralis serosa (author's transl)] Trichtel F. **Wien Med Wochenschr** 1980 Aug 31; 130(15–16):533–8 (Eng. Abstr.) **(Ger)**

[The development of the ophthalmoscopic aspects of patients during hemodialysis treatment] Rossi U, et al. **Clin Ter** 1980 Feb 29;92(4):409–15 (Eng. Abstr.) **(Ita)**

FAMILIAL & GENETIC

Familial exudative vitreoretinopathy. Laqua H. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 213(2):121–33

Congenital retinal fold as a sign of dominant exudative vitreoretinopathy. van Nouhuys CE. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 217(1):55–67

Hypertrophy of the retinal pigment epithelium associated with Gardner's syndrome. Blair NP, et al. **Am J Ophthalmol** 1980 Nov;90(5):661–7

Benign familial fleck retina. Sabel Aish SF, et al. **Br J Ophthalmol** 1980 Sep;64(9):652–9

Familial retinal dialysis. Brown GC, et al. **Can J Ophthalmol** 1980 Oct;15(4):193–5

[Dominant chorioretinal dystrophy] Babel J, et al. **Klin Monatsbl Augenheilkd** 1980 Apr;176(4):600 (Eng. Abstr.) **(Fre)**

[Hereditary macular retinoschisis] Zografos L, et al. **Klin Monatsbl Augenheilkd** 1980 Apr;176(4):603–8 (Eng. Abstr.) **(Fre)**

HISTORY

An historical look at the retina, 1880–1980. Henkind P. **Trans Ophthalmol Soc UK** 1980 Apr;100(Pt 1):20–4

IMMUNOLOGY

Lymphocyte transformation in presumed ocular histoplasmosis. Ganley JP, et al. **Arch Ophthalmol** 1981 Aug;99(8):1424–9

Immunology of chorioretinal disorders. Corwin JM, et al. **Surv Ophthalmol** 1981 Mar–Apr;25(5):287–305 (117 ref.)

[Round table: Autoimmunity and the retina; general and clinical aspects] **J Fr Ophtalmol** 1980;3(4):291–301 **(Fre)**

[Histoplasmin skin test sensitivity in exudative maculopathy (author's transl)] Uchida K, et al. **Nippon Ganka Gakkai Zasshi** 1980 Dec 10;84(12):2075–8 (Eng. Abstr.) **(Jpn)**

METABOLISM

Human biochemical components in retinoschisis and detachment. Feman SS, et al. **Arch Ophthalmol** 1981 Mar; 99(3):475–7

Effect of insulin on ascorbic acid uptake by heart endothelial cells: possible relationship to retinal atherogenesis. Verlangieri AJ, et al. **Life Sci** 1981 Jul 6;29(1):5–9

MICROBIOLOGY

Prevalence of chorioretinal scars associated with coccidioidomycosis. Rodenbiker HT, et al. **Arch Ophthalmol** 1981 Jan;99(1):71–5

MORTALITY

Vision loss due to retinopathy of prematurity [letter] Phelps DL. **Lancet** 1981 Mar 14;1(8220 Pt 1):606

PATHOLOGY

The histopathology of cystoid macular edema. Wolter JR. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 216(2):85–101

Ultrastructural features of progressive idiopathic epiretinal membrane removed by vitreous surgery. Kampik A, et al. **Am J Ophthalmol** 1980 Dec;90(6):797–809

Subretinal neovascular membrane and disciform scar in Behçet's disease. Michelson JB, et al. **Am J Ophthalmol** 1980 Aug;90(2):182–5

Fundus flavimaculatus with cystoid macular changes and abnormal Stiles–Crawford effect. Morse PH, et al. **Am J Ophthalmol** 1981 Feb;91(2):190–6

Cockayne syndrome: unusual neuropathological findings and review of the literature. Soffer D, et al. **Ann Neurol** 1979 Oct;6(4):340–8 (64 ref.)

Formation of basement membranes and collagenous fibrils in peripheral cystoid degeneration and retinoschisis. Göttinger W. **Dev Ophthalmol** 1981;2:363–8

Cervical internal carotid artery aneurysm with calcific embolism to the retina. Mokri B, et al. **Neurology (NY)** 1981 Feb;31(2):211–4

Vertical folds of central retinal and choroid in sudden ocular decompression. Wolter JR. **Ophthalmic Surg** 1981 Mar; 12(3):190–4

Obstructed axoplasmic transport in Purtscher's traumatic retinopathy. Orzalesi N, et al. **Ophthalmologica** 1980; 180(1):36–45

Ultrasonically guided needle biopsy and cytologic diagnosis of solid intraocular tumors. Jakobiec FA, et al. **Ophthalmology (Rochester)** 1979 Sep;86(9):1662–81

Parafoveal retinal telangiectasis. Light and electron microscopy studies. Green WR, et al. **Trans Ophthalmol Soc UK** 1980 Apr;100(Pt 1):162–70

[Changes in architecture of local circulation after retinal branch vein occlusion as observed by fluorescein angiography (author's transl)] Liang SJ. **Chung Hua Yen Ko Tsa Chih** 1980;16(1):1–5 **(Chi)**

[A very unusual form of chorioretinopathy, like grains of rice] Amalric P, et al. **Bull Soc Ophtalmol Fr** 1981 Jan; 81(1):131–4 **(Fre)**

[Pigmentary para-venous chorio-retinal atrophy (author's transl)] Santoni G, et al. **J Fr Ophtalmol** 1981;4(3):231–5 **(Fre)**

[Focal epiretinal fibroplasias overlying photocoagulations in diabetic retinopathy (author's transl)] Daicker BC. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 214(2):71–82 (Eng. Abstr.) **(Ger)**

[Acute multifocal placoid pigment epitheliitis of the retina (author's transl)] Kottow M. **Klin Monatsbl Augenheilkd** 1980 May;176(5):752–7 (Eng. Abstr.) **(Ger)**

[Pigment dispersion and pseudoexfoliation. Conclusions from biomicroscopic findings] Remky H. **Klin Monatsbl Augenheilkd** 1980 Jan;176(1):32–7 (Eng. Abstr.) **(Ger)**

[Dialysis of the ora serrata and retina] Slezak H, et al. **Klin Monatsbl Augenheilkd** 1980 Jan;176(1):9–12 (Eng. Abstr.) **(Ger)**

[Pathology of choroidal circulatory disturbance. Part 4. Chorioretinopathy in choroidal circulatory disorders, clinical study (author's transl)] Uyama M, et al. **Nippon Ganka Gakkai Zasshi** 1980 Nov 10;84(11):1947–56 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Autoradiographic localization of serum retinol-binding protein receptors on the pigment epithelium of dystrophic rat retinas. Bok D, et al. **Invest Ophthalmol Vis Sci** 1980 Dec;19(12):1405–14

Prereceptor light absorption in setters with neuronal ceroid lipofuscinosis [letter] Massof RW, et al. **Invest Ophthalmol Vis Sci** 1981 Jan;20(1):134–6

Retinal visual acuity and CME [letter] Colvard DM, et al. **J Am Intraocul Implant Soc** 1980 Oct;6(4):372

Photostress recovery times in cases of central serous retinopathy. Natsikos VE, et al. **J R Soc Med** 1980 Nov; 73(11):793–7

[Some observations on the electroretinogram (ERG) elicited by Ganzfield (whole-field) stimulation in patients with central retinal vein thrombosis and retinitis pigmentosa (author's transl)] Yang ZY. **Chung Hua Yen Ko Tsa Chih** 1979;15(3):171–4 **(Chi)**

[Kinetic perimetry and peripheral retinal lesions. Significance of the study of photometric dysharmony] Ardouin M, et al. **Bull Mem Soc Fr Ophtalmol** 1980;92:202–4 **(Fre)**

[Clinical application of EER (electrically evoked response) (2) Analysis of EER in patients with dysfunctional rod or cone visual pathway (author's transl)] Miyake Y, et al. **Nippon Ganka Gakkai Zasshi** 1980 Jun 10;84(6):502–9 (Eng. Abstr.) **(Jpn)**

RADIOGRAPHY

Stereoscopic fluorescein angiography of the fundus. Blanksma LJ, et al. **Doc Ophthalmol** 1981 Mar 20; 50(2):237–41

Fluorescein retinal angiographic studies of functional amblyopia. Romano PE, et al. **J Pediatr Ophthalmol Strabismus** 1980 Sep–Oct;17(5):318–9

[Retinal and choroidal folds. Value of the tomodensitometric exam] Amalric P. **Bull Soc Ophtalmol Fr** 1980 Jun–Jul; 80(6–7):579–80 (Eng. Abstr.) **(Fre)**

SURGERY

Panfunduscope contact lens for argon laser therapy. Lobes LA Jr, et al. **Ann Ophthalmol** 1981 Jun;13(6):713–4

Chorioretinal and choriovitreal neovascularization. Their presence after photocoagulation of proliferative sickle cell retinopathy. Dizon-Moore RV, et al. **Arch Ophthalmol** 1981 May;99(5):842–9

Photocoagulation in proliferative sickle retinopathy: results of a 5-year study. Condon PI, et al. **Br J Ophthalmol** 1980 Nov;64(11):832–40

Binocular indirect argon laser photocoagulator. Mizuno K. **Br J Ophthalmol** 1981 Jun;65(6):425–8

A simplified approach to the management of tangential retinal traction bands. Peyman GA, et al. **Br J Ophthalmol** 1981 Jun;65(6):414–6

Review of macular disease, 1979. Mandelcorn MS. **Can J Ophthalmol** 1980 Oct;15(4):161–5 (21 ref.)

Pars plasma vitrectomy in the management of the Irvine–Gass syndrome. Young PW, et al. **Can J Ophthalmol** 1980 Oct;15(4):172–5

Surgery of epiretinal membranes. Michels RG. **Dev Ophthalmol** 1981;2:175–84

Retinal photocoagulation. **Drug Ther Bull** 1980 Nov 21; 18(24):93–4

Treatment of neovascularization secondary to branch retinal vein obstruction. Archer DB, et al. **Int Ophthalmol** 1981 May;3(3):141–53

Surgical removal of epiretinal membranes. Nolthenius PA, et al. **Int Ophthalmol** 1981 May;3(3):155–9

The operability of inoperable cases [editorial] Charles S. **J Am Intraocul Implant Soc** 1980 Apr;6(2):126

Photocoagulation of retinal, vascular, and macular diseases through intraocular lenses. Patz A.

Ophthalmology (Rochester) 1981 May;88(5):398–406
Argon laser photocoagulation of subretinal neovascular membranes. Little HL, et al. **Trans Am Ophthalmol Soc** 1980;78:167–89
The role of photocoagulation in the treatment of retinal disease. Foulds WS. **Trans Ophthalmol Soc NZ** 1980; 32:82–90
Retinal laser photocoagulation: benefits and risks. Frank RN. **Vision Res** 1980;20(12):1073–81
[Treatment of Coat's disease with argon laser (author's transl)] Wang KS. **Chung Hua Yen Ko Tsa Chih** 1980; 16(3):246–9 **(Chi)**
[Preliminary report on argon laser treatment of central serous chorioretinopathy (author's transl)] Wang KS. **Chung Hua Yen Ko Tsa Chih** 1979;15(3):182–4 **(Chi)**
[Treatment of occlusion of central retinal vein branches using photocoagulation. A preliminary report.] John J. **Cesk Oftalmol** 1981 Jan;37(1):34–7 (Eng. Abstr.) **(Cze)**
[Changes in the retinal periphery of the unaffected eye in retinal detachment and its preventive treatment] Pecold K. **Bull Mem Soc Fr Ophtalmol** 1980;92:62–4 **(Fre)**
[Difficulties in the treatment of Von Hippel's retinal lesions] François P, et al. **Bull Soc Ophtalmol Fr** 1980 Nov; 80(11):1115–7 (Eng. Abstr.) **(Fre)**
[Perifoveolar photocoagulation in cystoid macular edema of venous occlusions (1st results)] Gaudric A, et al. **Bull Soc Ophtalmol Fr** 1980 Jan;80(1):11–4 **(Fre)**
[Management of cystoid macular edema using perifoveolar photocoagulation with argon lasers] Haut J, et al. **Bull Soc Ophtalmol Fr** 1980 Jan;80(1):15–21 **(Fre)**
[Drusen and photocoagulation] Metge P, et al. **Bull Soc Ophtalmol Fr** 1980 Jun–Jul;80(6–7):581–2, 585–8 (Eng. Abstr.) **(Fre)**
[Surgery in the treatment of retinopathies (author's transl)] Leuenberger AE. **Klin Monatsbl Augenheilkd** 1981 Apr; 178(4):326–8 (Eng. Abstr.) **(Ger)**

THERAPY

Bacterial collagenase. Proposed adjunct to vitrectomy with membranectomy. Moorhead LC, et al. **Arch Ophthalmol** 1980 Oct;98(10):1829–39
Current concepts in diagnosis and treatment of vitreoretinal diseases 12th meeting of the Club Jules Gonin, Crans–Montana, March 17–21, 1980. **Dev Ophthalmol** 1981; 2:1–406
Cryotherapy for retinopathy of prematurity. Mousel DK, et al. **Ophthalmology (Rochester)** 1980 Nov;87(11):1121–7
[Hemangiomas of the fundus: clinical picture and treatment (author's transl)] Speiser P. **Klin Monatsbl Augenheilkd** 1981 Apr;178(4):313–22 (Eng. Abstr.) **(Ger)**
[Radon inhalations applied in the treatment of eye fundus diseases (author's transl)] Ogielska E, et al. **Klin Oczna** 1981;83(3):179–80 (Eng. Abstr.) **(Pol)**

VETERINARY

Vitamin E deficiency retinopathy in dogs. Riis RC, et al. **Am J Vet Res** 1981 Jan;42(1):74–86
An inherited retinopathy in collies. A light and electron microscopic study. Santos–Anderson RM, et al. **Invest Ophthalmol Vis Sci** 1980 Nov;19(11):1281–94
Multifocal retinal dysplasia in the Syrian hamster LAK:LVG (SYR). Schiavo DM. **J Environ Pathol Toxicol** 1980 Jun–Jul;3(5–6):569–76
Pathophysiology of retinal disease. Buyukmihci N. **Vet Clin North Am [Small Anim Pract]** 1980 May; 10(2):399–409
Retinopathy in commercial layers [letter] Randall CJ, et al. **Vet Rec** 1979 Jul 14;105(2):41–2

RETINAL HEMORRHAGE

BLOOD

Oxygen dissociation curve in Eales's disease. Boase DL, et al. **Br J Ophthalmol** 1980 Oct;64(10):745–50

CHEMICALLY INDUCED

Retinal hemorrhage caused by overdose of methaqualone (Quaalude). Trese M. **Am J Ophthalmol** 1981 Feb; 91(2):201–3
[Ophthalmologic manifestations in hydrogen sulfide poisoning] Berkman N, et al. **Bull Soc Ophtalmol Fr** 1980 Apr–May;80(4–5):369–72 **(Fre)**

COMPLICATIONS

Scleritis associated with central choroidal haemorrhage. Ahrendt N. **Acta Ophthalmol (Copenh)** 1981 Feb;59(1):80–4
[Case of successful ultrasonic vitrectomy in Terson's syndrome] Kossovskii LV, et al. **Vestn Oftalmol** 1980 Sep–Oct;(5):37–9 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Peripheral exudative hemorrhagic chorioretinopathy. Annesley WH Jr. **Trans Am Ophthalmol Soc** 1980;78:321–64
[Retinal hemorrhage associated with retinal artery macroaneurysm (author's transl)] Makabe R. **Klin Monatsbl Augenheilkd** 1981 Jun;178(6):471–2 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Clinical use of pentoxifylline in haemorrhagic disorders of the retina. Iwafune Y, et al. **Pharmatherapeutica** 1980; 2(7):429–38
[Application of Liang Xue San Yu Tang (blood–cooling and stasis–relieving decoction) in ocular fundus hemorrhage (author's transl)] Pang WM. **Chung Hua Yen Ko Tsa Chih** 1980;16(1):74–7 **(Chi)**

ETIOLOGY

Effect of instrumental delivery on the frequency and severity of retinal hemorrhages in the newborn. Egge K, et al. **Acta Obstet Gynecol Scand** 1981;60(2):153–5
Hemorrhagic complications of optic nerve drusen. Harris MJ, et al. **Am J Ophthalmol** 1981 Jul;92(1):70–6
Retinopathy in the sexually abused battered child. San Martin R, et al. **Ann Ophthalmol** 1981 Jan;13(1):89–91
Salmon–patch hemorrhages after central retinal artery occlusion in sickle cell disease. Jampol LM, et al. **Arch Ophthalmol** 1981 Feb;99(2):237–40
Papilledema with unusual ocular hemorrhages. Keane JR. **Arch Ophthalmol** 1981 Feb;99(2):262–3
Incidence of optic disc haemorrhages in chronic simple glaucoma and ocular hypertension. Gloster J. **Br J Ophthalmol** 1981 Jul;65(7):452–6
Ocular injury from a carbonated beverage bottle. Gupta AK, et al. **J Pediatr Ophthalmol Strabismus** 1980 Nov–Dec; 17(6):394–5
High–altitude retinal hemorrhages [editorial] Munsen RS, et al. **JAMA** 1981 Feb 13;245(6):610
The natural course of central retinal vein occlusion. Zegarra H, et al. **Ophthalmology (Rochester)** 1979 Nov; 86(11):1931–42
[Peripheral retinal hemorrhage in the long–term insulin–dependent diabetic with minor retinopathy of the fundus] Roy MS, et al. **Bull Mem Soc Fr Ophtalmol** 1980; 92:332–5 **(Fre)**
[Unusual case of cirsoid aneurysm of the retina] Girard P, et al. **Bull Soc Ophtalmol Fr** 1980 Jan;80(1):7–10 (Eng. Abstr.) **(Fre)**
[Occlusion of the central retinal vein associated with cilioretinal artery infarction] Lefrançois A, et al. **Bull Soc Ophtalmol Fr** 1980 Jan;80(1):67–72 (Eng. Abstr.) **(Fre)**
[Altitude–induced retinal hemorrhages. A new aspect of mountain sickness] Balcet U, et al. **Minerva Med** 1981 Jul 7;72(27):1785–98 (Eng. Abstr.) **(Ita)**

METABOLISM

Cholesterol crystals in Eales' disease. Mishra RK, et al. **Indian J Ophthalmol** 1980 Jul;28(2):67–8

PHYSIOPATHOLOGY

Subinternal limiting lamina hemorrhages associated with sudden vascular pressure rise: yellow preretinal hemorrhages. Harris GS. **Dev Ophthalmol** 1981;2:53–8

SURGERY

Vitrectomy for proliferative diabetic retinopathy associated with vitreous hemorrhage. Machemer R, et al. **Ophthalmology (Rochester)** 1981 Jul;88(7):643–6
[Results of photocoagulation in retinal vascular diseases] John J. **Cesk Oftalmol** 1980 Jul;36(4):239–42 (Eng. Abstr.) **(Cze)**
[Diabetic retinopathy; permissible and non–permissible exertion in patients with diabetes mellitus] Franken S. **Ned Tijdschr Geneeskd** 1981 Apr 11;125(15):569–72 **(Dut)**
[Premacular hemorrhage: a new indication for argon–laser–therapy (author's transl)] Fechner PU. **Klin Monatsbl Augenheilkd** 1980 Oct;177(4):502–5 (Eng. Abstr.) **(Ger)**

RETINAL PIGMENT EPITHELIUM see **PIGMENT EPITHELIUM OF EYE**

RETINAL PIGMENTS

Channel activity in bilayers made from a purified rhodopsin–phosphatidylcholine complex. Darszon A. **Ann NY Acad Sci** 1980;358:337
Excited state properties of visual pigments and bacteriorhodopsin. Honig B. **Ann NY Acad Sci** 1981; 367:269–80
Rhodopsin in model membranes: the kinetics of channel opening and closing in rhodopsin–containing planar lipid bilayers. Ramakrishnan V, et al. **Ann NY Acad Sci** 1980; 358:36–42
Photoacoustic spectroscopy of cattle visual pigment at low temperature. Boucher F, et al. **Biochem Biophys Res Commun** 1981 May 15;100(1):385–90
Photochemical reactions of 13–demethyl visual pigment analogues at low temperatures. Shichida Y, et al. **Biochemistry** 1981 Mar 31;20(7):1962–8
Resonance Raman spectra of octopus acid and alkaline metarhodopsins. Kitagawa T, et al. **Biochim Biophys Acta** 1980 Jul 24;624(1):211–7
Effect of phospholipid and detergent on the Schiff base of cephalopod rhodopsin and metarhodopsin. Nashima K, et al. **Biochim Biophys Acta** 1980 Dec 16;626(2):390–6
Chemical cleavage of bovine rhodopsin at tryptophanyl bonds; characterization of the polypeptide fragments and the phosphorylated site. Pellicone C, et al. **Biochimie** 1981 Mar;63(3):197–209
Resonance Raman studies of the primary photochemical event in visual pigments. Aton B, et al. **Biophys J** 1980 Jan;29(1):79–94
Molecular dynamics of trans–cis isomerization in bathorhodopsin. Birge RR, et al. **Biophys J** 1981 Jun; 34(3):517–34
Magnetic anisotropy of the visual pigment rhodopsin. Hong FT. **Biophys J** 1980 Feb;29(2):343–6
Photochemistry of rhodopsin and isorhodopsin investigated on a picosecond time scale. Monger TG, et al. **Biophys J** 1979 Jul;27(1):105–15
Primary photochemistry and photoisomerization of retinal at 77 degrees K in cattle and squid rhodopsins. Suzuki T, et al. **Biophys J** 1981 May;34(2):261–70
Studies on location of the chromophore in papain–digested rod outer segment membranes. Zagalsky PF, et al. **Exp Eye Res** 1981 May;32(5):627–33
Hydration of retinal and the nature of metarhodopsin II. Allan AE, et al. **FEBS Lett** 1980 Oct 6;119(2):238–40
Retinal rod outer segment lipids form bilayers in the presence and absence of rhodopsin: a 31P NMR study. Deese AJ, et al. **FEBS Lett** 1981 Feb 9;124(1):93–9
Protein–lipid interaction in rhodopsin recombinant membranes as studied by protein rotational mobility and lipid alkyl chain flexibility measurements. Kusumi A, et al. **J Biochem (Tokyo)** 1980 Oct;88(4):1103–11
Existence of hypsorhodopsin as the first intermediate in the primary photochemical process of cattle rhodopsin. Kobayashi T. **Photochem Photobiol** 1980 Aug;32(2):207–15
The formation of two forms of bathorhodopsin and their optical properties. Sasaki N, et al. **Photochem Photobiol** 1980 Oct;32(4):433–41
Orientation of retinylidene chromophore of hypsorhodopsin in frog retina. Tokunaga F, et al. **Photochem Photobiol** 1980 Oct;32(4):447–53
Wavelength regulation in rhodopsin: effects of dipoles and amino acid side chains. Hays TR, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6314–8
First step in vision: proton transfer or isomerization? Dupuis P, et al. **Rev Can Biol** 1980 Dec;39(4):247–58 (66 ref.)
The gecko visual pigments: the nitrate effect. Crescitelli F. **Vision Res** 1980;20(11):937–45
The role of ocular pigmentation in protecting against retinal light damage. Rapp LM, et al. **Vision Res** 1980; 20(12):1127–31
Metarhodopsin I can react with hydroxylamine. Ratner VL, et al. **Vision Res** 1981;21(2):251–3
[Study of rhodopsin sulfhydryl groups in the photoreceptor membrane] Kalamkarov GR, et al. **Biofizika** 1980 Jul–Aug; 25(4):634–9 (Eng. Abstr.) **(Rus)**
[Photodamage of rhodopsin molecule. Oxidation of SH–group] Pogozheva ID, et al. **Biofizika** 1981 May–Jun; 26(3):398–403 (Eng. Abstr.) **(Rus)**
[Factors causing oligomerization of wall–eyed pollock rhodopsin before and after solubilization by sodium dodecyl sulfate] Korchagin VP. **Biokhimiia** 1980 Jun;45(6):1098–102 (Eng. Abstr.) **(Rus)**
[Carbohydrate composition of wall–eyed pollock rhodopsin] Korchagin VP, et al. **Biokhimiia** 1980 Sep;45(9):1549–53 (Eng. Abstr.) **(Rus)**

ANALYSIS

The motional properties of rhodopsin and the membrane lipids in bovine rod outer–segment disc membranes. Watts A, et al. **Biochem Soc Trans** 1981 Feb;9(1):150–1
Topography of rhodopsin in retinal rod outer segment disk membranes. Photochemical labeling with 1–azidopyrene. Smith DP, et al. **Biochemistry** 1981 Apr 28;20(9):2417–24
The N–terminal residue of bovine rhodopsin is acetylmethionine. Tsunasawa S, et al. **Biochim Biophys Acta** 1980 Jul 24;624(1):218–25
Rhodopsin measurement in human disease: fundus reflectometry using television. Kemp CM, et al. **Dev Ophthalmol** 1981;2:130–4
Radioimmunoassay for rhodopsin. Lentrichia BB, et al. **Exp Eye Res** 1980 Jul;31(1):1–8
The relationship between visual sensitivity and rhodopsin density in retinitis pigmentosa. Perlman I, et al. **Invest Ophthalmol Vis Sci** 1981 Jun;20(6):758–65
Visual pigments and colour vision in man and monkeys. Bowmaker JK. **J R Soc Med** 1981 May;74(5):348–56
Chicken blue and chicken violet, short wavelength sensitive visual pigments. Fager LY, et al. **Vision Res** 1981; 21(4):581–6
The chloride effect in chicken red cone receptors. Knowles A. **Vision Res** 1980;20(6):475–83
Comparison of the pineal complex, retina and cerebrospinal fluid contacting neurons by immunocytochemical antirhodopsin reaction. Vigh–Teichmann I, et al. **Z Mikrosk Anat Forsch** 1980;94(4):623–40

BIOSYNTHESIS

Postmortem metabolic capacity of photoreceptor cells in human and rat retinas. Schmidt SY, et al. **Invest Ophthalmol Vis Sci** 1980 Nov;19(11):1274–80

GENETICS

Functions of the white and topaz loci of Lucilia cuprina in the production of the eye pigment xanthommatin. Summers KM, et al. **Biochem Genet** 1980 Aug;18(7–8):643–53

Four cone pigments in women heterozygous for color deficiency. Nagy AL, et al. **J Opt Soc Am** 1981 Jun; 71(6):719–22

ISOLATION & PURIFICATION

Further characterization of the lipid–depleted bovine rhodopsin obtained by cholate–ammonium sulfate fractionation. Makino M, et al. **Biochim Biophys Acta** 1980 Aug 4;600(2):332–42

Isolation of rhodopsin by the combined action of cardiotoxin and phospholipase A2 on rod outer segment membranes. Rivas EA, et al. **Biochim Biophys Acta** 1981 Jun 9; 644(1):127–33

The isolation of the green rod pigment of the frog, Rana catesbeiana. Makino M, et al. **FEBS Lett** 1980 Oct 6; 119(2):235–7

Isolation and characterization of a water–soluble photopigment from honeybee compound eye. Pepe IM, et al. **Vision Res** 1980;20(2):97–102

METABOLISM

Light–induced membrane–potential increase, ATP synthesis, and proton uptake in Halobacterium halobium, R1mR catalyzed by halorhodopsin: Effects of N,N'–dicyclohexylcarbodiimide, triphenyltin chloride, and 3,5–di–tert–butyl–4–hydroxybenzylidenemalononitrile (SF6847). Mukohata Y, et al. **Arch Biochem Biophys** 1981 Jan;206(1):72–6

The decay of metarhodopsin II in cattle rod outer segment membranes: protonation and spectral changes. Bennett N. **Biochem Biophys Res Commun** 1980 Oct 31;96(4):1695–701

Light–induced conformational change of octopus rhodopsin as detected by a spin label method. Kusumi A, et al. **Biochem Biophys Res Commun** 1980 Aug 29;95(4):1635–41

Rhodopsin–phospholipid interactions: dependence of rate of the meta I to meta II transition on the level of associated disk phospholipid. Litman BJ, et al. **Biochemistry** 1981 Feb 3;20(3):631–4

Site of attachment of 11–cis–retinal in bovine rhodopsin. Wang JK, et al. **Biochemistry** 1980 Oct 28;19(22):5111–7

Lipid–protein interaction in the photolysis of octopus rhodopsin. Tsuda M, et al. **Biochim Biophys Acta** 1981 Apr 22;643(1):63–75

The photoconversion of lumirhodopsin at 77 degrees K. Estimation of the quantum efficiency. Becher B. **Biophys J** 1980 Apr;30(1):1–7

Bathoproducts of rhodopsin, isorhodopsin I, and isorhodopsin II. Mao B, et al. **Biophys J** 1980 Feb; 29(2):247–56

Lateral diffusion of rhodopsin in photoreceptor cells measured by fluorescence photobleaching and recovery. Wey CL, et al. **Biophys J** 1981 Feb;33(2):225–32

Cyanine dye measurement of a light–induced transient membrane potential associated with the metarhodopsin II intermediate in rod–outer–segment membranes. Bennett N, et al. **Eur J Biochem** 1980 Oct;111(1):105–10

Optical study of the light–induced protonation changes associated with the metarhodopson II intermediate in rod–outer–segment membranes. Bennett N. **Eur J Biochem** 1980 Oct;111(1):99–103

Degradation of rhodopsin by a lysosomal fraction of retinal pigment epithelium: biochemical aspects of the visual process. XLI. Regan CM, et al. **Exp Eye Res** 1980 FEB; 30(2):183–91

Visual pigments and vitamins A in the adult bullfrog. Tsin AT, et al. **Exp Eye Res** 1980 FEB;30(2):143–53

The application of pressure relaxation to the study of the equilibrium between metarhodopsin I and II from bovine retinas. Attwood PV, et al. **FEBS Lett** 1980 Oct 6; 119(2):323–6

Rhodopsin photoenergetics: lumirhodopsin and the complete energy profile. Cooper A. **FEBS Lett** 1981 Jan 26; 123(2):324–6

In vitro biosynthesis, core glycosylation, and membrane integration of opsin. Goldman BM, et al. **J Cell Biol** 1981 Jul;90(1):236–42

Properties of the pH–sensitive site that controls the lambda max of Limulus metarhodopsin. Lisman JE, et al. **J Gen Physiol** 1981 Feb;77(2):191–203

Light–induced pigment granule migration in the retinular cells of Drosophila melanogaster. Comparison of wild type with ERG–defective mutants. Lo MV, et al. **J Gen Physiol** 1981 Feb;77(2):155–75

Rhodopsin regeneration, calcium, and the control of the dark current in vertebrate rods. Albani C, et al. **Photochem Photobiol** 1980 Oct;32(4):515–20

Rhodopsin–phospholipid interaction in detergent and in the disk. Ikai A, et al. **Photochem Photobiol** 1980 Oct; 32(4):455–60

On the possibility of protein–chromophore charge transfer in visual pigments. Leclercq JM, et al. **Photochem Photobiol** 1981 Mar;33(3):361–5

The involvement of water at the retinal binding site in rhodopsin and early light–induced intramolecular proton transfer. Rafferty CN, et al. **Photochem Photobiol** 1981 Feb; 33(2):229–34

Flow of information in the light–triggered cyclic nucleotide cascade of vision. Fung BK, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):152–6

[Changes in the activity of cyclic nucleotide phosphodiesterase and content of rhodopsin in retina during long illumination] Makhmudova VM, et al. **Ukr Biokhim Zh** 1981 May–Jun;53(3):50–4 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Light activation of bovine rod phosphodiesterase by non–physiological visual pigments. Ebrey T, et al. **FEBS Lett** 1980 Jul 28;116(2):217–9

[Antioxidative functions of screening pigments of the eye] Ostrovskiĭ MA, et al. **Dokl Akad Nauk SSSR** 1980; 255(3):748–51 **(Rus)**

PHYSIOLOGY

Normal cortical responses in ocularly hypopigmented cats. Smith EL 3d, et al. **Brain Res** 1981 Feb 9;206(1):183–6

Age–dependent changes in the capacity of transdifferentiation of retinal pigment cells as revealed in clonal cell culture. Yasuda K, et al. **Cell Differ** 1981 Jan; 10(1):3–11

Animal rhodopsin as a photogenerator of an electric potential that increases photoreceptor membrane permeability. Drachev LA, et al. **FEBS Lett** 1980 Sep 22;119(1):125–31

Visual pigment kinetics in abnormalities of the uvea–retinal epithelium interface in man. Alpern M, et al. **Invest Ophthalmol Vis Sci** 1981 Feb;20(2):183–203

Spectral sensitivity and retinal pigment movement in the crab Leptograpsus variegatus (fabricius). Stowe S. **J Exp Biol** 1980 Aug;87:73–98

Rhodopsin kinetics in the cat retina. Ripps H, et al. **J Gen Physiol** 1981 Mar;77(3):317–34

Electrical responses and photopigments of twin cones in the retina of the walleye. Burkhardt DA, et al. **J Physiol (Lond)** 1980 Dec;309:215–28

Existence of hypsorhodopsin as the first intermediate in the primary photochemical process of cattle rhodopsin. Kobayashi T. **Photochem Photobiol** 1980 Aug;32(2):207–15

The visual sensitivity of the retina of the conger eel. Shapley R, et al. **Proc R Soc Lond [Biol]** 1980 Aug 13; 209(1175):317–30

Visual receptor pigments in the African cichlid fish, Haplochromis burtoni. Fernald RD, et al. **Vision Res** 1980; 20(10):857–64

Spectral sensitivity of screening–pigment migration in retinula cells of the crayfish Procambarus. Olivo RF, et al. **Vision Res** 1980;20(5):385–9

RADIATION EFFECTS

Photophysics of light transduction in rhodopsin and bacteriorhodopsin. Birge RR. **Annu Rev Biophys Bioeng** 1981;10:315–54 (350 ref.)

Light–enhanced cross–linking of rhodopsin in rod outer segment membranes as detected by chemical probes. Shaw A, et al. **Biochim Biophys Acta** 1980 Dec 12;603(2):313–21

Flash photolysis of rhodopsin in the cat retina. Ripps H, et al. **J Gen Physiol** 1981 Mar;77(3):295–315

Photon–like signals following weak rhodopsin bleaches. Ashmore JF, et al. **Nature** 1981 Feb 5;289(5797):489–91

Behaviour of octopus rhodopsin and its photoproducts at very low temperatures. Tsuda M, et al. **Nature** 1980 Oct 2;287(5781):461–2

The regeneration of visual pigments and the change of rod hypersensitivity after irradiation by bleaching light in frog retina. Azuma K, et al. **Photochem Photobiol** 1980 Oct; 32(4):529–38

On the state of chromophore protonation in rhodopsin: implication for primary photochemistry in visual pigments. Narva D, et al. **Photochem Photobiol** 1980 Aug;32(2):273–6

Retinal chromophore of rhodopsin photoisomerizes within picoseconds. Hayward G, et al. **Science** 1981 Feb 27; 211(4485):942–4

[Release of calcium ions from native outer segments rods after partial rhodopsin bleaching] Shevchenko TF, et al. **Biofizika** 1981 Mar–Apr;26(2):284–7 (Eng. Abstr.) **(Rus)**

[Effect of light on the resistance of bull and squid rhodopsin to thermal denaturation] Berman AL, et al. **Dokl Akad Nauk SSSR** 1981;256(2):487–91 **(Rus)**

[Analysis of the radiation changes in rhodopsin] Pushkareva TV, et al. **Radiobiologiia** 1980 Nov–Dec;20(6):838–42 (Eng. Abstr.) **(Rus)**

RETINAL TEARS see **RETINAL DETACHMENT**

RETINAL VEIN

Occlusion of the central retinal vein [letter] Schatz H. **Am J Ophthalmol** 1981 Jan;91(1):118–9

Retinal branch vessel occlusion in acute intermittent porphyria. Miller SA, et al. **Ann Ophthalmol** 1979 Sep; 11(9):1379–83

Central retinal vein occlusion in a patient with familial antithrombin III deficiency: case report. Ririe DG, et al. **Ann Ophthalmol** 1979 Dec;11(12):1841–5

Central retinal vein occlusion and scleroderma: implications for sclerodermatous vascular disease. Littlejohn GO, et al. **Ann Rheum Dis** 1981 Feb;40(1):96–9

Macular oedema and retinal branch vein occlusion. Greer DV, et al. **Aust J Ophthalmol** 1980 Aug;8(3):207–9

Large capillary aneurysms secondary to retinal venous obstruction. Schulman J, et al. **Br J Ophthalmol** 1981 Jan; 65(1):36–41

Clinical features of thrombotic glaucoma. Kartasheva EA. **Can J Ophthalmol** 1980 Jul;15(3):134–6

Electronmicroscopic observations of traditional Chinese medicine influence on changes in platelet aggregation in central retinal vein occlusion. Zhang HR. **Chin Med J [Engl]** 1981 May;94(5):319–24

Treatment of neovascularization secondary to branch retinal vein obstruction. Archer DB, et al. **Int Ophthalmol** 1981 May;3(3):141–53

Branch retinal vein occlusion. Maino JH, et al. **J Am Optom Assoc** 1980 Dec;51(12):1107–8

A new cryopathic syndrome. Caudron M, et al. **J Clin Pathol** 1980 Sep;33(9):815–22

Prostacyclin in central retinal vein occlusion [letter] Zygulska–Mach H, et al. **Lancet** 1980 Nov 15;2(8203):1075

Central retinal–vein occlusion five days after a marathon [letter] Jampol LM, et al. **N Engl J Med** 1981 Sep 24; 305(13):764

ABO blood–groups and retinal venous occlusions [letter] White LE. **NZ Med J** 1980 Sep 10;92(667):213

Bilateral central retinal vein occlusion in a patient with scleroderma. Saari KM, et al. **Ophthalmologica** 1981; 182(1):7–12

Vascular accidents in acute angle closure glaucoma. Sonty S, et al. **Ophthalmology (Rochester)** 1981 Mar;88(3):225–8

Vitreous changes in retinal branch vein occlusion. Trempe CL, et al. **Ophthalmology (Rochester)** 1981 Jul;88(7):681–7

The natural course of central retinal vein occlusion. Zegarra H, et al. **Ophthalmology (Rochester)** 1979 Nov; 86(11):1931–42

Retinal vascular accidents in glaucoma and ocular hypertension. Luntz MH, et al. **Surv Ophthalmol** 1980 Nov–Dec;25(3):163–7

[Combined Western and traditional Chinese medicine in diagnosis and treatment of retinal venous thrombosis (author's transl)] Liu HC. **Chung Hua Yen Ko Tsa Chih** 1980 Nov;16(4):337–9 **(Chi)**

[Some observations on the electroretinogram (ERG) elicited by Ganzfield (whole–field) stimulation in patients with central retinal vein thrombosis and retinitis pigmentosa (author's transl)] Yang ZY. **Chung Hua Yen Ko Tsa Chih** 1979;15(3):171–4 **(Chi)**

[Value of fluorescein angiography in occlusions of the retinal veins] Bacin F, et al. **Bull Soc Ophtalmol Fr** 1980 Aug–Sep; 80(8–9):759–60 (Eng. Abstr.) **(Fre)**

[Occlusion of the central retinal vein associated with cilioretinal artery infarction] Lefrançois A, et al. **Bull Soc Ophtalmol Fr** 1980 Jan;80(1):67–72 (Eng. Abstr.) **(Fre)**

[Transitory closed–angle glaucoma following a central retinal vein thrombosis] Brouillette G, et al. **Can J Ophthalmol** 1981 Jan;16(1):43–5 (Eng. Abstr.) **(Fre)**

[Treatment of retinal vascular accidents] Girard P, et al. **Rev Med Interne** 1980;1(2):259–63 (Eng. Abstr.) **(Fre)**

[Acute generalized retinal periphlebitis (author's transl)] Bleckmann H, et al. **Klin Monatsbl Augenheilkd** 1980 Jul; 177(1):70–4 (Eng. Abstr.) **(Ger)**

[Fluorescein angiographic findings in retinal venous thromboses (author's transl)] Hammerstein W, et al. **Klin Monatsbl Augenheilkd** 1980 Sep;177(3):319–23 (Eng. Abstr.) **(Ger)**

[Treatment of central retinal venous and arterial occlusion by isovolemic hemodilution (author's transl)] Wiederholt M, et al. **Klin Monatsbl Augenheilkd** 1980;177(2):157–64 **(Ger)**

[Hyperbaric oxygen therapy in thrombotic occlusion of the central retinal vein] Gismondi A, et al. **Minerva Med** 1981 May 31;72(22):1413–5 (Eng. Abstr.) **(Ita)**

[Efficacy of photocoagulation in the treatment of occlusion of a branch of the central retinal vein (author's transl)] Sugita T, et al. **Nippon Ganka Gakkai Zasshi** 1980 Aug; 84(8):836–44 (Eng. Abstr.) **(Jpn)**

[Risk factors in central retinal vein thrombosis] Vasinca M, et al. **Rev Chir [Oftalmol]** 1981 Jan–Mar;25(1):21–3 **(Rum)**

[Effectiveness of the combination treatment of retinal venous thromboses using ultrasound and a heparin ointment] Cherepanova GI, et al. **Oftalmol Zh** 1981;36(2):93–5 (Eng. Abstr.) **(Rus)**

[Differential diagnosis of anastomoses and neovascularization in retinal vein occlusion] Kartasheva EA, et al. **Vestn Oftalmol** 1980 Nov–Dec;(6):45–8 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Hemi–central retinal vein occulsion. Pathogenesis, clinical features, and natural history. Hayreh SS, et al. **Arch Ophthalmol** 1980 Sep;98(9):1600–9

Familial chorioretinal vascular anastomoses and congenital cataracts. Awan KJ. **J Pediatr Ophthalmol Strabismus** 1980 Nov–Dec;17(6):384–8

PATHOLOGY

Long–term follow–up of occlusion of the central retinal vein in young adults. Priluck IA, et al. **Am J Ophthalmol** 1980 Aug;90(2):190–202

[Changes in architecture of local circulation after retinal branch vein occlusion as observed by fluorescein

angiography (author's transl)] Liang SJ. **Chung Hua Yen Ko Tsa Chih** 1980;16(1):1–5 **(Chi)**

[Treatment of occlusion of central retinal vein branches using photocoagulation. A preliminary report.] John J. **Cesk Oftalmol** 1981 Jan;37(1):34–7 (Eng. Abstr.) **(Cze)**

[New treatment of thrombosis of the central retinal vein. Early observations] Foerster M, et al. **J Mal Vasc** 1980; 5(4):265–6 **(Fre)**

[The significance of enlarged retinal veins in the diagnosis of multiple sclerosis: report of a patient (author's transl)] Rosales Carballa J. **Med Clin (Barc)** 1981 Jun 10;77(1):30–2 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Hemostatic studies in patients with diabetic retinopathy and retinal vein occlusion. Pavlotsky F, et al. **Metab Pediatr Ophthalmol** 1980;4(3):125–8

[Observations of the course of branch and central venous occlusions (author's transl)] Vidic B, et al. **Klin Monatsbl Augenheilkd** 1980 Dec;177(6):710–4 (Eng. Abstr.) **(Ger)**

[The evolutional process of retinal branch vein occlusion: clinical significance of focal dye leakage from the vein at the site of occlusion (author's transl)] Takeda M, et al. **Nippon Ganka Gakkai Zasshi** 1980 Aug;84(8):845–57 (Eng. Abstr.) **(Jpn)**

[Functional outcomes of retinal vein thromboses with late patient hospitalization] Golychev VN. **Oftalmol Zh** 1980; 35(6):332–4 (Eng. Abstr.) **(Rus)**

[Microcirculatory characteristics in retinal vein thrombosis] Lavrik NS. **Oftalmol Zh** 1980;35(6):334–6 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Idiopathic superior ophthalmic vein thrombosis. Baskara Rajan G, et al. **Indian Pediatr** 1981 Jan;18(1):74–5

SURGERY

Management of retinal venous occlusion. Demeler U. **Ophthalmologica** 1980;180(2):61–7

[Indications for laser coagulation in cases of branch vein occlusion (author's transl)] Klemen UM, et al. **Klin Monatsbl Augenheilkd** 1980 Dec;177(6):715–8 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

[Diabetic retinopathy and thrombosis: an experimental study (author's transl)] Ishibashi T, et al. **Nippon Ganka Gakkai Zasshi** 1980 Aug;84(8):878–89 (Eng. Abstr.) **(Jpn)**

[Ultrastructural changes of peripheral retinal vessels in glaucoma (author's transl)] Radnót M, et al. **Klin Oczna** 1980;82(11):579–80 (Eng. Abstr.) **(Pol)**

RETINAL VESSELS

see related

FLUORESCEIN ANGIOGRAPHY

Retinal perivasculitis in phacolytic glaucoma. Friberg TR. **Am J Ophthalmol** 1981 Jun;91(6):761–3

Narrow-band (540NM) green-light stereoscopic photography of the surface details of the peripapillary retina. Manor RS, et al. **Am J Ophthalmol** 1981 Jun; 91(6):774–80

Vascular casts of experimental retinal neovascularization. Tano Y, et al. **Am J Ophthalmol** 1981 Jul;92(1):110–20

Retinal neovascularization after intravitreal fibroblast injection. Tano Y, et al. **Am J Ophthalmol** 1981 Jul; 92(1):103–9

Retinal vascular occlusion. Stern WH, et al. **Annu Rev Med** 1981;32:101–6 (28 ref.)

The significance of baring of the circumlinear vessel. A prospective study. Osher RH, et al. **Arch Ophthalmol** 1981 May;99(5):817–8

Large capillary aneurysms secondary to retinal venous obstruction. Schulman J, et al. **Br J Ophthalmol** 1981 Jan; 65(1):36–41

Wyburn-Mason syndrome (a case report). Jain IS, et al. **Indian J Ophthalmol** 1980 Oct;28(3):161–3

Electroretinogram changes after fluorescein injection: a new method to evaluate blood-retinal barrier dysfunction. Tamai M, et al. **Invest Ophthalmol Vis Sci** 1981 Feb; 20(2):272–6

Vasectomy and arteriolar sclerosis [letter] Yolton RL. **J Am Optom Assoc** 1981 Mar;52(3):260

Retinal vascular occlusion and thrombocyte aggregation. Heidrich H, et al. **J Med** 1980;11(2–3):127–31

Serious retinopathy in a diabetic clinic: prevalence and therapeutic implications. Scobie IN, et al. **Lancet** 1981 Sep 5;2(8245):520–1

Behçet's disease: an unusual case with bilateral obliterating retinal panarteritis and ischemic optic atrophy. Cotticelli L, et al. **Ophthalmologica** 1980;180(6):328–32

Photocoagulation in retinal branch vein occlusion. Gutman FA, et al. **Trans Am Ophthalmol Soc** 1980;78:156–66

[Two cases of rate vascular retinal diseases in young soldiers (author's transl)] Dubská Z, et al. **Cesk Oftalmol** 1981 Jan; 37(1):47–52 (Eng. Abstr.) **(Cze)**

[Secondary vascular diseases of the retina] Chauvaud D, et al. **Annee Ther Clin Ophtalmol** 1979;30:287–95 (Eng. Abstr.) **(Fre)**

[Primary retinal vascular anomalies] François P. **Annee Ther Clin Ophtalmol** 1979;30:277–86 (Eng. Abstr.) **(Fre)**

[Treatment of retinal venous occlusions] Arnoux M, et al. **Bull Soc Ophtalmol Fr** 1980 Oct;80(10):873–6 **(Fre)**

[Experimental study on the effects of endodiathermy on intra-vitreous vessels] Bacin F, et al. **Bull Soc Ophtalmol Fr** 1979 Aug–Sep;79(8–9):807–15 (Eng. Abstr.) **(Fre)**

[Peripheral sub-retinal neovascularization - an ignored concept] Bec P, et al. **Bull Soc Ophtalmol Fr** 1980 Apr–May;80(4–5):381–3 **(Fre)**

[Cilio-retinal artery in epipapillary dimples] Castier P, et al. **Bull Soc Ophtalmol Fr** 1980 Nov;80(11):1122–3 (Eng. Abstr.) **(Fre)**

[Value of studying angioscotomas in the chronic glaucomatous patient] Malbrel C. **Bull Soc Ophtalmol Fr** 1979 Aug–Sep;79(8–9):717–9 (Eng. Abstr.) **(Fre)**

[Utility of low light level television cameras for the fluorescein angiography of the retina (author's transl)] Körber N, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 215(2):129–36 (Eng. Abstr.) **(Ger)**

[Therapy of acute occlusion of the retinal vessels with low-molecular dextran] Dimmer H, et al. **Klin Monatsbl Augenheilkd** 1980 Jan;176(1):80–4 (Eng. Abstr.) **(Ger)**

[Assessment of treatment of retinal angiopathies (author's transl)] Witzmann R. **Klin Monatsbl Augenheilkd** 1980 Nov; 177(5):628–33 (Eng. Abstr.) **(Ger)**

[Carbohydrate metabolism disorders and retinal changes in childhood] Baratono S, et al. **Minerva Pediatr** 1981 Mar 15;33(5):183–8 (Eng. Abstr.) **(Ita)**

[Late treatment results in retinal vessel thrombosis] Cherkasov IS, et al. **Oftalmol Zh** 1980;35(6):329–32 (Eng. Abstr.) **(Rus)**

[Drug and surgical treatment of retinal vessel thromboses] Shpak NI, et al. **Oftalmol Zh** 1980;35(6):326–9 (Eng. Abstr.) **(Rus)**

[Fluorescein angiography and angioscopy of the eye in primary glaucoma] Smelovskiĭ AS. **Oftalmol Zh** 1981; 36(1):16–9 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Bilateral optic nerve hypoplasia with unilateral retinal vessel abnormality. Kingham JD, et al. **Ann Ophthalmol** 1980 Apr; 12(4):377–80

Duane's retraction syndrome associated with morning glory syndrome. Kawano K, et al. **J Pediatr Ophthalmol Strabismus** 1981 Jan–Feb;18(1):51–4

Retinal blood vessels. Neovascularisation, collaterals, and shunts. Henkind P. **Trans Ophthalmol Soc NZ** 1981; 33:46–50

[A new case of macular cirsoid aneurysm] Malbrel C, et al. **Bull Soc Ophtalmol Fr** 1980 Nov;80(11):1133–5 (Eng. Abstr.) **(Fre)**

ANALYSIS

Actin filaments in retinal pericytes and endothelial cells. Wallow IH, et al. **Invest Ophthalmol Vis Sci** 1980 Dec; 19(12):1433–41

ANATOMY & HISTOLOGY

The ratio of the size of the optic cup (as determined by the place where the vessels deviate) to size of the disc. Godio LB, et al. **Am J Optom Physiol Opt** 1981 May;58(5):367–71

A simple staining method for blood vessels in flat preparations of ocular tissues. Raviola G, et al. **Invest Ophthalmol Vis Sci** 1980 Dec;19(12):1518–21

[The ora serrata, yesterday and today] Amalric P. **Bull Mem Soc Fr Ophtalmol** 1980;92:208–13 **(Fre)**

[Role of the microvasculature of the chorioretina in peripheral pathology] Morone G, et al. **Bull Mem Soc Fr Ophtalmol** 1980;92:29–32 **(Fre)**

[Vascular pattern in the extreme peripheral retina (author's transl)] Miyakubo H, et al. **Nippon Ganka Gakkai Zasshi** 1980 Oct 10;84(10):1765–76 (Eng. Abstr.) **(Jpn)**

[Photography of eye fundus blood vessels in monochromatic light (author's transl)] Szczypiński J. **Klin Oczna** 1981; 83(2):67–8 (Eng. Abstr.) **(Pol)**

[Vascular-neurocytic interrelations in the ganglionic layer of the dog retina exposed to gravitational overloading] Sapin MR, et al. **Arkh Anat Gistol Embriol** 1980 Aug; 79(8):48–51 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Isolation of pure retinal vascular explants from human cadaver eyes. Tripathi BJ, et al. **Exp Eye Res** 1980 Aug; 31(2):247–50

Immunofluorescent imaging of capillaries and pericytes in human skeletal muscle and retina. Williamson JR, et al. **Microvasc Res** 1980 Sep;20(2):233–41

DRUG EFFECTS

The effect of glipizide treatment on the morphology of retinal capillaries from mice with the obese-hyperglycaemic syndrome. Agren A, et al. **Acta Endocrinol [Suppl] (Copenh)** 1980 Sep 12;239:33–6

Effect of monosodium glutamate on retinal vessel development and permeability in rats. Bellhorn RW, et al. **Invest Ophthalmol Vis Sci** 1981 Aug;21(2):237–47

Identification of fructose as the retinopathic agent associated with the ingestion of sucrose-rich diets in the rat. Boot-Handford R, et al. **Metabolism** 1980 Dec; 29(12):1247–52

[Microcirculation disturbances at the onset of diabetic retinopathy. New therapeutic procedures? (author's transl)] Jütte A, et al. **Klin Monatsbl Augenheilkd** 1980 Jul; 177(1):1–6 (Eng. Abstr.) **(Ger)**

[Results of retinal photographic studies of carbon disulfide-exposed workers] Bittersohl G, et al. **Z Gesamte Hyg** 1980 Apr;26(4):260–2 (Eng. Abstr.) **(Ger)**

EMBRYOLOGY

[Development of the pecten oculi in the chick embryo. A light and scanning electron microscopic study] Puzzolo D, et al. **Arch Ital Anat Embriol** 1980;85(2):105–28 (Eng. Abstr.) **(Ita)**

GROWTH & DEVELOPMENT

Bilateral juxtapapillary subretinal neovascularization associated with pseudotumor cerebri. Morse PH, et al. **Am J Ophthalmol** 1981 Mar;91(3):312–7

[Differential diagnosis of anastomoses and neovascularization in retinal vein occlusion] Kartasheva EA, et al. **Vestn Oftalmol** 1980 Nov–Dec;(6):45–8 (Eng. Abstr.) **(Rus)**

INJURIES

Retinopathy in the sexually abused battered child. San Martin R, et al. **Ann Ophthalmol** 1981 Jan;13(1):89–91

METABOLISM

The permeability of the posterior blood ocular barrier after xenon photocoagulation: a study using fluorescein labelled dextrans. McNaught EI, et al. **Br J Ophthalmol** 1981 Jul; 65(7):473–7

Transport of hexoses, potassium and neutral amino acids into capillaries isolated from bovine retina. Betz AL, et al. **Exp Eye Res** 1980 May;30(5):593–605

PATHOLOGY

Retinal and dermal comparative evaluation of vascular abnormalities in myotonic dystrophy. Sandrini G, et al. **Acta Neurol (Napoli)** 1980 Oct;35(5):367–72

Changing appearance of retinal arteriovenous malformation. Augsburger JJ, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 215(1):65–70

Unusual presentation of acute ocular toxoplasmosis. Gilbert HD. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 215(1):53–8

Retrolental fibroplasia and the retinal vasculature [letter] Cole G. **Am J Ophthalmol** 1980 Sep;90(3):435–6

Choroidoretinal vascular anastomoses. Slusher MM, et al. **Am J Ophthalmol** 1980 Aug;90(2):217–22

Talc retinopathy in primates. A model of ischemic retinopathy: I. Clinical studies. Jampol LM, et al. **Arch Ophthalmol** 1981 Jul;99(7):1273–80

Chorioretinal dysplasia in young subjects with Wagner's hereditary vitreoretinal degeneration. Van Nouhuys CE. **Int Ophthalmol** 1981 Mar;3(2):67–77

Studies on retinal neovascularization. Friedenwald Lecture. Patz A. **Invest Ophthalmol Vis Sci** 1980 Oct;19(10):1133–8

Endothelial fenestrae in proliferative diabetic retinopathy. Wallow IH, et al. **Invest Ophthalmol Vis Sci** 1980 Oct; 19(10):1176–83

Retinal vasculitis: a review. Sanders MD. **J R Soc Med** 1979 Dec;72(12):908–15

The pathogenesis of retrolental fibroplasia. Ashton N. **Ophthalmology (Rochester)** 1979 Oct;86(10):1695–9

The assessment of visual function with particular reference to vascular disease of the eye. Foulds WS, et al. **Trans Ophthalmol Soc NZ** 1980;32:55–68

Retinal blood vessels. Neovascularisation, collaterals, and shunts. Henkind P. **Trans Ophthalmol Soc NZ** 1981; 33:46–50

Retrolental fibroplasia (retinopathy of prematurity). Patz A. **Trans Ophthalmol Soc NZ** 1980;32:49–54

Comparison of the size of pericytes of the retinal capillaries in the normal and diabetic state. Fisher RF. **Trans Ophthalmol Soc UK** 1980 Apr;100(Pt 1):90–5

[Anatomopathological aspects of diabetic retinopathy] Toussaint D, et al. **Bull Soc Belge Ophtalmol** 1980; (188–189):87–112 **(Fre)**

[Retinal vascular involvement as manifestation of sarcoidosis] Chauvaud D, et al. **Bull Soc Ophtalmol Fr** 1980 Dec; 80(12):1181–2 **(Fre)**

[Minor forms of Leber-Coats syndrome (clinical cases)] Taillanter-Francoz N, et al. **Bull Soc Ophtalmol Fr** 1981 Apr–May;81(4–5):523–5 (Eng. Abstr.) **(Fre)**

[Acquired chorio-retinal anastomoses (author's transl)] Poletti J. **J Fr Ophtalmol** 1980 Dec;3(12):737–41 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

A defect in the blood–retina barrier in the optic nerve head region in the rabbit and the monkey. Flage T. **Acta Ophthalmol (Copenh)** 1980 Aug;58(4):645–51

Image splitting—a technique for measuring retinal vascular reactivity. Wilson TM, et al. **Br J Ophthalmol** 1981 Apr; 65(4):291–3

Autoregulation of retinal circulation in response to decrease of perfusion pressure. Riva CE, et al. **Invest Ophthalmol Vis Sci** 1981 Jul;21(1 Pt 1):34–8

Blue field entoptic phenomenon and blood velocity in the retinal capillaries. Riva CE, et al. **J Opt Soc Am** 1980 Oct; 70(10):1234–8

Retinal and choroidal blood flow in unstressed fetal and neonatal lambs. Peeters LL, et al. **Pediatr Res** 1980 Sep; 14(9):1047–52

The peculiar circulation. A review of retinal blood supply. Parr JC. **Trans Ophthalmol Soc NZ** 1980;32:40–8

[Blood supply of the optic disk and fundus oculi studied with a photoelectronic ophthalmocomparator] Egorov EA, et al. **Voen Med Zh** 1980 Nov;(11):56–7 **(Rus)**

PHYSIOPATHOLOGY

Clinicopathologic study of blood–retinal barrier in experimental diabetes mellitus. Tso MO, et al. **Arch Ophthalmol** 1980 Nov;98(11):2032–40

Transient-like function and associated retinal capillary anomalies. Analysis of a patient with early retinopathy secondary to juvenile–onset diabetes mellitus. Temme LA, et al. **Invest Ophthalmol Vis Sci** 1980 Sep;19(9):991–1008

Developments in the pathology of diabetic retinopathy: a review. Garner A. **J R Soc Med** 1981 Jun;74(6):427–31 (55 ref.)

Vasodilation and the etiology of diabetic retinopathy: a new model. Wolbarsht ML, et al. **Ophthalmic Surg** 1981 Feb; 12(2):104–7

Oscillatory potentials. History, techniques and potential use in the evaluation of disturbances of retinal circulation. Speros P, et al. **Surv Ophthalmol** 1981 Jan–Feb;25(4):237–52 (98 ref.)

[Retinal capillary occlusion syndrome] Coscas G, et al. **Annee Ther Clin Ophtalmol** 1979;30:237–62 (Eng. Abstr.) **(Fre)**

[Physiopathology and signs of retinal ischemia] Metge P. **Annee Ther Clin Ophtalmol** 1979;30:43–67 (Eng. Abstr.) **(Fre)**

[Pathogenesis of diabetic retinopathy] Dhermy P, et al. **Bull Soc Belge Ophtalmol** 1980;(188–189):73–85 **(Fre)**

[The hemodynamics of the uveal and retinal circulation and its clinical diagnosis (author's transl)] Niesel P. **Ophthalmologica** 1980;180(2):101–9 (Eng. Abstr.) **(Ger)**

[The usefulness of ophthalmological investigations, fluoroangioscopy, in particular, for the diagnosis of brain death: III: Fluorescein tests arm–retina and retinal circulation in brain death (author's transl)] Chomicz J. **Klin Oczna** 1980 Aug;82(8):403–5 (Eng. Abstr.) **(Pol)**

[Retinitis pigmentosa and its experimental model: III. Fluorescein angiographic investigations (author's transl)] Sole P, et al. **Klin Oczna** 1980;82(11):563–4 (Eng. Abstr.) **(Pol)**

[Rheoophthalmographic studies in iridocyclitis] Krivitskii AK, et al. **Oftalmol Zh** 1980;35(5):295–7 (Eng. Abstr.) **(Rus)**

[Features of the circulation of the fundus oculi in patients with cerebral arteriovenous aneurysms and arteriosinus anastomoses] Sokolova ON, et al. **Zh Vopr Neirokhir** 1980 Sep–Oct;(5):41–6 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Ischemic capillaropathy induced by radiation] Chauvaud D, et al. **Bull Soc Ophtalmol Fr** 1981 Jan;81(1):101–4 **(Fre)**

[Possibilities for ocular vessel coagulation (author's transl)] Boergen KP, et al. **Klin Monatsbl Augenheilkd** 1980 Oct; 177(4):492–9 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

[Angiographic aspects of various benign retinal tumors (hamartomas)] Coscas G, et al. **Bull Soc Ophtalmol Fr** 1981 Feb;81(2):187–91 **(Fre)**

SURGERY

A bipolar coaxial microprobe for safe transvitreal diathermy. Parel JM, et al. **Arch Ophthalmol** 1981 Mar;99(3):494–7

Photocoagulation in proliferative sickle retinopathy: results of a 5–year study. Condon PI, et al. **Br J Ophthalmol** 1980 Nov;64(11):832–40

Photocoagulation for optic disc new vessels in diabetes mellitus. Asher R, et al. **Int Ophthalmol** 1981 Mar; 3(2):79–85

[Treatment of peripheral retinal telangiectasia in Leber–Coats angiopathy] Turut P, et al. **Bull Mem Soc Fr Ophtalmol** 1980;92:52–5 **(Fre)**

ULTRASTRUCTURE

Ultrastructural lesions of retinal pericapillary Müller cells in streptozotocin–induced diabetic rats. Hori S, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 213(1):1–9

Electron microscopic features of experimental choroidal neovascularization. Archer DB, et al. **Am J Ophthalmol** 1981 Apr;91(4):433–57

Disruption of blood–retinal barrier in experimental diabetic rats: an electron microscopic study. Ishibashi T, et al. **Exp Eye Res** 1980 Apr;30(4):401–10

Studies on retinal capillary cells in tissue culture. Frank RN. **Vision Res** 1981;21(1):165–8

[Developmental study on the pecten oculi capillaries of the chicken (author's transl)] Amemiya T. **Nippon Ganka Gakkai Zasshi** 1981;85(1):1–7 (Eng. Abstr.) **(Jpn)**

[Effects of prostaglandin on the blood–ocular barriers. II. Effects on the blood–retinal barrier (author's transl)] Masunaga J. **Nippon Ganka Gakkai Zasshi** 1980 Oct 10; 84(10):1746–58 (Eng. Abstr.) **(Jpn)**

RETINITIS

CHEMICALLY INDUCED

[Pseudoretinitis pigmentosa caused by ceporine. Apropos of 4 cases] Turut P, et al. **Bull Soc Ophtalmol Fr** 1979 Nov–Dec;79(11–12):1095–8 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Coats' disease in a patient with Cornelia de Lange syndrome. Folk JC, et al. **Am J Ophthalmol** 1981 May;91(5):607–10

Herpes simplex type 1 retinitis in an adult with systemic herpes zoster. Partamian LG, et al. **Am J Ophthalmol** 1981 Aug;92(2):215–20

Association of foveomacular retinitis, ankylosing spondylitis, iritis, and acquired iris atrophy. Lehman RH, et al. **Ann Ophthalmol** 1979 Aug;11(8):1227–32

Bilateral necrotizing retinitis complicating fatal encephalitis probably due to herpes simplex virus type 2. Greer CH. **Ophthalmologica** 1980;180(3):146–50

[Breaks and tears in peripheral retinal inflammation] Lagoutte F, et al. **Bull Mem Soc Fr Ophtalmol** 1980;92:33–5 **(Fre)**

[Effect of neo–synephrine eye drops on the blood pressure of a young hypertensive patient (author's transl)] Huismans H. **Klin Monatsbl Augenheilkd** 1980 May;176(5):852–4 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Vogt–Koyanagi–Harada syndrome with focal neurologic signs. Lubin JR, et al. **Am J Ophthalmol** 1981 Mar; 91(3):332–41

Presumed ocular tuberculosis. Clever VG. **Ann Ophthalmol** 1980 Apr;12(4):424–6

Coats' disease. Fox KR. **Metab Pediatr Ophthalmol** 1980; 4(3):121–4

[Two cases of rate vascular retinal diseases in young soldiers (author's transl)] Dubská Z, et al. **Cesk Oftalmol** 1981 Jan; 37(1):47–52 (Eng. Abstr.) **(Cze)**

[Extensive subretinal exudate] Poletti J, et al. **Bull Soc Ophtalmol Fr** 1980 Dec;80(12):1279–80 (Eng. Abstr.) **(Fre)**

[Diagnostic and treatment experience with central serous retinitis] Felhagen KH, et al. **Vestn Oftalmol** 1981 Jan–Feb; (1):20–2 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Cytomegalovirus retinitis in immunosuppressed hosts. I. Natural history and effects of treatment with adenine arabinoside. Pollard RB, et al. **Ann Intern Med** 1980 Nov; 93(5):655–64

Fungal retinitis: a case of Torulopsis glabrata infection treated with miconazole. Fitzsimons RB, et al. **Br J Ophthalmol** 1980 Sep;64(9):672–5

ETIOLOGY

Rift Valley fever retinitis. Deutman AF, et al. **Am J Ophthalmol** 1981 Jul;92(1):38–42

Herpes virus hominis encephalomyelitis and retinal vasculitis in adults. Savir H, et al. **Ann Ophthalmol** 1980 Dec; 12(12):1369–71

Ocular disease resulting from infection with Rift Valley fever virus. Siam AL, et al. **Trans R Soc Trop Med Hyg** 1980; 74(4):539–41

[Retinal abnormalities caused by Rift Valley fever virus] Klomp HJ, et al. **Ned Tijdschr Geneeskd** 1980 Dec 13; 124(50):2122–5 (Eng. Abstr.) **(Dut)**

[Branch artery occlusion due to focal necrotizing retinitis — probably caused by toxoplasmosis (author's transl)] Haefliger E, et al. **Klin Monatsbl Augenheilkd** 1980 Apr; 176(4):613–8 (Eng. Abstr.) **(Ger)**

[Solar retinitis (author's transl)] Köhlerová Z, et al. **Cesk Oftalmol** 1981 Jan;37(1):44–6 (Eng. Abstr.) **(Slo)**

IMMUNOLOGY

Cytomegalovirus retinitis in immunosuppressed hosts. II. Ocular manifestations. Egbert PR, et al. **Ann Intern Med** 1980 Nov;93(5):664–70

[Protein concentrations in the aqueous humor in Coats' disease (author's transl)] Daxecker F, et al. **Klin Monatsbl Augenheilkd** 1980 Jan;176(1):76–9 (Eng. Abstr.) **(Ger)**

[Retinal pigment epithelium (RPE); its pathogenic role on experimental autoimmune uveo–retinitis (EAU) (author's transl)] Usui M, et al. **Nippon Ganka Gakkai Zasshi** 1980 Sep 10;84(9):1064–74 (Eng. Abstr.) **(Jpn)**

MICROBIOLOGY

Acute acquired toxoplasmosis. Reese LT, et al. **Ann Ophthalmol** 1981 Apr;13(4):467–70

PHYSIOPATHOLOGY

[Ophthalmodynomometry results in central serous retinopathy] Salacz G, et al. **Klin Monatsbl Augenheilkd** 1980 Feb;176(2):211–3 (Eng. Abstr.) **(Ger)**

[Electro–retinographical study on early phase of experimental uveoretinitis (author's transl)] Hamazaki J. **Nippon Ganka Gakkai Zasshi** 1980 Sep 10;84(9):1075–84 (Eng. Abstr.) **(Jpn)**

SURGERY

[Treatment of central serous retinopathy with argon laser combined with fluorescein angiography (author's transl)] Guo XR. **Chung Hua Yen Ko Tsa Chih** 1979;15(4):254–7 **(Chi)**

[Treatment of central serous retinopathy with helium–neon laser in 115 cases (141 eyes)—a preliminary report (author's transl)] Li JX. **Chung Hua Yen Ko Tsa Chih** 1979; 15(4):258–60 **(Chi)**

THERAPY

[Preliminary observations on therapeutic results in 80 cases (100 eyes) of central serous retinopathy treated with ultrasound (author's transl)] Zhang ZY. **Chung Hua Yen Ko Tsa Chih** 1979;15(4):250–3 **(Chi)**

RETINITIS PIGMENTOSA

Criteria for development of animal models of diseases of the eye. Aguirre G. **Am J Pathol** 1980 Dec;101(3 Suppl):S187–96

Driving performance of retinitis pigmentosa patients. Fishman GA, et al. **Br J Ophthalmol** 1981 Feb;65(2):122–6

Retinitis pigmentosa. Carr RE, et al. **Ophthalmology (Rochester)** 1981 Feb;88(2):169–72

BLOOD

Taurine and other amino acids of platelets and plasma in retinitis pigmentosa. Airaksinen EM, et al. **Ann Clin Res** 1980 Apr;12(2):52–4

Serum ceruloplasmin and immunoglobulins in retinitis pigmentosa patients. Jain IS, et al. **Ann Ophthalmol** 1981 Jun;13(6):733–4

Decrease in the uptake and concentration of taurine in blood platelets of retinitis pigmentosa patients. Airaksinen EM, et al. **Metab Pediatr Ophthalmol** 1981;5(1):45–8

COMPLICATIONS

Heterogeneity of retinal degeneration and hearing impairment syndromes. Bateman JB, et al. **Am J Ophthalmol** 1980 Dec;90(6):755–67

Color vision defects in retinitis pigmentosa. Fishman GA, et al. **Ann Ophthalmol** 1981 May;13(5):609–18

Ultrastructure of human cataract in retinitis pigmentosa. Eshaghian J, et al. **Arch Ophthalmol** 1980 Dec; 98(12):2227–30

Hereditary renal–retinal dysplasia. Godel V, et al. **Doc Ophthalmol** 1980 Oct 15;49(2):347–59

Low vision correction in retinitis pigmentosa and associated diseases. Fonda G. **Int J Rehabil Res** 1980;3(1):39–43

[Kearns–Sayre syndrome with hypoparathyroidism and diabetes (author's transl)] Robain O, et al. **Ann Pediatr (Paris)** 1980 May;27(5):305–10 (Eng. Abstr.) **(Fre)**

[Retinopathy of Kearns' syndrome] Delplace MP, et al. **Bull Soc Ophtalmol Fr** 1980 Apr–May;80(4–5):437–9 **(Fre)**

[Ophthalmoplegia plus: clinical, metabolic and histochemical study of a new case] Cotrufo R, et al. **Acta Neurol [Quad] (Napoli)** 1979;39:77–89 (Eng. Abstr.) **(Ita)**

[A case of spinocerebellar ataxia with retinitis pigmentosa, deafness, seizure and EEG abnormality (author's transl)] Itoh J, et al. **Rinsho Shinkeigaku** 1980 Jul;20(7):577–83 (Eng. Abstr.) **(Jpn)**

[Gregg's syndrome in an 11–month–old infant] Marczyńska–Robowska M, et al. **Pediatr Pol** 1980; 55(11):1237–41 **(Pol)**

[Anesthesia and 'ophthalmoplegia plus'] Gómez–Arnau J, et al. **Rev Esp Anestesiol Reanim** 1981 Jan;28(1):44–5 **(Spa)**

DIAGNOSIS

Vitreous fluorophotometry in patients with retinitis pigmentosa. Fishman GA, et al. **Arch Ophthalmol** 1981 Jul; 99(7):1202–7

Psychophysical analysis of visual function in retinitis pigmentosa. A new clinical flicker test. Ernst W, et al. **Dev Ophthalmol** 1981;2:126–9

Optic neuritis and heart block in Kearns–Sayre syndrome. Davis JC, et al. **NY State J Med** 1981 Aug;81(9):1364–8

[Current concepts of pigmentary retinopathy] Grange JD. **Bull Soc Ophtalmol Fr** 1981 Apr–May;81(4–5):505–7 (Eng. Abstr.) **(Fre)**

[A case of unilateral retinitis pigmentosa] Wochesländer E,

et al. **Klin Monatsbl Augenheilkd** 1980 Feb;176(2):207–10 (Eng. Abstr.) **(Ger)**

ETIOLOGY

[Chronic progressive external ophthalmoplegia with atypical retinal pigment dystrophy (author's transl)] Celić M, et al. **Klin Monatsbl Augenheilkd** 1980 Dec;177(6):677–83 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

Considerations on the EEG in Bardet–Biedl's syndrome. 3 cases with a study of one patient's family. Endo M, et al. **Acta Neurol (Napoli)** 1980 Aug;35(4):240–69

Virilism as a late manifestation in the Bardet–Biedl syndrome. Haning RV Jr, et al. **Am J Med Genet** 1980;7(3):279–92

Retinitis pigmentosa, metaphyseal chondrodysplasia, and brachydactyly: an affected brother and sister. Phillips CI, et al. **J Med Genet** 1981 Feb;18(1):46–9

Familial ocular anomalies in juvenile nephronophthisis. Godel V, et al. **Metab Pediatr Ophthalmol** 1980;4(1):25–9

IMMUNOLOGY

HLA typing in retinitis pigmentosa. Heckenlively JR, et al. **Br J Ophthalmol** 1981 Feb;65(2):131–2

METABOLISM

Copper metabolism in retinitis pigmentosa patients. Rao SS, et al. **Br J Ophthalmol** 1981 Feb;65(2):127–30

Copper metabolism changes in pigmentary retinopathies and high myopia. Silverstone B, et al. **Metab Pediatr Ophthalmol** 1981;5(1):49–53

[Retinitis pigmentosa and its experimental model: IV. Biochemical investigations (author's transl)] Solé P, et al. **Klin Oczna** 1981 Jan;83(1):3–5 (Eng. Abstr.) **(Pol)**

[Iron metabolism in retinitis pigmentosa] Hermel B, et al. **Pol Tyg Lek** 1981 Jan 5;36(1):13–4 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Diseases of the retinal pigment epithelium. Maumenee IH, et al. **Birth Defects** 1980;16(2):315–26

Ultrastructure of the preretinal membrane in retinitis pigmentosa. Szamier RB. **Invest Ophthalmol Vis Sci** 1981 Aug;21(2):227–36

[Retinitis pigmentosa and its experimental model: I. Clinical and morphological findings (author's transl)] Sole P, et al. **Klin Oczna** 1980 Sep;82(9):437–9 (Eng. Abstr.) **(Pol)**

[Macular changes in retinal pigment dystrophy] Levina FG. **Oftalmol Zh** 1981;36(2):90–2 (Eng. Abstr.) **(Rus)**

[Changes in the vitreous body in retinal pigment dystrophy] Shershevskaia SF, et al. **Oftalmol Zh** 1980;35(8):461–3 (Eng. Abstr.) **(Rus)**

[Case of unilateral retinal pigment degeneration] Rudol'fi GA, et al. **Vestn Oftalmol** 1981 Jan–Feb;(1):64 **(Rus)**

PHYSIOPATHOLOGY

Abrupt neurological deterioration in children with Kearns–Sayre syndrome. Coulter DL, et al. **Arch Neurol** 1981 Apr;38(4):247–50

Peripheral absolute threshold spectral sensitivity in retinitis pigmentosa. Massof RW, et al. **Br J Ophthalmol** 1981 Feb; 65(2):112–21

Use of light intensifiers in improving acuity in retinitis pigmentosa. Taylor SP. **Br J Physiol Opt** 1979;33(2):29–32

Retinitis pigmentosa [editorial] **Br Med J [Clin Res]** 1981 May 30;282(6278):1736–7

X-linked retinitis pigmentosa: reduced rod flicker sensitivity in heterozygous females. Ernst W, et al. **Invest Ophthalmol Vis Sci** 1981 Jun;20(6):812–6

The relationship between visual sensitivity and rhodopsin density in retinitis pigmentosa. Perlman I, et al. **Invest Ophthalmol Vis Sci** 1981 Jun;20(6):758–65

Color matches of patients with retinitis pigmentosa. Young RS, et al. **Invest Ophthalmol Vis Sci** 1980 Aug;19(8):967–72

[Some observations on the electroretinogram (ERG) elicited by Ganzfield (whole–field) stimulation in patients with central retinal vein thrombosis and retinitis pigmentosa (author's transl)] Yang ZY. **Chung Hua Yen Ko Tsa Chih** 1979;15(3):171–4 **(Chi)**

[Traumatic and placoid pigment epitheliopathy (author's transl)] Saraux H, et al. **J Fr Ophtalmol** 1980 Dec; 3(12):707–10 (Eng. Abstr.) **(Fre)**

[Retinitis pigmentosa and its experimental model: III. Fluorescein angiographic investigations (author's transl)] Sole P, et al. **Klin Oczna** 1980;82(11):563–4 (Eng. Abstr.) **(Pol)**

[Retinitis pigmentosa and its experimental model: II. Electrophysiological investigations (author's transl)] Sole P, et al. **Klin Oczna** 1980;82(11):561–2 (Eng. Abstr.) **(Pol)**

REHABILITATION

The Usher's syndrome adolescent: programming implications for school administrators, teachers, and residential advisors. Hicks WM, et al. **Am Ann Deaf** 1981 Jun;126(4):422–31

SURGERY

[Treatment of retinitis pigmentosa by implantation of lateral rectus muscle into the suprachoroidal space (author's transl)] Zhang GH. **Chung Hua Yen Ko Tsa Chih** 1980; 16(1):49–53 **(Chi)**

THERAPY

The use of tinted lenses as aids in the treatment of pigmentary retinal degeneration—–a review. Taylor SP. **Br J Physiol Opt** 1979;33(3):38–43

Light deprivation and retinitis pigmentosa. Berson EL. **Vision Res** 1980;20(12):1179–84

RETINOBLASTOMA

The nude mouse model for human retinoblastoma: a system for evaluation of retinoblastoma therapy. Benedict WF, et al. **Med Pediatr Oncol** 1980;8(4):391–5

[Intraocular tumors (author's transl)] Witmer R. **Praxis** 1981 Jun 9;70(24):1091–4 (Eng. Abstr.) **(Ger)**

ANALYSIS

Identification and characterization of a growth factor secreted by an established cell line of human retinoblastoma maintained in serum–free medium. Rubin NA, et al. **Vision Res** 1981;21(1):105–12

BLOOD

Chromosome damage in G0 X-irradiated lymphocytes from patients with hereditary retinoblastoma. Morten JE, et al. **Cancer Res** 1981 Sep;41(9 Pt 1):3635–8

COMPLICATIONS

Osteogenic sarcoma of the humerus after cobalt plaque treatment for retinoblastoma. Abramson DH, et al. **Am J Ophthalmol** 1980 Sep;90(3):374–6

Late extraocular tumours in retinoblastoma survivors. François J, et al. **Ophthalmologica** 1980;181(2):93–9

[Secondary glaucoma in children] Witmer R. **Bull Mem Soc Fr Ophtalmol** 1980;92:218–9 **(Fre)**

DIAGNOSIS

Which pathologic characteristics influence echographic patterns of retinoblastoma? Basta LL, et al. **Ann Ophthalmol** 1981 May;13(5):585–8

Rubeosis iridis in 'pseudogliomas'. Moazed K, et al. **Surv Ophthalmol** 1980 Sep–Oct;25(2):85–90

Current approaches to the diagnosis and management of retinoblastoma. Shields JA, et al. **Surv Ophthalmol** 1981 May–Jun;25(6):347–72 (67 ref.)

[Retinoblastoma—a study of 432 cases (author's transl)] Zheng BH. **Chung Hua Yen Ko Tsa Chih** 1980 Nov; 16(4):394–8 **(Chi)**

[Differential diagnosis of leukokoria in opaque media] Balmer A, et al. **Klin Monatsbl Augenheilkd** 1980 Apr;176(4):609–12 (Eng. Abstr.) **(Fre)**

[Retinoblastoma (author's transl)] Balmer A, et al. **Ther Umsch** 1981 Mar;38(3):249–55 (Eng. Abstr.) **(Fre)**

[Infiltrating retinoblastoma – a difficult differential diagnosis (author's transl)] Flick H, et al. **Klin Monatsbl Augenheilkd** 1980;177(2):220–4 (Eng. Abstr.) **(Ger)**

[Fluorescence angiography in retinal tumours (author's transl)] Fuhrmann M. **Klin Oczna** 1980;82(11):577–8 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Tumor regression of human retinoblastoma in the nude mouse following photoradiation therapy: a preliminary report. Benedict WF, et al. **Med Pediatr Oncol** 1980;8(4):397–401

[Chemotherapy of retinal tumors] Haye C, et al. **Bull Mem Soc Fr Ophtalmol** 1980;92:119–22 **(Fre)**

ENZYMOLOGY

Lactate dehydrogenase in tears. MacKay C, et al. **Am J Ophthalmol** 1980 Sep;90(3):385–7

Neuronal properties of neuroectodermal tumors in vitro. Schlesinger HR, et al. **Cancer Res** 1981 Jul;41(7):2573–5

ETIOLOGY

The role of viruses in the development of ocular tumors. Albert DM. **Ophthalmology (Rochester)** 1980 Dec; 87(12):1219–25 (57 ref.)

FAMILIAL & GENETIC

Retinoblastoma: mutational mosaicism or host resistance? Matsunaga E. **Am J Med Genet** 1981;8(4):375–87

An unusual family with retinoblastoma. Sabbah R, et al. **Ann Ophthalmol** 1981 May;13(5):595–6

On estimating penetrance of the retinoblastoma gene [letter] Matsunaga E. **Hum Genet** 1980;56(1):127–8

Retinoblastoma: host resistance and 13q– chromosomal deletion. Matsunaga E. **Hum Genet** 1980;56(1):53–8

Retinoblastoma, gross internal malformations, and deletion 13q14 leads to q31. Yunis E, et al. **Hum Genet** 1981; 56(3):283–6

Recent views on genetic factors in retinoblastoma. Bundey S. **J Med Genet** 1980 Oct;17(5):386–7

Lymphocyte cytotoxicity testing in patients and families with retinoblastoma. Rogers GL, et al. **J Pediatr Ophthalmol Strabismus** 1981 Mar–Apr; 18(2):36–42

Trilateral retinoblastoma [letter] Bader JL, et al. **Lancet** 1980 Sep 13;2(8194):582–3

Chromosome 13 deletion syndrome: report of a new case and discussion of the different etiologic patterns of retinoblastoma. Lungarotti MS, et al. **Ophthalmologica** 1980;181(5):245–50

Gene carrier detection in retinoblastoma. Gallie BL. **Ophthalmology (Rochester)** 1980 Jun;87(6):591–5

[Chromosome study on a case of bilateral retinoblastoma with G– and Q–banding analysis (author's transl)] Ma CJ. **Chung Hua Yen Ko Tsa Chih** 1980 Nov;16(4):303–5 **(Chi)**

[Increased sister–chromatid exchanges in fibroblasts from a del(13)–retinoblastoma patient (author's transl)] Turleau C, et al. **Ann Genet (Paris)** 1980;23(3):169–70 (Eng. Abstr.) **(Fre)**

[Retinoblastoma and interstitial deletion of 13q (author's transl)] De Grouchy J, et al. **Arch Fr Pediatr** 1980 Oct; 37(8):531–5 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Common neuroectodermal antigens on human melanoma, neuroblastoma, retinoblastoma, glioblastoma and fetal brain revealed by hybridoma antibodies raised against melanoma cells. Liao SK, et al. **Eur J Immunol** 1981 Jun;11(6):450–4

Surface and cytoplasmic antigens in retinoblastoma. Felberg NT, et al. **Invest Ophthalmol Vis Sci** 1980 Oct;19(10):1242–5

[Immunological effects of protein–bound polysaccharide, PSK, in the patients with retinoblastoma—changes of T cell and B cell subpopulation of the lymphocytes (author's transl)] Kojima T, et al. **Nippon Ganka Gakkai Zasshi** 1981 May 10;85(5):403–9 (Eng. Abstr.) **(Jpn)**

METABOLISM

Retinoid–binding proteins of retina and retinoblastoma cells in culture. Chader GJ, et al. **Ann NY Acad Sci** 1981 Feb 27;359:115–33

Esterification of retinol by retinoblastoma cell lines WERI–Rb1 and Y79. Saari JC, et al. **Invest Ophthalmol Vis Sci** 1980 Nov;19(11):1301–8

Accumulation of N–3 polyunsaturated fatty acids cultured human Y79 retinoblastoma cells. Hyman BT, et al. **J Neurochem** 1981 Jul;37(1):60–9

MICROBIOLOGY

Retinal tumor induced in the baboon by human adenovirus 12. Mukai N, et al. **Science** 1980 Nov 28;210(4473):1023–5

MORTALITY

Survival of retinoblastoma cases in North India. Dhir SP, et al. **Indian J Ophthalmol** 1980 Jul;28(2):97–100

OCCURRENCE

Advanced retinoblastoma in Malaysian children. Sinniah D, et al. **Acta Ophthalmol (Copenh)** 1980 Oct;58(5):819–24

[The parental age factor in retinoblastoma] Rehuřek J, et al. **Cesk Oftalmol** 1980 Nov;36(6):396–400 (Eng. Abstr.) **(Cze)**

PATHOLOGY

Feulgen–positive deposits in retinoblastoma. Incidence, composition, and ultrastructure. Bunt AH, et al. **Arch Ophthalmol** 1981 Jan;99(1):144–50

Cell death, chromosome damage and mitotic delay in normal human, ataxia telangiectasia and retinoblastoma fibroblasts after x–irradiation. Zampetti–Bosseler F, et al. **Int J Radiat Biol** 1981 May;39(5):547–58

Diffuse infiltrating retinoblastoma. Nicholson DH, et al. **Trans Am Ophthalmol Soc** 1980;78:265–89

RADIOGRAPHY

Computed tomography in the evaluation of patients with bilateral retinoblastomas. Zimmerman RA, et al. **CT** 1979 Dec;3(4):251–7

[Computerized tomography in the diagnosis of orbital neoplasms in children] Gabuniia RI, et al. **Pediatriia** 1980 Dec;(12):27–30 (Eng. Abstr.) **(Rus)**

RADIOTHERAPY

Posterior ocular abnormalities after irradiation for retinoblastoma: a histopathological study. Egbert PR, et al. **Br J Ophthalmol** 1980 Sep;64(9):660–5

Retinoblastoma: the case for radiotherapy and for adjuvant chemotherapy. Freeman CR, et al. **Cancer** 1980 Nov 1; 46(9):1913–8

Radiation management of bilateral retinoblastoma: the need to preserve vision. Gagnon JD, et al. **Int J Radiat Oncol Biol Phys** 1980 Jun;6(6):669–73

[Duplicate malignant tumors in pediatric otolaryngology] Bednaříková L, et al. **Cesk Otolaryngol** 1980 Aug; 29(4):236–9 (Eng. Abstr.) **(Cze)**

[Vitreous changes during treatment of malignant retinal tumors] François P, et al. **Bull Mem Soc Fr Ophtalmol** 1980; 92:178–9 **(Fre)**

[Chorioretinal lesions induced by radiotherapy] Zografos L, et al. **Bull Mem Soc Fr Ophtalmol** 1980;92:325–31 **(Fre)**

[Radiation treatment of retinoblastoma (author's transl)] Morita K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1980 May;40(5):429–35 (Eng. Abstr.) **(Jpn)**

SURGERY

The surgical management of retinoblastoma. Abramson DH, et al. **Ophthalmic Surg** 1980 Sep;11(9):596–8

[Retinoblastoma—a study of 432 cases (author's transl)] Zheng BH. **Chung Hua Yen Ko Tsa Chih** 1980 Nov; 16(4):394–8 **(Chi)**

[Indications for photocoagulation in malignant tumors of the retina] Turut P, et al. **Bull Soc Ophtalmol Fr** 1981 Apr–May;81(4–5):459–62 (Eng. Abstr.) **(Fre)**

[Retinoblastoma, a curable tumor (author's transl)] Balmer A, et al. **Klin Monatsbl Augenheilkd** 1981 Apr;178(4):323–5 (Eng. Abstr.) **(Fre)**

[Case of bilateral retinoblastoma cured by enucleation of both eyeballs] Sporny S, et al. **Pol Tyg Lek** 1980 Oct 20; 35(42):1617–8 (Eng. Abstr.) **(Pol)**

THERAPY

Stage-related combined modality treatment of retinoblastoma. Results of a prospective study. Howarth C, et al. **Cancer** 1980 Mar 1;45(5):851–8

Severe enophthalmos following irradiation of the anophthalmic socket: surgical approaches. Baylis HI, et al. **Ophthalmology (Rochester)** 1979 Sep;86(9):1647–54

[Occurrence of a primary osteosarcoma in a child treated for a retinal tumor] Haye C. **Bull Soc Ophtalmol Fr** 1981 Jan;81(1):99–100 **(Fre)**

[Results of treatment in cases with bilateral retinoblastoma (author's transl)] Chwatowa AW, et al. **Klin Monatsbl Augenheilkd** 1980 May;176(5):758–63 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Homogeneously staining region in a retinoblastoma cell line: relevance to tumor initiation and progression. Gilbert F, et al. **JNCI** 1981 Aug;67(2):301–6

Role of the microtrabecular lattice in axoplasmic transport. Stearns ME. **Vision Res** 1981;21(1):71–81

[Subcutaneous transplantation of retinoblastoma into athymic nude mice (author's transl)] Kaneko A, et al. **Nippon Ganka Gakkai Zasshi** 1980 Aug;84(8):764–70 (Eng. Abstr.) **(Jpn)**

[The morphological changes of the retinal pigment epithelial cells and the wandering cells in retinoblastoma (author's transl)] Oishi T. **Nippon Ganka Gakkai Zasshi** 1980 Aug; 84(8):756–63 (Eng. Abstr.) **(Jpn)**

[Transplantion of retinoblastoma into the nude mouse. I. Light and electron microscopic findings (author's transl)] Totsuka S, et al. **Nippon Ganka Gakkai Zasshi** 1980 Jul 10;84(7):631–47 (Eng. Abstr.) **(Jpn)**

RETINOIC ACID see **TRETINOIN**

RETINOL BINDING PROTEINS

Crystallization of and preliminary X-ray data for an intracellular vitamin A–binding protein from rat liver. Newcomer ME, et al. **J Biol Chem** 1981 Aug 10; 256(15):8162–3

On the stoichiometry of the interaction between prealbumin and retinol-binding protein. Trägårdh L, et al. **J Biol Chem** 1980 Oct 10;255(19):9243–8

ANALYSIS

Vitamin A transport complex during treatment with an oral aromatic retinoid (RO 10-9359). Lauharanta J. **Acta Derm Venereol (Stockh)** 1981;61(3):264–7

Depressed plasma Vitamin A and retinol-binding protein in cystic fibrosis correlations with zinc deficiency [letter] Navarro J, et al. **Am J Clin Nutr** 1981 Jul;34(7):1439–40

Immunochemical studies on cellular vitamin A–binding proteins. Ong DE, et al. **Ann NY Acad Sci** 1981 Feb 27; 359:415–7

Retinol-binding protein in rheumatoid arthritis [letter] Todesco S, et al. **Arthritis Rheum** 1981 Jan;24(1):105–6

Autoradiographic localization of serum retinol-binding protein receptors on the pigment epithelium of dystrophic rat retinas. Bok D, et al. **Invest Ophthalmol Vis Sci** 1980 Dec;19(12):1405–14

Plasma vitamin A and retinol-binding protein in premature and term neonates. Shenai JP, et al. **J Pediatr** 1981 Aug; 99(2):302–5

[Serum retinol-binding protein (RBP) and the evaluation of vitamin A nutritional status] Wang XS. **Sheng Li Ko Hsueh Chin Chan** 1980 Mar;11(3):220–6 **(Chi)**

[Localization of retinol-binding protein (RBP) in ocular tissues. Investigation by means of enzyme antibody and radioautographic techniques (author's transl)] Asahara N. **Nippon Ganka Gakkai Zasshi** 1980 Aug;84(8):673–90 (Eng. Abstr.) **(Jpn)**

BLOOD

Pityriasis rubra pilaris and and retinol-binding protein. Finzi AF, et al. **Br J Dermatol** 1981 Mar;104(3):253–6

The early changes in retinol-binding protein and prealbumin concentrations in plasma of protein-energy malnourished children after treatment with retinol and an improved diet. Large S, et al. **Br J Nutr** 1980 May;43(3):393–402

GENETICS

Biosynthesis of plasma retinol-binding protein in liver as a larger molecular weight precursor. Soprano DR, et al. **J Biol Chem** 1981 Aug 25;256(16):8256–8

ISOLATION & PURIFICATION

Purification and properties of retinol- and retinoic acid–binding proteins from a transplantable mouse colon tumor. Sani BP, et al. **Biochim Biophys Acta** 1980 Jul 24; 624(1):226–36

Isolation of binding proteins for retinol from cytosol, nucleosol & chromatin of rat testes. Shinde R, et al. **Indian J Biochem Biophys** 1980 Apr;17(2):135–8

METABOLISM

Liver cells in culture: a model for investigating the regulation of retinol-binding protein metabolism. Borek C, et al. **Ann NY Acad Sci** 1980;349:221–7

Retinoid-binding proteins of retina and retinoblastoma cells in culture. Chader GJ, et al. **Ann NY Acad Sci** 1981 Feb 27;359:115–33

Retinoid-binding proteins in plasma and in cells. Goodman DS. **Ann NY Acad Sci** 1981 Feb 27;359:69–78

Binding of retinoids to human fibroblast cell lines and their effects on cell growth. Lacroix A, et al. **Ann NY Acad Sci** 1981 Feb 27;359:405–6

A novel cellular retinoid-binding protein, F-type, in hepatocellular carcinoma. Muto Y, et al. **Ann NY Acad Sci** 1981 Feb 27;359:91–103

Structural and functional studies of vitamin A–binding proteins. Rask L, et al. **Ann NY Acad Sci** 1981 Feb 27; 359:79–90

Retinoid-binding proteins of bovine retina: immunological properties. Saari JC, et al. **Ann NY Acad Sci** 1981 Feb 27;359:104–14

Retinol-binding protein metabolism in liver cells in vivo and in vitro. Smith JE, et al. **Ann NY Acad Sci** 1981 Feb 27; 359:171–80

Retinol transfer from rat liver cytosol retinyl ester lipoprotein complex to serum retinol-binding protein. Chen CC, et al. **Arch Biochem Biophys** 1981 Apr 1;207(2):392–8

Cellular retinol binding protein during postanal development of the rat small intestine. Kylberg HK, et al. **Biol Neonate** 1981;39(1–2):100–4

Changes in plasma concentrations of thyroxine binding prealbumin and retinol binding protein in Japanese quail after hatching. Heaf DJ, et al. **Br J Nutr** 1980 Nov; 44(3):287–93

Effect of intramuscular vitamin A injection on plasma levels of vitamin A and retinol-binding protein in malnourished children. Reddy V, et al. **Br J Nutr** 1981 Mar;45(2):229–32

Sex difference in cellular retinol- and retinoic acid–binding proteins in human colon adenocarcinomas. Palan PR, et al. **Cancer Lett** 1980 Dec;11(2):97–101

Cellular binding proteins for vitamin A in human carcinomas and in normal tissues. Palan PR, et al. **Cancer Res** 1980 Nov;40(11):4221–4

Regulation of retinol-binding protein metabolism by glucocorticoid hormones in cultured H4II EC3 liver cells. Borek C, et al. **Endocrinology** 1981 Aug;109(2):386–91

Autoradiographic localization of serum retinol-binding protein in rat testis. McGuire BW, et al. **Endocrinology** 1981 Feb;108(2):658–67

Specific binding of fluorescein labelled serum retinol-binding protein to its cell surface receptor in isolated, purified bovine pigment epithelial cells. Jones PG, et al. **Exp Eye Res** 1980 May;30(5):489–99

Uptake of retinol, retinol-binding protein and thyroxine-binding prealbumin by egg yolk of Japanese quail. Heaf DJ, et al. **Int J Biochem** 1980;12(3):439–43

Comparison of cytosol retinol binding proteins from bovine retina, dog liver, and rat liver. Liou GI, et al. **J Biol Chem** 1981 Apr 10;256(7):3153–5

Retinol binding protein in rat testicular cells. Huggenvik J, et al. **J Reprod Fertil** 1981 Mar;61(2):403–8

The retinol-binding protein. Rask L, et al. **Scand J Clin Lab Invest** 1980;40 Suppl 154:45–61 (110 ref.)

PHARMACODYNAMICS

Vitamin A receptor in cancers and in vitro-transformed epithelial cells of the rat urinary bladder: its implication in the preventive effect of vitamin A on in vitro keratinization. Kawamura H, et al. **Gan** 1980 Aug; 71(4):507–13

SECRETION

Serum retinol binding protein secretion through microtubules in chicks. Chaudhary VK, et al. **Int J Vitam Nutr Res** 1980; 50(4):422–3

Progesterone-induced secretion of a retinol-binding protein in the pig uterus. Adams KL, et al. **J Reprod Fertil** 1981 May;62(1):39–47

URINE

Retinol-binding protein and beta 2-microglobulin in urine of cadmium-fed rhesus monkeys. Nomiyama K, et al. **Arch Environ Contam Toxicol** 1981;10(3):297–304

RETIREMENT

Retirement of anaesthetists. Attitudes in Yorkshire. Smith WD. **Anaesthesia** 1980 Aug;35(8):790–803

The effects of retirement. Brooke N. **Aust Fam Physician** 1980 Aug;9(8):576–8

The retired surgeon [letter] Luke JC. **Can J Surg** 1980 Sep; 23(5):418–9, 435

Protocol for a study of nutritional factors and the low risk of colon cancer in Southern retirement areas. Ziegler RG, et al. **Cancer Res** 1981 Sep;41 Pt 2(9):3724–6

The relation of lung function to subsequent employment status and mortality in cotton textile workers. Beck GJ, et al. **Chest** 1981 Apr;79(4 Suppl):26S–30S

The retired patient: boredom, fears, and suicide. Strahan C Jr. **Del Med J** 1980 Sep;52(9):497–501

The work-satisfaction, retirement-attitude typology: profile examination. Goudy WJ, et al. **Exp Aging Res** 1975 Nov; 1(2):267–79

Retirement policy and promotional prospects. Cantrell RS, et al. **Gerontologist** 1980 Oct;20(5 Pt 1):575–80

Recent extension of retirement age in Japan. Kii T. **Gerontologist** 1979 Oct;19(5 Pt 1):481–6

Aging and social policy: the role of the first forum. Kreps JM. **Gerontologist** 1979 Aug;19(4):340–3

The impact of retirement migration of the South. Longino CF Jr, et al. **Gerontologist** 1981 Jun;21(3):283–90

Preferred supportive services for middle to higher income retirement housing. Regnier V, et al. **Gerontologist** 1981 Feb;21(1):54–8

Retirees' perceptions of work and leisure meanings. Weiner AI, et al. **Gerontologist** 1981 Aug;21(4):444–6

The adjustment of the older woman: effects of chronic ill health and attitudes toward retirement. Levy SM. **Int J Aging Hum Dev** 1980;12(2):93–110

Attitudes toward work and retirement in Sweden: a multigroup, multivariate analysis. Skoglund J. **Int J Aging Hum Dev** 1980;11(2):147–62

Retirement style and retirement satisfaction: retirees aren't all alike. Walker JW, et al. **Int J Aging Hum Dev** 1981; 12(4):267–81

Early retirement in an international perspective. Olson-Frick H. **Int J Rehabil Res** 1980;3(2):215–23

When should you start planning for retirement? Creasey LL. **J Am Optom Assoc** 1981 Feb;52(2):111–3

Social Security: what am i paying for? Driver WJ. **J Am Optom Assoc** 1981 Feb;52(2):107–9

Who me? Retire – when? Ewalt HW. **J Am Optom Assoc** 1981 Feb;52(2):139–40

I tried retirement and i failed. Lincoff ML. **J Am Optom Assoc** 1981 Feb;52(2):133

After retirement – a second career. Rosemore F. **J Am Optom Assoc** 1981 Feb;52(2):131–2

Insurance planning. Scholles JR. **J Am Optom Assoc** 1981 Feb;52(2):119–21

Concurrent change in planned and preferred age for retirement. Ekerdt DJ, et al. **J Gerontol** 1980 Mar; 35(2):232–40

The impact of preretirement programs on the retirement experience. Glamser FD. **J Gerontol** 1981 Mar;36(2):244–50

Changes in attitudes toward retirement: evidence from a panel study of older males. Goudy WJ, et al. **J Gerontol** 1980 Nov;35(6):942–8

Research on the health effects of retirement: an uncertain legacy. Minkler M. **J Health Soc Behav** 1981 Jun; 22(2):117–30

Corporate retirement plans for 1980. Beck LC, et al. **J Indiana State Med Assoc** 1980 Dec;73(12):786–7

Retirement plans available to medical practices. Ott LL. **J Med Assoc Ga** 1980 Oct;69(10):855–6

The natural history of retirement. Mainly good news. Portnoi VA. **JAMA** 1981 May 1;245(17):1752–4

Till retirement does them part? Catchpole BN. **Lancet** 1981 Sep 5;2(8245):518–9

Plan your retirement now. Bonné J. **NY State Dent J** 1980 Nov;46(9):582–3

Planning for distributions from retirement plans. Beck LC, et al. **Pa Med** 1981 Mar;84(3):33–4

Phasing down your obligations as retirement approaches. Beck LC, et al. **Pa Med** 1981 May;84(5):49–51

Estate planning for the senior physician. Beck LC, et al. **Pa Med** 1981 Jul;84(7):35–6

An activation programme for the elderly; base-line characteristics and preliminary evaluation of the programme. Kallio V, et al. **Scand J Soc Med [Suppl]** 1977; Suppl 14:205–20

Living habits, health status and social contacts among 66–70 year-old persons in Jyväskylä. A longitudinal study. Pohjolainen P, et al. **Scand J Soc Med [Suppl]** 1977;Suppl 14:189–95

Retirement patterns for self-employed workers. **Soc Secur Bull** 1980 Oct;43(10):24–5,47

Mandatory retirement and labor-force participation of respondents in the Retirement History Study. Barker DT, et al. **Soc Secur Bull** 1980 Nov;43(11):20–9, 55

Allocation of time and resources by married couples approaching retirement. Clark RL, et al. **Soc Secur Bull** 1980 Apr;43(4):3–16

Assets of the elderly as they retire. Friedman J, et al. **Soc Secur Bull** 1981 Jan;44(1):16–31

A general model of labor-market behavior of older persons. Honig M, et al. **Soc Secur Bull** 1980 Apr;43(4):29–39

Federal civil service adult survivor annuitants and Social Security, December 1975. Price DN. **Soc Secur Bull** 1981 Aug;44(8):3–14

Labor-force participation patterns of older self-employed workers. Quinn JF. **Soc Secur Bull** 1980 Apr;43(4):17–28

Aged widows and OASDI: age at and economic status before and after receipt of benefits. Rogers GT. **Soc Secur Bull** 1981 Mar;44(3):3–19

European attitudes toward retirement. Wartonick D. **Soc Secur Bull** 1980 Jun;43(6):26–8

Some considerations in the closing of a physician's practice. **Wis Med J** 1981 Jun;81(6):48–9

[Preparation for an active old age] Sipr K. **Cesk Zdrav** 1981 Jul;29(7):300–4 (Eng. Abstr.) **(Cze)**

[Work disability as a form of early retirement] Herweyer M. **Gerontologie** 1981 May;12(2):91–103 **(Dut)**

[Determinants of the decision to retire. A contribution to the discussion on the 'flexible retirement age limit' (author's transl)] Friedmann P, et al. **Aktuel Gerontol** 1980 Sep; 10(9):413–7 (Eng. Abstr.) **(Ger)**

[The relation between work activity and retirement plans] Abraham E, et al. **Soz Praeventivmed** 1980 Dec;25(6):365–9 (Eng. Abstr.) **(Ger)**

[Income situation in the transition from work to retirement] Göbel D. **Z Gerontol** 1980 May–Jun;13(3):275–90 (Eng. Abstr.) **(Ger)**

[Mental health aspects of programs of preparation for active old age in socialist enterprises] Eitner A. **Z Gesamte Inn Med** 1981 Mar;36(5):149–51 (Eng. Abstr.) **(Ger)**

[Youth and old age (author's transl)] Eitner A. **ZFA (Dresden)** 1979;34(5):385–91 (Eng. Abstr.) **(Ger)**

[Theoretical basis for preparation for an active old age (author's transl)] Eitner S, et al. **ZFA (Dresden)** 1980; 35(1):21–6 (Eng. Abstr.) **(Ger)**

[Sociological aspects of preparations for retirement as well as the spare time behaviour of pensioners (author's transl)] Satschuk NN, et al. **ZFA (Dresden)** 1980;34(6):549–55 (Eng. Abstr.) **(Ger)**

[Factor analysis in studying the problems of social medical care for retirees] Korol'kova TA, et al. **Sov Zdravookhr** 1981;(5):37–41 **(Rus)**

[Social hygiene characteristics of old-age pensioners living in Tbilisi] Pitskhelauri GZ, et al. **Sov Zdravookhr** 1980; (10):26–9 (Eng. Abstr.) **(Rus)**

[Morbidity among retirees working in medical institutions] Malakhov ES. **Vrach Delo** 1980 Sep;(9):117–9 **(Rus)**

[Preparation for the retirement age in Norway] Bruusgaard A. **Nord Med** 1981 Apr;96(4):108–9 **(Swe)**

RETIREMENT BENEFITS see **PENSIONS**

RETROGNATHISM

REHABILITATION

[Assessment of the value of exercises to rehabilitate masticatory function] Dyras M. **Czas Stomatol** 1980 Jun; 33(6):545–8 (Eng. Abstr.) **(Pol)**

SURGERY

Surgical treatment of sleep-apnea-associated psychosis. Martin PR, et al. **Can Med Assoc J** 1981 Apr 15; 124(8):978–80

Control of the proximal segment by lower border wiring in the sagittal split osteotomy. Booth DF. **J Maxillofac Surg** 1981 May;9(2):126–8

Chin advancement as an aid in correction of deformities of the mental and submental regions. Wolfe SA. **Plast Reconstr Surg** 1981 May;67(5):624–9

[Surgical correction of dysgnathism] Roorda LA, et al. **Ned Tijdschr Geneeskd** 1981 May 9;125(19):737–41 (Eng. Abstr.) **(Dut)**

[Aspects of surgical correction of jaw abnormalities] Tuinzing DB, et al. **Ned Tijdschr Geneeskd** 1981 Apr 11; 125(15):589–92 **(Dut)**

[Use of a modified Dal Ponto method in surgical treatment of retrognathism] Cwioro F, et al. **Pol Przegl Chir** 1980 Aug;52(8):711–7 (Eng. Abstr.) **(Pol)**

RETROGRADE DEGENERATION see under **NERVE DEGENERATION**

RETROGRADE OBTURATION

STANDARDS

[Clinical experience with Cavit in retrograde root canal filling] Modla Z, et al. **Fogorv Sz** 1981 Jan;74(1):1–4 (Eng. Abstr.) **(Hun)**

RETROLENTAL FIBROPLASIA

Retinopathy of prematurity/idiopathic fibroplasia [letter] Duc B. **J Pediatr** 1981 Apr;98(4):662

Retrolental fibroplasia today. Stark DJ, et al. **Med J Aust** 1981 Mar 21;1(6):275–80 (25 ref.)

Retrolental fibroplasia [letter] Pakter J. **NY State J Med** 1981 May;81(6):989

COMPLICATIONS

Retinal detachment in retrolental fibroplasia. Starzycka M, et al. **Ophthalmologica** 1980;181(5):261–5

Late complications of retrolental fibroplasia. Tasman W. **Ophthalmology (Rochester)** 1979 Oct;86(10):1724–40

[Additional findings in children with retrolental fibroplasia] Sváčová H, et al. **Cesk Oftalmol** 1980 Sep;36(5):329–34 (Eng. Abstr.) **(Slo)**

DIAGNOSIS

Symposium on retrolental fibroplasia. **Ophthalmology (Rochester)** 1979 Oct;86(10):1685–763

Fluorescein angiography in retrolental fibroplasia: experience from 1969–1977. Flynn JT, et al. **Ophthalmology (Rochester)** 1979 Oct;86(10):1700–23

Examination of the premature infant. Kalina RE. **Ophthalmology (Rochester)** 1979 Oct;86(10):1690–4

Optimal timing of examination for acute retrolental fibroplasia. Palmer EA. **Ophthalmology (Rochester)** 1981 Jul;88(7):662–8

DRUG THERAPY

A classification of retrolental fibroplasia to evaluate vitamin E therapy. Schaffer DB, et al. **Ophthalmology (Rochester)** 1979 Oct;86(10):1749–60

ETIOLOGY

Mechanical ventilation [letter] Fowler L. **Am J Nurs** 1981 Apr;81(4):707–10

Peripheral proliferative retinopathy without oxygen therapy in a full-term infant. Schulman J, et al. **Am J Ophthalmol** 1980 Oct;90(4):509–14

Factors influencing development of retrolental fibroplasia [letter] McGoldrick KE. **Anesth Analg (Cleve)** 1981 Jul; 60(7):539–40

Retrolental fibroplasia: a multifactorial disease. Merritt JC, et al. **Anesth Analg (Cleve)** 1981 Feb;60(2):109–11

The defense of retrolental fibroplasia (RLF). Pritikin RI. **Med Trial Tech Q** 1980 Winter–Spring;27:142–61

O2, retrolental fibroplasia dogma questioned [letter] Sweet AY. **Pediatrics** 1981 Jan;67(1):160–2

Retrolental fibroplasia (retinopathy of prematurity). Patz A. **Trans Ophthalmol Soc NZ** 1980;32:49–54

[Is oxygen administration the cause of retinopathy in premature newborns?] Beran I, et al. **Cesk Pediatr** 1981 Feb;36(2):89–91 (Eng. Abstr.) **(Cze)**

HISTORY

On presentation of the Friedenwald Memorial Award in Ophthalmology to Arnall Patz. Silverstein AM. **Invest Ophthalmol Vis Sci** 1980 Oct;19(10):1121–9

Medical inflation. Silverman WA. **Perspect Biol Med** 1980 Summer;23(4):617–37

OCCURRENCE

Retinopathy of prematurity: an estimate of vision loss in the United States—1979. Phelps DL. **Pediatrics** 1981 Jun; 67(6):924–5

[Retrolental fibroplasia in Norway. A review of its occurrence] Finne PH, et al. **Tidsskr Nor Laegeforen** 1981 Jan 30;101(3):193–6 (Eng. Abstr.) **(Nor)**

PATHOLOGY

Retrolental fibroplasia and the retinal vasculature [letter] Cole G. **Am J Ophthalmol** 1980 Sep;90(3):435–6

The pathogenesis of retrolental fibroplasia. Ashton N. **Ophthalmology (Rochester)** 1979 Oct;86(10):1695–9

Vascular tufts in retrolental fibroplasia. Garoon I, et al. **Ophthalmology (Rochester)** 1980 Nov;87(11):1128–32

[Pathological and histotopochemical investigations in retinopathy of premature babies (author's transl)] Tost M. **Klin Oczna** 1980 Aug;82(8):407–10 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Retinopathy of prematurity/idiopathic fibroplasia [letter] **Pediatrics** 1981 May;67(5):751–2

PREVENTION & CONTROL

Experimental data on the prevention of retrolental fibroplasia by D-penicillamine. Karmazsin L, et al. **Acta Paediatr Acad Sci Hung** 1980;21(2–3):131–8

Retrolental fibroplasia: a new look at an unsolved problem. Johnson L. **Hosp Pract** 1981 May;16(5):109–15, 118–20, 121

Observations of vitamin E in experimental oxygen-induced retinopathy. Phelps DL, et al. **Ophthalmology (Rochester)** 1979 Oct;86(10):1741–8

[Retrolental fibroplasia—a preventable disease? (author's transl)] Wille L. **Klin Padiatr** 1981 Jul;193(4):296–300 (44 ref.) (Eng. Abstr.) **(Ger)**

SURGERY

Treatment of acute retrolental fibroplasia by cryopexy. Ben-Sira I, et al. **Br J Ophthalmol** 1980 Oct;64(10):758–62

Combined cryosurgery and scleral buckling in acute proliferative retrolental fibroplasia. Bert MD, et al. **J Pediatr Ophthalmol Strabismus** 1981 May–Jun;18(3):9–12

THERAPY

[A case of retrolental fibroplasia treated with iontophoresis (author's transl)] Kotania W, et al. **Klin Oczna** 1980 Aug; 82(8):429–30 (Eng. Abstr.) **(Pol)**

RETROPERITONEAL FIBROSIS

BLOOD

Retroperitoneal fibroses—an association with hyperuricaemia. Cullen TH. **Br J Surg** 1981 Mar; 68(3):199–200

CHEMICALLY INDUCED

Propranolol and retroperitoneal fibrosis [letter] Pierce JR Jr, et al. **Ann Intern Med** 1981 Aug;95(2):244

Retroperitoneal fibrosis associated with atenolol. **Br Med J** 1980 Jul 26;281(6235):311

Retroperitoneal fibrosis associated with atenolol [letter] Bullimore DW. **Br Med J** 1980 Jul 5;281(6232):59–60

Retroperitoneal fibrosis associated with atenolol [letter] Bullimore DW. **Br Med J** 1980 Aug 23;281(6239):564

Oxprenolol and retroperitoneal fibrosis. McClusky DR, et al. **Br Med J** 1980 Nov 29;281(6253):1459–60

COMPLICATIONS

Abdominal aortic aneurysm in combination with retroperitoneal fibrosis. Lorentzen JE, et al. **Acta Chir Scand [Suppl]** 1980;502:94–7

Multifocal idiopathic fibrosclerosis. Two cases with simultaneous occurrence of retroperitoneal fibrosis and Riedel's thyroiditis. Nielson HK. **Acta Med Scand** 1980; 208(1–2):119–23

Pseudotumor of the orbit and retroperitoneal fibrosis. A form of multifocal fibrosclerosis. Richards AB, et al. **Arch Ophthalmol** 1980 Sep;98(9):1617–20

Portal hypertension as a complication of idiopathic retroperitoneal fibrosis. Mosimann F, et al. **Br J Surg** 1980 Nov;67(11):804

Microsurgical urology: a silicone cover to protect the ureter from induced retroperitoneal fibrosis in rats. Wagenknecht LV, et al. **J Microsurg** 1981 Mar;2(3):183–8

Fallopian tube carcinoma associated with retroperitoneal fibrosis. Anderson KA, et al. **J Urol** 1981 Jan;125(1):119–21

Idiopathic retroperitoneal fibrosis [letter] Appell RA. **J Urol** 1980 Sep;124(3):433

Renal autotransplantation for retroperitoneal fibrosis. Palleschi J, et al. **J Urol** 1981 Mar;125(3):408–11

Retroperitoneal fibrosis and scleroderma. Mansell MA, et al. **Postgrad Med J** 1980 Oct;56(660):730–3

Retroperitoneal fibrosis involving the duodenum. Violon D, et al. **ROEFO** 1981 Jan;134(1):93–4

Ureteric displacement into a silicone cover as protection from an induced retroperitoneal fibrosis: a preliminary report of experiments in rats. Wagenknecht LV, et al. **Urol Res** 1981;9(4):181–5

Retroperitoneal fibrosis as a cause of fever of undetermined origin. Byrd WE, et al. **West J Med** 1981 Apr;134(4):357–61

[Retroperitoneal fibrosis in Boeck's disease] Stegemann B, et al. **Med Welt** 1980 Jul 4;31(27):1026–8 **(Ger)**

[Malignant retroperitoneal fibrosis due to metastasizing non-urologic tumors as a cause of hydronephrosis] Oesterwitz H, et al. **Z Urol Nephrol** 1981 May;74(5):355–61 **(Ger)**

DIAGNOSIS

Retroperitoneal fibrosis [editorial] Kinder CH. **J R Soc Med** 1979 Jul;72(7):485–7

Retroperitoneal fibrosis: report of case and review of literature. Litterer WE, et al. **JAOA** 1980 Oct;80(2):116–21

[Differential diagnostic difficulties in Ormond's disease] Guja A. **Wiad Lek** 1980 Oct 1;33(19):1573–5 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Idiopathic retroperitoneal fibrosis [editorial] **Br Med J [Clin Res]** 1981 Apr 25;282(6273):1343

Bilateral ureteral obstruction following aortic bypass surgery. Rastogi SP, et al. **Clin Nephrol** 1980 Nov;14(5):250–5

Retroperitoneal fibrosis and polyarteritis nodosa [letter] Lendrum AC. **J R Soc Med** 1980 May;73(5):393

Breast cancer and retroperitoneal metastasis. Carloss H, et al. **South Med J** 1980 Dec;73(12):1570–1

Retroperitoneal fibrosis due to starch granuloma. Chenoweth CV. **Urology** 1981 Feb;17(2):157–9

Retroperitoneal barytoma. Vandendris M, et al. **Urology** 1981 Apr;17(4):358–9

[Retroperitoneal fibrosis and abdominal lymph node tuberculosis. Etiopathogenic discussion] Barrier J, et al. **Rev Med Interne** 1981;2(1):69–71 **(Fre)**

[Retroperitoneal fibrosis: Ormond's disease] Mazo EB, et al. **Urol Nefrol (Mosk)** 1980 Sep–Oct;(5):65–71 (148 ref.) **(Rus)**

IMMUNOLOGY

Lymphomatoid granulomatosis: association with retroperitoneal fibrosis and evidence of impaired cell-mediated immunity. Hammar SP, et al. **Am Rev Respir Dis** 1977 Jun;115(6):1045–50

Association of retroperitoneal fibrosis and interstitial nephritis. Kirschbaum BB, et al. **Arch Intern Med** 1981 Sep;141(10):1361–3

Idiopathic retroperitoneal fibrosis and HLA-B27 [letter]

Fernandez-Herlihy L. **J Urol** 1980 Nov;124(5):752

RADIOGRAPHY

Pitfalls to avoid: psoas hypertrophy mimicking retroperitoneal fibrosis. McLoughlin MJ. **J Can Assoc Radiol** 1981 Mar;32(1):56–7

Computerized tomography in the diagnosis of retroperitoneal fibrosis. Feinstein RS, et al. **J Urol** 1981 Aug;126(2):255–9

Retroperitoneal fibrosis a case report. Tung KH, et al. **Singapore Med J** 1981 Apr;22(2):89–91

[Gastrointestinal changes in retroperitoneal fibrosis (Ormond's disease)] Montgomery FU, et al. **ROEFO** 1981 Apr;134(4):456–7 **(Ger)**

RADIONUCLIDE IMAGING

Bone scintigraphy: retroperitoneal fibrosis. Sty JR, et al. **Wis Med J** 1980 Oct;79(10):27–8

SURGERY

Surgical management of idiopathic retroperitoneal fibrosis. Osborn DE, et al. **Br J Urol** 1981 Aug;53(4):292–6

Idiopathic retroperitoneal fibrosis [letter] **Br Med J [Clin Res]** 1981 Jun 6;282(6279):1873

[Use of the great epiploon in the treatment of idiopathic retroperitoneal fibrosis] Tramoyeres Celma A, et al. **Arch Esp Urol** 1980 Sep–Oct;33(5):461–78 (Eng. Abstr.) **(Spa)**

THERAPY

Retroperitoneal fibrosis: practical problems in management. Abercrombie GF, et al. **Br J Urol** 1980 Dec;52(6):443–5

Value of various treatments for retroperitoneal fibrosis. Wagenknecht LV, et al. **Eur Urol** 1981;7(4):193–200

Retroperitoneal fibrosis and polyarteritis nodosa successfully treated by intensive immunosuppression. Hollingworth P, et al. **J R Soc Med** 1980 Jan;73(1):61–4

RETROPERITONEAL NEOPLASMS

Tumors of the retroperitoneum. Felix EL, et al. **Curr Probl Cancer** 1981 Jul;6(1):1–47 (63 ref.)

BLOOD

Leukaemoid reaction and eosinophilia in 'inflammatory fibrous histiocytoma'. Vilanova JR, et al. **Virchows Arch [Pathol Anat]** 1980;388(2):237–43

BLOOD SUPPLY

[Significance of parasitic blood supply in malignant retroperitoneal tumours (author's transl)] Andresen JH. **Urologe [Ausg A]** 1981 Jan;20(1):38–41 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Soft tissue sarcomas, phenoxy herbicides, and chlorinated phenols [letter] Moses M, et al. **Lancet** 1981 Jun 20; 1(8234):1370

COMPLICATIONS

Functionless non-chromaffin retroperitoneal paraganglioma causing cauda equina compression. Ciappetta P, et al. **Acta Neurochir (Wien)** 1980;53(3–4):181–6

Extensive infantile retroperitoneal haemangioma causing severe retroperitoneal and gastrointestinal bleeding associated with haemangioma of the thigh. A syndrome? Shahar E, et al. **Aust Paediatr J** 1980 Jun;16(2):119–22

Latent pulmonary embolus from a retroperitoneal sarcoma. Arbeit JM, et al. **Cancer** 1980 Sep 15;46(6):1492–8

Multiple myeloma complicated by myelomatous obstructive uropathy. Talreja D, et al. **Cancer** 1980 Oct 15;46(8):1893–5

Erosive lichen planus and fibroxanthosarcoma (malignant fibrohistiocytoma): coincidence or association? Goihman-Yahr M, et al. **Cutis** 1980 Nov;26(5):506–8, 515–6

Tuberculosis in a retroperitoneal haemangiopericytoma. Lucas SB. **East Afr Med J** 1981 Jan;58(1):72–4

Angiomatous lymphoid hamartoma: inhibitory effects on erythropoiesis, growth, and primary hemostasis. Buchanan GR, et al. **J Pediatr** 1981 Sep;99(3):382–8

Retroperitoneal lymphangiomyomatosis with lymphedema of the legs. Abe R, et al. **Lymphology** 1980 Jun;13(2):62–7

Hypoglycemia associated with aberrant insulinoma: a case report of 16 years follow-up. Yoshikawa K, et al. **Tohoku J Exp Med** 1980 Sep;132(1):17–29

[Retroperitoneal lymphoma complicated by neurogenic bladder] Ribeiro C, et al. **Rev Paul Med** 1980 May–Jun; 95(5–6):110–2 (Eng. Abstr.) **(Por)**

DIAGNOSIS

Retroperitoneal angiomatous hamartoma. Gupta S, et al. **Ann Chir Gynaecol** 1980;69(4):154–6

Retroperitoneal sarcoma: ultrasonographic and angiographic evaluation. Karp W, et al. **Br J Radiol** 1980 Jun; 53(630):525–31

Sonographic detection of fibromatosis: a rare tumor in the retroperitoneum. Rogers KJ, et al. **Clin Pediatr (Phila)** 1981 Sep;20(9):595–8

Accessory spleen presenting as a retroperitoneal tumour. Rosenthal CL, et al. **Eur Urol** 1981;7(5):314–6

Case report: ultrasonic and angiographic demonstration of a displaced renal by metastatic deposits. Bellina PV Jr, et al. **J La State Med Soc** 1980 Sep;132(9):138–9

retroperitoneum [letter] Pritchard J, et al. **N Engl J Med** 1981 Jul 30;305(5):285–6

Primary sarcoma of the retroperitoneum. Fortner JG, et al. **Semin Oncol** 1981 Jun;8(2):180–4

[Case of retroperitoneal fibrosarcoma manifesting with a clinical picture of periappendicular infiltrate] Deredzhian A, et al. **Khirurgiia (Sofiia)** 1980;33(5):441–3 **(Bul)**

[Retroperitoneal diseases presenting as neoplasms in children] Kabelka M, et al. **Rozhl Chir** 1980 Sep;59(9):602–7 (Eng. Abstr.) **(Cze)**

[Choriocarcinoma: an exceptional tumor] Steffelaar JW. **Ned Tijdschr Geneeskd** 1981 May 2;125(18):689–94 **(Dut)**

[Ultrasonography before surgical operation of retroperitoneal malignant tumors in childhood (author's transl)] Ferran JL, et al. **Chir Pediatr** 1981;22(4):273–8 (Eng. Abstr.) **(Fre)**

[Malignant mesenchymoma. A case report (author's transl)] Firouz-Abadi MH, et al. **J Chir (Paris)** 1980 Nov; 117(11):639–42 (Eng. Abstr.) **(Fre)**

[Retroperitoneal lipomas and liposarcomas. Apropos of 5 cases] Rouffet F, et al. **Med Chir Dig** 1980;9(6):485–8 **(Fre)**

[Adult primary germ cell tumours outside the testes (author's transl)] Ben Ayed F, et al. **Nouv Presse Med** 1981 Apr 18;10(17):1389–91 (Eng. Abstr.) **(Fre)**

[Differential sonographic diagnosis of retroperitoneal tumors] Ponhold W, et al. **Radiologe** 1980 Apr;20(4):181–7 (Eng. Abstr.) **(Ger)**

[Malignant fibrous histiocytoma – case report for differential diagnosis of ovarian tumour (author's transl)] Neeb U. **Zentralbl Gynaekol** 1981;103(5):267–70 (Eng. Abstr.) **(Ger)**

[Retroperitoneal tumors in children: clinical diagnostic problems (author's transl)] Torrisi S, et al. **Chir Ital** 1979 Aug;31(4):579–87 (Eng. Abstr.) **(Ita)**

[Case of mesenchymoma of the retroperitoneal space] Misiewicz A, et al. **Wiad Lek** 1981 Feb 1;34(3):227–9 (Eng. Abstr.) **(Pol)**

[Retroperitoneal neoplasms in children] Kushch NL, et al. **Khirurgiia (Mosk)** 1981 Apr;(4):82–7 (Eng. Abstr.) **(Rus)**

[Appendiceal cyst simulating a retroperitoneal tumor] Dmitrievskiĭ VN. **Vestn Khir** 1981 Feb;126(2):83–4 **(Rus)**

[Supernumerary (a 3rd) kidney simulating a tumor of the retroperitoneal space] Tsarev NI, et al. **Vestn Khir** 1980 Sep;125(9):50–1 **(Rus)**

[Non-organ retroperitoneal neoplasm] Kuriĭ MF, et al. **Vrach Delo** 1980 Aug;(8):31–3 **(Rus)**

[Value of echography in the diagnosis of primary retroperitoneal tumors] Medvedev VE, et al. **Vrach Delo** 1981;(6):72–4 **(Rus)**

[Diagnostic and therapeutic problems in a pheochromocytoma in an unusual location and a malignant tumor of the carotid sinus] Petrinec Z. **Acta Chir Iugosl** 1980;27 Suppl 1:475–82 (Eng. Abstr.) **(Scr)**

[Ultrasound in diagnosis of expansive processes of kidneys and retroperitoneum (author's transl)] Palaščák P, et al. **Bratisl Lek Listy** 1981 Aug;76(2):199–211 (Eng. Abstr.) **(Slo)**

[Polymyalgia arteritica – a sign of associated malignant disease?] Henning R, et al. **Lakartidningen** 1981; 78(18):1892–3 (Eng. Abstr.) **(Swe)**

DRUG THERAPY

Chemotherapy for primary retroperitoneal yolk sac tumor: report of a case. Hong WK, et al. **Cancer** 1981 Jan 1; 47(1):19–21

[Sequential combination chemotherapy with vinblastine/bleomycin and adriamycin/cis-dichlorodiammineplatinum (II) in non-seminomatous testicular cancer. II. Long-term results of a study with 140 patients with retroperitoneal disease (stage II) (author's transl)] Scheulen ME, et al. **Klin Wochenschr** 1980 Aug 15;58(16):823–8 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Large lymphoceles resulting from retroperitoneal lymphadenectomy. Livingston WD, et al. **J Urol** 1980 Oct; 124(4):543–6

PATHOLOGY

Neuropathological picture of peripheral autonomic nervous system of alimentary tract in children who died because of neuroblastoma. Jędrzejewska A, et al. **Acta Neuropathol [Suppl] (Berl)** 1981;7:271–2

Extravesical malacoplakia--possibly originated from a superficial part of the renal cortex. Tanaka T, et al. **Acta Pathol Jpn** 1981 Mar;31(2):323–34

Developmentally heterotopic urogenital tissues in a retroperitoneal lipoma with hematopoiesis. Tokumitsu S, et al. **Acta Pathol Jpn** 1981 Mar;31(2):289–97

Retroperitoneal neurofibromatosis and venous anomalies. Reyes JM, et al. **Arch Pathol Lab Med** 1980 Dec; 104(12):646–8

Non-chromaffin, non-functioning retroperitoneal paragangliomas: a report of three additional cases with a review of the literature. Chandrashekar V, et al. **Aust NZ J Surg** 1980 Oct;50(5):527–30

Diffuse histiocytic lymphoma with sclerosis: a clinicopathologic entity frequently causing superior venacaval obstruction. Miller JB, et al. **Cancer** 1981 Feb 15;47(4):748–56

Retroperitoneal neuroblastoma metastatic to brain. Report of a case and review of the literature. Koizumi JH, et al. **Childs Brain** 1980;7(5):267–79

Giant retroperitoneal neurofibroma. Kulkarni SH, et al. **J Indian Med Assoc** 1980 Jul 16;75(2):38

Retroperitoneal malignant mesenchymoma. Pendse AK, et al. **J Indian Med Assoc** 1981 Mar 1;76(5):84–5

Retroperitoneal xanthogranuloma. Silber AL, et al. **J Reprod Med** 1981 Feb;26(2):96–8

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 50–1980. **N Engl J Med** 1980 Dec 18;303(25):1466–72

Collateral venous flow through uterus caused by retroperitoneal extraosseous Ewing sarcoma. Blight EM Jr, et al. **Urology** 1981 Apr;17(4):386–9

Malignant paraganglioma of retroperitoneum. Light, electron microscopic and ultrasonographic study. Damjanov I, et al. **Urology** 1981 Jun;17(6):611–5

[Inflammatory fibrous histiocytoma] Fakan F. **Cesk Patol** 1980 May;16(2):88–92 (Eng. Abstr.) **(Cze)**

[Differentiation of neuroblastoma. Long-term survival with multiple bone metastases] Rechnitzer C, et al. **Ugeskr Laeger** 1980 Nov 3;142(45):2976–7 (Eng. Abstr.) **(Dan)**

[Retroperitoneal malignant xanthogranuloma. Case report (author's transl)] Briffod M, et al. **Arch Anat Cytol Pathol** 1981;29(3):154–60 (Eng. Abstr.) **(Fre)**

[Improvement in transcutaneous needle biopsy technics] Rothenberger K, et al. **Fortschr Med** 1980 Sep 11; 98(34):1283–6 (Eng. Abstr.) **(Ger)**

[Hemangioma of the striated muscles] Steinmann R, et al. **Med Welt** 1981 Jan 23;32(4):123–4 **(Ger)**

[Paravesical neurinoma] Rössler D. **Z Urol Nephrol** 1980 Sep; 73(9):675–9 (Eng. Abstr.) **(Ger)**

[Pluritopic hemangiolymphangioma in a young woman] Duda M, et al. **Zentralbl Chir** 1980;105(14):927–31 **(Ger)**

[Malignant schwannomas in the retroperitoneal space.] Stauber R, et al. **Zentralbl Chir** 1980;105(8):525–8 **(Ger)**

[Retroperitoneal tumors] Colombati M, et al. **Ann Ital Chir** 1980;52(3):267–75 **(Ita)**

[Giant retroperitoneal hemangioma] Myliuev VA. **Khirurgiia (Mosk)** 1980 Oct;(10):104 **(Rus)**

[Teratoma of the retroperitoneal space] Safin IA, et al. **Khirurgiia (Mosk)** 1981 Apr;(4):97–8 **(Rus)**

[Mesothelium of the posterior mediastinum and retroperitoneal space] Pugachev AD, et al. **Vestn Khir** 1981 Apr;126(4):92–3 **(Rus)**

[Leiomyoblastomas] Diego J, et al. **Rev Esp Enferm Apar Dig** 1981 Feb;59(2):213–20 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Cerebellar ataxia, opsoclonus, and occult neural crest tumor. Abdominal computerized tomography in diagnosis. Kinast M, et al. **Am J Dis Child** 1980 Nov;134(11):1057–9

Interest of computed tomography in retroperitoneal masses in childhood. Padovani J, et al. **Ann Radiol (Paris)** 1981 Jan;24(1):18–24 **(Eng, Fre)**

Angiographic feature of inflammatory fibrous histiocytoma. Chudáček Z. **Br J Radiol** 1980 Oct;53(634):1006–7

Computed tomography in liposarcoma. deSantos LA, et al. **Cancer** 1981 Jan 1;47(1):46–54

Retroperitoneal malignant fibrous histiocytoma: the angiographic and computed tomographic features of an unusual tumor. Lenkey JL, et al. **Cardiovasc Intervent Radiol** 1981 Feb;4(1):56–8

Radiological and clinical evaluation of twenty neuroblastomas. Andresen J, et al. **Clin Radiol** 1981 Mar; 32(2):191–8

Mass lesions of the retroperitoneum (excluding specific organs). Rubinstein Z, et al. **CT** 1979 Sep;3(3):180–9

Case report. Retroperitoneal spleen mimicking suprarenal mass in association with malpositioned left kidney: embryologic theory. Requard CK. **J Comput Assist Tomogr** 1981 Jun;5(3):443–5

Hodgkin disease, the non-Hodgkin lymphomas, and the leukemias in the retroperitoneum. Castellino RA, et al. **Semin Roentgenol** 1980 Oct;15(4 Pt 2):288–301

[Computer tomography in deciding on the operability of a testicular neoplasm metastasis in the retroperitoneum] Baše J, et al. **Rozhl Chir** 1980;59(12):823–6 (Eng. Abstr.) **(Cze)**

[A comparative study of lymphography and C.T. in the exploration of retro-peritoneal adenopathies (author's transl)] Schoffers J, et al. **J Belge Radiol** 1980;63(4):461–70 (Eng. Abstr.) **(Fre)**

[The radiological diagnosis of a gastro-intestinal hemorrhage of uncommon origin (author's transl)] Stienon M, et al. **J Belge Radiol** 1980;63(4):505–8 (Eng. Abstr.) **(Fre)**

[Angiographic picture of a retroperitoneal neuroblastoma in an adult] Lovrenčić M, et al. **Acta Med Iugosl** 1980 Nov; 34(4):335–42 **(Ger)**

[Clinical and diagnostic value of computed tomography in retroperitoneal space-occupying extrarenal and extrapancreatic lesions (author's transl)] Küster W, et al. **Wien Klin Wochenschr** 1981 May 1;93(9):275–80 (Eng. Abstr.) **(Ger)**

[Retroperitoneal hemangiopericytoma: 1 case with relapse and multiple metastasis (author's transl)] Di Egidio M, et al. **Radiol Med (Torino)** 1980 May;66(5):331–4 **(Ita)**

[Cystic teratoma of the retroperitoneum (author's transl)] Tada S. **Rinsho Hoshasen** 1980 Aug;25(8):883–4 **(Jpn)**

[Retroperitoneal chorioepithelioma] Maroń K. **Pol Przegl Radiol** 1980 Sep–Oct;44(5):391–2 **(Pol)**

[Clinical x-ray diagnosis of retroperitoneal neuroblastomas in children] Bairov GA, et al. **Vestn Khir** 1981 Feb; 126(2):105–10 (Eng. Abstr.) **(Rus)**

[Contrast study of the kidneys and duodenum by pneumoretroperitoneum in retroperitoneal tumors] Kuus EM, et al. **Vestn Rentgenol Radiol** 1980 Nov–Dec;(6):26–30 (Eng. Abstr.) **(Rus)**

[Differential diagnosis of tumors of the gastrointestinal tract and retroperitoneal space from abdominal aortic aneurysms] Tsakadze LO. **Vopr Onkol** 1981;27(7):22–5 (Eng. Abstr.) **(Rus)**

RADIOTHERAPY

[Radiotherapy of para-aortal lymphomas with Co 60 gamma radiation (author's transl)] Heckenthaler W, et al. **Strahlentherapie** 1981 Jan;157(1):1–7 (Eng. Abstr.) **(Ger)**

[Gamma teletherapy of inoperable retroperitoneal tumors with nonuniform distribution of the dosage in the tissues] Aliev BM, et al. **Vopr Onkol** 1980;26(12):053–8 (Eng. Abstr.) **(Rus)**

SECONDARY

Computer tomography, lymphography and phlebography in metastases from testicular tumors. Lien HH, et al. **Acta Radiol [Diagn] (Stockh)** 1980;21(4):505–12

Computed tomography and lymphography of the retroperitoneal space in testicular tumors. A comparison. Cionini L, et al. **Acta Radiol Oncol Radiat Phys Biol** 1981; 20(1):19–24

Value of CT and lymphography: distinguishing retroperitoneal metastases from nonseminomatous testicular tumors. Dunnick NR, et al. **AJR** 1981 Jun;136(6):1093–9

Are retroperitoneal lymph node metastases a major problem in endometrial adenocarcinoma? Diagnostic and prognostic assessment with lymphography. Musumeci R, et al. **Cancer** 1980 Oct 15;46(8):1887–92

Metastatic non-seminomatous testis tumors: morbidity of treatment. McLorie GA, et al. **J Urol** 1980 Oct; 124(4):479–81

Breast cancer and retroperitoneal metastasis. Carloss H, et al. **South Med J** 1980 Dec;73(12):1570–1

[Retroperitoneal lymph node metastasis of an infraclinical testicular seminoma (author's transl)] Savatovsky I, et al. **J Urol (Paris)** 1981;87(4):235–7 (Eng. Abstr.) **(Fre)**

[Gastric carcinoma with retroperitoneal symptoms (a contribution to differential diagnosis)] Becker T, et al. **Z Gesamte Inn Med** 1981 Mar;36(5):181–2 (Eng. Abstr.) **(Ger)**

[Malignant retroperitoneal fibrosis due to metastasizing non-urologic tumors as a cause of hydronephrosis] Oesterwitz H, et al. **Z Urol Nephrol** 1981 May;74(5):355–61 **(Ger)**

[Effect of retroperitoneal lymphadenectomy on late therapeutic results in testicular tumors] Figurin KM. **Vopr Onkol** 1981;27(4):70–3 (Eng. Abstr.) **(Rus)**

SURGERY

The continuing challenge of retroperitoneal sarcomas. Cody HS 3d, et al. **Cancer** 1981 May 1;47(9):2147–52

Retroperitoneal sarcoma treated by surgery. Bengmark S, et al. **J Surg Oncol** 1980;14(4):307–14

[Infrahepatic suprerenal inferior vena cava resection for adjacent retroperitoneal malignant pheochromocytoma : a case report (author's transl)] Wu DC. **Chung Hua Wai Ko Tsa Chih** 1980 Dec;18(6):494–5 **(Chi)**

[Misleading hemangipericytoma malignancy] Rausis C, et al. **Rev Med Suisse Romande** 1980 May;100(5):447–53 **(Fre)**

[Problems of surgical re-intervention in primary retroperitoneal tumours in adults (author's transl)] Daniels V, et al. **Zentralbl Chir** 1980;105(10):625–32 (Eng. Abstr.) **(Ger)**

THERAPY

Retroperitoneal rhabdomyosarcoma in children. Results of multimodality therapy. Ransom JL, et al. **Cancer** 1980 Mar 1;45(5):845–50

Retroperitoneal sarcomas: a reappraisal of treatment. Storm FK, et al. **J Surg Oncol** 1981;17(1):1–7

RETROPERITONEAL SPACE

Intrathoracic extension of retroperitoneal urine collections. Baron RL, et al. **AJR** 1981 Jul;137(1):37–41

Computerized tomographic assessment of retroperitoneal hemorrhage after percutaneous renal biopsy. Alter AJ, et al. **Arch Intern Med** 1980 Oct;140(10):1323–6

Extensive infantile retroperitoneal haemangioma causing severe retroperitoneal and gastrointestinal bleeding associated with haemangioma of the thigh. A syndrome? Shahar E, et al. **Aust Paediatr J** 1980 Jun;16(2):119–22

Bilateral retroperitoneal xanthogranuloma. Vandendris M, et al. **Br J Urol** 1981 Jun;53(3):280

Laparoscopic removal of translocated retroperitoneal IUDs. Valle RF. **Gastrointest Endosc** 1981 Feb;27(1):28–30

The use of ultrasonography in the diagnosis of retroperitoneal abscess caused by perforation of the appendix. Healy D, et al. **Ir J Med Sci** 1980 Dec;149(12):479

Retroperitoneal abscesses—case reports. Qureshi H, et al. **JPMA** 1981 May;31(5):108–11

Complementary use of radiography, ultrasonography, and gallium-67 scintigraphy in the diagnosis of a retroperitoneal abscess. Wicks JD, et al. **Urol Radiol** 1979;1(1):25–7

Computerized axial tomography in diagnosis of retroperitoneal abscess. Moody T, et al. **Urology** 1980 Nov; 16(5):536–8

[Compression of the femoral nerve by retroperitoneal hematoma or tumor (author's transl)] Cramer H, et al. **Nervenarzt** 1980 Aug;51(8):483–7 **(Ger)**

[Transdiaphragmatic and retroperitoneal cutaneous fistulas in purulent chest diseases. Diagnosis and treatment] Wex P, et al. **Prax Klin Pneumol** 1980 Mar;34(3):148–57 (Eng. Abstr.) **(Ger)**

[CT identification of retroperitoneal haematomas following translumbar aortography (author's transl)] Bolz KD, et al. **Roentgenblaetter** 1980 Oct;33(10):509–12 (Eng. Abstr.) **(Ger)**

[A case of choleretroperitoneum (clinical study)] Pederzoli P, et al. **Chir Ital** 1980 Jun;32(3):513–21 (Eng. Abstr.) **(Ita)**

[Retroperitoneal cyst] Wójcik A. **Wiad Lek** 1980 Dec 1; 33(23):1897–8 **(Pol)**

BLOOD SUPPLY

Rare variant of venous stems of the retroperitoneal space in man. Dudziak M, et al. **Folia Morphol (Warsz)** 1980; 39(2):171–80

PATHOLOGY

CT-guided percutaneous aspiration and drainage of abscesses. Haaga JR, et al. **AJR** 1980 Dec;135(6):1187–94

Combination of CT and ultrasound in the retroperitoneum and pelvis examination. Raskin MM. **CRC Crit Rev Diagn Imaging** 1980;13(3):173–228 (54 ref.)

[Ultrasonography of the retroperitoneal space (author's transl)] Frederic N, et al. **J Belge Radiol** 1981;64(1):63–7 (Eng. Abstr.) **(Fre)**

[Ultrasound diagnosis of the kidneys and the retroperitoneal space] Schmoller Hj. **Acta Med Austriaca** 1979;6(4):120–4 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Detection of retroperitoneal hemorrhage after translumbar aortography by computerized tomography. Yandow D, et al. **Angiology** 1980 Oct;31(10):655–9

Mass lesions of the retroperitoneum (excluding specific organs). Rubinstein Z, et al. **CT** 1979 Sep;3(3):180–9

Right perirenal hematoma secondary to a leaking abdominal aortic aneurysm. Sandler CM, et al. **J Comput Assist Tomogr** 1981 Apr;5(2):264–6

[Exploration and surveillance of the retroperitoneal space by lymphography and ultrasonography in patients with non-Hodgkin's lymphomas (author's transl)] Bruneton JN, et al. **J Radiol** 1980 Dec;61(12):779–84 (Eng. Abstr.) **(Fre)**

[The statement value of axial computer tomography for urorenal diseases compared to conventional radiological methods of examination (author's transl)] Imschweiler E, et al. **Radiol Diagn (Berl)** 1980;21(6):765–71 (Eng. Abstr.) **(Ger)**

[Computed tomorgraphy and ultrasound; comparative study in diseases of the upper abdomen and retroperitoneal space (author's transl)] Fiegler W, et al. **ROEFO** 1980 Mar; 132(3):262–71 (Eng. Abstr.) **(Ger)**

[Indications for computerized axial x-ray tomography in the diagnosis of pathological processes of the abdominal cavity and retroperitoneal space] Ternovoi SK. **Ter Arkh** 1981; 53(2):40–4 (Eng. Abstr.) **(Rus)**

RETROPNEUMOPERITONEUM

[Assessment of retroperitoneal pneumography in the diagnosis of adrenal diseases (author's transl)] Chen XR. **Chung Hua Fang She Hsueh Tsa Chih** 1980;14(3):191–4 **(Chi)**

METHODS

[Contrast study of the kidneys and duodenum by pneumoretroperitoneum in retroperitoneal tumors] Kuus EM, et al. **Vestn Rentgenol Radiol** 1980 Nov–Dec;(6):26–30 (Eng. Abstr.) **(Rus)**

RETROPROGESTAGEN see under **PREGNENEDIONES**

RETROSPECTIVE STUDIES

Additive excess risk model for epidemiologic interaction in retrospective studies. Dayal HH. **J Chronic Dis** 1980; 33(10):653–60

The case control or retrospective study in retrospect. Smith MW. **J Clin Pharmacol** 1981 Jul;21(7):269–74

[Estimation of the relative risk in retrospective studies (author's transl)] Lellouch J, et al. **Rev Epidemiol Sante Publique** 1980 Apr 30;28(1):127–9 (Eng. Abstr.) **(Fre)**

RETROVIRIDAE

Possible presence of bovine leucosis virus in Australia. Gee RW. **Aust Vet J** 1980 Mar;56(3):149

Human leukemia viruses? RNA tumor viruses, human malignancies, and concepts of viral carcinogenesis. Hehlmann R, et al. **Blut** 1980 Oct;41(4):247–56 (57 ref.)

Genomic integration of bovine leukemia provirus and lack of viral RNA expression in the target cells of cattle with different responses to BLV infection. Kettmann R, et al. **Leuk Res** 1980;4(6):509–19

Milk of dairy cows frequently contains a leukemogenic virus. Ferrer JF, et al. **Science** 1981 Aug 28;213(4511):1014–6

Morphologic changes in the rabbit SIRC cell line induced by simian sarcoma-associated virus. Nomura S, et al. **Virology** 1980 Oct 30;106(2):395–400

[7th meeting on retrovirus. Abstracts] **Bull Cancer (Paris)** 1981;68(1):81–92 **(Fre)**

ANALYSIS

Proteins of bovine leudemia virus: p. 15 is the major phosphorprotein. Uckert W, et al. **Acta Biol Med Ger** 1979; 38(11–12):K35–42

A method for the isolation of segments from the 5' ends of retrovirus RNA. Chien YH, et al. **Anal Biochem** 1980 Mar 1;102(2):281–7

The RNA of the human syncytium-forming (foamy) virus. Loh PC, et al. **Arch Virol** 1981;68(1):53–8

Comparison of lipophilic proteins in murine and avian oncornaviruses. Audubert F, et al. **Biochem Biophys Res Commun** 1981 Jun 16;100(3):1173–82

Biochemical characterization of the virus causing leukoencephalitis and arthritis in goats. Clements JE, et al. **J Gen Virol** 1980 Oct;50(2):423–7

Comparative oligonucleotide analysis of exogenous and endogenous primate type C viruses. Hefti E, et al. **J Gen Virol** 1981 Apr;53(Pt 2):283–92

Comparative analysis: intracellular precursor polyproteins of baboon endogenous retroviruses and human viral isolate HL23V. Whiteley SA, et al. **J Virol** 1981 Mar;37(3):860–70

Rat sarcoma virus: further analysis of individual viral isolates and the gene product. Young HA, et al. **J Virol** 1981 Apr; 38(1):286–93

Viral RNA content of bovine leukemia virus-infected cells. Marbaix G, et al. **Mol Biol Rep** 1981 May 22;7(1–3):135–8

Glycoprotein and protein composition of bovine leukemia virus (BLV). Prachař J, et al. **Neoplasma** 1980;27(6):669–74

Radioimmunoassay for major internal structural protein (p21) of the bovine leukemia virus; antibodies detection and viruses identification. Tarassishin LA, et al. **Neoplasma** 1980;27(5):509–16

Comparison of radioimmunoassay for internal protein of bovine leukemia virus with neutralization test employing VSV-BLV pseudotype. Zajac V, et al. **Neoplasma** 1980; 27(5):517–23

Preparation of autologous antiserum against SSV nonproducer cells and its partial characterization. Thiel HJ, et al. **Virology** 1981 Jul 30;112(2):634–41

[Structure and properties of retrovirus type C proteins] Mazurenko NN. **Vopr Virusol** 1980 Nov–Dec;(6):644–54 (118 ref.) **(Rus)**

CLASSIFICATION

Radioimmunoassay for major internal structural protein (p21) of the bovine leukemia virus; antibodies detection and viruses identification. Tarassishin LA, et al. **Neoplasma** 1980;27(5):509–16

DRUG EFFECTS

Lytic action of neurotropic drugs on retroviruses in vitro. Wunderlich V, et al. **Eur J Cancer** 1980 Sep;16(9):1127–32

Effects of E-5-(2-bromovinyl)-2'-deoxyuridine and other selective anti-herpes compounds on the induction of retrovirus particles in mouse BALB/3T3 cells. De Clercq E, et al. **Mol Pharmacol** 1981 Jan;19(1):122–9

ENZYMOLOGY

Avian oncornaviruses contain a virus coded protease (p15) which processes its own gag protein precursor and the 110 Kd polypeptide of MC29. von der Helm K, et al. **Arch Geschwulstforsch** 1980;50(4):299–305

Interrelationship of reverse transcriptases of primate type D retroviruses. Wunderlich V, et al. **Arch Geschwulstforsch** 1980;50(3):214–9

Isolation and partial characterization of the reverse transcriptases of Rauscher murine leukemia virus, simian sarcoma virus and RD-114 virus. van Muijen GN, et al. **Biochim Biophys Acta** 1980 Oct 17;609(3):483–91

Inhibition of reverse transcriptase by polyvinyl sulfate (PVS). Hallinan FM, et al. **Cancer Biochem Biophys** 1981; 5(2):97–101

Feline sarcoma virus P115-associated protein kinase phosphorylates tyrosine. Identification of a cellular substrate conserved during evolution. Reynolds FH Jr, et al. **J Biol Chem** 1980 Nov 25;255(22):11040–7

Partial phosphorylation in vivo of the avian retrovirus pp32 DNA endonuclease. Schiff RD, et al. **J Virol** 1980 Dec; 36(3):889–93

Characterization of the reverse transcriptase from a new retrovirus (HTLV) produced by a human cutaneous T-cell lymphoma cell line. Rho HM, et al. **Virology** 1981 Jul 15;

112(1):355–60
[Improved test for the detection of reverse transcriptase of bovine leukosis virus] Rössler H, et al. **Arch Exp Veterinaermed** 1980;34(4):595–615 (Eng. Abstr.) (Ger)

GENETICS

Identification of ecotropic proviral sequences in twelve inbred mouse strains. Chan HW, et al. **Am J Trop Med Hyg** 1980 Sep;29(5 Suppl):1107–10
Characterization of caprine arthritis-encephalitis virus: a retrovirus of goats. Cheevers WP, et al. **Arch Virol** 1981; 67(1):111–7
Transforming proteins of some feline and avian sarcoma viruses are related structurally and functionally. Beemon K. **Cell** 1981 Apr;24(1):145–53
Enemies within: the genesis of retrovirus oncogenes. Bishop JM. **Cell** 1981 Jan;23(1):5–6
Sequence organization of cloned intracisternal A particle genes. Ono M, et al. **Cell** 1980 Sep;21(2):465–73
Origin of retroviruses from cellular moveable genetic elements. Temin HM. **Cell** 1980 Oct;21(3):599–600 (18 ref.)
Viral oncogenes. **Cold Spring Harbor Symp Quant Biol** 1980; 44(Pt 2):721–1322
Transforming genes of retroviruses. Duesberg PH. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):13–29 (114 ref.)
DNA intermediates in the replication of retroviruses are structurally (and perhaps functionally) related to transposable elements. Majors JE, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 2:731–8
Endogenous virogenes and oncogenes in rat-cell transformation: a new model system. Rasheed S. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):779–86
Summary: molecular biology of viral oncogenes. Sharp PA. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):1305–22
Evolution of retroviruses from cellular movable genetic elements. Shimotohno K, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 2:719–30
Cloning of avian tumor virus DNA fragments in plasmid pBR322: evidence for efficient transcription in E. coli from a virus-coded promoter. Guntaka RV, et al. **Gene** 1980 Dec;12(1–2):113–21
Genetic resistance to murine leukemia induced by different radiation leukemia virus variants; a comparative study on the role of the H-2 complex. Lonai P, et al. **Immunogenetics** 1980 Jul;11(1):21–9
Three sizes of subunits in RNAs from feline sarcoma-leukaemia virus mixtures. Kimball PC, et al. **J Gen Virol** 1980 Dec;51(Pt 2):295–305
Cellular transformation by subgenomic feline sarcoma virus DNA. Barbacid M. **J Virol** 1981 Jan;37(1):518–23
Physical map of infectious baboon type C viral DNA and sites of integration in infected cells. Battula N, et al. **J Virol** 1980 Dec;36(3):709–18
Terminally redundant sequences in cellular intracisternal A-particle genes. Cole MD, et al. **J Virol** 1981 May; 38(2):680–7
Transformation-defective mutants of feline sarcoma virus which express a product of the viral src gene. Donner L, et al. **J Virol** 1980 Jul;35(1):129–40
Generation of novel, biologically active Harvey sarcoma viruses via apparent illegitimate recombination. Goldfarb MP, et al. **J Virol** 1981 Apr;38(1):136–50
Structure of the provirus within NIH 3T3 cells transfected with Harvey sarcoma virus DNA. Goldfarb MP, et al. **J Virol** 1981 Apr;38(1):125–35
Avian reticuloendotheliosis virus: characterization of genome structure by heteroduplex mapping. Hu SS, et al. **J Virol** 1981 Mar;37(3):899–907
Restriction endonuclease mapping of linear unintegrated proviral DNA of bovine leukemia virus. Kettmann R, et al. **J Virol** 1981 Apr;38(1):27–33
Recovery of biologically active spleen focus-forming virus from molecularly cloned spleen focus-forming virus-pBR322 circular DNA by cotransfection with infectious type C retroviral DNA. Linemeyer DL, et al. **J Virol** 1980 Sep;35(3):710–21
Low-molecular-weight RNAs and initiation of RNA-directed DNA synthesis in avian reticuloendotheliosis virus. Peters GG, et al. **J Virol** 1980 Feb;33(2):708–16
Biochemical characterization of cells transformed via transfection by feline sarcoma virus proviral DNA. Rosenberg ZF, et al. **J Virol** 1981 May;38(2):782–8
Three independent isolates of feline sarcoma virus code for three distinct gag-x polyproteins. Ruscetti SK, et al. **J Virol** 1980 Jul;35(1):259–64
Chromosomal localization of ev-1, a frequently occurring endogenous retrovirus locus in white Leghorn chickens, by in situ hybridization. Tereba A, et al. **J Virol** 1980 Sep; 35(3):888–94
Characterization of a 170,000-dalton polyprotein encoded by the McDonough strain of feline sarcoma virus. Van de Ven WJ, et al. **J Virol** 1980 Jul;35(1):165–75
Transformation by rat-derived oncogenic retroviruses. Scolnick EM. **Microbiol Rev** 1981 Mar;45(1):1–8
Did retroviruses evolve from transposable elements? [news] Flavell A. **Nature** 1981 Jan 1;289(5793):10–1
onc sequences (v-fes) of Snyder-Theilen feline sarcoma virus are derived from noncontiguous regions of a cat cellular gene (c-fes). Franchini G, et al. **Nature** 1981 Mar 12; 290(5802):154–7
Chromatin structure of endogenous retroviral genes and activation by an inhibitor of DNA methylation. Groudine M, et al. **Nature** 1981 Jul 23;292(5821):311–7
Terminal direct repeats in a retrovirus-like repeated mouse gene family. Keshet E, et al. **Nature** 1981 Jan 1; 289(5793):83–5
A single dominant gene determines susceptibility to a leukaemogenic recombinant retrovirus. Schwartz RS, et al. **Nature** 1981 Jul 16;292(5820):245–6
Origin and functional properties of the major gene product of the Snyder-Theilen strain of feline sarcoma virus. Barbacid M, et al. **Proc Natl Acad Sci USA** 1980 Sep; 77(9):5158–62
Molecular cloning and comparative analyses of the genomes of simian sarcoma virus and its associated helper virus. Gelmann EP, et al. **Proc Natl Acad Sci USA** 1981 Jun; 78(6):3373–7
Biological activity of the spleen focus-forming virus is encoded by a molecularly cloned subgenomic fragment of spleen focus-forming virus DNA. Linemeyer DL, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1401–5
Molecular cloning of integrated simian sarcoma virus: genome organization of infectious DNA clones. Robbins KC, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):2918–22
Homology exists among the transforming sequences of avian and feline sarcoma viruses. Shibuya M, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6536–40
No apparent nucleotide sequence specificity in cellular DNA juxtaposed to retrovirus proviruses. Shimotohno K, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7357–61
Genetic transmission of retroviral genes and cellular oncogenes. Todaro GJ, et al. **Proc R Soc Lond [Biol]** 1980 Nov 19;210(1180):367–85
RNA viruses, cancer and development. Temin HM. **Results Probl Cell Differ** 1980;11:196–201
Origin of mink cytopathic focus-forming (MCF) viruses:comparison with ecotropic and xenotropic murine leukemia virus genomes. Chattopadhyay SK, et al. **Virology** 1981 Sep;113(2):465–83
Characterization of transformation- and replication-specific sequences of reticuloendotheliosis virus. Cohen RS, et al. **Virology** 1981 Sep;113(2):672–85
Secretion of a virus-regulated factor by clonal variants of reticuloendotheliosis virus-transformed hematopoietic cells. Garry RF, et al. **Virology** 1981 Aug;113(1):403–7
Pathogenesis of the slow disease of the central nervous system associated with wild mouse virus. II. Role of virus and host gene products. Oldstone MB, et al. **Virology** 1980 Nov;107(1):180–93
Transformation with subgenomic fragments of feline sarcoma virus proviral DNA. Rosenberg ZF, et al. **Virology** 1981 Jul 30;112(2):496–504
The vertebrate homolog of the putative transforming gene of avian myelocytomatosis virus: characteristics of the DNA locus and its RNA transcript. Sheiness DK, et al. **Virology** 1980 Sep;105(2):415–24
Avian reticuloendotheliosis virus contains a new class of oncogene of turkey origin. Wong TC, et al. **Virology** 1981 May;111(1):289–93

GROWTH & DEVELOPMENT

Use of a feline cell line in the syncytia infectivity assay for the detection of bovine leukemia virus infection in cattle. Ferrer JF, et al. **Am J Vet Res** 1981 Jan;42(1):9–14
Use of a continuous feline cell line for virologic and serologic investigations of bovine leukemia virus infections. Van der Maaten MJ, et al. **Am J Vet Res** 1980 Nov;41(11):1785–8
Mathematical analysis of the oncornavirus maturation process (virion RNA conversion and morphological condensation). Korb J, et al. **Biosystems** 1981;13(3):163–70
Studies on induction of oncornaviruses in fetal guinea pigs cells by 5-bromo-2'-deoxyuridine. Blawat F, et al. **Bull Inst Marit Trop Med Gdynia** 1980;31(1–2):105–12
Transformed phenotypes in long-term cultures persistently infected with bovine leukemia virus. Onuma M, et al. **Can J Comp Med** 1981 Apr;45(2):154–8
Fusion of transformed human cells by simian retroviruses. Ogura H, et al. **Gan** 1980 Jun;71(3):367–71
Interferon-mediated protein kinase in mouse cells treated with iododeoxyuridine (IdUrd) and induced to express endogenous retroviruses. Hovanessian AG, et al. **J Gen Virol** 1981 Jan;52(Pt 1):199–204
Replication of human syncytium-forming virus in human cells: effect of certain biological factors and selective chemicals. Loh PC, et al. **J Med Virol** 1981;7(1):67–73
Lipopolysaccharide induces retroviral antigen expression in 129/J mouse lymphocytes: evidence for assembly of a defective viral particle. Jongstra J, et al. **J Virol** 1981 Mar; 37(3):1044–50
Characterization of the infection of caprine synovial membrane cells by the retrovirus caprine arthritis-encephalitis virus. Klevjer-Anderson P, et al. **Virology** 1981 Apr 15;110(1):113–9

IMMUNOLOGY

Suppression of human lymphocyte mitogen response by disrupted primate retroviruses of type C (baboon endogenous virus) and type D (PMFV). Denner J, et al. **Acta Biol Med Ger** 1980;39(11–12):K19–26
Pseudotypes of vesicular stomatitis virus with coat antigen of bovine leukaemia virus--VSV (BLV): antigenic surface mosaic and the roles of precipitating antibodies and polycations. Závadová Z, et al. **Acta Virol (Praha)** 1980 May;24(3):166–74
Comparison of four serologic tests for the detection of antibodies to bovine leukemia virus. Miller JM, et al. **Am J Vet Res** 1981 Jan;42(1):5–8
Cytotoxic antibody in cattle and sheep exposed to bovine leukemia virus. Honma T, et al. **Arch Virol** 1980;66(4):293–9
Enhancement of antibody activity to bovine leukemia virus by complement. Watarai S, et al. **Arch Virol** 1981; 68(2):135–42
A survey of non-specific cross-protective immunities induced by avian retroviruses. Baxter-Gabbard KL, et al. **Avian Dis** 1980 Oct-Dec;24(4):1027–37
Tolerance, viral shedding, and neoplasia in chickens infected with non-defective reticuloendotheliosis viruses. Witter RL, et al. **Avian Dis** 1981 Apr-Jun;25(2):374–94
Antigen--antibody complexes related to the baboon endogenous virus in humans with acute lymphoblastic leukemia--hand mirror variant (ALL-HMC). Stass SA, et al. **Blood** 1980 Oct;56(4):661–6
In vitro susceptibilities of normal human skin fibroblasts to oncoviruses, and the decreased susceptibility to HSV of fibroblasts from untreated Hodgkin's patients. Ebbesen P, et al. **Br J Cancer** 1981 Jun;43(6):856–63
Immunochemical reactivity of simian sarcoma virus polypeptides isolated by preparative sodium dodecyl sulfate polyacrylamide gel electrophoresis. Johnson JC, et al. **Can J Microbiol** 1981 Feb;27(2):238–42
Normal B-cell activation involves endogenous retroviral antigen expression: implications for leukemogenesis. Moroni C, et al. **Cold Spring Harbor Symp Quant Biol** 1980; 44(Pt 2):1205–10
Isolation and characterization of proteins carrying the feline oncornavirus-associated cell-membrane antigen. Snyder HW Jr, et al. **Cold Spring Harbor Symp Quant Biol** 1980; 44(Pt 2):787–99
Monoclonal antibodies: detection of transformation-related antigens. VedBrat SS, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):715–20
Application of a radioimmunoassay for detection of the major internal antigen (p24) of bovine leukemia virus from cultured lymphocytes of cattle. Schmerr MJ, et al. **Comp Immunol Microbiol Infect Dis** 1980;3(3):327–36
Evidence for the cell surface expression of intracisternal A particle-associated antigens during early mouse development. Huang TT Jr, et al. **Dev Biol** 1981 Mar; 82(2):388–92
Viral abrogation of lymphocyte mitogenesis: induction of a soluble factor inhibitory to cellular proliferation. Israel E, et al. **Immunology** 1980 May;40(1):77–85
Immunological characterization of type-D retrovirus isolates from human cells. Colcher D. **Intervirology** 1980; 14(5–6):277–83
Serum antibodies against feline oncornavirus-associated cell membrane antigen in cats bearing virally induced uveal melanomas. Niederkorn JY, et al. **Invest Ophthalmol Vis Sci** 1981 May;20(5):598–605
Prevalence of bovine leukemia virus antibody in seven herds of Holstein-Friesian cattle. Evermann JF, et al. **J Am Vet Med Assoc** 1980 Sep 15;177(6):549–50
Microplate enzyme-linked immunosorbent assay for bovine leukemia virus antibody. Poli G, et al. **J Clin Microbiol** 1981 Jan;13(1):46–8
Retroviral gp70 immune complexes in NZB x NZW F2 mice with murine lupus nephritis. Izui S, et al. **J Exp Med** 1981 Aug 1;154(2):517–28
Identification of retroviral gp70 and anti-gp70 antibodies involved in circulating immune complexes in NZB X NZW mice. Izui S, et al. **J Exp Med** 1981 May 1;153(5):1151–60
Natural antibodies to the human T cell lymphoma virus in patients with cutaneous T cell lymphomas. Posner LE, et al. **J Exp Med** 1981 Aug 1;154(2):333–46
Expression of endogenous retroviral envelope antigen in Ig(+) B cells of immunized 15I5 X 71 chickens. Halpern MS, et al. **J Immunol** 1981 Mar;126(3):1198–202
Endogenous retroviral envelope antigen in plasma cells. Halpern MS, et al. **J Immunol** 1981 Aug;127(2):698–702
Expression of retrovirus-related antigen in pregnancy. I. Antigens cross-reacting with simian retroviruses in human foetal tissues and cord blood lymphocytes. Thiry L, et al. **J Reprod Immunol** 1981 Mar;2(6):309–22
Expression of retrovirus-related antigen in pregnancy. II. Cytotoxic and blocking specificities of immunoglobulins eluted from the placenta. Thiry L, et al. **J Reprod Immunol** 1981 Mar;2(6):323–30
Immunological properties of a type C retrovirus isolated from cultured human T-lymphoma cells and comparison to other mammalian retroviruses. Kalyanaraman VS, et al. **J Virol** 1981 Jun;38(3):906–15
Protection of cats against progressive fibrosarcomas and persistent leukemia virus infection by vaccination with feline leukemia cells. Grant CK, et al. **JNCI** 1980 Dec; 65(6):1285–92
Shared interspecies antigenic reactivities among hamster and feline oncoviruses. Jerabek LB, et al. **JNCI** 1981 Apr; 66(4):673–80
Natural transmission of bovine leukemia virus among cattle. Onuma M, et al. **Microbiol Immunol** 1980;24(11):1121–5
Common antigenic determinants on structural proteins p10--12 of PMFV and MPMV type D retroviruses.

Voevodin AF, et al. **Neoplasma** 1980;27(3):225–8

Clinical studies on bovine leukemia in Japanese black cattle. III. Serum lactate dehydrogenase activity and its isoenzyme pattern in groups of leukemic cattle and those negative or positive for antibody against bovine leukemia virus. Ishihara K, et al. **Nippon Juigaku Zasshi** 1980 Jun; 42(3):289–95

Clinical studies on bovine leukemia in Japanese black cattle. IV. Serum immunoglobulin concentrations in leukemic cattle and those with negative and positive serum antibodies to bovine leukemia virus. Ishihara K, et al. **Nippon Juigaku Zasshi** 1980 Aug;42(4):427–34

Prevention of 3-methylcholanthrene-induced fibrosarcomas in rats pre-inoculated with endogenous rat retrovirus. Fish DC, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2526–7

Depression of mitogen-induced lymphocyte blastogenesis by baboon endogenous retrovirus-associated components. Weislow OS, et al. **Proc Soc Exp Biol Med** 1981 Apr; 166(4):522–7

Test protocol of an enzyme-linked immunosorbent assay (ELISA) for the detection of antibodies against bovine leukosis virus. Gielkens AL, et al. **Tijdschr Diergeneeskd** 1981 Jan 15;106(2):suppl 3:34–7

Studies on bovine leukosis. VII. Further experience with an ELISA for the detection of antibodies to bovine leukosis virus. Ressang AA, et al. **Tijdschr Diergeneeskd** 1981 Jan 15;106(2):suppl 3:31–3

Enzootic bovine leukosis virus in Brazil. Romero CH, et al. **Trop Anim Health Prod** 1981 May;13(2):107–11

An enzyme-linked immunosorbent assay for enzootic bovine leukosis virus antibodies. Todd D, et al. **Vet Rec** 1980 Aug 9;107(6):124–6

Immune response to experimental infection with bovine leukemia virus (BLV) in domestic and laboratory animals. Coman S, et al. **Virologie** 1980 Oct–Dec;31(4):255–7

Antigenic determinants shared by the DNA polymerases of reticuloendotheliosis virus and mammalian type C retroviruses. Allen PT, et al. **Virology** 1980 Aug; 105(1):273–7

The transformation-specific proteins of avian (Fujinami and PRC-II) and feline (Synder--Theilen and Gardner--Arnstein) sarcoma viruses are immunologically related. Barbacid M, et al. **Virology** 1981 Apr 30; 110(2):411–9

Expression of natural antibodies against endogenous and horizontally transmitted macaque retroviruses in captive primates. Fine DL, et al. **Virology** 1981 Jul 15;112(1):49–61

Heterophil human antibodies recognize oncovirus envelope antigens: epidemiological parameters and immunological specificity of the reaction. Löwer J, et al. **Virology** 1981 Mar;109(2):409–17

In animals infected by bovine leukemia virus (BLV) antibodies to envelope glycoprotein gp51 are directed against the carbohydrate moiety. Portetelle D, et al. **Virology** 1980 Aug;105(1):223–33

Antigenic reactivity of a soluble glycoprotein associated with bovine leukemia virus. Schmerr MJ, et al. **Virology** 1981 Mar;109(2):431–4

Interspecies reactivity of type C and D retrovirus p 15E and p 15C proteins. Thiel HJ, et al. **Virology** 1981 May; 111(1):270–4

Detection by immunodiffusion- and radioimmunoassay-tests of antibodies to bovine leukemia virus antigens in sera of experimentally infected sheep and cattle. Mammerickx M, et al. **Zentralbl Veterinaermed [B]** 1980;27(4):291–303

Detection of precipitating antibodies and identification of bovine leukemia virus antigens by micro counter-current immunoelectrophoresis. Matthaeus W, et al. **Zentralbl Veterinaermed [B]** 1980;27(1):61–9

[Comparative studies of sera from cattle with complete leukemia virus and glycoprotein antigens] Mateva V, et al. **Vet Med Nauki** 1980;17(1):58–63 (Eng. Abstr.) **(Bul)**

[The occurrence of antibodies to the glycoprotein antigen (gp70) of the enzootic leukemia virus in a leukemic herd] Hofirek B. **Vet Med (Praha)** 1980 Aug;25(8):449–55 (Eng. Abstr.) **(Cze)**

[Transmission and immune response in bovine enzootic leukosis (author's transl)] Ressang AA, et al. **Tijdschr Diergeneeskd** 1980 Aug 15;105(16):657–60 (Eng. Abstr.) **(Dut)**

[Milk as substrate for the diagnosis of enzootic bovine leukosis (EBL) of cattle (author's transl)] Manz D. **DTW** 1981 May 5;88(5):169–71 (Eng. Abstr.) **(Ger)**

[Serological survey on the status of infection with reticuloendotheliosis virus in Northern Germany with regard to epidemiological aspects (author's transl)] Neumann U, et al. **DTW** 1981 Mar 5;88(3):104–7 (Eng. Abstr.) **(Ger)**

[Search for antibodies to oncornavirus (D) and virus-associated antigens in the sera of gynecologic patients] Kurbanova AG, et al. **Akush Ginekol (Mosk)** 1980 Sep;(9):42–4 (Eng. Abstr.) **(Rus)**

[Role of known oncoviruses in the pathogenesis of systemic lupus erythematosus] Alekberova ZS, et al. **Vopr Revm** 1980 Oct–Dec;(4):43–6 (Eng. Abstr.) **(Rus)**

[Comparison of a few methods for detecting antibodies to the bovine leukemia virus] Grinenko NF, et al. **Vopr Virusol** 1980 May–Jun;(3):281–4 (Eng. Abstr.) **(Rus)**

[Detection of oncornavirus D-induced antigen in cells by a mixed hemadsorption method] Kosiakova NP, et al. **Vopr Virusol** 1980 May–Jun;(3):351–4 (Eng. Abstr.) **(Rus)**

[Detection of new antigens, induced by retrovirus D, by a quantitative complement fixation micromethod using radioactive chromium] Pavliuchenkova RP, et al. **Vopr Virusol** 1980 Sep–Oct;(5):580–3 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Retrovirus particles in spontaneously occurring and radiation-induced tumors in ddY mice. Chino F, et al. **Acta Pathol Jpn** 1981 Mar;31(2):233–47

Detection of C-type virus by immunoferritin technique in bat lung cell line chronically infected with bovine leucosis virus. Mihailescu D, et al. **Arch Exp Veterinaermed** 1980; 34(6):847–50

Detection of type D retrovirus in a human amnion cell line (FL). Zotter S, et al. **Arch Geschwulstforsch** 1980; 50(8):763–8

Isolation of bovine leucosis virus from cattle [letter] Chung YS. **Aust Vet J** 1980 Jun;56(6):301–2

Feline respiratory virus carriers in clinically healthy cats. Ellis TM. **Aust Vet J** 1981 Mar;57(3):115–8

Isolation of bovine leucosis virus from cattle [letter] Meischke HR. **Aust Vet J** 1980 Jun;56(6):301

Detection of bovine leukemia virus by syncytium assay. Onuma M, et al. **Can J Comp Med** 1980 Jul;44(3):289–93

Search for retrovirus-like particles in human breast cancer cells in culture. Strauchen JA, et al. **Cancer Res** 1980 Nov; 40(11):3880–5

Syncytium-forming virus of common marmosets (Callithrix jacchus jacchus). Marczynska B, et al. **Infect Immun** 1981 Mar;31(3):1261–9

The detection of intracellular retrovirus-like entities in Drosophila melanogaster cell cultures. Heine CW, et al. **J Gen Virol** 1980 Aug;49(2):385–95

Aetiology of jaagsiekte: transmission by means of subcellular fractions and evidence for the involvement of a retrovirus. Verwoerd DW, et al. **Onderstepoort J Vet Res** 1980 Dec; 47(4):275–80

Detection and isolation of type C retrovirus particles from fresh and cultured lymphocytes of a patient with cutaneous T-cell lymphoma. Poiesz BJ, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7415–9

Enzootic bovine leucosis virus in semen. Lucas MH, et al. **Vet Rec** 1980 Feb 9;106(6):128

[Detection of bovine leukemia virus in tissue cultures] Ivanov VL. **Vopr Virusol** 1980 Sep–Oct;(5):596–9 (Eng. Abstr.) **(Rus)**

[Spontaneous contamination of primary green monkey kidney cell cultures by foamy virus] Mironova LL, et al. **Vopr Virusol** 1980 May–Jun;(3):327–30 (Eng. Abstr.) **(Rus)**

METABOLISM

BLV proviral DNA in the genome of the target lymphocyte. Kettmann R, et al. **Arch Geschwulstforsch** 1980; 50(8):735–42

Biochemical characterization of simian foamy virus type i. Cavalieri F, et al. **Arch Virol** 1981;68(3–4):197–202

Snyder-Theilen feline sarcoma virus P85 contains a single phosphotyrosine acceptor site recognized by its associated protein kinase. Blomberg J, et al. **J Virol** 1981 Jun; 38(3):886–94

Involvement of a high-molecular-weight polyprotein translational product of Snyder-Theilen Feline sarcoma virus in malignant transformation. Reynolds FH Jr, et al. **J Virol** 1981 Feb;37(2):643–53

Fusion of normal primate cells: a common biological property of the D-type retroviruses. Chatterjee S, et al. **Virology** 1980 Nov;107(1):100–8

Detection of a transformation-specific glycopeptide in SSV-infected cells. Thiel HJ, et al. **Virology** 1981 Jul 30; 112(2):642–50

PATHOGENICITY

Correlation of transient accumulation of linear unintegrated viral DNA and transient cell killing by avian leukosis and reticuloendotheliosis viruses. Temin HM, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):773–8

Feline sarcoma virus induced in vitro progression from premalignant to neoplastic transformation of human diploid cells. Milo GE, et al. **In Vitro** 1980 Sep;16(9):813–22

Induction of haemopoietic tumours in rats by the type-C helper virus of the woolly monkey sarcoma virus. Nooter K, et al. **Leuk Res** 1981;5(1):97–9

[Viral etiology of breast cancer] Dosne Pasqualini C. **Medicina (B Aires)** 1980 May–Jun;40(3):353–9 **(Spa)**

PHYSIOLOGY

Origins and roles of endogenous retroviruses. Weinberg RA. **Cell** 1980 Dec;22(3):643–4

Induction of syncytia by simian sarcoma virus type I (SSV-I/SSAV-I) in several human transformed cell lines. Ocho M, et al. **Exp Cell Biol** 1980;48(6):421–8

Genetic study of lymphoma induction by AKR mink cell focus-inducing virus in AKR x NFS crosses. Cloyd MW, et al. **J Exp Med** 1981 Aug 1;154(2):450–7

Biological and antigenic characteristics of HEL-12 virus. Bergholz CM, et al. **J Gen Virol** 1980 Oct;50(2):247–57

Biological characterization of the virus causing leukoencephalitis and arthritis in goats. Narayan O, et al. **J Gen Virol** 1980 Sep;50(1):69–79

Effect of tunicamycin on cell fusion induced by Mason-Pfizer monkey virus. Chatterjee S, et al. **J Virol** 1981 May; 38(2):770–6

Early syncytium formation by bovine leukemia virus. Graves DC, et al. **J Virol** 1981 Jun;38(3):1055–63

Differences in mechanisms of transformation by independent feline sarcoma virus isolates. Reynolds FH Jr, et al. **J Virol** 1981 Jun;38(3):1084–9

Interactions among retroviruses Mason-Pfizer monkey, baboon endogenous, simian sarcoma virus-associated and murine leukemia detected by virus-mediated cell fusion inhibition assay. Ogura H. **Microbiol Immunol** 1980; 24(8):761–3

Retrovirus-encoded transformation-specific polyproteins: expression coordinated with malignant phenotype in cells from different germ layers. Chen AP, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3915–9

[Kinetics of the propagation of a murine virus (C57Bl mice) in the lymphoid system and bone marrow of rats (study using electron microscopy)] de Saint-Georges L, et al. **C R Soc Biol (Paris)** 1980;174(5):845–50 (Eng. Abstr.) **(Fre)**

[Biology, serology and biochemistry of leucemogenic viruses derived from a radiation-induced tumor of C57BL mice] Janowski M, et al. **C R Soc Biol (Paris)** 1980;174(5):832–9 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Oncornavirus precursor particles and the microtubule organizing centers. Heine UI, et al. **Arch Geschwulstforsch** 1980;50(8):715–23

[Ultrastructural characterization of a retrovirus of mice (BL/F) producing leukemia in rats] de Saint-Georges L, et al. **C R Soc Biol (Paris)** 1980;174(5):840–4 (Eng. Abstr.) **(Fre)**

[Structure of the enzootic cattle leukosis virus. I. Biophysicochemical characterization of several virus-specific components] Liebermann H, et al. **Arch Exp Veterinaermed** 1981;35(1):149–60 (Eng. Abstr.) **(Ger)**

RETROVIRUS INFECTIONS

Spongiform polioencephalomyelopathy caused by a murine retrovirus. I. Pathogenesis of infection in newborn mice. Brooks BR, et al. **Lab Invest** 1980 Nov;43(5):480–6

Initial event in mycosis fungoides of the skin is viral infection of epidermal Langerhans cells. MacKie RM. **Lancet** 1981 Aug 8;2(8241):283–5

IMMUNOLOGY

Nuclear ribonucleoproteins recognized by human antinuclear antibodies in retrovirus-infected cells. Barque JP, et al. **Biochem Biophys Res Commun** 1981 Mar 16;99(1):284–91

MICROBIOLOGY

Production of primate D-type virus interspecies-specific antigen during cocultivation of human breast fibroadenoma cells with bat lung cells. Ilyin KV, et al. **Arch Geschwulstforsch** 1980;50(8):743–6

PATHOLOGY

Progenitor-cell populations can be infected by RNA tumor viruses, but transformation is dependent on the expression of specific differentiated functions. Boettiger D, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):1249–54

Pathogenesis of spongiform changes in murine retrovirus polioencephalomyelopathy. Brooks BR, et al. **Trans Am Neurol Assoc** 1979;104:121–3

TRANSMISSION

Genetic transmission of retroviral genes and cellular oncogenes. Todaro GJ, et al. **Proc R Soc Lond [Biol]** 1980 Nov 19;210(1180):367–85

VETERINARY

Caprine arthritis-encephalitis: clinical features and presence of antibody in selected goat populations. Crawford TB, et al. **J Am Vet Med Assoc** 1981 Apr 1;178(7):713–9

Biological characterization of the virus causing leukoencephalitis and arthritis in goats. Narayan O, et al. **J Gen Virol** 1980 Sep;50(1):69–79

REVERSAL LEARNING

Quality of learning of severely retarded adolescents. Meador DM, et al. **Am J Ment Defic** 1981 Jan;85(4):404–9

The effects of fading procedures on discrimination shifts. Nolan JD, et al. **J Exp Psychol [Hum Learn]** 1981 May; 7(3):222–6

Gustatory stimulus control and reversal learning in rats. Swartzwelder HS, et al. **Physiol Behav** 1981 Mar; 26(3):543–5

DRUG EFFECTS

An analysis of visual object reversal learning in the marmoset after amphetamine and haloperidol. Ridley RM, et al. **Pharmacol Biochem Behav** 1981 Mar;14(3):345–51

PHYSIOLOGY

Septal lesions and reversal learning in dogs. Dąbrowska J. **Acta Neurobiol Exp (Warsz)** 1980;40(1):67–83

Cognitive mapping in rats: the role of the hippocampal and frontal system in retention and reversal. Becker JT, et al. **Behav Brain Res** 1981 Jul;3(1):1–22

Spatial discrimination, reversal and active or passive avoidance learning in rats with KA-induced neuronal depletions in dorsal hippocampus. Muñoz C, et al. **Brain Res Bull** 1981 May;6(5):399–406

Learning improvement of appetitively or aversively reinforced light–dark discrimination and reversal four weeks after electrical stimulation of the lateral hypothalamus of the rat. Velley L, et al. **Brain Res Bull** 1981 May;6(5):377–83

Cingulate cortical and anterior thalamic neuronal correlates of reversal learning in rabbits. Gabriel M, et al. **J Comp Physiol Psychol** 1980 Dec;94(6):1087–100

Stimulation of a soluble protein fraction in the hippocampus of rats, subjected to brief training. Rönnbäck L, et al. **J Neurol Sci** 1980 Nov;48(2):179–90

Malnutrition and behavior: the performance versus learning problem revisited. Halas ES, et al. **J Nutr** 1980 Sep; 110(9):1858–64

Comparative neuropsychology and Korsakoff's syndrome. I.--Spatial and visual reversal learning. Oscar-Berman M, et al. **Neuropsychologia** 1980;18(4–5):499–512

REVERSE TRANSCRIPTASE

Complexing reverse transcriptase with polyspermine–ribonuclease. Bandyopadhyay AK, et al. **Biochem J** 1980 Jul 1;189(1):89–93

ANALYSIS

Localization of reverse-transcriptase in interferon-treated mouse cells chronically infected with Moloney leukemia virus. Sherman L, et al. **Arch Virol** 1980;66(2):143–55

Amino acid sequence analysis of reverse transcriptase subunits from avian myeloblastosis virus. Copeland TD, et al. **J Virol** 1980 Oct;36(1):115–9

Isolation and properties of Moloney murine leukemia virus mutants: use of a rapid assay for release of virion reverse transcriptase. Goff S, et al. **J Virol** 1981 Apr;38(1):239–48

[Improved test for the detection of reverse transcriptase of bovine leukosis virus] Rössler H, et al. **Arch Exp Veterinaermed** 1980;34(4):595–615 (Eng. Abstr.) **(Ger)**

ANTAGONISTS & INHIBITORS

Observations on the phosphonoformic acid inhibition of RNA dependent DNA polymerases. Modak MJ, et al. **Biochem Biophys Res Commun** 1980 Sep 30;96(2):931–8

Inhibition of reverse transcriptase by polyvinyl sulfate (PVS). Hallinan FM, et al. **Cancer Biochem Biophys** 1981; 5(2):97–101

Isolation from murine myeloma and leukemia cells of a selective inhibitor of DNA polymerases. Gottlieb AA, et al. **Cancer Res** 1980 Mar;40(3):758–70

Inhibition of avian myeloblastosis virus reverse transcriptase by ethidium bromide: effect on enzyme activity and primer tRNA recognition. Sarih L, et al. **FEBS Lett** 1980 Dec 15;122(1):100–4

Human placentas contain a specific inhibitor of RNA-directed DNA polymerase. Nelson JA, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1670–4

Reactivity of reverse transcriptase toward (s4U,U)n copolymers and spin-labeled nucleic acid lattices. Warwick PE, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4574–7

GENETICS

Synthesis and processing of polymerase proteins of wild-type and mutant avian retroviruses. Eisenman RN, et al. **J Virol** 1980 Oct;36(1):62–78

Effect of polymerase mutations on packaging of primer tRNAPro during murine leukemia virus assembly. Levin JG, et al. **J Virol** 1981 Apr;38(1):403–8

IMMUNOLOGY

Interrelationship of reverse transcriptases of primate type D retroviruses. Wunderlich V, et al. **Arch Geschwulstforsch** 1980;50(3):214–9

Antigenic determinants shared by the DNA polymerases of reticuloendotheliosis virus and mammalian type C retroviruses. Allen PT, et al. **Virology** 1980 Aug; 105(1):273–7

ISOLATION & PURIFICATION

Isolation and partial characterization of the reverse transcriptases of Rauscher murine leukemia virus, simian sarcoma virus and RD-114 virus. van Muijen GN, et al. **Biochim Biophys Acta** 1980 Oct 17;609(3):483–91

Biochemical and immunological properties of the DNA polymerase and RNAase H activities of purified feline leukemia virus reverse transcriptase. Rho HM, et al. **Cancer Lett** 1980 Sep;10(3):207–21

Simple affinity procedure for the purification of mammalian viral reverse transcriptases. Sarngadharan MG, et al. **J Virol** 1980 Aug;35(2):555–9

METABOLISM

Virus-specific reverse transcriptase in acute leukaemia. Kiss S, et al. **Acta Paediatr Acad Sci Hung** 1981;22(1–2):33–42

Photochemical cross-linking studies on the interactions of avian myeloblastosis virus reverse transcriptase with primer tRNATrp and TTP. Araya A, et al. **Arch Biochem Biophys** 1980 Dec;205(2):437–48

Avian retrovirus RNA-directed DNA synthesis by purified reverse transcriptase. Covalent linkage of RNA to plus strand DNA. Olsen JC, et al. **Biochem Biophys Res Commun** 1980 Dec 31;97(4):1376–83

RNase-sensitive DNA polymerase activity in cell fractions and mutants of Neurospora crassa. Dutta SK, et al. **Biochem Genet** 1980 Aug;18(7–8):743–53

Mechanism of action of Moloney murine leukemia virus RNA-directed DNA polymerase associated RNase H (RNase H I). Gerard GF. **Biochemistry** 1981 Jan 20; 20(2):256–65

Rat liver DNA polymerase-beta: thermal inactivation of RNA- and DNA-dependent activities. Rossignol JM, et al. **Biochimie** 1981 Jan;63(1):31–6

Enhancement of viral gene expression in Friend erythroleukemic cells by 12-O tetradecanoylphorbol-13-acetate. Colletta G, et al. **Cancer Res** 1980 Sep;40(9):3369–73

Informational molecules in amoebae studies of template utilization by the DNA polymerase activities of Amoeba discoides. Abbott GF, et al. **Cytobios** 1980; 27(107–108):135–45

Effect of ATP on the Friend Murine leukemia virus-associated endonuclease activity and the endonuclease activity of the avian myeloblastosis virus RNA-directed DNA polymerase. Nissen-Meyer J, et al. **J Biol Chem** 1981 Aug 10;256(15):7985–9

The terminal redundancy of the retrovirus genome facilitates chain elongation by reverse transcriptase. Swanstrom R, et al. **J Biol Chem** 1981 Feb 10;256(3):1115–21

Existence of a reverse transcriptase-p30 complex in AKR mice with a high incidence of spontaneous lymphocytic leukaemia. Bandyopadhyay A, et al. **J Gen Virol** 1980 Dec; 51(Pt 2):281–93

Direct proof of the 5' to 3' transcriptional jump during reverse transcription of the avian retrovirus genome by DNA sequencing. Omer CA, et al. **J Virol** 1981 Apr; 38(1):398–402

Low-molecular-weight RNAs and initiation of RNA-directed DNA synthesis in avian reticuloendotheliosis virus. Peters GG, et al. **J Virol** 1980 Feb;33(2):708–16

Reverse transcriptase as the major determinant for selective packaging of tRNA's into Avian sarcoma virus particles. Peters GG, et al. **J Virol** 1980 Dec;36(3):692–700

Study of the interactions between avian myeloblastosis virus reverse transcriptase and primer tRNA. Affinity labeling and inactivation of the enzyme by periodate-treated tRNATrp. Araya A, et al. **Nucleic Acids Res** 1980 Sep 11;8(17):4009–20

Sequence rearrangement and duplication of double stranded fibronectin cDNA probably occurring during cDNA synthesis by AMV reverse transcriptase and Escherichia coli DNA polymerase I. Fagan JB, et al. **Nucleic Acids Res** 1980 Jul 11;8(13):3055–64

The complete amino acid sequence of human fibroblast interferon as deduced using synthetic oligodeoxyribonucleotide primers of reverse transcriptase. Houghton M, et al. **Nucleic Acids Res** 1980 Jul 11; 8(13):2885–94

Sequence complexity of cDNA transcribed from a diverse mRNA population. Van Ness J, et al. **Nucleic Acids Res** 1980 Sep 25;8(18):4259–70

A sequence from Drosophila melanogaster 18S rRNA bearing the conserved hypermodified nucleoside am psi: analysis by reverse transcription and high-performance liquid chromatography. Youvan DC, et al. **Nucleic Acids Res** 1981 Apr 10;9(7):1723–41

Possible role of RNA-dependent DNA-polymerase in early stages of evolution. Balasubramanian R, et al. **Orig Life** 1980 Sep;10(3):271–5

Synthesis in high yield of complementary DNA of retroviral RNA. Arya SK, et al. **Prep Biochem** 1980;10(4):483–93

Characterization of the reverse transcriptase from a new retrovirus (HTLV) produced by a human cutaneous T-cell lymphoma cell line. Rho HM, et al. **Virology** 1981 Jul 15; 112(1):355–60

[Increase in the RNA-dependent DNA polymerase activity in the rat liver in the genetic induction of adaptive enzymes] Salganik RI, et al. **Dokl Akad Nauk SSSR** 1980; 254(6):1482–6 **(Rus)**

REWARD

External stimulus control of self-stimulation behavior. Sadowski B. **Acta Neurobiol Exp (Warsz)** 1980;40(1):239–50

The pharmacology of catecholamine involvement in the neural mechanisms of reward. Wauquier A. **Acta Neurobiol Exp (Warsz)** 1980;40(3):665–86

Rewarding periaqueductal gray stimulation disrupts long-term memory for passive avoidance learning. Kesner RP, et al. **Behav Neural Biol** 1980 Nov;30(3):237–49

Effects of GABAergic drugs on brain stimulation reward as assessed by a 'threshold' method. Zarevics P, et al. **Brain Res** 1981 Jun 29;215(1–2):201–9

Ratio scales of the reward values and punisher aversions of depressed undergraduates. Layne C, et al. **J Clin Psychol** 1980 Jul;36(3):640–6

Brain stimulation and affective behavior: a note on an early demonstration of a 'reward center'. Kenyon J. **J Hist Behav Sci** 1981 Apr;17(2):174–5

Dopaminergic mediation of reward: evidence gained using a natural reinforcer in a behavioral contrast paradigm. Royall DR, et al. **Neurosci Lett** 1981 Jan 20;21(2):223–9

Intracranial self-stimulation as a technique to study the reward properties of drugs of abuse. Bozarth MA, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:245–7

Temporal properties of the rewarding and aversive effects of amphetamine in rats. Sherman JE, et al. **Pharmacol Biochem Behav** 1980 Oct;13(4):597–9

Action of drugs of abuse on brain reward systems. Wise RA. **Pharmacol Biochem Behav** 1980;13 Suppl 1:213–23 (117 ref.)

Psychophysical mapping of reward system operating characteristics: utility transforms of stimulation duration. Coleman WR, et al. **Physiol Behav** 1981 Jan;26(1):61–8

A state-dependent failure of rats to maximize rewards. Gill JH, et al. **Physiol Behav** 1980 Oct;25(4):505–10

Amphetamine enhancement of reward asymmetry. Glick SD, et al. **Psychopharmacology (Berlin)** 1981;73(4):323–7

Effects of success/failure and extrinsic rewards on intrinsic motivation using a competitive motor task. McCaughan LR, et al. **Res Q Exerc Sport** 1981 May;52(2):208–15

Response artifact in the measurement of neuroleptic-induced anhedonia. Ettenberg A, et al. **Science** 1981 Jul 17; 213(4505):357–9

[Effects of bilateral mammillary bodies destruction on lever pressing for food reward in the rabbit (author's transl)] Ohi T, et al. **No To Shinkei** 1981 Jan;33(1):85–94 (Eng. Abstr.) **(Jpn)**

REYE'S SYNDROME

Reye's syndrome: a clinical review. Crocker JF, et al. **Can Med Assoc J** 1981 Feb 15;124(4):375–82, 425 (85 ref.)

BLOOD

Total alpha-amino acid nitrogen quantification as prognosticator in Reye's syndrome. McArthur BS, et al. **Am J Dis Child** 1981 Aug;135(8):765–6

CHEMICALLY INDUCED

Margosa oil poisoning as a cause of Reye's syndrome. Sinniah D, et al. **Lancet** 1981 Feb 28;1(8218):487–9

Aflatoxin and Reye's syndrome: a case control study. Nelson DB, et al. **Pediatrics** 1980 Dec;66(6):865–9

Reye's syndrome and salicylate use. Starko KM, et al. **Pediatrics** 1980 Dec;66(6):859–64

COMPLICATIONS

Reye's syndrome and pancreatitis [letter] Gilboa N. **Am J Dis Child** 1980 Sep;134(9):903

Reye's syndrome [letter] Muntean W. **Am J Dis Child** 1980 Oct;134(10):999

Pancreatitis in Reye's syndrome [editorial] Banks PA. **J Clin Gastroenterol** 1981 Jun;3(2):201–2

Pancreatitis in patients with Reye's syndrome. Glassman M, et al. **J Clin Gastroenterol** 1981 Jun;3(2):165–9

Reye syndrome complicated by a generalized herpes simplex type I infection. Chalhub EG, et al. **J Pediatr** 1981 Jan; 98(1):73–6

Primary Epstein-Barr virus infection in association with Reye syndrome. Fleisher G, et al. **J Pediatr** 1980 Dec; 97(6):935–7

Twin siblings with a Reye's-like syndrome associated with an abnormal organic aciduria, hypoglycemia, diarrhea, and vomiting with close similarities to Jamaican vomiting sickness. Chalmers RA, et al. **Pediatr Res** 1980 Oct; 14(10):1097–1103

DIAGNOSIS

Reye's syndrome; diagnosis by muscle biopsy? Shapira Y, et al. **Arch Dis Child** 1981 Apr;56(4):287–91

Reye's syndrome: an update for the practicing physician. Volk DM. **Clin Pediatr (Phila)** 1981 Aug;20(8):505–11

Recurrent Reye's syndrome without liver lipid deposition. Cox KL, et al. **Hosp Pract** 1981 Feb;16(2):45–51

Reye-like syndrome associated with use of insect repellent in a presumed heterozygote for ornithine carbamoyl transferase deficiency. Heick HM, et al. **J Pediatr** 1980 Sep;97(3):471–3

Amino acid pattern in Reye syndrome: comparison with clinically similar entities. Romshe CA, et al. **J Pediatr** 1981 May;98(5):788–90

Reye's syndrome simulacra in liver of mice after treatment with chemical agents and encephalomyocarditis virus. Hug G, et al. **Lab Invest** 1981 Jul;45(1):89–109

Reye's syndrome--1980. Dobrin RS. **Med Times** 1980 Sep; 108(9):60 1s–3s, 9s–10s, 15s–16s, passim

Systemic carnitine deficiency--a treatable inherited lipid-storage disease presenting as Reye's syndrome. Chapoy PR, et al. **N Engl J Med** 1980 Dec 11; 303(24):1389–94

[Systemic carnitine deficiency: its place in Reye's syndrome (author's transl)] Chapoy P, et al. **Nouv Presse Med** 1981 Feb 21;10(7):499–502 (Eng. Abstr.) **(Fre)**

[Reye's syndrome. New therapeutical and symptomatological

aspects] Hartemann E. **Pediatrie** 1980 Sep;35(6):553–6 **(Fre)**

[Reye's syndrome (author's transl)] Schröder H, et al. **Monatsschr Kinderheilkd** 1981 Mar;129(3):171–4 (Eng. Abstr.) **(Ger)**

[Case of Reye's syndrome in a 1-day-old baby] Majewski A. **Wiad Lek** 1980 Jul 1;33(13):1097–8 (Eng. Abstr.) **(Pol)**

[Diagnostic problems in Reye's syndrome] Jiménez D, et al. **Rev Chil Pediatr** 1980 Nov-Dec;51(6):410–3 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Comparison of cytosolic and mitochondrial hepatic enzyme alterations in Reye's syndrome. Mitchell RA, et al. **Pediatr Res** 1980 Nov;14(11):1216–21

ETIOLOGY

Adult Reye's syndrome after dengue. Terry SI, et al. **Gut** 1980 May;21(5):436–8

From the National Institute of Allergy and Infectious Diseases: summary of a workshop on influenza B viruses and Reye's syndrome. LaMontagne JR. **J Infect Dis** 1980 Sep;142(3):452–65

FAMILIAL & GENETIC

Reye's syndrome in three siblings. Association with type A influenza infection. Wilson R, et al. **Am J Dis Child** 1980 Nov;134(11):1032–4

IMMUNOLOGY

Hypocomplementemia in Reye syndrome: relationship to disease stage, circulating immune complexes, and C3b amplification loop protein synthesis. Marder HK, et al. **Pediatr Res** 1981 Apr;15(4 Pt 1):362–5

METABOLISM

Variations in glycerol kinetics in Reye's syndrome. Nahata MC, et al. **Clin Pharmacol Ther** 1981 Jun;29(6):782–7

Reye syndrome: serum-induced alterations in brain mitochondrial function are blocked by fatty-acid-free albumin [letter] Aprille JR. **Neurology (NY)** 1981 Feb; 31(2):230–2

MORTALITY

Mortality due to Reye's syndrome in Michigan: distribution and longitudinal trends. Luscombe FA, et al. **J Infect Dis** 1980 Sep;142(3):363–71

Influenza A virus and Reye's syndrome in adults. Davis LE, et al. **J Neurol Neurosurg Psychiatry** 1980 Jun;43(6):516–21

Research, improved care lowering Reye's Syndrome death rate. Smith M. **Mich Med** 1980 Jun;79(17):319–20

OCCURRENCE

Reye syndrome in Ohio, 1973–1977. Sullivan-Bolyai JZ, et al. **Am J Epidemiol** 1980 Nov;112(5):629–38

Reye syndrome--Ohio, Michigan. **Conn Med** 1981 Jan; 45(1):37–8

An epidemic of Reye syndrome associated with influenza A (H1N1) in Colorado. Halsey NA, et al. **J Pediatr** 1980 Oct;97(4):535–9

[Reye's syndrome-an expanding disease?] Jonsson M, et al. **Lakartidningen** 1980 Jun 4;77(23):2202–4 (Eng. Abstr.) **(Swe)**

PATHOLOGY

Reye's syndrome. Gray RE, et al. **J Miss State Med Assoc** 1980 Oct;21(10):211–3

[Reye's syndrome: anatomopathologic and clinical analysis of six necropsies (author's transl)] Alves VA, et al. **AMB** 1979 Dec;25(12):440–4 (Eng. Abstr.) **(Por)**

[Reye's syndrome. Presentation of 2 cases] D'Andretta Neto C, et al. **AMB** 1980 Apr;26(4):143–5 (Eng. Abstr.) **(Por)**

PHYSIOPATHOLOGY

Intracranial pressure elevations during octanoate infusion in rabbits: an experimental model of Reye's syndrome. Trauner DA, et al. **Pediatr Res** 1981 Aug;15(8):1097–9

[Reye's syndrome. Report of two cases (author's transl)] Unal D, et al. **Anesth Analg (Paris)** 1979;36(11–12):517–24 (Eng. Abstr.) **(Fre)**

THERAPY

Treatment of Reye syndrome--importance of clinical staging. Tomasi LG. **Ann Neurol** 1980 Aug;8(2):201–2

Development of Reye's syndrome protocol in the Hamilton health region [letter] Hurley RM. **Can Med Assoc J** 1980 Jun 21;122(12):1351, 1354

Intracranial pressure monitoring in Reye's syndrome. Haller J. **Hosp Pract** 1980 Feb;15(2):101–8

Lowering of intracranial pressure in Reye's syndrome by sensory stimulation [letter] Pollack LD, et al. **N Engl J Med** 1981 Mar 19;304(12):732

Reye syndrome: a predictably curable disease. Boutros AR, et al. **Pediatr Clin North Am** 1980 Aug;27(3):539–52

RH FACTORS see **RH-HR BLOOD-GROUP SYSTEM**

RH-HR BLOOD-GROUP SYSTEM

Rh-D factor in trophoblastic tumors: a possible cause of the high incidence in Asia. Tomoda Y, et al. **Am J Obstet Gynecol** 1981 Mar 15;139(6):742–3

The importance of the rhesus c factor in determining possible future allergic disease in children. de Montis G. **Ann Allergy** 1981 Sep;47(3):171–2

Effects of modulating erythrocyte membrane cholesterol on Rho(D) antigen expression. Basu MK, et al. **Biochem Biophys Res Commun** 1980 Jul 31;95(2):887–93

Deaths from rhesus haemolytic disease in England and Wales in 1978: accuracy of records and assessment of anti-D prophylaxis. Clarke C, et al. **Br Med J** 1980 Sep 20; 281(6243):781–2

Erythrocytes coated with anti-Rh Ripley react with both the T and the non-T lymphocytes active in antibody-dependent cell-mediated cytotoxicity. Dobloug JH, et al. **Clin Immunol Immunopathol** 1980 Sep;17(1):102–9

Anti-D-coated Rh-positive red cells will bind the first component of the complement pathway, C1q. Hughes-Jones N, et al. **FEBS Lett** 1981 Jun 15; 128(2):318–20

Chimpanzee R-C-E-F blood group system: a counterpart of the human Rh-Hr blood groups. Socha WW, et al. **Folia Primatol (Basel)** 1980;33(3):172–88

Kala-azar in relation to ABO and Rhesus blood groups. Chatterjee SN, et al. **Indian J Pathol Microbiol** 1980 Apr; 23(2):119–23

Nonantibody binding of serum proteins to 5S anti-Rh fragments produced by chymotrypsin. Waller M, et al. **Int Arch Allergy Appl Immunol** 1981;66(1):59–67

Distribution of blood groups in Guntur district of Andhra Pradesh. Sarma GY. **J Indian Med Assoc** 1980 Jul 16; 75(2):28–30

Antenatal anti-D prophylaxis [letter] Bowman KM. **Lancet** 1980 Dec 20-27;2(8208–8209):1372

Sound boards. Rh immunoprophylaxis: is antepartum therapy desirable? Nusbacher J, et al. **N Engl J Med** 1980 Oct 16; 303(16):935–7

Some data on Esp and Wra antigens: preliminary report. Valbonesi M, et al. **Riv Emoter Immunoematol** 1979; 26(3–4):120–4

Production of human IgM anti-D in tissue culture by EB-virus-transformed lymphocytes. Boylston AW, et al. **Scand J Immunol** 1980;12(4):355–8

Rhesus incompatibility and aplastic anemia as the consequence of split chimerism after bone-marrow transplantation for severe combined immunodeficiency. Niethammer D, et al. **Thymus** 1980 Sep;2(2):75–82

Estimation of anti-D IgG in red blood cell eluates using the specific radioactivity of 125I-labeled IgG: effect of unlabeled, cytophilic IgG. Masouredis SP, et al. **Transfusion** 1981 Jul-Aug;21(4):377–83

[ABO and Rh blood group factors in thyroid gland diseases] Klechova L, et al. **Vutr Boles** 1980;19(4):75–9 (Eng. Abstr.) **(Bul)**

[Rhesus immunoprophylaxis n in Denmark] Jørgensen J. **Ugeskr Laeger** 1981 Jan 26;143(5):282–3 **(Dan)**

[Rhesus immunoprophylaxis with 200 mu-g anti-D immunoglobulin] Trolle GB. **Ugeskr Laeger** 1981 Jan 26; 143(5):261–2 (Eng. Abstr.) **(Dan)**

[Sinusoidal fetal heart rhythm (author's transl)] Romanini C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(4):455–60 (Eng. Abstr.) **(Fre)**

[Erythrocyte antibodies in immunoglobulin preparations (letter)] Ballowitz L, et al. **Blut** 1981 May;42(5):323–4 **(Ger)**

[Results of artificial immunization of Rh-negative persons for the production of anti-D(RhO)-antibodies] Uhlig R, et al. **Folia Haematol (Leipz)** 1980;107(1):152–60 **(Ger)**

[Rh isoimmunization: experience with and critical analysis of recent diagnostic and therapeutic criteria] Bellati U, et al. **Ann Ostet Ginecol Med Perinat** 1981;102(2):84–94 (Eng. Abstr.) **(Ita)**

[Alpha-fetoprotein in the amniotic fluid in pregnancies at high risk for congenital fetal defect and Rh isoimmunization] Brambati B, et al. **Ann Ostet Ginecol Med Perinat** 1981;102(2):75–83 (Eng. Abstr.) **(Ita)**

[Anti-D isoimmunization: cases at the L. Mangiagalli Obstetrical and Gynecological Clinic I from June 1974 to December 1978. Perinatal results] Brambati B, et al. **Ann Ostet Ginecol Med Perinat** 1980 Jul-Aug; 101(4):225–34 (Eng. Abstr.) **(Ita)**

[Parameters of fetal maturity in Rh-isoimmunization (author's transl)] Paternoster D, et al. **Ann Sclavo** 1980 Sep-Oct; 22(5):776–85 (Eng. Abstr.) **(Ita)**

[Association between ABO blood groups, cholelithiasis and Gilbert's syndrome] Orlando R, et al. **Minerva Dietol Gastroenterol** 1981 Jan-Mar;27(1):47–50 (Eng. Abstr.) **(Ita)**

[Value of cardiotocography for detection of fetal risk in blood group incompatibility] Cwojdziński Z, et al. **Ginekol Pol** 1980 Sep;51(9):831–7 (Eng. Abstr.) **(Pol)**

[Hemolytic disease of the newborn as a result of maternal sensitization with Cw antigen] Musiałowicz J, et al. **Pol Tyg Lek** 1980 Oct 20;35(40):1533–4 (Eng. Abstr.) **(Pol)**

[ABO and Rh blood groups in cardiovascular pathology] Meshalkin EN, et al. **Kardiologiia** 1981 Apr;21(4):46–50 (Eng. Abstr.) **(Rus)**

[ABO blood groups, Rh affiliation and blood coagulability in arteriosclerosis obliterans] Chubar' SV. **Vrach Delo** 1980 Sep;(9):83–6 (Eng. Abstr.) **(Rus)**

[Anti-c and anti-Vel antibodies as causes of post-transfusion haemolytic reaction with acute renal failure--two case reports (author's transl)] Mydlik M, et al. **Cas Lek Cesk** 1980 Aug 22;119(33–34):894–7 (Eng. Abstr.) **(Slo)**

GENETICS

Prevention of Rh immunization. de Almeida JM. **Acta Paediatr Scand** 1980 Nov;69(6):777–8

Linkage equilibrium and disequilibrium in human population studies. Mourant AE. **Ann Hum Biol** 1980 Mar-Apr; 7(2):109–14

Statistical study of the Fisher-Race model for human Rh genetics. Jolley SG, et al. **Immunol Commun** 1980; 9(5):427–36

The rare Rh haplotypes -D- and --- in a family with A -D-/--- propositus. Kendrick L, et al. **J Immunogenet** 1981 Jun;8(3):243–7

Genetic association in infertility: ABO, Rh (subtypes), Lea blood groups, G6PD deficiency and haemoglobin types. Saha N, et al. **Singapore Med J** 1981 Feb;22(1):16–9

A second homozygous .D. [letter] Skradski K, et al. **Transfusion** 1981 Jul-Aug;21(4):472

Anti-Rh41, a new Rh antibody found in association with an abnormal expression of chromosome 1 genetic markers. Svoboda RK, et al. **Transfusion** 1981 Mar-Apr;21(2):150–6

A family in which the targett (Rh:40) antigen is carried with R0 (-D-). Humphreys J, et al. **Vox Sang** 1980 Nov; 39(5):277–81

On recent observations in the rhesus blood group system. I. A weak expression of the Rh antigen e. II. Finding of the rare Rh antigen Cx. Henke J, et al. **Z Rechtsmed** 1981; 86(4):255–9

[Interrelation of chronic suppurative otitis media and genetic blood markers] Grigor'ev VP, et al. **Vestn Otorinolaringol** 1981 Mar-Apr;(2):13–5 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Prenatal diagnosis: too little control (Part II) [editorial] Karp LE. **Am J Med Genet** 1980;7(1):1–3

Rh isoimmunization: a 24 year experience at Duke University Medical Center. Gall SA, et al. **Am J Obstet Gynecol** 1981 Aug 15;140(8):902–8

Rh immunoglobulin utilization after ectopic pregnancy. Grimes DA, et al. **Am J Obstet Gynecol** 1981 Jun 1; 140(3):246–9

Rh hemolytic disease of the newborn: using incidence observations to evaluate the use of RH immune globulin. Adams MM, et al. **Am J Public Health** 1981 Sep; 71(9):1031–5

Study of blood groups and rhesus isoimmunization in antenatal cases. Bhatnagar DP, et al. **Anthropol Anz** 1980 Jun;38(2):148–53

Automatic Marsh method for detection and identification of erythrocyte antibodies in patients and blood donors. Michael-Araszkiewicz P, et al. **Arch Immunol Ther Exp (Warsz)** 1980;28(2):219–24

Assessment of complement binding by anti-D and anti-M antibodies employing labelled antiglobulin antibodies. Freedman J, et al. **Br J Haematol** 1980 Jun;45(2):309–18

ADCC (K-cell) lysis of human erythrocytes sensitized with rhesus alloantibodies. III. Comparison of IgG anti-D agglutinating and lytic (ADCC) activity and the role of IgG subclasses. Urbaniak SJ, et al. **Br J Haematol** 1980 Nov;46(3):447–53

Red cell antibodies detected in antenatal tests on rhesus positive women in South and Mid Wales, 1948–1978. Hardy J, et al. **Br J Obstet Gynaecol** 1981 Feb;88(2):91–100

Adverse effect of plasma exchange on anti-D production in rhesus immunisation owing to removal of inhibitory factors. Barclay GR, et al. **Br Med J** 1980 Jun 28; 280(6231):1569–71

Effect of plasma exchange in rhesus immunisation [letter] Tovey D, et al. **Br Med J** 1980 Aug 2;281(6236):387–8

Prevention of haemolytic diseases of the newborn due to anti-D [editorial] **Br Med J [Clin Res]** 1981 Feb 28; 282(6265):676–7

Comparative risks of rhesus autoimmunisation in two different methods of mid-trimester abortion. Brewer C, et al. **Br Med J [Clin Res]** 1981 Jun 13;282(6280):1929–30

Prevention of haemolytic disease of the newborn due to anti-D [letter] Tovey G, et al. **Br Med J [Clin Res]** 1981 Jul 11;283(6248):142

WinRho: Rh immune globulin prepared by ion exchange for intravenous use. Bowman JM, et al. **Can Med Assoc J** 1980 Dec 6;123(11):1121–7

A canadian christmas [editorial] Sherrington AM. **Can Med Assoc J** 1980 Dec 6;123(11):1089–91

Ultrasound in the evaluation and management of the isoimmunized pregnancy. Weiner S, et al. **JCU** 1981 Jul-Aug;9(6):315–23

Demonstration of the dosage effect of Rho (D) antigens on human red blood cells by an EA rosette assay. Horita M, et al. **Kurume Med J** 1980;27(2):85–92

Determination of homozygote vs heterozygote of blood group antigens with protein A. Loren A, et al. **Kurume Med J** 1980;27(2):71–7

Demonstration of dose response with immunobeads in rosette forming cell counts using homozygote and heterozygote of the Rho (D) antigen. Matsuo Y, et al. **Kurume Med J** 1980;27(2):79–83

Antenatal anti–D prophylaxis [letter] Bowman KM. **Lancet** 1980 Dec 20–27;2(8208–8209):1372

Should anti–D immunoglobulin be given antenatally? Tovey GH. **Lancet** 1980 Aug 30;2(8192):466–8

A case for the antenatal administration of anti–D immunoglobulin to primigravidae. Tovey LA, et al. **Lancet** 1981 Apr 18;1(8225):878–81

Rh sensitization after genetic amniocentesis [letter] Hensleigh PA, et al. **Obstet Gynecol** 1981 Jul;58(1):136

Rh sensitization after genetic amniocentesis. Hill LM, et al. **Obstet Gynecol** 1980 Oct;56(4):459–61

Intrapartum fetomaternal bleeding in Rh–negative women. Lloyd LK, et al. **Obstet Gynecol** 1980 Sep;56(3):285–8

Anti–Rho(D) IgG binds to band 3 glycoprotein of the human erythrocyte membrane. Victoria EJ, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):2898–902

The role of membrane phospholipid in expression of erythrocyte RhO(D) antigen activity. Plapp FV, et al. **Proc Soc Exp Biol Med** 1980 Sep;164(4):561–8

Theoretical model of epuration by plasma exchange. Application to Anti–Rh 'D' immunisation. Cregut R, et al. **Rev Fr Transfus** 1980 Jul;23(3):365–71

Autoanalyzer quantification of anti–D: results of an international proficiency survey. Moore BP, et al. **Rev Fr Transfus** 1980 Jul;23(3):319–26

Allo antibodies in partially silent Rh phenotypes. Evidence for a possibly new high frequency Rh antigen. Perrier P, et al. **Rev Fr Transfus** 1980 Jul;23(3):327–39

Antigen Nou. A new high frequency Rh antigen. Habibi B, et al. **Rev Fr Transfus Immunohematol** 1981 Feb; 24(1):117–20

Rhesus and other blood group incompatibilities in pregnancy. Gunston KD, et al. **S Afr Med J** 1980 Oct 18;58(16):639–41

Fetal death due to extreme maternal Rh immune augmentation. Branch DR. **Transfusion** 1981 May–Jun; 21(3):281–4

On the incidence of antibodies to the Rh antigens G, rhi(Ce), C, and CG in sera containing anti–CD or anti–C. Issitt PD, et al. **Transfusion** 1981 Jul–Aug;21(4):412–8

A successful program of immunizing Rh–negative male volunteers for anti–D production using frozen/thawed blood. Urbaniak SJ, et al. **Transfusion** 1981 Jan–Feb; 21(1):64–9

Prevention of rhesus (D) immunisation––some causes of failure in Northern Ireland. McClelland WM, et al. **Ulster Med J** 1980;49(2):148–52

Ripley–like serum and other anti–Rh sera in detection of Fc receptor–bearing human lymphocytes. Maślanka K, et al. **Vox Sang** 1981 Apr;40(4):273–7

Suppression of early rhesus sensitization by passive anti–D immunoglobulin: suppression of early rhesus sensitization. Tovey LA, et al. **Vox Sang** 1980 Sep;39(3):149–52

[Severe Rh–isoimmunization and intensive plasma exchange during pregnancy] Heyns AD, et al. **S Afr Med J** 1980 Nov 29;58(22):884–8 (Eng. Abstr.) **(Afr)**

[Hemolytic anemia with anti–N and anti–e autoantibodies] Kout M, et al. **Vnitr Lek** 1981 Jun;27(6):592–7 (Eng. Abstr.) **(Cze)**

[Accidental case delayed by anti–D allo–immunization in a patient suffering from multiple traumatic injuries. One case (author's transl)] Haberer JP, et al. **Anesth Analg (Paris)** 1981;38(5–6):271–4 (Eng. Abstr.) **(Fre)**

[Restimulation of anti–rhesus antibodies and anti–HLA immunization] Tongio MM, et al. **Rev Fr Transfus Immunohematol** 1980 Dec;23(6):653–9 (Eng. Abstr.) **(Fre)**

[Prenatal immunological research on hemolytic disease of the newborn] Gota F, et al. **Arch Sci Med (Torino)** 1980 Oct–Dec;137(4):563–5 (Eng. Abstr.) **(Ita)**

[Incidence of anti–Rho(D) antibody production in Japanese Rho(D)–negative women by Rh incompatibility between mother and fetus, and prognosis of the infants (author's transl)] Izawa H, et al. **Acta Obstet Gynaecol Jpn** 1981 Feb;33(2):201–6 (Eng. Abstr.) **(Jpn)**

[Rh(D)–immunization in pregnancy] Nordhagen R. **Tidsskr Nor Laegeforen** 1981 May;101(15):934–7 (Eng. Abstr.) **(Nor)**

[Theoretical foundations of serotherapy in vitreous haemorrhages (author's transl)] Morawiecki J. **Klin Oczna** 1980 May;82(5):253–4 (Eng. Abstr.) **(Pol)**

[Use of E. coli for absorbing natural blood serum isohemagglutinins] Danilova TN, et al. **Lab Delo** 1980; (8):458–60 (Eng. Abstr.) **(Rus)**

[Obtaining dry antirhesus sera for an express method of determining Rh classification] Klimova KN, et al. **Lab Delo** 1980;(7):436–8 (Eng. Abstr.) **(Rus)**

[Correlation between ABO and Rh system blood groups and the presence of antibodies to Plasmodium malariae] Lysenko AIa, et al. **Med Parazitol (Mosk)** 1980 Sep–Oct; 49(5):48–51 (Eng. Abstr.) **(Rus)**

[Results of determining the health status indices of donors after rhesus immunization] Klimova KN, et al. **Probl Gematol Pereliv Krovi** 1980 Sep;25(9):37–9 (Eng. Abstr.) **(Rus)**

[Immunological status of women with HL–A and rhesus sensitization] Zaĭtseva GA, et al. **Probl Gematol Pereliv Krovi** 1980 Sep;25(9):35–7 (Eng. Abstr.) **(Rus)**

[Sensitization to Cw antigen] Jelatancev B, et al. **Bilt Hematol Transfuz** 1979;7(1):77–8 (Eng. Abstr.) **(Ser)**

THERAPEUTIC USE

Rh immune globulin prepared by ion exchange [letter] O'Riordan JP, et al. **Can Med Assoc J** 1981 May 15; 124(10):1258–1260

RHABDITOIDEA

GROWTH & DEVELOPMENT

Development of Pelodera strongyloides (Schneider, 1860) Schneider, 1866 (Nematoda: Rhabditidae) in culture. Cliff GM, et al. **J Helminthol** 1980 Jun;54(2):135–46

RHABDOMYOMA

COMPLICATIONS

Hydrops fetalis due to congenital cardiac rhabdomyoma. Case report. Soltan MH, et al. **Br J Obstet Gynaecol** 1981 Jul;88(7):771–3

Solitary rhabdomyoma of the heart. Clinically silent case with sudden, unexpected death in an 11–month–old boy. Böhm N, et al. **Eur J Pediatr** 1980 Aug;134(2):167–72

DIAGNOSIS

Rhabdomyoma of the heart in a newborn infant. Diagnosis by echocardiography. Milner S, et al. **Br Heart J** 1980 Aug;44(2):224–7

Primary heart tumors in infancy and childhood. Report of four cases and review of literature. Schmaltz AA, et al. **Cardiology** 1981;67(1):12–22

[Primary heart neoplasms in children] Giżycka I, et al. **Pol Przegl Chir** 1980 Sep;52(9):807–17 (Eng. Abstr.) **(Pol)**

MORTALITY

Sudden unexpected death due to asymptomatic cardiac rhabdomyoma. Violette EJ, et al. **J Forensic Sci** 1981 Jul; 26(3):599–604

PATHOLOGY

Multifocal adult rhabdomyoma. Report of a case and review of the literature. Neville BW, et al. **Arch Otolaryngol** 1981 Mar;107(3):175–8

Meningeal rhabdomyomatosis [letter] Jarrell HR, et al. **Arch Pathol Lab Med** 1981 Jul;105(7):387

Vaginal rhabdomyoma. Chabrel CM, et al. **Histopathology** 1980 Nov;4(6):645–51

RADIOGRAPHY

[Mural left ventricular diverticulum combined with pseudorhabdomyoma] Strauss HJ, et al. **ROEFO** 1980 Jun; 132(6):738–9 **(Ger)**

ULTRASTRUCTURE

New fine structural features of cardiac rhabdomyoma: report of a case. Bruni C, et al. **Cancer** 1980 Nov 1;46(9):2068–73

RHABDOMYOSARCOMA

ANALYSIS

Intracellular myoglobin––a specific marker for skeletal muscle differentiation in soft tissue sarcomas. An immunoperoxidase study. Corson JM, et al. **Am J Pathol** 1981 Jun;103(3):384–9

BLOOD

Low grade intravascular coagulation in rhabdomyosarcoma (a fibrinogen kinetic study in vivo). Goldschmidt B, et al. **Acta Paediatr Acad Sci Hung** 1981;22(1–2):19–24

BLOOD SUPPLY

Physiological effects of hyperthermia: response of capillary blood flow and structure to local tumor heating. Emami B, et al. **Radiology** 1980 Dec;137(3):805–9

COMPLICATIONS

[Neurofibromatosis associated with perianal rhabdomyosarcoma (author's transl)] Molina J, et al. **An Esp Pediatr** 1980 Jun;13(6):529–32 (Eng. Abstr.) **(Spa)**

CONGENITAL

[Congenital hepatoblastoma with a rhabdomyoblastic component] Shabanov MA, et al. **Arkh Patol** 1981; 43(1):73–7 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Primary pulmonary rhabdomyosarcoma in childhood. Thomas WJ, et al. **Am J Dis Child** 1981 May;135(5):469–71

Primary heart tumors in infancy and childhood. Report of four cases and review of literature. Schmaltz AA, et al. **Cardiology** 1981;67(1):12–22

Rhabdomyosarcoma: report of a case with involvement of the angle of the mandible. Pap GS. **Int J Oral Surg** 1980 Dec;9(6):491–3

Ocular pathology for clinicians. 8. Orbital cellulitis. Macy JI, et al. **Ophthalmology (Rochester)** 1980 Dec; 87(12):1309–13

[Prostatic sarcoma] d'Udekem F, et al. **Acta Urol Belg** 1980 Jan;48(1):56–64 (Eng. Abstr.) **(Fre)**

[Rhabdomyosarcoma of the middle ear in children (apropos of a case)] Guerrier B, et al. **Rev Laryngol Otol Rhinol (Bord)** 1980 May–Jun; 101(5–6):263–9 (Eng. Abstr.) **(Fre)**

[Ultrasonography of orbital rhabdomyosarcoma in children (author's transl)] Rochels R, et al. **Ophthalmologica** 1980; 180(5):274–6 (Eng. Abstr.) **(Ger)**

[Clinical and diagnostic aspects of a case of temporal rhabdomyosarcoma] Cocchini F, et al. **Ann Laringol Otol Rinol Faringol** 1978 Jul–Aug; 76(4):437–45 (Eng. Abstr.) **(Ita)**

[Primary heart neoplasms in children] Giżycka I, et al. **Pol Przegl Chir** 1980 Sep;52(9):807–17 (Eng. Abstr.) **(Pol)**

[2 cases of bladder neoplasms in children] Moskvin VI, et al. **Vestn Khir** 1980 Jul;125(7):95–6 **(Rus)**

[Diagnosis of heart neoplasms] Sarnatskiĭ VM. **Vrach Delo** 1980 Dec;(12):38–41 **(Rus)**

DRUG THERAPY

Tolerance to single–dose dactinomycin in combination chemotherapy for solid tumors. Blatt J, et al. **Cancer Treat Rep** 1981 Jan–Feb;65(1–2):145–7

Chemotherapy in the management of childhood cancer of the head and neck: indications and results. Handler SD, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1980 Fall; 33(2):205–8

[Combined treatment of rhabdomyosarcoma in children] Armata J, et al. **Pol Tyg Lek** 1981 May 11;36(19):675–7 **(Pol)**

ENZYMOLOGY

[Changes in the LDH isoenzyme spectrum in transplantable rhabdomyosarcoma clones transplanted into the anterior chamber of the eye] Sanchakova EV, et al. **Tsitologiia** 1981 Jun;23(6):682–6 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

[Cytophotometric study of the progeny of clonogenic mouse rhabdomyosarcoma cells in lung tissue] Grigor'eva EG, et al. **Tsitologiia** 1980 Jun;22(6):670–5 (Eng. Abstr.) **(Rus)**

METABOLISM

The effect of anaesthesia on the radiosensitivity of rat intestine, foot skin and R–1 tumours. Kal HB, et al. **Int J Radiat Biol** 1980 Apr;37(4):447–50

MICROBIOLOGY

Routine enterovirus diagnosis in a human rhabdomyosarcoma cell line. Bell EJ, et al. **Bull WHO** 1980;58(3):423–8

PATHOLOGY

Fetal rhabdomyomatous nephroblastoma with a renal pelvic mass simulating sarcoma botryoides. Mahoney JP, et al. **Am J Surg Pathol** 1981 Apr;5(3):297–306

Factors inducing a loss of net negative surface charge on spleen cells of mice grafted with a slow–growing tumour. Vaillier D, et al. **Br J Cancer** 1980 Nov;42(5):722–9

Diffuse meningeal rhabdomyosarcoma. Smith MT, et al. **Cancer** 1981 Apr 15;47(8):2081–6

Pararectal rhabdomyosarcoma: report of a case. Sasajima K, et al. **Dis Colon Rectum** 1980 Nov–Dec;23(8):576–7

The pathology of head and neck tumors: fibroadipose tissue and skeletal muscle, Part 8. Batsakis JG, et al. **Head Neck Surg** 1980 Nov–Dec;3(2):145–68 (69 ref.)

Rhabdomyosarcoma of the trachea: first reported case. Ho KL, et al. **Hum Pathol** 1980 Sep;11(5 Suppl):572–4

Primary pulmonary rhabdomyosarcoma: a case report and review of the literature. Lee SH, et al. **Hum Pathol** 1981 Jan;12(1):92–5

Primary rhabdomyosarcoma of the cerebellum. Roy S, et al. **J Pathol** 1980 Nov;132(3):235–41

Primary sarcomas of the parotid gland. A clinicopathologic report of two cases. Volpe R, et al. **Pathologica** 1981 May–Jun;73(1025):541–6

Alveolar rhabdomyosarcoma of the greater omentum: a case report. van Rensburg LC. **S Afr J Surg** 1980 Jun;18(2):43–7

Paratesticular rhabdomyosarcoma in an adult. Kaneti J, et al. **Urology** 1980 Dec;16(6):614–6

Rhabdomyosarcoma of the oesophagus. Light and electron microscopic study of a rare tumor. Vartio T, et al. **Virchows Arch [Pathol Anat]** 1980;386(3):357–61

[Alveolar rhabdomyosarcoma originating from the greater omentum] Svanholm H. **Ugeskr Laeger** 1980 Sep 1; 142(36):2340–1 (Eng. Abstr.) **(Dan)**

[Cervico–facial rhabdomyosarcomas in children: apropos of a case] Morgon A, et al. **J Fr Otorhinolaryngol** 1981 Jan; 30(1):45–9 **(Fre)**

[A particular form of botryoid sarcoma in the cervix (author's transl)] Taleb Ahmed L, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(6):667–70 **(Fre)**

[The cellular and tissue patterns of so-called embryonal rhabdomyosarcomas. Histological and histochemical investigations (author's transl)] Katenkamp D, et al. **Zentralbl Allg Pathol** 1980;124(6):561–74 (Eng. Abstr.) **(Ger)**

[Botryoid sarcoma of the uterus. Clinical and anatomical considerations] Russo A, et al. **Minerva Ginecol** 1980 Nov; 32(11):987–90 (Eng. Abstr.) **(Ita)**

[Redifferentiation and a karyotypic structural change in populations of tumorous rhabdomyoblasts proliferating in the anterior chamber of the eye] Al-Rubay AK, et al. **Tsitologiia** 1981 Jun;23(6):647–53 (Eng. Abstr.) **(Rus)**

[Lymphoepithelioma of the pharynx in children] Lobo F, et al. **Bol Med Hosp Infant Mex** 1980 Sep–Oct; 37(5):1003–14 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

[Radiological examination of urogenital rhabdomyosarcoma in children--personal observations (author's transl)] Florczak-Mikicińska E, et al. **Pol Przegl Radiol** 1980 Sep–Oct;44(5):377–81 (Eng. Abstr.) **(Pol)**

[Computerized tomography in expanding lesions in the orbit (author's transl)] Ziemiański A. **Pol Przegl Radiol** 1980 Mar–Apr;44(2):115–8 (Eng. Abstr.) **(Pol)**

[Computerized tomography in the diagnosis of orbital neoplasms in children] Gabuniia RI, et al. **Pediatriia** 1980 Dec;(12):27–30 (Eng. Abstr.) **(Rus)**

[Botryoid sarcoma of the bladder] García Sánchez M, et al. **Actas Urol Esp** 1980 May–Jun;4(3):149–54 (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

Radionuclide scanning in children with rhabdomyosarcoma. Weinblatt ME, et al. **Med Pediatr Oncol** 1981;9(3):293–301

RADIOTHERAPY

Assessment of tumour response in a rat rhabdomyosarcoma. Curtis SB, et al. **Br J Cancer [Suppl]** 1980 Apr;41(Suppl 4):266–70

Factors contributing to tumour growth after irradiation. Jung H, et al. **Br J Cancer [Suppl]** 1980 Apr;41(Suppl 4):226–9

Cell survival and growth delay in rat R-1 tumours after radiation and vinblastine treatment. Kal HB, et al. **Br J Cancer [Suppl]** 1980 Apr;41(Suppl 4):275–8

Tumour response endpoints in the BA1112 rat sarcoma. Martin DF, et al. **Br J Cancer [Suppl]** 1980 Apr;41(Suppl 4):271–4

Parameningeal rhabdomyosarcoma in the young. Berry MP, et al. **Cancer** 1981 Jul 15;48(2):281–8

Partial synchronization of three solid animal tumours by X-rays. Zywietz F, et al. **Eur J Cancer** 1980 Nov; 16(11):1381–8

Local control of embryonal rhabdomyosarcoma in children by radiation therapy when combined with chemotherapy. Jereb B, et al. **Int J Radiat Oncol Biol Phys** 1980 Jul; 6(7):827–33

RBE values for radiation-induced growth delay in rat rhabdomyosarcoma tumors exposed to plateau and peak carbon, neon and argon ions. Tenforde TS, et al. **Int J Radiat Oncol Biol Phys** 1981 Feb;7(2):217–22

Effects of radiation on the developing dentition and supporting bone. Carl W, et al. **J Am Dent Assoc** 1980 Oct;101(4):646–8

SECONDARY

Breast metastases in children with rhabdomyosarcoma. Howarth CB, et al. **Cancer** 1980 Dec 1;46(11):2520–4

Rhabdomyosarcoma. (A case of bilateral orbital metastasis). Chaudhuri PM, et al. **Indian J Ophthalmol** 1980 Apr; 28(1):27–9

[Cerebral metastasis of a rhabdomyosarcoma. Review of the literature apropos of 1 case] Douvin D, et al. **Dakar Med** 1980;25(1):18–27 (Eng. Abstr.) **(Fre)**

SECRETION

Transforming growth factors produced by certain human tumor cells: polypeptides that interact with epidermal growth factor receptors. Todaro GJ, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5258–62

SURGERY

Five-year survival following cystoprostatectomy for embryonal rhabdomyosarcoma of the prostate. Rowse AD, et al. **Br J Urol** 1980 Aug;52(4):323

Rhabdomyosarcoma of the brain. Shin KH, et al. **Can J Surg** 1980 Nov;23(6):576–8

Scapulectomy for soft tissue sarcoma. Turnbull A, et al. **Can J Surg** 1981 Jan;24(1):37–8

Primary rhabdomyosarcoma of the right ventricle. Mahalu W, et al. **East Afr Med J** 1980 Oct;57(10):696–9

Advances in head and neck surgery in children. Cotton RT, et al. **Head Neck Surg** 1981 May–Jun;3(5):424–37 (86 ref.)

[Apropos of a case of juvenile rhabdomyosarcoma. Recovery 5 years later] Piquet JJ, et al. **Acta Otorhinolaryngol Belg** 1980;34(3):219–23 **(Fre)**

[Embryonal rhabdomyosarcoma of the orbit -- a totally extirpated case with long-term survival (author's transl)] Yamazaki H, et al. **Neurol Med Chir (Tokyo)** 1980 Dec; 20(12):1223–8 (Eng. Abstr.) **(Jpn)**

THERAPY

Combination therapy for laryngeal rhabdomyosarcoma. DeGroot TR, et al. **Am J Otolaryngol** 1980 Nov; 1(5):456–60

Rhabdomyosarcoma. Bizer LS. **Am J Surg** 1980 Nov; 140(5):687–91 (44 ref.)

Pediatric solid tumors II: Rhabdomyosarcoma. Wood TS, et al. **Ariz Med** 1981 Mar;38(3):188–90

Retroperitoneal rhabdomyosarcoma in children. Results of multimodality therapy. Ransom JL, et al. **Cancer** 1980 Mar 1;45(5):845–50

Rhabdomyosarcoma of head and neck in children. El Shennawy M, et al. **J Laryngol Otol** 1980 Jun;94(6):677–82

Prolonged remission of metastatic rhabdomyosarcoma: The use of chemotherapy and nutritional support. Balducci L, et al. **J Miss State Med Assoc** 1980 Sep;21(9):181–3

Prognostic variables in pediatric rhabdomyosarcoma before and after multi-modal therapy. Neifeld JP, et al. **J Pediatr Surg** 1979 Dec;14(6):699–703

Rhabdomyosarcoma of the bladder and prostate in children. McDougal WS, et al. **J Urol** 1980 Dec;124(6):882–5

Bleomycin infusions combined with radiotherapy in the treatment of inoperable esophageal cancer. Kolarić K, et al. **Tumori** 1980 Oct 31;66(5):615–21

Embryonal rhabdomyosarcoma of spermatic cord. Hoekstra HJ, et al. **Urology** 1980 Oct;16(4):360–3

Combined modality therapy with conservation of organ function in childhood genitourinary rhabdomyosarcoma. Middleton AW Jr, et al. **Urology** 1981 Jul;18(1):42–6

[Embryonal rhabdomyosarcoma of the oral cavity. Apropos of 3 cases] Abdelkafi A, et al. **Acta Otorhinolaryngol Belg** 1980;34(5):584–93 (Eng. Abstr.) **(Fre)**

[Resuts of treatment of rhabdomyosarcoma in children (author's transl)] Rivera Luna R, et al. **Rev Invest Clin** 1980 Jan–Mar;32(1):43–7 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Fetal rhabdomyomatous nephroblastoma with a renal pelvic mass simulating sarcoma botryoides. Mahoney JP, et al. **Am J Surg Pathol** 1981 Apr;5(3):297–306

Rhabdomyosarcoma in children: ultrastructural study of 31 cases. Mierau GW, et al. **Cancer** 1980 Nov 1;46(9):2035–40

Perineal rhabdomyosarcoma in a newborn child: pathological and biochemical studies with emphasis on contractile proteins. Hildebrand HF, et al. **J Clin Pathol** 1980 Sep; 33(9):823–9

Rhabdomyosarcoma of the maxillary antrum in an adult. A case report with ultrastructural observations. Kanegaonkar G, et al. **J Laryngol Otol** 1981 Aug;95(8):863–72

[Ultrastructural aspects of rhabdomyosarcoma. Description of a case] Pizzoli G, et al. **Arch Sci Med (Torino)** 1980 Oct–Dec;137(4):679–86 **(Ita)**

[Electron microscopic study of differentiation in rhabdomyoblast clone lines] Mosevich TN, et al. **Tsitologiia** 1980 Oct;22(10):1157–62 (Eng. Abstr.) **(Rus)**

[Mesenteric tumor (alveolar embryonal rhabdomyosarcoma)] Romero González E, et al. **Rev Esp Enferm Apar Dig** 1980 Aug;58(2):181–6 **(Spa)**

VETERINARY

Metastasizing rhabdomyosarcoma in a budgerigar. Raphael BL, et al. **J Am Vet Med Assoc** 1980 Nov 1;177(9):925–6

RHABDOVIRIDAE

Survey of virally mediated permeability changes. Foster KA, et al. **Biochem J** 1980 Sep 15;190(3):639–46

ANALYSIS

Ebola virus: identification of virion structural proteins. Kiley MP, et al. **J Gen Virol** 1980 Aug;49(2):333–41

Virion nucleic acid of Ebola virus. Regnery RL, et al. **J Virol** 1980 Nov;36(2):465–9

Phosphoproteins of spring viremia of carp virus. Roy P. **Virology** 1981 Jul 15;112(1):274–81

CLASSIFICATION

Physicochemical and serological characterization of two rhabdoviruses isolated from eels. Hill BJ, et al. **Intervirology** 1980;14(3–4):208–12

GENETICS

Viral hemorrhagic septicemia of rainbow trout: selection of a thermoresistant virus variant and comparison of polypeptide synthesis with the wild-type virus strain. de Kinkelin P, et al. **J Virol** 1980 Dec;36(3):652–8

GROWTH & DEVELOPMENT

Thermal inactivation of infectious hematopoietic necrosis and infectious pancreatic necrosis viruses. Gosting LH, et al. **Appl Environ Microbiol** 1981 Apr;41(4):1081–2

IHNV persistently infects chinook salmon embryo cells. Engelking HM, et al. **Virology** 1981 Feb;109(1):47–58

[IPN virus persistently infected fish cells: studies on growth rates of the cells and on the replication of egtvedvirus (author's transl)] Ahne W. **Zentralbl Bakteriol [A]** 1980 Mar;246(3):304–7 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Comparative study of the acquisition of antibody to Norwalk virus in pediatric populations. Cukor G, et al. **Infect Immun** 1980 Aug;29(2):822–3

Ecology of ebola virus: a first clue? Johnson KM, et al. **J Infect Dis** 1981 May;143(5):749–51

Marburg and Ebola virus antibodies in Kenyan primates [letter] Johnson BK, et al. **Lancet** 1981 Jun 27; 1(8235):1420–1

Inactivated vaccine for Ebola virus efficacious in guineapig model [letter] Lupton HW, et al. **Lancet** 1980 Dec 13; 2(8207):1294–5

[Preliminary note on the presence of antibodies to Ebola virus in the human population in the eastern part of the Central African Republic] Saluzzo JF, et al. **Bull Soc Pathol Exot Filiales** 1980 May–Jun;73(3):238–41 **(Fre)**

[Antibodies against the Marburg virus among human populations in the southeastern Central African Republic] Saluzzo JF, et al. **C R Acad Sci [D] (Paris)** 1981 Jan 5; 292(1):29–31 (Eng. Abstr.) **(Fre)**

ISOLATION & PURIFICATION

Plaque assay for Ebola virus. Moe JB, et al. **J Clin Microbiol** 1981 Apr;13(4):791–3

[Isolation of the Isfahan virus in Turkmenia] Gaidamovich SIa, et al. **Vopr Virusol** 1980 Sep–Oct;(5):618–20 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

A comparative study of strains of Ebola virus isolated from southern Sudan and northern Zaire in 1976. Bowen ET, et al. **J Med Virol** 1980;6(2):129–38

RADIATION EFFECTS

Inactivation of Ebola virus with 60Co irradiation. Lupton HW. **J Infect Dis** 1981 Feb;143(2):291

RHAMNOSE

ANALOGS & DERIVATIVES

Fluorinated carbohydrates as potential plasma-membrane modifiers and inhibitors: synthesis of 2-amino-2,6-dideoxy-6-fluoro-D-mannopyranose hydrochloride. Sharma M, et al. **Carbohydr Res** 1980 Aug 1;83(1):163–9

METABOLISM

Metabolism of L-fucose and L-rhamnose in Escherichia coli: differences in induction of propanediol oxidoreductase. Boronat A, et al. **J Bacteriol** 1981 Jul;147(1):181–5

TOXICITY

Mutagenicity of the L-rhamnose-ammonia-hydrogen sulfide Browning reaction mixture. Toda H, et al. **J Agric Food Chem** 1981 Mar–Apr;29(2):381–4

RHENIUM

DIAGNOSTIC USE

Dynamic lymphoscintigraphy with 99mTc (Re) sulfur colloid in pediatrics. Mussa GC, et al. **Panminerva Med** 1980 Jul–Sep;22(3):139–48

[Determination of scattered radiation and optimum discriminator adjustment of a single-channel analyzer for brain and liver scintigrams using the radionuclide (99m)Tc] Ertl S. **Radiobiol Radiother (Berl)** 1980;21(6):832–40 (Eng. Abstr.) **(Ger)**

[Clinical usefullness on accumulation of 99mTc-rhenium colloid in lymph nodes (author's transl)] Nagai K, et al. **Radioisotopes** 1980 Nov;29(11):549–51 **(Jpn)**

PHARMACODYNAMICS

Effects of pancreatic intraductal injection of a radioisotope in dogs. Devonec M, et al. **Transplant Proc** 1980 Dec;12(4 Suppl 2):141–4

RHEOGRAPHY see **PLETHYSMOGRAPHY, IMPEDANCE**

RHEOLOGY

see related

FLOWMETERS

Blood flow into vascular catheters of different size and number of sideholes. Model experiments with flush fluid injections. Dahlborn M, et al. **Acta Radiol [Diagn] (Stockh)** 1980;21(4):469–75

Sickle cell anemia as a rheologic disease. Horne MK 3d. **Am J Med** 1981 Feb;70(2):288–98 (86 ref.)

The influence of reflection artifacts on apparent phase velocity measurements in the trachea. Winter DC, et al. **Ann Biomed Eng** 1980;8(1):29–39

Are the Jarvik artificial ventricles limited by inflow resistance? Lioi AP, et al. **Artif Organs** 1981 May; 5(2):118–24

Mathematical analysis of the hysteresis rheogram of human

blood. Fabisiak W, et al. **Biorheology** 1980;17(4):391–6
Blood flow in capillary tubes: curvature and gravity effects. Hung TC, et al. **Biorheology** 1980;17(4):331–42
Theoretical analysis of pulsatile blood flow in small vessels. Iida N, et al. **Biorheology** 1980;17(4):377–84
Rheological behaviour of synovial fluids. Ly DP, et al. **Biorheology** 1980;17(4):321–9
Maxwell fluid behavior of blood at low shear rate. McMillan DE, et al. **Biorheology** 1980;17(4):343–54
Flow of blood in transfusion systems. Palosaari S, et al. **Biorheology** 1980;17(4):385–90
Hemorheology of turbulence. Stein PD, et al. **Biorheology** 1980;17(4):301–19 (114 ref.)
A hydrodynamical study of the flow in renal tubules. Radhakrishnamacharya G, et al. **Bull Math Biol** 1981; 43(2):151–63
Comments on flow through collapsible tubes at low Reynolds numbers [letter] Downey JM. **Circ Res** 1981 Feb; 48(2):299–301
Practical application of viscoelasticity measurements. Davis SS. **Eur J Respir Dis [Suppl]** 1980;61(110):141–56
Some biological components of bronchial mucus in relation to rheological properties. Hayem A, et al. **Eur J Respir Dis [Suppl]** 1980;61(110):27–31
Rheological requirements for optimal clearance of secretions: ciliary transport versus cough. King M. **Eur J Respir Dis [Suppl]** 1980;61(110):39–45
The parotid salivary gland rheogram. Makhnev VP. **Hum Physiol** 1979 Sep–Oct;5(5):703–4
Direct in vivo study of flowing blood–artificial surface interactions–an original application of dynamic isotopic techniques. Basse–Cathalinat B, et al. **Int J Appl Radiat Isot** 1980 Dec;31(12):747–51
Study and parameters identification of a rheological model for excised quiescent cardiac muscle. Capelo A, et al. **J Biomech** 1981;14(1):1–11
Analysis of non–linear pulsatile blood flow in arteries. Imaeda K, et al. **J Biomech** 1980;13(12):1007–21
Evaluation of a three point pressure method for the determination of arterial transmission characteristics. Li JK, et al. **J Biomech** 1980;13(12):1023–9
Saline and thermal dilution flow measurements: evaluation by means of an open hydraulic model. Valdez E, et al. **J Biomed Eng** 1981 Jan;3(1):53–6
Anders Jahre's medical prizes for 1980 (Björn Folkow, Fredrik Kiil, Jens F Rehfeld, Lars Terenius) Harboe M. **J Oslo City Hosp** 1980 Nov–Dec;30(11–12):137–43
New tilting disc cardiac valve prostheses. In vitro comparison of their hydrodynamic performance in the mitral position. Scotten LN, et al. **J Thorac Cardiovasc Surg** 1981 Jul;82(1):136–46
Hydrodynamic aspects of bladder–outlet obstruction: consequences of functional micturition disorders. Madersbacher H, et al. **Paraplegia** 1980 Oct;18(5):307–14
Comparative rheology of nucleated and non–nucleated red blood cells. I. Microrheology of avian erythrocytes during capillary flow. Gaehtgens P, et al. **Pfluegers Arch** 1981 Jun;390(3):278–82
Comparative rheology of nucleated and non–nucleated red blood cells. II. Rheological properties of avian red cells suspensions in narrow capillaries. Gaehtgens P, et al. **Pfluegers Arch** 1981 Jun;390(3):283–7
Transverse resonance in fluid–filled tubes with visco–elastic walls [letter] Bunn AE, et al. **Phys Med Biol** 1980 Sep; 25(5):942–5
Rheospirography for determination of respiratory volume. Scherzer W, et al. **Respiration** 1980;40(5):264–71
Haemodynamic findings after insertion of the Lillehei–Kaster valve in the mitral ostium. Uhrenholdt A, et al. **Scand J Thorac Cardiovasc Surg** 1980;14(2):185–9
Disturbed flow in models of branching vessels. Karino T, et al. **Trans Am Soc Artif Intern Organs** 1980;26:500–6
Pulsatile prosthetic valve flows. Phillips WM, et al. **Trans Am Soc Artif Intern Organs** 1980;26:43–9
[Practical use of rheology in quality testing of dosage forms] Stern P, et al. **Cesk Farm** 1980 Sep;29(7):254–9 (Eng. Abstr.) **(Cze)**
[Rheological effects of normovolemic hemodilution] Cozette P, et al. **Ann Anesthesiol Fr** 1979;20(9):775–83 (Eng. Abstr.) **(Fre)**
[Influence of microaggregate transfusion filters on the rheological properties of blood] Vieux–Rochat P, et al. **Ann Anesthesiol Fr** 1980;21(5):550–6 (Eng. Abstr.) **(Fre)**
[Hydrodynamic investigations in central venous catheters (author's transl)] Glocker R. **Biomed Tech (Berlin)** 1981 Apr;26(4):86–92 (Eng. Abstr.) **(Ger)**
[Hemorheologic examinations in pregnancy] Heilmann L. **Fortschr Med** 1981 Jul 23;99(27–28):1088–91 (Eng. Abstr.) **(Ger)**
[A rheological method for the measurement of red cell deformability (author's transl)] Heilmann L, et al. **Klin Wochenschr** 1981 Feb 16;59(4):181–5 (Eng. Abstr.) **(Ger)**
[Hemorheologic examinations of smokers. A review] Grigoleit HG, et al. **Med Welt** 1981 Mar 6;32(10):329 **(Ger)**
[Microcirculation and substance exchange through it—methods and basic informations—(2) Hemodynamics and rheology in the microcirculation (author's transl)] Oshima N. **Iyodenshi To Seitai Kogaku** 1980 Jun; 18(3):224–33 (59 ref.) **(Jpn)**
[Differential rheography—a way of increasing the information yield of rheograms] Sokoliuk AM, et al. **Fiziol Zh** 1980 Nov–Dec;26(6):844–6 **(Rus)**
[Causes for rheographic signal changes] Gal'perin IuM, et al. **Fiziol Zh SSSR** 1980 Oct;66(10):1506–15 (Eng. Abstr.) **(Rus)**

INSTRUMENTATION

In vitro estimation of tracheal mucous velocity: comparison of a solid and a liquid marker. Ahmed T, et al. **Bull Eur Physiopathol Respir** 1980 Jul–Aug;16(4):533–8
A piston pump for respiration simulation. Boutellier U, et al. **J Appl Physiol** 1981 Mar;50(3):663–4
Capillary pore rheology of erythrocytes. VI. The glass capillary array—effect of siliconization. Lingard PS. **Microvasc Res** 1981 May;21(3):393–5
Stem compensation of loop sensors for electromagnetic blood flow and vascular diameter measurement. Kolin A. **Pfluegers Arch** 1980 Jul;386(1):93–4

RHESUS BLOOD–GROUP SYSTEM see **RH–HR BLOOD–GROUP SYSTEM**

RHETINIC ACID see **GLYCYRRHETINIC ACID**

RHEUMATIC FEVER

BLOOD

Throat swab cultures and ASO titres in rheumatic fever in adolescents and adults. Attal HC, et al. **Indian Heart J** 1980 May–Jun;32(3):173–6
[Relation between changes in platelet count and acute articular rheumatism, with special reference to cardiac complications] Mignone F, et al. **Minerva Pediatr** 1981 Mar 31;33(6):261–6 (Eng. Abstr.) **(Ita)**
[Relation between C–reactive protein concentration and cardiac lesions in acute articular rheumatism] Lupu V, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1980 Jul–Sep; 29(3):233–6 (Eng. Abstr.) **(Rum)**

COMPLICATIONS

Renal lesions in acute rheumatic fever. Gibney R, et al. **Ann Intern Med** 1981 Mar;94(3):322–6
'Hook' erosions in Jaccoud's arthropathy. Pastershank SP, et al. **J Can Assoc Radiol** 1980 Sep;31(3):174–5
Rheumatic fever and its sequels in children. A follow–up study with HLA analysis. Leirisalo M, et al. **J Rheumatol** 1980 Jul–Aug;7(4):506–14
Rheumatic fever in children. A follow–up study with emphasis on cardiac sequelae. Chen SC, et al. **Jpn Heart J** 1981 Mar;22(2):167–72
Rheumatic constrictive pericarditis. A case report and review of the literature. Przybojewski JZ. **S Afr Med J** 1981 May 2;59(19):682–6
[A case of rheumatic fever wih Adams–Stokes seizure due to complete A–V block (author's transl)] Machii K, et al. **Kokyu To Junkan** 1980 Aug;28(8):931–5 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Rheumatic fever in Nigerian children. A prospective study of 66 patients. Okoroma EO, et al. **Am J Dis Child** 1981 Mar;135(3):236–8
Diagnosis of rheumatic fever obscured by liver disease. Nickeson RW, et al. **J Rheumatol** 1981 Jan–Feb;8(1):138–40
Acute rheumatic fever. A review of pathogenesis, diagnosis, and a modified approach to Jones criteria and management. Aryanpur Kashani I. **Paediatrician** 1981;10(1–3):158–76
Yersinia arthritis mimicking acute rheumatic fever. A case report. Forman MB, et al. **S Afr Med J** 1981 Apr 11; 59(16):576
[Differential diagnosis in juvenile rheumatic diseases] Eibl M. **Aktuel Probl Chir Orthop** 1981;15:103–7 **(Ger)**
[Rheumatic fever, seronegative and 'reactive' arthritis. Differential diagnosis] Vukotić D. **Srp Arh Celok Lek** 1981 Jul–Aug;108(7–8):791–800 (Eng. Abstr.) **(Scc)**
[Clinical characteristics and care of the rheumatic child in Cuba] Savio Benavides A, et al. **Bol Med Hosp Infant Mex** 1980 Jul–Aug;37(4):833–48 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Two studies of compliance with daily prophylaxis in rheumatic fever patients in Iowa. Ehmke DA, et al. **Am J Public Health** 1980 Nov;70(11):1189–93
[Levamisole and rheumatic fever] Céspedes de Gómez M, et al. **Alergia** 1980 Oct;27(4):177–91 (Eng. Abstr.) **(Spa)**

HISTORY

Maxwell Finland lecture. An adventure in the pathogenetic maze of rheumatic fever. McCarty M. **J Infect Dis** 1981 Mar;143(3):375–85 (36 ref.)

IMMUNOLOGY

Lymphocytes binding C–reactive protein and streptococcal membranes in acute rheumatic fever. Williams RC Jr, et al. **J Lab Clin Med** 1980 Nov;96(5):803–14
ASO, ASK and ADNase–B values rheumatic fever, rheumatic heart disease and other infections by hemolytic streptococcus. Watanabe N, et al. **Jpn Circ J** 1980 Oct; 44(10):808–9
Role of macrophage–dependent determinant selection in induction phase of streptococcal carditis. Dos Reis GA, et al. **Lancet** 1980 Oct 11;2(8198):777–9
Rheumatic fever, rheumatic heart disease, and the streptococcal connection: the role of streptococcal antigens cross–reactive with heart tissue. Kaplan MH. **Rev Infect Dis** 1979 Nov–Dec;1(6):988–86 (40 ref.)
[Quantitative changes of IgA in rheumatic fever. Comparison with antistreptolysins O, sedimentation speed, activated C protein and leukocyte levels (letter)] Kartsonas N, et al. **Nouv Presse Med** 1981 Jan 31;10(4):255 **(Fre)**
[Immunology and laboratory diagnosis in rheumatic fever] Scheinberg MA. **Arq Bras Cardiol** 1980 Sep;35(3):185–6 **(Por)**
[Circulating immune complexes in rheumatic fever] Riazantseva TA, et al. **Sov Med** 1981;(1):7–11 (Eng. Abstr.) **(Rus)**
[Immunochemical analysis of the cytoplasmic fraction of group A streptococci] Avdeeva ZhI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Dec;(12):43–7 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Streptococcal adherence to pharyngeal cells of children with acute rheumatic fever. Reed WP, et al. **J Infect Dis** 1980 Dec;142(6):803–10

OCCURRENCE

On rheumatic fever in children [letter] Aryanpur–Kashani I. **Am Heart J** 1980 Dec;100(6 Pt 1):942–3
Epidemiology of heart disease in school children in rural and urban areas. Vichitbandha P, et al. **J Med Assoc Thai** 1981 Jan;64(1):1–10
Studies of rheumatic fever, rheumatic heart disease and streptococcal infection of Si–Chang Island. Vichitbandha P, et al. **J Med Assoc Thai** 1981 Feb;64(2):64–8
Rheumatic fever in the West Kimberley. Patten BR. **Med J Aust** 1981 May 2;1(2 Suppl):11–5
Rheumatic fever in school children of Denver, Colorado. Wedum BG. **Public Health Rep** 1981 Mar–Apr; 96(2):157–61
Acute rheumatic fever in Mississippi: a survey of hospitalized cases, 1964 to 1973. Powell KE, et al. **South Med J** 1981 May;74(5):553–7
[Clinical analysis of 321 cases of acute rheumatic fever (author's transl)] Hu ZQ. **Chung Hua Nei Ko Tsa Chih** 1981 Jan;20(1):11–3 **(Chi)**
[Rheumatic and bacterial heart diseases. Frequency in adults] Kihm WD, et al. **ZFA (Stuttgart)** 1980 Nov 20; 56(32):2241–3 **(Ger)**
[Therapeutic advances and rheumatic fever. Their influence on the spread and development of the disease] Cervini C, et al. **Clin Ter** 1980 Apr 30;93(2):125–67 (136 ref.) (Eng. Abstr.) **(Ita)**
[Incidence of rheumatism among the Taimyr population and the role of environmental factors] Tsyganova GI, et al. **Vopr Revm** 1980 Oct–Dec;(4):46–9 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Probably fortuitous association of rheumatic fever and Reiter's syndrome. Gerster JC, et al. **Z Rheumatol** 1980 Sep–Oct;39(9–10):343–7

PHYSIOPATHOLOGY

Electrocardiographic and electrophysiological studies on arrhythmias following streptococcal infection in school children. Izumi Y, et al. **Jpn Circ J** 1980 Oct;44(10):814–6
[Clinical and experimental studies on rheumatic fever] Terawaki T. **Ryumachi** 1980 Dec;20(6):395–6 **(Jpn)**

PREVENTION & CONTROL

The community control of rheumatic fever and rheumatic heart disease: report of a WHO international cooperative project. Strasser T, et al. **Bull WHO** 1981;59(2):285–94
Primary prevention of acute rheumatic fever: Quo vadis? Bisno AL. **J Lab Clin Med** 1981 Sep;98(3):323–5
Proceedings of the IV Conference on Prevention for Rheumatic Fever and Rheumatic Heart Disease. January 13, 1979 Tower Hotel, Kyoto. **Jpn Circ J** 1980 Oct; 44(10):795–862
Control programmes for streptococcal disease among rural school children. Stanhope JM. **NZ Med J** 1980 Jul 23; 92(664):41–4
Current status of rheumatic fever control programs in the United States. Kaplan EL. **Public Health Rep** 1981 May–Jun;96(3):267–8
[Causes of the ineffectiveness of preventing recurrences of rheumatism with bicillin and means of improvement] Aksamentov GV, et al. **Vopr Revm** 1980 Oct–Dec;(4):49–52 (Eng. Abstr.) **(Rus)**

THERAPY

Plasmapheresis in treatment of rheumatic fever. Shiokawa Y, et al. **Jpn Circ J** 1980 Oct;44(10):797–800
[Current problems of acute rheumatic fever and chronic rheumatic heart disease among children in Poland] Wesołowska H, et al. **Z Aerztl Fortbild (Jena)** 1980 Aug 1;74(15):733–5 **(Ger)**

RHEUMATIC HEART DISEASE

Juvenile mitral stenosis [editorial] **JPMA** 1980 Nov; 30(11):241

[Status and developmental prospects of the pediatric cardiorheumatology service in the USSR] Kovanova NN, et al. **Pediatriia** 1981 Mar;(3):3–4 **(Rus)**

BLOOD

Coagulation studies in rheumatic heart disease. Toy JL, et al. **Br Heart J** 1980 Mar;43(3):301–5

[Relation between C-reactive protein concentration and cardiac lesions in acute articular rheumatism] Lupu V, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1980 Jul–Sep; 29(3):233–6 (Eng. Abstr.) **(Rum)**

[Thrombocytic step of blood coagulation in rheumatism] Gritsiuk AI, et al. **Ter Arkh** 1980;52(11):113–8 (Eng. Abstr.) **(Rus)**

[Enzymatic and nucleic acid content in primary rheumocarditis] Selivonenko VG. **Vrach Delo** 1980 Oct; (10):37–9 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Mycoplasma pneumoniae endocarditis. Popat K, et al. **Br Heart J** 1980 Jul;44(1):111–2

Giant Lambl's excrescences of papillary muscle and aortic valve: echocardiographic, angiographic, and pathologic findings. Cha SD, et al. **Clin Cardiol** 1981 Jan;4(1):51–4

Active rheumatic carditis as the cause of congestive heart failure in children. Saxena S, et al. **Indian Pediatr** 1980 Feb;17(2):155–62

Congestive heart failure in juvenile rheumatics. Agarwal BL, et al. **J Assoc Physicians India** 1980 Oct;28(10):349–53

Systemic thromboembolism in rheumatic heart disease. Mahapatra RK, et al. **Jpn Heart J** 1980 Nov;21(6):773–7

Management of cerebral embolism of cardiac origin. Easton JD, et al. **Stroke** 1980 Sep–Oct;11(5):433–42 (121 ref.)

Prognostic factors in childhood rheumatic disease. Jaiyesimi F, et al. **Trop Geogr Med** 1981 Mar;33(1):14–38

Childhood rheumatic heart disease in Nigeria. Jaiyesimi F, et al. **Trop Geogr Med** 1981 Mar;33(1):8–13

[Spontaneous return of sinus rhythm after 15 years of uninterrupted atrial fibrillation in a patient with serious rheumatic valvulopathy. Subsequent intermittent reappearance of the arrhythmia] Cecchetti G. **Minerva Cardioangiol** 1980 Dec;28(12):805–12 (Eng. Abstr.) **(Ita)**

[Surgical treatment of biliary lithiasis associated with acquired valvulopathy] Casale D, et al. **Minerva Chir** 1981 Apr 15;36(7):469–72 (Eng. Abstr.) **(Ita)**

[Acute rheumatic involvement of the 4 cardiac valves in a patient with tetralogy of Fallot] Mansur AJ, et al. **Arq Bras Cardiol** 1980 Dec;35(6):499–502 (Eng. Abstr.) **(Por)**

[Acute gastroduodenal ulcers after the correction of rheumatic heart defects] Krivchenia DIu, et al. **Khirurgiia (Mosk)** 1980 Sep;(9):31–4 **(Rus)**

[Disorders of external respiration in rheumatic heart defects] Markosian AA, et al. **Klin Med (Mosk)** 1980;58(11):69–72 (Eng. Abstr.) **(Rus)**

[Thromboses and embolisms in heart disease in children] Serbin VI, et al. **Pediatriia** 1981 Mar;(3):11–4 (Eng. Abstr.) **(Rus)**

[Cardiotonic activity of L-DOPA in the treatment of patients with chronic circulatory insufficiency] Khrustalev OA. **Ter Arkh** 1980;52(9):104–8 (Eng. Abstr.) **(Rus)**

[Emergency conditions in rheumatology] Matveĭkov GP, et al. **Ter Arkh** 1980;52(10):75–81 (Eng. Abstr.) **(Rus)**

[Aortic valve prosthesis, fever and uremia (clinical conference)] **Medicina (B Aires)** 1980 Sep–Oct;40(5):586–92 **(Spa)**

DIAGNOSIS

The informational value of new qualitative indices of orthogonal ECG in the study of children with rheumatic heart disease. Burba NE. **Adv Cardiol** 1981;28:234–5

Case report: trivalvular rheumatic stenosis: documentation of disease progression by serial cardiac catheterization. Gutner RN. **Am J Med Sci** 1980 Nov–Dec;280(3):185–91

Electrocardiograms of the month. Rubin IL, et al. **NY State J Med** 1981 Feb;81(2):199–200

[Rheumatic cardiopathy in childhood. Epidemiological aspects, and differential diagnostic problems as compared with congenital bicuspid aortic valve and mitral valve prolapse] Romano C, et al. **Minerva Med** 1980 Oct 6; 71(38):2751–7 (Eng. Abstr.) **(Ita)**

[Electro- and phonocardiographic changes in tonsillogenic cardiopathies and primary rheumocarditis] Borodina VI, et al. **Kardiologiia** 1980 Nov;20(11):39–43 (Eng. Abstr.) **(Rus)**

[Role of biomicroscopy of the bulbar conjunctiva in diagnosing microcirculatory disorders in rheumatism in children] Voropal LA, et al. **Pediatriia** 1981 Mar;(3):36–40 (Eng. Abstr.) **(Rus)**

[Diagnosis of recurrent rheumatic carditis in circulatory insufficiency] Korochkin IM, et al. **Sov Med** 1980;(8):40–6 (Eng. Abstr.) **(Rus)**

[Current diagnosis of recurrent rheumatic heart disease (based on data of Tomsk clinics)] Karpov RS, et al. **Ter Arkh** 1981;53(3):29–33 (Eng. Abstr.) **(Rus)**

[Methods of diagnosing torpid rheumatism] Kolchin IuN. **Vrach Delo** 1980 Oct;(10):39–41 (Eng. Abstr.) **(Rus)**

[Persistent left superior vena cava and rheumatic mitral valve stenosis studied with echocardiography] Vargas Barrón J, et al. **Arch Inst Cardiol Mex** 1980 Nov–Dec;50(6):691–4 (Eng. Abstr.) **(Spa)**

[Mand (2-D) bidimensional echocardiography in 63 cases of rheumatic mitral valvulopathy: surgical and anatomopathological correlates] Vargas Barrón J, et al. **Arch Inst Cardiol Mex** 1980 Jul–Aug;50(4):451–9 (Eng. Abstr.) **(Spa)**

[Rheumatic mitral valvulopathies with bidimensional (2-D) echocardiography. Surgical and anatomopathological correlations] Vargas Barrón J, et al. **Rev Esp Cardiol** 1980; 33(3):241–7 (Eng. Abstr.) **(Spa)**

[Echocardiographic assessment of heart valve diseases (author's transl)] Clark R. **Rev Med Chil** 1980 Jul; 108(7):629–40 (Eng. Abstr.) **(Spa)**

DIET THERAPY

[Comparative evaluation of the role of protein in the diet therapy of ischemic heart disease and rheumatism with a slight degree of activity] Samsonov MA, et al. **Vopr Pitan** 1980 Nov–Dec;(6):12–8 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Use of corticosteroids in rheumocarditis and nonrheumatic myocarditis] Novikov IuI, et al. **Sov Med** 1980;(11):19–23 (Eng. Abstr.) **(Rus)**

[Immunologic examination of patients with rheumatic heart defects during immunosuppressant therapy] Petrova IV. **Ter Arkh** 1981;53(4):115–7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Rheumatic fever in children. A follow-up study with emphasis on cardiac sequelae. Chen SC, et al. **Jpn Heart J** 1981 Mar;22(2):167–72

Role of macrophage-dependent determinant selection in induction phase of streptococcal carditis. Dos Reis GA, et al. **Lancet** 1980 Oct 11;2(8198):777–9

[Relation between changes in platelet count and acute articular rheumatism, with special reference to cardiac complications] Mignone F, et al. **Minerva Pediatr** 1981 Mar 31;33(6):261–6 (Eng. Abstr.) **(Ita)**

[Pathogenetic significance of blood coagulation homeostasis] Gritsiuk AI. **Vrach Delo** 1981 May;(5):67–71 (Eng. Abstr.) **(Rus)**

[Rheumatoid arthritis and cardiopathy] López Alonso G, et al. **Rev Clin Esp** 1981 May 15;161(3):157–9 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

[Various data on the examination of the relatives of patients with rheumatic heart disease] Bolotina AIu, et al. **Ter Arkh** 1981;53(1):84–6 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Leucocyte migration inhibition test in rheumatic heart disease. Agarwal SK, et al. **Indian J Med Res** 1980 Oct; 72:554–60

ASO, ASK and ADNase-B values rheumatic fever, rheumatic heart disease and other infections by hemolytic streptococcus. Watanabe N, et al. **Jpn Circ J** 1980 Oct; 44(10):808–9

Rheumatic fever, rheumatic heart disease, and the streptococcal connection: the role of streptococcal antigens cross-reactive with heart tissue. Kaplan MH. **Rev Infect Dis** 1979 Nov–Dec;1(6):988–86 (40 ref.)

[Estimation of inflammatory activity in chronic rheumatic heart disease] Hagert M. **Z Gesamte Inn Med** 1980 Jun 1;35(11):486–91 (Eng. Abstr.) **(Ger)**

[Antibodies to myocardial muscle fiber sarcolemmic antigens in rheumatism and other heart diseases] Beglarian AA, et al. **Kardiologiia** 1980 Nov;20(11):50–4 (Eng. Abstr.) **(Rus)**

[Immunological indices in acquired heart defects after heart valve replacement with bioprostheses] Frolova MA, et al. **Kardiologiia** 1981 Feb;21(2):86–90 (Eng. Abstr.) **(Rus)**

[Myosin antibody content in rheumatism patients] Davydov AA. **Sov Med** 1981;(5):47–51 **(Rus)**

[Humoral and cellular immunologic reactions to structural glycoproteins of the heart valves in active rheumatic heart disease] Rassokhina II, et al. **Ter Arkh** 1980;52(10):123–6 **(Rus)**

[Various indicators of streptococcal infection and immune response in patients over 45 years of age with rheumatic heart disease] Shedov VV, et al. **Ter Arkh** 1981;53(1):81–4 (Eng. Abstr.) **(Rus)**

[Specific and nonspecific cytolysis reactions in rheumatic patients with a low degree of activity in the process of combined treatment by a high-protein diet and drug preparations] Samsonov MA, et al. **Vopr Pitan** 1981 Mar–Apr;(2):47–50 (Eng. Abstr.) **(Rus)**

[Indices of streptococcal infectivity in rheumatism] Annenkova IP, et al. **Vopr Revm** 1981 Jan–Mar;(1):36–40 (Eng. Abstr.) **(Rus)**

[Functional study of lymphokine-synthesizing cells in rheumatism] Konenkov VI, et al. **Vopr Revm** 1980 Jul–Sep; (3):17–9 (Eng. Abstr.) **(Rus)**

[Immunological characteristics of rheumatic carditis patients in the late period after a mitral commissurotomy] Skopichenko NF, et al. **Vrach Delo** 1981 May;(5):82–4 **(Rus)**

OCCURRENCE

Epidemiology and community control of rheumatic heart disease in Panyu county. Xuan XY, et al. **Chin Med J [Engl]** 1980 Nov;93(11):800–2

Pediatric cardiology in Asia. Vongprateep C. **Cor Vasa** 1981; 23(1):4–7

Studies of rheumatic fever, rheumatic heart disease and streptococcal infection of Si-Chang Island. Vichitbandha P, et al. **J Med Assoc Thai** 1981 Feb;64(2):64–8

[Clinical analysis of the hospitalized cases of rheumatic valvular heart disease in Guangdong Province in the past 30 years (author's transl)] **Chung Hua Nei Ko Tsa Chih** 1981 Jan;20(1):3–5 **(Chi)**

[Therapeutic advances and rheumatic fever. Their influence on the spread and development of the disease] Cervini C, et al. **Clin Ter** 1980 Apr 30;93(2):125–67 (136 ref.) (Eng. Abstr.) **(Ita)**

[Clinico-epidemiological characteristics of acquired cardiopathies in children] Bisiarina VP, et al. **Pediatriia** 1981 Mar;(3):5–7 (Eng. Abstr.) **(Rus)**

[10 years' experience observing the course of rheumatism in children] Zubritskaia ZA. **Vopr Revm** 1981 Jan–Mar; (1):66–7 **(Rus)**

[Evolution of rheumatic cardiopathy] Caichac P, et al. **Rev Chil Pediatr** 1980 May–Jun;51(3):179–83 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Aschoff body: it's frequency and importance in surgically excised left atrial appendages of patients with chronic rheumatic valvular heart disease. Daneshpajooh M, et al. **Indian Heart J** 1980 Sep–Oct;32(5):267–70

Recurrence of rheumatic carditis in adults. Kinare SG, et al. **J Assoc Physicians India** 1980 Dec;28(12):511–4

A case of congestive cardiomyopathy with histological findings suggesting rheumatic myocarditis by endomyocardial biopsy. Echigo S, et al. **Jpn Circ J** 1980 Oct;44(10):823–6

Histopathological study on the conduction system in rheumatic valvular disease, using serial sectioning method. Fukuda K, et al. **Jpn Circ J** 1980 Oct;44(10):827–32

Papillary muscle hypertrophy in chronic rheumatic mitral valve stenosis. A clinicopathologic study. Sheikhzadeh A, et al. **Jpn Heart J** 1981 Jan;22(1):41–8

[Morphogenesis of the heart lesion in experimental infection with streptococcal L forms] Gusman BS, et al. **Arkh Patol** 1980;42(12):26–32 (Eng. Abstr.) **(Rus)**

[Morphogenesis of mitral valve calcification in rheumatism and the significance of the petrifications in surgical practice] Mozhina AA, et al. **Arkh Patol** 1981;43(6):11–8 (Eng. Abstr.) **(Rus)**

[Myocardial biopsy in the diagnosis of non-coronarogenic heart disease] Frantsev VI, et al. **Sov Med** 1981;(2):59–61 (Eng. Abstr.) **(Rus)**

[Pathological characteristics of persons suffering from hypertension, ischemic heart disease and rheumatism] Snegur EA. **Sov Zdravookhr** 1981;(1):36–9 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Pulmonary function tests in rheumatic heart disease. Dubey NP, et al. **Indian J Chest Dis Allied Sci** 1980 Jul–Sep; 22(3):152–7

Appraisal of rheumatic tricuspid stenosis. Munsi SC, et al. **J Assoc Physicians India** 1981 Feb;29(2):133–8

Integrated electric activity of the diaphragm in health and cardiopulmonary diseases. Singhal SS, et al. **J Assoc Physicians India** 1981 Feb;29(2):89–93

[The effect of tricuspid insufficiency on right ventricular performance in patients with valvular heart disease (author's transl)] Schwarz F, et al. **Z Kardiol** 1981 Jun; 70(6):466–71 (Eng. Abstr.) **(Ger)**

[Uterine hemodynamics in pregnant women with rheumatic heart defects] Solonets NI. **Vopr Okhr Materin Det** 1980 Sep;25(9):67–9 (Eng. Abstr.) **(Rus)**

[Physical load tolerance in mitral and mitral-tricuspid heart defect patients] Muzhilo MS. **Vopr Revm** 1981 Jan–Mar; (1):19–23 (Eng. Abstr.) **(Rus)**

[Renal excretion of electrolytes, water and digoxin before and after correction of mitral valve defects] Bakaev VV, et al. **Vrach Delo** 1981 Jan;(1):90–1 **(Rus)**

[Importance of myocardial function in the clinical course of patients with rheumatic valvular heart disease (author's transl)] Bros Caimari R, et al. **Med Clin (Barc)** 1980 Oct 10;75(6):235–9 (Eng. Abstr.) **(Spa)**

PREVENTION & CONTROL

The community control of rheumatic fever and rheumatic heart disease: report of a WHO international cooperative project. Strasser T, et al. **Bull WHO** 1981;59(2):285–94

Proceedings of the IV Conference on Prevention for Rheumatic Fever and Rheumatic Heart Disease. January 13, 1979 Tower Hotel, Kyoto. **Jpn Circ J** 1980 Oct; 44(10):795–862

Community control of rheumatic heart disease in developing countries: 1 a major public health problem. **WHO Chron** 1980 Sep;34(9):336–45

Community control of rheumatic heart disease in developing countries: 2. Strategies for prevention and control. **WHO Chron** 1980 Oct;34(10):389–95

[Remote results of secondary prevention of rheumatic heart disease with bicillin] Labinskaia AS, et al. **Ter Arkh** 1981; 53(1):77–81 **(Rus)**

RADIOGRAPHY

[Roentgeno-surgical heart study in the diagnosis of rheumatic mitral defect] Stranin VG. **Vopr Revm** 1981 Jan–Mar; (1):15–9 (Eng. Abstr.) **(Rus)**

[Cardiopathy and renal artery embolism] Ruiz Marcellán FJ, et al. **Actas Urol Esp** 1980 May–Jun;4(3):127–32 (Eng. Abstr.) **(Spa)**

SURGERY

Mitral valve replacement in active rheumatic heart disease in a five years old child. Vardi P, et al. **Eur J Pediatr** 1981 Mar;136(1):97–100

[Heart valve replacement in the treatment of rheumatic valvular diseases (author's transl)] **Chung Hua Wai Ko Tsa Chih** 1979;17(2):88–91 **(Chi)**

[Use of biological prostheses for cardiac valve replacement in children and adolescents] Covino E, et al. **Boll Soc Ital Biol Sper** 1980 Dec 30;56(24):2612–8 (Eng. Abstr.) **(Ita)**

[Clinical value of determining digoxin concentration in the immediate postoperative period] Pukhaeva II. **Anesteziol Reanimatol** 1981 Mar–Apr;(2):45–7 (Eng. Abstr.) **(Rus)**

THERAPY

Revised management of active rheumatic carditis in a developing country (Thailand). Sueblinvong V. **J Med Assoc Thai** 1980 Jul;63(7):424–30

[Current problems of acute rheumatic fever and chronic rheumatic heart disease among children in Poland] Wesołowska H, et al. **Z Aerztl Fortbild (Jena)** 1980 Aug 1;74(15):733–5 **(Ger)**

[High-frequency electromagnetic fields and radon baths in the treatment of rheumatism] Sorokina EI, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Jan–Feb; (1):56–60 (Eng. Abstr.) **(Rus)**

[Evaluation of the effect of a high-protein diet in combination with hormone and drug preparations on immunological homeostasis indices in rheumatism patients with a low degree of activity of the disease process] Samsonov MA, et al. **Vopr Pitan** 1981 Jan–Feb;(1):8–11 (Eng. Abstr.) **(Rus)**

[Achievements of pediatric cardiorheumatological services in Moscow and perspectives of their development] Kuz'mina NN, et al. **Vopr Revm** 1980 Oct–Dec;(4):3–6 **(Rus)**

URINE

[Circadian rhythm of urinary catecholamine excretion in healthy children and in children with rheumatism with circulatory failure] Kulinskii VI, et al. **Pediatriia** 1981 Mar; (3):40–3 (Eng. Abstr.) **(Rus)**

RHEUMATIC NODULE

PATHOLOGY

Aschoff body: it's frequency and importance in surgically excised left atrial appendages of patients with chronic rheumatic valvular heart disease. Daneshpajooh M, et al. **Indian Heart J** 1980 Sep–Oct;32(5):267–70

RHEUMATISM

Twenty-fourth rheumatism review. Review of the American and English literature for the years 1977 and 1978. Prepared by the Rheumatism Review Subcommittee of the American Rheumatism Association, Section of the Arthritis Foundation. **Arthritis Rheum** 1981 Feb;24(2):113–455

Palindromic rheumatism: a review. Hardo HG. **J R Soc Med** 1981 Jul;74(7):521–4 (20 ref.)

XVIII Nordic Congress of Rheumatology, Helsinki June 1–4, 1980. Abstracts. **Scand J Rheumatol [Suppl]** 1980;33:1–53

XVIII Nordic Congress of Rheumatology. Helsinki, June 1–4, 1980 Plenary lectures and workshop reports. **Scand J Rheumatol [Suppl]** 1980;38:1–59

[The present state of Czechoslovakian rheumatology] Vykydal M. **Cas Lek Cesk** 1980 Sep 26;119(39):1041–3 **(Cze)**

[Inter-relation of rheumatology and phlebology. Introduction] Vincent GE. **Phlebologie** 1981 Jan–Mar; 34(1):143–52 (Eng. Abstr.) **(Fre)**

[Comments on the concept 'rheumatism'] Hellinger J, et al. **Beitr Orthop Traumatol** 1980 Jun;27(6):297–303 (Eng. Abstr.) **(Ger)**

[Proceedings of the 19th Meeting of the German Society for Rheumatology with the Swiss Society for Rheumatology. 30 Sept. – 4 Oct. 1980, Constance] **Verh Dtsch Ges Rheumatol** 1981;7:1–643 **(Ger)**

BLOOD

Serum ferritin and rheumatoid disease. Blake DR, et al. **Br Med J [Clin Res]** 1981 Apr 18;282(6272):1273–4

[Measurement of inflammatory activity in chronic rheumatism by blood pretein levels] Chalès G, et al. **Rev Rhum Mal Osteoartic** 1980 Jul–Sep;47(7–9):493–9 (Eng. Abstr.) **(Fre)**

[Plasma beta 2 microglobulin in rheumatoid disease] Corvetta A, et al. **G Clin Med** 1981 Jan;62(1):13–22 **(Ita)**

[Fibrinolysis and its inhibitors, and platelet aggregation in rheumatism] Panchenko VM, et al. **Lab Delo** 1980; (11):671–5 (Eng. Abstr.) **(Rus)**

[Metabolism of trace elements and activity of their associated metalloproteins in rheumatism] Neĭko EM, et al. **Vrach Delo** 1981;(6):36–8 **(Rus)**

[Serum uric acid levels in some rheumatic diseases (author's transl)] Bošmanský K, et al. **Bratisl Lek Listy** 1981; 75(5):577–83 (Eng. Abstr.) **(Slo)**

COMPLICATIONS

Hypothalamic hypopituitarism presenting with rheumatologic symptoms. Yunus M, et al. **Arthritis Rheum** 1981 Apr;24(4):632–5

Acne rheumatism. Report of a case. Cros D, et al. **J Rheumatol** 1981 Mar–Apr;8(2):336–9

Incidence of atopy in rheumatic disease. Peskett SA, et al. **J Rheumatol** 1981 Mar–Apr;8(2):321–4

A case of lung, eye and brain disease. Lees AW, et al. **Practitioner** 1981 Feb;225(1352):213–6

[Dislocating rheumatism. A report of 6 cases] Zini R, et al. **Maroc Med** 1980 Mar;2(1):19–34 (Eng. Abstr.) **(Fre)**

[Veins and rheumatism] Frileux C, et al. **Phlebologie** 1981 Jan–Mar;34(1):153–6 (Eng. Abstr.) **(Fre)**

[Rheumatic pain] Fassbender HG. **Med Welt** 1980 Sep 5; 31(36):1263–7 **(Ger)**

[The hypothyroid rheumatic syndrome in the strict sense (author's transl)] Mertz DP. **MMW** 1980 Aug 1; 122(31):1091–4 **(Ger)**

[Calcitonin in the treatment of osteoporosis in rheumatic disorders] Capone M, et al. **Clin Ter** 1980 Dec 15; 95(5):503–22 (170 ref.) (Eng. Abstr.) **(Ita)**

[Visceral manifestations of rheumatic diseases] Todesco S. **Clin Ter** 1980 Jul 15;94(1):87–111 (17 ref.) (Eng. Abstr.) **(Ita)**

[Pleuropulmonary aspects of rheumatic disease] Livadiotti M, et al. **Minerva Pediatr** 1980 Jan 15;32(1):41–6 (Eng. Abstr.) **(Ita)**

['Palindromic rheumatism' as the possible clinical onset of rheumatoid arthritis] Gordon IB, et al. **Vopr Revm** 1980 Jul–Sep;(3):51–2 **(Rus)**

[Individual prognosis of drug allergy complications in children with rheumatism] Khabizhanov BKh. **Vopr Revm** 1981 Jan–Mar;(1):23–6 (Eng. Abstr.) **(Rus)**

[Iridocyclitis and rheumatic diseases] Vujčić M, et al. **Reumatizam** 1980;27(4):105–10 (Eng. Abstr.) **(Scr)**

DIAGNOSIS

Predictive value of paired plasma and serum viscosity in early rheumatic conditions. Alexander GJ, et al. **Br Med J [Clin Res]** 1981 Apr 11;282(6271):1198

Predictive value of paired plasma and serum viscosity in early rheumatic conditions [letter] Ernst E. **Br Med J [Clin Res]** 1981 May 16;282(6276):1628–9

The rheumatic manifestations of leprosy (Hansen disease). Albert DA, et al. **Medicine (Baltimore)** 1980 Nov; 59(6):442–8

'Rheumatic' hand symptoms as a clue to undiagnosed diabetes mellitus. Leden I, et al. **Scand J Rheumatol** 1980;9(2):127–8

[Basic principles of evaluation in rheumatology] Susta A. **Fysiatr Reumatol Vestn** 1981 Apr;59(2):102–5 (Eng. Abstr.) **(Cze)**

[Rheumatological emergencies in peripheral joints (author's transl)] Mindlin A. **Rev Med Brux** 1980 Sep;1(7):463–8 (Eng. Abstr.) **(Fre)**

[Antinuclear antibodies in diagnosis of rheumatic diseases (author's transl)] Helmke K, et al. **Klin Wochenschr** 1981 Mar 16;59(6):287–96 (Eng. Abstr.) **(Ger)**

[Significance of synovial diagnosis] Häntzschel H. **Z Gesamte Inn Med** 1980 Dec 1;35(23):163–4 (Eng. Abstr.) **(Ger)**

[Recognition of service-related rheumatic diseases in military personnel] Buratii L. **Riv Med Aeronaut Spaz** 1979 Jan–Jun; 42(1–2):103–23 (Eng. Abstr.) **(Ita)**

[Generalized enthezopathy] Bara FZ, et al. **Wiad Lek** 1980 Dec 1;33(23):1909–12 **(Pol)**

[Blood coagulating system indices of children in the inactive phase of rheumatism] Podlevskaia TA. **Pediatriia** 1980; (9):54 **(Rus)**

[Diagnostic criteria of the main rheumatic diseases] Paso Luna M, et al. **Rev Esp Reum Enferm Osteoartic** 1980; 23(3):183–26 **(Spa)**

DRUG THERAPY

A survey of clinical trials with fenbufen. Mawdsley P. **Arzneimittelforsch** 1980;30(4A):740–6

Fenclofenac and ibuprofen in the treatment of non-articular rheumatism: a comparative study in general practice. Brodie NH, et al. **Br J Clin Pract** 1980 Oct;34(10):279–81, 298

Polypharmacy in rheumatic diseases. [letter] Hamdy R, et al. **Br Med J** 1980 Apr 12;280(6220):1054

Salsalate: its role in the management of rheumatic disease. Singleton PT Jr. **Clin Ther** 1980;3(2):80–102

DMSO: hope or hoax? [editorial] Skosey JL. **Compr Ther** 1980 Aug;6(8):3–4

Further studies on glucametacin in rheumatoid arthritis and in other chronic types of rheumatism. Capelli L, et al. **Curr Med Res Opin** 1981;7(4):227–33

Antirheumatic drugs: clinical pharmacology and therapeutic use. Craig GL, et al. **Drugs** 1980 Dec;20(6):453–84 (282 ref.)

What drugs for rheumatic diseases? Waytz PH, et al. **Geriatrics** 1981 Jul;36(7):65–79

Rheumatologists gauge new uses of old drugs [news] **Hosp Pract** 1981 Aug;16(8):37, 40–40A, 40D passim

Miscellaneous rheumatological conditions treated in monitored-release studies with feprazone. Harris PG. **J Int Med Res** 1981;9(4):248–52

Series on pharmacology in practice. 9. Glucocorticoids in rheumatic disease. Nelson AM, et al. **Mayo Clin Proc** 1980 Dec;55(12):758–69 (107 ref.)

Side effects from Seatone [letter] Brooks PM. **Med J Aust** 1980 Aug 9;2(3):158

Recent developments in disease-modifying antirheumatic drugs. Hunneyball IM. **Prog Drug Res** 1980;24:101–216 (476 ref.)

An evaluation of piroxicam, a new non-steroidal anti-inflammatory agent. A multicentre trial. Tweddell ED, et al. **S Afr Med J** 1981 Jun 13;59(25):915–6

Local corticosteroid injection treatment in rheumatic disorders. Gray RG, et al. **Semin Arthritis Rheum** 1981 May;10(4):231–54 (196 ref.)

[What shall we do with the numerous new anti-rheumatics?] Hvidberg E. **Ugeskr Laeger** 1981 13 Apr;143(16):1040–3 **(Dan)**

[Diclofenac (Voltaren) – post-marketing evaluation. An open study on patients with rheumatic diseases] Sørensen K, et al. **Ugeskr Laeger** 1981 13 Apr;143(16):1005–9 (Eng. Abstr.) **(Dan)**

[Combined oral retinoid and PUVA therapy in the treatment of psoriasis and psoriatic arthropathy (author's transl)] Thivolet J, et al. **Ann Dermatol Venereol** 1981;108(2):131–7 (Eng. Abstr.) **(Fre)**

[Metals and rheumatism] Galmiche P, et al. **Bull Acad Natl Med (Paris)** 1980 Jan;164(1):56–9 (Eng. Abstr.) **(Fre)**

[Cimetidine and rheumatic disorders: preliminary study (letter)] Boasson M, et al. **Rev Rhum Mal Osteoartic** 1980 Oct;47(10):580–1 **(Fre)**

[Which anti-inflammatory agents should be used in rheumatology?] Gerster JC. **Schweiz Med Wochenschr** 1981 Feb 21;111(8):266–71 (19 ref.) (Eng. Abstr.) **(Fre)**

[Compliance with anti-inflammatory therapy in rheumatologic pathology among outpatients. Value of single daily dose] Delcambre B. **Sem Hop Paris** 1980 Oct 18–25;56(39–40):1563–5 **(Fre)**

[Therapeutic use of beta-blockers in general pathology (rheumatology, neurology and ophthalmology) (author's transl)] Bouvenot G, et al. **Therapie** 1980 Jan–Feb; 35(1):61–81 (71 ref.) (Eng. Abstr.) **(Fre)**

[Trial of Brufen 400 in Tunisia] Ben Abdallah R. **Tunis Med** 1979 Jul–Oct;57(4–5):230–3 (Eng. Abstr.) **(Fre)**

[Piroxicam--a step forward in the treatment of rheumatism] Fischer M. **Med Klin** 1980 Aug 15;75(17):633–5 (13 ref.) **(Ger)**

[Prostaglandins and therapy for rheumatism (news)] Niklas H. **Med Monatsschr Pharm** 1979 Dec;2(12):368–9 **(Ger)**

[Rheumatic diseases in older people] Schäfer RK. **Med Monatsschr Pharm** 1980 Apr;3(4):111–7 **(Ger)**

[Copper salicylate in rheumatoid arthritis and rheumatism--like degenerative diseases] Hangarter W. **Med Welt** 1980 Nov 7;31(45):1625–8 **(Ger)**

[Ground rules in pharmacotherapy of rheumatic diseases] Wessel G, et al. **Z Gesamte Inn Med** 1980 Nov 15; 35(22):suppl 157–60 **(Ger)**

[Etofenamate (Rheumon gel). Quickly effective, risk-reduced rheumatism therapy through cutaneous application] **ZFA (Stuttgart)** 1980 May 10;56(13):939–41 **(Ger)**

[An open noncomparative multicenter trial of diclofenac in rheumatic diseases] **Harefuah** 1980 Aug;99(3–4):61–3 (Eng. Abstr.) **(Heb)**

[Use of methoxy-naphthyl-propionic acid in sports medicine] Falai G, et al. **Clin Ter** 1980 Oct 15;95(1):59–70 (Eng. Abstr.) **(Ita)**

[Collateral and toxic effects of non-steroid antirheumatic drugs] Fossati C. **Clin Ter** 1979 Aug 15;90(3):273–305 (472 ref.) **(Ita)**

[Anti-inflammatory or antirheumatic agents? Pharmacological activity and therapeutic effectiveness of non-steroid anti-inflammatory drugs: comparative study. III] Mariani L, et al. **Clin Ter** 1980 Feb 29;92(4):331–58 (162 ref.) (Eng. Abstr.) **(Ita)**

[Anti-inflammatory or antirheumatic? On the pharmalogical and therapeutic efficacy of non-steroidal antiinflammatory agents: a comparative study. II] Mariani L, et al. **Clin Ter** 1980 Feb 15;92(3):209–30 (Eng. Abstr.) **(Ita)**

[Injury from so-called antirheumatic drugs] Messini M, et al. **Clin Ter** 1980 Nov 15;95(3):233–62 (141 ref.) (Eng. Abstr.) **(Ita)**

['Double-blind' clinical study of a non-steroid anti-inflammatory drug: glucametacine] Pipino F, et al. **Minerva Med** 1980 Oct 13;71(39):2845–50 (Eng. Abstr.) **(Ita)**

ECONOMICS

[The average monthly cost of drug treatment of rheumatoid disease (author's transl)] Rossi E, et al. **AMB** 1980 Jan; 26(1):37–9 **(Por)**

ENZYMOLOGY

Serum immunoreactive prolyl hydroxylase in inflammatory rheumatic diseases. Kuutti-Savolainen ER, et al. **Ann Rheum Dis** 1980 Jun;39(3):217–21

An improved viscosimetric assay for vertebrate collagenase activity. Salerno C, et al. **Physiol Chem Phys** 1980; 12(1):77–9

ETIOLOGY

Rheumatic manifestations in leprosy [editorial] **Lancet** 1981 Mar 21;1(8221):648–9

Immune complex-mediated rheumatic diseases: the evidence and the enigmas. Williams RC Jr. **Postgrad Med** 1980 Nov; 68(5):124–31, 133

Yersinia enterocolitica infections and rheumatic diseases. Larsen JH. **Scand J Rheumatol** 1980;9(3):129–37

[Tuberculous rheumatism. Apropos of a case] Amor B, et al. **Rev Rhum Mal Osteoartic** 1981 Mar;48(3):261–5 **(Fre)**

[Parasitic rheumatism (letter)] Doury P. **Rev Rhum Mal Osteoartic** 1981 Mar;48(3):286 **(Fre)**

[Clinical and pathogenetic characteristics of acute and protracted rheumatism] Nasonova VA, et al. **Klin Med (Mosk)** 1980 Sep;58(9):23–9 **(Rus)**

[Clinico-pathogenetic aspects of rheumatism in adolescents] Kostiurina GN. **Pediatriia** 1981 Mar;(3):33–6 **(Rus)**

[Ankylosing spondyloarthritis, a form developing from post-salmonellosis rheumatism] Velasco Domínguez E, et al. **Rev Clin Esp** 1981 May 15;161(3):197–9 **(Spa)**

FAMILIAL & GENETIC

[Population genetics study of rheumatism in the Dolgans of the Taimyr] Benevolenskaia LI, et al. **Genetika (Moskva)** 1981;17(4):732–9 (Eng. Abstr.) **(Rus)**

HISTORY

[Problems of rheumatism, endocrine and nervous diseases in children in the works of V. I. Molchanov and his students (on the 110th anniversary of his birth)] Lebedev DD, et al. **Pediatriia** 1980 Aug;(8):64–7 **(Rus)**

[Rheumatology pharmacotherapy from a historical and philatelic viewpoint] Leden I. **Lakartidningen** 1980 Dec 24;77(52):4943–6 **(Swe)**

IMMUNOLOGY

Immune complex mediated rheumatic diseases. Somer T, et al. **Ann Clin Res** 1980 Apr;12(2):77–86 (49 ref.)

Immunoblasts in synovial fluid and blood in the rheumatic diseases. Eghtedari AA, et al. **Ann Rheum Dis** 1980 Aug; 39(4):318–22

Production of agglutinators and rheumatoid factors in plasma cells of rheumatoid and nonrheumatoid synovial tissues. Fehr K, et al. **Arthritis Rheum** 1981 Mar;24(3):510–9

Low molecular weight IgM in rheumatoid arthritis and other rheumatic diseases. Roberts-Thomson PJ, et al. **Arthritis Rheum** 1981 Jun;24(6):795–802

HLA-B27 and the link with rheumatic diseases: recent developments. Ebringer RW. **Clin Sci** 1980 Dec; 59(6):405–10 (67 ref.)

The immunology of rheumatoid diseases. Koffler D. **Clin Symp** 1979;31(4):1–36 (12 ref.)

Reaction of human auto-antibodies with antigens of polytene chromosomes of Drosophila. Will H, et al. **Exp Cell Res** 1981 Jul;134(1):129–40

HLA and rheumatic disease. Luthra HS. **Minn Med** 1980 Sep;63(9):657–61

Immunogenetics of rheumatic diseases. Aho K. **Scand J Rheumatol [Suppl]** 1980;38:17–23

Immunoregulation in the rheumatic diseases. Panayi GS, et al. **Scand J Rheumatol [Suppl]** 1980;38:9–15

[HLA complexes and psoriatic rheumatism] Cazalis P, et al. **Rev Rhum Mal Osteoartic** 1980 Oct;47(10):529–34 (Eng. Abstr.) **(Fre)**

[B27-positive diseases. A new concept in rheumatology (author's transl)] Schattenkirchner M, et al. **MMW** 1980 Nov 28;122(48):1725–8 (Eng. Abstr.) **(Ger)**

[Clinical importance of complement research in rheumatic diseases] Tanner E, et al. **Z Gesamte Inn Med** 1980 Dec 15;35(24):191–2 contd **(Ger)**

[Clinical significance of complement values in rheumatic diseases] Tanner E, et al. **Z Gesamte Inn Med** 1981 Jan 1;36(1):suppl 193–4 contd (Eng. Abstr.) **(Ger)**

[Index of damage to neutrophils by gamma-globulin in rheumatic diseases] Iaglinskaia AV, et al. **Lab Delo** 1980; (12):747–9 (Eng. Abstr.) **(Rus)**

[Characteristics of the immunomorphological reactions in the tissues in rheumatic diseases] Gritsman NN, et al. **Vopr Revm** 1980 Jul-Sep;(3):14–7 **(Rus)**

[Autoimmune disorders in rheumatism and rheumatoid arthritis] Litvinenko AG. **Vrach Delo** 1980 Nov;(11):67–70 (Eng. Abstr.) **(Rus)**

[Cardiac antibodies in different forms of rheumatism] Mel'nikova OI. **Vrach Delo** 1981;(6):39–40 **(Rus)**

[Streptococcal antibodies in the rural population and in rheumatic diseases] Bošmanský K. **Fysiatr Reumatol Vestn** 1981 Apr;59(2):77–85 (Eng. Abstr.) **(Slo)**

[Immunospecificity of the antinuclear antibodies: clinical significance] Villegas Silva P, et al. **Alergia** 1980 Apr; 27(2):57–67 (Eng. Abstr.) **(Spa)**

METABOLISM

Biochemical changes in the rheumatic disorders. Kendall MJ. **Rep Rheum Dis** 1980 Jan;(71):1p.

[Amyloid microdeposits seen in rheumatoid disease (author's transl)] Liard ME, et al. **Arch Anat Cytol Pathol** 1979; 27(6):343–7 (Eng. Abstr.) **(Fre)**

[Cyclic nucleotides and enzymes of the synovial fluid in various rheumatic diseases] Buneaux JJ, et al. **Rev Rhum Mal Osteoartic** 1980 Jul-Sep;47(7-9):461–4 (Eng. Abstr.) **(Fre)**

OCCURRENCE

Rheumatic disorders in the Swedish population and health care system. Bjelle A, et al. **J Rheumatol** 1980 Nov-Dec; 7(6):877–85

Regional distribution of rheumatic complaints in Sweden. Bjelle A, et al. **Scand J Rheumatol** 1981;10(1):9–15

[Retrospective study of rheumatic diseases at the University Clinic at Kinshasa, Zaire] Mbuyi-Muamba JM, et al. **Ann Soc Belg Med Trop** 1980 Jun;60(2):223–6 (Eng. Abstr.) **(Fre)**

[Epidemiological evaluation of non-traumatic diseases of the musculoskeletal system in Poland] Wysocki M. **Przegl Epidemiol** 1980;34(4):405–14 (Eng. Abstr.) **(Pol)**

[Epidemiologic examination of chronic rheumatic complaints and diseases in the population of Croatia (author's transl)] Mimica M, et al. **Lijec Vjesn** 1980 Oct;102(10):539–42 (Eng. Abstr.) **(Scr)**

PATHOLOGY

The neuropathology of rheumatoid disease. Kim RC, et al. **Hum Pathol** 1981 Jan;12(1):5–15 (118 ref.)

Early rheumatoid-like joint lesions in rabbits drinking cows' milk. Coombs RR, et al. **Int Arch Allergy Appl Immunol** 1981;64(3):287–92

Scanning electron microscopic study of microcrystals implicated in human rheumatic diseases. Faure G, et al. **Scan Electron Microsc** 1980;(3):163–76

[Morphohistochemical changes in the hepatobiliary system in rheumatic diseases] Kaminskiĭ IuV, et al. **Vopr Revm** 1980 Jul-Sep;(3):36–42 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

American Rheumatism Association. 45th annual meeting. Boston, Massachusetts. June 3–6, 1981. Abstracts of papers. **Arthritis Rheum** 1981 Apr;24(Suppl 4):S57–126

[Ultrastructure of the dermis and skin fibroblast metabolism in rheumatism] Rassokhina II, et al. **Arkh Patol** 1980; 42(9):94–5 **(Rus)**

[Rheovasographic indices of the extremities in rheumatism] Kaiumi AV. **Vrach Delo** 1981;(4):88–91 (Eng. Abstr.) **(Rus)**

[State of the peripheral blood circulation and vascular permeability in rheumatism] Kaiumi AV. **Vrach Delo** 1980 Aug;(8):82–4 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Psychogenic rheumatism. Colton RS. **Minn Med** 1981 Jun; 64(6):365–6

[Rheumatic symptoms and fear of invalidity] Zant JL, et al. **Ned Tijdschr Geneeskd** 1981 Feb 7;125(6):221–5 (Eng. Abstr.) **(Dut)**

[Development of depressive signs in chronic patients and healthy persons. A comparative study in patient groups with various forms of disease and a control group of healthy volunteers (author's transl)] Raith L, et al. **Psychother Psychosom Med Psychol** 1981 Jan;31(1):20–9 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

[Ossidesmosia in the x-ray picture of some bone and joint diseases (author's transl)] Sváb V. **Cesk Radiol** 1981 May; 35(3):203–12 (Eng. Abstr.) **(Cze)**

[Clinical and radiological study of the manubrio-sternal articulation. Comparison between 80 control subjects and 88 patients with chronic inflammatory rheumatism] Grosbois B, et al. **Rev Rhum Mal Osteoartic** 1981 Jun; 48(6):495–503 (Eng. Abstr.) **(Fre)**

REHABILITATION

[Analysis of the significance of precedent opinions in invalids suffering from rheumatic diseases] Strauss H, et al. **Z Aerztl Fortbild (Jena)** 1980 Oct 15;74(20):956–62 **(Ger)**

[Social rehabilitation in chronic inflammatory rheumatic diseases] Funke P, et al. **Z Gesamte Inn Med** 1980 Dec 1;35(23):175–6 **(Ger)**

[The instruction of patients at the rheumatism dispensary in Lund] Brattström M, et al. **Lakartidningen** 1980 Oct 1; 77(40):3509–11 (Eng. Abstr.) **(Swe)**

SURGERY

Functional outcome of GUEPAR hinge knee arthroplasty evaluated with ARAMIS. Schurman DJ. **Clin Orthop** 1981 Mar-Apr;(155):118–32

[Progress in surgery in rheumatic diseases] Kerschbaumer F, et al. **ZFA (Stuttgart)** 1980 Sep 10;56(25):1547–50 **(Ger)**

THERAPY

The role of therapeutic plasmapheresis in the rheumatic diseases. Jones JV, et al. **J Lab Clin Med** 1981 May; 97(5):589–98 (21 ref.)

Arthritis and rheumatic diseases. A four-article symposium. Smiley JD. **Postgrad Med** 1980 Nov;68(5):122–3

Modern treatment of rheumatic disease. Robinson RG. **Ryumachi** 1980 Dec;20(6):404

[Medicated baths in rheumatic diseases] Endres U. **Z Aerztl Fortbild (Jena)** 1979 Dec 15;73(24):1176–8 **(Ger)**

[Utilization of therapeutic textile segments in a metal industry factory] Vogel H. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl** 1980 Mar; 30(3):75–8 **(Ger)**

[Rheumatology and crenology: current status and prospects] Cervini C, et al. **Clin Ter** 1980 Jun 30;93(6):607–19 (Eng. Abstr.) **(Ita)**

[Emergencies in rheumatology] Buratti L. **Riv Med Aeronaut Spaz** 1980 Jan-Jun;43(1-2):55–9 (Eng. Abstr.) **(Ita)**

[Treatment of effectiveness at a local sanatorium for children recovering from and at risk of rheumatism] Sharabarin NI, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 May-Jun; (3):57–9 **(Rus)**

RHEUMATISM, MUSCULAR see **FIBROSITIS**

RHEUMATISM, PERI-EXTRA-ARTICULAR see **POLYMYALGIA RHEUMATICA**

RHEUMATOID FACTOR

An epidemiological survey of immunological abnormalities in asbestos workers. I. Nonorgan and organ-specific autoantibodies. Lange A. **Environ Res** 1980 Jun; 22(1):162–75

The physical characterization of an aggregating IgG heteropolymer containing rheumatoid factor. Gabriel DA, et al. **J Biol Chem** 1981 Apr 10;256(7):3240–4

Rheumatic factors are neither rheumatic nor rheumatoid [letter] Wager O. **Lancet** 1981 Feb 7;1(8215):335

Seronegative spondylarthritis. **West J Med** 1981 Feb; 134(2):134–40

ANALYSIS

A quantitative enzyme immunoassay for IgM rheumatoid factor using human immunoglobulin G as substrate. Halbert SP, et al. **Am J Clin Pathol** 1980 Dec;74(6):776–84

Rheumatoid factor test performance on CAP survey specimens. Rippey JH. **Am J Clin Pathol** 1980 Oct;74(4 Suppl):589–90

Immune complexes, rheumatoid factors, and cellular immunological parameters in patients with giant cell arteritis. Malmvall BE, et al. **Ann Rheum Dis** 1981 Jun; 40(3):276–80

Failure to detect autologous antibodies in the remission sera of patients with AML: complications introduced by the presence of rheumatoid factor. James SE, et al. **Br J Cancer** 1980 Sep;42(3):385–91

Immunological studies in typhoid fever. I. Immunoglobulins, C3, antibodies, rheumatoid factor and circulating immune complexes in patients with typhoid fever. Rajagopalan P, et al. **Clin Exp Immunol** 1981 Apr;44(1):68–73

IgG rheumatoid factor, complement and immune complexes in rheumatoid synovitis and vasculitis: comparative and serial studies during cytotoxic therapy. Scott DG, et al. **Clin Exp Immunol** 1981 Jan;43(1):54–63

Failure to demonstrate any interaction between polyclonal rheumatoid factors and IgG antinuclear antibodies or other IgG autoantibodies. Scott-Morgan L, et al. **Clin Exp Immunol** 1980 Aug;41(2):297–302

Determination of rheumatoid factor by means of thin layer immunoassay. Nilsson LA, et al. **Int Arch Allergy Appl Immunol** 1980;63(3):294–302

Evaluation of a charcoal particle test for rheumatoid factor. Stevens RW, et al. **J Clin Microbiol** 1981 May;13(5):994–5

Nephelometry v differential agglutination titre in the measurement of rheumatoid factors. Pritchard MH, et al. **J Clin Pathol** 1981 Apr;34(4):396–9

MRSPAH: a simple microtitre plate test for rheumatoid factors of different classes. March RE, et al. **J Immunol Methods** 1981;42(2):137–46

Circulating immune complexes, immunoconglutinins, and rheumatoid factors in nephropathia epidemica. Penttinen K, et al. **J Infect Dis** 1981 Jan;143(1):15–21

IgG rheumatoid factor: analysis of various species of IgG for detection by radioimmunoassay. Pope RM, et al. **J Lab Clin Med** 1981 Jun;97(6):842–53

IgM-class rheumatoid factor in serum and cerebrospinal fluid of multiple sclerosis and matched neurological control patients. Ziola B, et al. **J Neurol Sci** 1981 Jul;51(1):101–9

Viral infections and rheumatic factor [letter] Almeida JD, et al. **Lancet** 1980 Dec 20-27;2(8208-8209):1361–2

Aplastic anemia with hypergammaglobulinemia, systemic

plasmacytosis and positive RA test.—histopathological study on an autopsy case. Hanai J, et al. **Nippon Ketsueki Gakkai Zasshi** 1980 Aug;43(4):689–99

Rheumatoid factor in the elderly. New methodology. Quaranta JF, et al. **Pathol Biol (Paris)** 1980 Dec; 28(10):656–60

Hidden 19S IgM rheumatoid factor in juvenile rheumatoid arthritis. Moore TL, et al. **Pediatr Res** 1980 Oct; 14(10):1135–8

Lack of female preponderance in high titers of rheumatoid factor. Waller M, et al. **Va Med** 1981 May;108(5):333–4

A study of rheumatoid factors in juvenile rheumatoid arthritis (chronic polyarthritis) by the photometric latex test. Taseski B, et al. **Z Rheumatol** 1981 Jan–Feb;40(1):17–20

Antistreptococcal antibodies, rheumatoid factors and haptoglobin in apes and monkeys. Köhler W, et al. **Zentralbl Bakteriol [A]** 1980 Mar;246(3):308–17

[Rheumatoid factor estimation using gammaglobulin latex test microreaction (author's transl)] Bozděch V, et al. **Cas Lek Cesk** 1980 Jul 8;119(31–32):833–7 (Eng. Abstr.) **(Cze)**

[Determination of rheumatoid factor] Bardfeld R, et al. **Fysiatr Reumatol Vestn** 1980 Oct;58(5):282–5 (Eng. Abstr.) **(Cze)**

[Serological rheumatism studies: not needed for every so-called rheumatism] Hissink Muller W. **Ned Tijdschr Geneeskd** 1981 Jul 25;125(30):1185–7 **(Dut)**

[Rheumatoid factors : a cause of non-specific results in IgM antitoxoplasma fluorescent tests (author's transl)] Ambroise-Thomas P, et al. **Ann Biol Clin (Paris)** 1980; 38(5):315–9 (Eng. Abstr.) **(Fre)**

[Beta-2-microglobulin and rheumatoid factor levels in the synovial fluid (author's transl)] Verdier JM, et al. **Nouv Presse Med** 1980 Mar 29;9(15):1073–5 (Eng. Abstr.) **(Fre)**

[Clinical applications of enzyme-immunoassay of rheumatoid factor] Euller L, et al. **Rev Rhum Mal Osteoartic** 1980 Oct; 47(10):545–51 (Eng. Abstr.) **(Fre)**

[Immunohistochemical detection of tissue-bound rheumatoid factors (author's transl)] Emmrich J, et al. **Acta Histochem [Suppl] (Jena)** 1980;22:313–6 (Eng. Abstr.) **(Ger)**

[Immunohistochemical detection of antigammaglobulin factors in the serum (author's transl)] Geiler G, et al. **Acta Histochem [Suppl] (Jena)** 1980;22:309–11 (Eng. Abstr.) **(Ger)**

[Rheumatologic forum. Part 3. False interpretation in rheumatic serology] Schattenkirchner M. **MMW** 1981 Jul 31;123(31):38–40 **(Ger)**

[Seronegative rheumatoid spondylitis (author's transl)] Müller W. **Orthopaede** 1981 Apr;10(2):133–54 (83 ref.) **(Ger)**

[Comparison of the Waaler-Rose reaction and the optimized Singer-Plotz reaction] Terzani G, et al. **Minerva Med** 1981 Jan 14;72(1):33–9 (Eng. Abstr.) **(Ita)**

[New in vitro test for rheumatoid factor] Müller W, et al. **Ric Clin Lab** 1980;10 Suppl 2:49–53 **(Ita)**

[Rheumatoid factor in oncological patients] Grigor'eva MP, et al. **Vopr Onkol** 1980;26(8):13–6 (Eng. Abstr.) **(Rus)**

[T- and B-lymphocytes and the rheumatoid factor in the synovial fluid and peripheral blood in rheumatoid arthritis] Redaïtene EI, et al. **Vopr Revm** 1980 Oct-Dec;(4):40–3 (Eng. Abstr.) **(Rus)**

[Incidence of HLA antigens in progressive seronegative arthritis] Svec V, et al. **Fysiatr Reumatol Vestn** 1981 Apr; 59(2):86–90 (Eng. Abstr.) **(Slo)**

BIOSYNTHESIS

Enhanced in vitro synthesis of IgM rheumatoid factor in rheumatoid arthritis. Koopman WJ, et al. **Arthritis Rheum** 1980 Sep;23(9):985–92

Rheumatoid factors in mice: plaque assay for homophile and heterophile rheumatoid factors. Dresser DW, et al. **Immunology** 1980 Nov;41(3):569–77

Rheumatoid factors in mice: non-specific activators of heterophile rheumatoid factor production. Popham AM, et al. **Immunology** 1980 Nov;41(3):579–85

A gene linked to the Igh-C locus controls the production of rheumatoid factor in the mouse. Van Snick JL. **J Exp Med** 1981 Mar 1;153(3):738–42

Continuous production of monoclonal rheumatoid factor by EBV-transformed lymphocytes. Steinitz M, et al. **Nature** 1980 Oct 2;287(5781):443–5

CLASSIFICATION

[Enzymo-immunologic determination of the class of antiglobulin factors] Quaranta JF, et al. **Rev Rhum Mal Osteoartic** 1980 Oct;47(10):553–9 (Eng. Abstr.) **(Fre)**

GENETICS

Inheritance of immunoglobulin M rheumatoid-factor idiotypes. Pasquali JL, et al. **J Clin Invest** 1980 Oct; 66(4):863–6

IMMUNOLOGY

Solid phase anti-IgM ELISA for detection of rubella specific IgM antibodies. Vejtorp M. **Acta Pathol Microbiol Scand [B]** 1981 Apr;89B(2):123–8

Solid-phase enzyme immunoassay of IgM-class rheumatoid factor: comparison of three methods for preparation of the solid-phase target IgG. Ziola B, et al. **Acta Pathol Microbiol Scand [C]** 1980 Jun;88C(3):127–30

IgM-rheumatoid factors cross-reactive with IgG and a cell nuclear antigen: immunopathological implications? Johnson PM. **Ann Rheum Dis** 1980 Dec;39(6):586–8

Interaction between rheumatoid factor and antibody/DNA complexes: enhancement of complement fixation. Birchmore DA, et al. **Arthritis Rheum** 1981 Mar; 24(3):527–33

Production of agglutinators and rheumatoid factors in plasma cells of rheumatoid and nonrheumatoid synovial tissues. Fehr K, et al. **Arthritis Rheum** 1981 Mar;24(3):510–9

IgE rheumatoid factor. Mizushima Y, et al. **Experientia** 1981 Feb 15;37(2):200–1

Studies on circulating soluble immune complexes of the liver disease. 6. Comparative studies of 125I-pRF inhibition assay, 125I-Clq inhibition assay and 125I-Clq binding assay. Narumoto J. **Gastroenterol Jpn** 1981;16(2):174–85

The antigenicity of asialylated IgG: its relationship to rheumatoid factor. Dodon MD, et al. **Immunology** 1981 Mar;42(3):401–8

Detection of circulating immune complexes in cutaneous disease using a monoclonal rheumatoid factor hemagglutination method. Jordon RE, et al. **J Clin Lab Immunol** 1981 Jul;6(1):87–90

Method for avoiding false-positive results occurring in immunoglobulin M enzyme-linked immunosorbent assays due to presence of both rheumatoid factor and antinuclear antibodies. Naot Y, et al. **J Clin Microbiol** 1981 Jul; 14(1):73–8

Studies on the antigenic determinants in the self-association of IgG rheumatoid factor. Nardella FA, et al. **J Exp Med** 1981 Jul 1;154(1):112–25

Preferential reactivity of certain human and rabbit IgM and IgG rheumatoid factors with mildly reduced and amidomethylated IgG. Brown CS, et al. **J Immunol** 1981 Jun;126(6):2373–7

Nature of double-stranded DNA binding activity in seropositive rheumatoid arthritis: formation of low avidity DNA/rheumatoid factor/IgG/low density lipoprotein complexes. Winfield JB, et al. **J Immunol** 1981 Apr; 126(4):1596–602

A solid-phase assay for circulating immune complexes using monoclonal rheumatoid factors and peroxidase-linked protein A. Davey MP, et al. **J Immunol Methods** 1981; 44(1):87–100

Rheumatoid factor in acute viral infections: interference with determination of IgM, IgG, and IgA antibodies in an enzyme immunoassay. Salonen EM, et al. **J Infect Dis** 1980 Aug;142(2):250–5

The role of rheumatoid factor in an electron microscope study of hepatitis B antigens. Stannard LM, et al. **J Med Virol** 1980;6(2):153–64

IgE rheumatoid factor in a case of rheumatoid arthritis with pleuritis. Mizushima Y, et al. **J Rheumatol** 1981 Mar-Apr; 8(2):299–302

Rheumatoid factors in paraproteinemias. Intorp HW, et al. **Ric Clin Lab** 1980 Jan-Mar;10(1):35–9

[Method of determining circulating immune complexes using serum containing rheumatoid factor] Stefani DV, et al. **Lab Delo** 1981;(7):429–31 **(Rus)**

[Rheumatoid factor] Caballero Vallés PJ. **Med Clin (Barc)** 1981 Apr 10;76(7):322–6 (67 ref.) **(Spa)**

ISOLATION & PURIFICATION

The isolation of immune complexes containing IgM rheumatoid factor and recovery of IgG rheumatoid factor from the complexes. Jones VE, et al. **J Immunol Methods** 1980;37(1):1–14

[Immunological reactions to connective tissue antigens in rheumatoid arthritis, systemic scleroderma and systemic lupus erythematosus] Abdeeva ZhI, et al. **Ter Arkh** 1980; 52(11):122–6 (Eng. Abstr.) **(Rus)**

RHEUMATOID NODULE

COMPLICATIONS

Sarcoidosis presenting as cutaneous ulceration, subcutaneous nodules and chronic arthritis. Boyd RE, et al. **J Rheumatol** 1981 Mar-Apr;8(2):311–6

DIAGNOSIS

Rheumatoid nodulosis. A relatively benign rheumatoid variant. Wisnieski JJ, et al. **Arch Intern Med** 1981 Apr; 141(5):615–9

[Rheumatoid nodulitis. Apropos of a case. Review of the literature] Dreyfus P, et al. **Rev Rhum Mal Osteoartic** 1981 May;48(5):441–6 **(Fre)**

ETIOLOGY

Olecranon nodules in a case of Behçet's disease. Yurdakul S, et al. **Ann Rheum Dis** 1981 Apr;40(2):182–4

Aneurysm of the sinus of valsalva secondary to rheumatoid nodulosis [letter] Shearn DL. **Arthritis Rheum** 1981 Jul; 24(7):978

[A case of sero-positive polysynovitis with rheumatoid nodules] Jaffres R, et al. **Rev Rhum Mal Osteoartic** 1981 May;48(5):433 **(Fre)**

PATHOLOGY

Histopathological analysis of sixteen subcutaneous rheumatoid nodules. Fukase M, et al. **Acta Pathol Jpn** 1980 Nov;30(6):871–82

Rheumatoid nodules of the vocal cords as the initial manifestation of systemic lupus erythematosus. Schwartz IS, et al. **JAMA** 1980 Dec 19;244(24):2751–2

[Rheumatoid nodulosis] Danneskiold-Samsøe B, et al. **Ugeskr Laeger** 1980 Nov 17;142(47):3133 (Eng. Abstr.) **(Dan)**

[Neutrophilic granulocytes in rheumatic tissue destruction] Mohr W, et al. **Med Welt** 1980 Nov 7;31(45):1618–24 **(Ger)**

RHEUMATOID PURPURA see **PURPURA, SCHOENLEIN-HENOCH**

RHEUMATOLOGY

see related
COLLAGEN DISEASES

Six months in New Zealand. Gibson T. **Ann Rheum Dis** 1981 Feb;40(1):100–1

The scope of rheumatology [editorial] Jayson MI. **Ann Rheum Dis** 1980 Oct;39(5):528

American rheumatology—the future of our guild. Antidisestablishmentarianism. McCarty DJ. **Arthritis Rheum** 1980 Sep;23(9):969–76

Regional rheumatology practice in Umeå a northern Swedish experience. Bjelle A, et al. **J Rheumatol** 1981 Jan-Feb; 8(1):110–8

The growth of rheumatology. Gordon DA. **J Rheumatol** 1981 Jan-Feb;8(1):4–5

Community rheumatology practice in Thunder Bay: a Canadian experience from northwestern Ontario. Koehler MG, et al. **J Rheumatol** 1981 Jan-Feb;8(1):119–24

On the critical assessment and clinical applicability of the rheumatology literature. Tugwell P, et al. **J Rheumatol** 1980 Nov-Dec;7(6):765–71

[The present state of Czechoslovakian rheumatology] Vykydal M. **Cas Lek Cesk** 1980 Sep 26;119(39):1041–3 **(Cze)**

[Société Française de Rhumatologie. Members] **Rev Rhum Mal Osteoartic** 1980 Dec;67(12):733–45 **(Fre)**

[Proceedings of the 19th Meeting of the German Society for Rheumatology with the Swiss Society for Rheumatology. 30 Sept. – 4 Oct. 1980, Constance] **Verh Dtsch Ges Rheumatol** 1981;7:1–643 **(Ger)**

[The special situation of current rheumatology] Schilling F. **Z Rheumatol** 1980 May-Jun;39(5–6):119–26 **(Ger)**

[Soviet rheumatology in the last 5-year period (results and perspectives of development)] Nasonova VA, et al. **Ter Arkh** 1981;53(1):19–23 **(Rus)**

[Scientific research results on the rheumatology problem in the pediatric institutions of the USSR for 1979] Dolgopolova AV, et al. **Vopr Revm** 1980 Jul-Sep;(3):66–8 **(Rus)**

[Basic research results in rheumatology for 1979 in the USSR] Nasonova VA, et al. **Vopr Revm** 1980 Jul-Sep;(3):61–5 **(Rus)**

EDUCATION

Effect of a rheumatology elective on house officers' evaluation of rheumatoid arthritis. Eyanson S, et al. **Arch Intern Med** 1980 Nov;140(11):1449–52

Nursing, occupational therapy, and physical therapy preparation in rheumatology in the United States and Canada. Jette AM, et al. **J Allied Health** 1980 Nov; 9(4):268–75

The need to train family practitioners in rheumatology (editorial)] McDuffie FC. **J Rheumatol** 1980 Nov-Dec; 7(6):772–3

Do family practice residents in the United States learn clinical rheumatology? An important question. Strosberg MA, et al. **J Rheumatol** 1980 Nov-Dec;7(6):923–6

[Postgraduate instruction and the program for specializing in rheumatology in Poland] Tempska-Cirankewicz K, et al. **Vopr Revm** 1980 Jul-Sep;(3):70 **(Rus)**

HISTORY

Descriptions of therapeutic arthrocenthesis and of synovial fluid in a Nahuatl text from prehispanic Mexico. Alarcon-Segovia D. **Ann Rheum Dis** 1980 Jun;39(3):291–3

The growth of rheumatology [editorial] Gordon DA. **J Rheumatol** 1981 Jan-Feb;8(1):4–5

TRENDS

['Rheumatology' as a partial specialty] Schwerdtfeger W. **Internist (Berlin)** 1980 Apr;21(4):25–7 **(Ger)**

[Rheumatology in light of medical specialization (letter)] Bozsóky S. **Orv Hetil** 1980 Dec 21;121(51):3161–3 **(Hun)**

[Status and developmental prospects of the pediatric cardiorheumatology service in the USSR] Kovanova NN, et al. **Pediatriia** 1981 Mar;(3):3–4 **(Rus)**

RHINENCEPHALON see **LIMBIC SYSTEM**

RHINITIS

BLOOD

Nonallergic rhinitis with eosinophilia (NARES syndrome). Clinical and immunologic presentation. Jacobs RL, et al. **J Allergy Clin Immunol** 1981 Apr;67(4):253–62

CHEMICALLY INDUCED

Rhinitis medicamentosa [letter] Chodirker WB. **Can Med Assoc J** 1981 Feb 15;124(4):370, 372

CLASSIFICATION

The classification of nasal disease: an opinion [editorial] Mullarkey MF. **J Allergy Clin Immunol** 1981 Apr; 67(4):251–2

DIAGNOSIS

Skin test sensitivity to Acacia pollen in Brazil. Geller M, et al. **Ann Allergy** 1981 Sep;47(3):180–1

Reappraisal of prick test to tree and weed antigens. Nagaya H, et al. **Ann Allergy** 1979 Oct;43(4):241–5

Atopy in medical students. Taylor B, et al. **Ann Allergy** 1981 Sep;47(3):197–9

DRUG THERAPY

Reduction of metacholine-induced nasal secretion by treatment with a new topical steroid in perennial non-allergic rhinitis. Malm L, et al. **Allergy** 1981 Apr; 36(3):209–14

Medical management of noninfectious rhinitis. Hendeles L, et al. **Am J Hosp Pharm** 1980 Nov;37(11):1496–54 (51 ref.)

Low-dose topical atropine for rhinorrhea. Jackson RT, et al. **Arch Otolaryngol** 1981 May;107(5):288–9

Medical management of the stuffy nose. Mabry RL. **South Med J** 1981 Aug;74(8):984–8

Intranasal steroid injection during pregnancy. Mabry RL. **South Med J** 1980 Sep;73(9):1176–9

[Is beclomethasone dipropionate a gain in the therapy of chronic rhinopathy?] Clement PA, et al. **Acta Otorhinolaryngol Belg** 1980;34(5):547–55 **(Dut)**

[Clinical trial of nose drops which counteract swelling in rhinitis. Comparative double blind trial] Döderlein K. **Fortschr Med** 1980 Sep 4;98(33):1265–7 (Eng. Abstr.) **(Ger)**

[Evaluation of Farial nasal spray in acute, chronic and allergic rhinitis] Reinecke M. **ZFA (Stuttgart)** 1981 Feb 28;57(6):457–60 **(Ger)**

[Indications and results of immunostimulation with microbial products in diseases of the upper respiratory tract] Seropian E, et al. **Rev Chir [Otorinolaringol]** 1981 Jan–Mar; 26(1):77–9 **(Rum)**

[The value of treatment with sympathomimetic drugs in diseases of the upper respiratory tract] Malm L, et al. **Lakartidningen** 1981 Feb 25;78(9):813–5 (Eng. Abstr.) **(Swe)**

[Long-term treatment with nose drops containing xylometazoline] Petruson B. **Lakartidningen** 1981 Jan 14; 78(3):114–6 **(Swe)**

ETIOLOGY

[Occupational asthma and rhinitis] Hansen I. **Ugeskr Laeger** 1980 Jul 7;142(28):1799–803 (Eng. Abstr.) **(Dan)**

[Current status of the pathogenesis and therapy of aperiodic rhinitis] Klotz G, et al. **J Fr Otorhinolaryngol** 1980 Dec; 29(10):641–9 **(Fre)**

[ENT aspects of rhino-sinusitis in children (author's transl)] Albegger K. **HNO** 1980 Oct;28(10):321–8 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Surface basophilic cells and allergic airway diseases. Mygind N. **Clin Otolaryngol** 1980 Oct;5(5):289–90

Airway responses to antigen challenge in allergic rhinitis and allergic asthma. Ahmed T, et al. **J Allergy Clin Immunol** 1981 Feb;67(2):135–45

Age-related serum immunoglobulin E levels in healthy subjects and in patients with allergic disease. Wittig HJ, et al. **J Allergy Clin Immunol** 1980 Oct;66(4):305–13

[Antibodies to staphylococcal autostrains in polypoid tissue of the human nasal mucosa] Lebedev KA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Mar;(3):89–92 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

[Multifocal fungal infections in patients coming to the laryngologists (author's transl)] Kurnatowska A, et al. **Otolaryngol Pol** 1980;34(5):475–9 (Eng. Abstr.) **(Pol)**

OCCURRENCE

Allergic disorders and immediate skin test reactivity in Finnish adolescents. Haahtela T, et al. **Allergy** 1980 Jul; 35(5):433–41

The incidence and causative factors of atopic asthma and rhinitis in an Orkney farming community. Cuthbert OD. **Clin Allergy** 1981 May;11(3):217–25

[Frequency of chronic rhinitis in a population of young adults. Influence of pollen allergy and tobacco addiction (author's transl)] Dor P, et al. **Poumon Coeur** 1980 May-Jun;36(3):179–81 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Rhinitis medicamentosa: electron microscopic study. Talaat M, et al. **J Laryngol Otol** 1981 Feb;95(2):125–31

[Ultrastructure of the human nasal mucosa in chronic rhinitis: in reference to presence of microvilli (author's transl)] Ooki T, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1981 Mar 20; 84(3):257–63 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Bronchial responsiveness to histamine and allergen in patients with asthma, rhinitis, cough. Stevens WJ, et al. **Eur J Respir Dis** 1980 Aug;61(4):203–12

SURGERY

[Comparative results of the treatment of chronic rhinitis by cryo- and ultrasonic surgery] Tkhe KS. **Vestn Otorinolaringol** 1981 Jan–Feb;(1):54–8 (Eng. Abstr.) **(Rus)**

THERAPY

Tissue threshold changes during the first months of immunotherapy. Dantzler BS, et al. **Ann Allergy** 1980 Oct; 45(4):213–6

Rinkel injection therapy: a multicenter controlled study. Hirsch SR, et al. **J Allergy Clin Immunol** 1981 Aug; 68(2):133–55

[Recurrent rhinobronchitis in children. Mechanism and treatment] Germouty J, et al. **Sem Hop Paris** 1980 Oct 18–25;56(39–40):1651–4 **(Fre)**

VETERINARY

Immunogenicity and safety of an inactivated vaccine for the prevention of rhinotracheitis, caliciviral disease, and panleukopenia in cats. Povey RC, et al. **J Am Vet Med Assoc** 1980 Aug 15;177(4):347–50

Treating chronic rhinitis in the cat [letter] Bedford PG. **Vet Rec** 1980 Dec 6;107(23):542

RHINITIS, ALLERGIC, NONSEASONAL see **RHINITIS, ALLERGIC, PERENNIAL**

RHINITIS, ALLERGIC, PERENNIAL

BLOOD

[Studies on the plasma levels of cyclic adenosine-3'5'-monophosphate and cyclic guanosine 3',5'-monophosphate in patients with obstructive airways disease before and after acetylcholine-induced bronchoconstriction (author's transl)] Triebig G, et al. **Prax Klin Pneumol** 1980 Oct;34(10):606–14 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

[Characteristics of clinical course and diagnosis of allergic diseases of the upper respiratory tract of chemical etiology] Ostapkovich VE, et al. **Vestn Otorinolaringol** 1981 Jan–Feb; (1):19–23 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

[Modern classification aspects of allergic rhinitis] Mirazizov KD, et al. **Vestn Otorinolaringol** 1981;(3):46–50 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Allergic rhinitis: diagnosis and management. Church JA. **Clin Pediatr (Phila)** 1980 Oct;19(10):655–9

Gastrointestinal findings in atopic children. Kokkonen J, et al. **Eur J Pediatr** 1980 Sep;134(3):249–54

[Allergic rhinitis] Wentges RT. **Ned Tijdschr Geneeskd** 1980 Jul 19;124(29):1185–7 **(Dut)**

[The histamine-release test, a new in-vitro method in the diagnosis of allergic diseases (author's transl)] Bork K, et al. **Dtsch Med Wochenschr** 1981 Aug 21;106(34):1060–4 (Eng. Abstr.) **(Ger)**

[About rhinomanometric results with INT (author's transl)] Schlenter WW. **HNO** 1981 Jun;29(6):208–12 (Eng. Abstr.) **(Ger)**

[Personal history, prick test, total IgE and RAST in the diagnosis of type I-allergy (author's transl)] Hötter GJ. **Prax Klin Pneumol** 1981 Mar;35(3):141–3 (Eng. Abstr.) **(Ger)**

[Considerations in diagnosis and therapy of house dust and house dust mites allergy (author's transl)] Schroeder-Ischka D. **Wien Klin Wochenschr [Suppl]** 1980;92(117 Suppl):27–8 (Eng. Abstr.) **(Ger)**

[Diagnosis and therapy of hay fever in the clinic for lung diseases and tuberculosis] Meister W. **Z Erkr Atmungsorgane** 1979 Jun;153(3):377–82 (Eng. Abstr.) **(Ger)**

[Nasal provocation test in allergic perennial rhinitis. Comparison with clinical history, skin tests, eosinophils in nasal secretion and serum IgE levels using PRIST] Olivé Pérez A, et al. **Allergol Immunopathol (Madr)** 1980 Nov-Dec;8(6):657–62 (Eng. Abstr.) **(Spa)**

DRUG THERAPY

Flunisolide intranasal solution combined with intrabronchial steroids in adults with both bronchial asthma and perennial rhinitis. Gale AE, et al. **Ann Allergy** 1981 May;46(5):268–72

Low-dose topical atropine for rhinorrhea. Jackson RT, et al. **Arch Otolaryngol** 1981 May;107(5):288–9

Azatadine maleate in perennial allergic rhinitis: effects on clinical symptoms and choice reaction time. Hillas JL, et al. **Br J Clin Pharmacol** 1980 Dec;10(6):573–7

Double-blind trial comparing two dosage schedules of beclomethasone dipropionate aerosol with a placebo in the treatment of perennial rhinitis for twelve months. Brompton Hospital/medical research council collaborative trial. **Clin Allergy** 1980 May;10(3):239–51

A comparative trial of intra-nasal beclomethasone dipropionate and sodium cromoglycate in patients with chronic perennial rhinitis. Hillas J, et al. **Clin Allergy** 1980 May;10(3):253–8

Long-term study of flunisolide treatment in perennial rhinitis with special reference to nasal mucosal histology and morphology. Sahay JN, et al. **Clin Allergy** 1980 Jul; 10(4):451–7

Double-blind crossover trial comparing beclomethasone dipropionate and sodium cromoglycate in perennial allergic rhinitis. Tandon MK, et al. **Clin Allergy** 1980 Jul; 10(4):459–62

Effects of beclomethasone dipropionate nasal spray on subjective and objective findings in perennial allergic rhinitis. Okuda M, et al. **Clin Otolaryngol** 1980 Oct; 5(5):315–21

Short-term efficacy trial and twenty-four-month follow-up of flunisolide nasal spray in the treatment of perennial rhinitis. Clayton DE, et al. **J Allergy Clin Immunol** 1981 Jan;67(1):2–7

Allergic perennial and non-allergic, vasomotor rhinitis treated with budesonide nasal spray. Balle VH, et al. **Rhinology** 1980 Sep;18(3):135–42

Budesonide – a new nasal steroid. Pipkorn U, et al. **Rhinology** 1980 Dec;18(4):171–5

Ipratropium bromide inhalation for allergic rhinitis and chronic cough [letter] Shore SC, et al. **S Afr Med J** 1981 Feb 21;59(8):252

[Therapeutic trial of sodium cromoglycate in the treatment of allergic rhinitis] Romanet P. **J Fr Otorhinolaryngol** 1981 May;30(5):344–5 **(Fre)**

[Treatment of allergic diseases of the upper airways with Fenistil retard] Gautier B. **Ther Ggw** 1981 Jul;120(7):633–5 **(Ger)**

[Evaluation of Farial nasal spray in acute, chronic and allergic rhinitis] Reinecke M. **ZFA (Stuttgart)** 1981 Feb 28;57(6):457–60 **(Ger)**

[Terfenadine in allergic rhinitis in children] Fuentes González VM, et al. **Alergia** 1981 Jan;28(1):13–22 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Allergic rhinitis [letter] Crook WG. **Clin Pediatr (Phila)** 1981 May;20(5):366

[Modern views on the mechanism of rhinitis (author's transl)] Gieldanowski J. **Otolaryngol Pol** 1980;34(2–3):167–72 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

[Immunology of allergic rhinitis] Hatzithéodorou G, et al. **Rev Laryngol Otol Rhinol (Bord)** 1980 Nov–Dec; 101(11–12):499–502 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Response of the lung airway to exercise testing in asthma and rhinitis. Schofield NM, et al. **Br J Dis Chest** 1980 Apr; 74(2):155–63

PREVENTION & CONTROL

Pharmacologic prophylaxis of allergic rhinitis: relative efficacy of hydroxyzine and chlorpheniramine. Wong L, et al. **J Allergy Clin Immunol** 1981 Mar;67(3):223–8

SURGERY

[Pathogenic treatment of nasal allergy] Grigoriu V, et al. **Rev Chir [Otorinolaringol]** 1980 Jul–Sep;25(3):215–8 (Eng. Abstr.) **(Rum)**

THERAPY

Anaphylactic reaction to desensitisation for allergic rhinitis and asthma. Rands DA. **Br Med J** 1980 Sep 27; 281(6244):854

Treatment of allergic and vasomotor rhinitis by the local application of silver nitrate. Bhargava KB, et al. **J Laryngol Otol** 1980 Sep;94(9):1025–36

Effect of immunotherapy: treatment with mite and other aeroallergens in Thai allergic patients. Choovoravech P. **J Med Assoc Thai** 1980 Sep;63(9):506–11

[The management of allergic rhinitis (author's transl)] Lallemant Y, et al. **Ann Otolaryngol Chir Cervicofac** 1980 Oct–Nov;97(10–11):857–72 (Eng. Abstr.) **(Fre)**

[Treatment of infectious coryza and persistent allergic rhinitis with thermotherapy] Yerushalmi A, et al. **C R Acad Sci [D] (Paris)** 1980 Dec 8;291(12):957–9 (Eng. Abstr.) **(Fre)**

[Treatment of chronic infectious-allergic rhinitis with bacterial allergen aerosols] Moshkevich VS, et al. **Vestn Otorinolaringol** 1980 Sep-Oct;(5):74-8 **(Rus)**

RHINITIS, ALLERGIC, SEASONAL see **HAY FEVER**

RHINITIS, ATROPHIC

DRUG THERAPY

[Assessment of the clinical usefulness of the preparation Mesna (Mucofluid, Mistabron) produced by UCB in treatment of certain laryngological diseases (author's transl)] Semczuk B, et al. **Otolaryngol Pol** 1980;34(6):553-8 (Eng. Abstr.) **(Pol)**

[Treatment of fetor in ozena] Milošević M. **Med Pregl** 1980; 33(7-8):329-31 **(Ser)**

ENZYMOLOGY

[Control investigations of changes of certain oxidoreductive enzymes in nasal mucosa in surgically treated patients with ozena (author's transl)] Hajac T, et al. **Otolaryngol Pol** 1980;34(2-3):173-82 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Primary atrophic rhinitis: an inherited condition? Barton RP, et al. **J Laryngol Otol** 1980 Sep;94(9):979-83

Familial atrophic rhinitis: a scanning electron microscopic study. Barton RP, et al. **J Laryngol Otol** 1980 Sep; 94(9):993-6

MICROBIOLOGY

[Survivability of the causative agents of ozena in water and food products] Gorbacheva VN. **Gig Sanit** 1981 May; (5):12-4 (Eng. Abstr.) **(Rus)**

[Propagation of enterobacteria in the human respiratory tract in chronic otorhinolaryngologic disease] Krylov IA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Dec;(12):98-9 **(Rus)**

PATHOLOGY

Primary atrophic rhinitis: a scanning electron microscopic (SEM) study. Gray RF, et al. **J Laryngol Otol** 1980 Sep; 94(9):985-92

Evolution of nasal mucosal lesions in leprosy (histological study). Mehta L, et al. **Lepr India** 1981 Jan;53(1):11-6

SURGERY

Autogenous medullary (cancellous) bone graft in ozaena. Chatterji P. **J Laryngol Otol** 1980 Jul;94(7):737-49

[A new indication for pharyngoplasty with costal cartilage graft in epipharyngeal ozena] Olteanu AI, et al. **Rev Chir [Otorinolaringol]** 1981 Jan-Mar;26(1):63-5 **(Rum)**

VETERINARY

Experimental atrophic rhinitis in gnotobiotic pigs. Miniats OP, et al. **Can J Comp Med** 1980 Oct;44(4):358-65

Atrophic rhinitis of pigs in southern England [letter] Baskerville A, et al. **Vet Rec** 1980 Aug 16;107(7):162

The prevalence of Brodetella bronchiseptica and turbinate (conchal) atrophy in English pig herds in 1978-79. Cameron RD, et al. **Vet Rec** 1980 Aug 16;107(7):146-9

Atrophic rhinitis in Southern England. Smith IM, et al. **Vet Rec** 1980 Oct 25;107(17):407-8

Prevalence of neutralizing antibody to porcine enterovirus serotype 2 strain BHZP/3 and its possible relation to atrophic rhinitis in pigs. Hafez SM, et al. **Zentralbl Veterinaermed [B]** 1980;27(5):374-81

Vaccination against atrophic rhinitis in swine with a combined Bordetella bronchiseptica, Pasteurella multocida vaccine. Schuller W, et al. **Zentralbl Veterinaermed [B]** 1980;27(2):125-30

[Some aspects of the study of atrophic rhinitis in pigs (author's transl)] de Jong MF. **Tijdschr Diergeneeskd** 1980 Sep 1;105(17):711-4 (Eng. Abstr.) **(Dut)**

[Etiology of atrophic rhinitis in swine. 4. Incidence of P. multocida-K-antibodies in herds of swine] Schimmelpfennig H, et al. **Berl Muench Tieraerztl Wochenschr** 1981 Jan 15;94(2):21-4 (Eng. Abstr.) **(Ger)**

[Experimental studies of the etiology and pathogenesis of atrophic rhinitis in swine. 1. Cytomegalovirus-negative gnotobiotic piglets from seropositive sows] Marquardt J. **Berl Munch Tieraerztl Wochenschr** 1981 Apr;94(8):141-4 (Eng. Abstr.) **(Ger)**

[Atrophic rhinitis in pigs: results of an eradication program in the Weser-Ems-District since 1971 (author's transl)] Schöss P, et al. **DTW** 1980 Dec 5;87(12):483-6 (Eng. Abstr.) **(Ger)**

[Field trial for control of atrophic rhinitis by vaccination with Bordetella bronchiseptica] Keller H, et al. **Schweiz Arch Tierheilkd** 1980 Oct;122(10):541-51 (Eng. Abstr.) **(Ger)**

RHINITIS, VASOMOTOR

DIAGNOSIS

[Etiopathogenic diagnosis of vasomotor rhinitis] Wayoff M, et al. **Acta Otorhinolaryngol Belg** 1980;34(2):119-30 **(Fre)**

DRUG THERAPY

Effect of 17 phenyl PGF2 alpha on nasal patency in man. Karim SM, et al. **Prostaglandins Med** 1979 Jul;3(1):33-7

Allergic perennial and non-allergic, vasomotor rhinitis treated with budesonide nasal spray. Balle VH, et al. **Rhinology** 1980 Sep;18(3):135-42

[Dexamethasone nose drops in the treatment of vasomotor rhinitis] Novotný Z, et al. **Cesk Otolaryngol** 1981 Jan; 30(1):41-8 (Eng. Abstr.) **(Cze)**

SURGERY

A comparison of cryosurgery and submucous diathermy in vasomotor rhinitis. Moore JR, et al. **J Laryngol Otol** 1980 Dec;94(12):1411-3

[Submucosal osteochonchotomy in vasomotor rhinitis] Gusakov AD. **Vestn Otorinolaringol** 1981 Mar-Apr; (2):71-2 **(Rus)**

[Treatment of vasomotor rhinitis using an ultrasonic probe] Pluzhnikov MS, et al. **Vestn Otorinolaringol** 1980 Sep-Oct; (5):60-5 (Eng. Abstr.) **(Rus)**

THERAPY

Treatment of allergic and vasomotor rhinitis by the local application of silver nitrate. Bhargava KB, et al. **J Laryngol Otol** 1980 Sep;94(9):1025-36

[Classical acupuncture in the treatment of rhinitis vasomotorica and rhinitis pollinosa] Drasnar T, et al. **Cesk Otolaryngol** 1981 Apr;30(2):104-6 (Eng. Abstr.) **(Cze)**

RHINOPHARYNX see **NASOPHARYNX**

RHINOPHYMA see under **ROSACEA**

RHINOPLASTY

Systematic approach to correction of the nasal tip in rhinoplasty. McCollough EG, et al. **Arch Otolaryngol** 1981 Jan;107(1):12-6

Nasal resistance before and after rhinoplasty. Berry RB. **Br J Plast Surg** 1981 Jan;34(1):105-11

Cialit preserved homograft cartilage in nasal augmentation: a long-term review. McGlynn MJ, et al. **Br J Plast Surg** 1981 Jan;34(1):53-7

Photoanalysis of the rhinoplasty patient. Krugman ME. **Ear Nose Throat J** 1981 Jul;60(7):328-30

Some aspects of rhinoplasty: a review. Bull TR. **J R Soc Med** 1980 Nov;73(11):811-7

Xeroradiography in revisional septorhinoplasty. Strelzow VV, et al. **Otolaryngol Head Neck Surg** 1981 Jan-Feb; 89(1):153-60

Congenital midline nasal muscle with associated nasal deformity. Bauer BS, et al. **Plast Reconstr Surg** 1981 Mar; 67(3):358-61

A direct approach to the more severely deformed cleft lip nose. Ecker HA. **Plast Reconstr Surg** 1981 Mar; 67(3):369-74

Corrective rhinoplasty before puberty: a long-term follow-up. Ortiz-Monasterio F, et al. **Plast Reconstr Surg** 1981 Sep;68(3):381-91

ADVERSE EFFECTS

Complications of augmentation rhinoplasty in the Japanese. Hiraga Y. **Ann Plast Surg** 1980 Jun;4(6):495-9

Avulsion of the upper lateral cartilage: etiology, diagnosis, surgical anatomy and management. Parkes ML, et al. **Laryngoscope** 1981 May;91(5):758-64

Postrhinoplasty edema [letter] Mondolfi PE. **Plast Reconstr Surg** 1981 Jul;68(1):122-3

Postrhinoplasty 'red nose': differential diagnosis and treatment by laser. Noe JM, et al. **Plast Reconstr Surg** 1981 May;67(5):661-4

[A report of two fatal aspirations of nasal packings (author's transl)] Spillman D. **Laryngol Rhinol Otol (Stuttg)** 1981 Feb; 60(2):56 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

The rotating burr in rhinoplasty. Goodman WS. **Arch Otolaryngol** 1981 Jul;107(7):436-8

METHODS

Vascular fascial island graft for partial nasal reconstruction utilizing an H flap for forehead repair. Kirschner RA. **Am J Otolaryngol** 1980 Aug;1(4):338-44

Surgical reduction of the broad nose. Man A. **Am J Otolaryngol** 1980 Nov;1(5):446-50

Onlay bone grafts in head and neck reconstruction. Schuller DE. **Am J Otolaryngol** 1980 Aug;1(4):344-51

Lengthening the short nose. Kamer FM. **Ann Plast Surg** 1980 Apr;4(4):281-5

Iceberg of the nose. Parkes ML, et al. **Ann Plast Surg** 1980 Aug;5(2):146-7

The nasal ala in rhinoplasty--a new approach. Ribeiro L. **Ann Plast Surg** 1981 Jun;6(6):448-52

Dropped lateral wall syndrome--the No. 2 complication in rhinoplasty. Straith RE. **Ann Plast Surg** 1981 Feb; 6(2):160-2

Reconstruction of the ala and nostril sill using proximate composite grafts. Vecchione TR. **Ann Plast Surg** 1980 Aug; 5(2):148-50

Split rib graft for alar collapse. Bridger GP. **Arch Otolaryngol** 1981 Feb;107(2):110-3

A more precise technique of tip rhinoplasty with a cartilage-splitting incision. Mittelman H. **Arch Otolaryngol** 1981 Jul;107(7):425-7

Multiple osteotomies in rhinoplasty. Bridger GP. **Aust NZ J Surg** 1981 Aug;51(4):363-6

The 'C' costal cartilage graft in reconstruction of the unilateral cleft lip nose. Chait LA. **Br J Plast Surg** 1981 Apr;34(2):169-72

Augmentation rhinoplasty. Rozner L. **Br J Plast Surg** 1980 Jul;33(3):377-82

Septal surgery in rhinoplasty. Bernstein D. **Bull NY Acad Med** 1981 May;57(4):293-303

Rhinophyma and its treatment. Elliott RA Jr, et al. **Clin Plast Surg** 1980 Jul;7(3):277-88

The double eyelid operation and augmentation rhinoplasty in the Oriental patient. Hiraga Y. **Clin Plast Surg** 1980 Oct; 7(4):553-67

The management of the deviated nose. Brain DJ. **J Laryngol Otol** 1981 May;95(5):471-86

Facial morphology applied to rhinologic surgery. Stoksted P, et al. **J Laryngol Otol** 1981 Jul;95(7):693-9

The 'light reflex' tip-plasty-a new theory in tip esthetics and tip correction. Fanous N. **J Otolaryngol** 1981 Apr; 10(2):162-8

Nasal reconstruction. Gullane PJ. **J Otolaryngol** 1980 Dec; 9(6):455-61

'How I do it'--plastic surgery: practical suggestions on facial plastic surgery. Surgical excision and primary reconstruction of a moderate size tumor involving the nasal tip and dorsum. Henley-Cohn J. **Laryngoscope** 1981 Feb; 91(2):306-9

External rhinoplasty. Stone JW. **Laryngoscope** 1980 Oct;90(10 Pt 1):1626-30

External septorhinoplasty: a tool for teaching and for improved results. Wright WK, et al. **Laryngoscope** 1981 Jun;91(6):945-51

The use of cartilage grafts in primary aesthetic rhinoplasty. Ortiz-Monasterio F, et al. **Plast Reconstr Surg** 1981 May; 67(5):597-605

The Skoog rhinoplasty: a modified technique. Regnault P, et al. **Plast Reconstr Surg** 1980 Oct;66(4):578-90

Correction of deformities of the nose. Kemble JV. **Practitioner** 1980 Apr;224(1342):399-404

Nasal surgery: Quantitative controlled bony hump removal. Janeke JB. **S Afr J Surg** 1979 Dec;17(4):199-202

Functional and cosmetic reconstruction of the crooked nose. Swanepoel PF, et al. **S Afr Med J** 1980 Sep 20; 58(12):489-94

[One-stage total rhinoplasty: report of 30 cases (author's transl)] Zhang DS. **Chung Hua Wai Ko Tsa Chih** 1981 Feb; 19(2):87-9 (Eng. Abstr.) **(Chi)**

[Advisability of reinserting a fragment of the hump in the repair of hypertrophic noses] Jost G, et al. **Ann Chir Plast** 1981;26(1):11-7 (Eng. Abstr.) **(Fre)**

[The osteocartilaginous nasal hump. Homograft material] Tiziano JP, et al. **Ann Chir Plast** 1981;26(1):19-24 (Eng. Abstr.) **(Fre)**

[The conception of rhinoplasty on the basis of different skin types (author's transl)] Lallemant Y, et al. **Ann Otolaryngol Chir Cervicofac** 1980 Oct-Nov; 97(10-11):943-7 (Eng. Abstr.) **(Fre)**

[Repair of loss of substance from the nose with a two-pointed lozenge-shaped flap (author's transl)] Lourmet J, et al. **Rev Stomatol Chir Maxillofac** 1981;82(2):143-6 (Eng. Abstr.) **(Fre)**

[Nasal splinting with thermoplastic material] Rettinger G, et al. **HNO** 1980;28(9):320 **(Ger)**

[Special flap-techniques in the treatment of nasal defects (author's transl)] Haas E. **Laryngol Rhinol Otol (Stuttg)** 1980 Oct;59(10):622-9 (Eng. Abstr.) **(Ger)**

[Functional and esthetic considerations in old age. Rhinoplasty as a preventive measure] Flemming I. **MMW** 1981 Jul 17;123(29-30):1177-9 **(Ger)**

[The aging face. Rhinoplasty as a preventive measure] Gabka J. **MMW** 1981 Jun 26;123(26):1078-80 **(Ger)**

[Rhinophyma. Etiology and therapy (author's transl)] Jahnke V. **MMW** 1981 Jul 17;123(29-30):1175-6 (Eng. Abstr.) **(Ger)**

[Rhinoplasty using controlled hypotension] Nassery W. **Z Plast Chir** 1981 Jun;5(2):117-22 (Eng. Abstr.) **(Ger)**

[Rhinoplasty after radiation injuries] Spitalny HH, et al. **Z Plast Chir** 1981 Mar;5(1):49-62 (Eng. Abstr.) **(Ger)**

[Rhinoplasty. The evolution of esthetic taste] Gliosci A. **Minerva Stomatol** 1981 May-Jun;30(3):201-10 (Eng. Abstr.) **(Ita)**

[Use of formalinized cartilage allografts in rhinoplasty] Melan'in VD, et al. **Vestn Otorinolaringol** 1981;(3):52-5 (Eng. Abstr.) **(Rus)**

[Ultrasonic resection and welding of the bond in oto- and rhinoosteoplastic operations by a 'closed' method] Mishen'kin NV, et al. **Vestn Otorinolaringol** 1981 Jan-Feb; (1):51-4 (Eng. Abstr.) **(Rus)**

RHINOSCLEROMA

[A contribution to diagnosis, specificity and treatment of rhinoscleroma (author's transl)] Franz B, et al.

Laryngol Rhinol Otol (Stuttg) 1980 Mar;59(3):190–7 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Rhinoscleroma with exophthalmos: a case report. Lubin JR, et al. **Br J Ophthalmol** 1981 Jan;65(1):14–7

Surgical management of cicatricial post-scleromatous sub-glottic stenosis. Taha A, et al. **J Laryngol Otol** 1981 Aug;95(8):827–33

DRUG THERAPY

Local acriflavine: a new therapy for rhinoscleroma. Shaer M, et al. **J Laryngol Otol** 1981 Jul;95(7):701–6

IMMUNOLOGY

The skin window test in rhinoscleroma. Toppozada HH, et al. **Am J Otolaryngol** 1981 Feb;2(1):30–5

MICROBIOLOGY

[Propagation of enterobacteria in the human respiratory tract in chronic otorhinolaryngologic disease] Krylov IA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Dec;(12):98–9 **(Rus)**

OCCURRENCE

[Incidence of scleroma of the respiratory tract and methods for its diagnosis] Konoval'chikov GD, et al. **Vestn Otorinolaringol** 1981;(3):58–61 (Eng. Abstr.) **(Rus)**

PATHOLOGY

The tunica propria in rhinoscleroma. An electron microscopic study. Toppozada H, et al. **Acta Otolaryngol (Stockh)** 1981 May-Jun;91(5–6):595–604

Solitary scleroma of the larynx. Agarwal MK, et al. **Ear Nose Throat J** 1981 Jul;60(7):315–7

Rhinoscleroma presenting as a unilateral nasal mass. Khalifa MC, et al. **J Egypt Med Assoc** 1978;61(3–4):313–9

Rhinoscleroma in Malawi and Eastern Zaire. Liomba NG, et al. **J Trop Med Hyg** 1980 Oct;83(5):187–90

Evolution of nasal mucosal lesions in leprosy (histological study). Mehta L, et al. **Lepr India** 1981 Jan;53(1):11–6

[Scleroma] Fabre L, et al. **J Fr Otorhinolaryngol** 1979 Nov; 28(9):611–9 (Eng. Abstr.) **(Fre)**

RHINOSPORIDIOSIS

IMMUNOLOGY

Cell mediated immune response in human cases of rhinosporidiosis. Chitravel V, et al. **Sabouraudia** 1981 Jun; 19(2):135–42

OCCURRENCE

Rhinosporidiosis in a south Indian village. Chitravel V, et al. **Sabouraudia** 1980 Sep;18(3):241–7

PATHOLOGY

Rhinosporidiosis. Cutchavaree A, et al. **J Med Assoc Thai** 1980 Oct;63(10):578–81

Recurrent rhinosporidiosis in man-case reports. Chitravel V, et al. **Mycopathologia** 1981 Feb 13;73(2):79–82

VETERINARY

[Rhinosporidiosis in the horse. Histological and electron microscopic study of a case] Lengfelder KD, et al. **Zentralbl Veterinaermed [B]** 1980;27(4):326–39 (Eng. Abstr.) **(Ger)**

RHINOSPORIDIUM

ULTRASTRUCTURE

[Rhinosporidiosis in the horse. Histological and electron microscopic study of a case] Lengfelder KD, et al. **Zentralbl Veterinaermed [B]** 1980;27(4):326–39 (Eng. Abstr.) **(Ger)**

RHINOVIRUSES

DRUG EFFECTS

4',6-Dichloroflavan (BW683C), a new anti-rhinovirus compound. Bauer DJ, et al. **Nature** 1981 Jul 23; 292(5821):369–70

Rhinovirus inactivation by aqueous iodine in vitro and on skin. Carter CH, et al. **Proc Soc Exp Biol Med** 1980 Dec; 165(3):380–3

GENETICS

Isolation and genetic analysis of temperature-sensitive mutants of rhinovirus type 2. Evans MR, et al. **Intervirology** 1980;13(5):299–306

GROWTH & DEVELOPMENT

Persistence of human rhinovirus infectivity under diverse environmental conditions. Reagan KJ, et al. **Appl Environ Microbiol** 1981 Mar;41(3):618–27

Role of infectious secretions in the transmission of rhinovirus. Pancic F, et al. **J Clin Microbiol** 1980 Oct;12(4):467–71

IMMUNOLOGY

Use of indirect immunofluorescence method for detection of rhinovirus-specific antibodies. Hrušková J, et al. **J Hyg Epidemiol Microbiol Immunol** 1981;25(1):60–4

ISOLATION & PURIFICATION

Identification and characterization of a bovine rhinovirus isolated from Iowa cattle with acute respiratory tract disease. Lupton HW, et al. **Am J Vet Res** 1980 Jul; 41(7):1029–34

Isolation of rhinoviruses and coronaviruses from 38 colds in adults. Larson HE, et al. **J Med Virol** 1980;5(3):221–9

PATHOGENICITY

Epidemiology of the common cold. Gwaltney JM Jr. **Ann NY Acad Sci** 1980;353:54–60

PHYSIOLOGY

Reduced granulocyte response to isoproterenol, histamine, and prostaglandin E1 after in vitro incubation with Rhinovirus 16. Busse WW, et al. **Am Rev Respir Dis** 1980 Oct;122(4):641–6

RHIZOBIACEAE

PHYSIOLOGY

Interaction of lectins from soybean and peanut with rhizobia that nodulate soybean, peanut, or both plants. Pueppke SG, et al. **Can J Microbiol** 1980 Dec;26(12):1489–97

RHIZOBIUM

Heterozygosis of phage 16-3 of Rhizobium meliloti: moderate level of mismatch repair or gene conversion. Orosz L, et al. **MGG** 1980;179(1):163–7

ANALYSIS

Compositional studies on succinoglycan-like extracellular water-soluble Rhizobium polysaccharides. Ghai SK. **Acta Microbiol Pol** 1981;30(2):133–41

Localization and partial characterization of soybean lectin-binding polysaccharide of Rhizobium japonicum. Tsien HC, et al. **J Bacteriol** 1981 Feb;145(2):1063–74

[Spectral studies of the cytochrome P-450 of Rhizobium lupini bacteroids] Melik-Sarkisian SS, et al. **Dokl Akad Nauk SSSR** 1981;256(1):217–20 **(Rus)**

CLASSIFICATION

Typing of Rhizobium with two different phage dilutions. Staniewski R. **Acta Microbiol Pol** 1980;29(4):331–41

A strain marker in Rhizobium trifolii based on the absorption of congo-red. Bromfield ES, et al. **Zentralbl Bakteriol [Naturwiss]** 1980;135(4):290–5

CYTOLOGY

Fractionation and characterization of two morphologically distinct types of cells in Rhizobium japonicum broth culture. Shantharam S, et al. **Can J Microbiol** 1980 Feb; 26(2):107–14

DRUG EFFECTS

Effect of fungicides on growth of Rhizobium japonicum in vitro. Tu CM. **Bull Environ Contam Toxicol** 1980 Sep; 25(3):364–8

Isolation & characterization of antibiotic resistant mutants of cowpea Rhizobium 32Hi. Dhar B, et al. **Indian J Exp Biol** 1980 Dec;18(12):1392–5

ENZYMOLOGY

Kinetic mechanism of the hydrogen-oxidizing hydrogenase from soybean nodule bacteroids. Arp DJ, et al. **Biochemistry** 1981 Apr 14;20(8):2234–40

Effect of NH4+ on nitrogenase activity in nodule breis and bacteroides from Pisum sativum L. Salminen SO. **Biochim Biophys Acta** 1981 Mar 13;658(1):1–9

Comparative properties of glutamine synthetases I and II in Rhizobium and Agrobacterium spp. Fuchs RL, et al. **J Bacteriol** 1980 Nov;144(2):641–8

Biochemical characterization of a fructokinase mutant of Rhizobium meliloti. Gardiol A, et al. **J Bacteriol** 1980 Oct; 144(1):12–6

[Adenosine-3':5'-monophosphate phosphodiesterase from Rhizobium] Lisova NE, et al. **Biokhimiia** 1981 Mar; 46(3):520–4 (Eng. Abstr.) **(Rus)**

GENETICS

Isolation of ineffective and high-effective mutant strains of Rhizobium species using translocatable drug-resistance elements as mutagens. Plaziński J. **Acta Microbiol Pol** 1981; 30(1):89–95

Molecular genetic analysis of Klebsiella pneumoniae nitrogen-fixation (nif) genes. Ausubel FM, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 2:487–99

Correlation between map position and phenotype of CTI mutants in the c cistron of Rhizobium meliloti phage 16-3. Dudá B, et al. **Genetics** 1980 Oct;96(2):321–9

Plasmid transfer within and between serologically distinct strains of Rhizobium japonicum, using antibiotic resistance mutants and auxotrophs. Pilacinski WP, et al. **J Bacteriol** 1981 Feb;145(2):1025–30

Large plasmids of fast-growing rhizobia: homology studies and location of structural nitrogen fixation (nif) genes. Prakash RK, et al. **J Bacteriol** 1981 Mar;145(3):1129–36

Transposition of Tn 1 to the Rhizobium meliloti genome. Casadesús J, et al. **MGG** 1980;180(2):405–10

A general method for site-directed mutagenesis in prokaryotes. Ruvkun GB, et al. **Nature** 1981 Jan 1; 289(5793):85–8

Broad host range DNA cloning system for gram-negative bacteria: construction of a gene bank of Rhizobium meliloti. Ditta G, et al. **Proc Natl Acad Sci USA** 1980 Dec; 77(12):7347–51

[Genetic analysis of Rhizobium japonicum] Khmel'nitskiĭ MI, et al. **Dokl Akad Nauk SSSR** 1981;256(1):191–5 **(Rus)**

GROWTH & DEVELOPMENT

A method to determine protein of bacteria grown in agar. van Egeraat AW, et al. **Antonie Van Leeuwenhoek** 1980; 46(5):413–8

Nodulation of soybeans carrying the nodulation-restrictive gene, rj1, by an incompatible Rhizobium japonicum strain upon mixed inoculation with a compatible strain. Devine TE, et al. **Can J Microbiol** 1980 Feb;26(2):179–82

Light and electron microscopic studies of nodule structure of alfalfa. Patel JJ, et al. **Can J Microbiol** 1981 Jan; 27(1):36–43

Developmental fate of Rhizobium meliloti bacteroids in alfalfa nodules. Paau AS, et al. **J Bacteriol** 1980 Sep; 143(3):1480–90

Potential effects of Thiram on Medicago - R. meliloti symbiotic association. Sirois JC, et al. **J Environ Sci Health [B]** 1981;16(3):293–307

Nodulation studies in species of genus Cassia. Gaur YD. **Zentralbl Bakteriol [Naturwiss]** 1980;135(3):201–4

A simple device of an improvised fermentor for production of rhizobial culture. Gulati SL. **Zentralbl Bakteriol [Naturwiss]** 1980;135(4):302–7

Growth of rhizobia in protein hydrolysates. Gulati SL. **Zentralbl Bakteriol [Naturwiss]** 1980;135(4):296–301

IMMUNOLOGY

Homologous serological analysis of Rhizobium meliloti strains by immunodiffusion. Sinha RC, et al. **Can J Microbiol** 1980 Sep;26(9):1157–61

ISOLATION & PURIFICATION

A rapid one-step method for the isolation of bacteroids from root nodules of soybean plants, utilizing self-generating Percoll gradients. Reibach PH, et al. **Can J Microbiol** 1981 May;27(5):491–5

METABOLISM

Turnover of nitrogenase and leghemoglobin in root nodules of Pisum sativum. Bisseling T, et al. **Biochim Biophys Acta** 1980 Dec 11;610(2):360–70

Regulation of the expression of leghaemoglobin genes in effective and ineffective root nodules of soybean. Verma DP, et al. **Biochim Biophys Acta** 1981 Mar 26;653(1):98–107

The electron transport chain of Rhizobium trifolii. de Hollander JA, et al. **Eur J Biochem** 1980 Oct;111(2):473–8

Nitrogen fixation by nitrate reductase deficient mutants of Rhizobium japonicum. Singh RK, et al. **Indian J Exp Biol** 1980 Oct;18(10):1165–7

Revertible hydrogen uptake-deficient mutants of Rhizobium japonicum. Lepo JE, et al. **J Bacteriol** 1981 May; 146(2):614–20

Rhizobium japonicum mutant strains unable to grow chemoautotrophically with H2. Maier RJ. **J Bacteriol** 1981 Jan;145(1):533–40

Ammonium assimilation in Rhizobium meliloti. Osburne MS, et al. **J Bacteriol** 1980 Sep;143(3):1234–40

Expression of large plasmids in the endosymbiotic form of Rhizobium leguminosarum. Krol AJ, et al. **Nucleic Acids Res** 1980 Oct 10;8(19):4337–47

Screening for mutants of Rhizobium japonicum with defects in nitrogen fixing ability. Hörcher R, et al. **Z Naturforsch [C]** 1980 Sep-Oct;35(9–10):729–32

[Effectiveness of symbiotic n2-fixation in leguminous plants, as affected by inoculation with rhizobia, by substrate, n-fertilizing, and 14c-sucrose application (author's transl)] Merbach W, et al. **Zentralbl Bakteriol [Naturwiss]** 1980; 135(2):99–118 (Eng. Abstr.) **(Ger)**

[Glucose metabolism in isolated bacteroids of lupine nodules] Romanov VI, et al. **Biokhimiia** 1980 Dec;45(12):2139–45 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

[Testing the virulence of nodule bacteria cultivated on the embryos of leguminous plants] Maĭstrenko GG. **Mikrobiologiia** 1980 Sep-Oct;49(5):825–7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Growth yields, polysaccharide production and energy conservation in chemostat cultures of Rhizobium trifolii.

de Hollander JA, et al. **Antonie Van Leeuwenhoek** 1979; 45(3):401–15

Free-living and symbiotic characteristics of chlorate resistant mutants of Rhizobium. de Vasconcelos L, et al. **Can J Microbiol** 1980 Mar;26(3):338–42

Specific adsorption of bacteria to clover root hairs, related to the presence of the plasmid pWZ2 in cells of Rhizobium trifolii. Zurkowski W. **Microbios** 1980;27(107):27–32

[Bacterial population dynamics in a soil—plant system] Kirillova NP, et al. **Mikrobiologiia** 1981 Jan–Feb; 50(1):128–33 (Eng. Abstr.) **(Rus)**

[Relationship between the dynamics of the numbers of nodule bacteria in the soil and the stage of microbial succession] Polianskaia LM, et al. **Mikrobiologiia** 1981 Jan–Feb; 50(1):183–5 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Changes in the outer cell wall of Rhizobium during development of root nodule symbiosis in soybean. Bal AK, et al. **Can J Microbiol** 1980 Sep;26(9):1096–103

RHIZOCTONIA see under **DEUTEROMYCETES**

RHIZOPUS

ENZYMOLOGY

A new assay of microbial lipases with emulsified trioleoyl glycerol. Peled N, et al. **Anal Biochem** 1981 Apr; 112(2):219–22

Effect of heat & alumina adsorption on protease of Rhizopus oligosporus. Nand K, et al. **Indian J Exp Biol** 1980 Jul; 18(7):761–2

Modification of Rhizopus delemar lipase by its binding with phospholipids. Iwai M, et al. **J Biochem (Tokyo)** 1980 Aug; 88(2):533–8

Scope and mechanism of carbohydrase action. Stereocomplementary hydrolytic and glucosyl-transferring actions of glucoamylase and glucodextranase with alpha- and beta-D-glucosyl fluoride. Kitahata S, et al. **J Biol Chem** 1981 Jun 25;256(12):6017–26

Inducibility of Cytochrome P-450 and of NADPH-cytochrome C reductase in progesterone treated filamentous fungi Rhizopus nigricans and Rhizopus arrhizus. Breskvar K, et al. **J Steroid Biochem** 1981 Apr; 14(4):395–9

[Multiplicity of lipase forms from Rhizopus microsporus] Davranov KD, et al. **Biokhimiia** 1981 Feb;46(2):250–5 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Experimental orbital phycomycosis in rabbits. Mahajan VM, et al. **Mykosen** 1981 Jan;24(1):47–52

METABOLISM

Removal of flatulence principles from legumes by mold fermentation. Jha K, et al. **Indian J Exp Biol** 1980 Jun; 18(6):658–9

RHO FACTOR see under **TRANSCRIPTION FACTORS**

RHODANATES see **THIOCYANATES**

RHODANINE see under **THIAZOLES**

RHODIUM

PHARMACODYNAMICS

Mutagenicity of a series of hexacoordinate rhodium(III) compounds. Warren G, et al. **Mutat Res** 1981 Feb; 88(2):165–73

RHODNIUS see under **TRIATOMIDAE**

RHODOPSEUDOMONAS

ANALYSIS

Light-induced red shift of the Qx absorption band of light-harvesting bacteriochlorophyll in Rhodopseudomonas capsulata and Rhodopseudomonas sphaeroides. Bowyer JR, et al. **Arch Biochem Biophys** 1981 Apr 1;207(2):416–26

Further studies on the composition and spectral properties of the photochemical reaction centers of bacteriochlorophyll b-containing bacteria. Thornber JP, et al. **Biochim Biophys Acta** 1980 Nov 5;593(1):60–75

Isolation and characterization of the polypeptide components from light-harvesting pigment-protein complex B800—850 of Rhodopseudomonas capsulata. Shiozawa JA, et al. **Eur J Biochem** 1980 Oct;111(2):455–60

Bacterial peptides with C-terminal similarities to bovine neurotensin. Bhatnagar YM, et al. **Peptides (Fayetteville)** 1981 Spring;2(1):51–9

[Fatty acids of fast-growing mycobacteria and related microorganisms] Nesterenko OA, et al. **Mikrobiol Zh** 1980 Sep–Oct;42(5):556–61 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Effect of growth condition on enzymes of the citric acid cycle and the glyoxylate cycle in the photosynthetic bacterium Rhodopseudomonas palustris. Eley JH, et al. **Antonie Van Leeuwenhoek** 1979;45(4):521–9

Citrate lyase deacetylase of Rhodopseudomonas gelatinosa. Isolation of the enzyme and studies on the inhibition by L-glutamate. Giffhorn F, et al. **Eur J Biochem** 1980 Oct; 111(2):461–71

Hydrogenase activity in Rhodopseudomonas capsulata: relationship with nitrogenase activity. Colbeau A, et al. **J Bacteriol** 1980 Oct;144(1):141–8

Substrate specificity of citrate lyase deacetylase of Rhodopseudomonas gelatinosa and Rhodopseudomonas palustris. Giffhorn F, et al. **J Bacteriol** 1981 Aug; 147(2):463–70

Molecular characterization of glutamine synthetase from the nitrogen-fixing phototrophic bacterium Rhodopseudomonas palustris. Alef K, et al. **Z Naturforsch [C]** 1981 Mar–Apr;36(3–4):246–54

GENETICS

Dna-Dna hybridization of Rhodopseudomonas capsulata, Rhodopseudomonas sphaeroides and Rhodopseudomonas sulfidophila strains. de Bont JA, et al. **Arch Microbiol** 1981 Jan;128(3):271–4

Mobilization of the genes for photosynthesis from Rhodopseudomonas capsulata by a promiscuous plasmid. Marrs B. **J Bacteriol** 1981 Jun;146(3):1003–12

METABOLISM

Redox mechanisms in 'oxidant-dependent' hexose fermentation by Rhodopseudomonas capsulata. Cox JC, et al. **Arch Biochem Biophys** 1980 Oct 1;204(1):10–7

Asparagine and glutamine metabolism in Rhodopseudomonas acidophila. Herbert RA, et al. **Arch Microbiol** 1980 Dec; 128(2):233–8

Linear and circular dichroism of membranes from Rhodopseudomonas capsulata. Bolt JD, et al. **Biochim Biophys Acta** 1981 May 13;635(3):535–41

Resolved difference spectra of redox centers involved in photosynthetic electron flow in Rhodopseudomonas capsulata and Rhodopseudomonas sphaeroides. Bowyer JR, et al. **Biochim Biophys Acta** 1981 Mar 12;635(1):167–86

Fluorescence emission by wild-type- and mutant-strains of Rhodopseudomonas capsulata. Feick R, et al. **Biochim Biophys Acta** 1980 Dec 3;593(2):241–53

The role of histidine-42 in the oxidation-reduction mechanism of Chromatium vinosum high potential iron-sulfur protein. Nettesheim DG, et al. **Biochim Biophys Acta** 1980 Dec 3;593(2):371–83

Modification by immobilization of the microenvironment of chromatophores of Rhodopseudomonas capsulata. The influence on light-induced ADP phosphorylation coupled to cyclic electron transport. Garde VL, et al. **Eur J Biochem** 1981 May 15;116(2):337–9

Porphyrin biosynthesis in Rhodopseudomonas palustris-II. Evidence on the existence of a factor regulating aminolevulinate synthetase activity. Viale AA, et al. **Int J Biochem** 1980;12(5–6):729–33

Phospholipid composition of photosynthetic membranes of Rhodopseudomonas capsulata. Casadio R, et al. **Ital J Biochem** 1979 May-Jun;28(3):183–93

Effect of oxygen on acetylene reduction by photosynthetic bacteria. Hochman A, et al. **J Bacteriol** 1981 Aug; 147(2):492–9

Continuous monitoring, by mass spectrometry, of H2 production and recycling in Rhodopseudomonas capsulata. Jouanneau Y, et al. **J Bacteriol** 1980 Aug;143(2):628–36

The stimulation of photophosphorylation and ATPase by artificial redox mediators in chromatophores of Rhodopseudomonas capsulata at different redox potentials. Baccarini-Melandri A, et al. **J Bioenerg Biomembr** 1979 Apr;11(1–2):1–16

Structural requirements of quinone coenzymes for endogenous and dye-mediated coupled electron transport in bacterial photosynthesis. Baccarini-Melandri A, et al. **J Bioenerg Biomembr** 1980 Aug;12(3–4):95–110

PHYSIOLOGY

Spectral and functional comparisons between the carotenoids of the two antenna complexes of Rhodopseudomonas capsulata. Scolnik PA, et al. **Biochim Biophys Acta** 1980 Dec 3;593(2):230–40

Orientation of the hemes of high potential cytochromes relative to photosynthetic membranes, as shown by the linear dichroism of oriented preparations. Vermeglio A, et al. **Biochim Biophys Acta** 1980 Dec 3;593(2):299–311

ULTRASTRUCTURE

The differentiation of the photosynthetic apparatus and the intracytoplasmic membrane in cells of Rhodopseudomonas capsulata upon variation of light intensity. Golecki JR, et al. **Eur J Cell Biol** 1980 Dec;23(1):1–5

Comparative studies of two membrane fractions isolated from chemotrophically and phototrophically grown cells of Rhodopseudomonas capsulata. Garcia AF, et al. **J Bacteriol** 1981 Mar;145(3):1121–8

RHODOPSEUDOMONAS SPHEROIDES

The establishment of mitochondria: Paracoccus and Rhodopseudomonas. Whatley FR. **Ann NY Acad Sci** 1981; 361:330–40

ANALYSIS

Do photosynthetic bacteria contain cytochrome c1? Wood PM. **Biochem J** 1980 Sep 1;189(3):385–91

Localization of photosynthetic membrane components in Rhodopseudomonas sphaeroides by a radioactive labeling procedure. Francis GA, et al. **Biochemistry** 1980 Oct 28; 19(22):5104–11

The electronic structure of Fe2+ in reaction centers from Rhodopseudomonas sphaeroides. I. Static magnetization measurements. Butler WF, et al. **Biophys J** 1980 Dec; 32(3):967–92

Penicillin-binding proteins of Rhodopseudomonas sphaeroides and their membrane localization. Shepherd WD, et al. **J Bacteriol** 1981 Aug;147(2):354–61

Characterization of the three major intracytoplasmic membrane polypeptides isolated from Rhodopseudomonas sphaeroides. Cohen LK, et al. **J Biol Chem** 1981 Jun 10; 256(11):5909–15

The non-detergent solubilization and isolation of intracytoplasmic membrane polypeptides from Rhodopseudomonas sphaeroides. Cohen LK, et al. **J Biol Chem** 1981 Jun 10;256(11):5901–8

CYTOLOGY

Light-induced division and genomic synchrony in phototrophically growing cultures of Rhodopseudomonas sphaeroides. Lueking DR, et al. **J Bacteriol** 1981 May; 146(2):790–7

ENZYMOLOGY

Cytochrome b oxidation and reduction reactions in the ubiquinone-cytochrome b/c2 oxidoreductase from Rhodopseudomonas sphaeroides. O'Keefe DP, et al. **Biochim Biophys Acta** 1981 Mar 12;635(1):149–66

GENETICS

High-frequency chromosome transfer in Rhodopseudomonas sphaeroides promoted by broad-host-range plasmid RP1 carrying mercury transposon Tn501. Pemberton JM, et al. **J Bacteriol** 1981 Jul;147(1):110–7

METABOLISM

Biosynthesis of delta-aminolevulinic acid in Rhodopseudomonas sphaeroides. Chen J, et al. **Arch Biochem Biophys** 1981 Apr 15;208(1):221–8

The interrelation of the two c-type cytochromes in Rhodopseudomonas sphaeroides photosynthesis. Wood PM. **Biochem J** 1980 Nov 15;192(2):761–4

Oxidation of cytochromes c and c2 by bacterial photosynthetic reaction centers in phospholipid vesicles. 1. Studies with neutral membranes. Overfield RE, et al. **Biochemistry** 1980 Jul 8;19(14):3322–7

Oxidation of cytochromes c and c2 by bacterial photosynthetic reaction centers in phospholipid vesicles. 2. Studies with negative membranes. Overfield RE, et al. **Biochemistry** 1980 Jul 8;19(14):3328–34

Interaction of cytochrome c with reaction centers of Rhodopseudomonas sphaeroides R-26: determination of number of binding sites and dissociation constants by equilibrium dialysis. Rosen D, et al. **Biochemistry** 1980 Dec 9;19(25):5687–92

Optically excited triplet states in the bacteria Rhodopseudomonas sphaeroides 'wild-type' detected by magnetic resonance in zero-field. Beck J, et al. **Biochim Biophys Acta** 1981 Jan 14;634(1):165–73

The role of the Rieske iron-sulfur center as the electron donor to ferricytochrome c2 in Rhodopseudomonas sphaeroides. Bowyer JR, et al. **Biochim Biophys Acta** 1980 Oct 3;592(3):445–60

Energy transfer between the carotenoid and the bacteriochlorophyll within the B-800-850 light-harvesting pigment-protein complex of Rhodopseudomonas sphaeroides. Cogdell RJ, et al. **Biochim Biophys Acta** 1981 Jan 14;634(1):191–202

Reconstitution of carotenoids into the light-harvesting pigment-protein complex from the carotenoidless mutant of Rhodopseudomonas as sphaeroides R26. Davidson E, et al. **Biochim Biophys Acta** 1981 Apr 13;635(2):295–303

Subpicosecond and picosecond studies of electron transfer intermediates in Rhodopseudomonas sphaeroides reaction centers. Holten D, et al. **Biochim Biophys Acta** 1980 Oct 3;592(3):461–77

Low temperature excitation and emission spectroscopy of the photosynthetic bacteria Rhodopseudomonas sphaeroides 'wild-type' strain ATCC 17023. Kaiser GH, et al. **Biochim Biophys Acta** 1981 Jan 14;634(1):153–64

Hexane-solubilised reaction centre proteolipid complexes of Rhodopseudomonas sphaeroides. Kendall-Tobias MW, et al. **Biochim Biophys Acta** 1981 May 13;635(3):585–601

Orientation of intrinsic proteins in photosynthetic membranes. Polarized infrared spectroscopy of chloroplasts and chromatophores. Nabedryk E, et al. **Biochim Biophys Acta** 1981 May 13;635(3):515–24

Transient states in reaction centers containing reduced bacteriopheophytin. Schenck CC, et al. **Biochim Biophys Acta** 1981 Apr 13;635(2):383–92

Magnetic field affects the fluorescence yield in reaction center preparations from Rhodopseudomonas spaeroides R-26. Voznyak VM, et al. **Biochim Biophys Acta** 1980 Sep 5;592(2):235–9

On the mechanism of magnetic field effects in bacterial photosynthesis. Haberkorn R, et al. **Biophys J** 1979 Jun; 26(3):489–98

A new approach to the theory of linear dichroism in partially ordered systems. Application to reaction centers and whole cells of photosynthetic bacteria. Nairn JA, et al. **Biophys J** 1980 Nov;32(2):733–53

The balance between primary forward and back reactions in bacterial photosynthesis. Rademaker H, et al. **Biophys J** 1981 May;34(2):325–44

31P nuclear magnetic resonance studies of energy transduction in Rhodopseudomonas sphaeroides. Nicolay K, et al. **Eur J Biochem** 1981 May;116(1):191–7

The regulation of chlorophyll and porphyrin biosynthesis. Neuberger A. **Int J Biochem** 1980;12(5–6):787–9

In vivo intermembrane transfer of phospholipids in the photosynthetic bacterium Rhodopseudomonas sphaeroides. Cain BD, et al. **J Bacteriol** 1981 Mar;145(3):1154–66

[Photooxidation and light-induced transport of phenazine methosulfate in chromatophores of purple bacteria] Bulychev AA, et al. **Biokhimiia** 1981 Jun;46(6):1057–66 (Eng. Abstr.) **(Rus)**

[Effect of pH on photoinduced electron transport in reaction center preparations from Rhodopseudomonas sphaeroides] Fabian M, et al. **Mol Biol (Mosk)** 1980 Sep–Oct; 14(5):1193–8 (Eng. Abstr.) **(Rus)**

[Light-induced changes in pH and buffer capacity in reaction center preparations of Rhodopseudomonas spheroides] Fabian M, et al. **Mol Biol (Mosk)** 1981 Mar–Apr; 15(2):439–46 (Eng. Abstr.) **(Rus)**

[Kinetics of the generation of a photo-induced electric potential in chromatophores of photosynthetizing bacteria] Semenov AIu, et al. **Mol Biol (Mosk)** 1981 May–Jun; 15(3):622–35 **(Rus)**

PHYSIOLOGY

Comparison of the carotenoid bandshift and oxanol dyes to measure membrane potential changes during chemotactic stimulation of Rhodopseudomonas sphaeroides and Escherichia coli. Armitage JP, et al. **FEBS Lett** 1981 Apr 6;126(1):98–102

Quantitative agreement between the values for the light-induced delta pH in Rhodopseudomonas sphaeroides measured with automated follow-dialysis and 31P NMR. Nicolay K, et al. **FEBS Lett** 1981 Jan 26;123(2):319–23

RADIATION EFFECTS

[Ubiquinone reduction, proton absorption and the formation of a transmembrane electric potential differential induced by a series of light bursts in the chromatophores of Rhodopseudomonas sphaeroides] Verkhovskiĭ MI, et al. **Biol Nauki** 1980;(8):35–7 **(Rus)**

ULTRASTRUCTURE

Differences in the architecture of cytoplasmic and intracytoplasmic membranes of three chemotrophically and phototrophically grown species of the Rhodospirillaceae. Golecki JR, et al. **J Bacteriol** 1980 Nov;144(2):781–8

RHODOPSIN see under **RETINAL PIGMENTS**

RHODOSPIRILLACEAE

ENZYMOLOGY

Pyridine nucleotide control and subunit structure of phosphoribulokinase from photosynthetic bacteria. Tabita FR. **J Bacteriol** 1980 Sep;143(3):1275–80

METABOLISM

[Thiosulfate oxidation by nonsulfur purple bacteria] Keppen OI, et al. **Mikrobiologiia** 1980 Sep–Oct;49(5):682–6 (Eng. Abstr.) **(Rus)**

RHODOSPIRILLALES

Orientation of pigments and pigment-protein complexes in the green photosynthetic bacterium Prosthecochloris aestuarii. Swarthoff T, et al. **Biochim Biophys Acta** 1980 Nov 5;593(1):51–9

ENZYMOLOGY

[ATP-dependent citrate lyase in the green phototrophic bacterium, Chlorobium limicola] Sintsov NV, et al. **Mikrobiologiia** 1980 Jul–Aug;49(4):514–6 (Eng. Abstr.) **(Rus)**

RHODOSPIRILLUM

ANALYSIS

Structure of the heptose region of lipopolysaccharies from Rhodospirillum tenue. Radziejewska-Lebrecht J, et al. **J Bacteriol** 1981 Jan;145(1):138–44

ULTRASTRUCTURE

Differences in the architecture of cytoplasmic and intracytoplasmic membranes of three chemotrophically and phototrophically grown species of the Rhodospirillaceae. Golecki JR, et al. **J Bacteriol** 1980 Nov;144(2):781–8

RHODOSPIRILLUM RUBRUM

ANALYSIS

The photoreaction center of Rhodospirillum rubrum mutant strain F24.1. Picorel R, et al. **Biochim Biophys Acta** 1980 Nov 5;593(1):76–84

X-ray diffraction studies on chromatophore membrane from photosynthetic bacteria. I. Diffraction pattern of the photoreaction unit isolated from Rhodospirillum rubrum chromatophore and some characteristics of the structure. Kataoka M, et al. **J Biochem (Tokyo)** 1981 Jan;89(1):71–8

ENZYMOLOGY

Energy-linked reactions in photosynthetic bacteria: Pi in equilibrium with HOH oxygen exchange catalyzed by the membrane-bound inorganic pyrophosphatase of Rhodospirillum rubrum. Harvey GW, et al. **Arch Biochem Biophys** 1981 May;208(2):426–30

ATP synthesis catalyzed by the ATPase complex from Rhodospirillum rubrum reconstituted into phospholipid vesicles together with bacteriorhodopsin. Oren R, et al. **Arch Biochem Biophys** 1980 Dec;205(2):503–9

Sequences of tryptic peptides containing five cysteinyl residues of ribulosebisphosphate carboxylase/oxygenase from Rhodospirillum rubrum. Stringer CD, et al. **Arch Biochem Biophys** 1981 May;208(2):495–501

Conversion of the Ca2+-ATPase from rhodospirillum rubrum into a Mg2+-dependent enzyme by 1,N6-etheno ATP. Schäfer HJ, et al. **Biochem Biophys Res Commun** 1980 Aug 14;95(3):1113–8

Isolation and sequence of the pyridoxal 5'-phosphate active-site peptide from Rhodospirillum rubrum ribulose-1,5-bisphosphate carboxylase/oxygenase. Robison PD, et al. **Biochemistry** 1980 Oct 14;19(21):4848–53

Control of 5-aminolevulinic acid synthetase activity in phototrophic facultative bacteria. Purification and some properties of the enzyme from Rhodospirillum rubrum. Kreit J. **Biochimie** 1981;63(5):439–44

Energy-linked reactions catalyzed by the purified ATPase complex (F0F1) from Rhodospirillum rubrum chromatophores. Schneider E, et al. **Eur J Biochem** 1980; 108(1):331–6

Two sequence-specific deoxyribonucleases from Rhodospirillum rubrum. Duyvesteyn MG, et al. **FEBS Lett** 1980 Aug 11;117(1):241–6

Inhibition of nitrogenase activity by NH+4 in Rhodospirillum rubrum. Sweet WJ, et al. **J Bacteriol** 1981 Feb;145(2):824–31

Biosynthesis of bacterial glycogen: purification and structural properties of Rhodospirillum tenue adenosine diphosphate glucose synthetase. Yung SG, et al. **J Bacteriol** 1981 Jul; 147(1):101–9

METABOLISM

Nuclear magnetic resonance studies of Rhodospirillum rubrum cytochrome c'. Emptage MH, et al. **Biochemistry** 1981 Jan 6;20(1):58–64

A low-angle laser light scattering study of the association behavior of a major membrane protein of Rhodospirillum rubrum chromatophore at various concentrations of sodium dodecyl sulfate where polypeptides derived from water-soluble globular proteins are solubilized monomerically. Miyake J, et al. **Biochim Biophys Acta** 1981 Apr 28;668(2):290–8

The inhibition of photosynthetic electron transfer in Rhodospirillum rubrum by N ,N' -dicyclohexylcarbodiimide. Pototsky NYa, et al. **Biochim Biophys Acta** 1981 Feb 12;634(2):266–70

Carotenoid triplet yields in normal and deuterated Rhodospirillum rubrum. Rademaker H, et al. **Biochim Biophys Acta** 1980 Sep 5;592(2):240–57

Effect of L-methionine-DL-sulphoximine on the photoproduction of hydrogen by Rhodospirillum rubrum. Zürrer H, et al. **Experientia** 1980 Oct 15;36(10):1166–7

Evidence for a correlation between the photoinduced electron transfer and dynamic properties of the chromatophore membranes from Rhodospirillum rubrum. Parak F, et al. **FEBS Lett** 1980 Aug 11;117(1):368–72

Effect of oxygen on acetylene reduction by photosynthetic bacteria. Hochman A, et al. **J Bacteriol** 1981 Aug; 147(2):492–9

[Charge transfer in the primary processes of photosynthesis] Kireev VB, et al. **Biofizika** 1981 Jan–Feb;26(1):12–6 (Eng. Abstr.) **(Rus)**

[Photooxidation and light-induced transport of phenazine methosulfate in chromatophores of purple bacteria] Bulychev AA, et al. **Biokhimiia** 1981 Jun;46(6):1057–66 (Eng. Abstr.) **(Rus)**

[Cyclic electron transfer and membrane potential generation in chromatophores on non-sulfur bacteria Rhodospirillum rubrum] Remennikov VG, et al. **Biokhimiia** 1980 Jul; 45(7):1298–304 (Eng. Abstr.) **(Rus)**

[Kinetics of the generation of a photo-induced electric potential in chromatophores of photosynthetizing bacteria] Semenov AIu, et al. **Mol Biol (Mosk)** 1981 May–Jun; 15(3):622–35 **(Rus)**

[Conformational mobility and theory of the Mössbauer effect in biological systems. (Model of a Brownian oscillator strongly damped for conformational modes)] Shaitan KV, et al. **Mol Biol (Mosk)** 1980 Nov–Dec;14(6):1323–35 (Eng. Abstr.) **(Rus)**

[Kinetics of ubisemiquinone redox changes in primary reactions of bacterial photosynthesis] Verkhovskiĭ MI, et al. **Mol Biol (Mosk)** 1981 May–Jun;15(3):589–600 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

[Study of microwave photolosses in chromatophores of photosynthesizing Rhodospirillum rubrum bacteria] Skachkov MP, et al. **Biofizika** 1981 Jan–Feb;26(1):69–73 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Differences in the architecture of cytoplasmic and intracytoplasmic membranes of three chemotrophically and phototrophically grown species of the Rhodospirillaceae. Golecki JR, et al. **J Bacteriol** 1980 Nov;144(2):781–8

[Structural organization of membranes reconstituted from phospholipids and subchromatophore pigment-protein complexes] Kondrashin AA, et al. **Biokhimiia** 1980 Aug; 45(8):1510–6 (Eng. Abstr.) **(Rus)**

RHODOTORULA see under **MONILIALES**

RHOMBENCEPHALIC SLEEP see **SLEEP, REM**

RHONCHI see **RESPIRATORY SOUNDS**

RHUBARB see under **PLANTS, MEDICINAL**

RHUS

Recognizing poison ivy and related plants in Indiana. Guin JD, et al. **J Indiana State Med Assoc** 1980 May;73(5):306–8

CLASSIFICATION

Recognizing the Toxicodendrons (poison ivy, poison oak, and poison sumac). Guin JD, et al. **J Am Acad Dermatol** 1981 Jan;4(1):99–114

RHUS DERMATITIS see **POISON IVY DERMATITIS**

RHYTHM METHOD

Comparative evaluation of two methods of natural family planning in Columbia. Medina JE, et al. **Am J Obstet Gynecol** 1980 Dec 15;138(8):1142–7

Ovulation method of contraception [letter] Billings JJ. **Med J Aust** 1981 Jan 10;1(1):45–6

RIB FRACTURES

COMPLICATIONS

[Clinical significance of first or second rib fracture in closed thoracic injuries (author's transl)] Chen ZH. **Chung Hua Wai Ko Tsa Chih** 1981 Mar;19(3):152–4 (Eng. Abstr.) **(Chi)**

[A case of intercostal hernia in a patient with mixed respiratory insufficiency] Bettler S, et al. **Rev Med Suisse Romande** 1980 May;100(5):443–5 **(Fre)**

DIAGNOSIS

[Results of follow-up studies and problems of appraisal in serial rib fractures] Arnold K, et al. **Z Aerztl Fortbild (Jena)** 1980 Aug 15;74(16):771–9 **(Ger)**

[Problems of diagnosis and expertise in rib fractures] Lebedev SD. **Sov Med** 1980;(9):116 **(Rus)**

MORTALITY

Morbidity and mortality rates in major blunt trauma to the upper chest. Poole GV Jr, et al. **Ann Surg** 1981 Jan; 193(1):70–5

PHYSIOPATHOLOGY

[Gas exchange, central hemodynamics and oxygen consumption in patients with injuries of the locomotor apparatus] Gudushauri ON, et al. **Ortop Travmatol Protez** 1981 Feb;(2):63–6 (Eng. Abstr.) **(Rus)**

[State of the respiratory function in closed thoracic trauma] Makarova NP, et al. **Vestn Khir** 1980 Jul;125(7):73–8 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Use of the air-inflated jacket in football. Cain TE, et al. **Am J Sports Med** 1981 Jul–Aug;9(4):240–3

RADIOGRAPHY

Pseudarthrosis at the first sternocostal synchondrosis. Brower AC, et al. **AJR** 1980 Dec;135(6):1276–7

First rib fractures: incidence of vascular injury and indications for angiography. Phillips EH, et al. **Surgery** 1981 Jan;89(1):42–7

[Interlobar–intrapulmonary dislocation of a rib fragment in a child] Bohutová J, et al. **ROEFO** 1981 Mar;134(3):321–2 **(Ger)**

[An indicative radiological sign of neglected rib fractures with special reference to occupational traumas (author's transl)] Moreschi N, et al. **Med Lav** 1980 Mar–Apr; 71(2):167–73 (Eng. Abstr.) **(Ita)**

RADIONUCLIDE IMAGING

Differentiation of rib fractures from metastases by bone scanning. Harbert JC, et al. **Clin Nucl Med** 1981 Aug; 6(8):359–61

Unsuspected costo–vertebral fractures demonstrated by bone scanning in the child abuse syndrome. Smith FW, et al. **Pediatr Radiol** 1980 Nov;10(2):103–6

[Scintigraphic diagnosis of sport injuries: multiple fractures of ribs by golf–players (author's transl)] Pohle W, et al. **ROEFO** 1981 Feb;134(2):196–8 (Eng. Abstr.) **(Ger)**

[Study of bone scintigram of patients who suffer fracture of the ribs (author's transl)] Ichinohe H. **Radioisotopes** 1980 Jun;29(6):299–301 **(Jpn)**

SURGERY

[Indications for thoracotomy and rib stabilization in thoracic trauma in the aged] Labitzke R, et al. **Chirurg** 1980 Sep; 51(9):576–80 (Eng. Abstr.) **(Ger)**

[Surgical treatment of post–traumatic mobile costal flaps] Sartori F, et al. **Minerva Chir** 1980 Oct 31;35(20):1589–600 (Eng. Abstr.) **(Ita)**

[Voletopexy: fixation of flail ribs (personal procedure)] Baranetchi C, et al. **Rev Chir [Chir]** 1981 Mar–Apr; 30(2):97–9 (Eng. Abstr.) **(Rum)**

[Osteosynthesis technic in multiple rib fractures] Shapot IuB, et al. **Vestn Khir** 1981;126(5):110–3 **(Rus)**

[Clinical evaluation of extramedullary osteosynthesis in multiple rib fractures in conjunction with severe mechanical trauma and accompanying shock] Shapot IuB, et al. **Vestn Khir** 1980 Jun;124(6):95–7 (Eng. Abstr.) **(Rus)**

THERAPY

[Thoracic epidural analgesic (TEA) or controlled ventilation in the treatment of patients with multiple rib fractures (author's transl)] Dittmann M, et al. **Langenbecks Arch Chir** 1980;353(2):139–42 (Eng. Abstr.) **(Ger)**

RIBAVIRIN see under **RIBONUCLEOSIDES**

RIBITOL see under **SUGAR ALCOHOLS**

RIBOFLAVIN

The interaction of flavins with egg white riboflavin–binding protein. Choi JD, et al. **Arch Biochem Biophys** 1980 Oct 1;204(1):41–51

On the molecular and submolecular structure of the semiquinone cations of alloxazines and isoalloxazines as revealed by electron–paramagnetic–resonance spectroscopy. Müller F, et al. **Eur J Biochem** 1981 May; 116(1):17–25

Resonance Raman spectra of semiquinone forms of flavins bound to riboflavin binding protein. Nishina Y, et al. **J Biochem (Tokyo)** 1980 Aug;88(2):411–6

Vibrational modes of flavin bound to riboflavin binding protein from egg white. Resonance Raman spectra of lumiflavin and 8–substituted riboflavin. Nishina Y, et al. **J Biochem (Tokyo)** 1980 Aug;88(2):403–9

Photodynamic reaction of riboflavin and deoxyguanosine. Ennever JF, et al. **Pediatr Res** 1981 Jun;15(6):956–8

ANALOGS & DERIVATIVES

Levels of coenzyme F420, coenzyme M, hydrogenase, and methylcoenzyme M methylreductase in acetate–grown Methanosarcina. Baresi L, et al. **Appl Environ Microbiol** 1981 Feb;41(2):388–91

Antihypertensive effect of riboflavin analogs in rats with mineralocorticoid–induced hypertension. Trachewsky D. **Hypertension** 1981 Jan–Feb;3(1):75–80

Resonance Raman spectra of semiquinone forms of flavins bound to riboflavin binding protein. Nishina Y, et al. **J Biochem (Tokyo)** 1980 Aug;88(2):411–6

Vibrational modes of flavin bound to riboflavin binding protein from egg white. Resonance Raman spectra of lumiflavin and 8–substituted riboflavin. Nishina Y, et al. **J Biochem (Tokyo)** 1980 Aug;88(2):403–9

Brain monoamine oxidase and replacement of its coenzyme flavin in rats. Dix BA, et al. **J Nutr** 1981 Aug; 111(8):1397–402

Effect of riboflavon analogs on the growth of Tetrahymena pyriformis. Wallace WC, et al. **J Nutr** 1980 Oct; 110(10):2113–6

[Overproduction of riboflavin in mutants of Pichia guilliermondii yeasts resistant to 7–methyl–8–trifluoromethyl–10–(1'–D–ribityl)isoalloxazine Shavlovskiĭ GM, et al. **Mikrobiologiia** 1980 Sep–Oct; 49(5):702–7 (Eng. Abstr.) **(Rus)**

ANALYSIS

Further studies of the riboflavin–binding immunoglobulin IgGGar. Resolution into fractions of different riboflavin content and aspects of reassembly. Chang MY, et al. **Biochemistry** 1981 May;20(10):2916–21

A method for quantitation of vitamin B2 by using an enzyme (producing vitamin B2–aldehyde) from Schizophyllum commune. Tachibana S, et al. **J Nutr Sci Vitaminol (Tokyo)** 1980;26(5):419–26

Simultaneous determination of niacinamide, pyridoxine, riboflavin, and thiamine in multivitamin products by high–pressure liquid chromatography. Walker MC, et al. **J Pharm Sci** 1981 Jan;70(1):99–101

[Effect of food handling on the retention of group B vitamins. II. Riboflavin and niacin] Secomska B, et al. **Rocz Panstw Zakl Hig** 1980;31(3):237–42 (Eng. Abstr.) **(Pol)**

BIOSYNTHESIS

[Detection of phosphorylated pyrimidine precursors of riboflavin in yeasts] Logvinenko EM, et al. **Biokhimiia** 1980 Jul;45(7):1284–92 (Eng. Abstr.) **(Rus)**

[Overproduction of riboflavin in mutants of Pichia guilliermondii yeasts resistant to 7–methyl–8–trifluoromethyl–10–(1'–D–ribityl)isoalloxazine Shavlovskiĭ GM, et al. **Mikrobiologiia** 1980 Sep–Oct; 49(5):702–7 (Eng. Abstr.) **(Rus)**

BLOOD

Riboflavin status in Gambian pregnant and lactating women and its implications for Recommended Dietary Allowances. Bates CJ, et al. **Am J Clin Nutr** 1981 May;34(5):928–35

Vitamin utilization status in chronic alcoholics. Majumdar SK, et al. **Int J Vitam Nutr Res** 1981;51(1):54–8

[Levels of riboflavin in the blood of normal newborns and during phototherapy for hyperbilirubinemia] Hodr R, et al. **Cesk Pediatr** 1981 Feb;36(2):62–4 (Eng. Abstr.) **(Cze)**

[The action of phototherapy on total plasma riboflavin in hyperbilirubinemic newborn infants] Cocchi G, et al. **Minerva Pediatr** 1980 Sep 15;32(17):1069–72 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

Avian riboflavinuria––XI. Immunological quantitation of cross–reacting liver proteins from normal, heterozygous, and mutant hens. Ramanathan L, et al. **Biochem Genet** 1980 Dec;18(11–12):1131–48

METABOLISM

Vitamin B1, B2, B6, and C status in hospital inpatients. Lemoine A, et al. **Am J Clin Nutr** 1980 Dec; 33(12):2595–600

Interactions of thiamin, riboflavin, and other B–vitamins. Sauberlich HE. **Ann NY Acad Sci** 1980;355:80–97 (62 ref.)

Further studies on the riboflavin–binding immunoglobulin IgGGar. Equilibrium and kinetic aspects of the interaction. Chang MY, et al. **Biochemistry** 1981 May;20(10):2922–6

Inhibition of riboflavin metabolism in rat tissues by chlorpromazine, imipramine, and amitriptyline. Pinto J, et al. **J Clin Invest** 1981 May;67(5):1500–6

Riboflavin transport in the central nervous system. Characterization and effects of drugs. Spector R. **J Clin Invest** 1980 Oct;66(4):821–31

Riboflavin homeostasis in the central nervous system. Spector R. **J Neurochem** 1980 Jul;35(1):202–9

Uptake and binding of riboflavin by membrane vesicles of Bacillus subtilis. Cecchini G, et al. **J Supramol Struct** 1980; 13(1):93–100

Riboflavin accumulation by cells of the yeast Pichia (Candida) guilliermondii. Straube G. **Z Allg Mikrobiol** 1980;20(3):215–8

[Effect of methionine supplementation of a diet low in riboflavin and at 2 levels of protein on metabolism of riboflavin in the lactating rat] Leclerc J. **Ann Nutr Aliment** 1980;34(4):641–55 (Eng. Abstr.) **(Fre)**

[Changes in the content of riboflavin and its coenzyme in tissues during the aging of rats] Leclerc J, et al. **Ann Nutr Metab** 1981 Jan–Feb;25(1):20–6 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Kinetics of self–sensitized and riboflavin–sensitized photodegradation of bilirubin. Meisel P, et al. **Acta Biol Med Ger** 1980;39(7):763–70

Stimulation of glucose oxidation and transport in isolated rat adipocytes by riboflavin and visible light. Goodman JM, et al. **Arch Biochem Biophys** 1981 May;208(2):380–7

Glutathione reductase activity and pyridoxine (pyridoxamine) phosphate oxidase activity in the red cell. Clements JE, et al. **Biochim Biophys Acta** 1980 Oct 1; 632(2):159–63

Photodegradation of DNA with fluorescent light in the presence of riboflavin, and photoprotection by flavin triplet–state quenchers. Korycka–Dahl M, et al. **Biochim Biophys Acta** 1980 Dec 11;610(2):229–34

The effect of riboflavin on red–cell vitamin B6 metabolism and globin synthesis. Perry GM, et al. **Biomedicine [Express]** 1980 Apr;33(2):36–8

Photodynamic effects of rose bengal or riboflavin on carrier–mediated transport systems in rat lens. Jernigan HM Jr, et al. **Exp Eye Res** 1981 Apr;32(4):461–6

Effect of riboflavin and folic acid supplementation on some haematopoietic parameters in the rat. Dako DY, et al. **Int J Vitam Nutr Res** 1980;50(3):254–60

Effect of strain, sex and dietary riboflavin on pyridoxamine (pyridoxine) 5'–phosphate oxidase activity in rat tissues. Rasmussen KM, et al. **J Nutr** 1980 Oct;110(10):1940–6

[Increase in yeast and bacterial sensitivity to inhibitors and riboflavin as affected by high sulfate and phosphate concentrations] Sibirnyĭ AA, et al. **Mikrobiologiia** 1981 Mar–Apr;50(2):242–8 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Kinetics of phototoxicity of Fischer's medium for L5178Y leukemic cells. Griffin FM, et al. **Cancer Res** 1981 Jun; 41(6):2241–8

SECRETION

Identification of riboflavin in porcine uterine secretions. Moffatt RJ, et al. **Biol Reprod** 1980 Sep;23(2):331–5

THERAPEUTIC USE

Congenital methaemoglobinaemia due to NADH methaemoglobin reductase deficiency: successful treatment with oral riboflavin. Hirano M, et al. **Br J Haematol** 1981 Mar;47(3):353–9

The prevention of alcoholic fatty liver using dietary supplements: dihydroxyacetone, pyruvate and riboflavin compared to arachidonic acid in pair–fed rats. Goheen SC, et al. **Lipids** 1981 Jan;16(1):43–51

URINE

Fluorometric apoprotein titration of urinary riboflavin. Tillotson JA, et al. **Anal Biochem** 1980 Sep 1;107(1):214–9

[Riboflavin metabolism in iron–deficiency anemia] Sukhanov IuS, et al. **Sov Med** 1981;(1):42–5 (Eng. Abstr.) **(Rus)**

RIBOFLAVIN DEFICIENCY

BLOOD

[Red blood cell enzymes in vitamin B1 and B2 deficiency (author's transl)] Vertongen F, et al. **Rev Med Brux** 1981 Mar;2(3):309–13 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Cataracts and riboflavin deficiency. Skalka HW, et al. **Am J Clin Nutr** 1981 May;34(5):861–3

Vitamins and alcoholism. V. Riboflavin, VI. Niacin, VII. Pantothenic acid, and VIII. Biotin. Bonjour JP. **Int J Vitam Nutr Res** 1980;50(4):425–40 (92 ref.)

Riboflavin deficiency and cataract formation. Skalka HW, et al. **Metab Pediatr Ophthalmol** 1981;5(1):17–20

DIAGNOSIS

Red cell enzyme tests of vitamin status: do marginal deficiencies have any physiological significance? Thurnham DI. **Proc Nutr Soc** 1981 May;40(2):155–63 (82 ref.)

[A case of palpebral ariboflavinosis] Dufier JL, et al. **Bull Soc Ophtalmol Fr** 1980 Dec;80(12):1173–4 **(Fre)**

DRUG THERAPY

[Effect of the combined use of flavin coenzyme preparations and pyridoxine on the body vitamin balance in animals] Stroev EA, et al. **Farmakol Toksikol** 1980 Sep–Oct; 43(5):601–3 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Monoamine oxidase A and B activities in liver of riboflavin–deficient rats. Kwatra MM, et al. **Biochem Pharmacol** 1980 Oct 1;29(19):2693–4

A biochemical evaluation of the erythrocyte glutathione reductase (EC 1.6.4.2) test for riboflavin status. 2. Dose–response relationships in chronic marginal deficiency. Prentice AM, et al. **Br J Nutr** 1981 Jan; 45(1):53–65

A biochemical evaluation of the erythrocyte glutathione reductase (EC 1.6.4.2) test for riboflavin status. 1. Rate and specificity of response in acute deficiency. Prentice AM, et al. **Br J Nutr** 1981 Jan;45(1):37–52

METABOLISM

Effects of riboflavin deficiency on lipid peroxidation of rat liver microsomes. Taniguchi M. **J Nutr Sci Vitaminol (Tokyo)** 1980;26(4):401–13

Hepatic drug metabolism during ethanol ingestion in riboflavin deficient rats. Hietanen E, et al. **Toxicology** 1980; 16(2):103–11

PATHOLOGY

Ultrastructural effects of riboflavin deficiency on rat hepatic mitochondria. Tandler B, et al. **Anat Rec** 1980 Feb; 196(2):183–90

Ultrastructural changes of renal tubules in the riboflavin deficient mouse. Kobayashi K, et al. **Virchows Arch [Cell Pathol]** 1980;34(2):99–109

VETERINARY

Biomicroscopic and histologic pathology of the eye in riboflavin deficient rainbow trout (Salmogairdneri). Hughes SG, et al. **Cornell Vet** 1981 Jul;71(3):269–79

Embryonic death in mink due to riboflavin deficiency. Helgebostad A. **Nord Vet Med** 1980 Jul–Aug;32(7–8):313–7

RIBOFLAVIN SYNTHASE see under **TRANSFERASES**

RIBONUCLEASE

Rapid analysis of modified tRNAphe from yeast by high-performance liquid chromatography: chromatography of oligonucleotides after RNase T1 digestion on aminopropylsilica and assignment of the fragments based on nucleoside analysis by chromatography on C18-silica. McLaughlin LW, et al. **Anal Biochem** 1981 Mar 15;112(1):60–9

The pentaammineruthenium(III)histidine complex in ribonuclease A: application to the assignment of histidine proton resonances. Matthews CR, et al. **Anal Biochem** 1981 Apr;112(2):329–37

Tritium labeling of thermolysin, elastase, and ribonuclease by exposure to tritium gas at low pressure. Lively MO, et al. **Arch Biochem Biophys** 1980 Oct 15;204(2):589–99

Veal heart ribonuclease P has an essential RNA component. Akaboshi E, et al. **Biochem Biophys Res Commun** 1980 Sep 30;96(2):831–7

Laser photo-CIDNP NMR of pyridoxal phosphate and pyridoxyllysine residues: an extrinsic probe for non-aromatic amino acid residues in proteins. Lerman CL, et al. **Biochem Biophys Res Commun** 1980 Nov 17; 97(1):121–5

Complexing reverse transcriptase with polyspermine-ribonuclease. Bandyopadhyay AK, et al. **Biochem J** 1980 Jul 1;189(1):89–93

Circular dichroism, Raman spectroscopy, and gel filtration of trapped folding intermediates of ribonuclease. Galat A, et al. **Biochemistry** 1981 Feb 3;20(3):594–601

Specific solvent effects on the thermal denaturation of ribonuclease. Effect of dimethyl sulfoxide and p-dioxane on thermo dynamics of denaturation. Jacobson AL, et al. **Biochemistry** 1980 Sep 16;19(19):4534–8

Structural intermediates trapped during the folding of ribonuclease A by amide proton exchange. Kim PS, et al. **Biochemistry** 1980 Dec 23;19(26):6124–9

Use of difference boundary sedimentation velocity to investigate nonspecific protein–nucleic acid interactions. Lohman TM, et al. **Biochemistry** 1980 Jul 22;19(15):3516–22

The pentaammineruthenium(III)–histidine complex in ribonuclease A as an optical probe of conformational change. Matthews CR, et al. **Biochim Biophys Acta** 1980 Aug 21;624(2):499–510

Dynamic light scattering studies of ribonuclease. Wang CC, et al. **Biophys Chem** 1980 Jun;11(3–4):439–42

Pancreatic ribonucleases of mammals with ruminant-like digestion. Amino-acid sequences of hippopotamus and sloth ribonucleases. Havinga J, et al. **Eur J Biochem** 1980 Sep;110(1):131–42

Crystallization of a complex between ribonuclease T1 and 2'-guanylic acid. Heinemann U, et al. **Eur J Biochem** 1980 Aug;109(1):109–14

A native-like intermediate on the ribonuclease A folding pathway. I. Detection by tyrosine fluorescence changes. Schmid FX. **Eur J Biochem** 1981;114(1):105–9

A three-disulphide intermediate in refolding of reduced ribonuclease A with a folded conformation. Creighton TE. **FEBS Lett** 1980 Sep 8;118(2):283–8

Reaction of bovine pancreatic ribonuclease A with 6-chloropurine riboside 5'-monophosphate. Nuclear magnetic resonance studies of the corresponding S-peptide. Parés X, et al. **Int J Pept Protein Res** 1980 Oct;16(4):241–4

Irreversible thermal denaturation of bovine pancreatic ribonuclease-A. Physico-chemical characterization of initial products. Ramnath S, et al. **Int J Pept Protein Res** 1981 Jan;17(1):107–17

Nuclear magnetic resonance study on the microenvironments of histidine residues of ribonuclease T1 and carboxymethylated ribonuclease T1. Inagaki F, et al. **J Biochem (Tokyo)** 1981 Apr;89(4):1185–95

Structural study of the carbohydrate moiety of bovine pancreatic ribonuclease B. Liang CJ, et al. **J Biochem (Tokyo)** 1980 Jul;88(1):51–8

Carboxamidomethylation of a ribonuclease from Aspergillus saitoi. Ohgi K, et al. **J Biochem (Tokyo)** 1980 Nov; 88(5):1331–9

Structure and dynamic behavior of the oligosaccharide side chain of bovine pancreatic ribonuclease B. Application of carbon 13 nuclear magnetic resonance spectroscopy. Berman E, et al. **J Biol Chem** 1981 Apr 25;256(8):3853–7

Ultrastructural localization of nuclei acids by the use of enzyme-gold complexes. Bendayan M. **J Histochem Cytochem** 1981 Apr;29(4):531–41

Amino acid composition of RNAase from seminal plasma: a correction. Bhargava PM, et al. **J Mol Biol** 1981 Feb 25;146(2):265–7

Bull semen RNAase revisited. D'Alessio G, et al. **J Mol Biol** 1981 Feb 25;146(2):269–74

Hydrogen exchange from identified regions of the S-protein component of ribonuclease as a function of temperature, pH, and the binding of S-peptide. Rosa JH, et al. **J Mol Biol** 1981 Feb 5;145(4):835–51

Crystallization of ribonuclease St. Yamamoto Y, et al. **J Mol Biol** 1981 Jan 5;145(1):285–7

Rapid cataloging of ribonuclease T1 resistant oligonucleotides from ribosomal RNAs for phylogenetic studies. Stackebrandt E, et al. **J Mol Evol** 1981;17(4):227–36

Design, synthesis and characterisation of a 34-residue polypeptide that interacts with nucleic acids. Gutte B, et al. **Nature** 1979 Oct 25;281(5733):650–5

Orientation of histidine residues in RNase A: neutron diffraction study. Wlodawer A, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):2853–5

The peptidases of intestinal mucosa. Smith EL, et al. **UCLA Forum Med Sci** 1979;(21):2–19 (92 ref.)

[Substrate specificity of Bacillus subtilis intracellular serine protease. Hydrolysis of insulin beta-chain, native ribonuclease A and p-nitroanilide peptide substrates] Markarian AN, et al. **Biokhimiia** 1980 Jul;45(7):1319–28 (Eng. Abstr.) **(Rus)**

ANALYSIS

A simple qualitative method for the detection of nucleases. Burke WF Jr, et al. **Anal Biochem** 1980 Nov 1;108(2):320–4

A positive zymogram for distinguishing among RNase and phosphodiesterases I and II. Hodes ME, et al. **Anal Biochem** 1981 Jan 1;110(1):150–2

Use of polynucleotide/polyacrylamide-gel electrophoresis as a sensitive technique for the detection and comparison of ribonuclease activities. Karpetsky TP, et al. **Biochem J** 1980 Aug 1;189(2):277–84

Biochemical and immunological properties of the DNA polymerase and RNAase H activities of purified feline leukemia virus reverse transcriptase. Rho HM, et al. **Cancer Lett** 1980 Sep;10(3):207–21

Isozymes of ribonuclease in human serum and urine. I. Methodology and a survey of a control population. Thomas JM, et al. **Clin Chim Acta** 1981 Apr 9;111(2–3):185–97

Isozymes of ribonuclease in human serum and urine. II. A survey of patients with cystic fibrosis. Thomas JM, et al. **Clin Chim Acta** 1981 Apr 9;111(2–3):199–209

Nuclear magnetic resonance study of a hybrid of bovine and rat ribonuclease. Beintema JJ, et al. **Int J Pept Protein Res** 1980 May;15(5):455–8

ANTAGONISTS & INHIBITORS

The action of bovine spleen cathepsins B and D on the cytoplasmic ribonuclease inhibitor from rat liver. Fuhge P, et al. **Hoppe Seylers Z Physiol Chem** 1980 Dec; 361(12):1781–5

Ribonuclease inhibitor from bovine brain. Burton LE, et al. **Int J Pept Protein Res** 1980 Nov;16(5):359–64

Inactivation of the ribonucleic acid-processing enzyme ribonuclease E blocks cell division. Goldblum K, et al. **J Bacteriol** 1981 Apr;146(1):128–32

The role of lysine-41 of ribonuclease A in the interaction with RNase inhibitor from human placenta. Blackburn P, et al. **J Biol Chem** 1980 Nov 25;255(22):10959–65

Isolation of giant silk fibroin polysomes and fibroin mRNP particles using a novel ribonuclease inhibitor, hydroxystilbamidine. Lizardi PM. **J Cell Biol** 1980 Oct; 87(1):292–6

BIOSYNTHESIS

The occurrence of two ribosomal ribonucleases depending on growth phase in yeast. Induction of ribonuclease in glucose-starved cells. Swida U, et al. **Biochim Biophys Acta** 1981 Jan 29;652(1):129–38

Functional inactivation of lac alpha-peptide mRNA by a factor that purifies that Escherichia coli RNase III. Shen V, et al. **J Biol Chem** 1981 Feb 25;256(4):1896–902

Production of deoxyribonuclease, ribonuclease, coagulase, and hemolysins by anaerobic gram-positive cocci. Marshall R, et al. **J Clin Microbiol** 1981 Apr;13(4):787–8

[Optimization of Bacillus intermedius cultivation conditions to increase biosynthesis of alkaline extracellular RNAase] Znamenskaia LV, et al. **Mikrobiologiia** 1980 Sep–Oct; 49(5):722–6 (Eng. Abstr.) **(Rus)**

BLOOD

Profiles of ribonuclease fractions in normal human polymorphonuclear neutrophilic leukocytes and in chronic granulocytic leukemia (CGL) leukocytes. Naskalski JW, et al. **Acta Med Pol** 1980;21(2):139–45

Ribonucleases of human serum, urine, cerebrospinal fluid, and leukocytes. Activity staining following electrophoresis in sodium dodecyl sulfate-polyacrylamide gels. Blank A, et al. **Biochemistry** 1981 Apr 14;20(8):2261–7

Increasing human serum ribonuclease activity is a concomitant phenomenon of ovarian carcinoma. Schleich HG, et al. **J Cancer Res Clin Oncol** 1980;97(3):307–14

Evidence of age-dependent activity increase of poly(C)-avid-serum ribonuclease in man. Francesconi M, et al. **J Clin Chem Clin Biochem** 1981 Jan;19(1):17–20

Ribonuclease as a tumour marker for pancreatic carcinoma. Doran G, et al. **J Clin Pathol** 1980 Dec;33(12):1212–3

[Serum ribonuclease activity in gynecologic neoplasms. The behavior of serum ribonuclease in ovarian cancer under cytostatic therapy] Schleich HG, et al. **Fortschr Med** 1980 Sep 25;98(36):1384–6 (Eng. Abstr.) **(Ger)**

[Diagnostic values of serum ribonuclease activities in pancreatic carcinoma (author's transl)] Igarashi F, et al. **Rinsho Byori** 1980 Nov;28(11):1141–4 **(Jpn)**

[Immunoenzyme mechanisms of nervous system disorders in mumps] Lobzin VS, et al. **Vrach Delo** 1981 Aug;(8):118–9 **(Rus)**

DEFICIENCY

Transfer RNA precursors are accumulated in Escherichia coli in the absence of RNase E. Ray BK, et al. **Eur J Biochem** 1981 Mar;114(3):517–24

GENETICS

The cII-independent expression of the phage lambda int gene in RNase III-defective E. coli. Belfort M. **Gene** 1980 Oct; 11(1–2):149–55

Cloning the gene for ribonuclease E, an RNA processing enzyme. Ray A, et al. **Gene** 1980 Dec;12(1–2):87–94

Isolation and mapping of a mutation in Escherichia coli with altered levels of ribonuclease H. Carl PL, et al. **J Bacteriol** 1980 Oct;144(1):28–35

Homology between prokaryotic and eukaryotic ribonucleases. Hartley RW. **J Mol Evol** 1980 Aug; 15(4):355–8

Precursors to 16S and 23S ribosomal RNA from a ribonuclear III-strain of Escherichia coli contain intact RNase III processing sites. Gegenheimer P, et al. **Nucleic Acids Res** 1980 Apr 25;8(8):1873–91

Identification of the dnaQ gene product and location of the structural gene for RNase H of Escherichia coli by cloning of the genes. Horiuchi T, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3770–4

[Ribonuclease activity linked to the colicinogenic plasmid Col V-K 30] Zaveniagina TN, et al. **Dokl Akad Nauk SSSR** 1980;252(5):1268–72 **(Rus)**

ISOLATION & PURIFICATION

The ribonucleases of bovine skeletal muscle. Davies GE, et al. **Biochem J** 1980 Aug 1;189(2):263–75

A rapid method for the isolation of ribonuclease from yeast (Saccharomyces carlsbergensis). Shetty JK, et al. **Biochem J** 1980 Aug 1;189(2):363–6

Purification and characterization of human pancreatic ribonuclease. Weickmann JL, et al. **Biochemistry** 1981 Mar 3;20(5):1272–8

Identification of ribonuclease P activity from chick embryos. Bowman EJ, et al. **Biochim Biophys Acta** 1980 Jun 13; 613(2):439–47

A simple method for elimination of RNAase contamination from DNAase preparations. Dimitriadis GJ. **J Biochem Biophys Methods** 1979 Dec;1(6):335–9

Purification of ribonuclease T1 by affinity chromatography. Kanaya S, et al. **J Biochem (Tokyo)** 1981 Feb;89(2):591–7

Purification by affinity chromatography and physicochemical properties of the guanine-specific ribonuclease of Fusarium moniliforme. Yoshida H, et al. **J Biochem (Tokyo)** 1980 Dec;88(6):1813–8

Purification, subunit structure, and serologicai analysis of calf thymus ribonuclease H I. Büsen. **J Biol Chem** 1980 Oct 10;255(19):9434–43

Escherichia coli RNase D. Purification and structural characterization of a putative processing nuclease. Cudny H, et al. **J Biol Chem** 1981 Jun 10;256(11):5627–32

Partial purification of RNase P from Schizosaccharomyces pombe. Kline L, et al. **J Biol Chem** 1981 May 25; 256(10):5058–63

Partial purification and characterisation of bat liver ribonuclease. Hydrolysis of purine and pyrimidine polynucleotides by bat liver RNase. Folayan JO, et al. **West Afr J Pharmacol Drug Res** 1979;5(1):71–6

[Complex isolation of intra- and extracellular RNases from Aspergillus clavatus] Beletskaia OP, et al. **Prikl Biokhim Mikrobiol** 1980 Jul–Aug;16(4):554–60 (Eng. Abstr.) **(Rus)**

[Modified method for producing ribonuclease A from amorphous and crystalline ribonucleases] Lebedev IuO, et al. **Prikl Biokhim Mikrobiol** 1981 Mar–Apr;17(2):247–53 (Eng. Abstr.) **(Rus)**

[Isolation and purification of alkaline ribonuclease from Bacillus intermedius] Leshchinskaia IB, et al. **Prikl Biokhim Mikrobiol** 1981 Mar–Apr;17(2):241–6 (Eng. Abstr.) **(Rus)**

METABOLISM

Rat brain ribonucleases. Franzoni L, et al. **Acta Physiol Lat Am** 1978;28(4–5):185–92

Rabbit cardiac immunoreactive cathepsin D content during starvation-induced atrophy. Samarel AM, et al. **Am J Physiol** 1981 Feb;240(2):H222–8

Calcium protects DNase I from proteinase K: a new method for the removal of contaminating RNase from DNase I. Tullis RH, et al. **Anal Biochem** 1980 Sep 1;107(1):260–4

Double-stranded RNA and the enzymology of interferon action. Lengyel P, et al. **Ann NY Acad Sci** 1980;350:441–7

Enhanced seminal plasma ribonuclease activities in azoospermia, severe oligiozoospermia, and asthenozoospermia. Biswas S, et al. **Arch Androl** 1980 May; 4(3):271–3

A ribonuclease specific for double-stranded RNA and two distinct ribonuclease H activities from the ribosomal salt wash fraction of Ehrlich ascites tumor cells. Avramova ZV, et al. **Arch Biochem Biophys** 1980 Oct 1;204(1):167–74

Inhibition of the vaccinia virus associated ribonuclease by Hela S3 cytosol. Canu A, et al.
Biochem Biophys Res Commun 1981 Apr 30;99(4):1403–10

Alteration of Escherichia coli RNase D by infection with bacteriophage T4. Cudny H, et al.
Biochem Biophys Res Commun 1981 Jan 15;98(1):337–45

Refolding kinetics of nitrated ribonuclease A. Garel JR.
Biochem Biophys Res Commun 1980 Dec 31;97(4):1339–45

Thermodynamic studies on the hydrolysis of cytidine 2':3'-phosphate by bovine pancreatic ribonuclease A. A possible effect of the change of the structure of water. Biosca JA, et al. **Biochem J** 1980 Sep 1;189(3):655–7

Alkaline ribonuclease in rat liver: effect of hypophysectomy and fasting. Moore WV, et al. **Biochem Med** 1981 Feb; 25(1):15–25

Partial digestion of tRNA--aminoacyl-tRNA synthetase complexes with cobra venom ribonuclease. Favorova OO, et al. **Biochemistry** 1981 Feb 17;20(4):1006–11

Mechanism of action of Moloney murine leukemia virus RNA-directed DNA polymerase associated RNase H (RNase H I). Gerard GF. **Biochemistry** 1981 Jan 20; 20(2):256–65

Mechanism of action of polymeric aurintricarboxylic acid, a potent inhibitor of protein--nucleic acid interactions. González RG, et al. **Biochemistry** 1980 Sep 2; 19(18):4299–303

Ribonucleic acid splicing in Neurospora Mitochondria: secondary structure of the 35S ribosomal precursor ribonucleic acid investigated by digestion with ribonuclease III and by electron microscopy. Grimm MF, et al.
Biochemistry 1981 May;20(10):2836–42

Properties of purified ribonuclease P from Escherichia coli. Kole R, et al. **Biochemistry** 1981 Mar 31;20(7):1902–6

Constrained configuration of double-stranded ribonucleic acid in HeLa hnRNP and its relaxation by ribonuclease D. Paoletti J, et al. **Biochemistry** 1980 Nov 11;19(23):5223–8

Human milk ribonuclease. Dalaly BK, et al.
Biochim Biophys Acta 1980 Oct;615(2):381–91

Partial purification and characterization of the components of the neutral ribonuclease II-inhibitor system of normal and distrophic mouse skeletal muscle. Little BW, et al.
Can J Biochem 1981 Mar;59(3):220–31

Extracellular nucleases of Lysobacter enzymogenes: production of the enzymes and purification and characterization of an endonuclease. von Tigerstrom RG.
Can J Microbiol 1980 Sep;26(9):1029–37

Deficiency of nuclease activity in ribosomes of three tumor types. Pulkrabek P, et al. **Cancer Lett** 1980 Dec; 11(2):103–11

Transfer RNA processing enzymes. Altman S. **Cell** 1981 Jan; 23(1):3–4

Intranuclear location of the tRNA splicing enzymes. De Robertis EM, et al. **Cell** 1981 Jan;23(1):89–93

A unique cap(m7GpppXm)-dependent influenza virion endonuclease cleaves capped RNAs to generate the primers that initiate viral RNA transcription. Plotch SJ, et al.
Cell 1981 Mar;23(3):847–58

Effect of polyamines on the activity of bovine pancreatic ribonuclease A using cyclic nucleotides, nucleotide benzyl esters, and polynucleotides as substrates. Kumagai H, et al. **Chem Pharm Bull (Tokyo)** 1980;28(4):1189–95

RNA polymerase and ribonuclease activities in skeletal muscle of prednisolone-treated rats. Onyezili FN, et al.
Enzyme 1981;26(4):211–4

Processing of naked 45-S ribosomal RNA precursor in vitro by an RNA-associated endoribonuclease. Denoya C, et al.
Eur J Biochem 1981 Apr;115(2):375–83

A native-like intermediate on the ribonuclease A folding pathway. 2. Comparison of its properties to native ribonuclease A. Schmid FX, et al. **Eur J Biochem** 1981; 114(1):111–7

Guanyl-specific ribonuclease from the fungus Penicillium chrysogenum strain 152 and its complex with guanosine 3'-phosphate studied by nuclear magnetic resonance. Yakovlev GI, et al. **Eur J Biochem** 1980 Aug;109(1):75–85

Evidence for the presence of two kinetically distinct active forms of ribonuclease T2. The pH dependence of the steady-state kinetic parameter, kcat, for transphosphorylation of both a natural and a synthetic substrate. Yasuda Y, et al. **Eur J Biochem** 1981 Feb; 114(2):229–34

Correction of the anomalous electrophoretic behavior of ribonuclease A. Thomas JM, et al. **Experientia** 1981 May 15;37(5):457–9

Hydrogen–tritium exchange and nuclear magnetic resonance titrations of the histidine residues in ribonuclease St and analysis of their microenvironment. Miyamoto K, et al.
J Biochem (Tokyo) 1981 Jan;89(1):49–59

Escherichia coli RNase D. Catalytic properties and substrate specificity. Cudny H, et al. **J Biol Chem** 1981 Jun 10; 256(11):5633–7

[13C]Methylated ribonuclease A. 13C NMR studies of the interaction of lysine 41 with active site ligands. Jentoft JE, et al. **J Biol Chem** 1981 Jan 10;256(1):231–6

A ribonuclease-resistant cytoplasmic 10 S ribonucleoprotein of chick embryonic muscle. A potent inhibitor of cell-free protein synthesis. Sarkar S, et al. **J Biol Chem** 1981 May 25;256(10):5077–86

Reactivity of the tryptophan residues in bovine pancreatic deoxyribonuclease with N-bromosuccinimide. Sartin JL, et al. **J Biol Chem** 1980 Sep 25;255(18):8633–7

Time-dependent changes of plasma ribonuclease activity in female Wistar rats under combination therapy of ovarian carcinoma. Wolf A, et al. **J Cancer Res Clin Oncol** 1980; 97(2):153–9

Immunohistochemical localization of pancreatic exocrine enzymes in normal and neoplastic pancreatic acinar epithelium of rat. Hansen LJ, et al.
J Histochem Cytochem 1981 Feb;29(2):309–13

Catalysis by protein-disulphide isomerase of the unfolding and refolding of proteins with disulphide bonds. Creighton TE, et al. **J Mol Biol** 1980 Sep 5;142(1):43–62

Identification of RNA molecules which contain 5 S ribosomal RNA and transfer RNA in an RNAase E-RNAase P-double mutant strain of Escherichia coli. Ray BK, et al.
J Mol Biol 1980 May 25;139(3):329–48

Partial characterization of ribonuclease (RNase) activity from the isolated and solubilized brush border of Hymenolepis diminuta. Gamble HR, et al. **J Parasitol** 1981 Jun; 67(3):372–7

Mechanism of action of Moloney murine leukemia virus RNase H III. Gerard GF. **J Virol** 1981 Feb;37(2):748–54

Polyoma virus minichromosomes: associated enzyme activities. Gourlie BB, et al. **J Virol** 1981 Jun;38(3):826–32

Specific interaction of base-specific nucleases with nucleosides and nucleotides. Egami F, et al.
Mol Biol Biochem Biophys 1980;32:250–77 (83 ref.)

Interferon action--sequence specificity of the ppp(A2'p)nA-dependent ribonuclease. Wreschner DH, et al. **Nature** 1981 Jan 29;289(5796):414–7

Ribonuclease activity in renal failure. Evidence for toxicity. Rabin EZ, et al. **Nephron** 1981;27(4–5):254–9

Phy M: an RNase activity specific for U and A residues useful in RNA sequence analysis. Donis-Keller H.
Nucleic Acids Res 1980 Jul 25;8(14):3133–42

Structural features of Bacillus precursor 5S RNA involved in the interaction with RNAase M5. Stiekema WJ, et al.
Nucleic Acids Res 1980 Nov 25;8(22):5411–21

Syntheses of some fluorescent ribonucleotides. Tsou KC, et al. **Nucleic Acids Res** 1980 Feb 11;8(3):567–72

A procedure for the rapid preparation of 14C-aminoacyl-transfer RNA and its use in the assay of class I ribonucleases and ribonuclease inhibitor. Goldman RE, et al. **Prep Biochem** 1981;11(1):49–67

Site-specific cleavage by T1 RNase of U-1 RNA in u-1 ribonucleoprotein particles. Epstein P, et al.
Proc Natl Acad Sci USA 1981 Mar;78(3):1562–6

Recognition of local nucleotide conformation in contrast to sequence by a rRNA processing endonuclease. Stahl DA, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):5644–8

Interferon action: RNA cleavage pattern of a (2'-5')oligoadenylate--dependent endonuclease.
Floyd-Smith G, et al. **Science** 1981 May 29; 212(4498):1030–2

[Changes of RNase activity on DIPN induced experimental pancreatic cancer (author's transl)] Funakoshi A, et al.
Nippon Shokakibyo Gakkai Zasshi 1980 Nov;77(11):1766–9 (Eng. Abstr.) **(Jpn)**

[Specificity of synthetic polyribonucleotides hydrolysis by endoribonuclease from cobra (Naja oxiana) venom] Magarill SA, et al. **Biokhimiia** 1981 Mar;46(3):408–13 (Eng. Abstr.) **(Rus)**

[Kinetic properties of alkaline ribonuclease from rat brain] Shelepina EP. **Biokhimiia** 1980 Jan;45(1):137–41 (Eng. Abstr.) **(Rus)**

[Addressed enzymatic fragmentation of RNA molecules] Meteleb VG, et al. **Mol Biol (Mosk)** 1980;14(1):200–11 (Eng. Abstr.) **(Rus)**

[Intracellular ribonucleases from Penicillin brevicompactum and their natural inhibitors] Zigel' M, et al.
Prikl Biokhim Mikrobiol 1981 Mar–Apr;17(2):203–9 **(Rus)**

[Molecular mechanisms of the interphase death of lymhoid cells. 2. The comparative characteristics of the postradiation degradation and nuclease digestion products of rat thymus chromatin] Zhivotovskiĭ BD, et al.
Radiobiologiia 1980 Jul–Aug;20(4):502–7 **(Rus)**

PHARMACODYNAMICS

Effects of purified macrophage RNase on granuloma fibroblasts with reference to silicosis. Aho S, et al.
Acta Physiol Scand 1980 Jul;109(3):275–81

Resistance of the peptidyltransferase centre of rabbit ribosomes to attack by nucleases and proteinases. Cox RA, et al. **Biochem J** 1980 Jul 15;190(1):199–214

In vitro studies on selective inhibition of tumor cell growth by seminal ribonuclease. Vescia S, et al. **Cancer Res** 1980 Oct;40(10):3740–4

Antitumoral action of bovine seminal ribonuclease. Vescia S, et al. **Mol Cell Biochem** 1981 May 26;36(3):125–8

[DNA-protein interactions. Destabilizing activity of sheep pancreatic RNAase] Furia A, et al.
Boll Soc Ital Biol Sper 1979 Feb 15;55(3):261–7 (Eng. Abstr.) **(Ita)**

[Ribosomal antigens of Trypanosoma cruzi. Effect of ribonuclease on their antigenic reactivity] Lopetegui R, et al. **Medicina (B Aires)** 1980;40 Suppl 1:91–6 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Ribonuclease H activity in rat mammary gland during the lactation cycle and in R3230AC mammary adenocarcinoma. Orloski JM, et al.
Biochim Biophys Acta 1980 Sep 17;632(1):1–10

SECRETION

[The secretion of pancreatic ribonuclease in patients with duodenal ulcer after surgical treatment (author's transl)] Miszczuk-Jamska B. **Przegl Lek** 1980;37(12):783–9 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

[Comparative study of the antiviral activity of pancreatic and microbial RNAse] Alekseeva II, et al. **Antibiotiki** 1981 Jul;26(7):527–32 (Eng. Abstr.) **(Rus)**

[Ribonuclease in the treatment of acute pancreatitis] Shimanko II, et al. **Sov Med** 1981;(1):50–4 (Eng. Abstr.) **(Rus)**

URINE

Multiple ribonucleases of human urine. Sugiyama RH, et al.
Biochemistry 1981 Apr 14;20(8):2268–74

Purification and properties of ribonucleases from human urine. Cranston JW, et al. **Biochim Biophys Acta** 1980 Dec 4;616(2):239–58

Purification and properties of human urine ribonucleases. Iwama M, et al. **J Biochem (Tokyo)** 1981 Apr;89(4):1005–16

RIBONUCLEIC ACID see **RNA**

RIBONUCLEOPROTEINS see under **NUCLEOPROTEINS**

RIBONUCLEOPROTEINS

METABOLISM

Characterization of protein kinase activity associated with rat liver polysomal messenger ribonucleoprotein particles. Cardelli J, et al. **Biochemistry** 1980 Jul 8;19(14):3164–9

RIBONUCLEOSIDE DIPHOSPHATE REDUCTASE see under **RIBONUCLEOTIDE REDUCTASES**

RIBONUCLEOSIDE TRIPHOSPHATE REDUCTASE see under **RIBONUCLEOTIDE REDUCTASES**

RIBONUCLEOSIDES

Conformational analysis of ribonucleosides from proton-proton coupling constants. Guschlbauer W.
Biochim Biophys Acta 1980 Nov 14;610(1):47–55

Agarose-linked xanthosine: a biospecific resin for guanine aminohydrolase. Rosemeyer H, et al. **Carbohydr Res** 1981 Mar 16;90(1):53–60

Degradation of nucleic acids with ozone. I. Degradation of nucleobases, ribonucleosides and ribonucleoside-5'-monophosphates. Ishizaki K, et al.
Chem Pharm Bull (Tokyo) 1981 Mar;29(3):868–72

Specific interaction of base-specific nucleases with nucleosides and nucleotides. Egami F, et al.
Mol Biol Biochem Biophys 1980;32:250–77 (83 ref.)

Halogenation of tubercidin by N-halosuccinimides. A direct route to 5-bromotubercidin, a reversible inhibitor of RNA synthesis in eukaryotic cells. Bergstrom DE, et al.
Nucleic Acids Res 1980 Dec 20;8(24):6213–9

Ribonucleoside and ribonucleotide derivatives in polynucleotide synthesis. Gough GR, et al.
Nucleic Acids Symp Ser 1980;(7):99–102

Introduction of substituents to the 7(8)-position of 7-deazaadenosine (tubercidin): conversion to toyocamycin. Watanabe S, et al. **Nucleic Acids Symp Ser** 1980;(8):s21–4

ADMINISTRATION & DOSAGE

Therapy of mouse leukemia L1210 with combinations of nebularine and nitrobenzylthioinosine 5'-monophosphate. Lynch TP, et al. **Cancer Res** 1981 Feb;41(2):560–5

Treatment of mouse neoplasms with high doses of tubercidin. Lynch TP, et al. **Cancer Res** 1981 Aug;41(8):3200–4

Phospholipid derivatives of nucleoside analogs as prodrugs with enhanced catabolic stability. Matsushita T, et al.
Cancer Res 1981 Jul;41(7):2707–13

Phase II study in advanced sarcoma: randomized trial of pyrazofurin versus combination cyclophosphamide, doxorubicin, and cis-dichlorodiammineplatinum(II) (CAP). Cormier WJ, et al. **Cancer Treat Rep** 1980 Apr–May; 64(4–5):655–8

[Combined effect of remantadine (alpha-methyl-1-adamantane methylamine) and ribovirin (1-beta-D-ribofuranosyl-1,2,4-triazole-3-carboxamide) on the reproduction of Sindbis virus in cell culture] Galegov GA, et al. **Vopr Virusol** 1980 Sep–Oct;(5):608–11 (Eng. Abstr.) **(Rus)**

ANALYSIS

Analysis of purine and pyrimidine bases, ribonucleosides, and ribonucleotides by high-pressure liquid chromatography. Nissinen E. **Anal Biochem** 1980 Aug;106(2):497–505

Isolation and identification of cross-links from formaldehyde-treated nucleic acids. Chaw YF, et al.
Biochemistry 1980 Nov 25;19(24):5525–31

Bioassay system for determining ribavirin levels in human serum and urine. Smee DF, et al. **Chemotherapy** 1981; 27(1):1–11

A non-destructive visualization reagent for use in thin-layer chromatography of sugars and ribonuclesides [letter] Benko AB, et al. **Clin Chem** 1980 Oct;26(11):1630-1

ADP-ribosylation of elongation factor 2 by diphtheria toxin. Isolation and properties of the novel ribosyl-amino acid and its hydrolysis products. Van Ness BG, et al. **J Biol Chem** 1980 Nov 25;255(22):10717-20

ADP-ribosylation of elongation factor 2 by diphtheria toxin. NMR spectra and proposed structures of ribosyl-diphthamide and its hydrolysis products. Van Ness BG, et al. **J Biol Chem** 1980 Nov 25;255(22):10710-6

BLOOD

3-ribosyluric acid and nucleotide content of erythroid cells in phenylhydrazine-induced anemia in cattle. Smith RC, et al. **Int J Biochem** 1981;13(4):509-12

Rapid method for the high-performance liquid chromatography determination of bredinin in human serum. Takada K, et al. **J Chromatogr** 1981 Jan 2;222(1):156-9

CHEMICAL SYNTHESIS

Implications of a circular dichroism and theoretical investigation of ribavirin-related derivatives in drug design. Miles DL, et al. **Ann NY Acad Sci** 1981;367:518-30

Dibutyltin oxide--phenyl isocyanate system for regioselective phenylcarbamoylation of the hydroxy-groups of ribonucleosides. Ishido Y, et al. **Nucleic Acids Symp Ser** 1980;(8):s7-8

Introduction of substituents to the 7(8)-position of 7-deazaadenosine (tubercidin): conversion to toyocamycin. Watanabe S, et al. **Nucleic Acids Symp Ser** 1980;(8):s21-4

ISOLATION & PURIFICATION

Reversed-phase boronate chromatography for the separation of O-methylribose nucleosides and aminoacyl-tRNAs. Singhal RP, et al. **Anal Biochem** 1980 Nov 15;109(1):1-11

Improved separation of modified nucleosides from tRNA hydrolysates: the patterns of tRNA methylation in rat tissues. Clark I, et al. **J Biochem Biophys Methods** 1979 Oct;1(5):287-98

METABOLISM

Plasma disappearance, urine excretion, and tissue distribution of ribavirin in rats and rhesus monkeys. Ferrara EA, et al. **Antimicrob Agents Chemother** 1981 Jun;19(6):1042-9

Favored incorporation of tubercidin in poly(adenylic, 7-deazadenylic acids) and their function as messenger ribonucleic acids in protein synthesis. Seela F, et al. **Biochemistry** 1981 Apr 28;20(9):2559-64

Liposome-cell interactions. A study of the interactions of liposomes containing entrapped anti-cancer drugs with the EMT6, S49 and AE1 (transport-deficient) cell lines. Allen TM, et al. **Biochim Biophys Acta** 1981 May 6;643(2):346-62

Nucleoside changes in tRNAs from Bacillus subtilus treated with 5-fluorouracil. Kaiser II, et al. **Biochim Biophys Acta** 1981 Jan 29;652(1):218-22

Development of antiviral levels of ribavirin in serum and urine of orally treated rats. Smee DF, et al. **Chemotherapy** 1981;27(1):12-7

A second purine nucleoside phosphorylase in Escherichia coli K-12. II. Properties of xanthosine phosphorylase and its induction by xanthosine. Hammer-Jespersen K, et al. **MGG** 1980;179(2):341-8

PHARMACODYNAMICS

Growth inhibition of axenic Entamoeba histolytica by tubercidin and ara-A. Eubank WB, et al. **Am J Trop Med Hyg** 1981 Jul;30(4):900-2

Effect of 5,6-dichloro-1-beta-D-ribofuranosyl benzimidazole on ribonucleotide metabolism and accumulation of mitochondrial RNA and low-molecular-weight cytoplasmic RNA in HeLa cells. Harlow P, et al. **Arch Biochem Biophys** 1980 Sep; 203(2):764-73

Isolation of oligo(U)-containing heterogeneous nuclear RNA from control and 5,6-dichloro-1-beta-D-ribofuranosylbenzimidazole-treate HeLa cells. Harlow P, et al. **Arch Biochem Biophys** 1981 Apr 1;207(2):380-91

Anti-viral activity of 3-deazaadenosine and 5'-deoxy-5'-isobutylthio-3-deazaadenosine (3-deaza-SIBA). Bodner AJ, et al. **Biochem Biophys Res Commun** 1981 Jan 30;98(2):476-81

Effect of 5,6-dichloro-1-beta-D-ribofuranosylbenzimidazole on the synthesis of low molecular weight, RNA components. Hellung-Larsen P, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1303-10

Purine catabolism in isolated rat hepatocytes. Influence of coformycin. Van den Berghe G, et al. **Biochem J** 1980 Jun 15;188(3):913-20

Antileishmanial effect of allopurinol and allopurinol ribonucleoside on intracellular forms of Leishmania donovani. Berens RL, et al. **Biochem Pharmacol** 1980 Sep 1;29(17):2397-8

Inhibition of ribosomal RNA maturation in Friend erythroleukemia cells by 5-fluorouridine and toyocamycin. Hadjiolova KV, et al. **Biochem Pharmacol** 1981 Jul 1; 30(13):1861-3

Effect of inhibitors of transmethylation on histamine release from human basophils. Morita Y, et al. **Biochem Pharmacol** 1981 Apr 1;30(7):785-91

2-Deoxycoformycin inhibition of intracellular phosphorylation of adenosine in Novikoff rat hepatoma cells. Plagemann PG, et al. **Biochem Pharmacol** 1981 Mar 1;30(5):417-26

Tight binding inhibitors--VIII. Studies of the interactions of 2'-deoxycoformycin and transport inhibitors with the erythrocytic nucleoside transport system. Rogler-Brown T, et al. **Biochem Pharmacol** 1980 Sep 15;29(18):2491-7

Uridine and cytidine metabolism following inhibition of de novo pyrimidine synthesis by pyrazofurin. Cadman E, et al. **Biochim Biophys Acta** 1980 Oct 17;609(3):372-82

2'-deoxycoformycin. A new anticancer agent. Poster DS, et al. **Cancer Clin Trials** 1981;4(2):209-13 (34 ref.)

Specific immunosuppressive effects of constant infusion of 2'-deoxycoformycin. Trotta PP, et al. **Cancer Res** 1981 Jun; 41(6):2189-96

Effects of 2'-deoxycoformycin on the metabolism of purines and the survival of malignant cells in a patient with T-cell leukemia. Yu AL, et al. **Cancer Res** 1981 Jul;41(7):2677-82

Antitumour activity and cell kinetic effects of pyrazofurin in vitro. Hill BT, et al. **Eur J Cancer** 1980 Dec; 16(12):1633-8

Pyrazofurin-resistant hepatoma cells deficient in adenosine kinase. Suttle DP, et al. **Eur J Cancer** 1981 Jan;17(1):43-51

The hypotensive action of 3-deaza-adenosine. Phyall W, et al. **Eur J Pharmacol** 1980 Oct 31;67(4):485-8

Selective guanosine phosphate deficiency in hepatoma cells induced by inhibitors of IMP dehydrogenase. Kaiser WA, et al. **Hoppe Seylers Z Physiol Chem** 1980 Oct; 361(10):1503-10

Effect of 1-beta-D-ribofuranosyl-1,2,4-triazole-3-carboxamide (ribavirin) on tolerance induction in SJL mice. Nakano K, et al. **Immunopharmacology** 1980 Apr;2(2):157-64

Inhibition of lymphocyte proliferative responses by ribavirin. Peavy DL, et al. **Infect Immun** 1980 Aug;29(2):583-9

The potentiation of adenine toxicity to Chinese hamster cells by coformycin: suppression in mutants with altered regulation of purine biosynthesis or increased adenylate-deaminase activity. Debatisse M, et al. **J Cell Physiol** 1981 Jan;106(1):1-11

Inhibition of murine plaque-forming cell responses in vivo by ribavirin. Peavy DL, et al. **J Immunol** 1981 Mar; 126(3):861-4

Cyclic urea nucleosides. Cytidine deaminase activity as a function of aglycon ring size. Liu PS, et al. **J Med Chem** 1981 Jun;24(6):662-6

Selective inhibition of avian sarcoma virus protein synthesis in 3-deazaadenosine-treated infected chicken embryo fibroblasts. Stoltzfus CM, et al. **J Virol** 1981 Apr; 38(1):173-83

Enhancement of depolarization-dependent release of norepinephrine by an inhibitor of S-adenosylmethionine-dependent transmethylations. Rabe CS, et al. **Life Sci** 1980 Nov 10;27(19):1753-9

An in vivo and in vitro evaluation of 1-beta-D-ribofuranosyl-1,2,4-triazole-3-carboxamidine: an inhibitor of human lymphoblast purine nucleoside phosphorylase. Willis RC, et al. **Mol Pharmacol** 1980 Sep; 18(2):287-95

Neopolyoxins A, B, and C: new inhibitors of fungal cell wall chitin synthetase. Uramoto M, et al. **Nucleic Acids Symp Ser** 1980;(8):s69-71

Recent advances in the design of anticancer chemotherapy. Weber G. **Oncology** 1980;37 Suppl 1:19-24

5,6-dichloro-1-beta-ribofuranosylbenzimidazole enhances premature termination of late transcription of simian virus 40 DNA. Laub O, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3297-3301

ATP depletion as a consequence of adenosine deaminase inhibition in man. Siaw MF, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):6157-61

Animal model for immune dysfunction associated with adenosine deaminase deficiency. Tedde A, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4899-903

Conversion of 3T3-L1 fibroblasts to fat cells by an inhibitor of methylation: effect of 3-deazaadenosine. Chiang PK. **Science** 1981 Mar 13;211(4487):1164-6

Tritiated thymidine incorporation does not measure DNA synthesis in ribavirin-treated human cells. Drach JC, et al. **Science** 1981 May 1;212(4494):549-51

Regulation of interferon action in human fibroblasts: transient induction of specific proteins and amplification of the antiviral response by antinomycin D. Gupta SL, et al. **Virology** 1981 Jun;111(2):331-40

Inhibitors of IMP dehydrogenase prevent sindbis virus replication and reduce GTP levels in Aedes albopictus cells. Malinoski F, et al. **Virology** 1981 Apr 30;110(2):281-9

[Effect of toyocamycin on the biosynthesis of viral glycoproteins in a cell line chronically infected with a murine retrovirus] Mathieu-Mahul D, et al. **Biochimie** 1981; 63(5):403-10 (Eng. Abstr.) **(Fre)**

[Effect of ribovirin (virazole) on arenavirus reproduction in cell cultures] Petkevich AS, et al. **Vopr Virusol** 1981 Mar-Apr;(2):244-5 **(Rus)**

[Prevention of the formation of a mutant influenza A virus resistant to rimantadine (alpha-methyl-1-adamantanemethylamine hydrochloride) by using ribavirin (1-beta-D-ribofuranosyl-1,2,4-triazole-3-carboxamide)] Pushkarskaia NL, et al. **Vopr Virusol** 1980 May-Jun; (3):303-6 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

The biochemical and clinical consequences of 2'-deoxycoformycin in refractory lymphoproliferative malignancy. Grever MR, et al. **Blood** 1981 Mar; 57(3):406-17

Clinical pharmacology of deoxycoformycin. Major PP, et al. **Blood** 1981 Jul;58(1):91-6

The clinical pharmacology of the adenosine deaminase inhibitor 2'-deoxycoformycin. Smyth JF, et al. **Cancer Chemother Pharmacol** 1980 Dec;5(2):93-101

A clinical trial of pyrazofurin in combination with 5-azacytidine in acute adult nonlymphocytic leukemia. Van Echo DA, et al. **Cancer Clin Trials** 1981;4(2):129-33

Phase I study of 2'-deoxycoformycin in acute lymphoblastic leukemia. Poplack DG, et al. **Cancer Res** 1981 Sep;41(9 Pt 1):3343-6

Phase I study of pyrazofurin and 5-azacytidine in refractory adult acute leukemia. Martelo OJ, et al. **Cancer Treat Rep** 1981 Mar-Apr;65(3-4):237-9

Clinical efficacy of ribavirin in the treatment of genital herpes simplex virus infection. Bierman SM, et al. **Chemotherapy** 1981;27(2):139-45

A double-blind, placebo-controlled evaluation of ribavirin in the treatment of acute measles. Uylangco CV, et al. **Clin Ther** 1981;3(5):389-96

Ribavirin and inosiplex: a review of their present status in viral diseases. Chang TW, et al. **Drugs** 1981 Aug; 22(2):111-28 (78 ref.)

Effects of ribavirin on the development of the Friend leukemia. Opitz U, et al. **J Cancer Res Clin Oncol** 1980; 98(1):41-50

Sequential combination of pyrazofurin and 5-azacytidine in patients with acute myelocytic leukemia and carcinoma. Chahinian AP, et al. **Oncology** 1981;38(1):7-12

Clinical trial of bredinin in renal transplantation. Inou T, et al. **Transplant Proc** 1981 Mar;13(1 Pt 1):315-8

Clinical trial of Bredinin in renal transplantation. Inou T, et al. **Transplant Proc** 1980 Sep;12(3):526-8

Effect of Bredinin on cellular and humoral immune responses and on canine kidney allograft survival. Okubo M, et al. **Transplant Proc** 1980 Sep;12(3):515-9

TOXICITY

Deoxycoformycin toxicity in mice after long-term treatment. Agarwal RP. **Cancer Chemother Pharmacol** 1980 Dec; 5(2):83-7

Toxicity and immunosuppressive activity of binary combinations of 2'-deoxycoformycin and 2'-deoxyadenosine. Paine RM, et al. **Cancer Treat Rep** 1981 Mar-Apr;65(3-4):259-66

Aminoimidazole carboxamide ribonucleoside toxicity: a model for study of pyrimidine starvation. Thomas CB, et al. **J Cell Physiol** 1981 Jun;107(3):335-44

RIBONUCLEOTIDE REDUCTASES

ANALYSIS

An enzymatic method for distinguishing deoxyuridine and deoxythymidine nucleotide pools and its application for determining ribonucleotide reductase activity. Williams MV, et al. **J Biochem Biophys Methods** 1979 Jul;1(3):153-62

ANTAGONISTS & INHIBITORS

Effect of iron-chelating agents on inhibitors of ribonucleotide reductase. Cory JG, et al. **Biochem Pharmacol** 1981 May 1;30(9):979-84

Selective inhibition of ribonucleotide reductase by the monofunctional alkylating agent 5(1-aziridinyl)-2,4-dinitrobenzamide (CB 1954). Tisdale MJ, et al. **Biochem Pharmacol** 1980 Oct 15;29(20):2845-53

Effects of deoxyadenosine triphosphate and 9-beta-D-arabinofuranosyl-adenine 5'-triphosphate on human ribonucleotide reductase from Molt-4F cells and the concept of 'self-potentiation'. Chang CH, et al. **Cancer Res** 1980 Oct;40(10):3555-8

Mode of inhibition of tumor cell ribonucleotide reductase by 2,3-dihydro-1H-pyrazolo[2,3-a]imidazole (NSC 51143). Cory JG, et al. **Cancer Res** 1980 Nov;40(11):3891-4

Evaluation of combinations of drugs that inhibit Ehrlich tumor cell ribonucleotide reductase. Sato A, et al. **Cancer Res** 1981 May;41(5):1637-41

[Effect of sturines A and B on DNA synthesis and ribonucleotide reductase and thymidine kinase activity in regenerating rat liver] Silaeva SA, et al. **Vopr Med Khim** 1980 Mar-Apr;26(2):255-9 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Ribonucleotide reductase over-production in hydroxyurea resistant mouse cells. Lankinen H. **Acta Chem Scand [B]** 1980;34(2):152

GENETICS

Hydroxyurea-resistant mouse L cells with elevated levels of drug-resistant ribonucleotide reductase activity. Kuzik BA, et al. **Biochem Genet** 1980 Apr;18(3-4):311-31

Construction and characterization of hybrid plasmids

containing the Escherichia coli nrd region. Platz A, et al. **J Bacteriol** 1980 Aug;143(2):561–8

N-carbamoyloxyurea-resistant Chinese hamster ovary cells with elevated levels of ribonucleotide reductase activity. Hards RG, et al. **J Cell Physiol** 1981 Feb;106(2):309–19

Alteration of ribonucleotide reductase in aphidicolin-resistant mutants of mouse FM3A cells with associated resistance to arabinosyladenine and arabinosylcytosine. Ayusawa D, et al. **Somatic Cell Genet** 1981 Jan;7(1):27–42

ISOLATION & PURIFICATION

Partial purification and characterization of the ribonucleotide reductase induced by herpes simplex virus infection of mammalian cells. Huszar D, et al. **J Virol** 1981 Feb; 37(2):580–8

METABOLISM

Control of nucleotide pools in mammalian cells. Bjursell G, et al. **Antibiot Chemother** 1980;28:78–85 (0 ref.)

Altered ribonucleotide reductase activity in drug-resistant mammalian cells detected by an assay procedure for intact cells. Koropatnick SE, et al. **Enzyme** 1980;25(4):220–7

Adenosine deaminase impairment and ribonucleotide reductase activity and levels in HeLa cells. Lin AL, et al. **J Biol Chem** 1980 Sep 25;255(18):8523–8

On the mechanism of ribonucleoside diphosphate reductase from Escherichia coli. Evidence for 3'-C--H bond cleavage. Stubbe J, et al. **J Biol Chem** 1980 Sep 10; 255(17):8027–30

On the mechanism of ribonucleoside triphosphate reductase from Lactobacillus leichmannii. Evidence for 3' C--H bond cleavage. Stubbe J, et al. **J Biol Chem** 1981 May 25; 256(10):4843–6

Alterations in deoxyribonucleotide metabolism in cultured cells with ribonucleotide reductase activities refractory to feedback inhibition by 2'-deoxyadenosine triphosphate. Ullman B, et al. **J Biol Chem** 1980 Sep 10;255(17):8308–14

Ribonucleotide reduction in intact human diploid fibroblasts. Dick JE, et al. **J Cell Physiol** 1980 Oct;105(1):63–72

Role of ribonucleotide reductase in expression in the neoplastic program. Takeda E, et al. **Life Sci** 1981 Mar 2;28(9):1007–14

Effects of the ferrous chelate of 4-methyl-5-amino-1-formylisoquinoline thiosemicarbazone (MAIQ-1) on the kinetics of reduction of CDP by ribonucleotide reductase of the Novikoff tumor. Preidecker PJ, et al. **Mol Pharmacol** 1980 Nov;18(3):507–12

Overproduction of the free radical of ribonucleotide reductase in hydroxyurea-resistant mouse fibroblast 3T6 cells. Akerblom L, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2159–63

[Structure and biosynthetic functions of rat liver mitochondrial fractions] Golubev VP, et al. **Vopr Med Khim** 1980 May-Jun;26(3):312–8 (Eng. Abstr.) **(Rus)**

RIBONUCLEOTIDES

Synthesis of carrier-free beta-32P-nucleosides-triphosphate in almost quantitative yields. Kaufmann G, et al. **Anal Biochem** 1980 Nov 15;109(1):198–202

Degradation of nucleic acids with ozone. I. Degradation of nucleobases, ribonucleosides and ribonucleoside-5'-monophosphates. Ishizaki K, et al. **Chem Pharm Bull (Tokyo)** 1981 Mar;29(3):868–72

Direct photoaffinity labeling by nucleotides of the apparent catalytic site on the heavy chains of smooth muscle and Acanthamoeba myosins. Maruta H, et al. **J Biol Chem** 1981 Jan 10;256(1):499–502

Specific interaction of base-specific nucleases with nucleosides and nucleotides. Egami F, et al. **Mol Biol Biochem Biophys** 1980;32:250–77 (83 ref.)

A chemical method to enrich RNA by molecules having 5'-terminal triphosphate groups. Chumakov PM, et al. **Nucleic Acids Res** 1981 Mar 25;9(6):1519–30

Ribonucleoside and ribonucleotide derivatives in polynucleotide synthesis. Gough GR, et al. **Nucleic Acids Symp Ser** 1980;(7):99–102

ANALYSIS

A method for measuring nucleotides in the liver of rat with isotachophoresis. Eriksson G. **Anal Biochem** 1980 Dec; 109(2):239–46

Analysis of purine and pyrimidine bases, ribonucleosides, and ribonucleotides by high-pressure liquid chromatography. Nissinen E. **Anal Biochem** 1980 Aug;106(2):497–505

High-pressure liquid chromatography analysis of oligo- and monoribonucleotide mixtures, with special reference to ribosomal RNA constituents. Vandenberghe A, et al. **Anal Biochem** 1980 Sep 15;107(2):369–76

Fluorescence of terbium ion-nucleic acid complexes: a sensitive specific probe for unpaired residues in nucleic acids. Topal MD, et al. **Biochemistry** 1980 Nov 25; 19(24):5531–7

Analysis of purine ribonucleotides and deoxyribonucleotides in cell extracts by high-performance liquid chromatography. Cohen MB, et al. **J Chromatogr** 1980 Oct 24;198(4):435–41

Estimating the total number of nucleotide substitutions since the common ancestor of a pair of homologous genes: comparison of several methods and three beta hemoglobin messenger RNA's. Fitch WM. **J Mol Evol** 1980 Dec; 16(3-4):153–209 (66 ref.)

BIOSYNTHESIS

Incorporation of glucose carbon into ribonucleotides of axenic Entamoeba histolytica. Susskind BM, et al. **J Parasitol** 1980 Oct;66(5):759–64

Involvement of tetrahydrofolate cofactors in de novo purine ribonucleotide synthesis by adult Brugia pahangi and Dirofilaria immitis. Jaffe JJ, et al. **Mol Biochem Parasitol** 1981 Apr;2(5–6):259–70

Pathways of purine ribonucleotide biosynthesis in the adult worm Metastrongylus apri (Nematoda: Metastrongyloidea) from pig lung. Wong PC, et al. **Mol Biochem Parasitol** 1981 Apr;2(5–6):285–93

BLOOD

3-ribosyluric acid and nucleotide content of erythroid cells in phenylhydrazine-induced anemia in cattle. Smith RC, et al. **Int J Biochem** 1981;13(4):509–12

ISOLATION & PURIFICATION

Separation of 5'-ribonucleoside monophosphates by ion-pair reverse-phase high-performance liquid chromatography. Walseth TF, et al. **Anal Biochem** 1980 Sep 1;107(1):240–5

Rapid separation and quantitation of 3',5'-cyclic nucleotides and 5'-nucleotides in phosphodiesterase reaction mixtures using high-performance liquid chromatography. Watterson DM, et al. **J Biochem Biophys Methods** 1980 Mar; 2(3):139–46

Metal chelate affinity chromatography. I. Influence of various parameters on the retention of nucleotides and related compounds. Hubert P, et al. **J Chromatogr** 1980 Oct 17;198(3):247–55

METABOLISM

Measurement of ribonucleotide pool specific activities by an in vivo method: comparison with an in vitro method. Falkenthal S, et al. **Biochemistry** 1981 Jan 20;20(2):312–9

Identification of the antimetabolite of L-alanosine, L-alanosyl-5-amino-4-imidazolecarboxylic acid ribonucleotide, in tumors and assessment of its inhibition of adenylosuccinate synthetase. Tyagi AK, et al. **Cancer Res** 1980 Dec;40(12):4390–7

Function of nucleoside triphosphate and polynucleotide in Escherichia coli recA protein-directed cleavage of phage lambda repressor. Craig NL, et al. **J Biol Chem** 1981 Aug 10;256(15):8039–44

Hydrolysis of nucleoside triphosphates catalyzed by the recA protein of Escherichia coli. Hydrolysis of UTP. Weinstock GM, et al. **J Biol Chem** 1981 Aug 25;256(16):8856–8

Hydrolysis of nucleoside triphosphates catalyzed by the recA protein of Escherichia coli. Steady state kinetic analysis of ATP hydrolysis. Weinstock GM, et al. **J Biol Chem** 1981 Aug 25;256(16):8845–9

Basis for the control of purine biosynthesis by purine ribonucleotides. Itakura M, et al. **J Clin Invest** 1981 Apr; 67(4):994–1002

Formycin 5'-triphosphate, a fluorescent analog of ATP, as a substrate for adenylate cyclase. Rossomando EF, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2278–82

PHARMACODYNAMICS

Communication brève. Pan D, et al. **Arch Int Physiol Biochim** 1980 Dec;88(5):515–8

RIBOSE

Structural prediction of sugar-binding proteins functional in chemotaxis and transport. Argos P, et al. **J Biol Chem** 1981 May 10;256(9):4357–61

ANALYSIS

Structure of the capsular polysaccharide (K6-antigen) from Escherichia coli LP 1092. Messner P, et al. **Biochem Biophys Res Commun** 1980 Oct 16;96(3):1003–10

BIOSYNTHESIS

Incorporation of glucose carbon into ribonucleotides of axenic Entamoeba histolytica. Susskind BM, et al. **J Parasitol** 1980 Oct;66(5):759–64

METABOLISM

Ribose tolerance in gouty patients. Pizzichini M, et al. **Adv Exp Med Biol** 1980;122A:81–6

Multiple genetic changes determine ribose utilization by Novikoff hepatoma cell variants. Jargiello P. **Biochim Biophys Acta** 1980 Nov 3;632(4):507–16

Reconstitution of binding protein dependent ribose transport in spheroplasts derived from a binding protein negative Escherichia coli K12 mutant and from Salmonella typhimurium. Robb FT, et al. **J Supramol Struct** 1980; 13(2):183–90

PHARMACODYNAMICS

Restitution of myocardial adenine nucleotides: acceleration by administration of ribose. Zimmer HG. **J Physiol (Paris)** 1980;76(7):769–75

Blood preservation 33. Phosphate enhancement of ribose maintenance of 2,3-DPG and ATP. Dawson RB, et al. **Transfusion** 1981 Mar-Apr;21(2):215–8

RIBOSEMONOPHOSPHATES see under **PENTOSEPHOSPHATES**

RIBOSEPHOSPHATE PYROPHOSPHOKINASE see under **PHOSPHOTRANSFERASES, ATP**

RIBOSOMAL PROTEINS

Physicochemical studies of the 7 S complex of rat liver ribosomes and its components. Behlke J, et al. **Acta Biol Med Ger** 1980;39(1):33–40

Phosphorylated and other modified forms of eukaryotic ribosomal protein S3 analysed by two-dimensional gel electrophoresis. Leader DP. **Biochem J** 1980 Aug 1; 189(2):241–5

Physical studies on the ribosomal protein S2 from the Escherichia coli 30S. Georgalis Y, et al. **Biochemistry** 1981 Mar 3;20(5):1061–4

Sequence homologies in the N-terminal region of the ribosomal 'A' proteins from Methanobacterium Thermoautotrophicum and Halobacterium cutirubrum. Matheson AT, et al. **Biochim Biophys Acta** 1980 Nov 20; 626(1):162–9

On the renaturation of ribosomal protein L11. Kime MJ, et al. **Eur J Biochem** 1980 Sep;110(2):493–8

Primary structure of protein S11 from Escherichia coli ribosomes. Kamp R, et al. **FEBS Lett** 1980 Nov 17; 121(1):117–22

The ternary complex consisting of rat liver ribosomal 5 S RNA, 5.8 S RNA and protein L5. Metspalu A, et al. **FEBS Lett** 1980 Sep 22;119(1):81–4

Amino acid sequence of protein L22 from the large subunit of the Escherichia coli ribosome. Wittmann-Liebold B, et al. **FEBS Lett** 1980 Nov 17;121(1):105–12

The primary structure of protein S10 from the small ribosomal subunit of Escherichia coli. Yaguchi M, et al. **FEBS Lett** 1980 Nov 17;121(1):113–6

Identification of methylated amino acids during sequence analysis. Application to the Escherichia coli ribosomal protein L11. Dognin MJ, et al. **Hoppe Seylers Z Physiol Chem** 1980 Nov;361(11):1697–705

Ribosomal proteins S3, S6, S8 and S10 of Escherichia coli localized on the external surface of the small subunit by immune electron microscopy. Kahan L, et al. **J Mol Biol** 1981 Jan 5;145(1):193–214

The use of azidoarylimidoesters in RNA-protein cross-linking studies with Escherichia coli ribosomes. Rinke J, et al. **J Mol Biol** 1980 Mar 5;137(3):301–4

The secondary structure of the protein L1 binding region of ribosomal 23S RNA. Homologies with putative secondary structures of the L11 mRNA and of a region of mitochondrial 16S rRNA. Branlant C, et al. **Nucleic Acids Res** 1981 Jan 24;9(2):293–307

Topography of the C. coli 5S RNA-protein complex as determined by crosslinking with dimethyl suberimidate and dimethyl-3,3'-dithiobispropionimidate. Fanning TG, et al. **Nucleic Acids Res** 1981 Feb 25;9(4):993–1004

[Isolation and physical study of the 13S fragment of 16S RNA and its complex with ribosomal protein S4] Shpungin IL, et al. **Mol Biol (Mosk)** 1980 Jul-Aug;14(4):939–50 (Eng. Abstr.) **(Rus)**

ANALYSIS

Yellow mutations alter chloroplast ribosomal proteins in Chlamydomonas reinhardii. Gyurján I, et al. **Acta Biochim Biophys Acad Sci Hung** 1979;14(4):229–39

Neighbourhoods of proteins S2--S3, S3--S3a, S15--S15a, and S5--S25 within the small subunit of rat liver ribosomes. Westermann P, et al. **Acta Biol Med Ger** 1980; 39(11-12):1147–52

Characterization of two acidic proteins of Saccharomyces cerevisiae ribosome. Juan Vidales F, et al. **Biochem Biophys Res Commun** 1981 Feb 12;98(3):717–26

Human liver ribosomal proteins: characterization by two-dimensional electrophoresis and molecular weight determinations. Gressner AM. **Biochem Med** 1980 Jun; 23(3):350–7

Purification of Drosophila ribosomal proteins. Isolation of proteins S8, S13, S14, S16, S19, S20/L24, S22/L26, S24, S25/S27, S26, S29, L4, L10/L11, L12, L13, L16, L18, L19, L27, 1, 7/8, 9, and 11. Chooi WY. **Biochemistry** 1980 Jul 22;19(15):3469–76

Identification of proteins at the subunit interface of the Escherichia coli ribosome by cross-linking with dimethyl 3,3'-dithiobis(propionimidate). Cover JA, et al. **Biochemistry** 1981 May;20(10):2843–52

Structural analysis of ribosomal protein L7/L12 by the heterobifunctional cross-linker 4-(6-formyl-3-azidophenoxy)butyrimidate. Maassen JA, et al. **Biochemistry** 1981 Feb 17;20(4):1020–5

A computer model for the 30S ribosome subunit. Kuntz ID, et al. **Biophys J** 1980 Nov;32(2):677–95

The ribosomal proteins of L cells. A comparative analysis of the ribosomal proteins split off by KCl, the core proteins, the proteins transferable between the two subunits and the proteins labelled in absence of ribosomal synthesis. Cazillis M, et al. **Eur J Biochem** 1981 Feb;114(2):355–63

Identification of a 16-S RNA fragment crosslinked to protein

S1 within Escherichia coli ribosomal 30-S subunits by the use of a crosslinking reagent: ethyl 4-azidobenzoylaminoacetimidate. Golinska B, et al. **Eur J Biochem** 1981 Apr;115(3):479-84

A proton NMR study of ribosomal protein L25 from Escherichia coli. Kime MJ, et al. **Eur J Biochem** 1981 May 15;116(2):269-76

Synthesis of a new reagent, ethyl 4-azidobenzoylaminoacetimidate, and its use for RNA-protein cross-linking within Escherichia coli ribosomal 30-S subunits. Millon R, et al. **Eur J Biochem** 1980 Sep;110(2):485-92

Structural characterization of polysomal poly(A)-protein particles in rat liver. Tomcsányi T, et al. **Eur J Biochem** 1981 Feb;114(2):421-8

Primary structure of an acidic ribosomal protein from Micrococcus lysodeikticus. Itoh T. **FEBS Lett** 1981 May 5;127(1):67-70

Demonstration of free dissociation factor activity in the cytoplasm of lymphocytes. Resch K, et al. **FEBS Lett** 1980 Aug 11;117(1):284-8

Physical characteristics of the reconstitution intermediate RI50(1) from the 50 S ribosomal subunit of Escherichia coli. Tam MF, et al. **FEBS Lett** 1980 Nov 3;120(2):230-2

Proton NMR observation of the Escherichia coli ribosome. Tritton TR. **FEBS Lett** 1980 Oct 20;120(1):141-4

Study of the tertiary structure of protein L11 from Escherichia coli ribosomes in solution by proton magnetic resonance. Tumanova LG, et al. **FEBS Lett** 1981 May 18; 127(2):241-4

Identity of the B56.5 protein, the A-protein, and the groE gene product of Escherichia coli. Neidhardt FC, et al. **J Bacteriol** 1981 Jan;145(1):513-20

Analyses of 40S and 60S ribosomal proteins of Artemia salina with two- or 'three-dimensional' acrylamide gel electrophoresis and comparisons with rat liver 40S and 60S proteins. Kenmochi N, et al. **J Biochem (Tokyo)** 1981 Apr; 89(4):1293-308

Identification of neighboring protein pairs in rat liver 60S ribosomal subunits cross-linked with dimethyl suberimidate or dimethyl 3,3'-dithiobispropionimidate. Uchiumi T, et al. **J Biochem (Tokyo)** 1980 Oct;88(4):1033-44

Fluorescence studies of the location of proteins L7 and L12 on the Escherichia coli ribosome. Lee CC, et al. **J Biol Chem** 1981 Jan 10;256(1):49-53

The major ribosome binding site of Escherichia coli ribosomal protein S1 is located in its N-terminal segment. Giorginis S, et al. **J Mol Biol** 1980 Aug 25;141(4):393-408

Stoichiometry and structure of a complex of acidic ribosomal proteins. Marquis DM, et al. **J Mol Biol** 1980 Sep 15; 142(2):161-79

Protein L20 from the large subunit of Escherichia coli ribosomes is an assembly protein. Nowotny V, et al. **J Mol Biol** 1980 Mar 15;137(4):391-9

An improved method for two-dimensional gel-electrophoresis: analysis of mutationally altered ribosomal proteins of Escherichia coli. Geyl D, et al. **MGG** 1981;181(3):309-12

Ribosome-membrane interactions: characterization of ribosomal proteins from loose and tight bound ribosomes. Hoffman WL, et al. **Mol Biol Rep** 1980 Jul 31;6(2):79-82

Monoclonal antibodies to Escherichia coli 50S ribosomes. Shen V, et al. **Nucleic Acids Res** 1980 Oct 24;8(20):4639-49

[The analysis of localization and function of proteins in eukaryotic ribosomes by means of antibodies (author's transl)] Noll F, et al. **Acta Histochem [Suppl] (Jena)** 1980; 22:299-308 (Eng. Abstr.) **(Ger)**

[A simple method for detecting phosphoserine and phosphothreonine in proteins (author's transl)] Sanecka-Obacz M, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 1979;34:47-52 **(Pol)**

[Secondary structure of RNA binding proteins from the small subparticle of Escherichia coli ribosomes] Ven'iaminov SIu, et al. **Dokl Akad Nauk SSSR** 1980;252(3):758-61 **(Rus)**

[Secondary structure of the S1 protein of the small subunit of Escherichia coli ribosomes seen in infrared spectroscopy and circular dichroism spectra] Ven'iaminov SIu, et al. **Dokl Akad Nauk SSSR** 1981;257(3):737-41 **(Rus)**

BIOSYNTHESIS

Regulation of synthesis of Escherichia coli ribosomal proteins L1 and L11. Brot N, et al. **Arch Biochem Biophys** 1981 Jan;206(1):51-3

Alterations in rabbit liver protein synthesis as a result of phenobarbital treatment. DiLella AG, et al. **Biochem Biophys Res Commun** 1981 Feb 12;98(3):628-34

Inefficiency of the stringent response in the fungus Mucor. Orlowski M. **Biochem Biophys Res Commun** 1980 Aug 14; 95(3):1001-9

Lodish model and regulation of ribosomal protein synthesis by insulin-deficient chick embryo fibroblasts. Ignotz GG, et al. **Biochemistry** 1981 Apr 28;20(9):2550-8

Feedback regulation of ribosomal protein synthesis in E. coli: localization of the mRNA target sites for repressor action of ribosomal protein L1. Yates JL, et al. **Cell** 1981 Apr; 24(1):243-9

Rates of ribosomal protein and total protein synthesis during Drosophila early embryogenesis. Santon JB, et al. **Dev Biol** 1981 Jul 15;85(1):252-7

Differential decrease in protein synthesis by microsomes from aging Drosophila melanogaster. Webster GC, et al. **Exp Gerontol** 1980;15(5):495-7

Spermine stimulation of CCl4 depressed protein synthesis in rabbits. Oratz M, et al. **Gastroenterology** 1980 Dec; 79(6):1165-73

Regulation of ribosomal protein synthesis in an Escherichia coli mutant missing ribosomal protein L1. Jinks-Robertson S, et al. **J Bacteriol** 1981 Mar;145(3):1445-7

Changes in regulation of ribosomal protein synthesis during vegetative growth and sporulation of Saccharomyces cerevisiae. Pearson NJ, et al. **J Bacteriol** 1980 Sep; 143(3):1411-9

Methylation of newly synthesized ribosomal protein L11 in a DNA-directed in vitro system. Jerez C, et al. **J Biol Chem** 1980 Sep 25;255(18):8706-10

Unco-ordinate regulation of ribosomal RNA and ribosomal protein synthesis during L6E9 myoblast differentiation. Krauter KS, et al. **J Mol Biol** 1980 Sep 15;142(2):145-59

Ribosome turnover in rat brain and liver. Retz KC, et al. **Life Sci** 1980 Dec 22-29;27(25-26):2601-4

Synthesis of ribosomal proteins in merodiploid strains of Escherichia coli. Dowsett SJ, et al. **MGG** 1980; 180(2):331-41

Expression of ribosomal proteins during Drosophila early development. Santon JB, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):5649-53

Protein synthesis in vitro after cryopreservation of rat skeletal muscle. Lund B, et al. **Z Tierphysiol Tierernaeher Futtermittelkd** 1980; 44(4-5):255-66

[Studies of differences in protein accretion in mice by means of cell-free protein synthesis systems] Evers B, et al. **Acta Biol Med Ger** 1979;38(11-12):1565-71 (Eng. Abstr.) **(Ger)**

[Effect of levorin on incorporation of individual amino acids into proteins of membranes, ribosomes and cell sap of Candida albicans] Obukhovskaia AS, et al. **Biokhimiia** 1980 Jun;45(6):1000-3 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

The proteins of the cytoplasmic ribosomes of Euglena gracilis. Vasquez CC, et al. **Arch Biol Med Exp (Santiago)** 1979 OCT;12(3):367-72

GENETICS

Protein synthesis defects in temperature-sensitive mutants of Escherichia coli with altered ribosomal proteins. Champney WS. **Biochim Biophys Acta** 1980 Oct 17; 609(3):464-74

Identification of ribosomal protein S7 as a repressor of translation within the str operon of E. coli. Dean D, et al. **Cell** 1981 May;24(2):413-9

Chromosomal distribution of ribosomal protein genes in the mouse. D'Eustachio P, et al. **Cell** 1981 May;24(2):307-12

Suppressor mutations that restore export of a protein with a defective signal sequence. Emr SD, et al. **Cell** 1981 Jan; 23(1):79-88

Mammals have multiple genes for individual ribosomal proteins. Monk RJ, et al. **Cell** 1981 May;24(2):301-6

The effect of temperature-sensitive RNA mutants on the transcription products from cloned ribosomal protein genes of yeast. Rosbash M, et al. **Cell** 1981 Jun;24(3):679-86

Feedback regulation of ribosomal protein synthesis in E. coli: localization of the mRNA target sites for repressor action of ribosomal protein L1. Yates JL, et al. **Cell** 1981 Apr; 24(1):243-9

Multiple ribosomal gene sites revealed by in situ hybridization of Xenopus rDNA to Triturus lampbrush chromosomes. Morgan GT, et al. **Chromosoma** 1980;80(3):309-30

Characterization of promoter-cloning plasmids: analysis of operon structure in the rif region of Escherichia coli and isolation of an enhanced internal promoter mutant. An G, et al. **J Bacteriol** 1980 Dec;144(3):904-16

The gene for ribosomal protein S21, rpsU, maps close to dnaG at 66.5 min on the Escherichia coli chromosomal linkage map. Dabbs ER. **J Bacteriol** 1980 Nov;144(2):603-7

UGA suppressor that maps within a cluster of ribosomal protein genes. Johnston HM, et al. **J Bacteriol** 1980 Oct; 144(1):300-5

Transcriptional and post-transcriptional control of ribosomal protein and ribonucleic acid polymerase genes. Little R, et al. **J Bacteriol** 1981 Jul;147(1):25-35

Genetics of ribosomal components in Podospora spp. as revealed by interspecific hybridization. Perrot M, et al. **J Bacteriol** 1981 Jan;145(1):82-7

Nucleotide sequence of the gene for ribosomal protein S20 and its flanking regions. Mackie GA. **J Biol Chem** 1981 Aug 10;256(15):8177-82

Mutants of Escherichia coli lacking ribosomal protein L11. Stöffler G, et al. **J Biol Chem** 1980 Nov 10; 255(21):10517-22

Linkage in cultured Chinese hamster cells of two genes, emtB and leuS, involved in protein synthesis and isolation of cell lines with mutations in three linked genes. Wasmuth JJ, et al. **J Cell Biol** 1980 Dec;87(3 Pt 1):697-702

Organization of genes in the four minute region of the Escherichia coli chromosome: evidence that rpsB and tsf are co-transcribed. Bendiak DS, et al. **MGG** 1981; 181(3):356-62

Cloning, restriction endonuclease mapping and post-transcriptional regulation of rpsA, the structural gene for ribosomal protein S1. Christiansen L, et al. **MGG** 1981; 181(4):548-51

A new mutant form of the ribosomal protein L21 in the fungus Podospora anserina: identification of the structural gene for this protein. Crouzet M, et al. **MGG** 1980; 180(1):177-83

Disproportionate rDNA replication does occur in diploid tissue in Drosophila hydei. Grimm C, et al. **MGG** 1980; 180(1):23-6

30S subunit mutations relieving restriction of ribosomal misreading caused by L6 mutations. Hummel H, et al. **MGG** 1980;179(1):147-53

Genetic fine structure of the pyrE region containing the genes for ribosomal proteins L28 and L33 in Escherichia coli. Isono K, et al. **MGG** 1980;179(2):311-7

Isolation and characterization of specialized transducing lambda phages carrying ribosomal protein genes of Escherichia coli. Kitakawa M, et al. **MGG** 1980; 180(2):343-9

Revised location of the Escherichia coli gene coding for ribosomal protein S2. Lathe R, et al. **MGG** 1981; 182(1):178-9

Differences in electrophoretic behaviour of eight ribosomal proteins from rat and rabbit tissues and evidence for proteolytic action on liver proteins. Madjar JJ, et al. **MGG** 1980;179(1):89-101

Translational fidelity in Escherichia coli: antagonistic effects of neaA and ramC gene products on the ribosome function. Matković B, et al. **MGG** 1980;179(1):135-9

Escherichia coli ribosomal protein S8 feedback regulates part of spc operon. Dean D, et al. **Nature** 1981 Jan 1; 289(5793):89-91

Xenopus laevis ribosomal protein genes: isolation of recombinant cDNA clones and study of the genomic organization. Bozzoni I, et al. **Nucleic Acids Res** 1981 Mar 11;9(5):1069-86

Translational regulation by ribosomal protein S8 in Escherichia coli: structural homology between rRNA binding site and feedback target on mRNA. Olins PO, et al. **Nucleic Acids Res** 1981 Apr 10;9(7):1757-64

Feedback regulation of ribosomal protein gene expression in Escherichia coli. Dean D, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3590-4

Cloning of yeast gene for trichodermin resistance and ribosomal protein L3. Fried HM, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):238-42

Evidence that ribosomal protein S10 participates in control of transcription termination. Friedman DI, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):1115-8

Feedback regulation of ribosomal protein gene expression in Escherichia coli: structural homology of ribosomal RNA and ribosomal protein MRNA. Nomura M, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7084-8

Ribosomal protein L7/L12 is required for optimal translation. Pettersson I, et al. **Proc Natl Acad Sci USA** 1980 Jul; 77(7):4007-10

Biochemical and genetic evidence for a new class of emetine-resistant Chinese hamster cells with alterations in the protein biosynthetic machinery. Wasmuth JJ, et al. **Somatic Cell Genet** 1980 Jul;6(4):495-516

[Genetics, structure and function of bacterial ribosomes] Bollen A. **Bull Mem Acad R Med Belg** 1980 Jun 28; 135(6):382-430 (43 ref.) (Eng. Abstr.) **(Fre)**

[Non-coordinated transcription of RNA polymerase beta,beta'-polypeptide genes and adjacent ribosomal protein genes in Escherichia coli cells] Lideman LF, et al. **Mol Biol (Mosk)** 1981 Mar-Apr;15(2):316-22 (Eng. Abstr.) **(Rus)**

[Mapping of mutations in genes of Flexner shigellae controlling the synthesis of certain ribosomal proteins and study of the effect of these mutations on bacterial virulence] Marakusha BI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Dec;(12):25-31 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Immunological comparison of ribosomal proteins from archaebacteria. Schmid G, et al. **J Bacteriol** 1981 Aug; 147(2):282-8

Comparative immunochemical study of ribosomal proteins from various mammalian cells by two-dimensional immunoelectrophoresis. Auger-Buendia MA, et al. **MGG** 1981;182(1):164-70

On the immunogenicity of ribosomes and ribosomal proteins isolated from Klebsiella pneumoniae and Streptococcus pneumoniae. Robert D, et al. **Microbiol Immunol** 1981; 25(2):183-94

ISOLATION & PURIFICATION

Determination of the N-terminal amino acids of ribosomal proteins after gel electrophoretical purification. Etzold G, et al. **Acta Biol Med Ger** 1980;39(11-12):1143-6

Analytical chromatography of ribosomal proteins in the fungus, Podospora anserina. Coppin-Raynal E. **Anal Biochem** 1980 Dec;109(2):395-8

Stimulation of human peripheral blood lymphocytes by procaryotic ribosomal proteins isolated from bacterium E. coli. Sieber G, et al. **Clin Immunol Immunopathol** 1980 Dec; 17(4):606-16

Recovery of pure ribosomal proteins from stained gels. A fast method of purification of active proteins. Bernabeu C, et al. **Eur J Biochem** 1980 Aug;109(1):285-90

Purification and primary structure determination of the N-terminal blocked protein, L11, from Escherichia coli ribosomes. Dognin MJ, et al. **Eur J Biochem** 1980 Nov; 112(1):131–51

A tracking marker for the first dimension of the two-dimensional gel electrophoresis of ribosomal proteins. Leader DP. **J Biochem Biophys Methods** 1980 Oct; 3(4):247–8

Mitochondrial ribosome assembly in Neurospora crassa. Purification of the mitochondrially synthesized ribosomal protein, S-5. LaPolla RJ, et al. **J Biol Chem** 1981 Jul 10; 256(13):7064–7

METABOLISM

Control of ribosomal protein phosphorylation in HeLa cells. Lastick SM, et al. **Biochem Biophys Res Commun** 1980 Aug 14;95(3):917–23

Developmental changes in the protein and ribonucleic acid components of rat brain messenger ribonucleic acid–protein particles isolated from free polyribosomes by oligo(dT)–cellulose chromatography. Elliott RM, et al. **Biochem J** 1980 Jul 15;190(1):215–23

Cerebral ribosomal protein phosphorylation in experimental hyperphenylalaninaemia. Roberts S, et al. **Biochem J** 1980 Aug 15;190(2):405–19

Ribonucleic acid–protein cross-linking in Escherichia coli ribosomes: (4-azidophenyl)glyoxal, a novel heterobifunctional reagent. Politz SM, et al. **Biochemistry** 1981 Jan 20;20(2):372–8

Functional role of acidic ribosomal proteins. Interchangeability of proteins from bacterial and eukaryotic cells. Sánchez-Madrid F, et al. **Biochemistry** 1981 May 26; 20(11):3263–6

Iodination of Escherichia coli ribosomal protein L18 abolishes its 5 S RNA binding activity. Fanning TG, et al. **Biochim Biophys Acta** 1981 Feb 26;652(2):256–60

Evidence for a highly specific protein kinase phosphorylating two strongly acidic proteins of yeast 60 S ribosomal subunit. Kudlicki W, et al. **Biochim Biophys Acta** 1980 Dec 15;633(3):376–85

An argument for the existence of a natural complex between protein L5 and 5 S RNA in rat liver 60–S ribosomal subunits. Marion MJ, et al. **Biochim Biophys Acta** 1981 Jan 29;652(1):193–203

Disulfide interaction in situ between the neighboring proteins L 6 and L 29 in mammalian ribosomes. Structural shielding of proteins and contact region. Nika H, et al. **Biochim Biophys Acta** 1980 Jul 24;624(1):142–52

RNA–protein complexes identified by crosslinking of polysomes. Sköld SE. **Biochimie** 1981 Jan;63(1):53–60

Kinetic studies of the rates and mechanism of assembly of the protein synthesis initiation complex. Goss DJ, et al. **Biophys J** 1980;32(1):283–93

Protein phosphorylations in poliovirus infected cells. James LA, et al. **Can J Microbiol** 1981 Jan;27(1):28–35

Increased phosphorylation of a liver ribosomal protein in mice carrying ascites tumours. Leader DP. **Cancer Lett** 1981 Apr;12(3):239–44

The modification of the peptidyltransferase activity of 50–S ribosomal subunits, LiCl–split proteins and L16 ribosomal protein by pyridoxal phosphate. Baxter RM, et al. **Eur J Biochem** 1980 Sep;110(1):161–6

The binding of dansylated initiation factor 3 to the 30–S subunit of Escherichia coli: a fluorimetric and biochemical study. Box R, et al. **Eur J Biochem** 1981 May;116(1):93–9

Implication of arginyl residues in mRNA binding to ribosomes. Hernández F, et al. **Eur J Biochem** 1980; 108(1):137–41

The assembly of ribosomes in HeLa cell nucleoli. Lastick SM. **Eur J Biochem** 1980 Dec;113(1):175–82

Effect of phosphorylation on the affinity of acidic proteins from Saccharomyces cerevisiae for the ribosomes. Sánchez-Madrid F, et al. **Eur J Biochem** 1981 Mar; 114(3):609–13

Functional studies on ribosomes lacking protein L1 from mutant Escherichia coli. Subramanian AR, et al. **Eur J Biochem** 1980 Nov;112(2):425–30

Identification of homologous ribosomal proteins in HeLa cells and in Tetrahymena pyriformis. A study of proteins binding 5–S RNA and acidic proteins released from 40–S subunits by EDTA. Svoboda AJ, et al. **Eur J Biochem** 1981 May 15;116(2):397–402

RNA–protein crosslinking by reaction with a soluble carbodiimide. Chiarrutini C, et al. **FEBS Lett** 1980 Sep 22;119(1):145–9

Photoincorporation of tetracycline into Escherichia coli ribosomes. Goldman RA, et al. **FEBS Lett** 1980 Aug 25; 118(1):113–8

Analysis of ribosomal protein conformation in Bacillus subtilis by reductive methylation. Identification of proteins with different conformation in monosomes and polysomes. Guha S, et al. **FEBS Lett** 1980 Aug 25;118(1):103–8

Chlorambucil [3H]phenylalanyl–tRNA crosslinking to 50 S ribosomal subunit proteins L4, L26--27 and L18--20. Wickstrom E, et al. **FEBS Lett** 1981 Jan 26;123(2):273–6

Interaction of concanavalin A with individual proteins from bacterial and mammalian ribosomes. Michel S, et al. **Int J Biochem** 1981;13(2):141–5

Radiochemical cross-linking of proteins to RNA within ribosomal subunits from E. coli MRE 600. Giocanti N, et al. **Int J Radiat Biol** 1980 Jul;38(1):63–82

Roles of the host polypeptides in Q beta RNA replication. Host factor and ribosomal protein S1 allow initiation at reduced GTP concentration. Blumenthal T, et al. **J Biol Chem** 1980 Dec 25;255(24):11713–6

Identification of proteins at the binding site for protein S1 in 70 S ribosomes and 30 S subunits by cross-linking with 2-iminothiolane. Boileau G, et al. **J Biol Chem** 1981 Aug 10;256(15):8222–7

The effect of initiation factor IF-3 on Escherichia coli ribosomal subunit association kinetics. Chaires JB, et al. **J Biol Chem** 1981 Jul 10;256(13):6600–7

HeLa ribosomal protein S6. Insulin and dibutyryl cyclic AMP affect different phosphopeptides. Lastick SM, et al. **J Biol Chem** 1981 Jan 25;256(2):583–5

The number of copies of ribosome-bound proteins L7 and L12 required for protein synthesis activity. Lee CC, et al. **J Biol Chem** 1981 Jan 10;256(1):41–8

Insulin stimulates the phosphorylation of ribosomal protein S6 in a cell-free system derived from 3T3-L1 adipocytes. Rosen OM, et al. **J Biol Chem** 1981 Apr 25;256(8):3630–3

Effect of Mg2+ concentration, polyamines, streptomycin, and mutations in ribosomal proteins on the accuracy of the two-step selection of aminoacyl-tRNAs in protein biosynthesis. Thompson RC, et al. **J Biol Chem** 1981 Jul 10;256(13):6676–81

Characterization of the binding of rat liver ribosomal proteins L6, L8, L19, S9, and S13 to 5.8 S ribosomal ribonucleic acid. Todokoro K, et al. **J Biol Chem** 1981 Jul 25; 256(14):7207–12

Studies of ribosomal proteins of yeast species and their hybrids: gel electrophoresis and immunochemical cross-reactions. Adoutte-Panvier A, et al. **MGG** 1980; 179(2):273–82

Functional homology between E. coli ribosomal protein L11 and B. megaterium protein BM-L11. Stark MJ, et al. **MGG** 1980;180(1):11–5

The phosphorylation of protein S6 in the newly-synthesized cytoplasmic ribosomes of hamster fibroblasts. Kennedy IM, et al. **Mol Biol Rep** 1980 Dec 31;6(4):199–202

Chemistry and biology of E. coli ribosomal protein L12. Brot N, et al. **Mol Cell Biochem** 1981 Apr 13;36(1):47–63 (117 ref.)

A ribosomal protein mediates eIF-2 phosphorylation by interferon-induced kinase. Ohtsuki K, et al. **Nature** 1980 Sep 4;287(5777):65–7

Basepairing potential of the 3' terminus of 16S RNA: dependence on the functional state of the 30S subunit and the presence of protein S21. Backendorf C, et al. **Nucleic Acids Res** 1981 Mar 25;9(6):1425–44

Characterization of the Escherichia coli 23S Ribosomal RNA region associated with ribosomal protein L1. Evidence for homologies with the 5'-end region of the L11 operon. Branlant C, et al. **Nucleic Acids Res** 1980 Dec 11; 8(23):5567–77

Comparative study of the interaction of polyuridylic acid with 30S subunits and 70S ribosomes of Escherichia coli. Katunin VI, et al. **Nucleic Acids Res** 1980 Jan 25; 8(2):403–21

Mechanism of the interaction between ribosomal protein S1 and oligonucleotides. Mülsch A, et al. **Nucleic Acids Res** 1981 May 25;9(10):2367–85

Cross-linking of Met-tRNAf to eIF-2 beta and to the ribosomal proteins S3a and S6 within the eukaryotic inhibition complex, eIF-2 .GMPPCP.Met-tRNAf.small ribosomal subunit. Westermann P, et al. **Nucleic Acids Res** 1981 May 25;9(10):2387–96

Enzymatic reduction of protein-bound methionine sulfoxide. Brot N, et al. **Proc Natl Acad Sci USA** 1981 Apr; 78(4):2155–8

The polyribosomal mRNA--protein complex is a dynamic structure. Greenberg JR. **Proc Natl Acad Sci USA** 1981 May;78(5):2923–6

[The incorporation of radioactive lysine to ribosomic proteins from ehrlich ascites tumor cells (author's transl)] Szwaj M, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 1979; 34:181–8 (Eng. Abstr.) **(Pol)**

[Binding of Escherichia coli 50S ribosomal subunit proteins with two large 5S RNA fragments] Maimets TO, et al. **Mol Biol (Mosk)** 1981 May-Jun;15(3):569–74 (Eng. Abstr.) **(Rus)**

[Effect of postmortem autolysis on the 40S ribosomal subunit proteins of rat skeletal muscles] Shishkin SS, et al. **Vopr Med Khim** 1980 Jul-Aug;26(4):476–80 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Mechanism of protein synthesis inhibition during stationary phase in Bacillus stearothermophilus. Garcia-Patrone M. **Mol Cell Biochem** 1980 Jun 18;31(2):97–103

PHYSIOLOGY

E. coli ribosomal protein L4 is a feedback regulatory protein. Yates JL, et al. **Cell** 1980 Sep;21(2):517–22

Protein L4 of the E. coli ribosome regulates an eleven gene r protein operon. Zengel JM, et al. **Cell** 1980 Sep; 21(2):523–35

Decrease in the S1 protein of 30–S ribosomal subunits in polyamine-requiring mutants of Escherichia coli grown in the absence of polyamines. Igarashi K, et al. **Eur J Biochem** 1981;114(1):127–31

Ligand-induced conformational changes in ribonucleic acids. Gassen HG. **Prog Nucleic Acid Res Mol Biol** 1980;24:57–86 (157 ref.)

RADIATION EFFECTS

Precise localization of the site of cross-linking between protein L4 and 23S ribonucleic acid induced by mild ultraviolet irradiation of Escherichia coli 50S ribosomal subunits. Maly P, et al. **Biochemistry** 1980 Sep 2; 19(18):4179–88

Cross-linking of L5 protein to 5 S RNA in rat liver 60–S subunits by ultraviolet irradiation. Terao K, et al. **Biochim Biophys Acta** 1980 Sep 19;609(2):306–12

RIBOSOMES

see related

RNA, RIBOSOMAL

Evolution of organelle genomes and protein-synthesizing systems. Gillham NW, et al. **Ann NY Acad Sci** 1981; 361:20–43

Search for ribosomal mutants in Podospora anserina: genetic analysis of mutants resistant to paromomycin. Dequard M, et al. **Biochem Genet** 1980 Apr;18(3-4):263–80

Role of outer envelope contamination in protection elicited by ribosomal preparations against Neisseria gonorrhoeae infection. Cooper MD, et al. **Infect Immun** 1981 Apr; 32(1):173–9

The hydrodynamic shape of Escherichia coli ribosome, its subunits and 16 S RNA. Allen SH. **J Am Med Wom Assoc** 1980 Jul;35(7):167–77

The ribosomal DNA of Calliphora erythrocephala; and analysis of hybrid plasmids containing ribosomal DNA. Beckingham K, et al. **J Mol Biol** 1980 Mar 15;137(4):349–73

Binding of wheat germ ribosomes to bisulfite-modified reovirus messenger RNA: evidence for a scanning mechanism. Kozak M. **J Mol Biol** 1980 Dec 15; 144(3):291–304

Nucleotide sequence through the 18S-28S intergene region of a vertebrate ribosomal transcription unit. Hall LM, et al. **Nucleic Acids Res** 1980 Dec 20;8(24):5993–6005

Reconstitution of biologically active 50S ribosomal subunits with artificial 5S RNA molecules carrying disturbances in the base pairing within the molecular stalk. Raué HA, et al. **Nucleic Acids Res** 1981 Mar 11;9(5):1263–9

Mechanism of translocation: relative arrangement of tRNA and mRNA on the ribosome. Matzke AJ, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5110–4

Ribosomal binding sites on poliovirus RNA. McClain K, et al. **Virology** 1981 Aug;113(1):150–67

[Regulation of the number of ribosomal genes in transplantable cultures of Drosophila melanogaster cells] Kubaneishvili MSh, et al. **Dokl Akad Nauk SSSR** 1981; 257(3):714–7 **(Rus)**

ANALYSIS

Physicochemical studies of the 7 S complex of rat liver ribosomes and its components. Behlke J, et al. **Acta Biol Med Ger** 1980;39(1):33–40

Identification of proteins at the subunit interface of the Escherichia coli ribosome by cross-linking with dimethyl 3,3'-dithiobis(propionimidate). Cover JA, et al. **Biochemistry** 1981 May;20(10):2843–52

Purification and primary structure determination of the N-terminal blocked protein, L11, from Escherichia coli ribosomes. Dognin MJ, et al. **Eur J Biochem** 1980 Nov; 112(1):131–51

Identification of a 16-S RNA fragment crosslinked to protein S1 within Escherichia coli ribosomal 30-S subunits by the use of a crosslinking reagent: ethyl 4-azidobenzoylaminoacetimidate. Golinska B, et al. **Eur J Biochem** 1981 Apr;115(3):479–84

Synthesis of a new reagent, ethyl 4-azidobenzoylaminoacetimidate, and its use for RNA-protein cross-linking within Escherichia coli ribosomal 30-S subunits. Millon R, et al. **Eur J Biochem** 1980 Sep;110(2):485–92

Proton NMR observation of the Escherichia coli ribosome. Tritton TR. **FEBS Lett** 1980 Oct 20;120(1):141–4

Immunoelectron microscopic localization of Rous sarcoma virus structural protein p27 in infected chicken embryo fibroblasts. Stanislawski L, et al. **Intervirology** 1980; 14(5-6):261–71

Fluorescence studies of the location of proteins L7 and L12 on the Escherichia coli ribosome. Lee CC, et al. **J Biol Chem** 1981 Jan 10;256(1):49–53

Variable patterns of total DNA and rDNA methylation in animals. Bird AP, et al. **Nucleic Acids Res** 1980 Apr 11; 8(7):1485–97

More ribosomal spacer sequences from Xenopus laevis. Moss T, et al. **Nucleic Acids Res** 1980 Feb 11;8(3):467–85

Monoclonal antibodies to Escherichia coli 50S ribosomes. Shen V, et al. **Nucleic Acids Res** 1980 Oct 24;8(20):4639–49

[The analysis of localization and function of proteins in eukaryotic ribosomes by means of antibodies (author's transl)] Noll F, et al. **Acta Histochem [Suppl] (Jena)** 1980; 22:299–308 (Eng. Abstr.) **(Ger)**

[Model of eukaryotic ribosome] Twardowski T, et al. **Postepy Biochem** 1980;26(3):499–504 **(Pol)**

[Determination of the degree of ribosomal genes conservativity in some invertebrate species] Petrov NB, et al. **Biokhimiia** 1980 Jan;45(1):165–72 (Eng. Abstr.) **(Rus)**

[Simple method of cloning eukaryote DNA: production of certain new ribosomal genes of Drosophila] Kolchinskiĭ AM, et al. **Mol Biol (Mosk)** 1980 Sep-Oct;14(5):1098-1109 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Electronic and lipophilic interactions of macrolides (leucomycin derivatives) with ribosomal receptor sites. Mager PP. **Acta Histochem (Jena)** 1980;66(1):40-3

Purification and properties of a second antiviral protein from Phytolacca americana which inactivates eukaryotic ribosomes. Irvin JD, et al. **Arch Biochem Biophys** 1980 Apr 1;200(2):418-25

Inhibition of Escherichia coli protein synthesis by a limited tryptic digest of ricin, the toxin of Ricinus communis L. seeds. Haas-Kohn LJ, et al.
Biochem Biophys Res Commun 1980 Dec 16;97(3):962-7

Induction of translational errors (misreading) by tuberactinomycins and capreomycins. Marrero P, et al.
Biochem Biophys Res Commun 1980 Dec 16;97(3):1047-42

Ribosomal resistance of an istamycin producer, Streptomyces tenjimariensis, to aminoglycoside antibiotics. Yamamoto H, et al. **Biochem Biophys Res Commun** 1981 Jun 16; 100(3):1396-401

Ribosomal resistance to the 12,13-epoxytrichothecene antibiotics in the producing organism Myrothecium verrucaria. Hobden AN, et al. **Biochem J** 1980 Sep 15; 190(3):765-70

Reduction of ribosome activity and synthesis of stable RNA in Neurospora crassa. Martegani E, et al.
Biochim Biophys Acta 1980 Dec 11;610(2):318-30

Hyperbaric oxygen toxicity and ribosome destruction in Escherichia coli K12. Harley JB, et al.
Can J Microbiol 1981 Jan;27(1):44-51

The effect of cadmium on kidney ribosomes. Kuliszewski MJ, et al. **Chem Biol Interact** 1981 Jan;33(2-3):307-18

Action of streptothricin F on ribosomal functions. Haupt I, et al. **J Antibiot (Tokyo)** 1980 Jun;33(6):636-41

Polypeptide synthesis catalyzed by p-hydroxymercuribenzoate-modified ribosomes.
Lopez-Rivas A, et al. **Mol Biol Rep** 1980 Jul 31;6(2):111-3

Modification of 50S ribosomal subunits with N-bromosuccinimide. López-Rivas A, et al.
Mol Biol Rep 1980 Dec 31;6(4):209-12

Ethanol-induced changes in properties of rat brian ribosomes. Tewari S, et al. **Neurochem Res** 1980 Sep;5(9):1025-35

Alterations in number and activity of cerebral free and membrane-bound ribosomes after prolonged ethanol ingestion by the weanling rat. Lindholm DB, et al.
Neuroscience 1979;4(7):1007-13

The translocation inhibitor tuberactinomycin binds to nucleic acids and blocks the in vitro assembly of 50S subunits. Yamada T, et al. **Nucleic Acids Res** 1980 Dec 11; 8(23):5767-77

Lasting damage to bacterial ribosomes by reversibly bound virginiamycin M. Parfait R, et al.
Proc Natl Acad Sci USA 1980 Sep;77(9):5492-6

[Studies of differences in protein accretion in mice by means of cell-free protein synthesis systems] Evers B, et al.
Acta Biol Med Ger 1979;38(11-12):1565-71 (Eng. Abstr.) **(Ger)**

[Antibiotics as inhibitors of the prokaryotic protein biosynthesis: action and resistance mechanisms (author's transl)] Nierhaus KH. **Immun Infekt** 1981;9(3):88-98 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

The ribosomal serine proteinase: cathepsin R. Langner J, et al. **Acta Biol Med Ger** 1979;38(11-12):1527-38

A ribonuclease specific for double-stranded RNA and two distinct ribonuclease H activities from the ribosomal salt wash fraction of Ehrlich ascites tumor cells. Avramova ZV, et al. **Arch Biochem Biophys** 1980 Oct 1;204(1):167-74

An mRNA decapping enzyme from ribosomes of Saccharomyces cerevisiae. Stevens A.
Biochem Biophys Res Commun 1980 Oct 16;96(3):1150-5

Resistance of the peptidyltransferase centre of rabbit ribosomes to attack by nucleases and proteinases. Cox RA, et al. **Biochem J** 1980 Jul 15;190(1):199-214

Gene-fusion studies of transcriptional and post-transcriptional regulation in a ribosomal/RNA polymerase operon of Escherichia coli. Newman AJ, et al. **Biochem Soc Trans** 1980 Dec;8(6):738

Stereochemical control of ribosomal peptidyltransferase reaction. Role of amino acid side-chain orientation of acceptor substrate. Bhuta A, et al. **Biochemistry** 1981 Jan 6;20(1):8-15

Donor site of ribosomal peptidyltransferase: investigation of substrate specificity using 2'(3')-O-(N-acylaminoacyl)dinucleoside phosphates as models of the 3' terminus of N-acylaminoacyl transfer ribonucleic acid. Quiggle K, et al. **Biochemistry** 1981 Jun 9;20(12):3480-5

The occurrence of two ribosomal ribonucleases depending on growth phase in yeast. Induction of ribonuclease in glucose-starved cells. Swida U, et al.
Biochim Biophys Acta 1981 Jan 29;652(1):129-38

Deficiency of nuclease activity in ribosomes of three tumor types. Pulkrabek P, et al. **Cancer Lett** 1980 Dec; 11(2):103-11

The modification of the peptidyltransferase activity of 50-S ribosomal subunits, LiCl-split proteins and L16 ribosomal protein by pyridoxal phosphate. Baxter RM, et al.
Eur J Biochem 1980 Sep;110(1):161-6

Eukaryotic aminoacyl-tRNA synthetases are RNA-binding proteins whereas prokaryotic ones are not. Alzhanova AT, et al. **FEBS Lett** 1980 Nov 3;120(2):225-9

Phenylboric acids--a new group of peptidyl transferase inhibitors. Cerná J, et al. **FEBS Lett** 1980 Oct 6; 119(2):343-8

Spectrophotometric assay of GTPase and ATPase activities related to protein synthesis. Näslund PH, et al.
J Biochem Biophys Methods 1980 Jul;3(1):1-9

Studies on rat liver catalase. XI. Site of synthesis and segregation by stripped ER membranes. Tobe T, et al.
J Biochem (Tokyo) 1980 Nov;88(5):1341-7

Ribosomal components from Escherichia coli 50 S subunits involved in the reconstitution of peptidyltransferase activity. Hampl H, et al. **J Biol Chem** 1981 Mar 10; 256(5):2284-8

The stereochemical course of the ribosome-dependent GTPase reaction of elongation factor G from Escherichia coli. Webb MR, et al. **J Biol Chem** 1981 Aug 10; 256(15):7734-7

Analogues of chloramphenicol: circular dichroism spectra, inhibition of ribosomal peptidyltransferase, and possible mechanism of action. Bhuta P, et al. **J Med Chem** 1980 Dec;23(12):1299-305

Puromycin analogues. Effect of aryl-substituted puromycin analogues on the ribosomal peptidyltransferase reaction. Lee H, et al. **J Med Chem** 1981 Mar;24(3):304-8

[Stoichiometry of GTP hydrolysis during peptide synthesis on the ribosome. I. Factor-independent GTPase and ATPase of ribosomal preparations] Kakhniashvili DG, et al. **Biokhimiia** 1980 Nov;45(11):1999-2012 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Isolation of Moraxella bovis ribosomes and their subsequent use in a vaccine against infectious bovine keratoconjunctivitis. Pugh GW Jr, et al. **Am J Vet Res** 1981 Mar;42(3):516-20

Autoantibody to ribosomes and systemic lupus erythematosus. Mathy JP, et al. **Clin Exp Immunol** 1980 Jul;41(1):73-80

Murine immunoprotective activity of Klebsiella pneumoniae cell surface preparations: comparative study with ribosomal preparations. Fournier JM, et al. **Infect Immun** 1981 May; 32(2):420-6

Serotype-nonspecific protection induced by ribonucleic acid isolated from the ribosomal vaccine of Pseudomonas aeruginosa. Gonggrijp R, et al. **Infect Immun** 1981 Jul; 33(1):178-85

Evidence for the presence of lipopolysaccharide in a ribonuclease-sensitive ribosomal vaccine of Pseudomonas aeruginosa. Gonggrijp R, et al. **Infect Immun** 1981 Mar; 31(3):896-905

Serological and biological activities of anti-Haemophilus influenzae ribosomal serum. Katz M, et al.
Infect Immun 1981 Mar;31(3):1125-31

Protective immunity against murine candidiasis elicited by Candida albicans ribosomal fractions. Levy R, et al.
Infect Immun 1981 Mar;31(3):874-8

Direct evidence for the involvement of capsular polysaccharide in the immunoprotective activity of Klebsiella pneumoniae ribosomal preparations. Riottot MM, et al. **Infect Immun** 1981 Jan;31(1):71-7

On the immunogenicity of ribosomes and ribosomal proteins isolated from Klebsiella pneumoniae and Streptococcus pneumoniae. Robert D, et al. **Microbiol Immunol** 1981; 25(2):183-94

[Experimental infection by 'Salmonella typhi-murium': protective role of homologous ribosomal extracts in calves (author's transl)] Ivanoff B, et al. **Ann Microbiol (Paris)** 1980 Sep-Oct;131B(2):163-74 (Eng. Abstr.) **(Fre)**

[Antigenic similarity between polysaccharide and ribosomal vaccine extracts from Klebsiella pneumonia] Robert D, et al. **C R Acad Sci [D] (Paris)** 1981 Jan 19;292(3):281-4 (Eng. Abstr.) **(Fre)**

[Ribosomal antigens of Trypanosoma cruzi. Effect of ribonuclease on their antigenic reactivity] Lopetegui R, et al. **Medicina (B Aires)** 1980;40 Suppl 1:91-6 (Eng. Abstr.) **(Spa)**

METABOLISM

Reagents suitable for the crosslinking of nucleic acids to proteins. Fink G, et al. **Anal Biochem** 1980 Nov 1; 108(2):394-401

Binding of antibiotics to the bacterial ribosome studied by aqueous two-phase partitioning. Le Goffic F, et al.
Anal Biochem 1980 Sep 15;107(2):417-23

Interaction between aminoglycoside uptake and ribosomal resistance mutations. Ahmad MH, et al.
Antimicrob Agents Chemother 1980 Nov;18(5):798-806

Binding of cycloheximide to ribosomes from wild-type and mutant strains of Saccharomyces cerevisiae. Stöcklein W, et al. **Antimicrob Agents Chemother** 1980 Dec;18(6):863-7

Euglena gracilis chloroplast ribosomes: improved isolation procedure and comparison of elongation factor specificity with prokaryotic and eukaryotic ribosomes. Graves MC, et al. **Arch Biochem Biophys** 1980 Oct 15;204(2):444-54

Vaccinia viral core inhibits Met-tRNA.40S invitation complex formation with physiological mRNAs.
Ghosh-Dastidar P, et al. **Biochem Biophys Res Commun** 1981 Apr 15;99(3):946-53

Vitamin K-dependent carboxylation with ribosomes from Escherichia coli. Lee SH, et al.
Biochem Biophys Res Commun 1980 Jul 31;95(2):499-506

Effect of removal of 160 nucleotides from the 3' end of Escherichia coli 16s rRNA on the reconstitution and activity of 30S ribosomes. Zagórska L, et al.
Biochem Biophys Res Commun 1980 Aug 14;95(3):1152-9

Analysis of disproportionate replication of ribosomal DNA in Drosophila melanogaster by a microhybridization method. Yedvobnick B, et al. **Biochem Genet** 1980 Oct; 18(9-10):869-77

Intermediates in the assembly of ribosomes by a mutant of Escherichia coli. Butler PD, et al. **Biochem J** 1980 Jul 15; 190(1):157-70

Increased transcription and decreased degradation control and recovery of liver ribosomes after a period of protein starvation. Conde RD, et al. **Biochem J** 1980 Dec 15; 192(3):935-40

Nonenzymic translocation and spontaneous release of noncognate peptidyl transfer ribonucleic acid from Escherichia coli ribosomes. Cabañas MJ, et al.
Biochemistry 1980 Nov 11;19(23):5411-6

Processing of the ribonucleic acid in the large ribosomal subunits of Urechis caupo. Davis FC, et al.
Biochemistry 1981 Jun 9;20(12):3554-61

Recognition by initiator transfer ribonucleic acid of a uridine 5' adjacent to the AUG codon: different conformational states of formylatable methionine-accepting transfer ribonucleic acid at the ribosomal peptidyl site. Eckhardt H, et al. **Biochemistry** 1981 Apr 14;20(8):2075-80

In vitro ribosomal ribonucleoprotein transport upon nuclear expansion. Herlan G, et al. **Biochemistry** 1980 Aug 19; 19(17):3960-6

Affinity labeling of Escherichia coli ribosomes with a covalently binding derivative of the antibiotic pleuromutilin. Högenauer G, et al. **Biochemistry** 1981 Feb 3;20(3):546-52

Mechanism of translocation: effect of cognate transfer ribonucleic acids on the binding of AUGUn to 70S ribosomes. Holschuh K, et al. **Biochemistry** 1980 Dec 9; 19(25):5857-64

Cloning and determination of a putative promoter region of a mouse ribosomal deoxyribonucleic acid fragment. Mishima Y, et al. **Biochemistry** 1980 Aug 5;19(16):3780-6

Correct codon--anticodon base pairing at the 5'-anticodon position blocks covalent cross-linking between transfer ribonucleic acid and 16S RNA at the ribosomal P site. Ofengand J, et al. **Biochemistry** 1981 Feb 3;20(3):552-9

Magnesium-dependent interaction of 30S ribosomal subunits with antibodies to N6, N6-dimethyladenosine. Politz SM, et al. **Biochemistry** 1980 Aug 5;19(16):3786-91

Ribonucleic acid-protein cross-linking in Escherichia coli ribosomes: (4-azidophenyl)glyoxal, a novel heterobifunctional reagent. Politz SM, et al.
Biochemistry 1981 Jan 20;20(2):372-8

Functional role of acidic ribosomal proteins. Interchangeability of proteins from bacterial and eukaryotic cells. Sánchez-Madrid F, et al. **Biochemistry** 1981 May 26; 20(11):3263-6

Hydrophobic interactions of Escherichia coli ribosomes. Fábry M, et al. **Biochim Biophys Acta** 1981 Jan 29; 652(1):139-50

An argument for the existence of a natural complex between protein L5 and 5 S RNA in rat liver 60-S ribosomal subunits. Marion MJ, et al. **Biochim Biophys Acta** 1981 Jan 29;652(1):193-203

Tryptic digestion of membrane proteins synthesized on chloroplast ribosomes in Chlamydomonas reinhardtii. Michaels A, et al. **Biochim Biophys Acta** 1980 Nov 14; 610(1):167-73

Identification by photoaffinity labelling of 16S RNA as a component of IF2-binding site of E. coli MRE 600 ribosome. Girshovich AS, et al. **Biochimie** 1980; 62(7):509-12

Protection against non-enzymatic deacylation of Met-tRNA Met m by the ribosome : an approach to the measurement of aminoacyl-tRNA : ribosome affinity constants. Leon M, et al. **Biochimie** 1980;62(7):423-6

Kinetic studies of the rates and mechanism of assembly of the protein synthesis initiation complex. Goss DJ, et al. **Biophys J** 1980;32(1):283-93

The chemical modification of Escherichia coli ribosomes with methyl p-nitrobenzenesulfonate. Evidence for the involvement of a histidine residue in the functioning of the ribosomal peptidyl transferase. Glick BR.
Can J Biochem 1980 Dec;58(12):1345-7

Interaction of selectively spin-labeled 70S ribosomes with tRNAPhe. An electron paramagnetic resonance study. Rodriguez A, et al. **Can J Biochem** 1981 May;59(5):311-4

Reassociation of eukaryotic ribosomal subunits and polyamine concentration in Yoshida ascites hepatoma and Ehrlich ascites carcinoma cells during growth. Comolli R, et al. **Cancer Biochem Biophys** 1980;5(1):25-31

Evaluation of the 'scanning model' for initiation of protein synthesis in eucaryotes. Kozak M. **Cell** 1980 Nov;22(1 Pt 1):7-8 (8 ref.)

Role of ATP in binding and migration of 40S ribosomal subunits. Kozak M. **Cell** 1980 Nov;22(2 Pt 2):459-67

Association of elongation factor 2 with layer ribosomes of

dimethylnitrosamine-treated mice. Delpino A, et al. **Chem Biol Interact** 1981 Jul;36(1):123-7

Dosage of 5 S and ribosomal genes during oogenesis of Drosophila melanogaster. Jacobs-Lorena M. **Dev Biol** 1980 Nov;80(1):134-45

Role of 16-S RNA in ribosome messenger recognition. Backendorf C, et al. **Eur J Biochem** 1980 Sep; 110(2):599-604

Effects of antibiotics, N-acetylaminoacyl-tRNA and other agents on the elongation-factor-Tu dependent and ribosome-dependent GTP hydrolysis promoted by 2'(3')-O-L-phenylalanyladenosine. Campuzano S, et al. **Eur J Biochem** 1981 Jun;117(1):27-31

Properties of ribosomes and ribosomal RNAs synthesized by Escherichia coli grown in the presence of ethionine. Normal maturation of ribosomal RNA in the absence of methylation. Chelbi-Alix MK, et al. **Eur J Biochem** 1981 Apr;115(3):627-34

A mutant elongation factor Tu which does not immobilize the ribosome upon binding of kirromycin. Duisterwinkel FJ, et al. **Eur J Biochem** 1981 Jun;117(1):7-12

Implication of arginyl residues in mRNA binding to ribosomes. Hernández F, et al. **Eur J Biochem** 1980; 108(1):137-41

Relationship between methylation of adenine near the 3' end of 16-S ribosomal RNA and the activity of 30-S ribosomal subunits. Igarashi K, et al. **Eur J Biochem** 1981 Jan; 113(3):587-93

On the mechanism of interaction of N-acetylphenylalanyl-tRNAPhe with ribosomes of Escherichia coli: effect of antibiotics and Tp psi pCpGp. Ivanov YV, et al. **Eur J Biochem** 1981 Jan;113(3):457-61

Binding of ribosomes to linear and circular forms of the 5'-terminal leader fragment of tobacco-mosaic-virus RNA. Konarska M, et al. **Eur J Biochem** 1981 Feb;114(2):221-7

The assembly of ribosomes in HeLa cell nucleoli. Lastick SM. **Eur J Biochem** 1980 Dec;113(1):175-82

Photochemical cross-linking of elongation factor G to 70-S ribosomes from Escherichia coli by 4-(6-formyl-3-azidophenoxy)butyrimidate. Maassen JA, et al. **Eur J Biochem** 1981 Apr;115(2):279-85

Effect of phosphorylation on the affinity of acidic proteins from Saccharomyces cerevisiae for the ribosomes. Sánchez-Madrid F, et al. **Eur J Biochem** 1981 Mar; 114(3):609-13

Tetranucleotides as effectors for the binding of initiator tRNA to Escherichia coli ribosomes. Schmitt M, et al. **Eur J Biochem** 1980 Aug;109(1):291-9

Mechanism of action of a 16-membered macrolide. Binding of rosaramicin to the Escherichia coli ribosome and its subunits. Siegrist S, et al. **Eur J Biochem** 1981 Apr; 115(2):323-7

Functional studies on ribosomes lacking protein L1 from mutant Escherichia coli. Subramanian AR, et al. **Eur J Biochem** 1980 Nov;112(2):425-30

Role of progesterone and glucocorticoids in the transcription of the beta-casein and 28-S ribosomal genes in the rabbit mammary gland. Teyssot B, et al. **Eur J Biochem** 1981 Mar;114(3):597-608

Mammalian mitochondrial ribosomes. Studies on the exchangeability of polypeptide chain elongation factors from bacterial and mitochondrial systems. Ulbrich B, et al. **Eur J Biochem** 1980 Jul;108(2):337-43

Functional recognition of phage RNA by 30-S ribosomal subunits in the absence of initiator tRNA. Van Duin J, et al. **Eur J Biochem** 1980 Sep;110(2):593-7

Influence of m7GpppN mRNA caps on lens protein synthesis and on mRNA binding to ribosomes in a homologous lens translation system derived from embryonic chick lens cells. Lavers GC. **Exp Eye Res** 1980 Jun;30(6):747-50

The inhibitory effect of methylenedisalicylic acid on the attachment of ribosomes to microsomal membranes in vitro. Aporti G, et al. **FEBS Lett** 1980 Jul 11;116(1):95-8

Biochemical characterization of ribosomes of kasugamycin-dependent mutants of Escherichia coli. Dabbs ER, et al. **FEBS Lett** 1980 Aug 11;117(1):164-6

Inhibition of polypeptides synthesis by a factor isolated from ribosomes of resting human lymphocytes: studies on the mechanism of action. Ferrer M, et al. **FEBS Lett** 1980 Dec 1;121(2):203-6

Ribosomal synthesis of polyleucine on polyuridylic acid as a template: contribution of the elongation factors. Gavrilova LP, et al. **FEBS Lett** 1980 Oct 20;120(1):135-40

Photoincorporation of tetracycline into Escherichia coli ribosomes. Goldman RA, et al. **FEBS Lett** 1980 Aug 25; 118(1):113-8

Quantitative study of the interaction of aminoacyl-tRNA with the a site of Escherichia coli ribosomes: equilibrium and kinetic parameters of binding in the absence of EF-Tu factor and GTP. Kemkhadze KS, et al. **FEBS Lett** 1981 Mar 9;125(1):10-4

Mechanism of codon-anticodon interaction in ribosomes: codon-anticodon interaction of aminoacyl-tRNA at the ribosomal donor site. Kirillov SV, et al. **FEBS Lett** 1980 Nov 3;120(2):221-4

Mechanism of codon-anticodon interaction in ribosomes: comparative study of interaction of Phe-tRNAPhe and N-acetyl-Phe-tRNAPhe with the donor site of Escherichia coli ribosomes. Kirillov SV, et al. **FEBS Lett** 1981 Mar 9;125(1):15-9

Peptidyl transferase center of Escherichia coli ribosomes: interrelations between the substrates. Kukhanova MK, et al. **FEBS Lett** 1980 Sep 8;118(2):176-9

The role of the cytidine residues of the tRNA 3'-terminus at the peptidyltransferase A- and P-sites. Quiggle K, et al. **FEBS Lett** 1980 Sep 8;118(2):172-5

Affinity labeling of proteins at the mRNA binding site of rat liver ribosomes by an analogue of octauridylate containing an alkylating group attached to the 3'-end. Stahl J, et al. **FEBS Lett** 1981 Jan 26;123(2):269-72

Mode of action of protein synthesis initiation factor eIF-1 from rabbit reticulocytes. Thomas A, et al. **FEBS Lett** 1980 Jul 11;116(1):67-71

Initiation of eukaryotic protein synthesis. Thomas AA, et al. **FEBS Lett** 1981 Jun 15;128(2):177-85 (113 ref.)

Misreading in mammalian systems. Laughrea M. **Gerontology** 1981;27(3):158-60

Insulin and the in vitro protein synthesis of liver and skeletal muscle ribosomes in experimental acute uraemia. Pils P, et al. **Horm Metab Res** 1981 Feb;13(2):89-91

Have deoxystreptamine aminoglycoside antibiotics the same binding site on bacterial ribosomes? Le Goffic F, et al. **J Antibiot (Tokyo)** 1980 Aug;33(8):895-9

Timing of ribosome synthesis during ascosporogenesis of yeast cells: evidence for early function of haploid daughter genomes. Emanuel JR, et al. **J Bacteriol**, 1981 Mar; 145(3):1342-50

Synthesis and function of ribonucleic acid polymerase and ribosomes in Escherichia coli B/r after a nutritional shift-up. Shepherd N, et al. **J Bacteriol** 1980 Sep; 143(3):1332-44

Biosynthesis of aldolase B by free ribosomes in rat liver. Oda T, et al. **J Biochem (Tokyo)** 1980 Aug;88(2):437-42

Identification of proteins at the binding site for protein S1 in 70 S ribosomes and 30 S subunits by cross-linking with 2-iminothiolane. Boileau G, et al. **J Biol Chem** 1981 Aug 10;256(15):8222-7

The effect of initiation factor IF-3 on Escherichia coli ribosomal subunit association kinetics. Chaires JB, et al. **J Biol Chem** 1981 Jul 10;256(13):6600-7

Structural integrity of DNA and translational integrity of ribosomes in nuclease-treated cell-free protein synthesizing systems prepared from wheat germ and rabbit reticulocytes. Kennedy TD, et al. **J Biol Chem** 1981 Jun 10; 256(11):5802-9

Mitochondrial ribosome assembly in Neurospora crassa. Purification of the mitochondrially synthesized ribosomal protein, S-5. LaPolla RJ, et al. **J Biol Chem** 1981 Jul 10; 256(13):7064-7

HeLa ribosomal protein S6. Insulin and dibutyryl cyclic AMP affect different phosphopeptides. Lastick SM, et al. **J Biol Chem** 1981 Jan 25;256(2):583-5

Photochemical cross-linking of initiation factor-3 to Escherichia coli 30 S ribosomal subunits. MacKeen LA, et al. **J Biol Chem** 1980 Nov 10;255(21):10526-31

The cytotoxic activity of Shigella toxin. Evidence for catalytic inactivation of the 60 S ribosomal subunit. Reisbig R, et al. **J Biol Chem** 1981 Aug 25;256(16):8739-44

Interaction of 70 S ribosomes from Escherichia coli with spin-labeled N-Cbz-Phe-tRNAPhe. An electron paramagnetic resonance study. Rodriguez A, et al. **J Biol Chem** 1980 Sep 10;255(17):8116-20

Further characterization of ribosome releasing factor and evidence that it prevents ribosomes from reading through a termination codon. Ryoji M, et al. **J Biol Chem** 1981 Jun 10;256(11):5798-801

Single turnover kinetic studies of guanosine triphosphate hydrolysis and peptide formation in the elongation factor Tu-dependent binding of aminoacyl-tRNA to Escherichia coli ribosomes. Thompson RC, et al. **J Biol Chem** 1980 Dec 10;255(23):11088-90

A GTPase reaction accompanying the rejection of Leu-tRNA2 by UUU-programmed ribosomes. Proofreading of the codon-anticodon interaction by ribosomes. Thompson RC, et al. **J Biol Chem** 1981 Jan 10;256(1):81-6

Effect of Mg2+ concentration, polyamines, streptomycin, and mutations in ribosomal proteins on the accuracy of the two-step selection of aminoacyl-tRNAs in protein biosynthesis. Thompson RC, et al. **J Biol Chem** 1981 Jul 10;256(13):6676-81

Characterization of the binding of rat liver ribosomal proteins L6, L8, L19, S9, and S13 to 5.8 S ribosomal ribonucleic acid. Todokoro K, et al. **J Biol Chem** 1981 Jul 25; 256(14):7207-12

Selectivity of interaction of univalent cations with mammalian ribosomes studied by equilibrium dialysis in the presence of the K+ analogue, 204Tl+. Näslund PH, et al. **J Inorg Biochem** 1981 Feb;14(1):67-79

Elongation factor-dependent affinity labeling of Escherichia coli ribosomes. Johnson AE, et al. **J Mol Biol** 1980 Apr; 138(2):273-97

How bacterial ribosomes select translation initiation sites. Bahramian MB. **J Theor Biol** 1980 May 7;84(1):103-18

Binding of wheat germ ribosomes to fragmented viral mRNA. Kozak M. **J Virol** 1980 Sep;35(3):748-56

Ribosome turnover in rat brain and liver. Retz KC, et al. **Life Sci** 1980 Dec 22-29;27(25-26):2601-4

Fluorescent tRNA derivatives and ribosome recognition. Wintermeyer W, et al. **Mol Biol Biochem Biophys** 1980; 32:368-75

Ribosome-membrane interactions: characterization of ribosomal proteins from loose and tight bound ribosomes. Hoffman WL, et al. **Mol Biol Rep** 1980 Jul 31;6(2):79-82

Two-step binding of eukaryotic ribosomes to brome mosaic virus RNA3. Ahlquist P, et al. **Nature** 1979 Sep 27; 281(5729):277-82

Inhibition of 40S--Met--tRNAfMet ribosomal initiation complex formation by vaccinia virus. Person A, et al. **Nature** 1980 Sep 25;287(5780):355-7

Basepairing potential of the 3' terminus of 16S RNA: dependence on the functional state of the 30S subunit and the presence of protein S21. Backendorf C, et al. **Nucleic Acids Res** 1981 Mar 25;9(6):1425-44

Characterization of Mg2+-induced conformational change in the 50S ribosomal subunit by differential hydrogen exchange. Bonnet D, et al. **Nucleic Acids Res** 1980 Jun 11;8(11):2489-98

Assignment of reovirus mRNA ribosome binding sites to virion genome segments by nucleotide sequence analyses. Darzynkiewicz E, et al. **Nucleic Acids Res** 1980 Jan 25; 8(2):337-50

Comparative study of the interaction of polyuridylic acid with 30S subunits and 70S ribosomes of Escherichia coli. Katunin VI, et al. **Nucleic Acids Res** 1980 Jan 25; 8(2):403-21

Dinucleotide codon-anticodon interaction as a minimum requirement for ribosomal aa-tRNA binding: stabilisation by viomycin of aa-tRNA in the A site. Lührmann R. **Nucleic Acids Res** 1980 Dec 11;8(23):5813-24

Preparation procedures of proteins and RNA influence the total reconstitution of 50S subunits from E. coli ribosomes. Nowotny V, et al. **Nucleic Acids Res** 1980 Mar 11; 8(5):989-98

Binding of ribosomes to the 5' leader sequence (N = 258) of RNA 3 from alfalfa mosaic virus. Pinck M, et al. **Nucleic Acids Res** 1981 Mar 11;9(5):1087-100

The ribosome binding sites recognized by E. coli ribosomes have regions with signal character in both the leader and protein coding segments. Scherer GF, et al. **Nucleic Acids Res** 1980 Sep 11;8(17):3895-907

Ribosome binding by tRNAs with fluorescent labeled 3' termini. Wells BD, et al. **Nucleic Acids Res** 1980 Jul 25; 8(14):3229-46

Cross-linking of Met-tRNAf to eIF-2 beta and to the ribosomal proteins S3a and S6 within the eukaryotic inhibition complex, eIF-2 .GMPPCP.Met-tRNAf.small ribosomal subunit. Westermann P, et al. **Nucleic Acids Res** 1981 May 25;9(10):2387-96

The alpha and gamma subunits of initiation factor eIF-2 can be cross-linked to 18S ribosomal RNA within the quaternary initiation complex, eIF-2.Met-tRNAf.GDPCP.small ribosomal subunit. Westermann P, et al. **Nucleic Acids Res** 1980 Jul 25; 8(14):3065-71

Association of a synthetic precistronic region with 70S ribosomes is enhanced by an intact initiation triplet and a sequence complementary to the 3'-terminus of 16S rRNA. Neilson T, et al. **Nucleic Acids Symp Ser** 1980; (7):313-23

Posttranscriptional modification of mRNA conformation: mechanism that regulates erythromycin-induced resistance. Horinouchi S, et al. **Proc Natl Acad Sci USA** 1980 Dec; 77(12):7079-83

Ribosomal protein L7/L12 is required for optimal translation. Pettersson I, et al. **Proc Natl Acad Sci USA** 1980 Jul; 77(7):4007-10

Synthetic activity in cell-free systems of ribosomes subunits isolated from Bufo bufo unfertilized eggs. Manelli H, et al. **Riv Biol** 1980;73(3):385-404 **(Eng, Ita)**

The role of ribonucleic acids in the organization and functioning of ribosomes of E. coli. Bogdanov AA, et al. **Subcell Biochem** 1980;7:81-116 (198 ref.)

Biogenesis of ribosomes in eukaryotes. Hadjiolov AA. **Subcell Biochem** 1980;7:1-80 (345 ref.)

Initiation of protein synthesis in yeast: binding of Met-tRNAi. Kreutzfeldt C. **Z Naturforsch [C]** 1981 Jan-Feb;36(1-2):142-8

[Ribosomal synthesis of polyleucine on a polyuridylic acid matrix in a cell-free translation system] Rutkevich NM, et al. **Dokl Akad Nauk SSSR** 1980;254(3):766-8 **(Rus)**

[Binding of Escherichia coli 50S ribosomal subunit proteins with two large 5S RNA fragments] Maĭmets TO, et al. **Mol Biol (Mosk)** 1981 May-Jun;15(3):569-74 (Eng. Abstr.) **(Rus)**

[Electron microscopic study of transcription of loach oocyte ribosomal genes] Popenko VI, et al. **Mol Biol (Mosk)** 1981 Mar-Apr;15(2):430-8 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Isopycnography of intact cells - III: concentration of ribosomes in Escherichia coli versus growth rate. Quann CD, et al. **Biochem Biophys Res Commun** 1980 Nov 28; 97(2):520-3

Does the capacity of ribosomes to control translation fidelity change with age? Butzow JJ, et al. **Mech Ageing Dev** 1981 Feb;15(2):203-16

Thiopyronine sensitized photodynamic effect on ribosome synthesis and ribosome content in Saccharomyces cells. Lochmann ER, et al. **Radiat Environ Biophys** 1981; 19(3):181-6

The ribosome. Lake JA. **Sci Am** 1981 Aug;245(2):84-97 (0 ref.)

[Mechanism of protein synthesis initiation by E. coli ribosomes (author's transl)] Taniguchi T. **Seikagaku** 1980; 52(2):84-97 (74 ref.) **(Jpn)**

RADIATION EFFECTS

Evidence for pyrimidine-pyrimidine cyclobutane dimer formation in the covalent cross-linking between transfer ribonucleic acid and 16S ribonucleic acid at the ribosomal P site. Ofengand J, et al. **Biochemistry** 1980 Oct 14; 19(21):4814–22

Photo-induced crosslinking between phenylalanine transfer RNA and messenger RNA on the Escherichia coli ribosome. Matzke AJ, et al. **Eur J Biochem** 1980 Nov; 112(1):169–78

Radiochemical cross-linking of proteins to RNA within ribosomal subunits from E. coli MRE 600. Giocanti N, et al. **Int J Radiat Biol** 1980 Jul;38(1):63–82

ULTRASTRUCTURE

Neighbourhoods of proteins S2--S3, S3--S3a, S15--S15a, and S5--S25 within the small subunit of rat liver ribosomes. Westermann P, et al. **Acta Biol Med Ger** 1980; 39(11–12):1147–52

Acute promonocytic leukaemia with ribosome-lamella complexes and elevated muramidase activity in serum and urine. A clinical, morphological, cytochemical and immunochemical study. Feremans WW, et al. **Acta Clin Belg** 1980;35(4):212–21

Conditions for ethanol precipitation of active 50 S ribosomal subunits from Escherichia coli. Cohlberg JA. **Anal Biochem** 1980 Jul 15;106(1):195–8

Rapid purification of highly active ribosomes from Escherichia coli. Jelenc PC. **Anal Biochem** 1980 Jul 1; 105(2):369–74

Continuous-flow ultracentrifugation in preparative biochemistry. Round JJ, et al. **Ann NY Acad Sci** 1981; 369:265–74

Raman spectra and conformational properties of ribosomes during various stages of disassembly. Thomas GJ Jr, et al. **Biochemistry** 1980 Jul 22;19(15):3604–13

Factor-dependent dissociation of wheat germ ribosomes. Goldstein LA, et al. **Biochim Biophys Acta** 1981 Feb 26; 652(2):303–13

A computer model for the 30S ribosome subunit. Kuntz ID, et al. **Biophys J** 1980 Nov;32(2):677–95

RNA-protein crosslinking by reaction with a soluble carbodiimide. Chiarrutini C, et al. **FEBS Lett** 1980 Sep 22;119(1):145–9

Primary structure of protein S11 from Escherichia coli ribosomes. Kamp R, et al. **FEBS Lett** 1980 Nov 17; 121(1):117–22

The ternary complex consisting of rat liver ribosomal 5 S RNA, 5.8 S RNA and protein L5. Metspalu A, et al. **FEBS Lett** 1980 Sep 22;119(1):81–4

Topography of RNA in the ribosome: location of the 3'-end of 5 S RNA on the central protuberance of the 50 S subunit. Shatsky IN, et al. **FEBS Lett** 1980 Nov 17;121(1):97–100

Topography of RNA in the ribosome: localization of the 3'-end of the 23 S rna on the surface of the 50 S ribosomal subunit by immune electron microscopy. Shatsky IN, et al. **FEBS Lett** 1980 Dec 29;122(2):251–5

Physical characteristics of the reconstitution intermediate RI50(1) from the 50 S ribosomal subunit of Escherichia coli. Tam MF, et al. **FEBS Lett** 1980 Nov 3;120(2):230–2

Segments of the 16 S RNA located on the surface of the 30 S subunits of Escherichia coli ribosomes. Teterina NL, et al. **FEBS Lett** 1980 Jul 28;116(2):265–8

Amino acid sequence of protein L22 from the large subunit of the Escherichia coli ribosome. Wittmann-Liebold B, et al. **FEBS Lett** 1980 Nov 17;121(1):105–12

The primary structure of protein S10 from the small ribosomal subunit of Escherichia coli. Yaguchi M, et al. **FEBS Lett** 1980 Nov 17;121(1):113–6

3 micron DNA - an extrachromosomal ribosomal DNA in the yeast Saccharomyces cerevisiae. Larionov VL, et al. **Genet** 1980 Dec;12(1–2):41–9

Application of thin tungsten shadowing to freeze-dried ribosomal small subunits of Escherichia coli. Hosoi J, et al. **J Electron Microsc (Tokyo)** 1980;29(2):202–4

Conformation of ribosomes from the vegetative amoebae and spores of Dictyoistelium discoideum. Boublik M, et al. **MGG** 1980;179(3):483–8

Structure and evolution of ribosomes. Wittmann HG. **Mol Biol Biochem Biophys** 1980;32:376–97 (10 ref.)

Experimental determination of interacting sequences in ribosomal RNA. Ross A, et al. **Nature** 1979 Sep 27; 281(5729):271–6

Escherichia coli ribosome unfolding in low Mg2+ solutions observed by laser Raman spectroscopy and electron microscopy. King TC, et al. **Nucleic Acids Res** 1981 Feb 11;9(3):647–61

Chemical probing of the tRNA--ribosome complex. Peattie DA, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2273–7

Immune electron microscopy of enzyme complexes and cellular organelles. Kahan L, et al. **Prog Clin Biol Res** 1980; 40:331–2

Changes in the free and rough endoplasmic reticulum-bound ribosomes of Ehrlich ascites cancer cells during the cell cycle. López-Burillo S, et al. **Rev Esp Oncol** 1980; 27(1):7–27

Secondary structure of 16S ribosomal RNA. Noller HF, et al. **Science** 1981 Apr 24;212(4493):403–11

Dark field electron microscopy of the 30S subunit of the E. coli ribosome. Korn AP. **Ultramicroscopy** 1980; 5(4):513–20

[Genetics, structure and function of bacterial ribosomes] Bollen A. **Bull Mem Acad R Med Belg** 1980 Jun 28; 135(6):382–430 (43 ref.) (Eng. Abstr.) **(Fre)**

[Obtaining ribosome crystals in homogenates] Bersani F, et al. **Boll Soc Ital Biol Sper** 1979 Aug 30;55(16):1630–6 (Eng. Abstr.) **(Ita)**

[Ribosome crystallization in the in vitro differentiation of chick embryo epidermis] Bubola G, et al. **Boll Soc Ital Biol Sper** 1981 Mar 15;57(5):497–503 (Eng. Abstr.) **(Ita)**

[Morphological observations on the connection between tetramers in partially disaggregated ribosome microcrystals] Pettazzoni P, et al. **Boll Soc Ital Biol Sper** 1981 Mar 15;57(5):511–7 (Eng. Abstr.) **(Ita)**

[Presence of microtubular and filamentous structures in frequent association with ribosomal crystals] Pettazzoni P, et al. **Boll Soc Ital Biol Sper** 1979 Aug 30;55(16):1623–9 (Eng. Abstr.) **(Ita)**

[Ribosomal crystallization in the in vitro differentiation of mesenchymal cells interacting with the epithelium] Zambonelli LS, et al. **Boll Soc Ital Biol Sper** 1981 Mar 15;57(5):504–10 (Eng. Abstr.) **(Ita)**

[A case of acute monoblastic leukemia with ribosome lamella complex-like structure in leukemic cells (author's transl)] Takai K, et al. **Rinsho Ketsueki** 1980 Sep;21(9):1378–87 (Eng. Abstr.) **(Jpn)**

[In vitro binding of 70S ribosomes to membrane structures of Escherichia coli] Orlov VG, et al. **Biokhimiia** 1980 Aug; 45(8):1481–7 (Eng. Abstr.) **(Rus)**

[Relative polysome and monosome content in human lymphocytes normally and in chronic lympholeukemia depending on the therapy] Morozov EO, et al. **Probl Gematol Pereliv Krovi** 1980 Aug;25(8):8–12 (Eng. Abstr.) **(Rus)**

RIBOSTAMYCIN see under **ANTIBIOTICS**

RIBS

En bloc chest wall resection for candidal costochondritis in a drug addict. Yap S, et al. **Ann Thorac Surg** 1981 Feb; 31(2):182–7

Candida endophthalmitis and infection of costal cartilages. Ho PC, et al. **Br J Ophthalmol** 1981 May;65(5):333–4

The thoracic outlet syndrome produced by costochondritis. Pasquariello PS Jr, et al. **Clin Pediatr (Phila)** 1981 Sep; 20(9):602–3

Respiratory pattern changes during costovertebral joint movement. Shannon R. **J Appl Physiol** 1980 May; 48(5):862–7

Slipping-rib syndrome [letter] Eastwood NB. **Lancet** 1980 Oct 11;2(8198):809

Slipping-rib syndrome. Wright JT. **Lancet** 1980 Sep 20; 2(8195 pt 1):632–4

Slipping rib syndrome. Mayo P, et al. **South Med J** 1981 Aug;74(8):1027

[Polyradiculoneuritis associated with plasmocytoma. Recovery following radiotherapy (author's transl)] Bousser MG, et al. **Nouv Presse Med** 1981 Jan 24;10(3):157–60 (Eng. Abstr.) **(Fre)**

[Intra-osseous desmoid fibroma with costal localization (letter)] Salliere D, et al. **Rev Rhum Mal Osteoartic** 1980 Oct;47(10):579–80 **(Fre)**

[Cure of chondrosarcoma following incomplete resection] Bodoragin N, et al. **Harefuah** 1981 Jan 1;100(1):21–2 (Eng. Abstr.) **(Heb)**

[Chest wall tumors - case reports] Przystasz T, et al. **Wiad Lek** 1981 Jan 15;34(2):135–9 (Eng. Abstr.) **(Pol)**

[Hemangioma of the rib] Vasin VA, et al. **Grudn Khir** 1980 Nov-Dec;(6):82–3 **(Rus)**

[Value of the determination of intracostal pressure for the diagnosis of portal hypertension] Andreev GN. **Vestn Khir** 1981 Jun;126(6):43–5 **(Rus)**

[Transformation of a rib plasmocytoma into an amyloid tumor (author's transl)] Muñoz JA, et al. **Med Clin (Barc)** 1981 Mar 25;76(6):267–70 (Eng. Abstr.) **(Spa)**

[Costal chondrosarcoma mimicking an abdominal tumor (letter)] Pigrau Serrallach C, et al. **Med Clin (Barc)** 1981 Mar 25;76(6):280 **(Spa)**

ABNORMALITIES

Pathophysiology of congenital anomalies in thoracic outlet syndrome. Roos DB. **Acta Chir Belg** 1980 Sep-Oct; 79(5):353–61

Radiological case of the month: intrathoracic rib. Hilton SV, et al. **Am J Dis Child** 1980 Nov;134(11):1085–6

Short rib-polydactyly syndrome, Majewski type. Chen H, et al. **Am J Med Genet** 1980;7(2):215–22

Non-Majewski short rib-polydactyly syndrome. Sillence DO. **Am J Med Genet** 1980;7(2):223–9

Short rib-polydactyly syndrome, type 3 with chondrocytic inclusions: report of a case and review of the literature. Yang SS, et al. **Am J Med Genet** 1980;7(2):205–13

Spondylo-costal dysplasia--severe and moderate types (report of 8 cases). Kozlowski K. **Australas Radiol** 1981 Mar;25(1):81–90

Cerebro-costo-mandibular syndrome. Silverman FN, et al. **J Pediatr** 1980 Sep;97(3):406–16

Syndrome of hydrocephalus, costovertebral dysplasia and Sprengel anomaly with autosomal dominant inheritance. Waaler PE, et al. **Neuropaediatrie** 1980 Aug;11(3):291–7

Short rib-polydactyly syndrome, type Verma-Naumoff. Belloni C, et al. **ROEFO** 1981 Apr;134(4):431–5

Accessory caudal axial and pelvic ribs. Bohutová J, et al. **ROEFO** 1980 Dec;133(6):641–3

[Abnormal ribs of the caudal part of the axial skeleton and pelvis (author's transl)] Bohutová J, et al. **Cas Lek Cesk** 1980 Jul 11;119(27–28):761–4 (Eng. Abstr.) **(Cze)**

[Sacral ribs (author's transl)] Vítovec J. **Cesk Radiol** 1980 Nov;34(6):407–9 (Eng. Abstr.) **(Cze)**

[Developmental anomalies of the rib combined with congenital cavitary formations in the lungs] Chaĭka AI. **Vestn Rentgenol Radiol** 1981 Jan-Feb;(1):16–9 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Long-term follow-up donor and recipient sites after autologous bone grafts for reconstruction of the facial skeleton. Stoll P, et al. **J Oral Surg** 1981 Sep;39(9):676–7

BLOOD SUPPLY

Control of massive hemoptysis by embolization of intercostal arteries [letter] Fellows KE. **Radiology** 1981 Jul; 140(1):249–50

INJURIES

Upward dislocation of the first rib: a rare cause of nerve entrapment, producing brachialgia. McCormick CC, et al. **Br J Radiol** 1981 Feb;54(638):140–2

[Forensic medical identification of stabbing and cutting weapons from the marks of the blade's microrelief on rib cartilage] Zagriadskaia AP, et al. **Sud Med Ekspert** 1981 Jan-Mar;24(1):45–8 **(Rus)**

METABOLISM

Morphological and histochemical studies in human rib cartilage chondrons of different age groups. Wobst R, et al. **Gerontology** 1980;26(6):311–20

PATHOLOGY

Pleural effusion as a complication of solitary eosinophilic granuloma of the rib. Pappas CA, et al. **Hum Pathol** 1980 Nov;11(6):675–7

Rib notching. Morishima M. **Nurse Pract** 1980 Jul-Aug; 5(4):46–7

PHYSIOLOGY

Rib cage and abdominal restrictions have different effects on lung mechanics. Bradley CA, et al. **J Appl Physiol** 1980 Dec;49(6):946–52

Effect of regional chest wall restriction on regional lung function. Forkert L. **J Appl Physiol** 1980 Oct;49(4):655–62

Mineralization of the costal cartilages as an indicator of age: preliminary observations. McCormick WF. **J Forensic Sci** 1980 Oct;25(4):736–41

PHYSIOPATHOLOGY

Costoclavicular syndrome and the sitting position during anesthesia. Patel RI, et al. **Anesthesiology** 1980 Oct; 53(4):341–2

RADIOGRAPHY

Rib artefact in computed tomography. Dixon AK, et al. **Br J Radiol** 1981 Jan;54(637):78–9

Tuberculosis of the ribs. Brown TS. **Clin Radiol** 1980 Nov; 31(6):681–4

Contribution of CT in thoracic bony lesions. de Gautard R, et al. **J Can Assoc Radiol** 1981 Mar;32(1):39–41

Computed tomography in diagnosis of vascular rib lesions in children. Rose JS, et al. **Mt Sinai J Med (NY)** 1981 May-Jun;48(3):246–9

[Expanded rib deformity. An early sign of tuberous sclerosis (author's transl)] Cortina H, et al. **Ann Pediatr (Paris)** 1980 Mar;27(3):188–90 **(Fre)**

[What is it? (author's transl)] Kaniowski T, et al. **Pol Przegl Radiol** 1980 Mar-Apr;44(2):181–2 **(Pol)**

RADIONUCLIDE IMAGING

Differentiation of rib fractures from metastases by bone scanning. Harbert JC, et al. **Clin Nucl Med** 1981 Aug; 6(8):359–61

Radionuclide appearance of rheumatoid rib erosions. Hogan DB, et al. **Clin Nucl Med** 1981 Aug;6(8):366–7

Lesions in the ribs detected by bone scanning. Fogelman I. **Clin Radiol** 1980 May;31(3):317–20

SURGERY

Recurrent thoracic outlet syndrome after first rib resection. Roos DB. **Acta Chir Belg** 1980 Sep-Oct;79(5):363–72

Supraclavicular resection of the first rib for thoracic outlet syndrome. Hempel GK, et al. **Am J Surg** 1981 Feb; 141(2):213–5

Subclavicular approach to first rib resection. Murphy TO, et al. **Am J Surg** 1980 May;139(5):634–6

TRANSPLANTATION

Split rib graft for alar collapse. Bridger GP. **Arch Otolaryngol** 1981 Feb;107(2):110–3

Growth effects of differing oronasal flaps on rib grafts in the dog palate. Stauffer GF, et al. **Br J Plast Surg** 1981 Apr;34(2):206–11

Surgical correction of absent sternum with homologous rib graft. Chaukar AP, et al. **J Postgrad Med** 1980 Jul; 26(3):180B–185

A new flap in the dog containing a vascularized rib graft--the latissimus dorsi myoosteocutaneous flap. Schlenker JD, et al. **J Surg Res** 1980 Aug;29(2):172–83

Anterior vascular pedicle bone grafting for the treatment of kyphosis. Bradford DS. **Spine** 1980 Jul–Aug;5(4):318–23

[Clinical and radiological findings in absolute alveolar ridge augmentation on the mandible with autologous costal grafts] Dumbach J, et al. **Dtsch Zahnaerztl Z** 1980; 35(11):1003–6 (Eng. Abstr.) **(Ger)**

RIBULOSE see under **PENTOSES**

RIBULOSEBIPHOSPHATE CARBOXYLASE see under **CARBOXY-LYASES**

RIBULOSEPHOSPHATES see under **PENTOSEPHOSPHATES**

RICE

Absorption of macronutrients from a rice-vegetable diet before and after treatment of ascariasis in children. Brown KH, et al. **Am J Clin Nutr** 1980 Sep;33(9):1975–82

Chemical properties and interactions of rice hemicellulose with trace minerals in vitro. Mod RR, et al. **J Agric Food Chem** 1981 May–Jun;29(3):449–54

Migratory history as a factor influencing dietary habit. Uchino S. **J Hum Ergol (Tokyo)** 1979 Dec;8(2):117–23

Rice water for infant gastroenteritis [letter] Kleevens JW. **Lancet** 1981 Aug 8;2(8241):306

Rice water in treatment of infantile gastroenteritis [letter] Wong HB. **Lancet** 1981 Jul 11;2(8237):102–3

[Rice fields of the Crimea and their anophelogenic role] Alekseev EV. **Med Parazitol (Mosk)** 1980 Jul–Aug; 49(4):28–32 (Eng. Abstr.) **(Rus)**

ANALYSIS

Polychlorinated biphenyls and polychlorinated dibenzofurans in the toxic rice-bran oil that caused PCB poisoning in Taichung. Chen PH, et al. **Bull Environ Contam Toxicol** 1981 Apr;26(4):489–95

Volatilization and exudation losses of three N-methylcarbamate insecticides applied systemically to rice. Ferreira GA, et al. **J Agric Food Chem** 1981 Jan–Feb; 29(1):93–9

Protein quality of rice as affected by application of nitrogen fertilizer. Vaughan DA, et al. **J Agric Food Chem** 1980 Sep–Oct;28(5):894–6

High-performance liquid chromatography of the mycotoxin sterigmatocystin and its application to the analysis of mouldy rice for sterigmatocystin. Schmidt R, et al. **J Chromatogr** 1981 Mar 27;207(3):435–8

Presence of a thiamine-binding protein in rice bran. Nishino A, et al. **J Nutr Sci Vitaminol (Tokyo)** 1980;26(4):415–8

Residual concentrations of propanil, TCAB, and other pesticides in rice-growing of soils in the United States, 1972. Carey AE, et al. **Pestic Monit J** 1980 Jun;14(1):23–5

Evaluation of local varieties of Egyptian rice. Awadalla MZ, et al. **Z Ernaehrungswiss** 1981 Jun;20(2):152–5

Amino acid distribution of cereals in commercial mill products. El-Saied HM, et al. **Z Ernaehrungswiss** 1981 Jun; 20(2):139–44

[Reactivity of rice bran lectin for human erythrocytes (author's transl)] Abe T, et al. **Yakugaku Zasshi** 1981 Jan; 101(1):78–81 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Effect of fluoride on in vivo nitrate reduction in the rive leaves (Oryza sativa L.). Srinivasan, et al. **Experientia** 1980 Jun 15;36(6):634–5

GENETICS

Genetic and biochemical characterization of waxy mutants in cereals. Amano E. **Environ Health Perspect** 1981 Jan; 37:35–41

METABOLISM

Histones & their phosphorylation during germination of rice seeds. Iqbal Ahmed CM, et al. **Indian J Biochem Biophys** 1980 Apr;17(2):104–8

SCP production from rice stover: solid state Vs. submerged fermentation. Ghai SK, et al. **Indian J Exp Biol** 1981 Jan; 19(1):61–4

PARASITOLOGY

Extermination of Fasciola gigantica metacercariae. Kimura S, et al. **J Parasitol** 1980 Aug;66(4):699–700

RICIN

see related **RICINUS**

Isolation and characterization of cyanogen bromide fragments of the A and B chains of the antitumor toxin ricin D. Bull H, et al. **Int J Pept Protein Res** 1980 Sep; 16(3):208–18

Insulin-ricin B chain conjugate. A hybrid molecule with ricin-binding activity and insulin biological activity. Roth RA, et al. **J Biol Chem** 1981 Jun 10;256(11):5350–4

Ricin B chain is a product of gene duplication. Villafranca JE, et al. **J Biol Chem** 1981 Jan 25;256(2):554–6

ADMINISTRATION & DOSAGE

Doxorubicin and ricin, a strongly synergistic combination in mouse leukemia. Fodstad O, et al. **Cancer Treat Rep** 1980;64(12):1375–8

Antibody-directed cytotoxic agents: use of monoclonal antibody to direct the action of toxin A chains to colorectal carcinoma cells. Gilliland DG, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4539–43

Selective killing of normal or neoplastic B cells by antibodies coupled to the A chain of ricin. Krolick KA, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5419–23

Anti-Thy 1.2 monoclonal antibody linked to ricin is a potent cell-type-specific toxin. Youle RJ, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5483–6

ANALYSIS

Isolation and properties of two toxic tryptic peptides from ricin, the toxin of Ricinus communis L. (castor bean) seeds. Creppy EE, et al. **Toxicon** 1980;18(5–6):649–60

Enzyme-linked immunoassay of ricin. Koja N, et al. **Toxicon** 1980;18(5–6):611–8

[Ricin, the toxic protein of the castor-oil plant (Ricinus communis L). Structure and properties (author's transl)] Lugnier AA, et al. **Pathol Biol (Paris)** 1980 Feb; 28(2):127–39 (Eng. Abstr.) **(Fre)**

DIAGNOSTIC USE

Monovalent lectin as a novel tool for the resolution of microheterogeneity in glycoproteins. Surolia A, et al. **Anal Biochem** 1980 Jul 1;105(2):436–40

IMMUNOLOGY

Hybrid antibodies with dual specificity for the delivery of ricin to immunoglobulin-bearing target cells. Raso V, et al. **Cancer Res** 1981 Jun;41(6):2073–8

Specific cytotoxicity of a human immunoglobulin-directed Fab'-ricin A chain conjugate. Raso V, et al. **J Immunol** 1980 Dec;125(6):2610–6

METABOLISM

Viral infection permeabilizes mammalian cells to protein toxins. Fernández-Puentes C, et al. **Cell** 1980 Jul; 20(3):769–75

The effect of amphotericin B on lectin-induced aggregation of cell surface receptors. Zagyansky Y, et al. **Exp Cell Res** 1981 Apr;132(2):387–97

PHARMACODYNAMICS

Inhibition of Escherichia coli protein synthesis by a limited tryptic digest of ricin, the toxin of Ricinus communis L. seeds. Haas-Kohn LJ, et al. **Biochem Biophys Res Commun** 1980 Dec 16;97(3):962–7

Differential effects of nitrated ricin and nitrated and dithionite-reduced ricin on protein-synthesis inhibition and transmembrane tramsport in eukaryotic cells. Dalrymple PN, et al. **Biochem J** 1980 Jun 15;188(3):941–4

Lectin-mediated aggregation of liposomes containing glycolipids with variable hydrophilic spacer arms. Slama JS, et al. **Biochemistry** 1980 Sep 30;19(20):4595–600

Cell surface receptors for wheat germ agglutinin and limulin in baby hamster kidney cells and ricin resistant variants. Obrenovitch A, et al. **Biochimie** 1981 Mar;63(3):169–75

Synergistic effect of adriamycin and ricin on L1210 leukemic cells in mice. Fodstad O, et al. **Cancer Res** 1980 Oct; 40(10):3735–9

Ricinus communis toxin interacts specifically with GM 1 ganglioside incorporated into planar lipid bilayers. Kayser G, et al. **FEBS Lett** 1981 May 18;127(2):207–10

Methylamine stimulates the action of ricin toxin but inhibits that of diphtheria toxin. Mekada E, et al. **J Biol Chem** 1981 Feb 10;256(3):1225–8

On the role of the covalent carbohydrate in the action of ricin. Simeral LS, et al. **J Biol Chem** 1980 Dec 10; 255(23):11098–101

TOXICITY

Epidermal growth factor-toxin A chain conjugates: EGF-ricin A is a potent toxin while EGF-diphtheria fragment A is nontoxic. Cawley DB, et al. **Cell** 1980 Nov; 22(2 Pt 2):563–70

Studies on the galactose-binding site of ricin and the hybrid toxin Man6P-ricin. Youle RJ, et al. **Cell** 1981 Feb; 23(2):551–9

RICINOLEIC ACIDS see under **FATTY ACIDS, UNSATURATED**

RICINUS

see related **CASTOR OIL**

Naturally occurring and experimentally induced castor bean (Ricinus communis) poisoning in ducks. Jensen WI, et al. **Avian Dis** 1981 Jan–Mar;25(1):184–94

Abrus and ricinus ingestion: management of three cases. Kinamore PA, et al. **Clin Toxicol** 1980 Oct;17(3):401–5

Visual hallucinations and psychosis associated with the leaf of the castor oil tree [letter] Hemphill RE. **S Afr Med J** 1981 Jan 24;59(4):96

[Castor bean poisoning] Maretić Z. **Arh Hig Rada Toksikol** 1980;31(3):251–7 (Eng. Abstr.) **(Scr)**

ANALYSIS

A rapid method for quantification & elucidation of the anomeric sugar specificity of lectins: demonstration with the lectins from Bandeiraea simplicifolia & Ricinus communis. Ghosh M, et al. **Indian J Biochem Biophys** 1980 Oct;17(5):344–6

IMMUNOLOGY

Castor bean allergens: evidence for distinct heat-labile and stable entities. Lehrer SB, et al. **Int Arch Allergy Appl Immunol** 1981;65(1):69–75

[Allergy due to castor bean meal (author's transl)] Pevny I. **Derm Beruf Umwelt** 1979;27(6):159–62 (28 ref.) (Eng. Abstr.) **(Ger)**

RICKETS

Grand round series. Rickets. Lovinger RD. **Pediatrics** 1980 Sep;66(3):359–65 (58 ref.)

BLOOD

Rickets of prematurity. Supranormal levels of serum 1,25-dihydroxyvitamin D. Chesney RW, et al. **Am J Dis Child** 1981 Jan;135(1):34–7

Serum 25-hydroxy-vitamin D levels in malnourished children with rickets. Raghuramulu N, et al. **Arch Dis Child** 1980 Apr;55(4):285–7

Elevated serum 1,25 dihydroxyvitamin D concentrations in rickets of very low-birth-weight infants. Steichen JJ, et al. **J Pediatr** 1981 Aug;99(2):293–8

[Physiopathological aspects of the parathyroid hormone and calcitonin in childhood] Tanas R, et al. **Minerva Pediatr** 1979 Dec 15;31(23):1669–76 (Eng. Abstr.) **(Ita)**

CHEMICALLY INDUCED

Rickets due to chronic anticonvulsant therapy. Sebes JI, et al. **IMJ** 1981 Jul;160(1):28–30

[Rickets in a child due to the combination of phenobarbital and valproic acid (letter)] Hausser C, et al. **Nouv Presse Med** 1981 Apr 4;10(15):1243 **(Fre)**

[Radiological changes in the skeleton due to anticonvulsant therapy in childhood (author's transl)] Fritsch R, et al. **ROEFO** 1981 Jan;134(1):56–61 (Eng. Abstr.) **(Ger)**

[Phenobarbital-induced forms of rickets] Mogorianu PD, et al. **Pediatriia** 1980 Jul;(7):72–3 (22 ref.) **(Rus)**

COMPLICATIONS

[Evaluation of the masticatory apparatus of preschool and schoolchildren with a past history of treated rickets] Winiarska-Majczyno M, et al. **Czas Stomatol** 1980 Oct; 33(10):897–904 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Late presentation of vitamin D-dependent rickets. Cowen J, et al. **Arch Dis Child** 1980 Dec;55(12):964–6

Pseudohypoparathyroidism presenting with rickets. Wilson JD, et al. **J Clin Endocrinol Metab** 1980 Nov;51(5):1184–9

DRUG THERAPY

Rickets: primary hypophosphatemic and vitamin D-dependent varieties [editorial] Harrison HE, et al. **J Pediatr** 1981 Jul;99(1):84–5

Rickets in low-birth-weight infants [letter] Ozsoylu S. **J Pediatr** 1981 Apr;98(4):672–4

The effect of various cholecalciferol-related substances on the biosynthesis of the cholecalciferol-dependent calcium-binding protein in the small intestine of the rachitic chick and its relation to rickets. Jones LT, et al. **Nutr Metab** 1980;24(3):161–7

The antirachitic activity of Solanum glaucophyllum leaves. Puche RC, et al. **Planta Med** 1980 Dec;40(4):378–81

[Hereditary pseudovitamin-D-deficiency rickets with alopecia as a consequence of extreme resistance of target organs to 1.25-(OH)2-cholecalciferol. Therapeutic progress in another disorder of vitamin-D-metabolism (author's transl)] Uhlig R. **Monatsschr Kinderheilkd** 1981 Jul;129(7):420–2 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Aetiological factors in rickets of prematurity. Bosley AR,

et al. **Arch Dis Child** 1980 Sep;55(9):683–6
Nutritional rickets in 2 very low birthweight infants with chronic lung disease. Chudley AE, et al.
Arch Dis Child 1980 Sep;55(9):687–90
Phosphate deficiency and rickets [letter] Lapatsanis P, et al.
Arch Dis Child 1981 Aug;56(8):653
Factors causing rickets in institutionalised handicapped children on anticonvulsant therapy. Morijiri Y, et al.
Arch Dis Child 1981 Jun;56(6):446–9
The role of cereals in the aetiology of nutritional rickets: the lesson of the Irish National Nutrition Survey 1943–8. Robertson I, et al. **Br J Nutr** 1981 Jan;45(1):17–22
Dietary vitamin D: is it necessary? Lawson DE.
J Hum Nutr 1981 Feb;35(1):61–3
Etiologic factors in rickets of very low-birth-weight infants. Callenbach JC, et al. **J Pediatr** 1981 May;98(5):800–5
Vitamin D deficiency rickets as a late complication of the short gut syndrome during infancy. Touloukian RJ, et al.
J Pediatr Surg 1981 Jun;16(3):230–5
[Role of hypomagnesemia in rickets in infants (clinical and therapeutic study)] Balla A, et al.
Rev Pediatr Obstet Ginecol [Pediatr] 1981 Apr–Jun; 30(2):149–58 (Eng. Abstr.) **(Rum)**

METABOLISM

Studies on the mode of action of calciferol, XXXII. Evidence for a 24(R),25(OH)2-vitamin D3 receptor in the parathyroid gland of the rachitic chick. Merke J, et al.
Biochem Biophys Res Commun 1981 May 29;100(2):551–8
Effects of 1 alpha-hydroxy vitamin D3 on the rachitic chick intestine: a comparison to the effects of 1,25-dihydroxyvitamin D3. Bikle DD, et al.
Calcif Tissue Int 1980;32(1):9–17
Effect to cholecalciferol and 1,25-Dihydroxycholecalciferol on the intestinal absorption of zinc in the chick. Koo SI, et al. **J Nutr** 1980 Sep;110(9):1813–8
Enhanced absorption of calcium by casein phosphopeptides in rachitic and normal chicks. Mykkänen HM, et al.
J Nutr 1980 Nov;110(11):2141–8
[State of zinc metabolism in infants with the manifestations of rickets in acute pneumonias] Galiuk SV, et al.
Pediatriia 1980;(9):54–5 **(Rus)**

OCCURRENCE

Nutritional osteomalacia and late rickets in Greater London, 1974—1979: clinical and metabolic studies in 45 patients. Stamp TC, et al. **Clin Endocrinol Metab** 1980 Mar; 9(1):81–105 (72 ref.)
Profile of rickets in hilly areas of Himachal Pradesh. Bahl L, et al. **Indian J Pediatr** 1980 Jan–Feb;47(384):89–92
Asian rickets in Britain [editorial] **Lancet** 1981 Aug 22; 2(8243):402
Reduced prevalence of rickets in Asian children in Glasgow. Goel KM, et al. **Lancet** 1981 Aug 22;2(8243):405–7
Rickets and osteomalacia. Report of the Working Party on Fortification of Food with Vitamin D. Committee on Medical Aspects of Food Policy.
Rep Health Soc Subj (Lond) 1980;19:i–xii, 1–66 (172 ref.)

PATHOLOGY

Neonatal rickets. Histopathology and quantitative bone changes. Oppenheimer SJ, et al. **Arch Dis Child** 1980 Dec; 55(12):945–9
Histological observations on the failure of rachitic rat bones to respond to 1,25/OH)2D3. Gallagher JA, et al.
Calcif Tissue Int 1980;31(3):215–23
Pathological manifestations of osteomalacia and rickets. Teitelbaum SL. **Clin Endocrinol Metab** 1980 Mar;9(1):43–62 (42 ref.)

PHYSIOPATHOLOGY

A patient with nutritional rickets stage 1 or partial hypoparathyroidism. Bétend B, et al.
Acta Paediatr Scand 1981 Mar;70(2):259–60
Hypocalcemic, hypophosphatemic rickets in rat pups suckling vitamin D-deprived mothers. Boass A, et al.
Endocrinology 1981 Aug;109(2):505–12
[Resolved and unresolved problems in rickets] Sviatkina KA.
Pediatriia 1981 Feb;(2):53–5 **(Rus)**

PREVENTION & CONTROL

Plasma active vitamin D concentration in low birthweight infants with rickets and its response to vitamin D treatment. Seino Y, et al. **Arch Dis Child** 1981 Aug;56(8):628–32
Concentration of 25-hydroxyvitamin D in serum of infants under the intermittent high-dose vitamin D3 prophylactic treatment. Pietrek J, et al.
Arch Immunol Ther Exp (Warsz) 1980;28(5):805–14
Policy for prevention of Asian rickets in Britain: a preliminary assessment of the Glasgow rickets campaign. Dunnigan MG, et al. **Br Med J [Clin Res]** 1981 Jan 31; 282(6261):357–60
[Prevention, occurrence, and diagnosis of rickets in a rural area] Novák J. **Cesk Pediatr** 1980 Dec;35(12):686–8 (Eng. Abstr.) **(Cze)**
[Vitamin D in the prevention of growth disorders] Rezza E. **Acta Vitaminol Enzymol** 1980;2(3–4):87–94 (Eng. Abstr.) **(Ita)**
[Prevention and treatment of rickets with vitamin D] Mogorianu PD, et al. **Pediatriia** 1981 Jan;(1):67 **(Rus)**

RADIOGRAPHY

Radiographic findings resembling scurvy and rickets in prematures on hyperalimentation. Siegle RL, et al.
Mt Sinai J Med (NY) 1981 May-Jun;48(3):241–5
[Microangiographic and pathological study of experimental rickets] Wang YZ.
Chung Hua Fang She Hsueh Tsa Chih 1979;13(1):24–7 **(Chi)**
[Radiological manifestations of uremic osteodystrophy] Meneghello A, et al. **G Clin Med** 1980 Feb;61(2):98–118 (73 ref.) (Eng. Abstr.) **(Ita)**

THERAPY

Physiotherapeutic management for rachitic children with special reference to hypotonia. Atfy AK, et al.
J Egypt Med Assoc 1978;61(7–8):543–52

VETERINARY

Field rickets in turkey poults: biochemical findings. Olson WG, et al. **Avian Dis** 1981 Apr–Jun;25(2):550–4
'Field rickets' in turkey poults: field observations and pathological, radiological, and serological findings. Walser MM, et al. **Avian Dis** 1980 Apr–Jun;24(2):309–16

RICKETS, RENAL see **RENAL OSTEODYSTROPHY**

RICKETS, VITAMIN D RESISTANT

BLOOD

Serum 1,25-dihydroxyvitamin D concentration in hypophosphatemic vitamin D-resistant rickets. Delvin EE, et al. **Calcif Tissue Int** 1981;33(2):173–5
[Physiopathological aspects of the parathyroid hormone and calcitonin in childhood] Tanas R, et al.
Minerva Pediatr 1979 Dec 15;31(23):1669–76 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Vitamins and alopecia [editorial] Goldsmith LA.
Arch Dermatol 1980 Oct;116(10):1134–5
Vitamin D resistant rickets with alopecia: a form of end organ resistance to 1,25 dihydroxy vitamin D. Beer S, et al.
Clin Endocrinol (Oxf) 1981 Apr;14(4):395–402
Craniosynostosis in vitamin D-resistant rickets. A mouse model. Roy WA, et al. **J Neurosurg** 1981 Aug;55(2):265–71

DIAGNOSIS

Vitamin D-resistant rickets? [letter] Rotenstein D.
J Pediatr 1980 Oct;97(4):696–8
[Hypophosphatemic rickets in 3 patients (Albright-Buttler-Bloomberg syndrome)] Gura C, et al.
Wiad Lek 1981 Jan 1;34(1):69–74 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Treatment of hypophosphataemic vitamin D-resistant rickets [letter] Kristiansen JH, et al. **Arch Dis Child** 1981 Jan; 56(1):76–7
An unusual form of vitamin D-dependent rickets in a child: alopecia and marked end-organ hyposensitivity to biologically active vitamin D. Tsuchiya Y, et al.
J Clin Endocrinol Metab 1980 Oct;51(4):685–90
Evaluation of a role for 1,25-dihydroxyvitamin D3 in the pathogenesis and treatment of X-linked hypophosphatemic rickets and osteomalacia. Drezner MK, et al.
J Clin Invest 1980 Nov;66(5):1020–32
Healing of rickets with phosphate supplementation in the hypophosphatemic male mouse. Marie PJ, et al.
J Clin Invest 1981 Mar;67(3):911–4
Vitamin D dependency: replacement therapy with calcitriol? Delvin EE, et al. **J Pediatr** 1981 Jul;99(1):26–34
Rickets: primary hypophosphatemic and vitamin D-dependent varieties [editorial] Harrison HE, et al.
J Pediatr 1981 Jul;99(1):84–5
Long-term treatment of familial hypophosphatemic rickets with oral phosphate and 1 alpha-hydroxyvitamin D3. Rasmussen H, et al. **J Pediatr** 1981 Jul;99(1):16–25
Bone response to phosphate salts, ergocalciferol, and calcitriol in hypophosphatemic vitamin D-resistant rickets. Glorieux FH, et al. **N Engl J Med** 1980 Oct 30; 303(18):1023–31

FAMILIAL & GENETIC

Biochemical lesion in hereditary Vitamin D-dependent rickets. **Nutr Rev** 1980 May;38(5):188–9
[What is your diagnosis?] Haschke F, et al.
Paediatr Paedol 1980;15(3):261–4 **(Ger)**

METABOLISM

Hypophosphatemic vitamin D resistant rickets (phosphate diabetes): bone mineral problems studied by 125I-computed tomography and microradiography. Exner GU, et al.
Helv Paediatr Acta 1980 Mar;35(1):39–49
A cellular defect in hereditary vitamin-D-dependent rickets type II: defective nuclear uptake of 1,25-dihydroxyvitamin D in cultured skin fibroblasts. Eil C, et al.
N Engl J Med 1981 Jun 25;304(26):1588–91

PATHOLOGY

Histomorphometric study of bone remodeling in hypophosphatemic vitamin D-resistant rickets. Marie PJ, et al. **Metab Bone Dis Relat Res** 1981;3(1):31–8
[Pathomorphology and mineral saturation of the bone tissue in congenital vitamin D-resistant rickets] Pavlova MN, et al. **Arkh Patol** 1980;42(7):47–52 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

The lumbar spinal canal in hypophosphataemic vitamin D-resistant rickets. Cartwright DW, et al.
Aust NZ J Med 1981 Apr;11(2):154–7

THERAPY

Primary hypophosphatemic rickets. Effect of oral phosphate and vitamin D on growth and surgical treatment. Evans GA, et al. **J Bone Joint Surg [Am]** 1980 Oct;62(7):1130–8

RICKETTSIA

ANALYSIS

Platelet aggregation and stimulation of leucocyte procoagulant activity by rickettsial lipopolysaccharides in rabbits and in man. Miragliotta G, et al. **Experientia** 1981 Jan 15;37(1):47–9
Fatty acid composition of rickettsiae. Tzianabos T, et al.
J Clin Microbiol 1981 Mar;13(3):603–5

CLASSIFICATION

Serotypes of spotted fever group rickettsiae isolated from Dermacentor andersoni (Stiles) ticks in western Montana. Philip RN, et al. **Am J Trop Med Hyg** 1981 Jan;30(1):230–8
[Characteristics of the 'tache noire' of boutonneuse fever] Scaffidi L, et al. **Minerva Med** 1981 Sep 1;72(31):2079–84 (Eng. Abstr.) **(Ita)**

GROWTH & DEVELOPMENT

Interaction of rickettsiae with haemocytes of Alveonasus lahorensis ticks. Sidorov VE, et al. **Acta Virol (Praha)** 1980 May;24(3):215–7
Differential requirements for enriched atmospheric carbon dioxide content for intracellular growth in cell culture among selected members of the genus Rickettsia. Kopmans-Gargantiel AI, et al. **Infect Immun** 1981 Mar; 31(3):1277–80

IMMUNOLOGY

Prevalence of rickettsial antibody and cell-mediated reaction in cynomolgus monkeys (Macaca fascicularis). Kishimoto RA, et al. **Lab Anim Sci** 1980 Dec;30(6):1016–7
[Rickettsies and pararickettsies. Technique and results of microagglutination. Importance of reactivation (author's transl)] Le Gac P. **Ann Ist Super Sanita** 1979;15(4):745–54 (Eng. Abstr.) **(Ita)**
[Luminescent-serologic analysis of the antigenic interrelationship between R. canada and classic representatives of rickettsiae of the typhus group] Balaeva NM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jan; (1):28–34 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Ecology of tick-borne agents in California. I. Spotted fever group rickettsiae. Lane RS, et al. **Am J Trop Med Hyg** 1981 Jan;30(1):239–52
Natural occurrence of spotted fever group rickettsiae in the dog flea Ctenocephalides canis in Karnataka. Stephen S, et al. **Indian J Med Res** 1980 Jun;71:870–2
Scrub typhus survey of Biak and Owi islands: ectoparasites of small mammals and rickettsial isolations. Hadi TR, et al. **Southeast Asian J Trop Med Public Health** 1980 Jun; 11(2):220–6
[Epidemiological survey in a natural focus of Rickettsia transmitted by Ixodes ricinus in Switzerland (author's transl)] Peter O, et al. **Ann Parasitol Hum Comp** 1981; 56(1):1–8 (Eng. Abstr.) **(Fre)**
[Cowdriosis (Heartwater) by Cowdria ruminantium in ruminants of French Indies (Guadeloupe) and Mascarene Islands (La Reunion and Mauritius)] Perreau P, et al.
Rev Elev Med Vet Pays Trop 1980;33(1):21–2 **(Fre)**

RICKETTSIA PROWAZEKII

In vitro studies of Rickettsia-host cell interactions: ultrastructural study of Rickettsia prowazekii-infected chicken embryo fibroblasts. Silverman DJ, et al.
Infect Immun 1980 Aug;29(2):778–90
Radioiodination of an outer membrane protein in intact Rickettsia prowazekii. Smith DK, et al. **Infect Immun** 1980 Aug;29(2):831–4

ENZYMOLOGY

Phospholipase A activity in the hemolysis of sheep and human erythrocytes by Rickettsia prowazeki. Winkler HH, et al. **Infect Immun** 1980 Aug;29(2):316–21

IMMUNOLOGY

Activity of macrophages from guinea pigs at various periods after infection with Rickettsia prowazeki. Kekcheeva NG,

et al. **Acta Virol (Praha)** 1981 May;25(3):150–4
Partial purification and characterization of the major species-specific protein antigens of Rickettsia typhi and Rickettsia prowazekii identified by rocket immunoelectrophoresis. Dasch GA, et al. **Infect Immun** 1981 Jan;31(1):276–88
Use of a sensitive microplate enzyme-linked immunosorbent assay in a retrospective serological analysis of a laboratory population at risk to infection with typhus group rickettsiae. Halle S, et al. **J Clin Microbiol** 1980 Sep;12(3):343–50
Detection of typhus antibodies by latex agglutination. Hechemy KE, et al. **J Clin Microbiol** 1981 Jan;13(1):214–6

ISOLATION & PURIFICATION

[Rickettsia prowazeki in nature. Experimental verification through the years] Giroud P, et al. **Bull Acad Natl Med (Paris)** 1980 May 6–20;164(5):415–9 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Biological properties of Rickettsia prowazekii on long-term persistence in infected cotton rats. Ignatovich VF. **Acta Virol (Praha)** 1980 Mar;24(2):144–8
Interactions between Rickettsia prowazekii and rabbit polymorphonuclear leukocytes: rickettsiacidal and leukotoxic activities. Walker TS, et al. **Infect Immun** 1981 Jan;31(1):289–96

RICKETTSIA RICKETTSII

Endemicity of spotted fever group rickettsiae in Connecticut. Magnarelli LA, et al. **Am J Trop Med Hyg** 1981 May; 30(3):715–21
The rickettsial plaque. Evidence for direct cytopathic effect of Rickettsia rickettsii. Walker DH, et al. **Lab Invest** 1980 Oct;43(4):388–96

CLASSIFICATION

Serotypes of tick-borne spotted fever group rickettsiae from western California. Philip RN, et al. **Am J Trop Med Hyg** 1981 May;30(3):722–7

IMMUNOLOGY

Serological evidence of infection by spotted fever group rickettsiae in Karnataka State. Stephen S, et al. **Indian J Med Res** 1980 Sep;72:352–4
Detection of Rocky Mountain spotted fever antibodies by a latex agglutination test. Hechemy KE, et al. **J Clin Microbiol** 1980 Aug;12(2):144–50

RICKETTSIA TSUTSUGAMUSHI

CLASSIFICATION

Antigenic classification of Rickettsia tsutsugamushi isolates from small mammals trapped in developing oil palm complex in Peninsular Malaysia. Shirai A, et al. **Jpn J Med Sci Biol** 1980 Aug;33(4):231–4

IMMUNOLOGY

A plaque reduction assay for studying antigenic relationships among strains of Rickettsia tsutsugamushi. Oaks SC Jr, et al. **Am J Trop Med Hyg** 1980 Sep;29(5):998–1006
Antigens of scrub typhus rickettsiae: separation by polyacrylamide gel electrophoresis and identification by enzyme-linked immunosorbent assay. Eisemann CS, et al. **Infect Immun** 1981 May;32(2):525–33
New paper enzyme-linked immunosorbent technique compared with microimmunofluorescence for detection of human serum antibodies to Rickettsia tsutsugamushi. Crum JW, et al. **J Clin Microbiol** 1980 Jun;11(6):584–8
Rickettsia tsutsugamushi antibody in mother/cord pairs of sera. Shirai A, et al. **Jpn J Med Sci Biol** 1981 Feb;34(1):37–9
Scrub Typhus antibody in cynomolgus monkeys (Macaca fascicularis) in Malaysia. Heisey GB, et al. **Lab Anim Sci** 1981 Jun;31(3):289–91
[Shichito fever in Izu Shichito Islands. 4. Incidence of anti-R. tsutsugamushi antibody among inhabitant's sera (author's transl)] Miyairi T, et al. **Kansenshogaku Zasshi** 1980 Jun; 54(6):284–90 (Eng. Abstr.) **(Jpn)**
[Shichito fever in Izu Shichito Islands. 3. Seroepidemiological survey of anti-R. tsutsugamushi antibody among field rodents (author's transl)] Murata M, et al. **Kansenshogaku Zasshi** 1980 Jun;54(6):279–83 (Eng. Abstr.) **(Jpn)**
[Tsutsugamushi disease in the foothills of Mt. Fuji (author's transl)] Murata M, et al. **Kansenshogaku Zasshi** 1980 Jun; 54(6):291–8 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Murine rickettsiosis along the western ghats of Maharashtra State, India. Padbidri VS, et al. **Indian J Med Res** 1980 May;71:721–4
Rickettsia tsutsugamushi strains found in chiggers collected in Thailand. Shirai A, et al. **Southeast Asian J Trop Med Public Health** 1981 Mar; 12(1):1–6

PATHOGENICITY

Localization of electron-dense tracers during entry of Rickettsia tsutsugamushi into polymorphonuclear leukocytes. Rikihisa Y, et al. **Infect Immun** 1980 Oct; 30(1):231–43

RICKETTSIA TYPHI

IMMUNOLOGY

Partial purification and characterization of the major species-specific protein antigens of Rickettsia typhi and Rickettsia prowazekii identified by rocket immunoelectrophoresis. Dasch GA, et al. **Infect Immun** 1981 Jan;31(1):276–88
Use of a sensitive microplate enzyme-linked immunosorbent assay in a retrospective serological analysis of a laboratory population at risk to infection with typhus group rickettsiae. Halle S, et al. **J Clin Microbiol** 1980 Sep;12(3):343–50
Detection of typhus antibodies by latex agglutination. Hechemy KE, et al. **J Clin Microbiol** 1981 Jan;13(1):214–6

RICKETTSIACEAE

ANALYSIS

Lipopolysaccharides from Rickettsiaceae: limulus endotoxin assay and pathogenetic mediators in rickettsiosis [letter] Fumarola D, et al. **Acta Virol (Praha)** 1980 Mar;24(2):155
Fatty acid composition of rickettsiae. Tzianabos T, et al. **J Clin Microbiol** 1981 Mar;13(3):603–5
[Lipopolysaccharides of Rickettsiaceae and the Limulus endotoxin assay] Fumarola D, et al. **G Batteriol Virol Immunol** 1979 Jan–Jun;72(1–6):40–3 (Eng. Abstr.) **(Ita)**

GROWTH & DEVELOPMENT

Cowdria ruminantium (Rickettsiales) in primary goat kidney cell cultures. Jongejan F, et al. **Res Vet Sci** 1980 Nov; 29(3):392–3

ISOLATION & PURIFICATION

[Blattabacterium in the fat body of the Maritime Territory relic roach, Cryptocercus relictus] Gromov BV, et al. **Mikrobiologiia** 1980 Nov–Dec;49(6):1005–7 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

The transmission of canine ehrlichiosis to the Wild Dog Lycaon pictus (Temminck) and Black-backed Jackal Canis mesomelas Schreber. van Heerden J. **J S Afr Vet Assoc** 1979 Dec;50(4):245–8

ULTRASTRUCTURE

The ultrastructure and symbiotic relationships of Wolbachia of mosquitoes of the Aedes scutellaris group. Wright JD, et al. **J Ultrastruct Res** 1980 Jul;72(1):52–64

RICKETTSIACEAE INFECTIONS

COMPLICATIONS

[Early retinal manifestations of Mediterranean boutonneuse fever. Apropos of 2 cases] Rivaud C, et al. **Bull Soc Ophtalmol Fr** 1980 Oct;80(10):961–3 **(Fre)**
[Cardiovascular involvement and complications in Mediterranean boutonneuse fever] Scaffidi A, et al. **Minerva Med** 1981 Sep 1;72(31):2097–108 (Eng. Abstr.) **(Ita)**
[Complications of boutonneuse fever] Scaffidi A, et al. **Minerva Med** 1981 Sep 1;72(31):2053–62 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

[Carducci's fever: clinical and therapeutic study] Cantera NM, et al. **Clin Ter** 1981 May 31;97(4):383–7 **(Ita)**
[Boutonneuse Mediterranean fever (author's transl)] Martínez Cortés F, et al. **An Esp Pediatr** 1981 Mar;14(3):151–5 (Eng. Abstr.) **(Spa)**

ETIOLOGY

Importation into the United States from Africa of Rhipicephalus simus on a boutonneuse fever patient. Anderson JF, et al. **Am J Trop Med Hyg** 1981 Jul; 30(4):897–9

IMMUNOLOGY

Use of a sensitive microplate enzyme-linked immunosorbent assay in a retrospective serological analysis of a laboratory population at risk to infection with typhus group rickettsiae. Halle S, et al. **J Clin Microbiol** 1980 Sep;12(3):343–50
[Macrophage migration inhibition reaction in Marseilles fever] Miskarova ED, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Oct;(10):90–3 (Eng. Abstr.) **(Rus)**
[Role of peritoneal macrophages in immunity in an infection due to the causative agent of Marseilles fever] Shirokova EM. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Sep;(9):91–4 **(Rus)**

OCCURRENCE

[Boutonneuse fever in clinical practice] Scaffidi L, et al. **Minerva Med** 1981 Sep 1;72(31):2071–8 (Eng. Abstr.) **(Ita)**
[Current endemic expansion of boutonneuse fever in Italy] Scaffidi V. **Minerva Med** 1981 Sep 1;72(31):2063–70 (Eng. Abstr.) **(Ita)**

PATHOLOGY

[Characteristics of the rash in Mediterranean boutonneuse fever] Scaffidi L, et al. **Minerva Med** 1981 Sep 1; 72(31):2085–96 (Eng. Abstr.) **(Ita)**

TRANSMISSION

[The dog in R. coroni (Brumpt, 1932) Mediterranean rickettsiosis. Results of a seroimmunological study on 634 samples collected in Hérault, Vaucluse and upper Corsica] Lanotte G, et al. **Ann Parasitol Hum Comp** 1981;56(2):237–9 **(Fre)**
[Characteristics of the 'tache noire' of boutonneuse fever] Scaffidi L, et al. **Minerva Med** 1981 Sep 1;72(31):2079–84 (Eng. Abstr.) **(Ita)**

VETERINARY

Serum complement and blood platelet adhesiveness in acute canine ehrlichiosis. Lovering SL, et al. **Am J Vet Res** 1980 Aug;41(8):1266–71
the effects of tick-borne fever (Ehrlichia phagocytophilia) on the growth rate of fattening cattle. Taylor SM, et al. **Br Vet J** 1980 Jul–Aug;136(4):364–70
Canine ehrlichiosis. Pyle RL. **J Am Vet Med Assoc** 1980 Dec 15;177(12):1197–9
Reproduction and morphogenesis of Rickettsiella chironomi, an unusual intracellular procaryotic parasite of midge larvae. Federici BA. **J Bacteriol** 1980 Aug;143(2):995–1002
The transmission of canine ehrlichiosis to the Wild Dog Lycaon pictus (Temminck) and Black-backed Jackal Canis mesomelas Schreber. van Heerden J. **J S Afr Vet Assoc** 1979 Dec;50(4):245–8
The use of doxycycline in the treatment of canine ehrlichiosis. van Heerden J, et al. **J S Afr Vet Assoc** 1979 Dec; 50(4):241–4
Free-living jackals (Canis mesomelas)-potential reservoir hosts for Ehrlichia canis in Kenya. Price JE, et al. **J Wildl Dis** 1980 Oct;16(4):469–73
Acute experimental canine ehrlichiosis. II. Sequential reaction of the hemic and lymphoreticular system of selectively immunosuppressed dogs. Reardon MJ, et al. **Vet Pathol** 1981 May;18(3):384–95
Acute experimental canine ehrlichiosis. I. Sequential reaction of the hemic and lymphoreticular systems. Reardon MJ, et al. **Vet Pathol** 1981 Jan;18(1):48–61
A comparison of the efficacy of imidocarb dipropionate and tetracycline hydrochloride in the treatment of canine ehrlichiosis. Price JE, et al. **Vet Rec** 1980 Sep 20; 107(12):275–7

RICKETTSIAL INFECTIONS

Rickettsial diseases and Rocky Mountain spotted fever—Part I. Riley HD Jr. **Curr Probl Pediatr** 1981 Mar;11(5):1–46 (0 ref.)
Rickettsial diseases and Rocky Mountain spotted fever—Part II. Riley HD Jr. **Curr Probl Pediatr** 1981 Apr;11(6):1–38 (119 ref.)

COMPLICATIONS

Rickettsial vasculitis. Walker DH, et al. **Am Heart J** 1980 Dec;100(6 Pt 1):896–906

DIAGNOSIS

Buerger's disease: is it a rickettsiosis? Bartolo M, et al. **Angiology** 1980 Oct;31(10):660–5
The impact of rickettsial diseases on military operations. Moe JB, et al. **Milit Med** 1980 Nov;145(11):780–5
ELISA and rickettsiosis [letter] Mansueto S, et al. **Trans R Soc Trop Med Hyg** 1980;74(6):831–2

IMMUNOLOGY

Host defenses in experimental rickettsialpox: resistance of C3H mouse sublines. Anderson GW Jr, et al. **Acta Virol (Praha)** 1980 Jun;24(4):294–6
Role of macrophages in infection with Rickettsia conorii. Kokorin IN, et al. **Acta Virol (Praha)** 1980 Mar; 24(2):137–43
Macrophages in resistance to rickettsial infection: susceptibility to lethal effects of Rickettsia akari infection in mouse strains with defective macrophage function. Meltzer MS, et al. **Cell Immunol** 1980 Sep 1;54(2):487–90

MICROBIOLOGY

First report of an infection with Rickettsia slovaca. Mittermayer T, et al. **Folia Parasitol (Praha)** 1980; 27(4):373–6

OCCURRENCE

Occurrence of rickettsioses in the Lithuanian Soviet Socialist Republic. Tarasevich IV, et al. **Folia Parasitol (Praha)** 1981;

28(2):169–77
[Current status of zoonoses in medicine. 1. Diseases caused by viruses, rickettsia and chlamydia] Weber A. **Med Welt** 1980 Aug 29;31(35):1225–7 **(Ger)**

PREVENTION & CONTROL

Macrophages in resistance to rickettsial infections: characterization of lymphokines that induce rickettsiacidal activity in macrophages. Nacy CA, et al. **J Immunol** 1981 Jan;126(1):204–7

VETERINARY

Tick-borne diseases. Purnell RE. **Br Vet J** 1981 Mar–Apr; 137(2):221–40
[Cowdriosis (Heartwater) by Cowdria ruminantium in ruminants of French Indies (Guadeloupe) and Mascarene Islands (La Reunion and Mauritius)] Perreau P, et al. **Rev Elev Med Vet Pays Trop** 1980;33(1):21–2 **(Fre)**
[Exploration of natural foci of tick-borne rickettsiosis by detecting specific antigen in the droppings of birds] Iablonskaia VA. **Zh Mikrobiol Epidemiol Immunobiol** 1980 May;(5):115–6 **(Rus)**

RICKETTSIALES

GROWTH & DEVELOPMENT

Reproduction and morphogenesis of Rickettsiella chironomi, an unusual intracellular procaryotic parasite of midge larvae. Federici BA. **J Bacteriol** 1980 Aug;143(2):995–1002

ULTRASTRUCTURE

Surface projections of a chlamydia-like parasite of midge larvae. Morel G. **J Bacteriol** 1980 Dec;144(3):1174–5

RIDA see **SCRAPIE**

RIDA VIRUS see **SCRAPIE VIRUS**

RIFAMPICIN see **RIFAMPIN**

RIFAMPIN

[Effects of particle size of rifampicin and addition of magnesium stearate on release of rifampicin from hard gelatin capsules (author's transl)] Nakagawa H, et al. **Yakugaku Zasshi** 1980 Nov;100(11):1111–7 (Eng. Abstr.) **(Jpn)**

ADMINISTRATION & DOSAGE

Short course chemotherapy [letter] Buckingham WB. **Am Rev Respir Dis** 1980 Oct;122(4):657
Rifampin–isoniazid therapy of alcoholic and nonalcoholic tuberculous patients in a U.S. Public Health Service Cooperative Therapy Trial. Cross FS, et al. **Am Rev Respir Dis** 1980 Aug;122(2):349–53
American Thoracic Society. Medical Section of the American Lung Association. Guidelines for short-course tuberculosis chemotherapy. Iseman MD, et al. **Am Rev Respir Dis** 1980 Mar;121(3):611–4
Combined rifampin and dapsone chemotherapy of Mycobacterium leprae infection of the neonatally thymectomized Lewis rat. Fieldsteel AH, et al. **Int J Lepr** 1980 Sep;48(3):267–76
Short course chemotherapy in tuberculous meningitis: a pilot trial. Sunakorn P, et al. **J Med Assoc Thai** 1980 Jun; 63(6):340–5
Limited therapeutic action of rifampicin/isoniazid against Leishmania aethiopica [letter] van der Meulen J, et al. **Lancet** 1981 Jul 25;2(8239):197–8
Effect of single dose (1500 mg) rifampicin on infectivity of patients with lepromatous leprosy. Girdhar BK, et al. **Lepr India** 1980 Jul;52(3):359–65
Staphylococcus aureus infection of dialysis shunt: absence of synergy with vancomycin and rifampin. Tofte RW, et al. **South Med J** 1981 May;74(5):612–5
[Pharmaceutical studies of intramammary formulations prepared with Pharmachem rifampicin] Panchev I, et al. **Vet Med Nauki** 1980;17(3):23–30 (Eng. Abstr.) **(Bul)**
[Treatment of pulmonary tuberculosis of native Black Africans a chemotherapeutic regime including rifampicin (apropos of 75 patients)] Ayad M, et al. **Dakar Med** 1980; 25(1):65–74 (Eng. Abstr.) **(Fre)**
[Short-course chemotherapy for pulmonary tuberculosis. 1. Clinical effect of RFP, INH and EB regimen for 9 months in the original treatment for pulmonary tuberculosis (author's transl)] Oda T. **Kekkaku** 1980 Jul;55(7):331–9 (Eng. Abstr.) **(Jpn)**
[Remote results of short-term treatment of pulmonary tuberculosis with a combination of isoniazid, rifampin and ethambutol] Sosnowski W, et al. **Pneumonol Pol** 1980 Nov; 48(11):663–8 (Eng. Abstr.) **(Pol)**
[Results of treatment of newly detected pulmonary tuberculosis with rifampin combined with isoniazid and ethambutol] Szymański A, et al. **Pneumonol Pol** 1980 Nov; 48(11):669–74 (Eng. Abstr.) **(Pol)**
[Rifampicin and ethambutol treatment experience in chronic destructive pulmonary tuberculosis] Petrova GN, et al. **Probl Tuberk** 1981;(3):73–4 **(Rus)**

ADVERSE EFFECTS

Rifampicin associated renal dysfunction during antituberculous therapy. Need AG, et al. **Aust NZ J Med** 1980 Dec;10(6):657–9
Acute renal failure following reintroduction of rifampicin after a prolonged interval. Davison AG, et al. **Br J Dis Chest** 1981 Jan;75(1):103–4
Rifampicin-induced porphyria cutanea tarda. Millar JW. **Br J Dis Chest** 1980 Oct;74(4):405–8
Rifampicin-associated pseudomembranous colitis. Boriello SP, et al. **Br Med J** 1980 Nov 1;281(6249):1180–1
Myopathy induced by rifampicin. Jenkins P, et al. **Br Med J [Clin Res]** 1981 Jul 11;283(6248):105–6
Hepatotoxicity of rifampicin and isoniazid in children treated for tuberculosis. Linna O, et al. **Eur J Pediatr** 1980 Sep; 134(3):227–9
Rifampicin. **IARC Monogr Eval Carcinog Risk Chem Hum** 1980; 24:243–58 (53 ref.)
Isoniazid–rifampin—induced fulminant liver disease in an infant. Bistritzer T, et al. **J Pediatr** 1980 Sep;97(3):480–2
Pseudomembranous colitis and rifampicin [letter] **Lancet** 1980 Nov 29;2(8205):1192
Rifampicin and antibiotic-associated colitis [letter] O'Connor RP, et al. **Lancet** 1981 Feb 28;1(8218):499
[Report on 13 cases (including 3 deaths) of liver damage induced by rifampicin (author's transl)] Tong YY. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1980;3(1):35–8 **(Chi)**
[Benign drug jaundice during treatment combining rifampicin and triacetyloleandomycin (letter)] Piette F, et al. **Nouv Presse Med** 1979 Jan 27;8(5):368 **(Fre)**
[Complications with rifampicin treatment: one case with anuria (author's transl)] Chevalier JP, et al. **Poumon Coeur** 1980;36(4):287–91 (Eng. Abstr.) **(Fre)**
[Reversible acute hepatic failure after treatment with association of isoniazide–rifampicin (author's transl)] Le Guillou M, et al. **Sem Hop Paris** 1981 Jun 18–25; 57(25–28):1199–201 (Eng. Abstr.) **(Fre)**
[A case of acute hepatitis occurred during treatment with isoniazid and rifampicin (author's transl)] Kameda K, et al. **Kekkaku** 1980 May;55(5):247–51 (Eng. Abstr.) **(Jpn)**
[Presence of antibodies against rifampicin in patients under tuberculostatic treatment] Ion N, et al. **Rev Ig [Pneumoftiziol]** 1981 Jan–Mar;30(1):39–42 (Eng. Abstr.) **(Rum)**
[Immunological aspects of adverse reactions during treatment with rifampicin] Zeană C, et al. **Rev Ig [Pneumoftiziol]** 1981 Jan–Mar;30(1):33–7 (Eng. Abstr.) **(Rum)**
[Adverse reactions to rifampicin treatment of tuberculosis and nonspecific lung diseases] Madeĭ B, et al. **Probl Tuberk** 1980 Nov;(11):27–9 **(Rus)**
[Acute kidney failure as a complication the rifadin treatment of pulmonary tuberculosis] Pak FP, et al. **Probl Tuberk** 1981 May;(5):70–1 **(Rus)**
[Acute renal insufficiency secondary to discontinuous treatment with rifampicin] Otero A, et al. **Rev Clin Esp** 1981 Apr 25;161(1):63–4 **(Spa)**

ANALOGS & DERIVATIVES

[Use of dehydrorifampicin for interferon superinduction] Askarkhodzhaev NA, et al. **Antibiotiki** 1980 Nov; 25(11):857–9 **(Rus)**

ANTAGONISTS & INHIBITORS

Study of the protective effect of an anabolic steroid, 19-nortestosterone phenylpropionate (19-NTPP) on the fatty liver induced by high doses of rifampicin in the rat. Piriou A, et al. **Arch Toxicol [Suppl]** 1980;(4):331–4

METABOLISM

Rifaprim (rifampicin plus trimethoprim): pharmacokinetics and effects on the normal flora of man. Brumfitt W, et al. **Biopharm Drug Dispos** 1981 Apr–Jun;2(2):157–66
Use of liver function tests as predictors of rifampicin metabolism in cirrhosis. McConnell JB, et al. **Q J Med** 1981;50(197):77–82
[Pharmacokinetics of intravenous rifampicin (RMP) and its clinical evaluation in purulent bacterial meningitis] Di Nola F, et al. **Minerva Med** 1981 Apr 7;72(14):875–92 (Eng. Abstr.) **(Ita)**
[Clinical and experimental rifampicin passage through the hemato-encephalic barrier and its effectiveness in treating meningococcal infections] Ivanov KS, et al. **Antibiotiki** 1981 May;26(5):383–8 (Eng. Abstr.) **(Rus)**
[Bioavailability of 2 different rifampicin preparations] Aronne Benach MT, et al. **Rev Clin Esp** 1980 Oct 15;159(1):43–6 (Eng. Abstr.) **(Spa)**

PHARMACODYNAMICS

Effect of rifampicin on the biosynthesis of testosterone in rat testis. Nocke-Finck L, et al. **Acta Endocrinol (Copenh)** 1981 Aug;97(4):573–6
Experimental models to explain the high sterilizing activity of rifampin in the chemotherapy of tuberculosis. Dickinson JM, et al. **Am Rev Respir Dis** 1981 Apr;123(4 Pt 1):367–71
Controlled double-blind study of the effect of rifampin on humoral and cellular immune responses in patients with pulmonary tuberculosis and in tuberculosis contacts. Humber DP, et al. **Am Rev Respir Dis** 1980 Sep; 122(3):425–36
Effect of rifampicin and tetracycline alone and in combination against Brucella suis. De Rycke J. **Ann Microbiol (Paris)** 1980 Nov–Dec;131B(3):277–87
Combined effect of amphotericin B and rifampin on Candida species. Edwards JE Jr, et al. **Antimicrob Agents Chemother** 1980 Mar;17(3):484–7
Combined in vitro effect of amphotericin B and rifampin on Cryptococcus neoformans. Fujita NK, et al. **Antimicrob Agents Chemother** 1981 Jan;19(1):196–8
In vitro effect of rifampin on serum bilirubin determinations. Meisel S, et al. **Antimicrob Agents Chemother** 1980 Jul; 18(1):206–7
Protection of staphylococci ingested by macrophages from the bactericidal action of rifampin. Pesanti EL. **Antimicrob Agents Chemother** 1980 Jul;18(1):208–9
Effect of prednisolone and rifampin on isoniazid metabolism in slow and rapid inactivators of isoniazid. Sarma GR, et al. **Antimicrob Agents Chemother** 1980 Nov;18(5):661–6
Interaction between vancomycin and rifampin against Staphylococcus aureus. Watanakunakorn C, et al. **Antimicrob Agents Chemother** 1981 Jun;19(6):1089–91
Multivariate analysis of the activity of rifamycins against rapidly growing Mycobacteria, to define an in vitro screening model for their activity against mycobacterium leprae. Pattyn SR, et al. **Arzneimittelforsch** 1980; 30(12):2099–103
Kinetic study of the expression of Klebsiella pneumoniae nitrogen fixation (nif) genes under conditions of inhibited transcription. Houmard J, et al. **Biochem Biophys Res Commun** 1981 Jun 16;100(3):1237–44
Inhibition of rifampin of elastase and lysozyme secretion in mouse peritoneal macrophages. Gee JB, et al. **Biochem Pharmacol** 1980 Nov 1;29(21):3039–42
Effect of rifampicin on the mouse hepatic mixed-function oxidase system. Tredger JM, et al. **Biochem Pharmacol** 1981 May 15;30(10):1043–51
Effects of rifampicin on the relationship of R6K replicating forms to the folded chromosomal complex of Escherichia coli. Archibold ER, et al. **Biochim Biophys Acta** 1981 Apr 27;653(2):294–8
Elastase and lysozyme secretion by peritoneal macrophages: effects of dexamethasone and rifampin. Gee JB, et al. **Bull Eur Physiopathol Respir** 1980;16 Suppl:415–21
Prevention of emergence of bacterial resistance: no advantage in combining rifampicin and tetracycline over use of tetracycline alone. Grüneberg RN, et al. **Chemotherapy** 1981;27(3):188–91
Rifampicin and hepatic bile acid elimination [letter] Poupon R. **Dig Dis Sci** 1981 Mar;26(3):284–5
Stimulation of sporulation by ppApp in a conditionally asporogenous rifampin-resistant mutant in Bacillus subtilis. Pun PP, et al. **Experientia** 1981 May 15;37(5):470–2
Rifampicin [letter] Larousse C. **Int J Clin Pharmacol Ther Toxicol** 1980 Sep;18(9):420
Failure to prevent emergence of bacterial resistance by combination of two antibiotics: fusidic acid and rifampicin. Grüneberg RN, et al. **J Antimicrob Chemother** 1980 Jul; 6(4):562–4
Inhibition of deoxyribonucleic acid replication in Bacillus brevis by ribonucleic acid polymerase inhibitors. Bhattacharya S, et al. **J Bacteriol** 1981 Mar;145(3):1442–4
Rifampin resistance mutations that alter the efficiency of transcription termination at the tryptophan operon attenuator. Yanofsky C, et al. **J Bacteriol** 1981 Mar; 145(3):1334–41
RNA polymerase from Clostridium acidi-urici. Characterization of a naturally occurring rifampicin-resistant bacterial enzyme. Murray CL, et al. **J Biol Chem** 1981 May 25;256(10):5153–61
Bacteraemia due to a rifampicin-resistant strain of Bacteroides fragilis. Bullock DW, et al. **J Clin Pathol** 1981 Jan;34(1):87–9
Combination of minocycline and rifampicin against methicillin- and gentamicin-resistant Staphylococcus aureus. Yourassowsky E, et al. **J Clin Pathol** 1981 May; 34(5):559–63
Depression of colony formation by human thymus-derived lymphocytes with rifampin and other antimicrobial agents. Scharre KA, et al. **J Infect Dis** 1981 Jun;143(6):832–5
Synergistic interaction in vitro with use of three antibiotics simultaneously against Pseudomonas maltophilia. Yu VL, et al. **J Infect Dis** 1980 Oct;142(4):602–7
Inhibition of influenza A virus replication by rifampicin and selenocystamine. Hamzehei M, et al. **J Med Virol** 1980; 6(2):169–74
Rifampin and digoxin: possible drug interaction in a dialysis patient [letter] Novi C, et al. **JAMA** 1980 Dec 5; 244(22):2521–2
Drug interactions — the influence of rifampicin and clofazimine on the urinary excretion of DDS. Balakrishnan, et al. **Lepr India** 1981 Jan;53(1):17–22
Changes in neutrophil motility accompanying dapsone and rifampicin therapy. Anderson R, et al. **Lepr Rev** 1981 Mar; 52(1):19–22
Failure of oral contraceptive with rifampicin. Gupta KC, et al. **Med J Zambia** 1980 Dec–1981 Jan;15(1):23
Quinidine–rifampin interaction. Twum-Barima Y, et al. **N Engl J Med** 1981 Jun 11;304(24):1466–9
Metabolism of ethynodiol diacetate in the rhesus monkey before and after administration of rifampicin. Lewis CJ, et al. **Xenobiotica** 1980 Sep;10(9):705–13

[The sensitivity of Mycobacterium tuberculosis to rifampicin and its clinical effectiveness (author's transl)] Chen HL. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1980 Feb;3(2):104–5 **(Chi)**

[A study on the resistance test for rifampicin (author's transl)] Wu AD. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1980 Feb;3(2):101–3 **(Chi)**

[Effects of rifampicin and streptomycin on the concentrations of testosterone and cortisol in the blood of men (author's transl)] Nocke-Finck L, et al. **J Clin Chem Clin Biochem** 1980 Dec;18(12):897–9 (Eng. Abstr.) **(Ger)**

[Effect of ampicillin and rifampicin on biochemical and immunological processes in the organs of immunized animals] Stepanenko SI. **Antibiotiki** 1980 Sep;25(9):664–9 (Eng. Abstr.) **(Rus)**

[Participation of various adenosine and guanosine derivatives in the abortive RNA synthesis initiation reaction: effect of Mg2+, Mn2+, and rifampicin] Shemiakin MF, et al. **Mol Biol (Mosk)** 1980 Nov–Dec;14(6):1392–5 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

Short-course (6 month) cooperative tuberculosis study in Poland: results 18 months after completion of treatment. Zierski M, et al. **Am Rev Respir Dis** 1980 Dec;122(6):879–89

Trimethoprim-rifampin, a new combination agent: efficacy in localized urinary infection and influence on microflora. Bourgault AM, et al. **Antimicrob Agents Chemother** 1981 Apr;19(4):513–8

Failure of rifampin therapy to cure cutaneous leishmaniais [letter] Bygbjerg IC, et al. **Arch Dermatol** 1980 Sep; 116(9):988

Brucellosis treated with rifampicin. Llorens-Terol J, et al. **Arch Dis Child** 1980 Jun;55(6):486–8

Pulmonary actinomycosis. Rapid improvement with isoniazid and rifampin. King JW, et al. **Arch Intern Med** 1981 Aug; 141(9):1234–5

Tonsillitis due to neisseria meningitidis. Its treatment with rifampin. Dudley JP, et al. **Arch Otolaryngol** 1981 Aug; 107(8):518–9

Rifampicin–quinidine interaction. Ahmad D, et al. **Br J Dis Chest** 1979 Oct;73(4):409–11

Treatment of lymphogranuloma venereum with rifampicin [letter] Acocella G. **Br J Vener Dis** 1980 Dec;56(6):414–5

The efficacy of short-course chemotherapy for tuberculosis. Grosset J. **Bull Pan Am Health Organ** 1980;14(2):139–49

Rifampicin in free combination with other antimicrobial drugs in non-Tb infections. Clinical data on 650 patients (a review). Kissling M, et al. **Chemotherapy** 1981; 27(5):368–402 (155 ref.)

Long-term intravenous rifampicin treatment. Advantages and disadvantages. Anker N, et al. **Eur J Respir Dis** 1981; 62(2):84–6

Effect of chemotherapy on suppressor T cells in BCG-infected mice. Collins FM, et al. **Immunology** 1980 Aug;40(4):529–37

Intralitter transmission of haemophilus influenzae type b in infant rats and rifampin eradication of nasopharyngeal colonization. Halsey NA, et al. **J Infect Dis** 1980 Nov; 142(5):739–43

Intraventricular administration of rifampin for tuberculous meningitis. Dajez P, et al. **J Neurol** 1981;225(2):153–6

Rifampin chemoprophylaxis for household contacts of patients with invasive infections due to Haemophilus influenzae type b. Daum RS, et al. **J Pediatr** 1981 Mar; 98(3):485–91

Emergence of rifampin-resistant Haemophilus influenzae after prophylaxis. Murphy TV, et al. **J Pediatr** 1981 Sep; 99(3):406–9

Rifampin prophylaxis for contacts of Haemophilus influenzae type b disease. Cox F, et al. **JAMA** 1981 Mar 13; 245(10):1043–5

Potentiating action of rifampicin and isoniazid against Leishmania mexicana amazonensis. Peters W, et al. **Lancet** 1981 May 23;1(8230):1122–4

Nasopharyngeal carriage of Haemophilus influenzae type b: attempted eradication by cefaclor or rifampin. Yogev R, et al. **Pediatrics** 1981 Mar;67(3):430–3

Evidence that rifampicin can be used safely for non-tuberculous diseases. Acocella G, et al. **Thorax** 1980 Oct;35(10):788–91

Interaction of rifampicin with other drugs. Acocella G, et al. **Tubercle** 1980 Sep;61(3):171–7 (44 ref.)

Long term intravenous rifampicin after massive small bowel resection. Wake PN, et al. **Tubercle** 1980 Jun;61(2):109–11

[Elimination of multidrug resistance in E. coli in calves in vivo with rimactan] Karaivanov L, et al. **Vet Med Nauki** 1980;17(5):73–9 (Eng. Abstr.) **(Bul)**

[In vitro immunologic changes in 4 patients with lepromatous leprosy treated for 1 year with rifampicin and sulfones and left untreated the following year] Saint-André P. **Acta Leprol (Geneve)** 1979 Sep–Dec;(76–77):301–2 **(Fre)**

[Actinobacillus actinomycetemcomitans septicemia (letter)] Lefebvre J, et al. **Nouv Presse Med** 1980 Nov 1;9(41):3099 **(Fre)**

[Severe resistant staphylococcal infections. Treatment with a rifampicine-vancomycin combination (letter)] Preux MC, et al. **Nouv Presse Med** 1980 Oct 25;9(39):2918–9 **(Fre)**

[Legionnaires' disease. After-care with rifampicin of roentenologically persistent pulmonary infiltration] Missalek W, et al. **Med Welt** 1981 Jan 30;32(5):156–7 **(Ger)**

[Use of the rifampin-trimethoprim combination (Rifamprim) in the treatment of chronic upper urinary tract infection] Arosio E, et al. **G Ital Chemioter** 1979 Jan–Dec; 26(1–2):343–8 (Eng. Abstr.) **(Ita)**

[Therapeutic effects of treatment with RFP on previously treated cases of pulmonary tuberculosis (author's transl)] Sakurai H, et al. **Kekkaku** 1980 Nov;55(11):485–91 (Eng. Abstr.) **(Jpn)**

[Effect of rifampicin in combination with acridines on the course of experimental bacterial infections] Lukach IG, et al. **Mikrobiol Zh** 1980 Nov–Dec;42(6):727–31 (Eng. Abstr.) **(Rus)**

[Effect of rifadin on infection and immunity in ornithosis] Abramova LN, et al. **Vopr Virusol** 1980 Jul–Aug;(4):477–9 **(Rus)**

[The activity of transaminases (GOT and GPT), alkaline phosphatase and gamma-glutamyl transferases in the serum of patients treated with Rifampicin (author's transl)] Krstić-Burić M, et al. **Plucne Bolesti Tuberk** 1980 Jul–Sep; 32(3):132–8 (Eng. Abstr.) **(Scr)**

RIFAMYCINS

BIOSYNTHESIS

Thiazorifamycins. III. Biosynthesis of rifamycins P, Q and verde, novel metabolites from a mutant of Nocardia mediterranea. Cricchio R, et al. **J Antibiot (Tokyo)** 1980 Aug;33(8):842–6

A genetic approach to the biosynthesis of the rifamycin-chromophore in Nocardia mediterranei. IV. Identification of 3-amino-5-hydroxybenzoic acid as a direct precursor of the seven-carbon amino starter-unit. Ghisalba O, et al. **J Antibiot (Tokyo)** 1981 Jan;34(1):64–71

BLOOD

[Influence of allopurinol on the half-life of tolbutamide and rifamycin-SV in blood of healthy volunteers] Gentile S, et al. **Boll Soc Ital Biol Sper** 1979 Feb 28;55(4):345–8 (Eng. Abstr.) **(Ita)**

CHEMICAL SYNTHESIS

[New derivatives of rifamycin SV. Esters, hydrazide amides of 3-carboxyrifamycin SV] Marchi E, et al. **G Ital Chemioter** 1979 Jan–Dec;26(1–2):207–12 **(Ita)**

METABOLISM

Effect of reduced glutathione (GSH) on pharmacokinetics and distribution of rifamycin SV in rats. Leszczyńska A. **Biochem Pharmacol** 1981 Jan 1;30(1):71–6

Isolation of a second rifamycin-binding from Escherichia coli by affinity chromatography. Seydel F, et al. **Eur J Biochem** 1981 Jun;117(1):87–91

PHARMACODYNAMICS

Comparison of antibacterial and antiimmune effects of certain rifamycins. Kasik JE, et al. **Antimicrob Agents Chemother** 1981 Jan;19(1):134–8

Diffusion-enhanced energy transfer shows accessibility of ribonucleic acid polymerase inhibitor binding sites. Meares CF, et al. **Biochemistry** 1981 Feb 3;20(3):610–7

A study of interaction of a low-dose combination oral contraceptive with anti-tubercular drugs. Joshi JV, et al. **Contraception** 1980 Jun;21(6):617–29

Biological activity of a new class of rifamycins. Spiro-piperidyl-rifamycins. Sanfilippo A, et al. **J Antibiot (Tokyo)** 1980 Oct;33(10):1193–8

Influence of rifamycin SV on bile acid metabolism in rats. Okolicsanyi L, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Aug; 313(2):171–4

[Effect of rifamycin SV on the metabolism of bile salts in the rat] Okolicsanyi L, et al. **G Ital Chemioter** 1979 Jan–Dec;26(1–2):237–40 **(Ita)**

THERAPEUTIC USE

[Attempt at eliminating the multiple drug resistance of E. coli in pigs with enteritis using Rimactin] Karaivanov L, et al. **Vet Med Nauki** 1980;17(6–7):31–7 (Eng. Abstr.) **(Bul)**

[Effect of rifamycin SV on neutrophil functions in patients with rheumatoid arthritis] Spisani S, et al. **Boll Soc Ital Biol Sper** 1981 Feb 28;57(4):387–93 (Eng. Abstr.) **(Ita)**

RIFOMYCINS see **RIFAMYCINS**

RIFT VALLEY FEVER

Ocular disease resulting from infection with Rift Valley fever virus. Siam AL, et al. **Trans R Soc Trop Med Hyg** 1980; 74(4):539–41

COMPLICATIONS

Rift Valley fever ocular manifestations: observations during the 1977 epidemic in Egypt. Siam AL, et al. **Br J Ophthalmol** 1980 May;64(5):366–74

Rift Valley fever as a possible cause of human abortions [letter] Abdel-Aziz AA, et al. **Trans R Soc Trop Med Hyg** 1980;74(5):685–6

[Retinal abnormalities caused by Rift Valley fever virus] Klomp HJ, et al. **Ned Tijdschr Geneeskd** 1980 Dec 13; 124(50):2122–5 (Eng. Abstr.) **(Dut)**

DIAGNOSIS

Rift Valley fever retinitis. Deutman AF, et al. **Am J Ophthalmol** 1981 Jul;92(1):38–42

IMMUNOLOGY

Rift valley fever in abattoir workers. Chambers PG, et al. **Cent Afr J Med** 1980 Jun;26(6):122–6

The extended horizons of Rift Valley fever: current and projected immunogens. Eddy GA, et al. **Prog Clin Biol Res** 1980;47:179–91

Antibodies to Rift Valley fever virus in the human population of Sudan [letter] Saleh AS, et al. **Trans R Soc Trop Med Hyg** 1981;75(1):129–30

OCCURRENCE

Rift Valley fever virus infection in man in Nigeria. Tomori O. **J Med Virol** 1980;5(4):343–50

Rift Valley fever in humans in South Africa. McIntosh BM, et al. **S Afr Med J** 1980 Nov 15;58(20):803–6

An outbreak of Rift Valley fever in the Sudan--1976 [letter] Eisa M, et al. **Trans R Soc Trop Med Hyg** 1980;74(3):417–9

[Rift Valley fever] Mérieux C, et al. **Bull Acad Natl Med (Paris)** 1980 May 6–20;164(5):458–62 (Eng. Abstr.) **(Fre)**

[Rift valley fever. A threat for Middle Europe?] Mussgay M. **Dtsch Med Wochenschr** 1980 Sep 12;105(37):1265–6 **(Ger)**

PREVENTION & CONTROL

Evaluation of a formalin-inactivated Rift Valley fever vaccine in sheep. Harrington DG, et al. **Am J Vet Res** 1980 Oct;41(10):1559–64

TRANSMISSION

Experimental transmission and field isolation studies implicating Culex pipiens as a vector of Rift Valley fever virus in Egypt. Meegan JM, et al. **Am J Trop Med Hyg** 1980 Nov;29(6):1405–10

Possible vectors of Rift Valley fever in Kenya. Davies FG, et al. **Trans R Soc Trop Med Hyg** 1980;74(6):815–6

VETERINARY

[An ominous zoonosis: Rift Valley fever] Provost A. **Rev Elev Med Vet Pays Trop** 1980;33(1):11–4 **(Fre)**

RIFT VALLEY FEVER VIRUS see under **BUNYAVIRIDAE**

RIGHT TO TREATMENT see **PATIENT ADVOCACY**

RIGOR MORTIS

Experimental evaluation of rigor mortis. V. Effect of various temperatures on the evolution of rigor mortis. Krompecher T. **Forensic Sci Int** 1981 Jan–Feb;17(1):19–26

PATHOLOGY

Changes in the contractile state, fine structure and metabolism of cardiac muscle cells during the development of rigor mortis. Vanderwee MA, et al. **Virchows Arch [Cell Pathol]** 1981;35(2):159–67

PHYSIOPATHOLOGY

Hypothalamic-pituitary function in the 'brain-dead' patient [letter] Hall GM, et al. **Lancet** 1980 Dec 6;2(8206):1259

RILEY-DAY SYNDROME see **DYSAUTONOMIA, FAMILIAL**

RILEY VIRUS see **LACTATE DEHYDROGENASE VIRUS**

RIMANTADINE see under **ADAMANTANE**

RIMITEROL see under **CATECHOLS**

RINDERPEST

DIAGNOSIS

Rapid detection of rinderpest virus antigens by counter-immunoelectrophoresis. Rossiter PB, et al. **Trop Anim Health Prod** 1980 Nov;12(4):209–16

Microelisa test for detecting antibodies to rinderpest virus antigens. Rossitter PB, et al. **Trop Anim Health Prod** 1981 May;13(2):113–6

OCCURRENCE

Rinderpest in Nigeria. Taylor WP, et al. **Vet Rec** 1981 Feb 7;108(6):127

RINDERPEST VIRUS

Establishment of a persistently infected cell line with

Rinderpest virus. Kobune F, et al. **Arch Virol** 1981; 68(3-4):271-7

GROWTH & DEVELOPMENT

Production of interferon by rinderpest virus in calf kidney cell cultures [letter] Bansal RP, et al. **Acta Virol (Praha)** 1981 Jan;25(1):61

Studies on viral interference induced by rinderpest virus: interference and interferon induction by tissue culture rinderpest vaccine (TCRV) virus in vitro. Hussain SF, et al. **Zentralbl Veterinaermed [B]** 1980;27(3):181-9

Studies on viral interference induced by rinderpest virus: inactivation of tissue culture rinderpest vaccine virus by heat treatment at 56 degrees C and by ultraviolet irradiation. Hussain SF, et al. **Zentralbl Veterinaermed [B]** 1980;27(3):233-42

IMMUNOLOGY

The effect of Trypanosoma congolense and T vivax infections on the antibody response of cattle to live rinderpest virus vaccine. Rurangirwa FR, et al. **Res Vet Sci** 1980 Mar;28(2):264-6

Rapid detection of rinderpest virus antigens by counter-immunoelectrophoresis. Rossiter PB, et al. **Trop Anim Health Prod** 1980 Nov;12(4):209-16

Microelisa test for detecting antibodies to rinderpest virus antigens. Rossitter PB, et al. **Trop Anim Health Prod** 1981 May;13(2):113-6

Antigenic differences in the hemagglutinin of measles and related viruses. Trudgett A, et al. **Virology** 1981 Feb; 109(1):180-2

PATHOGENICITY

Comparative aspects of pathogenicity of measles, canine distemper, and rinderpest viruses. Yamanouchi K. **Jpn J Med Sci Biol** 1980 Apr;33(2):41-66 (115 ref.)

RINGWORM see **TINEA**

RIOTS

'Casualty overload' from the Southall riots. Shenouda NA, et al. **Br Med J** 1980 Oct 11;281(6246):975-6

The riots in my practice--Toxteth. Bradley PA. **Br Med J [Clin Res]** 1981 Aug 29;283(6291):588

RISK see under **PROBABILITY**

RISK MANAGEMENT see under **FINANCIAL MANAGEMENT**

RISK-TAKING

Risk taking through the adult life span. Okun MA, et al. **Exp Aging Res** 1980 Oct;6(5):463-73

The reality and acceptance of risk. Dinman BD. **JAMA** 1980 Sep 12;244(11):1226-8

Impulsiveness and venturesomeness in a detention center population. Eysenck SB, et al. **Psychol Rep** 1980 Dec;47(3 Pt 2):1299-306

Advisement to take risk: the elderly's view. Hutchison SL Jr, et al. **Psychol Rep** 1980 Oct;47(2):426

RISTOCETIN

Changes of fibrinolysis and factor VIII coagulant, antigen, and ristocetin cofactor in diabetes mellitus and atherosclerosis. Bern MM, et al. **Thromb Res** 1980 Sep 15; 19(6):831-9

A simple technique for purification of fibrinogen from plasma by affinity chromatography on ristocetin-agarose. Suzuki K, et al. **Thromb Res** 1980 Jun 1;18(5):707-15

ANTAGONISTS & INHIBITORS

[Monoclonal antibodies against the factor VIII/Willebrand factor molecule: inhibition of the cofactor action of ristocetin and the antihemophilic factor] Sola B, et al. **C R Seances Acad Sci [III]** 1981 May 18;292(18):1055-7 (Eng. Abstr.) **(Fre)**

BLOOD

Ristocetin-Willebrand factor activity in dog plasma. Johnstone IB, et al. **Can J Physiol Pharmacol** 1980 Sep; 58(9):1128-34

DIAGNOSTIC USE

A comparison of the quantitative ristocetin von Willebrand factor assay by using fresh and fixed platelets. Kelton JG, et al. **Thromb Res** 1980 May 1-15;18(3-4):477-83

IMMUNOLOGY

Report of the Working Party on Factor VIII Related Antigens. Addendum: the relationship between ristocetin co-factor activity (VIIIR:Cof) and Factor VIII related antigen (VIIIR:Ag). Nilsson IM, et al. **Thromb Haemost** 1980 Jun 18;43(2):167-8

PHARMACODYNAMICS

Characterization of a new mode of defective ristocetin-induced platelet aggregation. Baugh RF, et al. **J Lab Clin Med** 1981 Jun;97(6):864-80

Effects of alpha 1-acid glycoprotein on ristocetin, thrombin and Polybrene induced platelet aggregation. Coller BS. **Thromb Res** 1980 May 1-15;18(3-4):579-84

The bleeding diathesis in human glycogen storage disease type I: in vitro identification of a naturally occurring inhibitor of ristocetin-induced platelet aggregation. Kao KJ, et al. **Thromb Res** 1980 Jun 1;18(5):683-92

Ristocetin-induced aggregation of canine platelets. Leis LA, et al. **Thromb Res** 1980 Aug 1;19(3):309-16

Parallel inhibition of ristocetin and polycation-induced platelet agglutination. Rosborough TK. **Thromb Res** 1980 Aug 1;19(3):417-22

Vancomycin as well as ristocetin facilitates von Willebrand factor binding to platelets. Suzuki K, et al. **Thromb Res** 1980 Jul 1-15;19(1-2):287-92

Studies on the pathophysiology and treatment of von Willebrand's disease. IV. Mechanism of increased ristocetin-induced platelet aggregation in von Willebrand's disease. Takahashi H. **Thromb Res** 1980 Sep 15;19(6):857-67

[von Willebrand's disease with an increased ristocetin-induced platelet aggregation and a qualitative abnormality of the factor VIII protein (author's transl)] Takahashi H, et al. **Rinsho Ketsueki** 1980 Apr;21(4):544-54 (Eng. Abstr.) **(Jpn)**

RISTOMYCIN

ADMINISTRATION & DOSAGE

[Phenomenon of intestinal microfloral increase after stopping the use of poorly adsorbed antibiotics] Khanykov AV, et al. **Antibiotiki** 1980 Nov;25(11):847-50 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

[Action of novobiocin on the capacity of Nocardia fructiferi var. ristomycini for ristomycin biosynthesis] Toropova EG, et al. **Antibiotiki** 1980 Nov;25(11):815-7 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

[Von Willebrand's disease, with special reference to laboratory diagnosis (the ristomycin test)] Boda Z, et al. **Orv Hetil** 1980 Oct 19;121(42):2563-7 **(Hun)**

RITODRINE see under **PROPANOLAMINES**

RITTER'S DISEASE see **DERMATITIS EXFOLIATIVA**

RNA

see related
NISSL BODIES
NUCLEIC ACID DENATURATION
NUCLEIC ACID HYBRIDIZATION
REPETITIVE SEQUENCES, NUCLEIC ACID
RIBOSOMES

A hybridization method for autoradiographic visualization of small unique sequence fragments resolved on polyacrylamide gels. Williamson P. **Anal Biochem** 1980 Dec;109(2):309-16

NMR studies on RNA structure and dynamics. Reid BR. **Annu Rev Biochem** 1981;50:969-96 (114 ref.)

Sequence complexity of nuclear and cytoplasmic ribonucleic acids from clonal neurotumor cell lines and brain sections of the rat. Beckmann SL, et al. **Biochemistry** 1981 Apr 28;20(9):2684-92

Unusual structures in single-stranded ribonucleic acid: proton nuclear magnetic resonance of AUCCA in deuterium oxide. Stone MP, et al. **Biochemistry** 1981 Jun 9;20(12):3604-10

Advanced nuclear magnetic resonance lanthanide probe analyses of short-range conformational interrelations controlling ribonucleic acid structures. Yokoyama S, et al. **Biochemistry** 1981 May;20(10):2981-8

Hybridization studies of poly A-RNA from 5'-bromodeoxyuridine treated neuroblastoma cells. Dierich A, et al. **Biochimie** 1980;62(7):473-9

A reinterpretation of the infrared linear dichroism of oriented nucleic acid films and a calculation of some effective partial changes on the ribose phosphate backbone. Beetz CP Jr, et al. **Biophys J** 1979 Oct;28(1):15-26

Correlation between splicing sites within an intron and their sequence complementarity with U1 RNA. Avvedimento VE, et al. **Cell** 1980 Oct;21(3):689-96

The intervening sequence of the ribosomal RNA precursor is converted to a circular RNA in isolated nuclei of Tetrahymena. Grabowski PJ, et al. **Cell** 1981 Feb; 23(2):467-76

An abundant cytoplasmic 7S RNA is complementary to the dominant interspersed middle repetitive DNA sequence family in the human genome. Weiner AM. **Cell** 1980 Nov; 22(1 Pt 1):209-18

Reactions of beta-propiolactone, beta-butyrolactone and gamma-butyrolactone with nucleic acids. Hemminki K. **Chem Biol Interact** 1981 Mar 15;34(3):323-31

Modification of cytosine moieties of nucleic acid with hydrogen sulfide (nucleosides an nucleotides. XXXIV). Miura K, et al. **Chem Pharm Bull (Tokyo)** 1980 Nov; 28(11):3415-8

Double-stranded structures in the poly(A)-containing cytoplasmic RNA. Effect of cortisone. Konstantinova IM, et al. **FEBS Lett** 1980 Aug 11;117(1):73-8

Primed synthesis methods of sequencing DNA and RNA. Godson GN. **Fed Proc** 1980 Aug;39(10):2822-9

Recent developments in methods for RNA sequencing using in vitro 32P-labeling. Rajbhandary UL. **Fed Proc** 1980 Aug;39(10):2815-21

Fluorescence spectroscopic investigations of the dynamic properties of proteins, membranes and nucleic acids. Lakowicz JR. **J Biochem Biophys Methods** 1980 Jan-Feb; 2(1):91-119 (97 ref.)

The primary nucleotide sequence of U4 RNA. Reddy R, et al. **J Biol Chem** 1981 Apr 10;256(7):3532-8

Subnuclear particles containing a small nuclear RNA and heterogeneous nuclear RNA. Zieve G, et al. **J Mol Biol** 1981 Jan 25;145(3):501-23

Kinetoplast DNA and RNA of Trypanosoma brucei. Simpson AM, et al. **Mol Biochem Parasitol** 1980 Dec; 2(2):93-108

The sequence of a possible 5S RNA-equivalent in hamster mitochondria. Baer RJ, et al. **Nucleic Acids Res** 1980 Aug 25;8(16):3603-10

Nucleotide sequences of nuclear U1A RNAs from chicken, rat and man. Branlant C, et al. **Nucleic Acids Res** 1980 Sep 25;8(18):4143-54

The isolation of cloned cDNA sequences which are differentially expressed in human lymphocytes and fibroblasts. Crampton J, et al. **Nucleic Acids Res** 1980 Dec 20;8(24):6007-17

Different base per unit length ratios exist in single-stranded RNA and single-stranded DNA. Glass J, et al. **Nucleic Acids Res** 1980 Dec 11;8(23):5739-51

Polypurine DNAs and RNAs form secondary structures which may be tetra-stranded. Lee JS, et al. **Nucleic Acids Res** 1980 Sep 25;8(18):4305-20

A unique secondary folding pattern for 5S RNA corresponds to the lowest energy homologous secondary structure in 17 different prokaryotes. Studnicka GM, et al. **Nucleic Acids Res** 1981 Apr 24;9(8):1885-904

Optimal computer folding of large RNA sequences using thermodynamics and auxiliary information. Zuker M, et al. **Nucleic Acids Res** 1981 Jan 10;9(1):133-48

Site-specific cleavage by T1 RNase of U-1 RNA in u-1 ribonucleoprotein particles. Epstein P, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1562-6

Direct observation of the torsional dynamics of DNA and RNA by picosecond spectroscopy. Millar DP, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):5593-7

Fast algorithm for predicting the secondary structure of single-stranded RNA. Nussinov R, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6903-13

Chemical probes for higher-order structure in RNA. Peattie DA, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4679-82

Nucleic acids-protein interactions: structural studies by x-ray diffraction and model building. Kim SH. **Prog Clin Biol Res** 1980;40:311-7

Absence of correlation between base-pair sequence and RNA conformation. Holbrook SR, et al. **Science** 1981 Jun 12; 212(4500):1275-7

[Description of the process of DNA (RNA) condensation in saline solutions containing polyethylene glycol] Evdokimov IuM, et al. **Biofizika** 1981 Mar-Apr;26(2):222-7 (Eng. Abstr.) **(Rus)**

[Analysis of parameters for the equation of isotherms of chemical modification for the alkylation of nucleic acids in complexes with chloroethylmethylaminobenzylidene oligonucleotides] Grineva NI, et al. **Mol Biol (Mosk)** 1980 Nov-Dec;14(6):1301-7 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Suppression of melanoma development and regression of melanoma in xiphophorine fish after treatment with immune RNA. Wurm F, et al. **Cancer Res** 1981 Sep;41(9 Pt 1):3377-83

ANALYSIS

Regional differences in effects of hypoxia and hypokinesia upon neuronal and neuroglial RNA content in rat spinal cord. Pevzner L. **Acta Histochem (Jena)** 1981;68(1):43-7

Nucleic acids quantitation in polyacrylamide disc gels with a modified double beam spectrophotometer. Azcurra JM, et al. **Acta Physiol Lat Am** 1978;28(4-5):163-9

Characterization of subcellular poly(A) RNA populations by poly(U) sepharose chromatography and discontinuous elution. Bynum JW, et al. **Anal Biochem** 1980 Sep 15; 107(2):406-16

Acridine orange-nucleic acid fluorescence. Its use in routine diagnostic muscle biopsies. Perl DP, et al. **Arch Neurol** 1980 Oct;37(10):641-4

Veal heart ribonuclease P has an essential RNA component. Akaboshi E, et al. **Biochem Biophys Res Commun** 1980 Sep 30;96(2):831-7

On the nature of nuclear envelope-associated RNA. Clawson GA, et al. **Biochem Biophys Res Commun** 1980 Sep 30; 96(2):812-6

Nucleotide sequence of nuclear 5.7S RNA of mouse cells. Kato N, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1477-85

Detection, sizing, and quantitation of polyadenylated ribonucleic acid in the nanogram-picogram range. Tracy

S, et al. **Biochemistry** 1980 Aug 5;19(16):3792–9

Poly(A)- and oligo(A)-adjacent sequences in RNA from the large hnRNP complexes of rat liver. Alonso A, et al. **Biochim Biophys Acta** 1981 Jan 29;652(1):72–81

Thermal perturbation differential spectra of ribonucleic acids. III. Chain length effect. Frechet D, et al. **Biochim Biophys Acta** 1980 Aug 26;609(1):1–13

The status of small nuclear RNA in the ribonucleoprotein fibrils containing heterogeneous nuclear RNA. Gallinaro H, et al. **Biochim Biophys Acta** 1981 Jan 29;652(1):109–20

Comparison of RNase T1 fingerprints of U1, U2, and U3 small nuclear RNA's of HeLa cells, human normal fibroblasts, and Novikoff hepatoma cells. Nohga K, et al. **Cancer Res** 1981 Jun;41(6):2215–20

The DNA, RNA and trypsin content in trypsins used in monolayer animal cell culture studies. Kasche V, et al. **Cell Biol Int Rep** 1981 Jan;5(1):1

RNA sequence complexity in central nervous system development and plasticity. Grouse LD, et al. **Curr Top Dev Biol** 1980;16:381–97 (51 ref.)

Complexity of nuclear and polysomal RNAs in growing Dictyostelium discoideum cells. Blumberg DD, et al. **Dev Biol** 1980 Aug;78(2):268–84

Limited complexity of the RNA in micromeres of sixteen-cell sea urchin embryos. Ernst SG, et al. **Dev Biol** 1980 Sep; 79(1):119–27

Biochemical parameters of the placenta: an epidemiological review. Pereira M, et al. **Early Hum Dev** 1981 Jul; 5(3):317–50 (42 ref.)

Differential distribution of poly(A)-containing RNA sequences between the nucleus and post-nuclear supernatant of the lactating guinea-pig mammary gland. Bathurst IC, et al. **Eur J Biochem** 1980 Aug;109(1):183–91

Characterization of 20-S and 40-S non-polysomal cytoplasmic messenger ribonucleoprotein particles from rat liver. Northemann W, et al. **Eur J Biochem** 1980 Dec; 112(3):451–9

RNA content and volume of nerve cell bodies in human brain. II. Subiculum in aging normal patients. Uemura E, et al. **Exp Neurol** 1979 Jul;65(1):107–17

Complexity of RNA in eggs of Drosophila melanogaster and Musca domestica. Hough-Evans BR, et al. **Genetics** 1980 May;95(1):81–94

Fluorometric determination of DNA and RNA in Chlamydomonas using ethidium bromide. Valle O, et al. **J Biochem Biophys Methods** 1981 Jun;4(5–6):271–7

Characterization of the association of two small molecular weight RNAs with eukaryotic polysomes. Gunning PW, et al. **J Biol Chem** 1981 Jul 10;256(13):6670–5

Characterization and subcellular localization of 7-8 S RNAs of Novikoff hepatoma. Reddy R, et al. **J Biol Chem** 1981 Aug 25;256(16):8452–7

Fractionation of 32P-labeled animal RNA on Sephadex-Sepharose columns. Kubinski H. **J Chromatogr** 1980 Sep 19;197(2):236–9

Immunohistochemical studies of cyclic guanosine monophosphate and nuclear function. Rosenberg EM, et al. **J Clin Invest** 1980 Oct;66(4):832–42

Cytochemical hybridization with fluorochrome-labeled RNA. II. Applications. Bauman JG, et al. **J Histochem Cytochem** 1981 Feb;29(2):238–46

Cytochemical hybridization with fluorochrome-labeled RNA. I. Development of a method using nucleic acids bound to agarose beads as a model. Bauman JG, et al. **J Histochem Cytochem** 1981 Feb;29(2):227–37

Glycol methacrylate in light microscopy: nucleic acid cytochemistry. Cole MB Jr, et al. **J Microsc** 1981 Jul; 123(Pt.1):75–88

RNA content and volume of motor neurons in amyotrophic lateral sclerosis. II. The lumbar intumescence and nucleus dorsalis. Davidson TJ, et al. **J Neuropathol Exp Neurol** 1981 Mar;40(2):187–92

Base composition of RNA obtained from motor neurons in amyotrophic lateral sclerosis. Davidson TJ, et al. **J Neuropathol Exp Neurol** 1981 Mar;40(2):193–8

RNA content and volume of motor neurons in amyotrophic lateral sclerosis. I. The cervical swelling. Davidson TJ, et al. **J Neuropathol Exp Neurol** 1981 Jan;40(1):32–6

Determination of the nuclear RNA content of cells from donors of three different ages during in vitro senescence. Bemiller PM, et al. **Mech Ageing Dev** 1981 Apr; 15(4):349–54

In vitro iodination of nucleic acids. Commerford SL. **Methods Enzymol** 1980;70(A):247–52

Ribosomal and translatable messenger RNA of Eimeria tenella. Pasternak J, et al. **Mol Biochem Parasitol** 1981 Jul; 3(3):133–42

Particles containing small molecular weight nuclear RNAs (snRNPs). Structure and possible functions. Liautard JP, et al. **Mol Biol Rep** 1981 May 22;7(1-3):41–5 (29 ref.)

Brain nucleic acids and protein in various neurological mutant mice. Wintzerith M, et al. **Neurochem Res** 1980 Aug;5(8):855–67

Concentrations of individual RNA sequences in polyadenylated nuclear and cytoplasmic RNA populations of Drosophila cells. Biessmann H. **Nucleic Acids Res** 1980 Dec 20;8(24):6099–111

The conformation of chicken, rat and human U1A RNAs in solution. Branlant C, et al. **Nucleic Acids Res** 1981 Feb 25;9(4):841–58

Control of RNA content of developing human placenta. Kusamran T, et al. **Placenta** 1980 Apr-Jun;1(2):157–67

[Studies on isoenzymes and RNA of Oncomelania snails (author's transl)] Kuo YH, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1980 Sep; 2(3):206–8 (Eng. Abstr.) (Chi)

[Changes in the concentrations of total RNA and DNA in the cerebral cortex and internal organs (liver and heart) after prolonged hypovolemic hypotension and in the post-resuscitation period] Kozhura VL. **Biull Eksp Biol Med** 1981 Feb;91(2):144–6 (Eng. Abstr.) (Rus)

[Certain indices of brain metabolism in gastric dystrophy] Migas EA, et al. **Biull Eksp Biol Med** 1980 Sep;90(9):316–7 (Eng. Abstr.) (Rus)

[Changes in the RNA electrophoretic spectrum of the cells after Rauscher virus infection. The kinetics of leukemic and normal RNA hybridization with Rauscher virus cDNA] Smirnova IA. **Dokl Akad Nauk SSSR** 1981; 256(4):1022–4 (Rus)

[Preparation of low-percent polyacrylamide gels for the radioisotopic analysis of nucleic acids] Grama DP. **Mikrobiol Zh** 1980 Nov-Dec;42(6):783–5 (Rus)

[Expressing the quantity of RNA in terms of ploidy units (letter)] Pereverzev BL. **Tsitologiia** 1980 Nov;22(11):1374–5 (Rus)

ANTAGONISTS & INHIBITORS

Halogenation of tubercidin by N-halosuccinimides. A direct route to 5-bromotubercidin, a reversible inhibitor of RNA synthesis in eukaryotic cells. Bergstrom DE, et al. **Nucleic Acids Res** 1980 Dec 20;8(24):6213–9

BIOSYNTHESIS

Effect of unilateral nephrectomy on the RNA synthesis in hypertrophic rat kidney. Rahden-Starón I, et al. **Acta Biochim Pol** 1980;27(3–4):191–201

Inhibitory effect of intraventricularly applied D-galactosamine on incorporation of labelled precursors into RNA and protein of rat hippocampus. Popov N, et al. **Acta Biol Med Ger** 1980;39(1):5–12

Receptor mediated gonadotropin action in the ovary. Modulation of progesterone response in isolated rat ovarian cells by gonadotrophin, cholera enterotoxin and cyclic nucleotides: requirement for RNA and protein synthesis. Azhar S, et al. **Acta Endocrinol (Copenh)** 1980 Dec; 95(4):528–39

The effect of steroids on the synthesis of RNA by isolated T and B lymphocytes of normal donors and patients with chronic lymphocytic leukemia. Amaral L, et al. **Am J Clin Pathol** 1981 Mar;75(3):382–7

Effect of rabbit spermatozoa on the incorporation of labeled precursors into endometrial macromolecules. Hicks JJ, et al. **Arch Androl** 1980 Dec;5(4):349–54

Stimulation of protein and RNA synthesis by methylmercury chloride in the liver of intact and adrenalectomized rats. Omata S, et al. **Arch Toxicol** 1981 Apr;47(2):113–23

Macromolecular synthesis in L-A9 cells infected with Marituba virus. Rebelo MA, et al. **Arch Virol** 1981; 68(3–4):327–32

Studies on inhibition of nucleic acid biosynthesis by isoniazid and its possible prevention. Maru GB, et al. **Arzneimittelforsch** 1980;30(7):1115–9

Inhibition of stable RNA synthesis and production of a novel RNA in heat-stressed plants. Dawson WO, et al. **Biochem Biophys Res Commun** 1981 May 15;100(1):23–30

Effect of 5,6-dichloro-1-beta-D-ribofuranosylbenzimidazole on the synthesis of low molecular weight, RNA components. Hellung-Larsen P, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1303–10

Phosphorylation of myocardial nuclei enhances their susceptibility to deoxyribonuclease I. Limas CJ. **Biochem Biophys Res Commun** 1981 Jun 16;100(3):1347–52

Chromatin function in developing brain: acetylation of chromosomal proteins and RNA synthesis. Supakar PC, et al. **Biochem Biophys Res Commun** 1981 May 15; 100(1):73–8

Changes in the synthesis of ribosomal ribonucleic acid and of poly(A)-containing ribonucleic acid during the differentiation of intestinal epithelial cells in the rat and in the chick. Morrison A, et al. **Biochem J** 1980 Jun 15; 188(3):609–18

Inhibition of poly(A)+- and poly(A)- -ribonucleic acid synthesis by a nonlethal dose of allatoxin B1 in vivo. Ch'ih JJ, et al. **Biochem Pharmacol** 1980 Aug 15;29(16):2247–9

Analysis of RNA synthesized in vitro by macronuclei isolated from Tetrahymena pyriformis. Coles AM, et al. **Biochem Soc Trans** 1980 Dec;8(6):739–40

Synthesis of mono- and dinucleotide photoaffinity probes of ribonucleic acid polymerase. DeRiemer LH, et al. **Biochemistry** 1981 Mar 17;20(6):1606–12

Early steps in the path of nascent ribonucleic acid across the surface of ribonucleic acid polymerase, determined by photoaffinity labeling. DeRiemer LH, et al. **Biochemistry** 1981 Mar 17;20(6):1612–7

Ribonucleic acid synthesis termination protein rho function: effects of conditions that destabilize ribonucleic acid secondary structure. Richardson JP, et al. **Biochemistry** 1981 Mar 3;20(5):1133–9

Synthesis of low molecular weight RNA components in cells with a temperature-sensitive polymerase II. Hellung-Larsen P, et al. **Biochim Biophys Acta** 1980 Aug 26;609(1):201–4

Estrogen interaction with the anterior pituitary of female rats: Differential cytosol binding, nuclear translocation and stimulation of RNA synthesis by 17 beta-estradiol and tamoxifen. Spona J, et al. **Biochim Biophys Acta** 1980 Dec 15;633(3):361–75

Hydra viridis: transfer of metabolites between Hydra and symbiotic algae. Thorington G, et al. **Biol Bull** 1981 Feb; 160(1):175–88

Intensity of RNA synthesis in lymphocytes of different types of blood and lymph of cattle in the norm and during lymphoid leukosis. Bespal'ko OF, et al. **Biol Bull Acad Sci USSR** 1980 Jul-Aug;7(4):237–43

The reaction of thymocytes to hypoxic stress. Komolova GS, et al. **Biol Bull Acad Sci USSR** 1980 Mar-Apr;7(2):94–8

An effect of ultraviolet light on RNA and protein synthesis in nondividing human diploid fibroblasts. Kantor GJ, et al. **Biophys J** 1979 Sep;27(3):359–70

Regulation of the mitochondrial anabolism at low concentrations of thyroid hormones and by some of their structural analogues. Martino G, et al. **Boll Soc Ital Biol Sper** 1979 Mar 15;55(5):489–94

Nucleic acids and protein in brains and cerebella of rats transplacentally exposed to ethylnitrosourea. Zagon IS, et al. **Brain Res Bull** 1981 May;6(5):355–60

Correlation of chromatin composition with metabolic changes in nuclei of primitive erythroid cells from chicken embryos. Urban MK, et al. **Can J Biochem** 1980 Sep; 58(9):726–31

Inhibition of hepatic macromolecular processes in normal and regenerating liver by hyperthermia. Collins FG, et al. **Cancer Biochem Biophys** 1980;4(4):227–32

Effect of quinacrine on nuclear structure and RNA synthesis in cultured rat hepatocytes. Leduc EH, et al. **Cancer Res** 1981 Jul;41(7):2832–41

Increase in cellular RNA in cells infected with DNA oncogenic viruses. Petralia S, et al. **Cancer Res** 1980 Sep; 40(9):3177–80

Protein synthesis requires cell-surface contact while nuclear events respond to cell shape in anchorage-dependent fibroblasts. Ben-Ze'ev A, et al. **Cell** 1980 Sep;21(2):365–72

Progressive loss of shape-responsive metabolic controls in cells with increasingly transformed phenotype. Wittelsberger SC, et al. **Cell** 1981 Jun;24(3):859–66

Reactivation of rat peritoneal leukocyte and mast cell nuclei in heterokaryons with actively growing mouse cells. Polunovsky VA, et al. **Cell Differ** 1981 May;10(3):125–30

The effect of age on the ability of oocytes to synthesize RNA and proteins during in vitro maturation. Peluso JJ, et al. **Cell Tissue Res** 1980;213(1):29–35

In vitro RNA synthesis in oocyte nuclei of the newt Notophthalmus. Schultz LD, et al. **Chromosoma** 1981; 82(2):171–87

Effects of hormones on the RNA-synthesis of Tetrahymena pyriformis. Csaba G, et al. **Comp Biochem Physiol [C]** 1981; 68C(2):251–3

Quantitative autoradiographic studies in RNA and protein synthesis of dyskeratotic cells in morbus Darier. Sato A, et al. **Curr Probl Dermatol** 1980;10:227–41

Autoradiographical study of the nucleolus in neurons of the reticular formation of the avian brain. Pessacq TP. **Cytologia (Tokyo)** 1980 Jun;45(1-2):293–5

Changing rates of DNA and RNA synthesis in Drosophila embryos. Anderson KV, et al. **Dev Biol** 1981 Feb; 82(1):127–38

Insulin-stimulated glucose uptake, leucine incorporation into protein, and uridine incorporation into RNA in skin fibroblast cultures from patients with diabetes mellitus. Eckel RH, et al. **Diabetologia** 1981 Mar;20(3):186–9

Rna synthesis and processing during cytodifferentiation in fetal rat pancreas. Bynum JW, et al. **Differentiation** 1980; 17(1):41–9

Characterization of insulin stimulation of the incorporation of radioactive precursors into macromolecules in cultured rat brain cells. Yang JW, et al. **Endocrinology** 1980 Dec; 107(6):1717–24

Effect of polybrominated biphenyls on the accumulation of DNA, RNA, and protein in cultured rat embryos following maternal administration. Fisher DL. **Environ Res** 1980 Dec; 23(2):334–40

RNA synthesis in rabbit endometrial nuclei. Hormonal regulation of transcription of the uteroglobin gene. Müller H, et al. **Eur J Biochem** 1980 Nov;112(2):235–41

Extrachromosomal DNA and its activity in RNA synthesis in oogonia and oocytes in the pupal ovary of Creophilus maxillosus (Staphylinidae, Coleoptera-Polyphaga). Kloc M. **Eur J Cell Biol** 1980 Aug;21(3):328–34

The in situ structure of the active 75 S RNA genes in Balbiani rings of Chironomus tentans. Andersson K, et al. **Exp Cell Res** 1980 Dec;130(2):313–26

Remnant nucleolar structures and residual RNA synthesis in chick erythrocytes. Laval M, et al. **Exp Cell Res** 1981 Mar;132(1):157–67

Relationship between polyamine accumulation and RNA biosynthesis and content during the cell cycle. Goyns MH. **Experientia** 1981 Jan 15;37(1):34–5

Reversal of heavy metal-directed inhibition of RNA synthesis in isolated mouse liver nuclei. Hayashi Y, et al. **FEBS Lett** 1981 Jan 26;123(2):265–8

Effect of nicotinamide on RNA and DNA synthesis and on poly(ADP-ribose) polymerase activity in normal and phytohemagglutinin stimulated human lymphocytes. Rochette-Egly C, et al. **FEBS Lett** 1980 Oct 20;120(1):7–11

A comparative analysis of the effect of actinomycin-D, alpha-amanitin an cordycepin on RNA synthesis and N-acetyltransferase induction by isoproterenol in cultured rat pineals. Miller LP, et al. **Gen Pharmacol** 1980; 11(6):497-501

Intact testosterone receptor complex does not induce RNA synthesis of Tfm-nuclei in multinucleated urethral muscle fibres of mosaic mice. Thiedemann KU, et al. **Histochemistry** 1981;70(2):123-8

Effect of malathion on nucleic acid synthesis in phytohemagglutinin-stimulated human lymphocytes. Czajkowska A, et al. **Hum Genet** 1980;56(2):189-94

Role of nucleic acids and cytoskeleton in nuclear refringence phenomenon (nrp) of human peripheral blood lymphocytes. Pompidou A, et al. **Immunopharmacology** 1979 Dec; 2(1):29-32

Inhibition of lymphocyte growth by spermidine in medium containing fetal bovine serum. Swanson TL, et al. **In Vitro** 1980 Sep;16(9):761-6

RNA & protein synthesis during Spirostomum regeneration. Nayak S, et al. **Indian J Exp Biol** 1981 Mar;19(3):203-5

Macromolecular synthesis & pattern formation in hydra: Part II--RNA & protein syntheses in regenerating hydras. Venugopal G, et al. **Indian J Exp Biol** 1980 Dec; 18(12):1375-8

Macromolecular synthesis & pattern formation in hydra: Part I--RNA synthesis in normal, non-regenerating hydras. Venugopal G, et al. **Indian J Exp Biol** 1980 Dec; 18(12):1372-4

Macromolecular synthesis & pattern formation in hydra: Part III--differential stability of cytoplasmic RNA in regenerating hydras. Venugopal G, et al. **Indian J Exp Biol** 1980 Dec;18(12):1379-82

Long-term incorporation of tritiated adenine into deoxyribonucleic acid and ribonucleic acid by Treponema pallidum (Nichols strain). Norris SJ, et al. **Infect Immun** 1980 Sep;29(3):1040-9

Role of host cell metabolism in the pathogenesis of Mycoplasma pneumoniae infection. Upchurch S, et al. **Infect Immun** 1981 Jan;31(1):174-81

Subcellular localization of alpha-tocopherol and its effect on RNA synthesis in perfused rabbit heart. Guarnieri C, et al. **Ital J Biochem** 1980 May-Jun;29(3):176-84

The effect of thyroid hormone on mitochondrial biogenesis and cellular hyperplasia. Wooten WL, et al. **J Bioenerg Biomembr** 1980 Apr;12(1-2):1-12

The use of alpha-amanitin to inhibit in vivo RNA synthesis and germination in wheat embryos. Jendrisak J. **J Biol Chem** 1980 Sep 25;255(18):8529-33

In vivo synthesis of 6-azauridine 5'-triphosphate and incorporation of 6-azauridine into RNA of germinating wheat embryonic axes. Rodaway S, et al. **J Biol Chem** 1980 Sep 25;255(18):8402-4

Studies on the mechanism of aflatoxin B1 inhibition of rat liver nucleolar RNA synthesis. Yu FL. **J Biol Chem** 1981 Apr 10;256(7):3292-7

Adenosine selectively inhibits labeling of chromosomal RNA, especially hnRNA, probably by acting at or near the site of chain initiation. Egyházi E, et al. **J Cell Biol** 1981 Apr; 89(1):1-8

Inhibitors of RNA synthesis and passage of chick embryo fibroblasts through the G1 period. Chadwick DE, et al. **J Cell Physiol** 1980 Jul;104(1):61-72

Relationships between polyamine metabolism and RNA synthesis in post-ischemic liver cell repair. Ferioli ME, et al. **J Cell Physiol** 1980 Apr;103(1):121-8

On the role of small peptides in the regulation of RNA synthesis in Tetrahymena pyriformis. Andersen HA, et al. **J Cell Sci** 1980 Oct;45:31-9

Further evidence for haploid gene expression during spermatogenesis: heterogeneous, poly(A)- containing RNA is synthesized post-meiotically. Erickson RP, et al. **J Exp Zool** 1980 Oct;214(1):13-9

Changes in RNA and protein synthesis in the neural retina during lens regeneration in newts. Gulati AK. **J Exp Zool** 1980 Oct;214(1):101-8

Appearance of RNA with a specific size class of poly(A) in oocytes and eggs in HCG-stimulated Xenopus laevis females. Sagata N, et al. **J Exp Zool** 1980 Jul;213(1):117-22

Autoradiographic study of the effects of estrogen on in vivo incorporation of 3H-uridine into uterine smooth muscle and stromal RNA in the aging ovariectomized mouse. Soriero AA. **J Gerontol** 1980 Mar;35(2):167-76

Regression of myocardial hypertrophy. II. RNA synthesis and RNA polymerase activity. Cutilletta AF. **J Mol Cell Cardiol** 1980 Aug;12(8):827-32

Influence of synchronized sleep on the biosynthesis of RNA in neuronal and mixed fractions isolated from rabbit cerebral cortex. Giuditta A, et al. **J Neurochem** 1980 Dec; 35(6):1267-72

Influence of synchronized sleep on the biosynthesis of RNA in two nuclear classes isolated from rabbit cerebral cortex. Giuditta A, et al. **J Neurochem** 1980 Dec;35(6):1259-66

Changes in RNA synthesis and messenger RNA content in the cerebellum of rats with graft versus host disease. Griffin WS, et al. **J Neurochem** 1980 Oct;35(4):880-8

Trypanosoma cruzi: pattern of RNA synthesis following infection of vertebrate cells. Crane MS, et al. **J Protozool** 1980 Aug;27(3):336-8

Different RNA species stimulated by testosterone and erythropoietin in isolated bone marrow nuclei obtained from polycythemic and anemic rats. Perretta M, et al. **J Steroid Biochem** 1981 Jun;14(6):537-43

A comparison of the effects of oestrogen and tamoxifen on the synthesis of uterine RNA in immature rats. Waters AP, et al. **J Steroid Biochem** 1981 Jun;14(7):625-30

Relationship between the fine structural organization of chromatin and nucleic acid synthesis in regenerating rat hepatocytes. Derenzini M, et al. **J Ultrastruct Res** 1981 May;75(2):229-42

Nascent RNA chain termination and ultrastructural changes in nucleoli isolated from SV40-transformed fibroblasts treated with aminonucleoside of puromycin. Studzinski GP, et al. **Lab Invest** 1980 Nov;43(5):427-33

RNA and protein synthesis in cultured human fibroblasts derived from donors of various ages. Chen JJ, et al. **Mech Ageing Dev** 1980 Jul;13(3):285-95

Alterations in liver nucleic acids and nucleotides in arginine deficient rats. Hassan AS, et al. **Metabolism** 1981 Aug; 30(8):739-44

Control of RNA and protein synthesis in phytohemagglutinin-stimulated human lymphocytes by chromatin peptides from calf thymus. Amici D, et al. **Mol Biol Rep** 1980 Dec 31;6(4):225-8

Small nuclear RNAs synthesis in PHA-stimulated and nonstimulated human peripheral blood lymphocytes. Jaruzelska J, et al. **Mol Cell Biochem** 1981 Mar 27; 35(3):183-9

Problems associated with dose response in steroid-hormone activation of structural genes. Leake RE. **Mol Cell Endocrinol** 1981 Jan;21(1):1-13 (94 ref.)

Analysis of the effect of 5-fluorouracil on the synthesis and translation of polysomal poly(A)RNA from Ehrlich ascites cells. Glazer RI, et al. **Mol Pharmacol** 1981 Jan; 19(1):117-21

Loss and restoration of sensitivity to epinephrine in cultured BHK cells: effect of inhibitors of RNA and protein synthesis. Morishima I, et al. **Mol Pharmacol** 1980 Nov; 18(3):370-8

Stimulation of RNA synthesis in isolated nuclei by an insulin-induced factor in liver. Horvat A. **Nature** 1980 Aug 28;286(5776):906-8

RNA is synthesized at the nuclear cage. Jackson DA, et al. **Nature** 1981 Aug 6;292(5823):552-5

Ribonucleotides in DNA newly synthesised in 3T6 cells in vivo. Kowalski J, et al. **Nature** 1979 Oct 25;281(5733):704-6

Long-lasting effects of electroconvulsive shock on the pattern of poly(A)-RNA synthesis in rabbit cerebral cortex. Cupello A, et al. **Neurochem Res** 1981 Feb;6(2):175-82

Analysis of hippocampal RNA in rats with genetically determined differences in learning ability. Shumskaya IA, et al. **Neurosci Behav Physiol** 1981 Jan-Feb;11(1):16-23

Halogenation of tubercidin by N-halosuccinimides. A direct route to 5-bromotubercidin, a reversible inhibitor of RNA synthesis in eukaryotic cells. Bergstrom DE, et al. **Nucleic Acids Res** 1980 Dec 20;8(24):6213-9

Synthesis and behaviour of small RNA species of CHO cells submitted to a heat chick. Bouche G, et al. **Nucleic Acids Res** 1981 Apr 10;9(7):1615-25

Variability in the molecular organization of the 5S RNA genes among strains of Drosophila melanogaster. Junakovic N. **Nucleic Acids Res** 1980 Aug 25;8(16):3611-22

The appearance of new polyadenylated nuclear RNA sequences during rat-liver regeneration. Wilkes PR, et al. **Nucleic Acids Res** 1981 Apr 24;9(8):2021-35

Nucleic acids synthesis: applications to molecular biology and genetic engineering. Proceedings of the International Symposium on Chemical Synthesis of Nucleic Acids, held in Egestorf, GFR, on 5th-8th May 1980. **Nucleic Acids Symp Ser** 1980;(7):1-395

Effects of undernutrition on nucleic acid synthesis in neuronal and glial cells from different regions of developing rat brain. Giuffrida AM, et al. **Nutr Metab** 1980;24(3):189-98

Effects of ACTH and related peptides on cerebral RNA and protein synthesis. Dunn AJ, et al. **Pharmacol Ther** 1981; 12(2):353-72 (91 ref.)

Synthesis and processing of RNA by isolated human placental nuclei. Lau AS, et al. **Placenta** 1980 Apr-Jun; 1(2):169-81

The effect of parathyroid hormone (PTH) and 1,25 dihydroxy vitamin D3 (1,25(OH)2D3) on RNA and heme synthesis by erythroid precursors. Levi J, et al. **Proc Eur Dial Transplant Assoc** 1980;17:603-7

Action of granulocyte-macrophage colony-stimulating factors: studies using a human leukemia cell line. Lusis AJ, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5346-50

Rate-limiting steps in RNA chain initiation. McClure WR. **Proc Natl Acad Sci USA** 1980 Oct;77(10):5634-8

Inhibition of RNA synthesis in human lymphoid cells induces interferon production. Dianzani F, et al. **Proc Soc Exp Biol Med** 1981 Jul;167(3):338-42

Differentiation of the guinea pig eye: nuclear ultrastructure, template activity and DNA content. Schmalenberger B. **Protoplasma** 1980;103(4):377-91

Effect of spermatozoa on the incorporation of precursors into endometrial macromolecules. Hicks JJ. **Reproduccion** 1981 Jan-Mar;5(1):59-64

RNA and protein synthesis in plastid differentiation. Wollgiehn R, et al. **Results Probl Cell Differ** 1980;10:97-145 (257 ref.)

Polyadenylation, methylation, and capping of the RNA synthesized in vitro by African swine fever virus. Salas ML, et al. **Virology** 1981 Sep;113(2):484-91

RNA metabolism in the retina in relation to cyclic lighting. Hollyfield JG, et al. **Vision Res** 1980;20(12):1151-5

[Cytological study of nucleoli and nucleolar organizers during inhibition of RNA synthesis] Radoux D, et al. **Bull Assoc Anat (Nancy)** 1980 Jun;64(185):259-66 (Eng. Abstr.) **(Fre)**

[Fidelity of a polymerization reaction according to the proximity to equilibrium] Herbomel P, et al. **C R Acad Sci [D] (Paris)** 1980 Nov 24;291(11):881-4 (Eng. Abstr.) **(Fre)**

[Action of a dithiocarbamate (zinebe) on the liver biosynthesis of RNA and proteins in the rat (author's transl)] Moulé Y. **Toxicol Eur Res** 1978;1(5):283-8 (Eng. Abstr.) **(Fre)**

[Influence of procaine and nicotinoyl-procaine on enzyme activities, nucleic acid and protein synthesis in primary cultures of heart and skeletal muscle cells of rats (author's transl)] Freimüller B, et al. **Arzneimittelforsch** 1980; 30(10):1641-3 (Eng. Abstr.) **(Ger)**

[Mechanism of silybin action, IV. Structure-action relationship (author's transl)] Sonnenbichler J, et al. **Hoppe Seylers Z Physiol Chem** 1980 Nov;361(11):1757-61 (Eng. Abstr.) **(Ger)**

[Characteristics of synthesized RNA in the isolated and perfused rat liver] Cordone A, et al. **Boll Soc Ital Biol Sper** 1980 Feb 29;56(4):295-301 (Eng. Abstr.) **(Ita)**

[Studies on the interrelationship among serum estrogen levels, estrogen receptors (unbound cytoplasmic, bound cytoplasmic and bound nuclear), RNA syntheses and protein syntheses in the normal endometrial tissues (author's transl)] Kim PY. **Nippon Naibunpi Gakkai Zasshi** 1980 Sep 20;56(9):1151-71 (Eng. Abstr.) **(Jpn)**

[Effect of sodium selenite on RNA synthesis in loach embryos] Abdullaev GB, et al. **Biokhimiia** 1980 Jan; 45(1):98-102 (Eng. Abstr.) **(Rus)**

[Age-dependent synthesis of nucleic acids and proteins in the livers of different lines of rats] Bozhkov AI, et al. **Biokhimiia** 1980 Jan;45(1):113-7 (Eng. Abstr.) **(Rus)**

[Turnover of chromatin proteins in rat liver during induction of RNA synthesis by electrostimulation of the hypothalamus] Tiulenev VI, et al. **Biokhimiia** 1980 Sep; 45(9):1669-74 (Eng. Abstr.) **(Rus)**

[RNA synthesis in different mouse organs against a background of chronic fluorine poisoning] Avtsyn AP, et al. **Biull Eksp Biol Med** 1980 Oct;90(10):420-2 (Eng. Abstr.) **(Rus)**

[Effect of etimizol on the RNA synthesizing activity of brain cell nuclei during the learning process in rats] Dambinova SA, et al. **Biull Eksp Biol Med** 1981 Mar;91(3):306-7 (Eng. Abstr.) **(Rus)**

[Relation between membrane potential changes and DNA, RNA and protein synthesis in regenerating liver cells after partial hepatectomy] Frol'kis VV, et al. **Biull Eksp Biol Med** 1981 Mar;91(3):362-4 (Eng. Abstr.) **(Rus)**

[Nature of RNA synthesis on embikhin-damaged templates] Prikul' IV, et al. **Biull Eksp Biol Med** 1980 Oct;90(10):434-6 (Eng. Abstr.) **(Rus)**

[Electron autoradiographic study of RNA synthesis in cerebral cortex neurons in burns] Sanovich EIa, et al. **Biull Eksp Biol Med** 1980 Dec;90(12):733-6 (Eng. Abstr.) **(Rus)**

[Effect of cyclic adenosine-3,5-monophosphate and its dibutyryl analog on macromolecule biosynthesis in actively proliferating cells] Simkhovich BZ, et al. **Biull Eksp Biol Med** 1980 Sep;90(9):320-2 (Eng. Abstr.) **(Rus)**

[Activation of RNA synthesis in loach embryos after injection of a nuclear extract obtained by using 0.35 M NaCl] Burakova TA, et al. **Mol Biol (Mosk)** 1980 Jul-Aug; 14(4):922-7 (Eng. Abstr.) **(Rus)**

[Role of the beta-subunits of Escherichia coli RNA-polymerase in the regulation of gene activity] Kamzolova SG, et al. **Mol Biol (Mosk)** 1980 Jul-Aug; 14(4):759-65 (Eng. Abstr.) **(Rus)**

[Participation of various adenosine and guanosine derivatives in the abortive RNA synthesis initiation reaction: effect of Mg2+, Mn2+, and rifampicin] Shemiakin MF, et al. **Mol Biol (Mosk)** 1980 Nov-Dec;14(6):1392-5 (Eng. Abstr.) **(Rus)**

[Noradrenaline as a RNA and Na K ATPase biosynthesis regulator in the neurons] Elaev NR. **Probl Endokrinol (Mosk)** 1981 Jan-Feb;27(1):58-62 (Eng. Abstr.) **(Rus)**

[Neuropharmacological drugs effect on functional activity of rat brain] Dzhaliashvili TA, et al. **Ukr Biokhim Zh** 1981 Mar-Apr;53(2):109-14 (Eng. Abstr.) **(Rus)**

[Effect of vitamin E an actinomycin D on protein and RNA synthesis in rat liver] Palivoda OM, et al. **Ukr Biokhim Zh** 1981 Jan-Feb;53(1):67-71 (Eng. Abstr.) **(Rus)**

[Biosynthesis of pyrimidine nucleotides in normal and regenerating bone tissue] Matveenko VN. **Vopr Med Khim** 1980 Mar-Apr;26(2):162-5 (Eng. Abstr.) **(Rus)**

[Therapeutic action of nucleic acid-synthesis stimulants in peptic ulcer] Deineko NF, et al. **Vrach Delo** 1980 Oct; (10):70-2 **(Rus)**

BLOOD

Addition of deoxynucleotides to an RNA primer by a DNA

polymerase in human platelets. Gillespie D, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1191–8

Electron microscopic observations of heterogeneous nuclear RNA of chicken reticulocytes. Naora H, et al. **Biochim Biophys Acta** 1981 Mar 26;653(1):91–7

[In vitro maturation of reticulocytes. Behavior of RNA and inorganic pyrophosphatase] Mai A, et al. **Acta Biol Med Ger** 1980;39(2–3):217–22 (Eng. Abstr.) **(Ger)**

[Blood DNA- and RNA-binding activity in systemic lupus erythematosus and other collagenoses in children] Kvachadze IM, et al. **Pediatriia** 1980;(9):30–2 (Eng. Abstr.) **(Rus)**

[Exogenous RNA incorporation into human leukocytes] Blinov MN, et al. **Probl Gematol Pereliv Krovi** 1981 Jan; 26(1):38–40 (Eng. Abstr.) **(Rus)**

[Determination of total and separate blood levels of nucleic acids (RNA and DNA) in states of diverse severity of diabetes mellitus and during antidiabetic therapy] Zhurova MV, et al. **Ter Arkh** 1980;52(8):73–7 (Eng. Abstr.) **(Rus)**

[Changes in capillary permeability, blood acid balance and nuclein metabolism in ischemic heart disease] Rybachuk IA, et al. **Vrach Delo** 1981;(6):15–9 **(Rus)**

[Enzymatic and nucleic acid content in primary rheumocarditis] Selivonenko VG. **Vrach Delo** 1980 Oct; (10):37–9 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

A chemical method to enrich RNA by molecules having 5'-terminal triphosphate groups. Chumakov PM, et al. **Nucleic Acids Res** 1981 Mar 25;9(6):1519–30

GENETICS

Comparison of cytoplasmic RNA species from rat liver and Morris hepatoma 5123D. Brysch B, et al. **Acta Biochim Pol** 1980;27(2):111–21

Effect on transcription of low-molecular-weight RNA from calf thymus chromatin. Dobrzelewski J, et al. **Acta Biochim Pol** 1980;27(2):75–87

The synthesis of a cDNA copy complementary to two snRNAs and the localization of their genes in the rat genome. Alonso A, et al. **Biochem Biophys Res Commun** 1980 Jul 16;95(1):148–55

Structure, translation, and metabolism of the cytoplasmic copia ribonucleic acid of Drosophila melanogaster. Falkenthal S, et al. **Biochemistry** 1980 Dec 9;19(25):5842–50

Immunoglobulin mu- and gamma-ribonucleic acid sequences in thymocytes and splenocytes from normal and hyperimmune mice. Near RI, et al. **Biochemistry** 1981 Apr 28;20(9):2386–94

Complexity and abundance of ribonucleic acid transcribed from restriction endonuclease fragments of Euglena chloroplast deoxyribonucleic acid during chloroplast development. Rawson JR, et al. **Biochemistry** 1981 Apr 28;20(9):2639–44

Transcripts from both strands of a satellite DNA occur on lampbrush chromosome loops of the newt Notophthalmus. Diaz MO, et al. **Cell** 1981 Jun;24(3):649–59

Association of a 5S gene transcription factor with 5S RNA and altered levels of the factor during cell differentiation. Honda BM, et al. **Cell** 1980 Nov;22(1 Pt 1):119–26

Structure and expression of a chicken gene coding for U1 RNA. Roop DR, et al. **Cell** 1981 Mar;23(3):671–80

A quantitative assay for Xenopus 5S RNA gene transcription in vitro. Wormington WM, et al. **Cell** 1981 Jun;24(3):809–17

Transcription and metabolism of RNA from the Drosophila melanogaster heat shock puff site 93D. Lengyel JA, et al. **Chromosoma** 1980;80(3):237–52

Large globin RNA molecules and their processing. Shaul Y, et al. **Eur J Biochem** 1981 Jun 1;116(3):461–6

Repeated sequence organization and RNA transcription map of the chicken adult beta-globin gene region. Wood WI, et al. **J Biol Chem** 1981 Feb 25;256(4):1502–6

Inter-RNA homology and possible roles of small RNAs. Gojobori T, et al. **J Mol Evol** 1981;17(4):245–50

A theory for the origin of a self-replicating chemical system. I: Natural selection of the autogen from short, random oligomers. White DH. **J Mol Evol** 1980 Dec;16(2):121–47

Epstein-Barr virus RNA. VI. Viral RNA in restringently and abortively infected Raji cells. King W, et al. **J Virol** 1981 May;38(2):649–60

Nucleotide sequences of 4.5S RNAs associated with poly(A)-containing RNAs of mouse and hamster cells. Harada F, et al. **Nucleic Acids Res** 1980 Mar 25; 8(6):1273–85

Characterization of cloned cDNA sequences derived from Xenopus laevis poly A(+) oocyte RNA. Jacob E. **Nucleic Acids Res** 1980 Mar 25;8(6):1319–37

Sequence and heterogeneity in the 5S RNA gene cluster of Drosophila melanogaster. Tschudi C, et al. **Nucleic Acids Res** 1980 Feb 11;8(3):441–51

Abundant pseudogenes for small nuclear RNAs are dispersed in the human genome. Denison RA, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):810–4

Related 5S RNA transcription factors in Xenopus oocytes and somatic cells. Pelham HR, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1760–4

Inhibition of ColE1 RNA primer formation by a plasmid-specified small RNA. Tomizawa J, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1421–5

The origin of genetic information. Eigen M, et al. **Sci Am** 1981 Apr;244(4):88–92, 96, et passim

Comparison of the activities of HSV-1 and cellular mRNAs as templates for in vitro translation. Inglis MM, et al. **Virology** 1981 Apr 15;110(1):1–15

[Globin-coding sequences in the nuclear 28S pre-mRNA and in the cytoplasmic RNA of pigeon erythroid cells] Gazarian KG, et al. **Mol Biol (Mosk)** 1980 Jul–Aug;14(4):766–72 (Eng. Abstr.) **(Rus)**

[Expression of the liver mitochondrial genome in diabetes] Minchenko AG. **Probl Endokrinol (Mosk)** 1981 Jan–Feb; 27(1):62–6 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Enzymically-mediated changes in murine mammary adenocarcinoma cell membrane induces changes in lymphoid tissue immune ribonucleic acids. Hakim AA. **Arch Geschwulstforsch** 1980;50(7):613–27

Results of xenogeneic I-RNA therapy in patients with metastatic renal cell carcinoma. Steele G Jr, et al. **Cancer** 1981 Mar 15;47(6):1286–8

Biochemical studies of immune RNA using a cell-mediated cytotoxicity assay. Griffin GD, et al. **Cancer Biochem Biophys** 1980;4(3):123–31

Acceleration of allogeneic antitumor immunity with immune RNA in vitro and T-cell suppression by L1210 tumor bearer spleen cells. Miura T, et al. **Cancer Res** 1981 Feb; 41(2):383–98

A ribonucleic acid-specific antibody produced during autoimmune disease: evidence for nucleotide sequence specificity. Eilat D, et al. **Eur J Immunol** 1980 Nov; 10(11):841–5

Conversion of immune response patterns from high to low and low to high by an RNase-sensitive thymocyte extract. Nakamura K. **Immunology** 1980 Sep;41(1):25–35

Cell preparation in immune response by immune ribonucleic acid. II. Independence of T lymphocytes in immune response against T-independent antigens. Saito K, et al. **Immunology** 1980 Dec;41(4):947–53

Cell participation in immune response by immune ribonucleic acid. I. The role of T lymphocytes in immune response by immune RNA against T-dependent antigens. Saito K, et al. **Immunology** 1980 Dec;41(4):937–45

Biodynamic effects of RNA. Zemskov AM. **J Hyg Epidemiol Microbiol Immunol** 1981;25(1):82–9

Multiple expression of Ig lambda-chain encoding RNA species in murine plasmacytoma cells. Schwartz RC, et al. **J Immunol** 1981 Jun;126(6):2104–8

Fractionation of immune RNA isolated from the spleens of mice infected with Trypanosoma cruzi. Bertolini MC, et al. **J Infect Dis** 1981 Jun;143(6):827–31

In vivo and in vitro effects of xenogeneic immune ribonucleic acid in patients with advanced renal cell carcinoma: a phase I study. Richie JP, et al. **J Urol** 1981 Jul;126(1):24–8

The experimental induction of antibodies to nucleic acids. Stollar BD. **Methods Enzymol** 1980;70(A):70–85

[A further study of treatment of HBsAg positive chronic persistent hepatitis with HBsAg specific immunoribonucleic acid (author's transl)] **Chung Hua Nei Ko Tsa Chih** 1980 Sep;19(5):360–2 **(Chi)**

[High-polymeric xenogenic RNA as an antitumor immunity stimulator] Nikolin VP, et al. **Biull Eksp Biol Med** 1980 Aug;90(8):199–201 (Eng. Abstr.) **(Rus)**

[Intercellular information flow in the process of immunogenesis. VII. The effect of low- and high-polymer immune nuclear RNA on antibody synthesis by the cells of rat transplantable]U Sleptsova LA, et al. **Tsitologiia** 1980 Oct;22(10):1214–9 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

The chromatography of RNA and oligoribonucleotides on boronate-substituted agarose and polyacrylamide. Pace B, et al. **Anal Biochem** 1980 Sep 1;107(1):128–35

Efficient extraction and quantitative determination of nanogram amounts of cellular RNA. Schultz RM, et al. **Anal Biochem** 1980 May 15;104(2):328–34

Quantitative ethanol precipitation of nanogram quantities of DNA and RNA. Shapiro DJ. **Anal Biochem** 1981 Jan 1; 110(1):229–31

The bidirectional transfer of DNA and RNA to nitrocellulose or diazobenzyloxymethyl-paper. Smith GE, et al. **Anal Biochem** 1980 Nov 15;109(1):123–9

Isolation of oligo(U)-containing heterogeneous nuclear RNA from control and 5,6-dichloro-1-beta-D-ribofuranosylbenzimidazole-treate HeLa cells. Harlow P, et al. **Arch Biochem Biophys** 1981 Apr 1;207(2):380–91

Nucleotide sequence of nuclear 5S RNA of mouse cells. Kato N, et al. **Biochem Biophys Res Commun** 1981 Apr 30; 99(4):1468–76

Nucleic acid fixation to cyanuric chloride-activated paper. Use for nucleic acid transfer and affinity binding. Hunger HD, et al. **Biochim Biophys Acta** 1981 May 29;653(3):344–9

Characterization of a poly(A)+RNA-containing structural component directly associated with cytoplasmic membranes in dormant Artemia cysts. Lake M, et al. **Biochim Biophys Acta** 1980 Sep 19;609(2):286–95

A modified nucleotide in the poly(A) tract of maize RNA. Nichols JL, et al. **Biochim Biophys Acta** 1981 Jan 29; 652(1):99–108

A physical study of the ovine genome. Reisner AH, et al. **Biochim Biophys Acta** 1980 Aug 26;609(1):97–106

Polyadenylated RNA of Volvox: isolation and partial characterization. Caplen HS, et al. **Cytobios** 1980; 29(114):115–28

Distribution of low-molecular-weight RNAs in avian erythroblast nuclear ribonucleoprotein complexes associated with pre-messenger RNA. Maxwell ES, et al. **Eur J Biochem** 1981 Jan;113(2):233–47

High molecular weight messenger RNA in polysomes of osmotic dependent Saccharomyces cerevisiae mutants. Venkov PV, et al. **Int J Biochem** 1981;13(1):83–90

The small nuclear RNAs of the cellular slime mold Dictyostelium discoideum. Isolation and characterization. Wise JA, et al. **J Biol Chem** 1981 Jan 25;256(2):956–63

Evidence of low molecular weight RNAs involved in permanent character changes in amoebae. Hawkins SE. **J Cell Sci** 1980 Jun;43:329–40

Purification of major abundance class of poly(A+)-RNA from rat ventral prostate. Mansson PE, et al. **Mol Cell Endocrinol** 1980 Sep;19(3):229–41

Isolation of catfish proinsulin messenger RNA and synthesis of its complementary DNA. Permutt MA, et al. **Mol Cell Endocrinol** 1980 Aug;19(2):197–211

Purification and characterization of a simple ribonucleoprotein particle containing small nucleoplasmic RNAs (snRNP) as a subset of RNP containing heterogenous nuclear RNA (hnRNP) from HeLa cells. Brunel C, et al. **Nucleic Acids Res** 1981 Feb 25;9(4):815–30

The nuclear 5S RNAs from chicken, rat and man. U5 RNAs are encoded by multiple genes. Krol A, et al. **Nucleic Acids Res** 1981 Feb 25;9(4):769–87

Electrophoretic transfer of DNA, RNA and protein onto diazobenzyloxymethyl (DBM) - paper. Stellwag EJ, et al. **Nucleic Acids Res** 1980 Jan 25;8(2):299–317

Characterization of nuclear 5.7S RNAs of mouse cells. Kato N, et al. **Nucleic Acids Symp Ser** 1980;(8):s115–6

[Preparation of giant RNA from bovine thyroid gland by agarose gel filtration] Champier J, et al. **Arch Int Physiol Biochim** 1980 May;88(2):199–201 (Eng. Abstr.) **(Fre)**

[Single-step isolation of total DNA and RNA by silica gel chromatography of a nuclear lysate] Ovcharuk IN, et al. **Biol Nauki** 1980;(12):24–9 **(Rus)**

[Density-gradient centrifugation in lithium metatungstate and tris-(hydroxymethyl)aminomethane phosphotungstate] Voronina AS, et al. **Mol Biol (Mosk)** 1980;14(1):190–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Biochemical changes in the visual cortices of the mice after optic nerve ligation. Tiu SC, et al. **Acta Histochem (Jena)** 1980;67(2):261–4

Morphological and biochemical study of the hepatoprotective effect of AICA-phosphate. Ujhelyi E, et al. **Acta Med Acad Sci Hung** 1980;37(1):99–103

Cell-free translation of cartilage RNAs. Upholt WB, et al. **Ala J Med Sci** 1981 Jan;18(1):35–40

Starvation in the rat. I. Effect of age and obesity on organ weights, RNA, DNA, and protein. Goodman MN, et al. **Am J Physiol** 1980 Oct;239(4):E269–E276

The site at which late mRNAs are polyadenylated is altered in SV40 mutant dl882. Fitzgerald M, et al. **Ann NY Acad Sci** 1980;354:53–9

Effect of 5,6-dichloro-1-beta-D-ribofuranosyl benzimidazole on ribonucleotide metabolism and accumulation of mitochondrial RNA and low-molecular-weight cytoplasmic RNA in HeLa cells. Harlow P, et al. **Arch Biochem Biophys** 1980 Sep; 203(2):764–73

The DNA, RNA and protein composition of the cyanobacterium Anacystis nidulans grown in light- and carbon dioxide-limited chemostats. Parrott LM, et al. **Arch Microbiol** 1980 Aug 1;127(1):53–8

Synthesis in vitro of urokinase-like material using polyA(+)RNA from human kidney and from cultured human embryonic kidney cells. Bollen A, et al. **Biochem Biophys Res Commun** 1980 Nov 17;97(1):207–15

Altered restriction of nuclear RNA during incubation in vitro. Clawson GA, et al. **Biochem Biophys Res Commun** 1980 Jul 31;95(2):696–700

Small nuclear RNA and VA RNA in nuclear ribonucleoprotein fibrils from adenovirus-2 infected HeLa cells. Gallinaro H, et al. **Biochem Biophys Res Commun** 1980 Jul 16;95(1):20–6

Relative distribution of post-nuclear poly(A)-containing RNA abundance groups within the nuclear and post-nuclear polyadenylated and non-polyadenylated RNA populations of the lactating guinea-pig mammary gland. Bathurst IC, et al. **Biochem J** 1980 Nov 15; 192(2):489–98

Nucleocytoplasmic transport of RNA. The effect of 3'-deoxyadenosine triphosphate on RNA release from isolated nuclei. Kletzien RF. **Biochem J** 1980 Nov 15; 192(2):753–9

Covalent binding of [14C]benzene to cellular organelles and bone marrow nucleic acids. Gill DP, et al. **Biochem Pharmacol** 1981 May 15;30(10):1127–31

Interaction of Escherichia coli host factor protein with oligoriboadenylates. de Haseth PL, et al. **Biochemistry** 1980 Dec 23;19(26):6138–46

Interaction of Escherichia coli host factor protein with Q beta ribonucleic acid. de Haseth PL, et al. **Biochemistry**

1980 Dec 23;19(26):6146–51

Insulin gene expression during development of the fetal bovine pancreas. Frazier ML, et al. **Biochemistry** 1981 Jan 20;20(2):367–71

Regulated transport of messenger ribonucleic acid from isolated liver nuclei by nucleic acid binding proteins. Moffett RB, et al. **Biochemistry** 1981 May 26; 20(11):3253–62

Isolation and characterization of complementary deoxyribonucleic acid complementary to the highly abundant class of poly(adenylic acid)–containing ribonucleic acid from oocytes of Drosophila melanogaster. Weide CM, et al. **Biochemistry** 1980 Oct 28;19(22):5092–8

Oligo(U)- and poly(U)–containing RNA of wheat embryo. Dobrzanska M, et al. **Biochim Biophys Acta** 1980 Oct 17; 609(3):425–34

Translation of poly-A RNA from rat liver in vitro. Evidence for a high molecular weight subunit of tyrosine aminotransferase. Wagner H, et al. **Biochim Biophys Acta** 1980 Aug 26;609(1):53–60

RNA metabolism during a developmental process. Modeling by Boolean functions and automata theory. Tarroux P, et al. **Biochimie** 1981 Jan;63(1):19–30

On the altered nucleocytoplasmic transport 'in vitro' of rapidly labelled RNA, in the presence of cytosol or serum from tumor-bearing rats. Lemaire M, et al. **Biomedicine** 1981 Feb;34(1):47–53

The degradation of nucleic acids in, and the removal of breakdown products from the small intestines of steers. McAllan AB. **Br J Nutr** 1980 Jul;44(1):99–112

In vivo binding of the flame retardants tris(2,3–dibromopropyl) phosphate and tris(1,3–dichloro–2–propyl) phosphate to macromolecules of mouse liver, kidney and muscle. Morales NM, et al. **Bull Environ Contam Toxicol** 1980 Jul;25(1):34–8

RNA metabolism in isolated nuclei: effect of temperature on RNA transport from intact and membrane–denuded nuclei. Patterson RJ, et al. **Cell Biol Int Rep** 1981 Jan; 5(1):27–36

Electrokinetic determinations of enzymatic susceptibilities of cell surface–associated RNA. Mayhew E, et al. **Cell Biophys** 1981 Mar;3(1):29–39

Flow–cytometric analysis of mouse pritoneal macrophages. Stadler BM, et al. **Cell Immunol** 1980 Aug 15;54(1):36–48

Some properties of the irreversible complexes of nitracrine (ledakrin, C–283) with polynucleotides. Gniazdowski M, et al. **Chem Biol Interact** 1981 Mar 15;34(3):355–66

Azocarcinogen–induced release of chromatin–associated RNA into liver cytoplasm: the possible role of reiterated RNA sequences in the control of RNA processing. Patel NT, et al. **Chem Biol Interact** 1981 May;35(2):129–37

Arylhydroxylamine–induced ribonucleic acid chain cleavage and chromatographic analysis of arylamine–ribonucleic acid adducts. Vaught JB, et al. **Chem Biol Interact** 1981 Feb;34(1):109–24

Covalent binding of benzo[a]pyrene metabolites to DNA, RNA and chromatin proteins in the AKR mouse embryo cell–line. Zytkovicz TH, et al. **Chem Biol Interact** 1981 Apr;35(1):39–54

Identification of the primary translation product of elastic mRNA. Cheah KS, et al. **Connect Tissue Res** 1981; 8(3–4):205–8

Changes in the complexity of nuclear RNA during development of Dictyostelium discoideum. Blumberg DD, et al. **Dev Biol** 1981 Jan 15;81(1):74–80

Ontogeny of maternal and newly transcribed mRNA analyzed by in situ hybridization during development of Caenorhabditis elegans. Hecht RM, et al. **Dev Biol** 1981 Apr 30;83(2):374–9

A transient accumulation of poly(A)–containing RNA in the tapetum of Hyoscyamus niger during microsporogenesis. Raghavan V. **Dev Biol** 1981 Jan 30;81(2):342–8

RNA transcription and translation in sea urchin oocytes and eggs. Ruderman JV, et al. **Dev Biol** 1981 Jan 30;81(2):220–8

Effects of atrazine on circadian RNA, DNA and total protein rhythms in the thyroid and adrenal. Nicolau GY, et al. **Endocrinologie** 1980 Jul–Sep;18(3):161–6

Difference between thyroidectomized and hypophysectomized animals in their hepatic ribonucleic acid response to thyroid hormone. Simat BM, et al. **Endocrinology** 1980 Nov;107(5):1338–44

Sequence diversity of nuclear and polysomal polyadenylated and non–polyadenylated RNA in normal and regenerating rat liver. Grady LJ, et al. **Eur J Biochem** 1981 Apr; 115(2):241–5

Single–strand–specific nuclease from the nucleoplasm of rye germ nuclei. Przykorska A, et al. **Eur J Biochem** 1980; 108(1):285–93

Identification of homologous ribosomal proteins in HeLa cells and in Tetrahymena pyriformis. A study of proteins binding 5–S RNA and acidic proteins released from 40–S subunits by EDTA. Svoboda AJ, et al. **Eur J Biochem** 1981 May 15;116(2):397–402

Labelling of the chromatid body by [3H]uridine in rat pachytene spermatocytes. Söderström KO. **Exp Cell Res** 1981 Feb;131(2):488–91

Labeling of rabbit cerebral cortex mitochondrial RNA in the recovery period after a single electroconvulsive shock. Cupello A, et al. **Exp Neurol** 1981 Apr;72(1):247–51

Cytochemical comparison of two kinds of experimental hypoxia: changes of RNA content per cell in cerebellar and cerebral cortex neurons and perineuronal glia. Pevzner LZ. **Exp Neurol** 1979 Jul;65(1):237–41

Autoradiographic studies on RNA synthesis and transport in the salivary gland of Lygaeus sp. (Hemiptera–Lygaeidae). Kumar D. **Experientia** 1981 Jan 15;37(1):37–8

Eukaryotic aminoacyl–tRNA synthetases are RNA–binding proteins whereas prokaryotic ones are not. Alzhanova AT, et al. **FEBS Lett** 1980 Nov 3;120(2):225–9

RNA–binding activity of eukaryotic initiation factors of translation. Vlasik TN, et al. **FEBS Lett** 1980 Jul 11; 116(1):8–10

Quantitative alterations of nucleic acids and protein in the developmental mouse brain of convulsive E1 strain. Ohno K, et al. **Folia Psychiatr Neurol Jpn** 1980;34(3):364

The effect of histochemical methylation on the phosphate groups of nucleic acids: interpretation of the absence of nuclear basophilia. Prentø P. **Histochem J** 1980 Nov; 12(6):661–8

Reaction of isoniazid with cellular constituents in vivo. Maru GB, et al. **Indian J Cancer** 1981 Mar;18(1):7–12

Malathion exposed seeds of Vigna sinensis (L): changes at protein & nucleic acid levels. Chakrabarti S, et al. **Indian J Exp Biol** 1980 Aug;18(8):896–8

Changes in DNA, RNA & protein contents in different tissues of mice after repeated morphine & pethidine treatment. Swain N, et al. **Indian J Exp Biol** 1980 Oct;18(10):1188–9

Biochemical observations on the protein and nucleic acid metabolism of the rat testis and epididymis after treatment with low doses of alpha–chlorohydrin. Kaur S, et al. **Int J Fertil** 1981;26(1):8–13

Rapid changes in pancreatic DNA, RNA and protein in the rat during pancreatic enlargement and involution. Crass RA, et al. **Int J Vitam Nutr Res** 1981;51(1):85–91

Binding of benzo [a]pyrene to epidermal DNA and RNA as detected by synchronous luminescence spectrometry at 77 K. Rahn RO, et al. **J Biochem Biophys Methods** 1980 Nov;3(5):285–91

Changes in amount and synthesis of poly(A)– and poly(A)+ RNA in growing and resting cultures of Tetrahymena. Rinaldy AR. **J Biochem (Tokyo)** 1980 Aug;88(2):291–6

Polyadenylated RNA sequences which are reduced in concentration following auxin treatment of soybean hypocotyls. Baulcombe DC, et al. **J Biol Chem** 1980 Sep 25;255(18):88907–13

Roles of the host polypeptides in Q beta RNA replication. Host factor and ribosomal protein S1 allow initiation at reduced GTP concentration. Blumenthal T, et al. **J Biol Chem** 1980 Dec 25;255(24):11713–6

Effects of insulin on messenger RNA activities in rat liver. Hill RE, et al. **J Biol Chem** 1981 Feb 25;256(4):1510–3

Intracellular distribution of low molecular weight RNA species in HeLa cells. Gurney T Jr, et al. **J Cell Biol** 1980 NOV;87(2 Pt 1):398–403

Distribution of poly(A)–containing RNA during normal pollen development and during induced pollen embryogenesis in Hyoscyamus niger. Raghavan V. **J Cell Biol** 1981 Jun;89(3):593–606

The regulation of RNA metabolism in suspended and reattached anchorage–dependent 3T6 fibroblasts. Benecke BJ, et al. **J Cell Physiol** 1980 May;103(2):247–54

Nucleic acids methylation of synchronized BHK 21 HS 5 fibroblasts during the mitotic phase. Bugler B, et al. **J Cell Physiol** 1980 Apr;103(1):149–57

Axon reaction in dorsal motor vagal and hypoglossal neurons of the adult rat. Light microscopy and RNA–cytochemistry. Aldskogius H, et al. **J Comp Neurol** 1980 Sep 1;193(1):165–77

Macromolecular binding in assessing drug and chemical–induced tissue lesions. Mitchell JR, et al. **J Environ Pathol Toxicol** 1977 Nov–Dec;1(2):101–15

Characterization of the female sterile (1) 1304 mutant of Drosophila melanogaster: pattern of RNA metabolism in the ovary. Mulligan PK. **J Exp Zool** 1981 Jul;217(1):109–18

Total content of RNA in individual nerve cells of spinal ganglion during ischemia in dogs. Mitro A, et al. **J Hirnforsch** 1981;22(2):217–20

Ethidium bromide: a nucleic acid stain for tissue section. Franklin WA, et al. **J Histochem Cytochem** 1981 Apr; 29(4):572–6

Escherichia coli tryptophan operon leader mutations, which relieve transcription termination, are cis–dominant to trp leader mutations, which increase transcription termination. Zurawski G, et al. **J Mol Biol** 1980 Sep 5;142(1):123–9

Brain poly(A)RNA during aging: stability of yield and sequence complexity in two rat strains. Colman PD, et al. **J Neurochem** 1980 Feb;34(2):335–45

Nucleocytoplasmic transport of RNA and protein synthesis in developing brain from normal and undernourished rats. Duvilanski BH, et al. **J Neurochem** 1980 Jan;34(1):226–30

Studies dealing with hepatic RNA metabolism in rats force–fed a threonine–devoid diet. Sidransky H, et al. **J Nutr** 1980 Dec;110(12):2514–26

Complex of simian virus 40 large–T antigen and host 53,000–molecular–weight protein in monkey cells. Harlow E, et al. **J Virol** 1981 Feb;37(2):564–73

Ageing studies in rat liver. I. Complexity of RNA from two to ten months of age. Grady LJ, et al. **Mech Ageing Dev** 1981 Apr;15(4):415–21

Separation of mercury substituted RNA synthesized in isolated rat liver nuclei. Hanausek–Walaszek M, et al. **Mol Biol Rep** 1981 May 22;7(1–3):57–62

Cytoplasmic processing events in the polyadenylate region of Physarum messenger RNA. Jeffery WR, et al. **Mol Biol Rep** 1981 May 22;7(1–3):63–70

Nucleotide sequence complementarity between adenovirus 2–coded VA RNA and host cell pre–mRNA. A possible regulatory mechanism of cellular RNA splicing by VA RNA. Naora H, et al. **Mol Biol Rep** 1981 May 22; 7(1–3):115–21

Evidence that the inhibitory effect of adenosine, but not cordycepin, on the methylation of nuclear RNA is mediated by S–adenosylhomocysteine hydrolase. Glazer RI, et al. **Mol Pharmacol** 1980 Nov;18(3):483–90

Effects of hypoxic and hormonal factors on ribonucleic acid content in spinal cord cells: comparison of the metabolic responses in neurons, perineuronal neuroglia and ependyma cells. Pevzner L. **Neuroscience** 1981;6(5):963–8

Comparison of polysomal and nuclear poly(A)–containing RNA populations from normal rat liver and Novikoff hepatoma. Capetanaki YG, et al. **Nucleic Acids Res** 1980 Jul 25;8(14):3193–214

A route to RNA with an alkylating group at the 5'–triphosphate residue. Grachev MA, et al. **Nucleic Acids Res** 1980 Aug 11;8(15):3413–26

DNA–RNA hybrid duplexes containing oligo(dA:rU) sequences are exceptionally unstable and may facilitate termination of transcription. Martin FH, et al. **Nucleic Acids Res** 1980 May 24;8(10):2295–9

Studies of RNA release reaction catalyzed by E. coli transcription termination factor rho using isolated ternary transcription complexes. Shigesada K, et al. **Nucleic Acids Res** 1980 Aug 11;8(15):3355–69

Subcompartments of the G1 phase of cell cycle detected by flow cytometry. Darzynkiewicz Z, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6696–9

Elongation of primed DNA templates by eukaryotic DNA polymerases. Ikeda JE, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):5827–31

Selective inhibition of Escherichia coli protein synthesis and growth by nonionic oligonucleotides complementary to the 3' end of 16S rRNA. Jayaraman K, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1537–41

Ligand–induced conformational changes in ribonucleic acids. Gassen HG. **Prog Nucleic Acid Res Mol Biol** 1980;24:57–86 (157 ref.)

Cytoplasmic zone analysis in the study of the polysomes of differentiated cells. Edström JE, et al. **Results Probl Cell Differ** 1980;11:139–46

On RNA action in differentiation: induction and differentiation of somites in chick embryo. Ranzi S. **Results Probl Cell Differ** 1980;11:191–5

Temporal changes of [3H]uridine and [14C]thymidine incorporation and total organ DNA and RNA in rat thymus. Petricevic M, et al. **Thymus** 1981 Apr;2(6):355–9

Characterization of the RNA associated with influenza A cytoplasmic inclusions and the interaction of NS1 protein with RNA. Yoshida T, et al. **Virology** 1981 Apr 15; 110(1):87–97

Effects of polynucleotides on production and activity of streptolysin S. Taketo Y, et al. **Z Naturforsch [C]** 1980 Jul–Aug;35(7–8):578–84

Labelling pattern of nuclear and messenger poly(A)–containing RNA from liver of triiodothyronine–treated rats. Cordone A, et al. **Ital J Biochem** 1981 Jan–Feb;30(1):1–8 **(eng)**

[Proteins, nucleic acids and acid hydrolases in the chick embryo tail bud] Lanot R. **C R Soc Biol (Paris)** 1980; 174(1):11–5 (Eng. Abstr.) **(Fre)**

[Synthesis and maturation of RNA after proliferative stimulation: comparison between fibroblasts and lymphocytes] Kaplan JG, et al. **Rev Can Biol** 1980 Mar; 39(1):21–33 (Eng. Abstr.) **(Fre)**

[RNA–metabolism in aging (author's transl)] Martin H, et al. **ZFA (Dresden)** 1980;35(1):13–9 (Eng. Abstr.) **(Ger)**

[Molecularbiology of ageing. 20th report: RNA–metabolism and aging—relations between pool of precursors and labelling of nuclear RNA–fractions (author's transl)] Muradjan CK, et al. **ZFA (Dresden)** 1980;35(2):155–64 **(Ger)**

[Nucleic acids in the liver of rat treated with 'E. coli' O 127 lipopolysaccharide (author's transl)] Rossolini A, et al. **Ann Sclavo** 1979 Nov–Dec;21(6):776–85 (Eng. Abstr.) **(Ita)**

[Desoxyribonucleid and ribonucleid acids and 5–hydroxytriptamine in the endometrium of patients with bleedings from the uterus (author's transl)] Grudzień M, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 1979; 34:363–9 (Eng. Abstr.) **(Pol)**

[RNA content and glucose–6–phosphatase activity in subcellular placental fractions in women with an uncomplicated pregnancy] Bulienko SD, et al. **Akush Ginekol (Mosk)** 1980 Dec;(12):9–11 (Eng. Abstr.) **(Rus)**

[Modification of the half–life of poly (A+)mRNA in liver and brain cells of the rat during embryogenesis and postnatal development] Khasigov PZ, et al. **Biokhimiia** 1980 Oct;45(10):1886–96 (Eng. Abstr.) **(Rus)**

[Effect of hypokinesia on nucleic acid and protein metabolism in the lymphoid organs of rats] Komolova GS. **Biull Eksp Biol Med** 1980 Nov;90(11):548–50 (Eng. Abstr.) **(Rus)**

[Nuclear and cytoplasmic RNA in visual cortex neurons of adult rats following visual deprivation and photic stimulation] Malinauskaite LD. **Biull Eksp Biol Med** 1980

Oct;90(10):492–4 (Eng. Abstr.) **(Rus)**

[Asymmetric histogram of nucleolar nucleic acid concentration as a potential index of ribosomal DNA amplification in rabbit cerebellar Purkinje cells] Mikeladze ZA, et al. **Biull Eksp Biol Med** 1980 Oct;90(10):485–7 (Eng. Abstr.) **(Rus)**

[Concentration of proteins and RNA in neurons and gliocytes of the rat locus coeruleus during natural sleep and REM-sleep deprivation] Demin NN, et al. **Fiziol Zh SSSR** 1980 Nov;66(11):1626–31 (Eng. Abstr.) **(Rus)**

[Inhibitory effect of phenazepam on protein and RNA catabolism in the supraoptic nucleus during REM-sleep deprivation] Demin NN, et al. **Fiziol Zh SSSR** 1981 Mar; 67(3):460–3 **(Rus)**

[Autoradiographic study of RNA synthesis and secretion into the cytoplasm during the early stages of liver regeneration] Gerasimova TB, et al. **Tsitol Genet** 1980 May–Jun; 14(3):77–82 (Eng. Abstr.) **(Rus)**

[Nucleic acid and protein concentration in the anterior horn cells of the spinal cord in rats during prolonged motor activity coupled with sleep deprivation] Malikov UM. **Tsitologiia** 1980 Jun;22(6):666–9 (Eng. Abstr.) **(Rus)**

[Relationship between temperature and the ratio of single-stranded to double-stranded nucleic acids in identified mollusk giant neurons] Mel'nikova EV, et al. **Tsitologiia** 1980 Apr;22(4):434–40 (Eng. Abstr.) **(Rus)**

[Action of sinusoidal modulated currents on nucleic acid metabolism in the skeletal muscles and the deoxyribonucleoprotein state of the brain neurons under physical load (an experimental study)] Sokolova ZA. **Vopr Kurortol Fizioter Lech Fiz Kult** 1980 Jul–Aug;(4):7–10 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Bioelectrical activity of the rat brain after premature weaning and after RNA administration. Pokorný J, et al. **Act Nerv Super (Praha)** 1980;22(4):254–63

Tissue and species-specific effects of small molecular weight nuclear RNA's on transcription in isolated mammalian nuclei. Liu WC, et al. **Can J Biochem** 1981 May; 59(5):343–52

The presence of RNA in a double helix inhibits its interaction with histone protein. Dunn K, et al. **Nucleic Acids Res** 1980 Feb 11;8(3):555–66

[Effect of exogenous RNA on the activity of poly(A).oligo(dT)-dependent DNA-polymerase in mouse tumors] Tomsons VP, et al. **Biokhimiia** 1980 Aug; 45(8):1412–6 (Eng. Abstr.) **(Rus)**

[Effect of exogenic thyroid RNA on cultured fragments of the dog thyroid] Garets VI, et al. **Probl Endokrinol (Mosk)** 1981 Jan–Feb;27(1):53–7 (Eng. Abstr.) **(Rus)**

[Overcoming nonsyngenic relations among interacting lympho-myeloid complex cells by using 'allogenic' RNA] Galaktionov VG, et al. **Zh Obshch Biol** 1980 Jul–Aug; 41(4):532–46 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Embryonic gene regulation: role of an inducer RNA in manipulation of embryonic gene functions. Siddiqui MA, et al. **Arch Biol Med Exp (Santiago)** 1979 OCT;12(3):331–48 (67 ref.)

Ribonucleic acid and other polyanions facilitate chromatin assembly in vitro. Nelson T, et al. **Biochemistry** 1981 Apr 28;20(9):2594–601

Cytoplasmic low molecular weight ribonucleic acid species of chick embryonic muscles, a potent inhibitor of messenger ribonucleic acid translation in vitro. Pluskal MG, et al. **Biochemistry** 1981 Mar 31;20(7):2048–55

Inhibition of tubulinyl-tyrosine carboxypeptidase by brain soluble RNA and proteoglycan. Argaraña CE, et al. **J Biol Chem** 1981 Jan 25;256(2):827–30

Small RNAs in HnRNP fibrils and their possible function in splicing. Gallinaro H, et al. **Mol Biol Rep** 1981 May 22;7(1–3):31–9 (70 ref.)

[Small RNAs of unknown functions (author's transl)] Ohshima Y. **Seikagaku** 1980;52(6):392–400 (65 ref.) **(Jpn)**

THERAPEUTIC USE

Studies on the mode of action of single-stranded polynucleotides which are antiviral against encephalomyocarditis virus infection of mice. Stebbing N. **Arch Virol** 1981;68(3–4):291–5

Prevention of adjuvant arthritis with ribonucleic acid: the salt versus the acid. Davis RH, et al. **J Am Podiatry Assoc** 1981 Sep;71(9):482–6

Antigenic differences among B16 melanoma variants selected for their differing abilities to metastasize: a possible mechanism for effective adjuvant immunotherapy. Steele G Jr, et al. **J Surg Oncol** 1980;15(1):71–83

[Clinical trial of the treatment of lung cancer with xenogeneic immune RNA (author's transl)] Wu SF, et al. **Chung Hua Chung Liu Tsa Chih** 1979;1(2):150–5 (Eng. Abstr.) **(Chi)**

[Clinical trials of xenogeneic 'immune' RNA in the treatment of liver cancer (author's transl)] Ye QW, et al. **Chung Hua Chung Liu Tsa Chih** 1980 Sep;2(3):177–82 (Eng. Abstr.) **(Chi)**

[Effect of sodium nucleinate on the clinical and immunological indicators in infectious-allergic bronchial asthma] Sil'vestrov VP, et al. **Ter Arkh** 1981;53(3):115–9 (Eng. Abstr.) **(Rus)**

[Use of sodium nucleinate in the overall therapy of viral hepatitis in children] Frolov VM, et al. **Vopr Okhr Materin Det** 1980 Sep;25(9):12–5 (Eng. Abstr.) **(Rus)**

[Nucleic acids and their therapeutic use (review of the literature)] Rychnev VE, et al. **Vrach Delo** 1981 Aug; (8):114–8 (52 ref.) **(Rus)**

[Detoxifying effect of RNA] Zemskov AM. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Mar;(3):80–4 (Eng. Abstr.) **(Rus)**

RNA, BACTERIAL

Differential effect of spermine on nuclear and cytoplasmic transfer RNA methyl transferases from Xenopus laevis Oocytes. Solari A, et al. **Arch Biol Med Exp (Santiago)** 1980 Nov;13(2):287–93

Primary structure of Bacillus subtilis tRNAsTyr. Menichi B, et al. **Biochem Biophys Res Commun** 1980 Jul 16; 95(1):461–7

Raman and 19F(1H) nuclear Overhauser evidence for a rigid solution conformation of Escherichia coli 5-fluorouracil 5S ribonucleic acid. Marshall AG, et al. **Biochemistry** 1980 Dec 23;19(26):5955–9

Distances between 3' ends of ribosomal ribonucleic acids reassembled into Escherichia coli ribosomes. Odom OW Jr, et al. **Biochemistry** 1980 Dec 23;19(26):5947–54

Tertiary structures of Escherichia coli tRNA as studied by NMR spectroscopy with 13C-labeling method. Yokoyama S, et al. **FEBS Lett** 1980 Sep 22;119(1):77–80

The hydrodynamic shape of Escherichia coli ribosome, its subunits and 16 S RNA. Allen SH. **J Am Med Wom Assoc** 1980 Jul;35(7):167–77

Physical characteristics of 16 S rRNA under reconstitution conditions. Tam MF, et al. **J Biol Chem** 1981 Jun 25; 256(12):6430–4

Ribosomal ribonucleic acid similarities in the classification of Rhodococcus and related taxa. Mordarski M, et al. **J Gen Microbiol** 1980 Jun;118(2):313–9

A functional hybrid ribosome binding site in tryptophan operon messenger RNA of Escherichia coli. Christie GE, et al. **J Mol Biol** 1980 Nov 5;143(3):335–41

A slow tritium exchange study of the solution structure of Escherichia coli 5 S ribosomal RNA. Farber NM, et al. **J Mol Biol** 1981 Feb 25;146(2):223–39

Accessibility and structure of ribosomal RNA monitored by slow tritium exchange of ribosomes. Farber NM, et al. **J Mol Biol** 1981 Feb 25;146(2):241–57

Structural characterization and in vitro processing of Escherichia coli ribosomal RNA transcripts containing 5-triphosphates, leader sequences, 16 S rRNA, and spacer tRNAs. Gegenheimer P, et al. **J Mol Biol** 1980 Nov 5; 143(3):227–57

Helix-coil dynamics in RNA: the amino acid acceptor helix of Escherichia coli phenylalanine transfer RNA. Hurd RE, et al. **J Mol Biol** 1980 Sep 15;142(2):181–93

Correlation between the abundance of Escherichia coli transfer RNAs and the occurrence of the respective codons in its protein genes. Ikemura T. **J Mol Biol** 1981 Feb 15; 146(1):1–21

Codon recognition by glycine transfer RNAs of Escherichia coli in vivo. Murgola EJ, et al. **J Mol Biol** 1980 Apr 25; 138(4):833–44

Identification of RNA molecules which contain 5 S ribosomal RNA and transfer RNA in an RNAase E-RNAase P-double mutant strain of Escherichia coli. Ray BK, et al. **J Mol Biol** 1980 May 25;139(3):329–48

Structure of transfer RNA by carbon NMR: resolution of single carbon resonances from 13C-enriched, purified species. Agris PF, et al. **Nucleic Acids Res** 1980 May 10; 8(9):2085–91

An experimentally-derived model for the secondary structure of the 16S ribosomal RNA from Escherichia coli. Glotz C, et al. **Nucleic Acids Res** 1980 Jun 11;8(11):2377–95

Conformational alteration of mRNA structure and the posttranscriptional regulation of erythromycin-induced drug resistance. Gryczan TJ, et al. **Nucleic Acids Res** 1980 Dec 20;8(24):6081–97

The 3'-terminal region of bacterial 23S ribosomal RNA: structure and homology with the 3'-terminal region of eukaryotic 28S rRNA and with chloroplast 4.5s rRNA. Machatt MA, et al. **Nucleic Acids Res** 1981 Apr 10; 9(7):1533–49

The conformation of a large RNA fragment from the E.coli ribosomal 16S-RNA. An X-ray and neutron small-angle scattering study. Osterberg R, et al. **Nucleic Acids Res** 1980 Dec 20;8(24):6221–31

Reconstitution of biologically active 50S ribosomal subunits with artificial 5S RNA molecules carrying disturbances in the base pairing within the molecular stalk. Raué HA, et al. **Nucleic Acids Res** 1981 Mar 11;9(5):1263–9

Attachment of protein affinity-labeling reagents of variable length and amino acid specificity to E. coli tRNAfMet. Schulman LH, et al. **Nucleic Acids Res** 1981 Mar 11; 9(5):1203–17

3' Terminal labelling of RNA of RNA with beta-32P-pyrophosphate group and its application to the sequence analysis of 5S RNA from Streptomyces griseus. Simoncsits A. **Nucleic Acids Res** 1980 Sep 25;8(18):4111–24

Nucleotide sequence analysis of precursor 5S RNA from Bacillus licheniformis. Stiekema WJ, et al. **Nucleic Acids Res** 1980 Oct 10;8(19):4535–41

Secondary structure model for bacterial 16S ribosomal RNA: phylogenetic, enzymatic and chemical evidence. Woese CR, et al. **Nucleic Acids Res** 1980 May 24;8(10):2275–93

Mechanism of translocation: relative arrangement of tRNA and mRNA on the ribosome. Matzke AJ, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5110–4

Secondary structure of 16S ribosomal RNA. Noller HF, et al. **Science** 1981 Apr 24;212(4493):403–11

ANALYSIS

Evaluation of base-pairing schemes for E. coli 5S RNA by 400 MHz proton nuclear magnetic resonance spectroscopy. Burns PD, et al. **Biochem Biophys Res Commun** 1980 Sep 30;96(2):805–11

Methylation patterns of mycoplasma transfer and ribosomal ribonucleic acid. Hsuchen CC, et al. **J Bacteriol** 1980 Dec; 144(3):991–8

Comparative macromolecular composition of filaments and rods of a Bacillus megaterium thermoconditional morphological mutant. Yan LP, et al. **J Bacteriol** 1980 Oct; 144(1):454–6

The araC regulatory gene mRNA contains a leader sequence. Cass LG, et al. **MGG** 1980;180(1):219–26

The role of the basic N-terminal region of protein L18 in 5S RNA-23S RNA complex formation. Newberry V, et al. **Nucleic Acids Res** 1980 Sep 25;8(18):4131–42

Predicting coding function from nucleotide sequence or survival of 'fitness' of tRNA. Pieczenik G. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3539–43

[Measurement of relative amount of E. coli tRNAs: codon choice in E. coli genes is largely constrained by the concentration of anticodons (author's transl)] Ikemura T. **Tanpakushitsu Kakusan Koso** 1980;25(7):668–78 (41 ref.) **(Jpn)**

BIOSYNTHESIS

Abortive initiation and long ribonucleic acid synthesis. Munson LM, et al. **Biochemistry** 1981 Apr 14;20(8):2081–5

Ribonucleic acid release activity of transcription termination protein rho is dependent on the hydrolysis of nucleoside triphosphates. Richardson JP, et al. **Biochemistry** 1980 Sep 2;19(18):4293–9

tRNA chemical methylation. In vitro and in vivo formation of 1,7-dimethylguanosine at high concentrations of methylating agents. Kanduc D. **Biochim Biophys Acta** 1981 Mar 26;653(1):9–17

Determination of the total rates of synthesis and degradation of RNA in a bacterial culture. Yamazaki H, et al. **Can J Microbiol** 1981 Feb;27(2):168–74

Effects of penicillin on macromolecular synthesis and surface growth of a tolerant streptococcus as studied by computer reconstruction methods. Higgins ML, et al. **J Bacteriol** 1980 Dec;144(3):1168–73

Role of ribonucleic acid synthesis in conjugational transfer of chromosomal and plasmid deoxyribonucleic acids. Maturin LJ Sr, et al. **J Bacteriol** 1981 May;146(2):552–63

Effects of starvation for potassium and other inorganic ions on protein degradation and ribonucleic acid synthesis in Escherichia coli. St. John AC, et al. **J Bacteriol** 1980 Sep; 143(3):1223–33

Ribonucleic acid synthesis during fruiting body formation in Myxococcus xanthus. Smith BA, et al. **J Bacteriol** 1981 Apr;146(1):312–20

Macromolecular syntheses in an Escherichia coli adk mutant. Suit JL, et al. **J Bacteriol** 1980 Oct;144(1):468–72

Stringent control of RNA synthesis in the absence of guanosine 5'-diphosphate-3'-diphosphate. Pao CC, et al. **J Biol Chem** 1981 Mar 10;256(5):2252–7

Characterization of Bacillus subtilis mutants temperature-sensitive in the synthesis of ribonucleic acid. Mazza G, et al. **J Gen Microbiol** 1980 Oct;120(Pt 2):539–43

A novel link between the biosynthesis of aromatic amino acids and transfer RNA modification in Escherichia coli. Björk GR. **J Mol Biol** 1980 Jul 5;140(3):391–410

ATP-induced changes in the binding of RNA synthesis termination protein Rho to RNA. Galluppi GR, et al. **J Mol Biol** 1980 Apr 15;138(3):513–39

Control of ribosomal RNA synthesis in Escherichia coli. V. Stimulation of rrnC gene transcription in vitro by a protein factor. Muto A. **MGG** 1981;181(1):69–73

Effect of 2-phenoxyethanol upon RNA, DNA and protein biosynthesis in Escherichia coli NCTC 5933. Gilbert P, et al. **Microbios** 1980;28(111):7–17

Synthesis of macromolecules in synchronously grown Arthrobacter. Lefebvre G, et al. **Microbios** 1980; 27(108):97–105

Noncoordinate control of the synthesis of different species of RNA in Escherichia coli K12 during uridine starvation. Bhattacharya S, et al. **Mol Biol Rep** 1980 Jul 31;6(2):73–7

[Synthesis of poly(A)-containing RNA in outgrowing spores of Bacillus subtilis] Hecker M, et al. **Z Allg Mikrobiol** 1981; 21(1):35–40 (Eng. Abstr.) **(Ger)**

[Guanosine polyphosphate concentration and stable RNA synthesis in Bacillus subtilis following suppression of protein synthesis] Belitskiĭ BR, et al. **Mol Biol (Mosk)** 1980 Nov–Dec;14(6):1342–53 (Eng. Abstr.) **(Rus)**

[Formation of specific T3-RNA-polymerase complexes with oligoribonucleotides and inhibition of DNA-dependent RNA synthesis] Efimova LIu, et al. **Mol Biol (Mosk)** 1980

Jul-Aug;14(4):734-42 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Studies on transfer ribonucleic acids and related compounds. XXXIV. Stepwise diester or partial triester synthesis of penta- to octanucleotides corresponding to residues 41--46, 47--54, 61--65 and 66--71 of tRNAfMet of E. coli. Ohtsuka E, et al. **Chem Pharm Bull (Tokyo)** 1980 Aug; 28(8):2450-9

GENETICS

RNA-polymerase binding at the promoters of the rRNA genes of Escherichia coli. Kiss I, et al. **Biochim Biophys Acta** 1980 Oct 17;609(3):435-47

Insertions of Tn 10 into an E. coli ribosomal RNA operon are incompletely polar. Morgan EA. **Cell** 1980 Aug; 21(1):257-65

Processing of bacterial RNA. Apirion D, et al. **FEBS Lett** 1981 Mar 9;125(1):1-9 (55 ref.)

A 5.8 S rRNA-like sequence in prokaryotic 23 S rRNA. Nazar RN. **FEBS Lett** 1980 Oct 6;119(2):212-4

Organization of transfer ribonucleic acid genes in the Escherichia coli chromosome. Campen RK, et al. **J Bacteriol** 1980 Dec;144(3):1083-93

Transcription of exogenous and endogenous deoxyribonucleic acid templates in cold-shocked Bacillus subtilis. Kuhl SJ, et al. **J Bacteriol** 1980 Sep;143(3):1345-52

Studies on the E. coli groNB (nusB) gene which affects bacteriophage lambda N gene function. Georgopoulos CP, et al. **MGG** 1980;179(1):55-61

Role of RNA transcripts in replication incompatibility and copy number control in antibiotic resistance plasmid derivatives. Rosen J, et al. **Nature** 1981 Apr 30; 290(5809):794-7

In vivo and in vitro detection of the leader RNA of the histidine operon of Escherichia coli K-12. Frunzio R, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):2767-71

[Structure of tRNA genes in E coli (author's transl)] Sekiya T. **Seikagaku** 1980;52(4):221-35 (42 ref.) **(Jpn)**

IMMUNOLOGY

Serotype-nonspecific protection induced by ribonucleic acid isolated from the ribosomal vaccine of Pseudomonas aeruginosa. Gonggrijp R, et al. **Infect Immun** 1981 Jul; 33(1):178-85

[Endotoxic contamination of biological products (ribosomal vaccines, viral vaccines and interferon)] Fumarola D, et al. **G Batteriol Virol Immunol** 1979 Jan-Jun;72(1-6):72-7 (Eng. Abstr.) **(Ita)**

ISOLATION & PURIFICATION

A simple multiwell tray for manipulation of radiolabeled nucleic acids on filter disks. Hayward RS. **Anal Biochem** 1980 Nov 1;108(2):282-4

Rapid and simple removal of contaminating RNA from plasmid DNA without the use of RNase. Norgard MV. **Anal Biochem** 1981 May 1;113(1):34-42

Preparation procedures of proteins and RNA influence the total reconstitution of 50S subunits from E. coli ribosomes. Nowotny V, et al. **Nucleic Acids Res** 1980 Mar 11; 8(5):989-98

Preparative scale fractionation of Escherichai coli robosomal RNA and transfer RNA on Sjepharose 6B. Hellman U, et al. **Prep Biochem** 1980;10(4):375-86

[Isolation and physical study of the 13S fragment of 16S RNA and its complex with ribosomal protein S4] Shpungin IL, et al. **Mol Biol (Mosk)** 1980 Jul-Aug;14(4):939-50 (Eng. Abstr.) **(Rus)**

METABOLISM

The stringent response to unacylated tRNA, energy-and temperature-downshift in Bacillus stearothermophilus. Fehr S, et al. **Arch Microbiol** 1981 Mar;129(1):29-31

The synthesis of some proteins is affected in RNA processing mutants of Escherichia coli. Gitelman DR, et al. **Biochem Biophys Res Commun** 1980 Oct 16;96(3):1063-70

Stimulation by polyamines of enzymatic methylation of two adjacent adenines near the 3' and end of 16S ribosomal RNA of Escherichia coli. Igarashi K, et al. **Biochem Biophys Res Commun** 1980 Sep 30;96(2):678-84

Nonenzymic translocation and spontaneous release of noncognate peptidyl transfer ribonucleic acid from Escherichia coli ribosomes. Cabañas MJ, et al. **Biochemistry** 1980 Nov 11;19(23):5411-6

Interaction of Escherichia coli host factor protein with Q beta ribonucleic acid. de Haseth PL, et al. **Biochemistry** 1980 Dec 23;19(26):6146-51

Regulation of small RNAs in Escherichia coli. Alteration in the intracellular concentrations of small RNAs during amino acid and energy starvation. Pao CC, et al. **Biochim Biophys Acta** 1981 Mar 26;653(1):1-8

RNA-protein complexes identified by crosslinking of polysomes. Sköld SE. **Biochimie** 1981 Jan;63(1):53-60

Metabolism of the nucleic acids of rumen bacteria by preruminant and ruminant lambs. Razzaque MA, et al. **Br J Nutr** 1981 May;45(3):517-27

Relationship between methylation of adenine near the 3' end of 16-S ribosomal RNA and the activity of 30-S ribosomal subunits. Igarashi K, et al. **Eur J Biochem** 1981 Jan; 113(3):587-93

Chlorambucil [3H]phenylalanyl-tRNA crosslinking to 50 S ribosomal subunit proteins L4, L26--27 and L18--20. Wickstrom E, et al. **FEBS Lett** 1981 Jan 26;123(2):273-6

Thiomethylation of tyrosine transfer ribonucleic acid is associated with initiation of sporulation in Bacillus subtilis: effect of phosphate concentration. Buu A, et al. **J Bacteriol** 1981 May;146(2):819-22

Formylation of methionyl-transfer ribonucleic acid in Mycoplasma mycoides subsp. mycoides. Neale GA, et al. **J Bacteriol** 1981 May;146(2):816-8

I-like R plasmids promote degradation of stable ribonucleic acid in Escherichia coli. Ohnishi Y, et al. **J Bacteriol** 1980 Nov;144(2):833-5

Evidence for random endonucleolytic cleavages between messages in decay of Escherichia coli trp mRNA. Lim LW, et al. **J Mol Biol** 1980 Aug 5;141(2):227-33

Nucleotide sequence of Lactobacillus viridescens 5S RNA. Alexander LJ, et al. **Nucleic Acids Res** 1980 Mar 11; 8(5):979-87

Characterization of the Escherichia coli 23S Ribosomal RNA region associated with ribosomal protein L1. Evidence for homologies with the 5'-end region of the L11 operon. Branlant C, et al. **Nucleic Acids Res** 1980 Dec 11; 8(23):5567-77

Two kinetically distinct tRNAile isoacceptors in Escherichia coli C6. Harris CL, et al. **Nucleic Acids Res** 1980 May 10;8(9):2023-37

Sequence analysis and in vitro maturation of five precursor 5S RNAs from Bacillus Q. Stiekema WJ, et al. **Nucleic Acids Res** 1980 May 24;8(10):2193-211

Structural features of Bacillus precursor 5S RNA involved in the interaction with RNAase M5. Stiekema WJ, et al. **Nucleic Acids Res** 1980 Nov 25;8(22):5411-21

RADIATION EFFECTS

Localisation of a series of intra-RNA cross-links in 16S RNA, induced by ultraviolet irradiation of Escherichia coli 30S ribosomal subunits. Zwieb C, et al. **Nucleic Acids Res** 1980 Jun 11;8(11):2397-411

RNA CAP ANALOGS see under **RNA CAPS**

RNA CAPS

Simian virus 40 early mRNA's in lytically infected and transformed cells contain six 5'-terminal caps. Kahana C, et al. **J Virol** 1981 Jan;37(1):7-16

On the base-stacking in the 5'-terminal cap structure of mRNA: a fluorescence study. Nishimura Y, et al. **Nucleic Acids Res** 1980 Mar 11;8(5):1107-19

ANALYSIS

Analysis of mRNA 5'-terminal cap structures and internal N6-methyladenosine by reversed-phase high-performance liquid chromatography. Albers RJ, et al. **Anal Biochem** 1981 May 1;113(1):118-23

Localization of three major cappe 5' ends of polyoma virus late mRNA's within a single tetranucleotide sequence in the viral genome. Flavell AJ, et al. **J Virol** 1980 Feb; 33(2):902-8

Characterization of the 5'-terminal cap structures of early simian virus 40 mRNA. Haegeman G, et al. **J Virol** 1980 Sep;35(3):955-61

Presence of the cap-binding protein in initiation factor preparations from poliovirus-infected HeLa cells. Hansen J, et al. **J Virol** 1981 May;38(2):438-45

Macromolecular synthesis in cells infected by frog virus 3. XIV. Characterization of the methylated nucleotide sequences in viral messenger RNAs. Raghow R, et al. **Virology** 1980 Nov;107(1):283-94

BIOSYNTHESIS

Reovirus core particles synthesize capped oligonucleotides as a result of abortive transcription. Zarbl H, et al. **Arch Biochem Biophys** 1980 Jul;202(2):348-60

Process of cap formation of messenger RNA by vaccinia virus particles carrying an organized enzymes system. Urushibara T, et al. **J Gen Virol** 1981 Jan;52(Pt 1):49-59

Polyadenylation, methylation, and capping of the RNA synthesized in vitro by African swine fever virus. Salas ML, et al. **Virology** 1981 Sep;113(2):484-91

CHEMICAL SYNTHESIS

A new approach to the synthesis of oligoribonucleotides bearing 'cap' structure. Hata T, et al. **Nucleic Acids Symp Ser** 1980;(7):151-6

GENETICS

Two forms of purified m7G-cap binding protein with different effects on capped mRNA translation in extracts of uninfected and poliovirus-infected HeLa cells. Tahara SM, et al. **J Biol Chem** 1981 Aug 10;256(15):7691-4

In vitro transcription of the inverted terminal repetition of the vaccinia virus genome: correspondence of initiation and cap sites. Venkatesan S, et al. **J Virol** 1981 Feb;37(2):738-47

Early capping of transcripts from the adenovirus major late transcription unit. Babich A, et al. **Nature** 1980 Sep 18; 287(5779):246-8

Both the 7-methyl and the 2'-O-methyl groups in the cap of mRNA strongly influence its ability to act as primer for influenza virus RNA transcription. Bouloy M, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):3952-6

METABOLISM

The cap structure in eukaryotic messenger RNA as a mark of a strand carrying protein information. Miura K. **Adv Biophys (Tokyo)** 1981;14:205-38 (68 ref.)

Immunospecific binding of capped mRNA of reovirus by an antibody to a cap structures; m7G(5')pppGm. Nakazato H. **Biochem Biophys Res Commun** 1980 Sep 16;96(1):400-7

An mRNA decapping enzyme from ribosomes of Saccharomyces cerevisiae. Stevens A. **Biochem Biophys Res Commun** 1980 Oct 16;96(3):1150-5

Initiation of reovirus transcription by inosine 5'-triphosphate and properties of 7-methylinosine-capped, inosine-substituted messenger ribonucleic acids. Morgan MA, et al. **Biochemistry** 1980 Dec 23;19(26):5960-6

A unique cap(m7GpppXm)-dependent influenza virion endonuclease cleaves capped RNAs to generate the primers that initiate viral RNA transcription. Plotch SJ, et al. **Cell** 1981 Mar;23(3):847-58

In vitro translation in reovirus- and poliovirus-infected cell extracts. Effects of anti-cap binding protein monoclonal antibody. Sonenberg N, et al. **J Biol Chem** 1981 May 10; 256(9):4138-41

Simian virus 40 early mRNA's in lytically infected and transformed cells contain six 5'-terminal caps. Kahana C, et al. **J Virol** 1981 Jan;37(1):7-16

ATP/Mg++-dependent cross-linking of cap binding proteins to the 5' end of eukaryotic mRNA. Sonenberg N. **Nucleic Acids Res** 1981 Apr 10;9(7):1643-56

Specific in vitro initiation of transcription of simian virus 40 early and late genes occurs at the various cap nucleotides including cytidine. Gidoni D, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2174-8

Mouse beta-globin and adenovirus-2 major late transcripts are initiated at the cap site in vitro. Hagenbüchle O, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2283-6

Mechanism of mRNA capping by vaccinia virus guanylyltransferase: characterization of an enzyme--guanylate intermediate. Shuman S, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):187-91

Alteration of the 5' terminal caps of the mRNAs of vesicular stomatitis virus by cycloleucine in vivo. Moyer SA. **Virology** 1981 Jul 15;112(1):157-68

PHARMACODYNAMICS

Influence of m7GpppN mRNA caps on lens protein synthesis and on mRNA binding to ribosomes in a homologous lens translation system derived from embryonic chick lens cells. Lavers GC. **Exp Eye Res** 1980 Jun;30(6):747-50

PHYSIOLOGY

Priming and inhibitory activities of RNAs for the influenza viral transcriptase do not require base pairing with the virion template RNA. Krug RM, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):5874-8

RNA-DEPENDENT DNA POLYMERASE see **REVERSE TRANSCRIPTASE**

RNA, DOUBLE-STRANDED

Denaturation and renaturation of Penicillium chrysogenum mycophage double-stranded ribonucleic acid in tetraalkylammonium salt solutions. Wetmur JG, et al. **Biochemistry** 1981 May 26;20(11):2999-3002

The effects of base sequence and dangling bases on the stability of short ribonucleic acid duplexes. Neilson T, et al. **Nucleic Acids Symp Ser** 1980;(7):293-311

Biophysical studies of reovirus type 3. IV. Low-angle x-ray diffraction studies. Harvey JD, et al. **Virology** 1981 Jul 15; 112(1):240-9

[Thermodynamic characteristics of nucleic acid complexes with silver ions] Minasian KA, et al. **Biofizika** 1981 May-Jun;26(3):404-10 (Eng. Abstr.) **(Rus)**

[Specific reaction between oligovaline and nucleic acids] Strel'tsov SA, et al. **Biofizika** 1980 Sep-Oct;25(5):929-41 (Eng. Abstr.) **(Rus)**

[Compact particles of double-stranded polyribonucleotides. I. Conditions for the formation of optically active compact double-stranded RNA particles] Lortkipanidze GB, et al. **Mol Biol (Mosk)** 1980 Nov-Dec;14(6):1378-86 (Eng. Abstr.) **(Rus)**

[Study of fusion of bacteriophage f2 double-stranded RNA, poly(A).poly(U), and poly(G).poly(C) in the presence of tetraethylammonium bromide] Permogorov VI, et al. **Mol Biol (Mosk)** 1980 Sep-Oct;14(5):1013-8 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

[Interferon inducer in the treatment of viral dermatoses] Bukhvald I, et al. **Vestn Dermatol Venerol** 1981 Mar; (3):69-70 **(Rus)**

ANALYSIS

Immunofluorescent detection of double-stranded RNA in cells infected with reovirus, infectious pancreatic necrosis virus, and infectious bursal disease virus. Macdonald RD. **Can J Microbiol** 1980 Feb;26(2):256-61

Characterization of T4 double-stranded RNA by equilibrium centrifugation in Cs2SO4- and alkaline iodide gradients. Helland DE. **FEBS Lett** 1980 Aug 11;117(1):79–83

Electrophoretic fractionation of the double-stranded RNA genome of rice ragged stunt virus. Boccardo G, et al. **Intervirology** 1980;14(1):57–60

A rapid and sensitive method for analysing the genome profiles of field isolates of rotavirus. Clarke IN, et al. **J Virol Methods** 1981 Mar;2(4):203–9

Immunochemical detection of ds-RNA in healthy and virus-infected plants and specific detection of viral ds-RNA by hybridization to labelled complementary DNA. Gould AR, et al. **J Virol Methods** 1981 Apr; 2(5):277–86

Structural investigation of nuclear RNP particles containing pre-mRNA by different fluorescence techniques. Borissova OF, et al. **Nucleic Acids Res** 1981 Feb 11;9(3):663–81

[Family of double-stranded RNA's in the nuclei of Drosophila melanogaster cells cultivated in vitro] Kul'guskin VV, et al. **Dokl Akad Nauk SSSR** 1980; 252(6):1505–6 **(Rus)**

[Double-helical structures in the make up of poly(A)-containing RNA of rat liver cells. Effect of cortisone] Konstantinova IM, et al. **Mol Biol (Mosk)** 1980 Nov-Dec;14(6):1354–61 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Similar sets of terminal oligonucleotides from reovirus double-stranded RNA and viral messenger RNA synthesized in vitro. Hastings KE, et al. **Can J Biochem** 1981 Mar;59(3):151–7

Semi-conservative transcription of double-stranded RNA catalyzed by bacteriophage phi 6 RNA polymerase. Emori Y, et al. **J Biochem (Tokyo)** 1980 Dec;88(6):1569–75

[Virus-specific double-stranded RNA in the composition of the microsomal RNA of Rous sarcoma cells] Perevozchikov AP, et al. **Dokl Akad Nauk SSSR** 1981; 256(4):987–9 **(Rus)**

[Reiterated genes scattered among the chromosomes of Drosophila melangoaster with varying locations. V. Nature of self-complementary RNA sequences transcribed from chromosomal DNA] Khmeliauskaite VG, et al. **Genetika (Moskva)** 1980;16(9):1535–50 (Eng. Abstr.) **(Rus)**

BLOOD

Regulation of protein synthesis in rabbit reticulocyte lysates: purification and initial characterization of the double stranded RNA activated protein kinase. Ranu RS. **Biochem Biophys Res Commun** 1980 Nov 17;97(1):252–62

GENETICS

The structure and function of the reovirus genome. Joklik WK. **Ann NY Acad Sci** 1980;354:107–24 (73 ref.)

The killer phenomenon in Ustilago: electron microscopy of the dsRNA encapsidated in individual virus particles. Koltin Y, et al. **Arch Microbiol** 1980 Nov;128(1):45–52

A new type of virus from cultured Drosophila cells: characterization and use in studies of the heat-shock response. Scott MP, et al. **Cell** 1980 Dec;22(3):929–41

Mobile dispersed genetic elements and other middle repetitive DNA sequences in the genomes of Drosophila and mouse: transcription and biological significance. Georgiev GP, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 2:641–54

Replication of double-stranded RNA of the virus-like particles in Saccharomyces cerevisiae. Newman AM, et al. **J Virol** 1981 Apr;38(1):263–71

The nucleotide sequence of the ubiquitous repetitive DNA sequence B1 complementary to the most abundant class of mouse fold-back RNA. Krayev AS, et al. **Nucleic Acids Res** 1980 Mar 25;8(6):1201–15

The structure of poliovirus replicative form. Larsen GR, et al. **Nucleic Acids Res** 1980 Mar 25;8(6):1217–29

Reassortment of genome segments between reovirus defective interfering particles and infectious virus: construction of temperature-sensitive and attenuated viruses by rescue of mutations from DI particles. Ahmed R, et al. **Virology** 1981 Jun;111(2):351–63

Genome of Colorado tick fever virus. Knudson DL. **Virology** 1981 Jul 15;112(1):361–4

[Certain properties of transcribed fragments of the mouse genome cloned in plasmid pBR322] Tokarskaia ON, et al. **Genetika (Moskva)** 1980;16(10):1741–52 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Antibodies against double-stranded RNA in patients with rheumatoid arthritis, osteoarthrosis and Paget's disease of bone. Kalmakoff J, et al. **Aust NZ J Med** 1981 Apr; 11(2):173–8

Determination of antibodies of double-stranded RNA by enzyme-linked immunosorbent assay (ELISA). Field AK, et al. **Proc Soc Exp Biol Med** 1980 Sep;164(4):524–9

ISOLATION & PURIFICATION

Superkiller yeast strain contains additional species of double-stranded RNA. Brizzard BL, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1449–55

Double-stranded sequences in RNA of Drosophila melanogaster: relation to mobile dispersed genes. Ilyin YV, et al. **Nucleic Acids Res** 1980 Aug 11;8(15):3439–57

METABOLISM

Double-stranded RNA and the enzymology of interferon action. Lengyel P, et al. **Ann NY Acad Sci** 1980;350:441–7

Inhibition of double-stranded ribonucleic acid activated protein kinase and 2',5'-oligo(adenylic acid) polymerase by ethidium bromide. Baglioni C, et al. **Biochemistry** 1981 Feb 17;20(4):758–62

Role of 2',5'-oligo(adenylic acid) polymerase in the degradation of ribonucleic acid linked to double-stranded ribonucleic acid by extracts of interferon-treated cells. Nilsen TW, et al. **Biochemistry** 1980 Nov 25;19(24):5574–9

Constrained configuration of double-stranded ribonucleic acid in HeLa hnRNP and its relaxation by ribonuclease D. Paoletti J, et al. **Biochemistry** 1980 Nov 11;19(23):5223–8

Ionic control of enzymic degradation of double-stranded RNA. Sorrentino S, et al. **Biochim Biophys Acta** 1980 Aug 26;609(1):40–52

Double-stranded RNA dependent protein kinase (s) in rabbit reticulocyte lysates analogous to kinase from interferon-treated cells. Hovanessian AG. **Biochimie** 1980; 62(11–12):775–8

Characterization of purified double-stranded RNA-activated eIF-2 alpha kinase from rabbit reticulocytes. Levin DH, et al. **J Biol Chem** 1981 Jul 25;256(14):7638–41

Double-stranded RNA. Libonati M, et al. **Mol Cell Biochem** 1980 Aug 16;31(3):147–64 (190 ref.)

Transcription of killer virion double-stranded RNA in vitro. Welsh D, et al. **Nucleic Acids Res** 1980 Jun 11; 8(11):2365–75

Purification and properties of the double-stranded RNA-activated eukaryotic initiation factor 3 kinase from rabbit reticulocytes. Grosfeld H, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6526–30

Cross-linking of viral RNA by 4'-aminomethyl-4,5',8-trimethylpsoralen in HeLa cells infected with encephalomyocarditis virus and the tsG114 mutant of vesicular stomatitis virus. Nilsen TW, et al. **Virology** 1981 Feb;109(1):82–93

PHARMACODYNAMICS

Messenger ribonucleic acid specificity in the inhibition of eukaryotic translation by double-stranded ribonucleic acid. Rosen H, et al. **Biochemistry** 1981 May 26;20(11):3011–20

Interferons, double-stranded RNA, and RNA degradation. Isolation and characterization of homogeneous human (2'-5')(a)n synthetase. Yang K, et al. **J Biol Chem** 1981 Sep 10;256(17):9324–8

Immunoregulatory activity of double-stranded RNA (BRL 5907): effect of murine adherent peritoneal exudate cells on lymphocyte response. Cook RM. **J Reticuloendothel Soc** 1980 Oct;28(4):313–25

Induction of circulating interferon in calves with three different types of double stranded ribonucleic acid. Knight DJ, et al. **Res Vet Sci** 1980 May;28(3):386–8

RNA, FUNGAL

Chemical modification of ribonucleic acid. A direct study by carbon-13 nuclear magnetic resonance spectroscopy. Chang C, et al. **Biochemistry** 1981 Apr 28;20(9):2657–61

Isolation and identification of cross-links from formaldehyde-treated nucleic acids. Chaw YF, et al. **Biochemistry** 1980 Nov 25;19(24):5525–31

Denaturation and renaturation of Penicillium chrysogenum mycophage double-stranded ribonucleic acid in tetraalkylammonium salt solutions. Wetmur JG, et al. **Biochemistry** 1981 May 26;20(11):2999–3002

Conformational changes of yeast tRNAPhe upon interaction with intercalators probed by nuclease digestion. Nielsen PE. **Biochim Biophys Acta** 1981 Aug 27;655(1):89–95

Frequency and diversity of RNA sequences in different cell types of the fungus Schizophyllum commune. Zantinge B, et al. **Eur J Biochem** 1981 Jan;113(2):381–9

Organization of the ribosomal RNA gene cluster in the yeast Saccharomyces cerevisiae. Kaback DB, et al. **J Mol Biol** 1980 Apr 25;138(4):745–54

Crystal structure of yeast tRNAAsp. Moras D, et al. **Nature** 1980 Dec 25;288(5792):669–74

The nucleotide sequence of 5S rRNA from a cellular slime mold Dictyostelium discoideum. Hori H, et al. **Nucleic Acids Res** 1980 Dec 11;8(23):5535–9

Nucleotide sequence of 5S ribosomal RNA from Aspergillus nidulans and Neurospora crassa. Piechulla B, et al. **Nucleic Acids Res** 1981 Mar 25;9(6):1445–50

ANALYSIS

Fluctuation in polyadenylate size and content in exponential- and stationary-phase cells of Saccharomyces cerevisiae. Sogin SJ, et al. **J Bacteriol** 1980 Oct;144(1):74–81

A rapid method for mapping exposed cytosines in polyribonucleotides. Application to tRNATrp (yeast, beef liver). Mashkova TD, et al. **Mol Biol Rep** 1980 Jul 31; 6(2):83–7

BIOSYNTHESIS

Nogalamycin inhibits ribonucleic acid synthesis in growing and developing cells of the slime mold Dictyostelium discoideum. Ennis HL. **Antimicrob Agents Chemother** 1981 Apr;19(4):657–65

Effect of microtubule-disrupting drugs on protein and RNA synthesis in Physarum polycephalum amoebae. Bernstam VA, et al. **Arch Microbiol** 1980 Nov;128(1):34–40

Inefficiency of the stringent response in the fungus Mucor. Orlowski M. **Biochem Biophys Res Commun** 1980 Aug 14; 95(3):1001–9

Polypeptide synthesis during protoplasmic incompatibility in the fungus Podospora anserina. Boucherie H, et al. **Biochim Biophys Acta** 1981 Mar 26;653(1):18–26

Reduction of ribosome activity and synthesis of stable RNA in Neurospora crassa. Martegani E, et al. **Biochim Biophys Acta** 1980 Dec 11;610(2):318–30

Effects of 2-deoxy-D-glucose on the synthesis of RNA and protein in Saccharomyces carlsbergensis G-517. Parra F, et al. **Biochim Biophys Acta** 1980 Nov 14;610(1):141–6

Sequential cord-sensitive mutations in Aspergillus fumigatus. III. Mechanism of cold sensitivity. Arseneau AJ, et al. **Can J Microbiol** 1981 Mar;27(3):304–10

Dimeric transfer RNA precursors in S. pombe. Mao J, et al. **Cell** 1980 Sep;21(2):509–16

Inhibition of RNA synthesis in yeast protoplasts by a peptide factor from Tetrahymena cells. Andersen HA, et al. **Cell Biol Int Rep** 1981 Feb;5(2):187–94

Thiopyronine-sensitized photodynamic effect on RNA synthesis in Saccharomyces cells in vivo. Lochmann ER, et al. **Int J Radiat Biol** 1981 Jul;40(1):1–9

Pattern of ribonucleic acid synthesis during germination of Allomyces macrogynus mitospores. Smith BA, et al. **J Bacteriol** 1980 Sep;143(3):1353–61

Significance of ribosomal ribonucleic acid synthesis for control of the G1 period in the cell cycle of the heterobasidiomycetous yeast Rhodosporidium toruloides. Yamashita I, et al. **J Bacteriol** 1980 Nov;144(2):772–80

[Dependence of RNA synthesis in the cell of Physarum polycephalum on concentration and activity of RNA-polymerase II] Kostiuchenko VI, et al. **Biokhimiia** 1981 Feb;46(2):327–32 (Eng. Abstr.) **(Rus)**

GENETICS

Ribonucleic acid splicing in Neurospora Mitochondria: secondary structure of the 35S ribosomal precursor ribonucleic acid investigated by digestion with ribonuclease III and by electron microscopy. Grimm MF, et al. **Biochemistry** 1981 May;20(10):2836–42

Mitochondrial tRNA gene clusters in Aspergillus nidulans: organization and nucleotide sequence. Köchel HG, et al. **Cell** 1981 Feb;23(2):625–33

Dispersed 5S RNA genes in N. crassa: structure, expression and evolution. Selker EU, et al. **Cell** 1981 Jun;24(3):819–28

Dictyostelium small nuclear RNA D2 is homologous to rat nucleolar RNA U3 and is encoded by a dispersed multigene family. Wise JA, et al. **Cell** 1980 Nov;22(1 Pt 1):109–18

Molecular cloning and selection of genes regulated in Aspergillus development. Zimmermann CR, et al. **Cell** 1980 Oct;21(3):709–15

Studies on the transposable element Ty1 of yeast. I. RNA homologous to Ty1. II. Recombination and expression of Ty1 and adjacent sequences. Elder RT, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 2:581–91

Structure of the 5-S ribosomal RNA gene and its adjacent regions in Torulopsis utilis. Tabata S. **Eur J Biochem** 1980 Sep;110(1):107–14

Genetic analysis of Saccharomyces cerevisiae transformed by plasmid containing a supressor transfer ribonucleic acid gene. Thomas DY, et al. **J Bacteriol** 1980 Sep; 143(3):1179–86

Identification of an actin-like protein and of its messenger ribonucleic acid in Saccharomyces cerevisiae. Water RD, et al. **J Bacteriol** 1980 Dec;144(3):1143–51

The nucleotide sequence of phenylalanine tRNA from the cytoplasm of Neurospora crassa. Alzner-DeWeerd B, et al. **Nucleic Acids Res** 1980 Mar 11;8(5):1023–32

Intervening sequences in a Dictyostelium gene that encodes a low abundance class mRNA. Kimmel AR, et al. **Nucleic Acids Res** 1980 Dec 11;8(23):5599–610

Structure of a yeast non-initiating methionine-tRNA gene. Olah J, et al. **Nucleic Acids Res** 1980 May 10;8(9):1975–86

A phenylalanine tRNA gene from Neurospora crassa: conservation of secondary structure involving an intervening sequence. Selker E, et al. **Nucleic Acids Res** 1980 Mar 11;8(5):1033–42

Directed deletion of a yeast transfer RNA intervening sequence. Wallace RB, et al. **Science** 1980 Sep 19; 209(4463):1396–400

ISOLATION & PURIFICATION

Isolation of developmentally regulated genes from Dictyostelium. Rowekamp W, et al. **Dev Biol** 1980 Oct; 79(2):409–18

Fluorographic detection of nucleic acids labelled with weak beta-emitters in gels containing high acrylamide concentrations. Joshi S, et al. **FEBS Lett** 1980 Aug 25; 118(1):43–6

METABOLISM

Synthesis and stability of developmentally regulated dictyostelium mRNAs are affected by cell--cell contact and cAMP. Chung S, et al. **Cell** 1981 Jun;24(3):785–97

Timing of ribosome synthesis during ascosporogenesis of yeast cells: evidence for early function of haploid daughter

genomes. Emanuel JR, et al. **J Bacteriol** 1981 Mar; 145(3):1342–50

Properties of polyadenylate-associated ribonucleic acid from Saccharomyces cerevisiae ascospores. Harper JF, et al. **J Bacteriol** 1980 Aug;143(2):958–65

Messenger ribonucleic acid and protein metabolism during sporulation of Saccharomyces cerevisiae. Kraig E, et al. **J Bacteriol** 1980 Dec;144(3):1098–1112

The electrostatic molecular potential of yeast tRNAPhe. (I). The potential due to the phosphate backbone. Lavery R, et al. **Nucleic Acids Res** 1980 Mar 11;8(5):1061–79

[Crystallization of the complex formed between yeast aspartyl tRNA and its specific aminoacyl tRNA synthetase] Giegé R, et al. **C R Acad Sci [D] (Paris)** 1980 Sep 29; 291(4):393–6 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

[Histochemical study of sodium nucleinate-activated peritoneal macrophages] Shcherbakova EG, et al. **Antibiotiki** 1981 Mar;26(3):119–23 (Eng. Abstr.) **(Rus)**

[Effect of polyanions on macrophage-lymphocyte interaction] Lysenko AI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Feb;(2):84–7 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Photo-induced crosslinking between phenylalanine transfer RNA and messenger RNA on the Escherichia coli ribosome. Matzke AJ, et al. **Eur J Biochem** 1980 Nov; 112(1):169–78

RNA, HETEROGENEOUS NUCLEAR

Pseudouridine residues in the 5'-terminus of uridine-rich nuclear RNA I (U1 RNA). Reddy R, et al. **Biochem Biophys Res Commun** 1981 Feb 27;98(4):1076–83

hnRNA and its attachment to a nuclear protein matrix. van Eekelen CA, et al. **J Cell Biol** 1981 Mar;88(3):554–63

Subnuclear particles containing a small nuclear RNA and heterogeneous nuclear RNA. Zieve G, et al. **J Mol Biol** 1981 Jan 25;145(3):501–23

ANALYSIS

On the nature of nuclear envelope-associated RNA. Clawson GA, et al. **Biochem Biophys Res Commun** 1980 Sep 30; 96(2):812–6

Poly(A)- and oligo(A)-adjacent sequences in RNA from the large hnRNP complexes of rat liver. Alonso A, et al. **Biochim Biophys Acta** 1981 Jan 29;652(1):72–81

The status of small nuclear RNA in the ribonucleoprotein fibrils containing heterogeneous nuclear RNA. Gallinaro H, et al. **Biochim Biophys Acta** 1981 Jan 29;652(1):109–20

Proteins associated with poly(A) and other regions of mRNA and hnRNA molecules as investigated by crosslinking. Setyono B, et al. **Cell** 1981 Jun;24(3):775–83

Comparison of the nuclear ribonucleoproteins containing the transcripts of adenovirus-2 and HeLa cell dna. Gattoni R, et al. **Eur J Biochem** 1980;108(1):203–11

Relative base composition of nuclear RNA transcribed from repetitive and unique DNA in frog embryos. Flickinger RA, et al. **Exp Cell Res** 1981 Jan;131(1):57–61

Nuclear ribonucleoprotein particles from adenovirus infected Hela cells. Blanchard JM, et al. **Mol Biol Rep** 1981 May 22;7(1–3):107–13

Small RNAs in HnRNP fibrils and their possible function in splicing. Gallinaro H, et al. **Mol Biol Rep** 1981 May 22;7(1–3):31–9 (70 ref.)

Properties of a 110000 molecular weight protein in rat liver hnRNP particles. Schweiger A, et al. **Mol Biol Rep** 1981 May 22;7(1–3):47–51

BIOSYNTHESIS

Effects of N-trifluoroacetyl adriamycin-14-valerate (AD32) on nuclear RNA synthesis in cultured L1210 cells. Wilson RG, et al. **Chem Biol Interact** 1980 Nov;32(3):331–7

Additive effects of cortisol and calf serum on RNA synthesis in isolated rat hepatocytes. Autoradiographic studies with the light and electron microscope. Kwiatkowska M, et al. **Folia Histochem Cytochem (Krakow)** 1980;18(4):249–57

Adenosine selectively inhibits labeling of chromosomal RNA, especially hnRNA, probably by acting at or near the site of chain initiation. Egyházi E, et al. **J Cell Biol** 1981 Apr; 89(1):1–8

BLOOD

Electron microscopic observations of heterogeneous nuclear RNA of chicken reticulocytes. Naora H, et al. **Biochim Biophys Acta** 1981 Mar 26;653(1):91–7

GENETICS

Two low molecular weight nuclear RNAs, isolated from avian erythroblast nuclear ribonucleoprotein complexes, hybridize to duck pre-messenger and globin messenger RNA. Maxwell ES, et al. **Biochem Biophys Res Commun** 1980 Dec 16;97(3):875–82

Regulation of endogenous murine leukemia virus-related nuclear and cytoplasmic RNA complexity in C57BL/6J mice of increasing age. Florine DL, et al. **Cancer Res** 1980 Mar;40(3):519–23

Electron microscope study of duck globin mRNA precursor crosslinked in situ. Reymond C, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4683–7

ISOLATION & PURIFICATION

Purification and characterization of a simple ribonucleoprotein particle containing small nucleoplasmic RNAs (snRNP) as a subset of RNP containing heterogenous nuclear RNA (hnRNP) from HeLa cells. Brunel C, et al. **Nucleic Acids Res** 1981 Feb 25;9(4):815–30

METABOLISM

hnRNP proteins interact with nascent adenovirus RNA. Blanchard JM. **Biochem Biophys Res Commun** 1980 Nov 28;97(2):524–9

Small nuclear RNA and VA RNA in nuclear ribonucleoprotein fibrils from adenovirus-2 infected HeLa cells. Gallinaro H, et al. **Biochem Biophys Res Commun** 1980 Jul 16;95(1):20–6

The phosphorylation of the proteins of rat liver heterogeneous ribonucleoprotein particles by an endogenous kinase activity. Wilks AF, et al. **Biochim Biophys Acta** 1981 Jan 29;652(1):228–33

In vitro synthesis of sialyl transferase of bovine submaxillary gland. Antoniades D, et al. **Int J Biochem** 1981;13(6):749–52

Immunofluorescent localization of the proteins of nuclear ribonucleoprotein complexes. Jones RE, et al. **J Cell Biol** 1980 Jul;86(1):235–43

Messenger RNA processing and nuclear structure: isolation of nuclear ribonucleoprotein particles containing beta-globin messenger RNA precursors. Pederson T, et al. **J Cell Biol** 1980 Oct;87(1):47–54

Nuclear processing of viral high-molecular-weight RNA in cells infected with herpes simplex virus type 1. Jacquemont B, et al. **J Virol** 1980 Aug;35(2):382–9

Structural organization of nascent transcripts and hnRNA molecules in amphibian oocytes. Sommerville J, et al. **Mol Biol Rep** 1981 May 22;7(1–3):53–6

[Nuclear RNA turnover. 1. Metabolic heterogeneity] Zaboĭkin MM, et al. **Mol Biol (Mosk)** 1981 Mar-Apr; 15(2):274–80 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Transcription process in rat thymus cells subjected to x-ray irradiation. 5. The biosynthesis and maturation of heterogeneous nuclear RNA] Evtushenko VI, et al. **Radiobiologiia** 1980 Jul-Aug;20(4):495–501 (Eng. Abstr.) **(Rus)**

RNA, MESSENGER

Requirement of different ionic concentrations for optimal translation of alpha and beta globin mRNA in Krebs II Ascites cell-free system. Parets Soler A, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1427–32

Configuron dependence on translation of specific condon pairs. I. Helical regions of human alpha and beta globins. Quinn LY, et al. **Biochem Biophys Res Commun** 1980 Dec 16;97(3):868–74

Recognition by initiator transfer ribonucleic acid of a uridine 5' adjacent to the AUG codon: different conformational states of formylatable methionine-accepting transfer ribonucleic acid at the ribosomal peptidyl site. Eckhardt H, et al. **Biochemistry** 1981 Apr 14;20(8):2075–80

Multistep mechanism of codon recognition by transfer ribonucleic acid. Labuda D, et al. **Biochemistry** 1980 Aug 5;19(16):3799–805

Correct codon--anticodon base pairing at the 5'-anticodon position blocks covalent cross-linking between transfer ribonucleic acid and 16S RNA at the ribosomal P site. Ofengand J, et al. **Biochemistry** 1981 Feb 3;20(3):552–9

Sequence differences between mouse embryonic γ- and adult beta-globin messenger ribonucleic acids. Soma GI, et al. **Biochemistry** 1980 Aug 19;19(17):3967–73

Studies on dissociation and reconstitution of nuclear 30-S ribonucleoprotein particles containing pre-mRNA. Kulguskin VV, et al. **Biochim Biophys Acta** 1980 Oct 17; 609(3):410–24

AUG is the only initiation codon in eukaryotes. Sherman F, et al. **Biochim Biophys Acta** 1980 Sep 19;609(2):343–6

Comparison of the codon recognition properties and of the utilization of normal and tumor specific Phe-tRNAs in protein synthesis. Hatfield DL, et al. **Cancer Lett** 1981 Apr; 12(3):251–8

Tissue-specific expression of mouse-alpha-amylase genes: nucleotide sequence of isoenzyme mRNAs from pancreas and salivary gland. Hagenbüchle O, et al. **Cell** 1980 Aug; 21(1):179–87

Unorthodox codon reading and the evolution of the genetic code. Lagerkvist U. **Cell** 1981 Feb;23(2):305–6 (9 ref.)

Nucleotide sequence coding for the respiratory NADH dehydrogenase of Escherichia coli. UUG initiation codon. Young IG, et al. **Eur J Biochem** 1981 May;116(1):165–70

Single-strandedness of the majority of DNA sequences complementary to mRNA-coding sites isolated from rat hepatoma tissue cultured cells. Leibovitch SA, et al. **Exp Cell Res** 1981 May;133(1):181–9

Nucleotide sequence of human G gamma globin messenger RNA. Cavallesco C, et al. **Gene** 1980 Dec;12(3–4):215–21

Preferential codon usage in genes. Wain-Hobson S, et al. **Gene** 1981 May;13(4):355–64

Biosynthesis of the Mouse Complement Component C4 (Ss-protein) and the characterization of its messenger RNA. Fey G, et al. **Immunobiology** 1980;158(1–2):61–6

Abnormal codon recognition of glycyl-tRNA from the posterior silk glands of Bombyx mori. Kawakami M, et al. **J Biochem (Tokyo)** 1980 Oct;88(4):1151–7

Changes in gene expression during myogenic differentiation. I. Regulation of messenger RNA sequences expressed during myotube formation. Affara NA, et al. **J Mol Biol** 1980 Jul 15;140(4):441–58

Structure and metabolism of adenovirus RNAs containing sequences from the fiber gene. Carlson DP, et al. **J Mol Biol** 1980 Aug 15;141(3):249–65

A functional hybrid ribosome binding site in tryptophan operon messenger RNA of Escherichia coli. Christie GE, et al. **J Mol Biol** 1980 Nov 5;143(3):335–41

Bacteriophage lambda hin function. II. Enhanced stability of lambda messenger RNA. Court D, et al. **J Mol Biol** 1980 Apr 25;138(4):731–43

Proteins and messenger RNAs of the transforming region of wild-type and mutant adenoviruses. Esche H, et al. **J Mol Biol** 1980 Sep 25;142(3):399–417

Codon-anticodon interaction in tRNAPhe. II. A nuclear magnetic resonance study of the binding of the codon UUC. Geerdes HA, et al. **J Mol Biol** 1980 Sep 15; 142(2):219–30

Nuclear magnetic resonance studies of codon-anticodon interaction in tRNAPhe. I. Effect of binding complementary tetra and pentanucleotides to the anticodon. Geerdes HA, et al. **J Mol Biol** 1980 Sep 15; 142(2):195–217

Sequence complexity of nuclear and messenger RNA in HeLa cells. Holland CA, et al. **J Mol Biol** 1980 Apr 25; 138(4):755–78

Correlation between the abundance of Escherichia coli transfer RNAs and the occurrence of the respective codons in its protein genes. Ikemura T. **J Mol Biol** 1981 Feb 15; 146(1):1–21

Incomplete splicing and deficient accumulation of the fiber messenger RNA in monkey cells infected by human adenovirus type 2. Klessig DF, et al. **J Mol Biol** 1980 May 15;139(2):221–42

Binding of wheat germ ribosomes to bisulfite-modified reovirus messenger RNA: evidence for a scanning mechanism. Kozak M. **J Mol Biol** 1980 Dec 15; 144(3):291–304

Arrangement of messenger RNAs and protein coding sequences in the major late transcription unit of adenovirus 2. Miller JS, et al. **J Mol Biol** 1980 Oct 5;142(4):455–88

Coding potential of non-polyadenylated messenger RNA in mouse Friend cells. Minty AJ, et al. **J Mol Biol** 1980 May 5;139(1):61–83

Codon recognition by glycine transfer RNAs of Escherichia coli in vivo. Murgola EJ, et al. **J Mol Biol** 1980 Apr 25; 138(4):833–44

The size of the transcriptional units of the avian globin genes defined at the pre-messenger RNA level. Reynaud CA, et al. **J Mol Biol** 1980 Jul 15;140(4):481–504

Structure analysis of three T7 late mRNA ribosome binding sites. Rosa MD. **J Mol Biol** 1981 Mar 25;147(1):55–71

High molecular weight RNA containing histone messenger in the sea urchin Paracentrotus lividus. Spinelli G, et al. **J Mol Biol** 1980 May 15;139(2):111–22

The universal dinucleotide asymmetry rules in DNA and the amino acid codon choice. Nussinov R. **J Mol Evol** 1981; 17(4):237–44

Evidence for remnants of an ordered codon sequence and a restricted codon composition in selected proteins. Brown AP. **J Theor Biol** 1980 Apr 21;83(4):537–60

Mathematical modelling of translation of mRNA in eucaryotes; steady state, time-dependent processes and application to reticulocytes. Heinrich R, et al. **J Theor Biol** 1980 Sep 21;86(2):279–313

Further studies on similarity of terminal nucleotide sequences of eukaryote mRNA-a possible mechanism of RNA splicing. Naora H, et al. **J Theor Biol** 1980 Jul 7;85(1):83–97

Three dimensional structure and sequence homology determine splicing sites in eukaryotic precursor RNA. Nussinov R. **J Theor Biol** 1980 Apr 21;83(4):647–62

Stable hairpin structure within the 5'-terminal 85 nucleotides of poliovirus RNA. Larsen GR, et al. **J Virol** 1981 Jan; 37(1):328–35

Recognition of two initiation codons for the synthesis of phage fd gene 2 protein. Meyer TF, et al. **MGG** 1980; 180(3):489–94

Physicochemical measurement of the base composition of mRNA-related sequences of the human alpha and beta globin genes. Tuan D, et al. **Mol Biol Rep** 1980 Oct 31; 6(3):179–83

Differential usage of iso-accepting tRNASer species in silk glands of Bombyx mori. Hentzen D, et al. **Nature** 1981 Mar 19;290(5803):267–9

Structure of the host-derived sequences present at the 5' ends of influenza virus mRNA. Caton AJ, et al. **Nucleic Acids Res** 1980 Jun 25;8(12):2591–603

Conformational alteration of mRNA structure and the posttranscriptional regulation of erythromycin-induced drug resistance. Gryczan TJ, et al. **Nucleic Acids Res** 1980 Dec 20;8(24):6081–97

Nucleotide sequences of heat shock activated genes in Drosophila melanogaster. I. Sequences in the regions of the 5' and 3' ends of the hsp 70 gene in the hybrid plasmid 56H8. Török I, et al. **Nucleic Acids Res** 1980 Jul 25;

8(14):3105–23

Secondary structures for splice junctions in eukaryotic and viral messenger RNA precursors. Trapnell BC, et al. **Nucleic Acids Res** 1980 Aug 25;8(16):3659–72

Sequence complexity of cDNA transcribed from a diverse mRNA population. Van Ness J, et al. **Nucleic Acids Res** 1980 Sep 25;8(18):4259–70

The nucleotide sequence of the major beta-globin mRNA from Xenopus laevis. Williams JG, et al. **Nucleic Acids Res** 1980 Sep 25;8(18):4247–58

On the antisymmetry of the amino acid code table. Hasegawa M, et al. **Orig Life** 1980 Sep;10(3):265–70

Mechanism of translocation: relative arrangement of tRNA and mRNA on the ribosome. Matzke AJ, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5110–4

Nucleotide sequence of cloned rat serum albumin messenger RNA. Sargent TD, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):243–6

Suppressible four-base glycine and proline codons in yeast. Donahue TF, et al. **Science** 1981 Apr 24;212(4493):455–7

[Structure of nuclear pre-mRNA. XIII. Hybridization properties of triphosphorylated 5'-end fragments] Peunova NI, et al. **Mol Biol (Mosk)** 1980;14(1):212–22 (Eng. Abstr.) **(Rus)**

[New information on the structure of eukaryote mRNA] Gazarian KG, et al. **Usp Sovrem Biol** 1979 Jul–Aug; 88(4):3–17 (128 ref.) **(Rus)**

[Increase in the effectivenss of translation of interferon mRNA in cell cultures] Sokolova TM, et al. **Vopr Virusol** 1980 Sep–Oct;(5):629–31 **(Rus)**

[Calculation of the polarity of amino acid residues in the structure of the genetic code] Dymshits VA. **Zh Obshch Biol** 1981 Mar–Apr;42(2):222–5 **(Rus)**

ANALYSIS

Pre-mRNA from erythroid enriched bone marrow cells of the rabbit. Hunger HD, et al. **Acta Biol Med Ger** 1979; 38(11–12):1555–63

Analysis of mRNA 5'-terminal cap structures and internal N6-methyladenosine by reversed-phase high-performance liquid chromatography. Albers RJ, et al. **Anal Biochem** 1981 May 1;113(1):118–23

Physical mapping of complex mRNA populations by 'criss-cross' DNA-RNA hybridization. Bachenheimer SL. **Anal Biochem** 1980 Aug;106(2):486–91

In vitro translation of major abundant class poly(A+)-mRNA from rat seminal vesicle. Silverberg AB, et al. **Arch Androl** 1980 May;4(3):249–55

Identification of the mRNA coding for the ACTH-beta-lipotropin precursor in a human ectopic ACTH-producing tumor. Tsukada T, et al. **Biochem Biophys Res Commun** 1981 Jan 30;98(2):535–40

Sequence determination and analysis of the 3' region of chicken pro-alpha 1(I) and pro-alpha 2(I) collagen messenger ribonucleic acids including the carboxy-terminal propeptide sequences. Fuller F, et al. **Biochemistry** 1981 Feb 17;20(4):996–1006

Quantitation of globin mRNA in individual human erythroblasts by in situ hybridization. Dörmer P, et al. **Blut** 1981 Aug;43(2):79–83

Nonviral oligonucleotides at the 5' terminus of cytoplasmic influenza viral mRNA deduced from cloned complete genomic sequences. Dhar R, et al. **Cell** 1980 Sep; 21(2):495–500

Proteins associated with poly(A) and other regions of mRNA and hnRNA molecules as investigated by crosslinking. Setyono B, et al. **Cell** 1981 Jun;24(3):775–83

Hybridization histochemistry: use of recombinant DNA as a 'homing probe' for tissue localization of specific mRNA populations. Hudson P, et al. **Endocrinology** 1981 Jan; 108(1):353–6

Segregation of specific classes of messenger RNA into free and membrane-bound polysomes. Adesnik M, et al. **Eur J Biochem** 1981 Feb;114(2):271–84

Fluctuation in polyadenylate size and content in exponential- and stationary-phase cells of Saccharomyces cerevisiae. Sogin SJ, et al. **J Bacteriol** 1980 Oct;144(1):74–81

A general method for detection and characterization of an mRNA using an oligonucleotide probe. Agarwal KL, et al. **J Biol Chem** 1981 Jan 25;256(2):1023–8

Differential and coordinate regulation of the eukaryotic small molecular weight RNAs. Gunning PW, et al. **J Biol Chem** 1981 Jul 10;256(13):6663–9

Extensive homology between poly(A)-containing mRNA and purified nominal poly(A)-lacking mRNA in mouse kidney. Ouellette AJ, et al. **J Biol Chem** 1981 May 25; 256(10):5104–8

Membrane-bound ribosomes of myeloma cells. V. Subcellular distribution of immunoglobulin mRNA molecules. Mechler B. **J Cell Biol** 1981 Jan;88(1):37–41

Membrane-bound ribosomes of myeloma cells. IV. mRNA complexity of free and membrane-bound polysomes. Mechler B, et al. **J Cell Biol** 1981 Jan;88(1):29–36

Polysomal and non-polysomal messenger RNA in neuroblastoma cells. Lack of correlation between polyadenylation or initiation efficiency and messenger RNA location. Croall DE, et al. **J Mol Biol** 1980 Jul 15; 140(4):549–64

Estimating the total number of nucleotide substitutions since the common ancestor of a pair of homologous genes: comparison of several methods and three beta hemoglobin messenger RNA's. Fitch WM. **J Mol Evol** 1980 Dec; 16(3–4):153–209 (66 ref.)

Localization of three major cappe 5' ends of polyoma virus late mRNA's within a single tetranucleotide sequence in the viral genome. Flavell AJ, et al. **J Virol** 1980 Feb; 33(2):902–8

Transcripts of the adenovirus-associated virus genome: multiple polyadenylated RNAs including a potential primary transcript. Green MR, et al. **J Virol** 1980 Aug; 35(2):560–5

Characterization of the 5'-terminal cap structures of early simian virus 40 mRNA. Haegeman G, et al. **J Virol** 1980 Sep;35(3):955–61

Nucleotide sequence at polyoma VP1 mRNA splice sites. Srivatsan ES, et al. **J Virol** 1981 Jan;37(1):244–7

The araC regulatory gene mRNA contains a leader sequence. Cass LG, et al. **MGG** 1980;180(1):219–26

Ribosomal and translatable messenger RNA of Eimeria tenella. Pasternak J, et al. **Mol Biochem Parasitol** 1981 Jul; 3(3):133–42

The structure of ribonucleoprotein particles from rat liver nuclei. Heinrich PC, et al. **Mol Biol Rep** 1981 May 22; 7(1–3):15–24

Electron microscopic evidence of circular molecules in 9-S globin mRNA from rabbit reticulocytes. Ladhoff AM, et al. **Mol Biol Rep** 1981 May 22;7(1–3):101–6

Decrease in the levels of nuclear RNA precursors for alpha 2 collagen in Rous sarcoma virus transformed fibroblasts. Avvedimento E, et al. **Nucleic Acids Res** 1981 Mar 11; 9(5):1123–31

Selection and analysis of cloned developmentally-regulated Dictyostelium discoideum genes by hybridization-competition. Mangiarotti G, et al. **Nucleic Acids Res** 1981 Feb 25;9(4):947–63

Skeletal muscle actin mRNA. Characterization of the 3' untranslated region. Shani M, et al. **Nucleic Acids Res** 1981 Feb 11;9(3):579–89

The nucleotide sequence of the very low density lipoprotein II mRNA from chicken. Wieringa B, et al. **Nucleic Acids Res** 1981 Feb 11;9(3):489–501

Absence of albumin mRNA in the liver of analbuminemic rats. Esumi H, et al. **Proc Natl Acad Sci USA** 1980 Jun; 77(6):3215–9

Determination of cellular RNA concentrations by electron microscopy of R loop-containing DNA. Kaback DB, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):2820–4

Messenger RNA prevalence in sea urchin embryos measured with cloned cDNAs. Lasky LA, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5317–21

Four sizes of transcript produced by a single sea urchin gene expressed in early embryos. Lee AS, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3259–63

Intracellular murine hepatitis virus-specific RNAs contain common sequences. Cheley S, et al. **Virology** 1981 Jul 30; 112(2):596–604

Macromolecular synthesis in cells infected by frog virus 3. XIV. Characterization of the methylated nucleotide sequences in viral messenger RNAs. Raghow R, et al. **Virology** 1980 Nov;107(1):283–94

[Use of the degeneracy of the genetic code by selective pressure to cut up genes of procaryote genomes] Rodier F, et al. **C R Acad Sci [D] (Paris)** 1980 Sep 15; 291(2):199–202 (Eng. Abstr.) **(Fre)**

[Comparison of the messenger RNAs of interferon and of its production repressor] Tazulakhova EB, et al. **Antibiotiki** 1980 Sep;25(9):659–64 (Eng. Abstr.) **(Rus)**

[Nature of a virus-specific protein detected in the composition of a ribonucleoprotein containing cellular messenger RNA during viral infection] Kalinina NO, et al. **Biol Nauki** 1980;(9):28–34 **(Rus)**

[Double-helical structures in the make up of poly(A)-containing RNA of rat liver cells. Effect of cortisone] Konstantinova IM, et al. **Mol Biol (Mosk)** 1980 Nov–Dec;14(6):1354–61 (Eng. Abstr.) **(Rus)**

ANTAGONISTS & INHIBITORS

Reversal of the inhibitory effects of the pokeweed antiviral protein upon protein synthesis. Rodes TL 3d, et al. **Biochim Biophys Acta** 1981 Jan 29;652(1):160–7

BIOSYNTHESIS

Processing of adenovirus nuclear RNA to mRNA. Nevins JR, et al. **Adv Virus Res** 1981;26:1–35

Messenger RNA biosynthesis and nuclear structure. Pederson T. **Am Sci** 1981 Jan–Feb;69(1):76–84 (32 ref.)

Hormonal control of alpha 2u globulin synthesis and its mRNA in isolated hepatocytes. Chen CL, et al. **Ann NY Acad Sci** 1980;349:28–45

Synthesis, structure, and function of poly(I).poly(C)-induced human fibroblast interferon mRNA. Sehgal PB, et al. **Ann NY Acad Sci** 1980;350:405–12

Regulation of adenovirus mRNA synthesis. Sharp PA, et al. **Ann NY Acad Sci** 1980;354:1–15 (31 ref.)

Reovirus core particles synthesize capped oligonucleotides as a result of abortive transcription. Zarbl H, et al. **Arch Biochem Biophys** 1980 Jul;202(2):348–60

Virus-specific and cell-specific RNA transcripts in influenza virus-infected cells: the rate of synthesis and the content in the nuclei. Varich NL, et al. **Arch Virol** 1981; 68(3–4):279–84

In vitro synthesis of a peptide which modifies the transcriptional specificity of Bacillus subtilis RNA polymerase. Milhausen MJ, et al. **Biochem Biophys Res Commun** 1981 Apr 15;99(3):900–6

In vitro translation of maize ADH: evidence for the anaerobic induction of mRNA. Ferl RJ, et al. **Biochem Genet** 1980 Aug;18(7–8):681–91

Messenger RNA synthesis in mumps-virus-infected cells. Rima BK, et al. **Biochem Soc Trans** 1980 Aug;8(4):441–2

Stimulation of messenger ribonucleic acid synthesis in isolated nuclei by a protein that stimulates RNA polymerase II. Ueno K, et al. **Biochemistry** 1981 Feb 3; 20(3):634–40

Similar sets of terminal oligonucleotides from reovirus double-stranded RNA and viral messenger RNA synthesized in vitro. Hastings KE, et al. **Can J Biochem** 1981 Mar;59(3):151–7

Beta Thalassemia: mutations which affect processing of the beta-Globin mRNA precursor. Kantor JA, et al. **Cell** 1980 Aug;21(1):149–57

Tubulin induction in C. reinhardii: requirement for tubulin mRNA synthesis. Minami SA, et al. **Cell** 1981 Apr; 24(1):89–95

Speculations on RNA splicing. Sharp PA. **Cell** 1981 Mar; 23(3):643–6

Processing of high molecular weight ovalbumin and ovomucoid precursor RNAs to messenger RNA. Tsai MJ, et al. **Cell** 1980 Nov;22(1 Pt 1):219–30

Formation and stability of cytoplasmic mRNAs during myoblast differentiation: pulse-chase and density labeling analyses. Bowman LH, et al. **Dev Biol** 1980 Nov; 80(1):146–66

Cellular regulation of fetal hemoglobin synthesis in man. Investigation of gamma and beta mRNA accumulation in clonal erythroid cultures initiated from erythroid progenitors derived from fetuses, neonates, and adult individuals. Farquhar MN, et al. **Dev Biol** 1980 Nov; 80(1):64–78

Repeated turn-off and turn-on of fibroin gene transcription during silk gland development of Bombyx mori. Maekawa H, et al. **Dev Biol** 1980 Aug;78(2):394–406

The rate of synthesis of histone mRNA during the development of sea urchin embryos (Strongylocentrotus purpuratus). Maxson RE Jr, et al. **Dev Biol** 1981 Apr 30; 83(2):380–6

Light-induced appearance of polysomal poly(A)-rich messenger RNA during greening of barley plants. Heinze H, et al. **Eur J Biochem** 1980 Oct;111(1):137–44

Glucocorticoid-dependent induction of mRNA coding for phosphoenolpyruvate carboxykinase (GTP) in rat kidney. Its inhibition by cycloheximide. Iynedjian PB, et al. **Eur J Biochem** 1980 Oct;111(1):89–98

Expression of bacteriophage M13 DNA in vivo. Isolation, identification and characterization of phage-specific mRNA species. Smits MA, et al. **Eur J Biochem** 1980 Nov; 112(2):309–21

Altered pattern of brain cortex poly(A)-RNA synthesis persisting after postconvulsive EEG recovery. Cupello A, et al. **Exp Neurol** 1980 Aug;69(2):247–52

Messenger RNA in the cellular commitment of Manduca sexta. Chen AC, et al. **Gen Comp Endocrinol** 1981 Mar; 43(3):315–24

Excess synthesis of viral mRNA 5-terminal oligonucleotides by reovirus transcriptase. Yamakawa M, et al. **J Biol Chem** 1981 Jun 25;256(12):6507–14

Addition of poly(A) to nuclear RNA occurs soon after RNA synthesis. Saldítt-Georgieff M, et al. **J Cell Biol** 1980 Sep; 86(3):844–8

Rabies virus-induced RNA synthesis in BHK21 cells. Holloway BP, et al. **J Gen Virol** 1980 Jul;49(1):181–95

Process of cap formation of messenger RNA by vaccinia virus particles carrying an organized enzymes system. Urushibara T, et al. **J Gen Virol** 1981 Jan;52(Pt 1):49–59

Transient induction of poly(A)-short myosin heavy chain messenger RNA during terminal differentiation of L6E9 myoblasts. Benoff S, et al. **J Mol Biol** 1980 Jun 25; 140(2):283–98

The synthesis and degradation of poly(a)-containing mRNAs in mouse neuroblastoma cells treated with dibutyryl cAMP or with Ro20-1724. Morrison MR, et al. **J Neurochem** 1980 Jan;34(1):50–8

Oligonucleotide sequence analyses indicate that vesicular stomatitis virus large defective interfering virus particle RNA is made by internal deletion: evidence for similar transcription polyadenylation signals for the synthesis of all vesicular stomatitis virus mRNA species. Clerx-Van Haaster CM, et al. **J Virol** 1980 Feb;33(2):807–17

Transcription pattern of in vivo-labeled late simian virus 40 RNA: evidence that 16S and 19S mRNA's are derived from distinct precursor RNA populations. Ford JP, et al. **J Virol** 1980 Sep;35(3):972–8

Coordinate regulation of two cytoplasmic RNA species transcribed from early region 2 of the adenovirus 2 genome. Goldenberg CJ, et al. **J Virol** 1981 Jun;38(3):932–9

Bacteriophage phi X174-specific mRNA synthesis in cells deficient in termination factor rho activity. Hayashi MN, et al. **J Virol** 1981 Apr;38(1):198–207

Ability of nonpermissive mouse cells to express a simian virus 40 late function(s). Lange M, et al. **J Virol** 1981 Jun; 38(3):940–51

Noncytopathic mutants of Newcastle disease virus are defective in virus-specific RNA synthesis. Madansky CH, et al. **J Virol** 1981 Jan;37(1):317–27

Autogenous and post-transcriptional regulation of

Escherichia coli RNA polymerase synthesis in vitro. Kajitani M, et al. **MGG** 1980;179(3):489–96

The relationship between the SV40 genome and viral mRNA. Weissman SM. **Mol Cell Biochem** 1981 Feb 26;35(1):29–38

Immunoglobulin messenger RNAs of T lymphocytes. Storb U, et al. **Mol Immunol** 1980 Jul;17(7):947–57

Interferon-dependent induction of mRNA activity for (2'–5')oligo-isoadenylate synthetase. Shulman L, et al. **Nature** 1980 Nov 6;288(5786):98–100

Frequency distribution of pre-messenger RNA sequences in polyadenylated and non-polyadenylated nuclear RNA from Friend cells. Balmain A, et al. **Nucleic Acids Res** 1980 Apr 11;8(7):1643–60

Temporal regulation of herpes simplex virus type 2 transcription and characterization of virus immediate early mRNA's. Easton AJ, et al. **Nucleic Acids Res** 1980 Jun 25;8(12):2627–45

Relationship between the messenger RNAs transcribed from two overlapping genes of influenza virus. Inglis SC, et al. **Nucleic Acids Res** 1980 Aug 25;8(16):3575–89

Cloning and sequence of the cDNA corresponding to the variable region of immunoglobulin heavy chain MPC11. Zakut R, et al. **Nucleic Acids Res** 1980 Aug 25; 8(16):3591–601

Identification of a promoter component involved in positioning the 5' termini of simian virus 40 early mRNAs. Ghosh PK, et al. **Proc Natl Acad Sci USA** 1981 Jan; 78(1):100–4

Activation of human beta-globin genes from nonerythroid cells by fusion with murine erythroleukemia cells. Pyati J, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3435–9

The genesis of Rous sarcoma virus messenger RNAs. Hackett PB, et al. **Virology** 1981 Jul 30;112(2):714–28

Establishment of Sendai virus persistent infection: biochemical analysis of the early phase of a standard plus defective interfering virus infection of BHK cells. Roux L, et al. **Virology** 1981 Jul 30;112(2):400–10

Reovirus-specific messenger ribonucleoprotein particles from HeLa cells. Kreft J. **Z Naturforsch [C]** 1980 Nov–Dec; 35(11–12):1046–51

[Synthesis of globin mRNA in erythroid cell differentiation disorders] Peresleni TIu, et al. **Dokl Akad Nauk SSSR** 1981; 258(6):1492–5 **(Rus)**

GENETICS

Determination of the identity and organization of messenger RNAs within DNA. Roberts BE, et al. **Am J Trop Med Hyg** 1980 Sep;29(5 Suppl):1117–22

Isolation of the structural gene for calmodulin. Munjaal RP, et al. **Ann NY Acad Sci** 1980;356:110–8

In vitro translation of cricket paralysis virus RNA. Reavy B, et al. **Arch Virol** 1981;67(2):175–80

Different mechanisms of synthesis of complete and incomplete influenza virus transcripts in infected cells. Staroff A, et al. **Arch Virol** 1981;67(1):105–10

Cloning of the rabbit uteroglobin structural gene. Chandra T, et al. **Biochem Biophys Res Commun** 1980 Jul 16; 95(1):197–204

Internally elongated rodent alpha-crystallin A chain: resulting from incomplete RNA splicing? de Jong WW, et al. **Biochem Biophys Res Commun** 1980 Sep 30; 96(2):648–55

The partial purification of rabbit liver cytochrome P450-LM2-mRNA. DiLella AG, et al. **Biochem Biophys Res Commun** 1981 May 15;100(1):155–61

mRNA-dependent synthesis of rat apolipoprotein E in vitro: cotranslational processing and identification of an endoglycosidase H-sensitive glycopeptide intermediate. Lin-Lee YC, et al. **Biochem Biophys Res Commun** 1981 Mar 31;99(2):654–61

Two low molecular weight nuclear RNAs, isolated from avian erythroblast nuclear ribonucleoprotein complexes, hybridize to duck pre-messenger and globin messenger RNA. Maxwell ES, et al. **Biochem Biophys Res Commun** 1980 Dec 16;97(3):875–82

The effect of beta-naphthoflavone on rabbit liver protein synthesis, and on the induction of cytochrome P-450 LM4 mRNA. Nash KL, et al. **Biochem Biophys Res Commun** 1981 Jun 16;100(3):1111–7

Construction of recombinant cDNA via a ribosubstituted hairpin. Paddock GV, et al. **Biochem Biophys Res Commun** 1980 Dec 16;97(3):1116–23

Control of fatty acid synthetase mRNA levels in rat liver by insulin, glucagon, and dibutyl cyclic AMP. Pry TA, et al. **Biochem Biophys Res Commun** 1981 Jun 16; 100(3):1002–9

Structure and regulation of the messenger RNA coding for the corticotropin /beta-lipotropin precursor. Numa S, et al. **Biochem Soc Trans** 1980 Dec;8(6):749–51

Cloned complementary deoxyribonucleic acid of Drosophila cells. Relationship of genome copy number to messenger ribonucleic acid abundance. Craig EA, et al. **Biochemistry** 1981 Apr 28;20(9):2651–6

Comparison of the early histone H4 gene sequence of Strongylocentrotus purpuratus with maternal, early, and late histone H4 mRNA sequences. Grunstein M, et al. **Biochemistry** 1981 Mar 3;20(5):1216–23

Cysteine auxotrophy of human leukemic lymphoblasts is associated with decreased amounts of intracellular cystathionase messenger ribonucleic acid. Kriegler MP, et al. **Biochemistry** 1981 Mar 3;20(5):1312–8

Heavy-chain mutants derived from gamma 2b mouse myeloma: characterization of heavy-chain messenger ribonucleic acid, proteins, and secretion in delection mutants and messenger ribonucleic acid in gamma2a mutant progeny. Monk RJ, et al. **Biochemistry** 1981 Apr 14; 20(8):2330–9

Effects of procollagen peptides on the translation of type II collagen messenger ribonucleic acid and on collagen biosynthesis in chondrocytes. Paglia LM, et al. **Biochemistry** 1981 Jun 9;20(12):3523–7

Messenger ribonucleic acid specificity in the inhibition of eukaryotic translation by double-stranded ribonucleic acid. Rosen H, et al. **Biochemistry** 1981 May 26;20(11):3011–20

Favored incorporation of tubercidin in poly(adenylic, 7-deazadenylic acids) and their function as messenger ribonucleic acids in protein synthesis. Seela F, et al. **Biochemistry** 1981 Apr 28;20(9):2559–64

Regulation or procollagen messenger ribonucleic acid levels in Rous sarcoma virus transformed chick embryo fibroblasts. Sobel MR, et al. **Biochemistry** 1981 Apr 28; 20(9):2678–84

Increased translatable messenger ribonucleic acid for argininosuccinate synthetase in canavanine-resistant human cells. Su TS, et al. **Biochemistry** 1981 May;20(10):2956–60

Quantitation of rat liver messenger ribonucleic acid for malic enzyme during induction by thyroid hormone. Towle HC, et al. **Biochemistry** 1981 Jun 9;20(12):3486–92

Spinach chloroplast mRNA for a 32 000 dalton polypeptide: size and localization on the physical map of the chloroplast DNA. Driesel AJ, et al. **Biochim Biophys Acta** 1980 Dec 11;610(2):297–310

Does quantitative tRNA adaptation to codon content in mRNA optimize the ribosomal translation efficiency? Proposal for a translation system model. Chavancy G, et al. **Biochimie** 1981 Mar;63(3):187–95

Radioautographic localization of prolactin messenger RNA on histological sections by in situ hybridization. Pochet R, et al. **Brain Res** 1981 May 4;211(2):433–8

The subunit composition of cerebellar tubulin: evidence for multiple beta tubulin messenger RNAs. Strocchi P, et al. **Brain Res** 1981 Apr 27;211(1):206–10

Messenger RNA is translated when associated with the cytoskeletal framework in normal and VSV-infected HeLa cells. Cervera M, et al. **Cell** 1981 Jan;23(1):113–20

Identification of ribosomal protein S7 as a repressor of translation within the str operon of E. coli. Dean D, et al. **Cell** 1981 May;24(2):413–9

Transcriptional control in the production of liver-specific mRNAs. Derman E, et al. **Cell** 1981 Mar;23(3):731–9

The sequence 5'-AAUAAA-3'forms parts of the recognition site for polyadenylation of late SV40 mRNAs. Fitzgerald M, et al. **Cell** 1981 Apr;24(1):251–60

Definition of a novel promoter for the major adenovirus-associated virus mRNA. Green MR, et al. **Cell** 1980 Nov;22(1 Pt 1):231–42

A transcription map for the rabbit beta-globin gene. Grosveld GC, et al. **Cell** 1981 Feb;23(2):573–84

Cell-cycle regulation of yeast histone mRNA. Hereford LM, et al. **Cell** 1981 May;24(2):367–75

The primary transcription unit of the mouse beta-major globin gene. Hofer E, et al. **Cell** 1981 Feb;23(2):585–93

Localized attenuation and discontinuous synthesis during vesicular stomatitis virus transcription. Iverson LE, et al. **Cell** 1981 Feb;23(2):477–84

In vitro translation of Drosophila heat-shock and non--heat-shock mRNAs in heterologous and homologous cell-free systems. Krüger C, et al. **Cell** 1981 Feb; 23(2):595–603

Sequence of interrupted and uninterrupted mRNAs and cloned DNA coding for the two overlapping nonstructural proteins of influenza virus. Lamb RA, et al. **Cell** 1980 Sep; 21(2):475–85

Control of adenovirus early gene expression: a class of immediate early products. Lewis JB, et al. **Cell** 1980 Aug; 21(1):303–13

The role of DNA rearrangement and alternative RNA processing in the expression of immunoglobulin delta genes. Maki R, et al. **Cell** 1981 May;24(2):353–65

The 3' untranslated regions of the duplicated human alpha-globin genes are unexpectedly divergent. Michelson AM, et al. **Cell** 1980 Nov;22(2 Pt 2):371–7

Yeast histone genes show dosage compensation. Osley MA, et al. **Cell** 1981 May;24(2):377–84

A unique cap(m7GpppXm)-dependent influenza virion endonuclease cleaves capped RNAs to generate the primers that initiate viral RNA transcription. Plotch SJ, et al. **Cell** 1981 Mar;23(3):847–58

Size heterogeneity in the 3' end of dihydrofolate reductase messenger RNAs in mouse cells. Setzer DR, et al. **Cell** 1980 Nov;22(2 Pt 2):361–70

Transcripts from the adenovirus-2 major late promoter yield a single early family of 3' coterminal mRNAs and five late families. Shaw AR, et al. **Cell** 1980 Dec;22(3):905–16

Multiple alpha- and beta-tubulin genes in Chlamydomonas and regulation of tubulin mRNA levels after deflagellation. Silflow CD, et al. **Cell** 1981 Apr;24(1):81–8

Identification of the gene and mRNA for the adenovirus terminal protein precursor. Stillman BW, et al. **Cell** 1981 Feb;23(2):497–508

Unique mode of transcription in vitro by Vesicular stomatitis virus. Testa D, et al. **Cell** 1980 Aug;21(1):267–75

Accumulation of histone repeat transcripts in the sea urchin egg pronucleus. Venezky DL, et al. **Cell** 1981 May; 24(2):385–91

Expression of the vaccinia virus genome: analysis and mapping of mRNAs encoded within the inverted terminal repetition. Wittek R, et al. **Cell** 1980 Sep;21(2):487–93

A single mouse alpha-amylase gene specifies two different tissue-specific mRNAs. Young RA, et al. **Cell** 1981 Feb; 23(2):451–8

Molecular cloning and preliminary characterization of a Drosophila melanogaster gene from a region adjacent to the centromeric beta-heterochromatin. Biessmann H, et al. **Chromosoma** 1981;82(4):493–503

Biogenesis, structures, and sites of encoding of the 5' termini of adenovirus-2 mRNAs. Baker CC, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):415–28

Phenotypes of adenovirus-5 host-range mutants for early-mRNA synthesis. Berk AJ, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):429–36

Moloney murine sarcoma virions contain subgenome-length mRNA-like molecules that direct the synthesis of sarcoma-specific polypeptides in vitro. Dina D, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):901–5

Transcription of the SV40 genome in virus-transformed cells and early lytic infection. Ghosh PK, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):31–9

Regulation of SV40 gene expression through RNA splicing. Khoury G, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):41–54

A third splice site in SV40 early mRNA. Mark DF, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):55–62

New genetic information expressed in SV40-transformed cells: characterization of the 55K proteins and evidence for unusual SV40 mRNAs. May P, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):189–200

Analysis of cloned mRNA sequences from the transforming region of adenovirus 2. Perricaudet M, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):471–6

RNA processing in immunoglobulin gene expression. Wall R, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 2:879–85

Identification of the primary translation product of elastic mRNA. Cheah KS, et al. **Connect Tissue Res** 1981; 8(3–4):205–8

The Role of the poly(A) sequence in mammalian messenger RNA. Brawerman G. **CRC Crit Rev Biochem** 1981; 10(1):1–38 (92 ref.)

Complexity and diversity of polyadenylated mRNA in the silk gland of Bombyx mori: changes related to fibroin production. Couble P, et al. **Dev Biol** 1981 Feb;82(1):139–49

Developmental regulation of cloned superabundant embryo mRNAs in soybean. Goldberg RB, et al. **Dev Biol** 1981 Apr 30;83(2):218–31

Myoblast stored myosin heavy chain transcripts are precursors to the myotube polysomal myosin heavy chain mRNAs. Doetschman TC, et al. **Differentiation** 1980 Jun; 16(3):149–62

Messenger RNA during early embryogenesis in Artemia salina: altered translatability and sequence complexity. James TC, et al. **Differentiation** 1980 Feb;16(1):9–21

Characterization of cloned complementary DNA covering more than 6000 nucleotides (97%) of avian vitellogenin mRNA. Cozens PJ, et al. **Eur J Biochem** 1980 Dec; 112(3):443–50

5'-terminal nucleotide sequence of the messenger RNA coding for bovine corticotropin/beta-lipotropin precursor. Inoue A, et al. **Eur J Biochem** 1981 Jan;113(3):531–9

Cell-free translation of messenger RNAs from adult and fetal human muscle. Characterization of neosynthesized glycogen phosphorylase, phosphofructokinase and glucose phosphate isomerase. Kahn A, et al. **Eur J Biochem** 1981 May;116(1):7–12

Comparative study of levels of secondary processing in bulk mRNA from dry and germinating wheat embryos. Lane BG, et al. **Eur J Biochem** 1981 Mar;114(3):457–63

Isolation and characterization of alpha-amylase messenger RNA from bank vole parotid glands. Evidence for two separate messenger RNAs coding for amylase and an amylase-related protein. Thomsen KK, et al. **Eur J Biochem** 1981 Jun;117(1):81–6

Regulation of the synthesis of ribulose-1,5-bisphosphate carboxylase and its subunits in the flagellate Chlorogonium elongatum. Different levels of translatable messenger RNAs for the large and the small subunits in autotrophic and heterotrophic cells as determined by immunological techniques. Westhoff P, et al. **Eur J Biochem** 1981 May 15;116(2):261–7

Translation in vivo and in vitro of mRNAs coding for vitellogenin, serum albumin and very-low-density lipoprotein II from chicken liver. A difference in translational efficiency. Wieringa B, et al. **Eur J Biochem** 1981 Mar;114(3):635–41

Localization of the 3'-terminal end of the EcoRI B fragment-specific early mRNA of adenovirus type 2. Büttner W, et al. **FEBS Lett** 1980 Dec 29;122(2):317–21

Nucleic acid sequence similarities: 'poly(A) tendency'. Grantham R. **FEBS Lett** 1980 Dec 1;121(2):193–9

Non-polyadenylated mRNAs from eukaryotes. Katinakis PK, et al. **FEBS Lett** 1980 Jul 11;116(1):1–7 (111 ref.)

Cloning of alpha 2u globulin cDNA using a high efficiency technique for the cloning of trace messenger RNAs. Kurtz DT, et al. **Gene** 1981 Mar;13(2):145–52

Restriction mapping of cDNA recombinants including the adult chicken and duck globin messenger sequences: a

comparative study. Reynaud CA, et al. **Gene** 1980 Nov; 11(3–4):259–69

Evidence for a complex class of nonadenylated mRNA in Drosophila. Zimmerman JL, et al. **Genetics** 1980 Jul; 95(3):673–91

In vitro gene fusions that join an enzymatically active beta-galactosidase segment to amino-terminal fragments of exogenous proteins: Escherichia coli plasmid vectors for the detection and cloning of translational initiation signals. Casadaban MJ, et al. **J Bacteriol** 1980 Aug;143(2):971–80

UGA suppressor that maps within a cluster of ribosomal protein genes. Johnston HM, et al. **J Bacteriol** 1980 Oct; 144(1):300–5

Alterations in translatable ribonucleic acid after heat shock of Saccharomyces cerevisiae. McAlister L, et al. **J Bacteriol** 1980 Aug;143(2):603–12

Identification of an actin-like protein and of its messenger ribonucleic acid in Saccharomyces cerevisiae. Water RD, et al. **J Bacteriol** 1980 Dec;144(3):1143–51

Isolation and structure of a peptide hormone predicted from a mRNA sequence. A second somatostatin from the catfish pancreas. Andrews PC, et al. **J Biol Chem** 1981 Aug 25; 256(16):8267–70

Isolation and characterization of a DNA sequence complementary to an androgen-inducible messenger RNA from mouse kidney. Berger FG, et al. **J Biol Chem** 1981 Jul 10;256(13):7006–13

A single gonadotropin alpha-subunit gene in normal tissue and tumor-derived cell lines. Boothby M, et al. **J Biol Chem** 1981 May 25;256(10):5121–7

Messenger RNA sequence and primary structure of preproinsulin in a primitive vertebrate, the Atlantic hagfish. Chan SJ, et al. **J Biol Chem** 1981 Jul 25;256(14):7595–602

Amino acid sequence of the gene 0.3 protein of bacteriophage T7 and nucleotide sequence of its mRNA. Dunn JJ, et al. **J Biol Chem** 1981 Mar 10;256(5):2579–85

Physical and biological properties of an epsilon-heavy chain mRNA and a kappa-light chain mRNA coding for rat immunoglobulin E. Faust CH Jr, et al. **J Biol Chem** 1981 Mar 10;256(5):2262–7

Probable nuclear precursors of preprolactin mRNA in rat pituitary cells. Hoffman LM, et al. **J Biol Chem** 1981 Mar 25;256(6):2597–600

Coordinate induction of several mRNA species in rat kidney during glucocorticoid treatment. Iynedjian PB, et al. **J Biol Chem** 1981 Jul 10;256(13):7068–76

Procalcitonin is a glycoprotein. Jacobs JW, et al. **J Biol Chem** 1981 Mar 25;256(6):2803–7

Pancreatic pre-proglucagons are encoded by two separate mRNAs. Lund PK, et al. **J Biol Chem** 1981 Jul 10; 256(13):6515–8

Codon reading and translational error. Reading of the glutamine and lysine codons during protein synthesis in vitro. Lustig F, et al. **J Biol Chem** 1981 Mar 25; 256(6):2635–43

Glucocorticoid regulation of metallothionein-I mRNA synthesis in cultured mouse cells. Mayo KE, et al. **J Biol Chem** 1981 Mar 25;256(6):2621–4

Mouse actin messenger RNAs. Construction and characterization of a recombinant plasmid molecule containing a complementary DNA transcript of mouse alpha-actin mRNA. Minty AJ, et al. **J Biol Chem** 1981 Jan 25;256(2):1008–14

Structural gene products of the Ah complex. Increases in large mRNA from mouse liver associated with cytochrome P1-450 induction by 3-methylcholanthrene. Negishi M, et al. **J Biol Chem** 1981 Mar 25;256(6):3085–91

Steroid hormone regulation of ovalbumin and conalbumin gene transcription. A model based upon multiple regulatory sites and intermediary proteins. Palmiter RD, et al. **J Biol Chem** 1981 Aug 10;256(15):7910–6

Changes in the type II and type I collagen messenger RNA population during growth of chondrocytes in 5-bromo-2-deoxyuridine. Pawlowski PJ, et al. **J Biol Chem** 1981 Aug 10;256(15):7695–8

Protein synthesis in rabbit reticulocytes. Co-eIF-2A reverses mRNA inhibition of ternary complex (Met-tRNAf.eIF-2.GTP) formation by eIF-2. Roy R, et al. **J Biol Chem** 1981 May 25;256(10):4719–22

Further characterization of ribosome releasing factor and evidence that it prevents ribosomes from reading through a termination codon. Ryoji M, et al. **J Biol Chem** 1981 Jun 10;256(11):5798–801

Nutritional and hormonal regulation of the translatable levels of malic enzyme and albumin mRNAs in avian liver cells in vivo and in culture. Siddiqui UA, et al. **J Biol Chem** 1981 May 10;256(9):4544–50

Light-stimulated increase of translatable mRNA for phosphoenolpyruvate carboxylase in leaves of maize. Sims TL, et al. **J Biol Chem** 1981 Aug 25;256(16):8252–5

Procollagen production and procollagen messenger RNA levels and activity in human lung fibroblasts during periods of rapid and stationary growth. Tolstoshev P, et al. **J Biol Chem** 1981 Mar 25;256(6):3135–40

Purification and characterization of mRNA from soybean seeds. Identification of glycinin and beta-conglycinin precursors. Tumer NE, et al. **J Biol Chem** 1981 Aug 25; 256(16):8756–60

Primary sequence of ovomucoid messenger RNA as determined from cloned complementary DNA. Catterall JF, et al. **J Cell Biol** 1980 NOV;87(2 Pt 1):480–7

Membrane-bound ribosomes of myeloma cells. VI. Initiation of immunoglobulin mRNA translation occurs on free ribosomes. Mechler B. **J Cell Biol** 1981 Jan;88(1):42–50

Commitment of chick oviduct tubular gland cells to produce ovalbumin mRNA during hormonal withdrawal and restimulation. Shepherd JH, et al. **J Cell Biol** 1980 Oct; 87(1):142–51

Differentiation of the mRNA transcripts originating from the alpha 1- and alpha 2-globin loci in normals and alpha-thalassemics. Liebhaber SA, et al. **J Clin Invest** 1981 Aug;68(2):439–46

The structural proteins of rabies virus and evidence for their synthesis from separate monocistronic RNA species. Coslett GD, et al. **J Gen Virol** 1980 Jul;49(1):161–80

Molecular evolution of mRNA: a method for estimating evolutionary rates of synonymous and amino acid substitutions from homologous nucleotide sequences and its application. Miyata T, et al. **J Mol Evol** 1980 Sep; 16(1):23–36

Homologous mammalian brain cell lysate system for the initiation and translation of exogenous mRNAs. Gilbert BE, et al. **J Neurochem** 1981 Aug;37(2):325–32

Effect of heme on globin messenger RNA synthesis in spleen erythroid cells. Fuchs O, et al. **J Supramol Struct** 1981; 15(1):73–81

Gene and mRNA for precursor polypeptide VI from adenovirus type 2. Akusjärvi G, et al. **J Virol** 1981 May; 38(2):469–82

Detailed characterization of the mRNA mapping in the HindIII fragment K region of the herpes simplex virus type 1 genome. Anderson KP, et al. **J Virol** 1981 Mar; 37(3):1011–27

Avian erythroblastosis virus produces two mRNA's. Anderson SM, et al. **J Virol** 1980 Dec;36(3):676–83

Polyoma virus DNA: Sequence from the late region that specifies the leader sequence for late mRNA and codes for VP2, VP3, and the N-terminus of VP1. Arrand JR, et al. **J Virol** 1980 Feb;33(2):606–18

Hybridization selection and cell-free translation of mRNA's encoded within the inverted terminal repetition of the vaccinia virus genome. Cooper JA, et al. **J Virol** 1981 Jan; 37(1):284–94

Characterization of a major late herpes simplex virus type 1 mRNA. Costa RH, et al. **J Virol** 1981 May;38(2):483–96

Encephalomyocarditis viral RNA can be translated under conditions of poliovirus-induced translation shutoff in vivo. Detjen BM, et al. **J Virol** 1981 May;38(2):777–81

Topography of the three late mRNA's of polyoma virus which encode the virion proteins. Kamen R, et al. **J Virol** 1980 Feb;33(2):637–51

Translational control of protein synthesis after infection by vesicular stomatitis virus. Lodish HF, et al. **J Virol** 1980 Dec;36(3):719–33

Mapping of the viral mRNA encoding a super-T antigen of 115,000 daltons expressed in simian virus 40-transformed rat cell lines. May E, et al. **J Virol** 1981 Jan;37(1):24–35

Analysis of bacteriophage SP82 major 'early' in vitro transcripts. Panganiban AT, et al. **J Virol** 1981 Jan; 37(1):372–82

Construction of a specific amber codon in the simian virus 40 T-antigen gene by site-directed mutagenesis. Rawlins DR, et al. **J Virol** 1980 Nov;36(2):611–6

Polyadenylation sites for influenza virus mRNA. Robertson JS, et al. **J Virol** 1981 Apr;38(1):157–63

Mapping of adenovirus 12 mRNA's transcribed from the transforming region. Sawada Y, et al. **J Virol** 1980 Dec; 36(3):639–51

In vivo transcription of the 5'-terminal extracistronic region of vesicular stomatitis virus RNA. Schubert M, et al. **J Virol** 1981 Apr;38(1):256–62

Structures of two spliced herpes simplex virus type 1 immediate-early mRNA's which map at the junctions of the unique and reiterated regions of the virus DNA S component. Watson RJ, et al. **J Virol** 1981 Jan;37(1):431–44

Rabies mRNA translation in Xenopus laevis oocytes. Wunner WH, et al. **J Virol** 1980 Oct;36(1):133–42

Unique species of mRNA from adenovirus type 7 early region 1 in cells transformed by adenovirus type 7 DNA fragment. Yoshida K, et al. **J Virol** 1980 Nov;36(2):337–52

Homologies among ribosomal RNA and messenger RNA genes in chloroplasts, mitochondria and E. coli. Bohnert HJ, et al. **MGG** 1980;179(3):539–45

Protein synthesis with membrane-bound polysomes and albumin messenger RNA from livers of mutant mice. Garland RC, et al. **Mol Cell Biochem** 1981 Apr 13; 36(1):29–35

Hormonal control of uteroglobin secretion and preuteroglobin mRNA content in rabbit endometrium. Heins B, et al. **Mol Cell Endocrinol** 1981 Feb;21(2):139–50

A small RNA complementary to an intervening sequence is produced late in SV40 infection. Campos R, et al. **Nature** 1981 May 28;291(5813):344–6

Escherichia coli lac operator mRNA affects translation initiation of beta-galactosidase mRNA. Cannistraro VJ, et al. **Nature** 1979 Feb 1;277(5695):407–9

A gene chimaera of SV40 and mouse beta-globin is transcribed and properly spliced. Chu G, et al. **Nature** 1981 Jan 29;289(5796):378–82

Relationship between crystallin mRNA expression in retina cells and their capacity to re-differentiate into lens cells. Clayton RM, et al. **Nature** 1979 Dec 6;282(5739):628–9

Message sequences and short repetitive sequences are interspersed in sea urchin egg poly(A)+ RNAs. Costantini FD, et al. **Nature** 1980 Sep 11;287(5778):111–7

Post-transcriptional regulation of gene expression in guinea pig tissues. Craig RK, et al. **Nature** 1980 Dec 11; 288(5791):618–9

An immunoglobulin deletion mutant with implications for the heavy-chain switch and RNA splicing. Dunnick W, et al. **Nature** 1980 Aug 14;286(5774):669–75

Nucleotide sequence of cdna coding for Semliki Forest virus membrane glycoproteins. Garoff H, et al. **Nature** 1980 Nov 20;288(5788):236–41

Mouse liver and salivary gland alpha-amylase mRNAs differ only in 5' non-translated sequences. Hagenbüchle O, et al. **Nature** 1981 Feb 19;289(5799):643–6

Structure of a family of rat amylase genes. MacDonald RJ, et al. **Nature** 1980 Sep 11;287(5778):117–22

Rabbit beta-globin mRNA production in mouse L cells transformed with cloned rabbit beta-globin chromosomal DNA. Mantei N, et al. **Nature** 1979 Sep 6;281(5726):40–6

Distinctive features of the 5'-terminal sequences of the human mitochondrial mRNAs. Montoya J, et al. **Nature** 1981 Apr 9;290(5806):465–70

tRNA punctuation model of RNA processing in human mitochondria. Ojala D, et al. **Nature** 1981 Apr 9; 290(5806):470–4

The putative mRNA for subunit II of human cytochrome c oxidase starts directly at the translation initiator codon. Ojala DK, et al. **Nature** 1980 Sep 4;287(5777):79–82

Structure of two spliced mRNAs from the transforming region of human subgroup C adenoviruses. Perricaudet M, et al. **Nature** 1979 Oct 25;281(5733):694–6

Altered expression of the calcitonin gene associated with RNA polymorphism. Rosenfeld MG, et al. **Nature** 1981 Mar 5;290(5801):63–5

Transcription of single-copy vitellogenin gene of Xenopus involves expression of middle repetitive DNA. Ryffel GU, et al. **Nature** 1981 Jun 4;291(5814):429–31

Heterogeneity of poly(I) x poly(C)-induced human fibroblast interferon mRNA species. Sehgal PB, et al. **Nature** 1980 Nov 6;288(5786):95–7

An adenovirus mutant defective in splicing RNA from early region 1A. Solnick D. **Nature** 1981 Jun 11;291(5815):508–10

Active multi-subunit ACh receptor assembled by translation of heterologous mRNA in Xenopus oocytes. Sumikawa K, et al. **Nature** 1981 Aug 27;292(5826):862–4

Nucleotide and corresponding amino acid sequences encoded by alpha and beta tubulin mRNAs. Valenzuela P, et al. **Nature** 1981 Feb 19;289(5799):650–5

Delayed recruitment of maternal histone H3 mRNA in sea urchin embryos. Wells DE, et al. **Nature** 1981 Jul 30; 292(5822):477–8

Transcription and RNA processing by the DNA tumour viruses. Ziff EB. **Nature** 1980 Oct 9;287(5782):491–9 (212 ref.)

The sequence of the 3' non-coding region of the hexon mRNA discloses a novel adenovirus gene. Akusjärvi G, et al. **Nucleic Acids Res** 1981 Jan 10;9(1):1–17

Alcohol dehydrogenase in Drosophila: isolation and characterization of messenger RNA and cDNA clone. Benyajati C, et al. **Nucleic Acids Res** 1980 Dec 11; 8(23):5649–67

Alignment of the amino terminal amino acid sequence of human cytochrome c oxidase subunits I and II with the sequence of their putative mRNAs. Chomyn A, et al. **Nucleic Acids Res** 1981 Feb 25;9(4):867–77

Yeast histone mRNA is polyadenylated. Fahrner K, et al. **Nucleic Acids Res** 1980 Dec 11;8(23):5725–37

Molecular analysis of the protamine multi-gene family in rainbow trout testis. Gedamu L, et al. **Nucleic Acids Res** 1981 Mar 25;9(6):1463–82

Synthesis, restriction analysis, and molecular cloning of near full length DNA complementary to bovine parathyroid hormone mRNA. Gordon DF, et al. **Nucleic Acids Res** 1980 Dec 11;8(23):5669–83

Codon frequencies in 119 individual genes confirm consistent choices of degenerate bases according to genome type. Grantham R, et al. **Nucleic Acids Res** 1980 May 10; 8(9):1893–912

In vitro splicing of SV40 late mRNA in isolated nuclei from CV-1 cells. Hamada H, et al. **Nucleic Acids Res** 1980 Feb 11;8(3):587–99

Nucleotide sequences and mapping of novel heterogenous 5'-termini of adenovirus 2 early region 4 mRNA. Hashimoto S, et al. **Nucleic Acids Res** 1981 Apr 10; 9(7):1675–89

Localization of the Tn5 transposase promoter using the cycling reaction of RNA polymerase. Johnson RC, et al. **Nucleic Acids Res** 1981 Apr 24;9(8):1873–83

Intervening sequences in a Dictyostelium gene that encodes a low abundance class mRNA. Kimmel AR, et al. **Nucleic Acids Res** 1980 Dec 11;8(23):5599–610

The nucleotide sequence of the ubiquitous repetitive DNA sequence B1 complementary to the most abundant class of mouse fold-back RNA. Krayev AS, et al. **Nucleic Acids Res** 1980 Mar 25;8(6):1201–15

5'-Terminal sequences of eucaryotic mRNA can be cloned with high efficiency. Land H, et al. **Nucleic Acids Res** 1981 May 25;9(10):2251–66

Molecular cloning of Chinese hamster dihydrofolate reductase-specific cDNA and the identification of multiple dihydrofolate reductase mRNAs in antifolate-resistant Chinese hamster lung fibroblasts. Lewis JA, et al. **Nucleic Acids Res** 1981 Mar 25;9(6):1311–22

Heterogeneity of the 5' terminus of hen ovalbumin messenger ribonucleic acid. Malek LT, et al. **Nucleic Acids Res** 1981 Apr 10;9(7):1657–73

The sequence at the 3' terminus of mouse immunoglobulin secreted mu chain messenger RNA determined from cloned cDNA. Matthyssens G, et al. **Nucleic Acids Res** 1980 Feb 25;8(4):703–13

General occurrence and transcription of intervening sequences in mouse genes expressed via polyadenylated mRNA. Maxwell IH, et al. **Nucleic Acids Res** 1980 Dec 11;8(23):5875–94

Translational regulation by ribosomal protein S8 in Escherichia coli: structural homology between rRNA binding site and feedback target on mRNA. Olins PO, et al. **Nucleic Acids Res** 1981 Apr 10;9(7):1757–64

Heterogeneity of interferon mRNA species from Sendai virus–induced human lymphoblastoid (Namalva) cells and Newcastle disease virus–induced murine fibroblastoid (L) cells. Sagar AD, et al. **Nucleic Acids Res** 1981 Jan 10; 9(1):149–60

Structure of the constant and 3' untranslated regions of the murine Balb/c gamma 2a heavy chain messenger RNA. Sikorav JL, et al. **Nucleic Acids Res** 1980 Jul 25; 8(14):3143–55

Sequences hybridizing to mRNA, oligo(dT) and dsRNA from pre–mRNA are contiguous in the cloned mouse DNA fragments. Tokarskaya ON, et al. **Nucleic Acids Res** 1980 Feb 11;8(3):425–40

Multiple polyadenylation sites in a mouse alpha–amylase gene. Tosi M, et al. **Nucleic Acids Res** 1981 May 25; 9(10):2313–23

Characterisation of polyoma late mRNA leader sequences by molecular cloning and DNA sequence analysis. Treisman R. **Nucleic Acids Res** 1980 Nov 11;8(21):4867–88

The construction of a recombinant cDNA library representative of the poly(A)+ mRNA population from normal human lymphocytes. Woods D, et al. **Nucleic Acids Res** 1980 Nov 25;8(22):5157–68

Characterization of rat calcitonin mRNA. Amara SG, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4444–8

Translation of tyrosine hydroxylase from poly(A)–mRNA in pheochromocytoma cells is enhanced by dexamethasone. Baetge EE, et al. **Proc Natl Acad Sci USA** 1981 Feb; 78(2):1269–73

Different pattern of codon recognition by mammalian mitochondrial tRNAs. Barrell BG, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3164–6

Codon recognition rules in yeast mitochondria. Bonitz SG, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3167–70

Both the 7–methyl and the 2'–O–methyl groups in the cap of mRNA strongly influence its ability to act as primer for influenza virus RNA transcription. Bouloy M, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):3952–6

Bacteriorhodopsin: partial sequence of mRNA provides amino acid sequence in the precursor region. Chang SH, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3398–402

Comparison of poly(A)–mRNA prepared from membranes and free polyribosomes of mouse liver. Clissold PM, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3697–701

DNA sequences preceding the rabbit beta–globin gene are required for formation in mouse L cells of beta–globin RNA with the correct 5' terminus. Dierks P, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1411–5

Cloning and partial nucleotide sequence of human immunoglobulin mu chain cDNA from B cells and mouse–human hybridomas. Dolby TW, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):6027–31

Isolation and characterization of the mouse metallothionein–I gene. Durnam DM, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6511–5

Unspliced functional late 19S mRNAs containing intervening sequences are produced by a late leader mutant of simian virus 40. Ghosh PK, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1386–90

Expression of early genes of origin–defective mutants of simian virus 40. Gluzman Y, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):3898–902

Polycistronic vesicular stomatitis virus RNA transcripts. Herman RC, et al. **Proc Natl Acad Sci USA** 1980 Aug; 77(8):4662–5

Posttranscriptional modification of mRNA conformation: mechanism that regulates erythromycin–induced resistance. Horinouchi S, et al. **Proc Natl Acad Sci USA** 1980 Dec; 77(12):7079–83

Translational stability of native and deadenylylated rabbit globin mRNA injected into HeLa cells. Huez G, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):908–11

Sequence homology between RNAs encoding rat alpha–fetoprotein and rat serum albumin. Jagodzinski LL, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3521–5

Transcripts of the immunoglobulin C mu gene vary in structure and splicing during lymphoid development. Kemp DJ, et al. **Proc Natl Acad Sci USA** 1980 Dec; 77(12):7400–4

Induction of translatable mRNA for dopa decarboxylase in Drosophila: an early response to ecdysterone. Kraminsky GP, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4175–9

cDNA clone coding for part of a mouse H–2d major histocompatibility antigen. Kvist S, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):2772–6

Processing of human beta–globin mRNA precursor to mRNA is defective in three patients with beta+–thalassemia. Maquat LE, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4287–91

Nucleotide sequence divergence and functional constraint in mRNA evolution. Miyata T, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7328–32

Nonrandom patterns of codon usage and of nucleotide substitutions in human alpha– and beta–globin genes: an evolutionary strategy reducing the rate of mutations with drastic effects? Modiano G, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):1110–4

Expression of IgD may use both DNA rearrangement and RNA splicing mechanisms. Moore KW, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1800–4

A cloned calmodulin structural gene probe is complementary to DNA sequences from diverse species. Munjaal RP, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2330–4

Cloning a cDNA for the pro–alpha 2 chain of human type I collagen. Myers JC, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3516–20

Mouse beta 2–microglobulin cDNA clones: a screening procedure for cDNA clones corresponding to rare mRNAs. Parnes JR, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2253–7

Gene duplication and transposition linked to antigenic variation in Trypanosoma brucei. Pays E, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):2673–7

Multiple mRNA species for the precursor to an adenovirus–encoded glycoprotein: identification and structure of the signal sequence. Persson H, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6349–53

5'–Terminal nucleotide sequence of Semliki forest virus 18S defective interfering RNA is heterogeneous and different from the genomic 42S RNA. Pettersson RF. **Proc Natl Acad Sci USA** 1981 Jan;78(1):115–9

Effect of phenobarbital on the level of translatable rat liver epoxide hydrolase mRNA. Pickett CB, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):893–7

Electron microscope study of duck globin mRNA precursor crosslinked in situ. Reymond C, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4683–7

Nucleotide sequence of the 26S mRNA of Sindbis virus and deduced sequence of the encoded virus structural proteins. Rice CM, et al. **Proc Natl Acad Sci USA** 1981 Apr; 78(4):2062–6

Translational activity and functional stability of human fibroblast beta 1 and beta 2 interferon mRNAs lacking 3'–terminal RNA sequences. Soreq H, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1741–5

Molecular cloning of human interferon cDNA. Taniguchi T, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4003–6

Two interferon mRNAs in human fibroblasts: in vitro translation and Escherichia coli cloning studies. Weissenbach J, et al. **Proc Natl Acad Sci USA** 1980 Dec; 77(12):7152–6

Comparison of the nucleic acid sequence of anglerfish and mammalian insulin mRNA's from cloned cDNA's. Hobart PM, et al. **Science** 1980 Dec 19;210(4476):1360–3

Calcitonin messenger RNA encodes multiple polypeptides in a single precursor. Jacobs JW, et al. **Science** 1981 Jul 24;213(4506):457–9

Pancreatic islet–acinar cell interaction: amylase messenger RNA levels ar determined by insulin. Korc M, et al. **Science** 1981 Jul 17;213(4505):351–3

Mouse immunoglobulin D: messenger RNA and genomic DNA sequences. Tucker PW, et al. **Science** 1980 Sep 19; 209(4463):1353–60

Size and genetic content of virus–specific RNA in myeloblasts transformed by avian myeloblastosis virus (AMV). Chen JH, et al. **Virology** 1981 Apr 15; 110(1):128–36

A mutation increasing the size of the polyoma virion proteins, VP2 and VP3. Eckhart W, et al. **Virology** 1981 Feb; 109(1):35–46

Cell–free translation of early and late mRNAs selected by hybridization to cloned DNA fragments derived from the left 14 million to 72 million daltons of the vaccinia virus genome. Isle HB, et al. **Virology** 1981 Jul 15;112(1):306–17

Poly(A)–adjacent sequence of the 14.5 S mRNA of vesicular stomatitis virus (New Jersey serotype). Rhodes DP, et al. **Virology** 1980 Aug;105(1):297–300

Adenovirus type 2 early proteins: assignment of the early region 1A proteins synthesized in vivo and in vitro to specific mRNAs. Smart JE, et al. **Virology** 1981 Jul 30; 112(2):703–13

Cell–free translation of purified avian sarcoma virus src mRNA. Weiss SR, et al. **Virology** 1981 Apr 30;110(2):476–8

[Translation of chicken interferon messenger in a cell–free protein synthesis system and in a cell culture] Sokolova TM, et al. **Antibiotiki** 1981 Jul;26(7):537–45 (Eng. Abstr.) **(Rus)**

[Certain properties of transcribed fragments of the mouse genome cloned in plasmid pBR322] Tokarskaia ON, et al. **Genetika (Moskva)** 1980;16(10):1741–52 (Eng. Abstr.) **(Rus)**

[Complementary DNA synthesis on templates of alphavirus and interferon messenger RNA] Uryvaev LV, et al. **Vestn Akad Med Nauk SSSR** 1981;(2):71–7 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Presence of antigenic determinants in mRNA–containing RNP particles of immune B–lymphocytes] Nikolaeva AI. **Biokhimiia** 1980 Jan;45(1):146–56 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Isolation of polysomes from larval and adult Drosophila melanogaster. Bradford CT, et al. **Anal Biochem** 1981 Mar 15;112(1):176–81

High–resolution preparative gel electrophoresis: separation and recovery of functional messenger RNA species. Wertz GW, et al. **Anal Biochem** 1980 Jul 15;106(1):148–55

Characterization of two different messenger ribonucleoprotein particles isolated from a postpolysomal fraction of the rabbit reticulocyte lysate. Buhl WJ, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1108–16

Purification of messenger RNA coding for rat liver aldolase B subunit. Tsutsumi K, et al. **Biochem Biophys Res Commun** 1981 May 15;100(1):407–12

Isolation and characterisation of a non–polyadenylated mRNA species with an affinity for poly(adenylic acid) from Friend leukaemia cells. Katinakis PK, et al. **Biochim Biophys Acta** 1981 Mar 26;653(1):27–38

Poly(adenylic acid)–containing and –deficient messenger RNA of mouse liver. Moffett RB, et al. **Biochim Biophys Acta** 1981 Jan 29;652(1):177–92

The isolation and characterization of fatty–acid synthetase mRNA from rat mammary gland. Mattick JS, et al. **Eur J Biochem** 1981 Mar;114(3):643–51

Distribution of low–molecular–weight RNAs in avian erythroblast nuclear ribonucleoprotein complexes associated with pre–messenger RNA. Maxwell ES, et al. **Eur J Biochem** 1981 Jan;113(2):233–47

Partial purification of the alpha–tubulin and beta–tubulin messenger RNAs from rat brain. Portier MM, et al. **Eur J Biochem** 1980 Dec;112(3):601–9

Purification of messenger ribonucleoprotein particles from rabbit reticulocytes by zonal centrifugation in metrizamide. Rittschof D, et al. **Eur J Biochem** 1981 Mar 16;115(1):45–52

Non–polysomal poly(A)–containing messenger ribonucleoproteins of cryptobiotic gastrulae of Artemia salina. Slegers H, et al. **Eur J Biochem** 1981 Jun; 117(1):111–20

SV40–transformed hamster lens epithelial cells: a novel system for the isolation of cytoskeletal messenger RNAs and their translation products. Bloemendal H, et al. **Exp Eye Res** 1980 Nov;31(5):513–25

Messenger RNA hybridized with the DNA isolated from hepatitis B Dane particles. Yokota T, et al. **Fukushima J Med Sci** 1979;26(3–4):111–9

Isolation and characterization of the antifreeze protein messenger RNA from the winter flounder. Davies PL, et al. **J Biol Chem** 1980 Sep 25;255(18):8729–34

The isolation and characterization of HeLa cell messenger RNA–like molecules containing uridylic acid–rich oligonucleotide sequences. Molloy GR. **J Biol Chem** 1980 Nov 10;255(21):10375–81

An immunochemical method for mRNA purification. Application to messenger RNA encoding trypanosome variable surface antigen. Shapiro SZ, et al. **J Biol Chem** 1981 Feb 25;256(4):1495–8

Isolation of giant silk fibroin polysomes and fibroin mRNP particles using a novel ribonuclease inhibitor, hydroxystilbamidine. Lizardi PM. **J Cell Biol** 1980 Oct; 87(1):292–6

The isolation of wool keratin messenger RNA from sheep. Ward KA, et al. **J Invest Dermatol** 1980 Sep;75(3):244–7

Isolation and characterization of structurally and functionally intact polyribosomes and mRNA from rat heart muscle. Zähringer J, et al. **J Mol Cell Cardiol** 1981 Feb;13(2):127–46

The preparation of biologically active messenger RNA from human postmortem brain tissue. Gilbert JM, et al. **J Neurochem** 1981 Mar;36(3):976–84

Isolation and translation of mRNA encoded by a specific region of the herpes simplex virus type 1 genome. Anderson KP, et al. **J Virol** 1980 Feb;33(2):749–59

Antibody–mediated polysome precipitation as a method for the size determination of viral mRNA species: viral envelope glycoprotein mRNA of avian sarcoma viruses. Netuschil L, et al. **J Virol Methods** 1980;1(2):99–112

Isolation of Trypanosoma brucei variant specific antigen mRNA by immunoprecipitation of polysomes. Cordingley JS, et al. **Mol Biochem Parasitol** 1980 Jun;1(3):129–37

Purification and cell–free translation of mRNA coding for a variant specific antigen from Trypanosoma brucei gambiense. Merritt SC. **Mol Biochem Parasitol** 1980 Jun; 1(3):151–66

Isolation of globin pre–messenger RNA on thiol–agarose by terminally mercurated complementary DNA. Kessler–Icekson G, et al. **Mol Biol Rep** 1981 May 22; 7(1–3):83–92

Highly purified ceruloplasmin messenger RNA from rat liver. Physico–chemical and functional characteristics. Gaitskhoki VS, et al. **Mol Cell Biochem** 1981 Mar 27; 35(3):171–82

Purification of major abundance class of poly(A+)–RNA from rat ventral prostate. Mansson PE, et al. **Mol Cell Endocrinol** 1980 Sep;19(3):229–41

Isolation of catfish proinsulin messenger RNA and synthesis of its complementary DNA. Permutt MA, et al. **Mol Cell Endocrinol** 1980 Aug;19(2):197–211

mRNA species directing synthesis of milk proteins in normal and tumour tissue from human mammary gland. Hall L, et al. **Nature** 1979 Jan 4;277(5691):54–6

The messenger RNA sequences in human fibroblast cells

induced with poly rI.rC to produce interferon. Raj NB, et al. **Nucleic Acids Res** 1980 Aug 11;8(15):3427–37

The isolation of ecdysterone inducible genes by hybridization subtraction chromatography. Vitek MP, et al. **Nucleic Acids Res** 1981 Mar 11;9(5):1191–1202

Purification of thymus mRNA coding for a 16,000-dalton polypeptide containing the thymosin alpha 1 sequence. Freire M, et al. **Proc Natl Acad Sci USA** 1981 Jan; 78(1):192–5

Le interferon mRNA from human fibroblasts. Pang RH, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5341–5

Immunoselection of simian virus 40 large T antigen messenger rnas from transformed cells. Oren M, et al. **Virology** 1981 Sep;113(2):790–3

Isolation and identification of virus-specific mRNAs in cells infected with mouse hepatitis virus (MHV-A59). Spaan WJ, et al. **Virology** 1981 Jan 30;108(2):424–34

[Messenger nucleic acids of eukaryocytes] Chantrenne H. **Bull Mem Acad R Med Belg** 1980 Apr 26;135(4):251–60 (Eng. Abstr.) **(Fre)**

[Genetic manipulation. IV. Isolation of mRNA and preparation of cDNA] **Tanpakushitsu Kakusan Koso** 1981; 26(4 Suppl):611–643 **(Jpn)**

[Isolation of a clonothèque (clone bank) of recombinant DNA containing the mRNA nucleotide sequences of the crystalline lens in the frog, Rana temporaria. Kozlov KA, et al. **Dokl Akad Nauk SSSR** 1980;255(6):1503–6 **(Rus)**

[Isolation and characteristics of the 8--10S poly(A)-containing mRNA fraction from mid-blastula stage Stronglyocentrotus intermedius sea urchin embryos] Sova VV, et al. **Mol Biol (Mosk)** 1980 Nov-Dec; 14(6):1243–52 (Eng. Abstr.) **(Rus)**

[Isolation of interferon messenger RNA and the synthesis of the double-stranded DNA product] Uryvaev LV, et al. **Vopr Virusol** 1980 Nov-Dec;(6):667–71 (Eng. Abstr.) **(Rus)**

METABOLISM

Preparation and characterization of a cell-free system from Chinese hamster ovary cells that translates natural messenger ribonucleic acid and analysis of intermediary reactions. Fischer I, et al. **Anal Biochem** 1981 May 1; 113(1):13–26

The site at which late mRNAs are polyadenylated is altered in SV40 mutant dl882. Fitzgerald M, et al. **Ann NY Acad Sci** 1980;354:53–9

Regulation of tyrosine aminotransferase mRNA in HTC cells. Granner D, et al. **Ann NY Acad Sci** 1980;349:183–94

Mechanism of vesicular stomatitis virus mRNA decay. Pennica D, et al. **Arch Biochem Biophys** 1981 May; 208(2):403–8

Metabolism of poly (A)-containing mRNA in myocardium under normal physiological conditions and compensatory cardiac hyperfunction. Meerson FZ, et al. **Basic Res Cardiol** 1981 Mar-Apr;76(2):124–35

Estrogen regulation of specific messinger RNA's in human breast cancer cells. Adams DJ, et al. **Biochem Biophys Res Commun** 1980 Dec 31;97(4):1354–61

Complexity and complexity overlap in mouse liver polyadenylated and nonadenylated messenger RNA fractions. Bantle JA, et al. **Biochem Biophys Res Commun** 1980 Aug 29;95(4):1710–21

Molecular cloning of Pst I fragments from rat double stranded thyroglobulin complementary DNA. Brocas H, et al. **Biochem Biophys Res Commun** 1980 Oct 31; 96(4):1785–92

The elevation of alpha-fetoprotein messenger RNA in regenerating rat liver. Chiu JF, et al. **Biochem Biophys Res Commun** 1981 Jan 15;98(1):250–4

Kinetics and distribution of interferon mRNA in interferon-primed and unprimed mouse L-929 cells. Content J, et al. **Biochem Biophys Res Commun** 1980 Sep 16;96(1):415–24

Regulation of the escherichia coli tryptophan operon by readthrough of UGA termination codons. Engelberg-Kulka H, et al. **Biochem Biophys Res Commun** 1981 Feb 27;98(4):1008–15

Vaccinia viral core inhibits Met-tRNA.40S invitation complex formation with physiological mRNAs. Ghosh-Dastidar P, et al. **Biochem Biophys Res Commun** 1981 Apr 15;99(3):946–53

Cell-free translation of human pheochromocytoma messenger RNA yields protein(s) containing methionine-enkephalin. Giraud P, et al. **Biochem Biophys Res Commun** 1981 Apr 15;99(3):969–75

The synthesis of some proteins is affected in RNA processing mutants of Escherichia coli. Gitelman DR, et al. **Biochem Biophys Res Commun** 1980 Oct 16;96(3):1063–70

Amino terminal sequence of porcine pre-beta-lactoglobulin. Comparison with its ovine counterpart. Mercier JC, et al. **Biochem Biophys Res Commun** 1980 Nov 28;97(2):802–10

Prolactin-induced accumulation of casein mRNA in mouse mammary explants: a selective role of glucocorticoid. Nagaiah K, et al. **Biochem Biophys Res Commun** 1981 Jan 30;98(2):380–7

Immunospecific binding of capped mRNA of reovirus by an antibody to a cap structures; m7G(5')pppGm. Nakazato H. **Biochem Biophys Res Commun** 1980 Sep 16;96(1):400–7

Induction of translationally active rat liver glutathione S-transferase B messenger RNA by phenobarbital. Pickett CB, et al. **Biochem Biophys Res Commun** 1981 Apr 15; 99(3):1002–10

In vitro translation of mRNA from rat pheochromocytoma tumors, characterization of tyrosine hydroxylase. Thibault J, et al. **Biochem Biophys Res Commun** 1981 Apr 15; 99(3):960–8

Translation of human immune interferon messenger RNA in Xenopus laevis oocytes. Wallace DM, et al. **Biochem Biophys Res Commun** 1981 May 29;100(2):865–71

Androgenic regulation of messenger RNA in rat epididymis. D'Agostino A, et al. **Biochem J** 1980 Sep 15;190(3):505–12

Developmental changes in the protein and ribonucleic acid components of rat brain messenger ribonucleic acid-protein particles isolated from free polyribosomes by oligo(dT)-cellulose chromatography. Elliott RM, et al. **Biochem J** 1980 Jul 15;190(1):215–23

Induction of rat liver metallothionein mRNA and its distribution between free and membrane-bound polyribosomes. Shapiro SG, et al. **Biochem J** 1980 Sep 15; 190(3):755–64

Effect of chronic ethanol and sucrose ingestion on liver polysomal poly(A)mRNA content and incorporation of [5-(3)H]uridine into mRNA. Bantle JA, et al. **Biochem Pharmacol** 1980 Nov 1;29(21):2993–3001

Translation initiation site of the coat protein messenger ribonucleic acid of the cowpea strain of tobacco mosaic virus. Browning KS, et al. **Biochemistry** 1980 Dec 9; 19(25):5922–6

Complexes of alfalfa mosaic virus RNA 4 with one and three coat protein dimers. Houwing CJ, et al. **Biochemistry** 1980 Nov 11;19(23):5255–60

Preferential binding of 3'-terminal fragments of alfalfa mosaic virus RNA 4 to virions. Houwing CJ, et al. **Biochemistry** 1980 Nov 11;19(23):5261–4

Distribution of messenger ribonucleic acid in polysomes and nonpolysomal particles of sea urchin embryos: translational control of actin synthesis. Infante AA, et al. **Biochemistry** 1981 Jan 6;20(1):1–8

Cloning of rat alpha-fetoprotein 3'-terminal complementary deoxyribonucleic acid sequences and preparation of radioactively labeled hybridization probes from cloned deoxyribonucleic acid inserts. Liao WS, et al. **Biochemistry** 1981 Mar 17;20(6):1646–52

Regulated transport of messenger ribonucleic acid from isolated liver nuclei by nucleic acid binding proteins. Moffett RB, et al. **Biochemistry** 1981 May 26; 20(11):3253–62

Initiation of reovirus transcription by inosine 5'-triphosphate and properties of 7-methylinosine-capped, inosine-substituted messenger ribonucleic acids. Morgan MA, et al. **Biochemistry** 1980 Dec 23;19(26):5960–6

Developmental changes in the methylation silkmoth follicular epithelial messenger ribonucleic acid. Morrow CS, et al. **Biochemistry** 1981 Apr 14;20(8):2086–91

Association of poly(adenylate)-deficient messenger ribonucleic acid with membranes in mouse kidney. Ouellette AJ, et al. **Biochemistry** 1981 Jun 9;20(12):3561–7

Cytoplasmic low molecular weight ribonucleic acid species of chick embryonic muscles, a potent inhibitor of messenger ribonucleic acid translation in vitro. Pluskal MG, et al. **Biochemistry** 1981 Mar 31;20(7):2048–55

Regulation of muscle differentiation: cloning of sequences from alpha-actin messenger ribonucleic acid. Schwartz RJ, et al. **Biochemistry** 1980 Dec 9;19(25):5883–90

Isolation and cell-free translation of messenger ribonucleic acids specifying thymus-leukemia antigens. Slomski R, et al. **Biochemistry** 1980 Nov 25;19(24):5659–64

Interaction of elongation factor Tu with the aminoacyl transfer ribonucleic acid dimer Phe-tRNA-Glu-tRNA. Yamane T, et al. **Biochemistry** 1981 Jan 20;20(2):449–52

Globin mRNA in Friend cells: its structure, function and synthesis. Curtis PJ. **Biochim Biophys Acta** 1980 Sep 22; 605(3):347–64 (152 ref.)

The identification of cytochrome P-450-LM2 synthesized in vitro from a rabbit liver polysomal mRNA template. DiLella AG, et al. **Biochim Biophys Acta** 1981 Jan 29; 652(1):223–7

Synthesis of complementary DNAs to partially purified mRNAs coding for the storage proteins of Pisum sativum (L). Evans IM, et al. **Biochim Biophys Acta** 1980 Nov 14; 610(1):81–95

Albumin messenger RNA after partial hepatectomy and sham operation. Krieg L, et al. **Biochim Biophys Acta** 1980 Dec 11;610(2):311–7

Catfish vitellogenin and its messenger RNA are smaller than their chicken and Xenopus counterparts. Roach AH, et al. **Biochim Biophys Acta** 1980 Dec 11;610(2):400–12

Effect of thyrotropin on the properties of messenger RNA from cultured human thyroid cells. Wadeleux PA, et al. **Biochim Biophys Acta** 1981 Jan 29;652(1):64–71

Regulation of calcium-binding protein messenger RNA by 1,25-dihydroxycholecalciferol. Charles MA, et al. **Calcif Tissue Int** 1981;33(1):15–8

Comparison of the sequence complexity and abundance frequency of polyadenylated messenger RNA in human breast and prostate carcinoma cells. Arya SK. **Cancer Res** 1981 Sep;41(9 Pt 1):3566–70

Changes in polysomal polyadenylated RNA and alpha-fetoprotein messenger RNA during hepatocarcinogenesis. Atryzek V, et al. **Cancer Res** 1980 Oct;40(10):3713–8

In vitro incorporation of 3'-methyl-4-dimethylaminoazobenzene into liver nuclei and release of RNA from the nuclei. Patel NT, et al. **Cancer Res** 1981 Mar;41(3):743–51

Correlation of collagen synthesis and procollagen messenger RNA levels with transformation in rat embryo fibroblasts. Sandmeyer S, et al. **Cancer Res** 1981 Mar;41(3):830–8

Lack of effective messenger RNA for beta 2-microglobulin in a gestational human choriocarcinoma cell line (GCH-1). Tanaka K, et al. **Cancer Res** 1981 Sep;41(9 Pt 1):3639–41

Changing rates of histone mRNA synthesis and turnover in Drosophila embryos. Anderson KV, et al. **Cell** 1980 Oct; 21(3):717–27

Synthesis and stability of developmentally regulated dictyostelium mRNAs are affected by cell--cell contact and cAMP. Chung S, et al. **Cell** 1981 Jun;24(3):785–97

Accumulation of individual pA+ RNAs during oogenesis of Xenopus laevis. Golden L, et al. **Cell** 1980 Dec; 22(3):835–44

Evaluation of the 'scanning model' for initiation of protein synthesis in eucaryotes. Kozak M. **Cell** 1980 Nov;22(1 Pt 1):7–8 (8 ref.)

Role of ATP in binding and migration of 40S ribosomal subunits. Kozak M. **Cell** 1980 Nov;22(2 Pt 2):459–67

The ovalbumin gene family: hormonal control of X and Y gene transcription and mRNA accumulation. LeMeur M, et al. **Cell** 1981 Feb;23(2):561–71

Expression of J chain RNA in cell lines representing different stages of B lymphocyte differentiation. Mather EL, et al. **Cell** 1981 Feb;23(2):369–78

Adenovirus early gene products may control viral mRNA accumulation and translation in vivo. Persson H, et al. **Cell** 1981 Feb;23(2):485–96

The effect of temperature-sensitive RNA mutants on the transcription products from cloned ribosomal protein genes of yeast. Rosbash M, et al. **Cell** 1981 Jun;24(3):679–86

Expression of a subgenomic retroviral messenger RNA. Stacey DW. **Cell** 1980 Oct;21(3):811–20

Stability of globin mRNA in terminally differentiating murine erythroleukemia cells. Volloch V, et al. **Cell** 1981 Feb; 23(2):509–14

Feedback regulation of ribosomal protein synthesis in E. coli: localization of the mRNA target sites for repressor action of ribosomal protein L1. Yates JL, et al. **Cell** 1981 Apr; 24(1):243–9

Renin precursor from mouse kidney identified by cell-free translation of messenger RNA. Poulsen K, et al. **Clin Sci** 1980 Oct;59(4):297–9

Metabolism of mRNA from the transforming region of adenovirus 2. Wilson MC, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):447–55

The effect of organ preservation on polysomal messenger RNA. Lazarus HM, et al. **Cryobiology** 1980 Dec; 17(6):557–62

RNA synthesis and coding capacity of polyadenylated and nonpolyadenylated mRNA from cultures of differentiating Drosophila melanogaster myoblasts. Bernstein SI, et al. **Dev Biol** 1980 Oct;79(2):388–98

Changes in the abundance of polyadenylated RNAs in development of Drosophila melanogaster analyzed with cloned DNA fragments. Biessmann H. **Dev Biol** 1981 Apr 15;83(1):62–8

Changes in the messenger RNA population during differentiation of dictyostelium discoideum. Blumberg DD, et al. **Dev Biol** 1980 Aug;78(2):285–300

Simultaneous synthesis, translation, and storage of mRNA including histone mRNA in sea urchin eggs. Brandhorst BP. **Dev Biol** 1980 Sep;79(1):139–48

A comparison between the synthesis of contractile proteins and the accumulation of their translatable mRNAs during calf myoblast differentiation. Daubas P, et al. **Dev Biol** 1981 May;84(1):133–43

The asynchrony of gamma- and beta-chain synthesis during human erythroid cell maturation. III. gamma- and beta-mRNA in immature and mature erythroid clones. Farquhar MN, et al. **Dev Biol** 1981 Jul 30;85(2):403–8

Abundance, diversity, and regulation of mRNA sequence sets in soybean embryogenesis. Goldberg RB, et al. **Dev Biol** 1981 Apr 30;83(2):201–17

Control mechanisms regulating gene expression during normal differentiation of myeloid leukemic cells: differentiation defective mutants blocked in mRNA production and mRNA translation. Hoffman-Liebermann B, et al. **Dev Biol** 1981 Jan 30;81(2):255–65

Changes in the polyadenylated messenger RNA population during development of Dictyostelium discoideum. Jacquet M, et al. **Dev Biol** 1981 Jan 15;81(1):155–66

Casein and alpha-lactalbumin messenger RNAs during the development of mouse mammary gland. Isolation, partial purification, and translation in a cell-free system. Takemoto T, et al. **Dev Biol** 1980 Aug;78(2):247–57

Developmental gene regulation in Aspergillus nidulans. Timberlake WE. **Dev Biol** 1980 Aug;78(2):497–510

Synthesis in vitro of corticosteroid-binding globulin from rat liver messenger ribonucleic acid. Wolf G, et al. **Endocrinology** 1981 Mar;108(3):805–11

Turnover of the poly(A) moiety of mRNA in wheat-germ extract. Abraham AK, et al. **Eur J Biochem** 1980 Sep; 110(1):1–5

Preferential translation of mRNAs in an mRNA-dependent reticulocyte lysate. Asselbergs FA, et al. **Eur J Biochem** 1980 Aug;109(1):159–65

Role of 16-S RNA in ribosome messenger recognition. Backendorf C, et al. **Eur J Biochem** 1980 Sep; 110(2):599–604

Utilization of polyadenylate mRNA during growth and starvation in Physarum polycephalum. Brown AJ, et al. **Eur J Biochem** 1980 Sep;110(2):413–20

Identification in Xenopus laevis of a class of oocyte–specific proteins bound to messenger RNA. Darnbrough CH, et al. **Eur J Biochem** 1981 Jan;113(3):415–24

Regulation of rat–liver tyrosine–aminotransferase mRNA by hydrocortisone and by N6,O2'–dibutyryladenosine 3',5'–phosphate. Diesterhaft M, et al. **Eur J Biochem** 1980 Jul;108(2):357–65

Implication of arginyl residues in mRNA binding to ribosomes. Hernández F, et al. **Eur J Biochem** 1980; 108(1):137–41

Four different vitellogenin proteins of Xenopus identified by translation in vitro. Jaggi RB, et al. **Eur J Biochem** 1980 Aug;109(2):343–7

Isolation of mRNA from bovine pituitary. The cell–free synthesis of the alpha and beta subunits of luteinizing hormone. Keller D, et al. **Eur J Biochem** 1980 Jul; 108(2):367–72

The sequestration, processing and retention of honey–bee promelittin made in amphibian oocytes. Lane CD, et al. **Eur J Biochem** 1981 Jan;113(2):273–81

Photo–induced crosslinking between phenylalanine transfer RNA and messenger RNA on the Escherichia coli ribosome. Matzke AJ, et al. **Eur J Biochem** 1980 Nov; 112(1):169–78

Synthesis in vitro of keratin polypeptides directed by mRNA isolated from newborn and adult mouse epidermis. Schweizer J, et al. **Eur J Biochem** 1980 Nov;112(2):243–9

Comparisons of proteins associated with duck–globin mRNA and its polyadenylated segment in polyribosomal and repressed free messenger ribonucleoprotein complexes. Vincent A, et al. **Eur J Biochem** 1981 Feb;114(2):179–93

A high production rate of translatable IgG mRNA accounts for the amplified synthesis of IgG in myeloma cells. Wallach M, et al. **Eur J Biochem** 1980 Sep;110(2):545–54

Messenger RNA for cataractous lens proteins are also present on normal lens polyribosomes. Weill JC, et al. **Eur J Biochem** 1980 Oct;111(2):593–601

Regulation of glyoxysomal enzymes during germination of cucumber. Temporal changes in translatable mRNAs for isocitrate lyase and malate synthase. Weir EM, et al. **Eur J Biochem** 1980 Dec;112(3):469–77

Effect of threonylcarbamoyl modification (t6A) in yeast tRNA Arg UI on codon–anticodon and anticodon–anticodon interactions. A thermodynamic and kinetic evaluation. Weissenbach J, et al. **Eur J Biochem** 1981 May;116(1):207–13

The influence of elongation–factor–Tu . GTP and anticodon–anticodon interactions on the anticodon loop conformation of yeast tRNATyr. Weygand–Durasevic I, et al. **Eur J Biochem** 1981 May;116(1):59–65

Translation of Zea mays endosperm sucrose–synthase mRNA in vitro. Wöstemeyer J, et al. **Eur J Biochem** 1981; 114(1):39–44

Early effect of testosterone on prostatic poly(A)RNA and its translation. Hiremath ST, et al. **Exp Cell Res** 1981 Jul; 134(1):193–200

Influence of m7GpppN mRNA caps on lens protein synthesis and on mRNA binding to ribosomes in a homologous lens translation system derived from embryonic chick lens cells. Lavers GC. **Exp Eye Res** 1980 Jun;30(6):747–50

Cell–free translation of the rat pituitary messenger RNA coding for the precursors of alpha and beta subunits of lutropin. Counis R, et al. **FEBS Lett** 1981 Jan 26; 123(2):151–5

Cell free translation of mRNA coding for human and murine calcitonin. Desplan C, et al. **FEBS Lett** 1980 Aug 11; 117(1):89–92

Mechanism of codon–anticodon interaction in ribosomes: codon–anticodon interaction of aminoacyl–tRNA at the ribosomal donor site. Kirillov SV, et al. **FEBS Lett** 1980 Nov 3;120(2):221–4

Mechanism of codon–anticodon interaction in ribosomes: comparative study of interaction of Phe–tRNAPhe and N–acetyl–Phe–tRNAPhe with the donor site of Escherichia coli ribosomes. Kirillov SV, et al. **FEBS Lett** 1981 Mar 9;125(1):15–9

The translational inhibitory 10 S cytoplasmic ribonucleoprotein of chicken embryonic muscle is distinct from messenger ribonucleoproteins. Mukherjee AK, et al. **FEBS Lett** 1981 May 5;127(1):133–8

Affinity labeling of proteins at the mRNA binding site of rat liver ribosomes by an analogue of octauridylate containing an alkylating group attached to the 3'–end. Stahl J, et al. **FEBS Lett** 1981 Jan 26;123(2):269–72

Mode of action of protein synthesis initiation factor eIF–1 from rabbit reticulocytes. Thomas A, et al. **FEBS Lett** 1980 Jul 11;116(1):67–71

Initiation of eukaryotic protein synthesis. Thomas AA, et al. **FEBS Lett** 1981 Jun 15;128(2):177–85 (113 ref.)

Two leaky termination codons in AMV RNA 1. Van Tol RG, et al. **FEBS Lett** 1980 Aug 25;118(1):67–71

Decrease of myo˜ardial mRNA in adriamycin–treated rats. Zähringer J, et al. **FEBS Lett** 1981 Jan 26;123(2):169–72

In vitro synthesis of sialyl transferase of bovine submaxillary gland. Antoniades D, et al. **Int J Biochem** 1981;13(6):749–52

Properties of polyadenylate–associated ribonucleic acid from Saccharomyces cerevisiae ascospores. Harper JF, et al. **J Bacteriol** 1980 Aug;143(2):958–65

Messenger ribonucleic acid and protein metabolism during sporulation of Saccharomyces cerevisiae. Kraig E, et al. **J Bacteriol** 1980 Dec;144(3):1098–1112

Evidence for messenger ribonucleic acid of an ammonium–inducible glutamate dehydrogenase and synthesis, covalent modification, and degradation of enzyme subunits in uninduced Chlorella sorokiniana cells. Turner KJ, et al. **J Bacteriol** 1981 May;146(2):578–89

Characterization of yeast iso–1–cytochrome c mRNA. Boss JM, et al. **J Biol Chem** 1980 Sep 25;255(18):8623–8

Amino acid sequence of the signal peptide of apoVLDL–II, a major apoprotein in avian very low density lipoproteins. Chan L, et al. **J Biol Chem** 1980 Nov 10;255(21):10060–3

Messenger RNA for alpha 2u–globulin of rat liver. Purification, partial characterization of the mRNA, and synthesis of a Hae III restriction fragment as its cDNA probe. Chatterjee B, et al. **J Biol Chem** 1980 Dec 10; 255(23):11607–13

Differential regulation of the messenger RNA for three major senescence marker proteins in male rat liver. Chatterjee B, et al. **J Biol Chem** 1981 Jun 25;256(12):5939–41

Dietary alteration of translatable mRNA sequences coding for rat liver pyruvate kinase. Cladaras C, et al. **J Biol Chem** 1980 Dec 10;255(23):11499–503

Cyclic AMP regulation of lactate dehydrogenase. Isoproterenol and N6,O2'–dibutyryl cyclic AMP increase the levels of lactate dehydrogenase–5 isozyme and its messenger RNA in rat C6 glioma cells. Derda DF, et al. **J Biol Chem** 1980 Dec 10;255(23):11112–21

Cotton messenger RNA sequences exist in both polyadenylated and nonpolyadenylated forms. Galau GA, et al. **J Biol Chem** 1981 Mar 10;256(5):2551–60

mRNA–dependent regulation of UDP–apiose synthase activity in irradiated plant cells. Gardiner SE, et al. **J Biol Chem** 1980 Nov 25;255(22):10752–7

Luteinizing and follicle–stimulating hormones. Cell–free translations of messenger RNAs coding for subunit precursors. Godine JE, et al. **J Biol Chem** 1980 Sep 25; 255(18):8780–3

Intestinal pre–prosomatostatin. Identification of mRNA coding for a precursor by cell–free translations and hybridization with a cloned islet cDNA. Goodman RH, et al. **J Biol Chem** 1981 Feb 25;256(4):1499–501

Haptoglobin. A novel mode of biosynthesis of a liver secretory glycoprotein. Haugen TH, et al. **J Biol Chem** 1981 Feb 10;256(3):1055–7

Effects of insulin on messenger RNA activities in rat liver. Hill RE, et al. **J Biol Chem** 1981 Feb 25;256(4):1510–3

Changes in rat alpha 1–fetoprotein and albumin mRNA levels during fetal and neonatal development. Liao WS, et al. **J Biol Chem** 1980 Nov 10;255(21):10036–9

Mechanism of action of progesterone in the rabbit endometrium. Induction of uteroglobin and its messenger RNA. Loosfelt H, et al. **J Biol Chem** 1981 Apr 10; 256(7):3465–70

Synthetic pre–proparathyroid hormone leader sequence inhibits cell–free processing of placental, parathyroid, and pituitary prehormones. Majzoub JA, et al. **J Biol Chem** 1980 Dec 10;255(23):11478–83

Dopaminergic inhibition of prolactin synthesis and prolactin messenger RNA accumulation in cultured pituitary cells. Maurer RA. **J Biol Chem** 1980 Sep 10;255(17):8092–7

Cell–free translation of carbamyl phosphate synthetase I and ornithine transcarbamylase messenger RNAs of rat liver. Effect of dietary protein and fasting on translatable mRNA levels. Mori M, et al. **J Biol Chem** 1981 Apr 25; 256(8):4127–32

Developmental alterations in the levels of translationally active messenger RNAs in the postnatal rat cerebellum. Morrison MR, et al. **J Biol Chem** 1981 Apr 10;256(7):3550–6

Regulation of phosphoenolpyruvate carboxykinase (GTP) mRNA turnover in rat liver. Nelson K, et al. **J Biol Chem** 1980 Sep 25;255(18):8509–15

Double–stranded RNA causes synthesis of 2',5'–oligo(A) and degradation of messenger RNA in interferon–treated cells. Nilsen TW, et al. **J Biol Chem** 1981 Aug 10;256(15):7806–11

Mouse complement components C3 and C4. Characterization of their messenger RNA and molecular cloning of complementary DNA for C3. Odink KG, et al. **J Biol Chem** 1981 Feb 10;256(3):1453–8

Cadmium–induced accumulation of metallothionein messenger RNA in rat liver. Ohi S, et al. **J Biol Chem** 1981 Mar 10;256(5):2180–4

On the mechanism of variation of pancreatic amylase levels in mouse strains. Owerbach D, et al. **J Biol Chem** 1981 Jun 25;256(12):6502–6

The role of mRNA levels and cellular localization in controlling sn–glycerol–3–phosphate dehydrogenase expression in tissues of the mouse. Ratner PL, et al. **J Biol Chem** 1981 Apr 10;256(7):3576–9

The effect of delta–aminolevulinate on catalase T–messenger RNA levels in delta–aminolevulinate synthase–defective mutants of Saccharomyces cerevisiae. Richter K, et al. **J Biol Chem** 1980 Sep 10;255(17):8019–22

Role of insulin the regulation of the hepatic messenger RNA for alpha 2u–globulin in diabetic rats. Roy AK, et al. **J Biol Chem** 1980 Dec 10;255(23):11614–8

Light–induced increase of mRNA activity coding for the small subunit of ribulose–1,5–bisphosphate carboxylase. Sasaki Y, et al. **J Biol Chem** 1981 Mar 10;256(5):2315–20

Functional inactivation of lac alpha–peptide mRNA by a factor that purifies that Escherichia coli RNase III. Shen V, et al. **J Biol Chem** 1981 Feb 25;256(4):1896–902

In vitro biosynthesis of somatostatin. Evidence for two distinct preprosomatostatin molecules. Shields D. **J Biol Chem** 1980 Dec 25;255(24):11625–8

A GTPase reaction accompanying the rejection of Leu–tRNA2 by UUU–programmed ribosomes. Proofreading of the codon–anticodon interaction by ribosomes. Thompson RC, et al. **J Biol Chem** 1981 Jan 10;256(1):81–6

Faithful and efficient translation of homologous and heterologous mRNAs in an mRNA–dependent cell–free system from Saccharomyces cerevisiae. Tuite MF, et al. **J Biol Chem** 1980 Sep 25;255(18):8761–6

mRNA for the rat uterine estrogen–induced protein. Translation in vitro and regulation by estrogen. Walker MD, et al. **J Biol Chem** 1981 Jan 10;256(1):23–6

Calcium specifically stimulates prolactin synthesis and messenger RNA sequences in GH3 cells. White BA, et al. **J Biol Chem** 1981 Jun 25;256(12):5942–5

Goose fatty acid synthetase mRNA. Zehner ZE, et al. **J Biol Chem** 1980 Oct 25;255(20):9519–22

Uptake and utilization of mRNA by myogenic cells in culture. Mroczkowski B, et al. **J Cell Biol** 1980 Oct; 87(1):65–71

Encapsulation of 'core' eIF3, regulatory components of eIF3 and mRNA into liposomes, and their subsequent uptake into myogenic cells in culture. O'Loughlin J, et al. **J Cell Biol** 1981 Jul;90(1):160–8

Messenger RNA processing and nuclear structure: isolation of nuclear ribonucleoprotein particles containing beta–globin messenger RNA precursors. Pederson T, et al. **J Cell Biol** 1980 Oct;87(1):47–54

The effects of fasting and feeding on preproinsulin messenger RNA in rats. Giddings SJ, et al. **J Clin Invest** 1981 Apr; 67(4):952–60

Synthesis of HLA antigens from membrane–associated messenger RNA. Lee JS, et al. **J Exp Med** 1980 Aug 1; 152(2 Pt 2):3s–10s

The characteristics of the cell–free translation of mRNA from cells infected with the herpes virus pseudorabies virus. McGrath BM, et al. **J Gen Virol** 1980 Aug;49(2):323–32

Loss of the polyadenylate segment from mammalian messenger RNA. Selective cleavage of this sequence from polyribosomes. Bergmann IE, et al. **J Mol Biol** 1980 May 25;139(3):439–54

Evidence for random endonucleolytic cleavages between messages in decay of Escherichia coli trp mRNA. Lim LW, et al. **J Mol Biol** 1980 Aug 5;141(2):227–33

Messenger RNA stability in Dictyostelium discoideum: does poly(A) have a regulatory role? Palatnik CM, et al. **J Mol Biol** 1980 Aug 5;141(2):99–118

Tissue–specific expression of mouse alpha–amylase genes. Schibler U, et al. **J Mol Biol** 1980 Sep 5;142(1):93–116

Changes in RNA synthesis and messenger RNA content in the cerebellum of rats with graft versus host disease. Griffin WS, et al. **J Neurochem** 1980 Oct;35(4):880–8

Cell–free translation of free and membrane–bound polysomes and polyadenylated mRNA from rabbit brain following administration of d–lysergic acid diethylamide in vivo. Heikkila JJ, et al. **J Neurochem** 1981 Mar;36(3):1229–38

Analysis of messenger RNA coding for S100 protein in the mammalian brain. Mahony JB, et al. **J Neurochem** 1980 Oct;35(4):823–8

Cell–free synthesis of the myelin basic proteins in a wheat germ system programmed with brain messenger RNA. Matthees J, et al. **J Neurochem** 1980 Oct;35(4):867–72

Synthesis, purification and characterization of a DNA complementary to uteroglobin messenger RNA. Atger M, et al. **J Steroid Biochem** 1980 Oct;13(10):1157–62

Induction of ovalbumin mRNA by estrogen in the chick oviduct. Swaneck GE, et al. **J Steroid Biochem** 1980 Jan; 12:185–91

Efficiency of processing of viral RNA during the early and late phases of productive infection by polyoma virus. Acheson NH. **J Virol** 1981 Feb;37(2):628–35

Control of simian virus 40 gene expression at the levels of RNA synthesis and processing: thermally induced changes in the ratio of the simian virus 40 early mRNA's and proteins. Alwine JC, et al. **J Virol** 1980 Jul;35(1):157–64

Stability of bacteriophage phi X174–specific mRNA in vivo. Hayashi MN, et al. **J Virol** 1981 Jan;37(1):506–10

Simian virus 40 early mRNA's in lytically infected and transformed cells contain six 5'–terminal caps. Kahana C, et al. **J Virol** 1981 Jan;37(1):7–16

New chimeric splice junction in adenovirus type 2–simian virus 40 hybrid viral mRNA. Khoury G, et al. **J Virol** 1980 Oct;36(1):143–51

Binding of wheat germ ribosomes to fragmented viral mRNA. Kozak M. **J Virol** 1980 Sep;35(3):748–56

Vesicular stomatitis virus mRNA and inhibition of translation of cellular mRNA––is there a P function in vesicular stomatitis virus? Lodish HF, et al. **J Virol** 1981 May; 38(2):504–17

Shutoff of neuroblastoma cell protein synthesis by Semliki Forest virus: loss of ability of crude initiation factors to recognize early Semliki Forest virus and host mRNA's. van Steeg H, et al. **J Virol** 1981 May;38(2):728–36

On codon– anticodon interactions. Grosjean H, et al. **Mol Biol Biochem Biophys** 1980;32:347–67 (143 ref.)

Post–transcriptional control of messenger abundance. Birnie GD, et al. **Mol Biol Rep** 1981 May 22;7(1–3):159–62

Poly(A)–mRNA deprimerones in rat liver and Novikoff hepatoma cells. Hiliar M, et al. **Mol Biol Rep** 1980 Jul

31;6(2):89–94

Cytoplasmic processing events in the polyadenylate region of Physarum messenger RNA. Jeffery WR, et al. **Mol Biol Rep** 1981 May 22;7(1–3):63–70

Nucleotide sequence complementarity between adenovirus 2–coded VA RNA and host cell pre–mRNA. A possible regulatory mechanism of cellular RNA splicing by VA RNA. Naora H, et al. **Mol Biol Rep** 1981 May 22; 7(1–3):115–21

Some features of nucleo–cytoplasmic RNA transport from isolated nuclei. Peskin AV, et al. **Mol Biol Rep** 1981 May 22;7(1–3):25–30

In vivo cross–linking of proteins to mRNA in human cells. van Venrooij WJ, et al. **Mol Biol Rep** 1981 May 22; 7(1–3):93–9

Preproceruloplasmin is a primary product of cell–free translation of ceruloplasmin messenger RNA. Puchkova LV, et al. **Mol Cell Biochem** 1981 Mar 27;35(3):159–69

Dopaminergic control of prolactin mRNA accumulation in the pituitary of the male rat. Brocas H, et al. **Mol Cell Endocrinol** 1981 Apr;22(1):25–30

Uteroglobin mRNA activity and levels of nuclear progesterone receptor in endometrium. Young CE, et al. **Mol Cell Endocrinol** 1980 Dec;20(3):219–26

Uteroglobin mRNA and levels of nuclear progesterone receptor in endometrium. Young CE, et al. **Mol Cell Endocrinol** 1981 Apr;22(1):105–12

The effect of D–galactosamine and actinomycin D on polysomes and messenger RNA levels in rat liver. Kühn B, et al. **Mol Pharmacol** 1981 Jan;19(1):103–8

Two–step binding of eukaryotic ribosomes to brome mosaic virus RNA3. Ahlquist P, et al. **Nature** 1979 Sep 27; 281(5729):277–82

Regulation of adenovirus–2 gene expression at the level of transcriptional termination and RNA processing. Nevins JR, et al. **Nature** 1981 Mar 12;290(5802):113–8

Defective synthesis of HbE is due to reduced levels of beta E mRNA. Traeger J, et al. **Nature** 1980 Dec 4; 288(5790):497–9

Nonsense suppression in eukaryotes: the use of the Xenopus oocyte as an in vivo assay system. Bienz M, et al. **Nucleic Acids Res** 1980 Nov 25;8(22):5169–78

Assignment of reovirus mRNA ribosome binding sites to virion genome segments by nucleotide sequence analyses. Darzynkiewicz E, et al. **Nucleic Acids Res** 1980 Jan 25; 8(2):337–50

A mouse immunoglobulin heavy chain deletion mutant: isolation of a cDNA clone and sequence analysis of the mRNA. Dunnick W, et al. **Nucleic Acids Res** 1980 Apr 11;8(7):1475–84

UGA suppression by normal tRNA Trp in Escherichia coli: codon context effects. Engelberg–Kulka H. **Nucleic Acids Res** 1981 Feb 25;9(4):983–91

A cDNA clone from Zea mays endosperm sucrose synthetase mRNA. Geiser M, et al. **Nucleic Acids Res** 1980 Dec 20; 8(24):6175–88

Synthesis of human fibroblast interferon by E. coli. Goeddel DV, et al. **Nucleic Acids Res** 1980 Sep 25;8(18):4057–74

Ribonucleotide sequences non–adjacent to poly(A) participate in the poly(A)–protein complex in 15S duck globin mRNP particles. Goldenberg S, et al. **Nucleic Acids Res** 1980 Nov 11;8(21):5057–70

The complete amino acid sequence of human fibroblast interferon as deduced using synthetic oligodeoxyribonucleotide primers of reverse transcriptase. Houghton M, et al. **Nucleic Acids Res** 1980 Jul 11; 8(13):2885–94

Post–transcriptional regulation of messenger abundance in rat liver and hepatoma. Jacobs H, et al. **Nucleic Acids Res** 1980 Jul 25;8(14):3087–103

Activation of an internal initiation site for protein synthesis during in vitro translation. Lawrence CB. **Nucleic Acids Res** 1980 Mar 25;8(6):1307–17

In vitro translation studies of the cytoplasmic nonpolysomal particles containing messenger RNA. Liautard JP, et al. **Nucleic Acids Res** 1980 Apr 25;8(8):1793–804

Dinucleotide codon–anticodon interaction as a minimum requirement for ribosomal aa–tRNA binding: stabilisation by viomycin of aa–tRNA in the A site. Lührmann R. **Nucleic Acids Res** 1980 Dec 11;8(23):5813–24

Construction and characterization of a cDNA clone containing a portion of the bovine prolactin sequence. Nilson JH, et al. **Nucleic Acids Res** 1980 Apr 11; 8(7):1561–73

Change in message sequences during erythrodifferentiation. Obinata M, et al. **Nucleic Acids Res** 1980 Sep 25; 8(18):4271–82

Procollagen mRNA metabolism during the fibroblast cell cycle and its synthesis in transformed cells. Parker I, et al. **Nucleic Acids Res** 1980 Jun 25;8(12):2823–33

Cloning and characterization of DNA sequences complementary to messenger ribonucleic acids coding for the synthesis of two surface antigens of Trypanosoma brucei. Pays E, et al. **Nucleic Acids Res** 1980 Dec 20; 8(24):5965–81

Identification of the RNA region transferred from a representative primer, beta–globin mRNA, to influenza mRNA during in vitro transcription. Robertson HD, et al. **Nucleic Acids Res** 1980 Mar 11;8(5):925–42

Post–transcriptional modification of the poly(A) length of galactose–1–phosphate uridyl transferase mRNA in Saccharomyces cerevisiae. Saunders CA, et al. **Nucleic Acids Res** 1980 Sep 11;8(17):3841–9

ATP/Mg++–dependent cross–linking of cap binding proteins to the 5' end of eukaryotic mRNA. Sonenberg N. **Nucleic Acids Res** 1981 Apr 10;9(7):1643–56

Electron microscopic demonstration of the presence of amplified sequences at the 5'–ends of the polyoma virus late mRNAs. Zuckermann M, et al. **Nucleic Acids Res** 1980 Apr 11;8(7):1505–19

Cytoplasmic polyadenylate processing events accompany the transfer of mRNA from the free mRNP particles to the polysomes in Physarum. Adams DS, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):83–7

In vitro synthesis of repressible yeast acid phosphatase: identification of multiple mRNAs and products. Bostian KA, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4504–8

Quantitation of mRNAs during mouse spermatogenesis: protamine–like histone and phosphoglycerate kinase–2 mRNAs increase after meiosis. Erickson RP, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):6086–90

The polyribosomal mRNA––protein complex is a dynamic structure. Greenberg JR. **Proc Natl Acad Sci USA** 1981 May;78(5):2923–6

Cell cycle regulation of dihydrofolate reductase mRNA metabolism in mouse fibroblasts. Hendrickson SL, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5140–4

Parathyroid hormone alters collagen synthesis and procollagen mRNA levels in fetal rat calvaria. Kream BE, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):5654–8

Cytoplasmic processing of myosin heavy chain messenger RNA: evidence provided by using a recombinant DNA plasmid. Medford RM, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):5749–53

Recovery of protein synthesis after heat shock: prior heat treatment affects the ability of cells to translate mRNA. Petersen NS, et al. **Proc Natl Acad Sci USA** 1981 Mar; 78(3):1708–11

Immunological identification of a common precursor to arginine vasopressin and neurophysin II synthesized by in vitro translation of bovine hypothalamic mRNA. Schmale H, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):766–9

Regulation of the stability of poly(I)xpoly(C)–induced human fibroblast interferon mRNA: selective inactivation of interferon mRNA and lack of involvement of 2',5'–oligo(A) synthetase activation during the shutoff of interferon production. Sehgal PB, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3489–93

Inhibition of vaccinia mRNA methylation by 2',5'–linked oligo(adenylic acid) triphosphate. Sharma OK, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2221–4

Developmental shifts in frequency distribution of polysomal mRNA and their posttranscriptional regulation in the sea urchin embryo. Shepherd GW, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4653–6

Mechanism of mRNA capping by vaccinia virus guanylyltransferase: characterization of an enzyme––guanylate intermediate. Shuman S, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):187–91

Untranslated mRNA for a chorion protein of Drosophila melanogaster accumulates transiently at the onset of specific gene amplification. Thireos G, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):5789–93

Neural control of gene expression in the skeletal muscle fibre: changes in the muscular mRNA population following denervation. Metafora S, et al. **Proc R Soc Lond [Biol]** 1980 Aug 13;209(1175):257–73

Effects of organ preservation on the transport of RNA from the nucleus. Lazarus HM, et al. **Proc Soc Exp Biol Med** 1981 Feb;166(2):221–7

Splicing of viral mRNAs. Aloni Y. **Prog Nucleic Acid Res Mol Biol** 1981;25:1–31 (104 ref.)

Endogenous substrate for cyclic AMP–dependent protein kinase in adrenocortical polyadenylated messenger ribonucleoproteins. Moore RE, et al. **Science** 1980 Dec 5; 210(4474):1137–9

Persistence of crystallin messenger RNA's with reduced translation in hereditary cataracts in mice. Shinohara T, et al. **Science** 1980 Nov 21;210(4472):914–6

The metabolism of SV40 RNA is associated with the cytoskeletal framework. Ben–Ze'ev A, et al. **Virology** 1981 Jun;111(2):475–87

Functions of Sendai virus nucleocapsid polypeptides: enzymatic activities in nucleocapsids following cleavage of polypeptide P by Staphylococcus aureus protease V8. Chinchar VG, et al. **Virology** 1981 Feb;109(1):59–71

Viral messenger RNA unmethylated in the 5'–terminal guanosine in interferon–treated HeLa cells infected with vesicular stomatitis virus. de Ferra F, et al. **Virology** 1981 Jul 30;112(2):426–35

Increased methylation of RNA in SV40–infected interferon–treated cells. Kahana C, et al. **Virology** 1981 Jul 15;112(1):109–18

Biosynthesis of reovirus–specified polypeptides. purification and characterization of the small–sized class mRNAs of reovirus type 3: coding assignments and translational efficiencies. Levin KH, et al. **Virology** 1980 Oct 15; 106(1):1–13

Temporal regulation of the rate of vesicular stomatitis virus mRNA translation during infection of Chinese hamster ovary cells. Lynch KR, et al. **Virology** 1981 Jan 30; 108(2):277–85

Reovirus enzymes that modify messenger RNA are inhibition by perturbation of the lambda proteins. Morgan EM, et al. **Virology** 1981 Sep;113(2):565–72

Alteration of the 5' terminal caps of the mRNAs of vesicular stomatitis virus by cycloleucine in vivo. Moyer SA. **Virology** 1981 Jul 15;112(1):157–68

In vitro translation of adenovirus type 12–specific mRNA complementary to the transforming gene. Segawa K, et al. **Virology** 1980 Nov;107(1):61–70

Regulation of the stability of human beta interferon mRNA in poly(I). Poly(C)–induced diploid fibroblasts: anchorage independence of the shutoff mechanism. Sehgal PB. **Virology** 1981 Jul 30;112(2):738–45

Mutant retrovirus particles package vesicular stomatitis virus mRNA during mixed infection. Yakobson E, et al. **Virology** 1981 Feb;109(1):183–7

[Translation of human fibroblast interferon messenger RNA in Tilapiamosaiabica peters oocytes (author's transl)] Yang CT, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1980 Mar; 2(1):1–8 (Eng. Abstr.) **(Chi)**

[One of the roles of the frequency of the utilization of codons in protein biosynthesis] Labouygues JM. **Agressologie** 1980; 21(5):245–51 (Eng. Abstr.) **(Fre)**

[Biosynthesis of colicin A : existence of pauses in the translation of messenger RNA] Varenne S, et al. **C R Acad Sci [D] (paris)** 1981 Mar 16;292(11):701–4 (Eng. Abstr.) **(Fre)**

[Messenger RNA in cases of heterozygous beta and delta–beta Thalassemia. Biosynthetic and hybridization studies] Bernardi F, et al. **Boll Soc Ital Biol Sper** 1980 Jun 15;56(11):1127–32 (Eng. Abstr.) **(Ita)**

[Ratio of the amounts of the mRNA poly A+/poly A– fractions in the myocardium and the life span of mRNA poly A+] Iavich MP. **Kardiologiia** 1981 Apr;21(4):91–4 (Eng. Abstr.) **(Rus)**

[Translation of MOPC 21 plasmacytoma cell mRNA in a cell–free wheat germ system] Goriunova LE, et al. **Mol Biol (Mosk)** 1980 Sep–Oct;14(5):1173–86 (Eng. Abstr.) **(Rus)**

[Problem of specific initiation during replication and transcription of the genomes of RNA–containing viruses] Kunin EV, et al. **Usp Sovrem Biol** 1980 May–Jun; 89(3):341–59 (153 ref.) **(Rus)**

[Methodologic aspects of the problem of mRNA metabolism in the cell. Structuro–functional and historical approaches in biology] Arbuzov VA. **Vestn Akad Med Nauk SSSR** 1980;(4):64–76 (80 ref.) **(Rus)**

[Nucleo–cytoplasmic mRNA transport in liver rat and hepatoma cells following suppression of protein synthesis by cycloheximide] Arbuzov VA, et al. **Vopr Med Khim** 1980 May–Jun;26(3):354–61 (Eng. Abstr.) **(Rus)**

[Changes in the mechanisms controlling mRNA stability during the process of liver regeneration in rats] Arbuzov VA, et al. **Vopr Med Khim** 1980 Jul–Aug;26(4):517–25 (Eng. Abstr.) **(Rus)**

[Animal and viral mRNA translation in a mRNA–dependent cell–free system and rabbit reticulocytes] Kisling U, et al. **Vopr Virusol** 1981 Mar–Apr;(2):210–5 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

De novo construction of cell–to–cell channels. Dahl G, et al. **In Vitro** 1980 Dec;16(12):1068–75

PHYSIOLOGY

Evidence for distinct mRNAs for ferritin subunits. Watanabe N, et al. **Biochem Biophys Res Commun** 1981 Jan 30; 98(2):507–11

Messenger RNA sequence complexity and homology in developmental stages of Drosophila. Levy LS, et al. **Dev Biol** 1981 Jul 15;85(1):141–9

Potential role of mRNP proteins in cytoplasmic control of gene expression in duck erythroblasts. Vincent A, et al. **Mol Biol Rep** 1981 May 22;7(1–3):71–81

Induction of cell––cell channel formation by mRNA. Dahl G, et al. **Nature** 1981 Feb 19;289(5799):683–5

Split genes. Chambon P. **Sci Am** 1981 May;244(5):60–71

RADIATION EFFECTS

Cross–linking of mRNA to proteins by irradiation of intact cells with ultraviolet light. Wagenmakers AJ, et al. **Eur J Biochem** 1980 Nov;112(2):323–30

Proteins crosslinked to messenger RNA by irradiating polyribosomes with ultraviolet light. Greenberg JR. **Nucleic Acids Res** 1980 Dec 11;8(23):5685–701

Photoreversible UV–inactivation of messenger RNA in an insect embryo(Smittia spec., Chironomidae, Diptera). Jäckle H, et al. **Photochem Photobiol** 1980 Dec;32(6):749–61

RNA METHYLASES see RNA, TRANSFER, METHYLTRANSFERASES

RNA, NEOPLASM

Tumor mitochondrial transfer RNAs: the nucleotide sequence of mitochondrial tRNALeuUAG from Morris hepatoma 5123D. Randerath K, et al. **Biochem Biophys Res Commun** 1981 May 29;100(2):732–7

Isolation and sequence analysis of two major leucine transfer ribonucleic acids (anticodon Mm–A–A) from a rat tumor, Morris hepatoma 5123D. Randerath E, et al. **Biochemistry** 1980 Jul 22;19(15):3476–83

Single-strandedness of the majority of DNA sequences complementary to mRNA-coding sites isolated from rat hepatoma tissue cultured cells. Leibovitch SA, et al. **Exp Cell Res** 1981 May;133(1):181–9

The nucleotide sequence of nuclear U6 (4.7 S) RNA. Epstein P, et al. **J Biol Chem** 1980 Sep 25;255(18):8901–6

Cluster analysis of aminoacyl-tRNAs from mouse plasmacytomas correlates chromatographic profiles with myeloma protein similarity, clonal origin of tumour lines, and the neoplastic nature of the tissues. Mushinski JF, et al. **J Theor Biol** 1980 Aug 7;85(3):507–21

ANALYSIS

The nucleotide sequence of nuclear 4.8S RNA of mouse cells. Harada F, et al. **Biochem Biophys Res Commun** 1980 Aug 14;95(3):1332–40

Characterization of hematologic malignancies by flow cytometry. Barlogie B, et al. **Blood Cells** 1980;6(4):719–44

Detection of RNA complementary to herpes simplex virus DNA in human cervical squamous cell neoplasms. Eglin RP, et al. **Cancer Res** 1981 Sep;41(9 Pt 1):3597–603

Comparison of RNase T1 fingerprints of U1, U2, and U3 small nuclear RNA's of HeLa cells, human normal fibroblasts, and Novikoff hepatoma cells. Nohga K, et al. **Cancer Res** 1981 Jun;41(6):2215–20

Characterization and subcellular localization of 7–8 S RNAs of Novikoff hepatoma. Reddy R, et al. **J Biol Chem** 1981 Aug 25;256(16):8452–7

Polysomal and non-polysomal messenger RNA in neuroblastoma cells. Lack of correlation between polyadenylation or initiation efficiency and messenger RNA location. Croall DE, et al. **J Mol Biol** 1980 Jul 15; 140(4):549–64

[Determinations of nucleic acids and glycoproteids in the tissue of the appendage tumours (author's transl)] Grudzień M, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 1979; 34:359–62 (Eng. Abstr.) **(Pol)**

[Changes in the RNA electrophoretic spectrum of the cells after Rauscher virus infection. The kinetics of leukemic and normal RNA hybridization with Rauscher virus cDNA] Smirnova IA. **Dokl Akad Nauk SSSR** 1981; 256(4):1022–4 **(Rus)**

[Metal content of nucleic acids in experimental leukosis] Babenko GA, et al. **Ukr Biokhim Zh** 1980 Sep–Oct; 52(5):551–5 (Eng. Abstr.) **(Rus)**

[Low molecular weight nuclear RNA of human gastric adenocarcinoma] Pliusnin AZ, et al. **Vopr Onkol** 1980; 26(11):26–9 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Screening of Venezuelan poisonous plants for anticancer compounds. I—Comparison between carcinostatic activity on animal tumours and inhibition of protein and nucleic acid synthesis in cell incubations. González-Cadavid N, et al. **Acta Cient Venez** 1980;31(2):137–47

Inhibition of RNA synthesis in murine ependymoblastoma by the combination of amphotericin B and 1-(2-chloroethyl)-3-cyclohexyl-1-nitrosourea. Laurent G, et al. **Cancer Res** 1980 Mar;40(3):939–42

Two types of adriamycin inhibition of a homologous RNA synthesizing system from L1210 cells. Maniglia CA, et al. **Chem Biol Interact** 1981 Jan;33(2–3):319–27

Effect of bouvardin (NSC 259968) on the growth characteristics an nucleic acids and protein syntheses profiles of P388 leukemia cells. Chitnis MP, et al. **Chemotherapy** 1981;27(2):126–30

fluoropyrimidine-induced antagonism to free and tightly bound methotrexate: suppression of [14C] formate incorporation into RNA and protein. Bowen D, et al. **Eur J Cancer** 1980 Jul;16(7):893–9

Effects of delta-9-tetrahydrocannabinol on cultured HeLa cell growth and development. Blevins RD, et al. **Growth** 1980 Jun;44(2):133–8

Analysis of the effect of 5-fluorouracil on the synthesis and translation of polysomal poly(A)RNA from Ehrlich ascites cells. Glazer RI, et al. **Mol Pharmacol** 1981 Jan; 19(1):117–21

Different inhibition pattern of the nucleic acid metabolism after in vitro treatment with titanocene and vanadocene dichlorides. Köpf-Maier P, et al. **Naturwissenschaften** 1981 May;68(5):272–3

Reinitiation of synthesis of small cytoplasmic RNA species K and L in isolated HeLa cell nuclei in vitro. Reichel R, et al. **Nucleic Acids Res** 1980 Jan 25;8(2):225–34

[Synthesis of protein, RNA and DNA and alkylation of macromolecules in the cells of sensitive and resistant strains of ascites hepatoma 22a induced by N-methyl-N-nitrosourea] Abakumova OIu, et al. **Biokhimiia** 1981 Jun;46(6):1049–56 (Eng. Abstr.) **(Rus)**

[Experimental study of the combined effect of 5-fluorouracil and cyclophosphane on growth of Zajdela hepatoma and nucleic acid metabolism] Reztsova VV, et al. **Biull Eksp Biol Med** 1980 Oct;90(10):469–71 (Eng. Abstr.) **(Rus)**

[Effect of diazan on DNA, RNA, and protein synthesis in mouse L1210 leukemia cells sensitive and resistant to the drug] Anikin IV, et al. **Izv Akad Nauk SSSR [Biol]** 1981 Mar-Apr;(2):291–5 (Eng. Abstr.) **(Rus)**

[Intensity of RNA synthesis in different types of lymphocytes from the blood and lymph of normal cattle and cattle with lympholeukemia] Bespal'ko OF, et al. **Izv Akad Nauk SSSR [Biol]** 1980 Jul-Aug;(4):494–501 (Eng. Abstr.) **(Rus)**

GENETICS

Amplified ribosomal RNA genes in a rat hepatoma cell line are enriched in 5-methylcytosine. Tantravahi U, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):489–93

ISOLATION & PURIFICATION

Isolation and characterisation of a non-polyadenylated mRNA species with an affinity for poly(adenylic acid) from Friend leukaemia cells. Katinakis PK, et al. **Biochim Biophys Acta** 1981 Mar 26;653(1):27–38

[RNA-dependent ATPase from the cells of a Krebs 2 ascitic carcinoma] Chumakov KM, et al. **Dokl Akad Nauk SSSR** 1980;254(2):509–12 **(Rus)**

METABOLISM

Comparative autoradiographic in vitro study of the incorporation of 3H-thymidine and 3H-uridine into the DNA and RNA of solid tumours in children. Willnow U. **Arch Geschwulstforsch** 1980;50(8):778–84

Inhibition of ribosomal RNA maturation in Friend erythroleukemia cells by 5-fluorouridine and toyocamycin. Hadjiolova KV, et al. **Biochem Pharmacol** 1981 Jul 1; 30(13):1861–3

Interactions of a new antitumor agent, 1,4-dihydroxy-5,8-bis[[2-[(2-hydroxyethyl)amino]-ethyl]a with nucleic acids. Kapuscinski J, et al. **Biochem Pharmacol** 1981 Feb 1;30(3):231–40

Enhancement of 5-fluorouracil incorporation into human lymphoblast ribonucleic acid. Kufe DW, et al. **Biochem Pharmacol** 1981 Jan 15;30(2):129–33

Role of 2',5'-oligo(adenylic acid) polymerase in the degradation of ribonucleic acid linked to double-stranded ribonucleic acid by extracts of interferon-treated cells. Nilsen TW, et al. **Biochemistry** 1980 Nov 25;19(24):5574–9

The metabolic behaviour of nuclear and cytoplasmic non-polyadenylated RNAs with an affinity for poly(adenylic acid) from Friend murine leukaemia cells. Katinakis PK, et al. **Biochim Biophys Acta** 1981 Mar 26; 653(1):39–51

Effect of methionine deprivation on methylation and synthesis of macromolecules. Tisdale MJ. **Br J Cancer** 1980 Jul;42(1):121–8

Comparison of the codon recognition properties and of the utilization of normal and tumor specific Phe-tRNAs in protein synthesis. Hatfield DL, et al. **Cancer Lett** 1981 Apr; 12(3):251–8

Analysis of loss of nuclear RNA in azo dye-induced hepatoma by DNA-RNA competitive hybridization. Akao M, et al. **Cancer Res** 1981 Feb;41(2):735–40

Complexity of polysomal poly(A)RNA in different developmental stages of a non-differentiating neuroblastoma clone. Berthelot F, et al. **FEBS Lett** 1980 Dec 15;122(1):109–12

Selective alkylation of poly(A) tracts of RNA inside the cell with the derivative of ethyl ester of oligothymidilate bearing 2-chloroethylamino group. Karpova GG, et al. **FEBS Lett** 1980 Dec 15;122(1):21–4

RNA inhibits estrogen receptor binding to DNA. Feldman M, et al. **J Biol Chem** 1981 Feb 10;256(3):1145–8

Medullary thyroid carcinoma identified by cell-free translation of tumor messenger ribonucleic acid in a patient with a neck mass and the syndrome of ectopic adrenocorticotropin. Chin WW, et al. **J Clin Endocrinol Metab** 1981 Mar;52(3):572–5

Nerve growth factor-induced differentiation of PC12 cells: evaluation of changes in RNA and DNA metabolism. Gunning PW, et al. **J Neurosci** 1981 Apr;1(4):368–79

Altered RNA/protein ratio associated with the induction of differentiation of Friend erythroleukemia cells. Harel L, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3882–6

[Virus-specific double-stranded RNA in the composition of the microsomal RNA of Rous sarcoma cells] Perevozchikov AP, et al. **Dokl Akad Nauk SSSR** 1981; 256(4):987–9 **(Rus)**

[Mechanism of the antitumor action of 5-fluorouracil] Reztsova VV, et al. **Dokl Akad Nauk SSSR** 1980; 253(2):488–91 **(Rus)**

[Translation of MOPC 21 plasmacytoma cell mRNA in a cell-free wheat germ system] Goriunova LE, et al. **Mol Biol (Mosk)** 1980 Sep–Oct;14(5):1173–86 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

An inhibitor of cell proliferation & HeLa specific antigen expression isolated from HeLa cells. Maharajan V, et al. **Indian J Exp Biol** 1980 Jun;18(6):576–9

RADIATION EFFECTS

Cross-linking of mRNA to proteins by irradiation of intact cells with ultraviolet light. Wagenmakers AJ, et al. **Eur J Biochem** 1980 Nov;112(2):323–30

RNA NUCLEOTIDYLTRANSFERASES

ANALYSIS

Picornaviral VPg sequences are contained in the replicase precursor. Pallansch MA, et al. **J Virol** 1980 Aug; 35(2):414–9

Identification of poliovirus polypeptide P63 as a soluble RNA-dependent RNA polymerase. Van Dyke TA, et al. **J Virol** 1980 Sep;35(3):732–40

ANTAGONISTS & INHIBITORS

Influence of membrane (M) protein on influenza A virus virion transcriptase activity in vitro and its susceptibility to rimantadine. Zvonarjev AY, et al. **J Virol** 1980 Feb; 33(2):583–6

Inhibition of vesicular stomatitis virus transcriptase in vitro by phosphonoformate and ara-ATP. Chanda PK, et al. **Virology** 1980 Dec;107(2):562–6

GENETICS

A plasmid DNA primase active in discontinuous bacterial DNA replication. Wilkins BM, et al. **Nature** 1981 Mar 19; 290(5803):217–21

Poliovirus replication proteins: RNA sequence encoding P3-1b and the sites of proteolytic processing. Semler BL, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3464–8

[Bacteriophage MS2 mutants with disrupted phage replicase repressor activity] Dishler AV, et al. **Genetika (Moskva)** 1980;16(10):1719–28 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Drosophila X virus RNA polymerase: tentative model for in vitro replication of the double-stranded virion RNA. Bernard J. **J Virol** 1980 Feb;33(2):717–23

Viral polypeptides associated with the RNA replication complex in poliovirus-infected cells. Etchison D, et al. **Virology** 1980 Nov;107(1):135–42

Isolation of a soluble and template-dependent foot-and-mouth disease virus RNA polymerase. Lowe PA, et al. **Virology** 1981 May;111(1):23–32

METABOLISM

Mechanism of dnaB protein action. IV. General priming of DNA replication by dnaB protein and primase compared with RNA polymerase. Arai K, et al. **J Biol Chem** 1981 May 25;256(10):5267–72

Roles of the host polypeptides in Q beta RNA replication. Host factor and ribosomal protein S1 allow initiation at reduced GTP concentration. Blumenthal T, et al. **J Biol Chem** 1980 Dec 25;255(24):11713–6

Transfer RNA cross-linked to the elongation factor Tu subunit of Q beta replicase does not inhibit Q beta RNA replication. Guerrier-Takada C, et al. **J Biol Chem** 1981 Jun 10;256(11):5840–4

Dissection of the active site of rabbit liver tRNA nucleotidyltransferase. Specificity and properties of subsites for donor nucleotide triphosphates. Masiakowski P, et al. **J Biol Chem** 1980 Dec 10;255(23):11240–6

Dissection of the active site of rabbit liver tRNA nucleotidyltransferase. Specificity and properties of the tRNA and acceptor subsites determined with model acceptor substrates. Masiakowski P, et al. **J Biol Chem** 1980 Dec 10;255(23):11233–9

Vesicular stomatitis virus RNA polymerase can read through the boundary between the leader and N genes in vitro. Herman RC, et al. **J Virol** 1981 May;38(2):792–6

RNA synthesis of vesicular stomatitis virus. X. Transcription and replication by defective interfering particles. Rao DD, et al. **J Virol** 1980 Dec;36(3):756–65

Template recognition sequence for RNA primer synthesis by gene 4 protein of bacteriophage T7. Tabor S, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):205–9

RNA PHAGES

DRUG EFFECTS

The effect of triazole on RNA viruses. Menzel G, et al. **Acta Virol (Praha)** 1980 Dec;24(6):445–50

GENETICS

In vitro translation of the three bacteriophage phi 6 RNAs. Cuppels DA, et al. **J Virol** 1980 Jul;35(1):249–51

Role of M13 gene 1 protein in filamentous virus assembly. Silver P, et al. **J Virol** 1980 Jul;35(1):256–8

Assignment of viral proteins to the three double-stranded RNA segments of bacteriophage phi 6 genome: translation of phi 6 messenger RNAs transcribed in vitro. Emori Y, et al. **MGG** 1980;180(2):385–9

Mistranslation in cells infected with the bacteriophage MS2: direct evidence of Lys for Asn substitution. Parker J, et al. **MGG** 1980;180(2):275–81

Heterogeneous host DNA attached to the left end of mature bacteriophage Mu DNA. George M, et al. **Nature** 1981 Jul 9;292(5819):175–6

Two classes of Mu lig mutants: the thermosensitives for integration and replication and the hyperproducers for ligase. Paolozzi L, et al. **Nucleic Acids Res** 1980 Dec 11; 8(23):5859–73

Electron microscopy of cells infected with nonsense mutants of bacteriophage phi 6. Bamford DH, et al. **Virology** 1980 Nov;107(1):222–8

[Bacteriophage MS2 mutants with disrupted phage replicase repressor activity] Dishler AV, et al. **Genetika (Moskva)**

1980;16(10):1719–28 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Defective lysis of streptomycin-resistant escherichia coli cells infected with bacteriophage f2. De Mars Cody J, et al. **J Virol** 1981 Feb;37(2):813–20

Escherichia coli traD(Ts) mutant temperature sensitive for assembly of RNA bacteriophage MS2. Schoulaker-Schwarz R, et al. **J Virol** 1981 Jun;38(3):833–9

ISOLATION & PURIFICATION

Distribution of ribonucleic acid coliphages in raw sewage from treatment plants in Japan. Furuse K, et al. **Appl Environ Microbiol** 1981 May;41(5):1139–43

Distribution of ribonucleic acid coliphages in animals. Osawa S, et al. **Appl Environ Microbiol** 1981 Jan;41(1):164–8

Distribution of ribonucleic acid coliphages in Korea. Osawa S, et al. **Appl Environ Microbiol** 1981 Apr;41(4):909–11

PHYSIOLOGY

Portraits of viruses: RNA phage. Zinder ND. **Intervirology** 1980;13(5):257–70 (74 ref.)

RNA POLYMERASE I see under **RNA POLYMERASES**

RNA POLYMERASE II see under **RNA POLYMERASES**

RNA POLYMERASE III see under **RNA POLYMERASES**

RNA POLYMERASES

Subunit of assembly of Escherichia coli RNA polymerase. Ishihama A. **Adv Biophys (Tokyo)** 1981;14:1–35 (97 ref.)

Use of difference boundary sedimentation velocity to investigate nonspecific protein–nucleic acid interactions. Lohman TM, et al. **Biochemistry** 1980 Jul 22;19(15):3516–22

The subunit positions within RNA polymerase holoenzyme determined by triangulation of centre-to-centre distances. Stöckel P, et al. **Eur J Biochem** 1980 Nov;112(2):419–23

The core subunit structure in RNA polymerase holoenzyme determined by neutron small-angle scattering. Stöckel P, et al. **Eur J Biochem** 1980 Nov;112(2):411–7

Small-angle x-ray study of DNA-dependent RNA polymerase subunit alpha 2 from Escherichia coli. Meisenberger O, et al. **FEBS Lett** 1980 Oct 20;120(1):57–60

Small-angle X-ray study of DNA-dependent RNA polymerase holoenzyme from Escherichia coli. Meisenberger O, et al. **FEBS Lett** 1981 Jan 12;123(1):22–4

Analysis of RNA polymerase by trypsin cleavage. Evidence for a specific association between subunits sigma and beta involved in the closed to open complex transition. Fisher R, et al. **J Biol Chem** 1980 Nov 25;255(22):11056–62

ANALYSIS

A method for assaying DNA-dependent RNA polymerase II in crude extracts of Drosophila melanogaster adults: its use in identifying mutants with an altered RNA polymerase II. Nishiura JT. **Biochem Genet** 1981 Feb;19(1–2):31–46

Physicochemical properties and interactions of Escherichia coli ribonucleic acid polymerase holoenzyme, core enzyme, subunits, and subassembly alpha 2 beta. Levine BJ, et al. **Biochemistry** 1980 Oct 14;19(21):4808–14

Differential staining of the subunits of DNA-dependent RNA polymerase. Rüger AM, et al. **FEBS Lett** 1980 Nov 3; 120(2):233–5

Immunological studies of yeast nuclear RNA polymerases at the subunit level. Buhler JM, et al. **J Biol Chem** 1980 Oct 25;255(20):9949–54

[Quaternary structure of Escherichia coli DNA-dependent RNA polymerase] Kiselev NA, et al. **Dokl Akad Nauk SSSR** 1981;256(5):1246–9 **(Rus)**

ANTAGONISTS & INHIBITORS

Inhibition of DNA dependent RNA synthesis by porphyrin photosensitizers. Musser DA, et al. **Biochem Biophys Res Commun** 1980 Dec 16;97(3):918–25

On the inhibition of yeast RNA polymerases A and B by tRNA and alpha-amanitin. Sawadogo M. **Biochem Biophys Res Commun** 1981 Jan 15;98(1):261–7

Inhibition of E. coli RNA polymerase by Fab fragments from subunit specific antibodies. Stender W. **Biochem Biophys Res Commun** 1981 May 15;100(1):198–204

Protamine—a potent inhibitor of vesicular stomatitis virus transcriptase in vitro. Talib S, et al. **Biochem Biophys Res Commun** 1981 Feb 12;98(3):875–83

Inhibition of ribonucleic acid polymerase activity by ellipticine. Sethi VS. **Biochem Pharmacol** 1981 Jul 15; 30(14):2026–9

Diffusion-enhanced energy transfer shows accessibility of ribonucleic acid polymerase inhibitor binding sites. Meares CF, et al. **Biochemistry** 1981 Feb 3;20(3):610–7

The interaction of yeast RNA polymerase I and Cibacron blue F3GA. Bull P, et al. **Biochim Biophys Acta** 1981 May 29;653(3):368–77

The effect of the chemical nature of the side chains of amatoxins in the inhibition of eukaryotic RNA polymerase B. Wieland T, et al. **Eur J Biochem** 1981 Jun;117(1):161–4

Inhibition of isolated rat liver RNApolymerases I and II by aminoacridines. Zoncheddu A, et al. **Experientia** 1980 Oct 15;36(10):1151–2

Inhibition of chicken myeloblastosis RNA polymerase II activity in vitro by N-trifluoroacetyladriamycin-14-valerate. Chuang LF, et al. **FEBS Lett** 1980 Aug 11;117(1):247–51

Differential inhibition of DNA dependent RNA polymerases by sodium deoxycholate. Antonoglou O, et al. **Int J Biochem** 1980;12(4):631–4

Poly(d(A–T)) dependent RNA polymerase activity after treatment of nuclei with micrococcus nuclease. Aström S, et al. **Int J Biochem** 1981;13(4):431–6

In vitro thermal inactivation of a temperature-sensitive sigma subunit mutant (rpoD800) of Escherichia coli RNA polymerase proceeds by aggregation. Lowe PA, et al. **J Biol Chem** 1981 Feb 25;256(4):2010–5

Inhibition of RNA polymerase III by N-hydroxy-2-acetylaminofluorene. Austin GE, et al. **Proc Soc Exp Biol Med** 1980 Sep;164(4):491–4

[Effect of bleomycin on DNA-dependent RNA polymerase purified from normal and neoplastic tissues] Capobianco G, et al. **Boll Soc Ital Biol Sper** 1981 Jan 30;57(2):138–44 (Eng. Abstr.) **(Ita)**

BIOSYNTHESIS

Defective assembly of ribonucleic acid polymerase subunits in a temperature-sensitive alpha-subunit mutant of Escherichia coli. Kawakami K, et al. **Biochemistry** 1980 Jul 22;19(15):3491–5

Estrogen regulates the number of RNA polymerase II molecules in rooster liver. Kastern WH, et al. **Biochim Biophys Acta** 1981 Apr 27;653(2):259–70

Effect of 3-methylcholanthrene administration on hepatic ribonucleic acid polymerase activities. Liberator PA, et al. **Chem Biol Interact** 1981 Apr;35(1):93–109

Regulation of biosynthesis of the DNA-dependent RNA polymerase in Escherichia coli. Matzura B. **Curr Top Cell Regul** 1980;17:89–136 (137 ref.)

Synthesis and function of ribonucleic acid polymerase and ribosomes in Escherichia coli B/r after a nutritional shift-up. Shepherd N, et al. **J Bacteriol** 1980 Sep; 143(3):1332–44

Autogenous and post-transcriptional regulation of Escherichia coli RNA polymerase synthesis in vitro. Kajitani M, et al. **MGG** 1980;179(3):489–96

[Stimulating effect of dibunol on macromolecular biosynthesis] Alesenko AV, et al. **Dokl Akad Nauk SSSR** 1980;254(6):1472–5 **(Rus)**

BLOOD

The control of ribosomal RNA transcription in lymphocytes. Evidence that the rate of chain elongation is the limiting factor. Dauphinais C. **Eur J Biochem** 1981 Mar; 114(3):487–92

DIAGNOSTIC USE

Detection and quantitation of amanitin using an RNA–polymerase competition binding assay. Brown A, et al. **Toxicon** 1980;18(5–6):702–4

GENETICS

Deletion mapping of Escherichia coli RNA polymerase genes. McKee RA, et al. **Biochem Soc Trans** 1980 Dec; 8(6):731–2

Properties of a collection of Escherichia coli RNA polymerase mutants. Nene V, et al. **Biochem Soc Trans** 1980 Dec;8(6):732–3

Gene-fusion studies of transcriptional and post-transcriptional regulation in a ribosomal/RNA polymerase operon of Escherichia coli. Newman AJ, et al. **Biochem Soc Trans** 1980 Dec;8(6):738

Interaction of the sigma factor and the nusA gene protein of E. coli with RNA polymerase in the initiation-termination cycle of transcription. Greenblatt J, et al. **Cell** 1981 May;24(2):421–8

Genetic and biochemical characterization of mutants at an RNA polymerase II locus in D. melanogaster. Greenleaf AL, et al. **Cell** 1980 Oct;21(3):785–92

An RNA polymerase II mutation in Drosophila melanogaster that mimics ultrabithorax. Mortin MA, et al. **Chromosoma** 1981;82(2):237–47

Binding of sea-urchin RNA polymerase II on homologous histone genes. Buongiorno-Nardelli M, et al. **Eur J Biochem** 1981 May;116(1):171–6

The primary structure of Escherichia coli RNA polymerase. Nucleotide sequence of the rpoB gene and amino-acid sequence of the beta-subunit. Ovchinnikov YA, et al. **Eur J Biochem** 1981 Jun 1;116(3):621–9

The nucleotide sequence of gene 1 of T7 phage DNA which codes for the phage-specific DNA-dependent RNA-polymerase. Grachev MA, et al. **FEBS Lett** 1981 May 5;127(1):53–6

Nucleotide sequence of the proximal portion of the RNA polymerase beta subunit gene of Escherichia coli. Delcuve G, et al. **Gene** 1980 Nov;11(3–4):367–73

Characterization of promoter-cloning plasmids: analysis of operon structure in the rif region of Escherichia coli and isolation of an enhanced internal promoter mutant. An G, et al. **J Bacteriol** 1980 Dec;144(3):904–16

Transcriptional and post-transcriptional control of ribosomal protein and ribonucleic acid polymerase genes. Little R, et al. **J Bacteriol** 1981 Jul;147(1):25–35

Defective RNA polymerase II in the G1 specific temperature sensitive hamster cell mutant TsAF8. Shales M, et al. **J Cell Physiol** 1980 Dec;105(3):527–32

Phage T3 DNA contains an exact copy of the 23 base-pair phage T7 RNA polymerase promoter sequence. Rosa MD, et al. **J Mol Biol** 1981 Mar 25;147(1):41–53

DNA sequence for the T7 RNA polymerase promoter for T7 RNA species II. Rosa MD. **J Mol Biol** 1981 Mar 25; 147(1):199–204

A novel form of suppression due to an altered RNA polymerase. Ephrati-Elizur E, et al. **MGG** 1981; 181(3):390–4

Studies on the E. coli groNB (nusB) gene which affects bacteriophage lambda N gene function. Georgopoulos CP, et al. **MGG** 1980;179(1):55–61

Cold-sensitive mutations in beta and beta' subunit gene affecting the interaction of RNA polymerase with promoters. Gragerov AI, et al. **MGG** 1980;180(2):399–403

Altered stability and integration frequency of a F' factor in RNA polymerase mutants of Escherichia coli. Gray GW Jr, et al. **MGG** 1981;182(1):12–8

Effects of growth conditions and mutations in RNA polymerase on translational activity in vitro in Escherichia coli. Isaksson LA, et al. **MGG** 1980;180(1):27–33

Nucleotide sequence of a promoter recognized by Bacillus subtilis RNA polymerase. Lee G, et al. **MGG** 1980; 180(1):57–65

Amber mutations in the structural gene for RNA polymerase sigma factor of Escherichia coli. Osawa T, et al. **MGG** 1980;180(2):293–300

Transcription of adenovirus 2 DNA by human RNA polymerase II in vitro. Seidman SL, et al. **MGG** 1980; 179(3):647–59

Autogenous and post-transcriptional regulation of RNA polymerase synthesis. Ishihama A, et al. **Mol Cell Biochem** 1980 Aug 16;31(3):177–96 (96 ref.)

Location, function, and nucleotide sequence of a promoter for bacteriophage T3 RNA polymerase. Adhya S, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):147–51

Changes in the promoter range of RNA polymerase resulting from bacteriophage T4-induced modification of core enzyme. Goldfarb A. **Proc Natl Acad Sci USA** 1981 Jun; 78(6):3454–8

Heterogeneity of RNA polymerase in Bacillus subtilis: evidence for an additional sigma factor in vegetative cells. Wiggs JL, et al. **Proc Natl Acad Sci USA** 1981 May; 78(5):2762–6

[Analysis of the stability and local cooperativity of DNA: proposal of a molecular mechanism for the initiation of the transcription of gene A3 of bacteriophage T7 by the RNA polymerase from E. coli] Ehrlich R, et al. **C R Acad Sci [D] (Paris)** 1981 Jan 12;292(2):177–80 (Eng. Abstr.) **(Fre)**

[Analysis of the stability and local cooperativity of DNA : elements permitting the recognition of promoters by DNA-dependent RNA polymerase] Ehrlich R, et al. **C R Acad Sci [D] (Paris)** 1981 Jan 5;292(1):5–8 (Eng. Abstr.) **(Fre)**

[Specific binding of RNA polymerase to DNA as the earliest step of transcription in Prokaryota (author's transl)] Slaska K. **Postepy Biochem** 1980;26(2):161–82 (138 ref.) **(Pol)**

[Primary structure of Escherichia coli RNA-polymerase. Nucleotide sequence of gene rpoB and amino acid sequence of the beta-subunit] Ovchinnikov IuA, et al. **Dokl Akad Nauk SSSR** 1980;253(4):994–8 **(Rus)**

[Effect of coumermycin A1 and nalidixic acid on lambda phage integration and transducing lambdoid phages containing RNA-polymerase genes] Kholodii GIa, et al. **Genetika (Moskva)** 1980;16(11):1921–32 (Eng. Abstr.) **(Rus)**

[Role of the beta-subunits of Escherichia coli RNA-polymerase in the regulation of gene activity] Kamzolova SG, et al. **Mol Biol (Mosk)** 1980 Jul–Aug; 14(4):759–65 (Eng. Abstr.) **(Rus)**

[Non-coordinated transcription of RNA polymerase beta,beta'-polypeptide genes and adjacent ribosomal protein genes in Escherichia coli cells] Lideman LF, et al. **Mol Biol (Mosk)** 1981 Mar–Apr;15(2):316–22 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Conserved antigenic determinants in the vicinity of the DNA-binding center of bacterial RNA polymerase. Gragerov AI, et al. **FEBS Lett** 1980 Dec 15;122(1):17–20

Monoclonal antibody directed against RNA polymerase II of Drosophila melanogaster. Krämer A, et al. **MGG** 1980; 180(1):193–9

Antibodies against the subunits of E. coli RNA polymerase as probes for subunit-specific binding of DNA and other ligands. Stender W. **Nucleic Acids Res** 1980 Mar 25; 8(6):1405–20

ISOLATION & PURIFICATION

Elution of proteins from sodium dodecyl sulfate-polyacrylamide gels, removal of sodium dodecyl sulfate, and renaturation of enzymatic activity: results with sigma subunit of Escherichia coli RNA polymerase, wheat germ DNA topoisomerase, and other enzymes. Hager DA, et al. **Anal Biochem** 1980 Nov 15;109(1):76–86

DNA-dependent RNA polymerases from Drosophila melanogaster adults: isolation and partial characterization.

Nishiura JT. **Biochem Genet** 1981 Feb;19(1-2):15-30

Purification, subunit structure, and immunological properties of chromatin-bound ribonucleic acid polymerase I from cauliflower inflorescence. Guilfoyle TJ. **Biochemistry** 1980 Dec 23;19(26):5966-72

A facile procedure for purifying maize chloroplast RNA polymerase from whole cell homogenates. Kidd GH, et al. **Biochim Biophys Acta** 1980 Aug 26;609(1):14-30

RNA polymerase III from Drosophila hydei pupae. Purification and partial characterization. Gundelfinger E, et al. **Eur J Biochem** 1980 Oct;111(2):395-401

New polypeptide chains associated with highly purified RNA polymerase II or B from Physarum polycephalum. Smith SS, et al. **FEBS Lett** 1981 Mar 9;125(1):107-10

Comparison of nuclear DNA-dependent RNA polymerases from mouse tumors and tissues of normal Swiss mice. Blair DG. **Int J Biochem** 1981;13(2):207-20

Purification of mitochondrial RNA polymerase from Saccharomyces cerevisiae. Levens D, et al. **J Biol Chem** 1981 Feb 10;256(3):1474-81

Purification and subunit structure of DNA-dependent RNA polymerase BII from rat brain nuclei. Yamamoto H, et al. **J Neurochem** 1980 Feb;34(2):255-60

[Isolation of RNA polymerase and DNA polymerase from Streptomyces strains] Bieber J, et al. **Z Allg Mikrobiol** 1980; 20(10):673-6 **(Ger)**

[Biological properties of Agrobacterium tumefaciens RNA-polymerase. I. Isolation of RNA-polymerase from Agrobacterium tumefaciens 8628] Iarchenko VV, et al. **Ukr Biokhim Zh** 1980 Sep-Oct;52(5):647-51 (Eng. Abstr.) **(Rus)**

METABOLISM

Phosphorylation in vitro and in vivo of the wheat embryo RNA polymerase II. Mazuś B, et al. **Acta Biochim Pol** 1980; 27(1):9-19

Effect of unilateral nephrectomy on the RNA synthesis in hypertrophic rat kidney. Rahden-Starón I, et al. **Acta Biochim Pol** 1980;27(3-4):191-201

Effect of 3-methylcholanthrene on RNA polymerase and protein kinase activities and on the nuclear ultrastructure of rat liver. Tigyi A, et al. **Acta Biol Acad Sci Hung** 1980; 31(1-3):329-39

Muscle and nonmuscle cell RNA polymerase activities in early myocardial hypertrophy. Cutilletta AF. **Am J Physiol** 1981 Jun;240(6):H901-7

The effects of several divalent cations on the activation or inhibition of RNA polymerases II. Vaisius AC, et al. **Arch Biochem Biophys** 1980 Sep;203(2):553-64

The pH dependence of rat liver RNA polymerases I and II. Bull P, et al. **Arch Biol Med Exp (Santiago)** 1980 Nov; 13(2):265-9

Hormonal control of RNA polymerases in rat bone marrow nuclei. The action of erythropoietin and testosterone. Perretta M, et al. **Arch Biol Med Exp (Santiago)** 1980 Nov; 13(2):247-57

Hormonal control of gene expression: differential activation of rat bone marrow RNA polymerases by erythropoietin and testosterone. Perretta M, et al. **Arch Biol Med Exp (Santiago)** 1979 OCT;12(3):309-18 (28 ref.)

Hepatic nuclear free and engaged RNA-polymerases in young rats pretreated with 3-methylcholanthrene. Kleeberg U, et al. **Arch Toxicol [Suppl]** 1980;(4):373-5

Stimulation of poly(dT) transcription by Bacillus subtilis RNA polymerase in the presence of adenosine monophosphate. Badaracco G, et al. **Biochem Biophys Res Commun** 1981 Mar 16;99(1):23-9

Drug-induced migration of cytoplasmic ornithine decarboxylase into rat liver nucleus in not related to increased RNA polymerase activity. Bitonti AJ, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1040-4

Effect of heat shock on RNA polymerase activities in Chinese hamster ovary cells. Caizergues-Ferrer M, et al. **Biochem Biophys Res Commun** 1980 Nov 28;97(2):538-45

Characterisation of heparin-resistant complex formation and RNA synthesis by wheat germ RNA polymerases I, II and III, in vitro on cauliflower mosaic virus DNA. Cooke R, et al. **Biochem Biophys Res Commun** 1981 Jan 15; 98(1):36-42

Delta factor increases promoter selectivity of Bacillus subtilis vegetative cell RNA polymerase. Dickel CD, et al. **Biochem Biophys Res Commun** 1980 Aug 29;95(4):1789-95

Is protein kinase a subunit of RNA polymerase II, which is responsible for the specificity of transcription? Jankowski JM, et al. **Biochem Biophys Res Commun** 1980 Oct 16; 96(3):1216-24

Transcriptase activity associated with a type 2 double-stranded RNA mycovirus. McGinty RM, et al. **Biochem Biophys Res Commun** 1981 Jan 30;98(2):501-6

In vitro synthesis of a peptide which modifies the transcriptional specificity of Bacillus subtilis RNA polymerase. Milhausen MJ, et al. **Biochem Biophys Res Commun** 1981 Apr 15;99(3):900-6

Similar binding site for P37 factor on yeast RNA polymerases A and B. Sawadogo M, et al. **Biochem Biophys Res Commun** 1980 Sep 16;96(1):258-64

Cyclic adenosine 3':5'-monophosphate receptor protein: interaction with E. coli RNA polymerase. Stender W. **Biochem Biophys Res Commun** 1980 Sep 16;96(1):320-5

Transcriptionally active RNA polymerases from Morris hepatomas and rat liver. Elucidation of the mechanism for the preferential increase in the tumour RNA polymerase I. Duceman BW, et al. **Biochem J** 1980 Sep 15;190(3):781-9

RNA polymerase-binding sites on the bacterial plasmid pMB9. Skern TR, et al. **Biochem Soc Trans** 1980 Dec; 8(6):738-9

Cycling of ribonucleic acid polymerase to produce oligonucleotides during initiation in vitro at the lac UV5 promoter. Carpousis AJ, et al. **Biochemistry** 1980 Jul 8; 19(14):3245-53

Early steps in the path of nascent ribonucleic acid across the surface of ribonucleic acid polymerase, determined by photoaffinity labeling. DeRiemer LH, et al. **Biochemistry** 1981 Mar 17;20(6):1612-7

Synthesis of mono- and dinucleotide photoaffinity probes of ribonucleic acid polymerase. DeRiemer LH, et al. **Biochemistry** 1981 Mar 17;20(6):1606-12

Productive and abortive initiation of transcription in vitro at the lac UV5 promoter. Gralla JD, et al. **Biochemistry** 1980 Dec 9;19(25):5864-9

Auxin-induced deoxyribonucleic acid dependent ribonucleic acid polymerase activities in mature soybean hypocotyl. Guilfoyle TJ. **Biochemistry** 1980 Dec 23;19(26):6112-8

Nucleoside 5'-[gamma-S]triphosphates will initiate transcription in isolated yeast nuclei. Ide GJ. **Biochemistry** 1981 Apr 28;20(9):2633-8

Escherichia coli deoxyribonucleic acid dependent ribonucleic acid polymerase transcriptional pause sites on SV40 DNA F1. Reisbig RR, et al. **Biochemistry** 1981 Mar 31; 20(7):1907-18

Quantitation of the interaction of EScherichia coli RNA polymerase holoenzyme with double-helical DNA using a thermodynamically rigorous centrifugation method. Revzin A, et al. **Biochemistry** 1981 Jan 20;20(2):250-6

Ribonucleic acid release activity of transcription termination protein rho is dependent on the hydrolysis of nucleoside triphosphates. Richardson JP, et al. **Biochemistry** 1980 Sep 2;19(18):4293-9

Native deoxyribonucleic acid transcription by yeast RNA polymerase--P37 complex. Sawadogo M, et al. **Biochemistry** 1981 Jun 9;20(12):3542-7

Difference in phosphorylation of two factors stimulating RNA polymerase II of Ehrlich ascites tumor cells. Sekimizu K, et al. **Biochemistry** 1981 Apr 14;20(8):2286-92

Binding of Escherichia coli ribonucleic acid polymerase holoenzyme to a bacteriophage T7 promoter-containing fragment: selectivity exists over a wide range of solution conditions. Strauss HS, et al. **Biochemistry** 1980 Jul 22; 19(15):3496-504

Binding of Escherichia coli ribonucleic acid polymerase holoenzyme to a bacteriophage T7 promoter-containing fragment: evaluation of promoter binding constants as a function of solution conditions. Strauss HS, et al. **Biochemistry** 1980 Jul 22;19(15):3504-15

Stimulation of messenger ribonucleic acid synthesis in isolated nuclei by a protein that stimulates RNA polymerase II. Ueno K, et al. **Biochemistry** 1981 Feb 3; 20(3):634-40

Template-independent poly(A) x poly(U) synthesizing activity of different forms of Bacillus subtilis RNA polymerase. Dooley MM, et al. **Biochim Biophys Acta** 1980 Nov 14;610(1):158-66

DNA-RNA polymerase complexes associated with the membrane from bacteriophage T2- or T4-infected Escherichia coli. II. A comparison of in vitro RNA with the in vivo RNA products. Haarr L, et al. **Biochim Biophys Acta** 1980 Dec 11;610(2):261-71

DNA-RNA polymerase complexes associated with the membrane from bacteriophage T2- or T4-infected Escherichia coli. I. General properties. Haarr L, et al. **Biochim Biophys Acta** 1980 Dec 11;610(2):248-60

Partial characterization of RNA polymerase II complex released by micrococcal nuclease digestion of rat liver nuclei. Hatayama T, et al. **Biochim Biophys Acta** 1981 Feb 26;652(2):245-55

Synthesis of low molecular weight RNA components in cells with a temperature-sensitive polymerase II. Hellung-Larsen P, et al. **Biochim Biophys Acta** 1980 Aug 26;609(1):201-4

RNA-polymerase binding at the promoters of the rRNA genes of Escherichia coli. Kiss I, et al. **Biochim Biophys Acta** 1980 Oct 17;609(3):435-47

The interaction of RNA polymerase and DNA. Effects on the helix-coil transition and light scattering. Reisbig RR, et al. **Biochim Biophys Acta** 1981 Feb 26;652(2):294-302

Spectroscopic studies of Congo Red binding to RNA polymerase. Woody AY, et al. **Biochim Biophys Acta** 1981 Aug 27;655(1):82-8

Temporal relationships between endometrial RNA polymerase activities and steroid hormone receptors following estradiol administration during the midluteal phase of the ovine estrous cycle. Zelinski MB, et al. **Biol Reprod** 1981 Feb;24(1):119-24

Cooperation between herpes simplex virus specific alpha protein and host cell RNA polymerase II in the transcription of viral deoxypyrimidine kinase. Leung WC. **Can J Microbiol** 1980 Mar;26(3):401-4

DNA-dependent RNA polymerase I from hepatomas: comparison of activity levels and properties. Cavanaugh AH, et al. **Cancer Biochem Biophys** 1981;5(2):125-33

A sporulation-induced sigma-like regulatory protein from B. subtilis. Haldenwang WG, et al. **Cell** 1981 Feb; 23(2):615-24

Mutations of the yeast SUP4 tRNATyr locus: transcription of the mutant genes in vitro. Koski RA, et al. **Cell** 1980 Nov;22(2 Pt 2):415-25

Localization of RNA polymerase B and histones in the nucleus of primary spermatocytes of Drosophila hydei, studied by immunofluorescence microscopy. Rungger-Brändle E, et al. **Chromosoma** 1981;82(3):399-407

In vitro RNA synthesis in oocyte nuclei of the newt Notophthalmus. Schultz LD, et al. **Chromosoma** 1981; 82(2):171-87

In vitro measurements of RNA polymerase activity in implanting and delayed-implanting mouse embryos. Weitlauf HM. **Dev Biol** 1981 Apr 15;83(1):178-82

RNA polymerase and ribonuclease activities in skeletal muscle of prednisolone-treated rats. Onyezili FN, et al. **Enzyme** 1981;26(4):211-4

Properties and characterization of a spinach chloroplast RNA polymerase isolated from a tanscriptionally active DNA-protein complex. Briat JF, et al. **Eur J Biochem** 1980 Oct;111(2):503-9

Levels of the RNA polymerases during the early larval development of Artemia. Osuna C, et al. **Eur J Biochem** 1980 Aug;109(2):383-9

An alpha-amanitin-resistant DNA-dependent RNA polymerase II from the fungus Aspergillus nidulans. Stunnenberg HG, et al. **Eur J Biochem** 1981 Jun; 117(1):121-9

Nucleolar localization of 'template-bound' RNA polymerase I in nuclei of Xenopus laevis blastulae. Boloukhère M, et al. **Exp Cell Res** 1980 Dec;130(2):291-5

Distribution of fluorescent alpha-amanitin (FAMA) during mitosis in cultured rat kangaroo (PtK1) cells. Wulf E, et al. **Exp Cell Res** 1980 Dec;130(2):415-20

Decreased RNA polymerase activity after organ storage. Warnick CT, et al. **Exp Mol Pathol** 1980 Oct;33(2):123-32

A simple filtration device to study the interaction of RNA-polymerase with DNA. Zech M, et al. **Experientia** 1981 May 15;37(5):537-9

RNA polymerase: a model for rotational translocation. Dennis D, et al. **FEBS Lett** 1981 Feb 23;124(2):135-9

Cooperative effects of RNA polymerase from higher plant cells and Escherichia coli: a comparison. Grossmann K, et al. **FEBS Lett** 1980 Jul 28;116(2):193-5

Template-engaged and free RNA polymerase activities in rat liver nuclei after cortisone injection. Konstantinova IM, et al. **FEBS Lett** 1980 Dec 1;121(2):299-302

Asymmetric transcription of cauliflower mosaic virus genome by the Escherichia coli RNA polymerase in vitro. Volovitch M, et al. **FEBS Lett** 1980 Jul 28;116(2):257-60

Loosely bound chromatin components are responsible for different electrophoretic mobility of the chromatin complexed with rna polymerase II. Yukioka M, et al. **FEBS Lett** 1980 Dec 29;122(2):219-22

Structural analysis of templates and RNA polymerase III transcripts of Alu family sequences interspersed among the human beta-like globin genes. Duncan CH, et al. **Gene** 1981 Mar;13(2):185-96

Variables affecting the selectivity and efficiency of retention of DNA fragments by E. coli RNA polymerase in the nitrocellulose-filter-binding assay. Strauss HS, et al. **Gene** 1981 Jan-Feb;13(1):75-87

Preferential stimulation by aurintricarboxylic acid of DNA-dependent RNA polymerase II activity in isolated larval nuclei of Artemia salina. Swennen L, et al. **Hoppe Seylers Z Physiol Chem** 1981 Feb;362(2):133-42

Inhibition of DNA-dependent RNA polymerase from sarcoma-180 ascites tumour cells by DNA-binding antitumor antibiotics. Chowdhury K, et al. **Indian J Med Res** 1981 Jan;73:90-5

Functional state of rat liver RNA polymerase IA and IB. Zoncheddu A, et al. **Ital J Biochem** 1979 Sep-Oct; 28(5):335-44

Semi-conservative transcription of double-stranded RNA catalyzed by bacteriophage phi 6 RNA polymerase. Emori Y, et al. **J Biochem (Tokyo)** 1980 Dec;88(6):1569-75

Enhancement by thyroid hormone of free and bound RNA polymerase IB activities in rat liver nucleoli. Igarashi T, et al. **J Biochem (Tokyo)** 1980 Dec;88(6):1723-31

A protein required for the initiation of DNA synthesis by RNA polymerase. Ito F, et al. **J Biochem (Tokyo)** 1980 Oct;88(4):1001-7

Measurement of a stimulatory protein of RNA polymerase II in various mouse organs by the complement fixation test. Tamura H, et al. **J Biochem (Tokyo)** 1980 Nov; 88(5):1475-80

A study of the interaction between promotor DNA and T. thermophilus DNA-dependent RNA polymerase 1,2. Tsuji S, et al. **J Biochem (Tokyo)** 1980 Sep;88(3):715-24

The interaction of Escherichia coli core RNA polymerase with specificity-determining subunits derived from unmodified and SP82-modified Bacillus subtilis RNA polymerase. Achberger EC, et al. **J Biol Chem** 1980 Dec 25;255(24):11957-64

The role of the delta peptide of the Bacillus subtilis RNA polymerase in promoter selection. Achberger EC, et al. **J Biol Chem** 1981 Jul 25;256(14):7424-32

Mechanism of dnaB protein action. IV. General priming of DNA replication by dnaB protein and primase compared with RNA polymerase. Arai K, et al. **J Biol Chem** 1981 May 25;256(10):5267-72

Characterization of a rho-dependent termination site within the cro gene of bacteriophage lambda. Calva E, et al.

J Biol Chem 1980 Nov 25;255(22):11017–22

Phosphorylation of eukaryotic DNA–dependent RNA polymerase. Identification of calf thymus RNA polymerase subunits phosphorylated by two purified protein kinases, correlation with in vivo sites of phosphorylation in HeLa cell RNA polymerase II. Dahmus ME. **J Biol Chem** 1981 Apr 10;256(7):3332–9

Specificity of promoter site utilization in vitro by bacterial RNA polymerases on Bacillus phage phi 29 DNA. Transcription mapping with exonuclease III. Davison BL, et al. **J Biol Chem** 1980 Sep 25;255(18):8819–30

In vitro transcription by wheat germ RNA polymerase II. Initiation of RNA synthesis on relaxed, closed circular template. Dynan WS, et al. **J Biol Chem** 1981 Jun 10; 256(11):5866–73

Allosteric stimulatory effect of S–adenosylmethionine on the RNA polymerase in cytoplasmic polyhedrosis virus. A model for the positive control of eukaryotic transcription. Furuichi Y. **J Biol Chem** 1981 Jan 10;256(1):483–93

Role of the sigma subunit of Escherichia coli RNA polymerase in initiation. II. Release of sigma from ternary complexes. Hansen UM, et al. **J Biol Chem** 1980 Oct 25; 255(20):9564–70

Role of the sigma subunit of Escherichia coli RNA polymerase in initiation. I. Characterization of core enzyme open complexes. Hansen UM, et al. **J Biol Chem** 1980 Oct 25;255(20):9556–63

Pausing and termination of transcription within the early region of bacteriophage T7 DNA in vitro. Kassavetis GA, et al. **J Biol Chem** 1981 Mar 25;256(6):2777–86

A direct effect of guanosine tetraphosphate on pausing of Escherichia coli RNA polymerase during RNA chain elongation. Kingston RE, et al. **J Biol Chem** 1981 Mar 25; 256(6):2787–97

Mitochondrial transcription complex from Saccharomyces cerevisiae. Levens D, et al. **J Biol Chem** 1981 Feb 10; 256(3):1466–72

Multiple factors required for accurate initiation of transcription by purified RNA polymerase II. Matsui T, et al. **J Biol Chem** 1980 Dec 25;255(24):11992–6

RNA polymerase from Clostridium acidi–urici. Characterization of a naturally occurring rifampicin–resistant bacterial enzyme. Murray CL, et al. **J Biol Chem** 1981 May 25;256(10):5153–61

Regulation of gene transcription by estrogen and progesterone. Lack of hormonal effects on transcription by Escherichia coli RNA polymerase. Palmiter RD, et al. **J Biol Chem** 1980 Oct 25;255(20):9693–8

Multiple factors are required for the accurate transcription of purified genes by RNA polymerase III. Segall J, et al. **J Biol Chem** 1980 Dec 25;255(24):11986–91

Kinetic investigation of the mechanism of RNA polymerase binding to mutant lac promoters. Stefano JE, et al. **J Biol Chem** 1980 Nov 10;255(21):10423–30

Transcription and in vitro processing of yeast 5 S rRNA. Tekamp PA, et al. **J Biol Chem** 1980 Oct 10;255(19):9501–6

Excess synthesis of viral mRNA 5–terminal oligonucleotides by reovirus transcriptase. Yamakawa M, et al. **J Biol Chem** 1981 Jun 25;256(12):6507–14

Studies on the mechanism of aflatoxin B1 inhibition of rat liver nucleolar RNA synthesis. Yu FL. **J Biol Chem** 1981 Apr 10;256(7):3292–7

Changes in RNA polymerase II in a cell cycle–specific temperature–sensitive mutant of hamster cells. Rossini M, et al. **J Cell Physiol** 1980 Apr;103(1):97–103

Functional states of RNA polymerase in the macronucleus of Tetrahymena pyriformis and their dependence on culture growth. Freiburg M. **J Cell Sci** 1981 Feb;47:267–75

Escherichia coli RNA polymerase and trp repressor interaction with the promoter–operator region of the tryptophan operon of Salmonella typhimurium. Oppenheim DS, et al. **J Mol Biol** 1980 Dec 5;144(2):133–42

Electron microscopic determination of the preferential binding sites of Escherichia coli RNA polymerase to phi X174 replicative form DNA. Williams RC, et al. **J Mol Biol** 1980 Jul 5;140(3):435–9

Regression of myocardial hypertrophy. II. RNA synthesis and RNA polymerase activity. Cutilletta AF. **J Mol Cell Cardiol** 1980 Aug;12(8):827–32

Effect of ischemia on the activity of DNA–dependent RNA polymerase and DNA polymerase. Gottlieb M, et al. **J Neurochem** 1981 Jul;37(1):255–7

5 alpha–Dihydrotestosterone nuclear receptor and RNA polymerases activity in the male rat anterior pituitary (in vitro studies). Mercier L, et al. **J Steroid Biochem** 1980 Jan;12:355–9

Estrogen receptors and estrogen–induced gene expression in the rat mammary glands and uteri during pregnancy and lactation: changes in progesterone receptor and RNA polymerase activity. Mohla S, et al. **J Steroid Biochem** 1981 Jun;14(6):501–8

Quantitative regulation of transcription in eurkaryotes: theoretical considerations of RNA polymerase involvement. Beebee TJ. **J Theor Biol** 1980 Oct 21; 86(4):803–15

Characterization of RNA polymerase products of Nebraska calf diarrhea virus and SA11 rotavirus. Bernstein JM, et al. **J Virol** 1981 Mar;37(3):1071–4

Small reovirus–specific particle with polycytidylate–dependent RNA polymerase activity. Gomatos PJ, et al. **J Virol** 1980 Nov;36(2):556–65

Frog virus 3 requires RNA polymerase II for its replication. Goorha R. **J Virol** 1981 Jan;37(1):496–9

Semiconservative synthesis of single–stranded RNA by bacteriophage phi 6 RNA polymerase. Van Etten JL, et al. **J Virol** 1980 Feb;33(2):769–73

Free sigma subunit of Bacillus subtilis RNA polymerase binds to DNA. Kudo T, et al. **MGG** 1981;181(1):63–8

A computerized method for mapping RNA polymerase binding sites on adenovirus 2 DNA. McCourt S, et al. **MGG** 1980;179(3):643–6

An unusual RNA polymerase binding site in the immunity region of phage lambda. Pirrotta V, et al. **MGG** 1980; 180(2):369–76

Location of binding sites for RNA polymerase II from wheat germ and from human placenta on adenovirus 2 DNA. Witney FR, et al. **MGG** 1980;179(3):627–46

Recognition of promoter sequences by RNA polymerases from different sources. Leib C, et al. **Mol Biol Biochem Biophys** 1980;32:301–7

DNA–dependent RNA polymerase activity in silkmoth–wing epidermis after hormone treatment. Katula KS, et al. **Mol Cell Endocrinol** 1981 Jun;22(3):315–28

Effect of 6–mercaptopurine ribonucleotides on DNA–dependent RNA polymerase activity. Kawahata RT, et al. **Mol Pharmacol** 1980 Nov;18(3):503–6

Polymerase III control region defined [news] Ford PJ. **Nature** 1980 Sep 11;287(5778):109–10

DNA–dependent RNA polymerase II of plant origin transcribes viroid RNA into full–length copies. Rackwitz HR, et al. **Nature** 1981 May 28;291(5813):297–301

Mapping of promoter sites utilized by T3 RNA polymerase on T3 DNA. Bailey JN, et al. **Nucleic Acids Res** 1980 Nov 11;8(21):5071–88

On the promoter complex formation rate of E. coli RNA polymerases with T7 phage DNA. Belintsev BN, et al. **Nucleic Acids Res** 1980 Mar 25;8(6):1391–404

Yeast viral RNA polymerase is a transcriptase. Bruenn J, et al. **Nucleic Acids Res** 1980 Jul 11;8(13):2985–97

On the mechanism of inhibitory effect of violamycin antibiotics on the transcription by bacteriophage T3–induced RNA polymerase. Brux B, et al. **Nucleic Acids Res** 1981 Feb 25;9(4):1005–18

Azidopolynucleotides as photoaffinity reagents. Cartwright IL, et al. **Nucleic Acids Res** 1980 Apr 11;8(7):1675–91

Initiation of transcription by RNA polymerase II in permeable, SV40–infected or noninfected, CVI cells; evidence for multiple promoters of SV40 late transcription. Contreras R, et al. **Nucleic Acids Res** 1981 Jan 24; 9(2):215–36

In vitro transcription of chromatin containing histones hyperacetylated in vivo. Dobson ME, et al. **Nucleic Acids Res** 1980 Sep 25;8(18):4201–19

Transcriptional analysis of interspersed repetitive polymerase III transcription units in human DNA. Elder JT, et al. **Nucleic Acids Res** 1981 Mar 11;9(5):1171–89

Rho–independent termination: dyad symmetry in DNA causes RNA polymerase to pause during transcription in vitro. Farnham PJ, et al. **Nucleic Acids Res** 1981 Feb 11; 9(3):563–77

E coli RNA polymerase–rRNA promoter interaction and the effect of ppGpp. Hamming J, et al. **Nucleic Acids Res** 1980 Sep 11;8(17):3947–63

Use of RNA polymerase as an enzymatic probe of nucleosomal structure. Hodo HG 3d, et al. **Nucleic Acids Res** 1980 Sep 11;8(17):3851–64

Localization of the Tn5 transposase promoter using the cycling reaction of RNA polymerase. Johnson RC, et al. **Nucleic Acids Res** 1981 Apr 24;9(8):1873–83

Efficient and selective initiation by yeast RNA polymerase B in a dinucleotide–primed reaction. Lescure B, et al. **Nucleic Acids Res** 1981 Jan 10;9(1):31–45

Regulation of promoter selection by the bacteriophage T7 RNA polymerase in vitro. McAllister WT, et al. **Nucleic Acids Res** 1980 Oct 24;8(20):4821–37

Structural analysis of interspersed repetitive polymerase III transcription units in human DNA. Pan J, et al. **Nucleic Acids Res** 1981 Mar 11;9(5):1151–70

DNA strand specificity in promoter recognition by RNA polymerase. Park CS, et al. **Nucleic Acids Res** 1980 Dec 11;8(23):5895–912

The properties of ATP–analogs in initiation of RNA synthesis catalyzed by RNA polymerase from E coli. Smagowicz WJ, et al. **Nucleic Acids Res** 1981 May 25;9(10):2397–401

Transcriptional errors and ambiguity resulting from the presence of 1,N6–ethenoadenosine or 3,N4–ethenocytidine in polyribonucleotides. Spengler S, et al. **Nucleic Acids Res** 1981 Jan 24;9(2):365–73

Alterations in two conserved regions of promoter sequence lead to altered rates of polymerase binding and levels of gene expression. Stefano JE, et al. **Nucleic Acids Res** 1980 Jun 25;8(12):2709–23

Sequence–specific interaction of sigma subunit of E. coli RNA polymerase with DNA. Stender W. **Nucleic Acids Res** 1980 Aug 11;8(15):3459–66

Transcription of killer virion double–stranded RNA in vitro. Welsh D, et al. **Nucleic Acids Res** 1980 Jun 11; 8(11):2365–75

Virion DNA–independent RNA polymerase from Saccharomyces cerevisiae. Welsh JD, et al. **Nucleic Acids Res** 1980 Jun 11;8(11):2349–63

Utilization of 5–alkyl UTPs by DNA–dependen: RNA polymerase I and II purified from cherry salmon (Onchorhynchus masou) liver. Nakayama C, et al. **Nucleic Acids Symp Ser** 1980;(8):s193–6

Control of RNA content of developing human placenta. Kusamran T, et al. **Placenta** 1980 Apr–Jun;1(2):157–67

Escherichia coli RNA polymerase in vitro mimics simian virus 40 in vivo transcription when the template is viral nucleoprotein. Jakobovits EB, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6556–60

Prokaryotic histone–like protein interacting with RNA polymerase. Lathe R, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3548–52

Rate–limiting steps in RNA chain initiation. McClure WR. **Proc Natl Acad Sci USA** 1980 Oct;77(10):5634–8

DNA–dependent transcription of adenovirus genes in a soluble whole–cell extract. Manley JL, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):3855–9

Protein kinase activity of RNA polymerase I purified from a rat hepatoma: probable function of Mr 42,000 and 24,600 polypeptides. Rose KM, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):2833–7

Promoter sequences of eukaryotic protein–coding genes. Corden J, et al. **Science** 1980 Sep 19;209(4463):1406–14

A computational procedure for the analysis of electron images of nucleic acid molecules. Breepoel HL, et al. **Ultramicroscopy** 1981;6(1):19–28

Reovirus: evidence for a second step in the intracellular uncoating and transcriptase activation process. Borsa J, et al. **Virology** 1981 May;111(1):191–200

[Effect of thyroidectomy on RNA polymerase activity of isolated nuclei in the rat skeletal muscle] Layac JP, et al. **C R Soc Biol (Paris)** 1981;175(1):19–22 (Eng. Abstr.) **(Fre)**

[Effect of testosterone on the RNA polymerase I and II activity of the uropygial and cloacal glands of the male quail (Coturnix coturnix japonica)] Abalain JH, et al. **Gen Comp Endocrinol** 1981 Jun;44(2):189–93 **(Fre)**

[DNA–dependent RNA–polymerase from loach embryos. Changes in the activity of forms I and II of the enzyme in the course of development] Ekizashvili VK, et al. **Biokhimiia** 1980 Jul;45(7):1233–44 (Eng. Abstr.) **(Rus)**

[DNA–dependent RNA polymerases from loach embryos. General characteristics of cell–free RNA–synthesizing systems of different complexities] Gauze LN, et al. **Biokhimiia** 1980 Jun;45(6):1017–26 (Eng. Abstr.) **(Rus)**

[Dependence of RNA synthesis in the cell of Physarum polycephalum on concentration and activity of RNA–polymerase II] Kostiuchenko VI, et al. **Biokhimiia** 1981 Feb;46(2):327–32 (Eng. Abstr.) **(Rus)**

[some features of nuclear genome transcription at early stages of liver regeneration. RNA–polymerase activity of isolated nuclei] Lebedeva LM, et al. **Biokhimiia** 1980 Jun; 45(6):974–8 (Eng. Abstr.) **(Rus)**

[Escherichia coli RNA–polymerase complexes with adenovirus 6 DNA detected by means of electrophoresis in agar gel] Krivtsov GG, et al. **Biol Nauki** 1980;(9):34–7 **(Rus)**

[Factors influencing the pulse character of RNA elongation in vitro by E. coli RNA polymerase] Aivazashvili VA, et al. **Mol Biol (Mosk)** 1981 May–Jun;15(3):653–67 (Eng. Abstr.) **(Rus)**

[Reiterative poly(A) synthesis on oligonucleotide templates in an Escherichia coli RNA–polymerase system] Denisova LIa, et al. **Mol Biol (Mosk)** 1980 Nov–Dec;14(6):1372–7 (Eng. Abstr.) **(Rus)**

[Formation of specific T3–RNA–polymerase complexes with oligoribonucleotides and inhibition of DNA–dependent RNA synthesis] Efimova LIu, et al. **Mol Biol (Mosk)** 1980 Jul–Aug;14(4):734–42 (Eng. Abstr.) **(Rus)**

[Reaction of pyrophosphorolysis catalyzed by Escherichia coli RNA polymerase] Rozovskaia TA, et al. **Mol Biol (Mosk)** 1981 May–Jun;15(3):636–52 (Eng. Abstr.) **(Rus)**

[Participation of the product of gene dnaG in the slow nonmutagenic repair pathway for gamma–induced single–stranded DNA breaks in Escherichia coli cells] Khanbekian LM, et al. **Tsitologiia** 1980 Apr;22(4):454–61 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Specificity of chromatin transcription in vitro. Asymmetric transcription of the globin gene by Escherichia coli RNA polymerase. Pays E, et al. **Biochim Biophys Acta** 1981 May 29;653(3):356–67

The coronavirus avian infectious bronchitis virus requires the cell nucleus and host transcriptional factors. Evans MR, et al. **Virology** 1980 Sep;105(2):582–91

RNA REPLICASE see under **RNA NUCLEOTIDYLTRANSFERASES**

RNA, RIBOSOMAL

Physicochemical studies of the 7 S complex of rat liver ribosomes and its components. Behlke J, et al. **Acta Biol Med Ger** 1980;39(1):33–40

A structural model of eukaryotic 5S RNA. Böhm S, et al. **Acta Biol Med Ger** 1980;39(1):K1–6

Molecular weight determination of glyoxalated RNA by sedimentation centrifugation. Nash MA, et al. **Anal Biochem** 1981 Mar 1;111(2):376–84

Physicochemical characterization of the ribosomal RNA species of the Mollusca. Molecular weight, integrity and secondary–structure features of the RNA of the large and

small ribosomal subunits. Cammarano P, et al. **Biochem J** 1980 Aug 1;189(2):313–35

Physical map of the ribosomal ribonucleic acid gene from Tetrahymena pyriformis. Niles EG, et al. **Biochemistry** 1981 Feb 17;20(4):905–9

Distances between 3' ends of ribosomal ribonucleic acids reassembled into Escherichia coli ribosomes. Odom OW Jr, et al. **Biochemistry** 1980 Dec 23;19(26):5947–54

Hydrogen-1 and phosphorus-31 nuclear magnetic resonance study of the solution structure of Bacillus licheniformis 5S ribonucleic acid. Salemink PJ, et al. **Biochemistry** 1981 Jan 20;20(2):265–72

Nucleotide sequences of wheat-embryo cytosol 5-S and 5.8-S ribosomal ribonucleic acids. Mackay RM, et al. **Eur J Biochem** 1980 Dec;112(3):561–76

Stacking properties of a highly hydrophobic dinucleotide sequence, N6, N6-dimethyladenylyl(3' leads to 5')N6, N6-dimethyladenosine, occurring in 16—18-S ribosomal RNA. Tazawa I, et al. **Eur J Biochem** 1980 Aug;109(1):33–8

Laser Raman studies of rat liver ribosomal 5 S RNA. Fabian H, et al. **FEBS Lett** 1981 Jan 12;123(1):19–21

Sequence of the 3'-terminal portion of Drosophila melanogaster 18 S rRNA and of the adjoining spacer: comparison with corresponding prokaryotic and eukaryotic sequences. Jordan BR, et al. **FEBS Lett** 1980 Aug 11; 117(1):227–31

The ternary complex consisting of rat liver ribosomal 5 S RNA, 5.8 S RNA and protein L5. Metspalu A, et al. **FEBS Lett** 1980 Sep 22;119(1):81–4

Topography of RNA in the ribosome: location of the 3'-end of 5 S RNA on the central protuberance of the 50 S subunit. Shatsky IN, et al. **FEBS Lett** 1980 Nov 17;121(1):97–100

Topography of RNA in the ribosome: localization of the 3'-end of the 23 S rna on the surface of the 50 S ribosomal subunit by immune electron microscopy. Shatsky IN, et al. **FEBS Lett** 1980 Dec 29;122(2):251–5

Specific compact selfpacking of the ribosomal 23 S RNA. Vasiliev VD, et al. **FEBS Lett** 1980 Nov 17;121(1):101–4

Nucleotide sequence of 5S ribosomal RNA from Lingula anatina. A study on the molecular evolution of 5S ribosomal RNA from a living fossil. Komiya H, et al. **J Biochem (Tokyo)** 1980 Nov;88(5):1449–56

Folding of yeast 5S ribosomal RNA induced by magnesium binding. Maruyama S, et al. **J Biochem (Tokyo)** 1980 Jul; 88(1):151–8

The nucleotide sequence of spinach cytoplasmic 5 S ribosomal RNA. Delihas N, et al. **J Biol Chem** 1981 Jul 25;256(14):7515–7

Physical characteristics of 16 S rRNA under reconstitution conditions. Tam MF, et al. **J Biol Chem** 1981 Jun 25; 256(12):6430–4

Nucleotide sequence of wheat chloroplastid 4.5 S ribonucleic acid. Sequence homologies in 4.5 S RNA species. Wildeman AG, et al. **J Biol Chem** 1980 Dec 25; 255(24):11896–900

Studies on the secondary structure of 5.8 S rRNA from a thermophile, Thermomyces lanuginosus. Wildeman AG, et al. **J Biol Chem** 1981 Jun 10;256(11):5675–82

Effect of aminonucleoside on transcription, methylation, and maturation of ribosomal RNA in SV40-transformed human lung fibroblasts. Tunkel AR, et al. **J Cell Physiol** 1981 Aug; 108(2):239–49

Ribosomal ribonucleic acid similarities in the classification of Rhodococcus and related taxa. Mordarski M, et al. **J Gen Microbiol** 1980 Jun;118(2):313–9

A slow tritium exchange study of the solution structure of Escherichia coli 5 S ribosomal RNA. Farber NM, et al. **J Mol Biol** 1981 Feb 25;146(2):223–39

Structural characterization and in vitro processing of Escherichia coli ribosomal RNA transcripts containing 5-triphosphates, leader sequences, 16 S rRNA, and spacer tRNAs. Gegenheimer P, et al. **J Mol Biol** 1980 Nov 5; 143(3):227–57

Fine structure of ribosomal RNA. III. Location of evolutionarily conserved regions within ribosomal DNA. Gourse RL, et al. **J Mol Biol** 1980 Jun 25;140(2):321–39

Organization of the ribosomal RNA gene cluster in the yeast Saccharomyces cerevisiae. Kaback DB, et al. **J Mol Biol** 1980 Apr 25;138(4):745–54

Alternative pathways in the processing of ribosomal RNA precursor in Drosophila melanogaster. Long EO, et al. **J Mol Biol** 1980 Apr 25;138(4):873–8

The use of azidoarylimidoesters in RNA-protein cross-linking studies with Escherichia coli ribosomes. Rinke J, et al. **J Mol Biol** 1980 Mar 5;137(3):301–4

Trypanosoma cruzi ribosomal RNA: internal break in the large-molecular-mass species and number of genes. Castro C, et al. **Mol Biochem Parasitol** 1981 Feb;2(3-4):219–33

Experimental determination of interacting sequences in ribosomal RNA. Ross A, et al. **Nature** 1979 Sep 27; 281(5729):271–6

The 3'-terminal primary structure of five eukaryotic 18S rRNAs determined by the direct chemical method of sequencing. The highly conserved sequences include an invariant region complementary to eukaryotic 5S rRNA. Azad AA, et al. **Nucleic Acids Res** 1980 Oct 10; 8(19):4365–76

The secondary structure of the protein L1 binding region of ribosomal 23S RNA. Homologies with putative secondary structures of the L11 mRNA and of a region of mitochondrial 16S rRNA. Branlant C, et al. **Nucleic Acids Res** 1981 Jan 24;9(2):293–307

Structure and topology of 16S ribosomal RNA. An analysis of the pattern of psoralen crosslinking. Cantor CR, et al. **Nucleic Acids Res** 1980 Apr 25;8(8):1855–72

The sequence of the ribosomal 16S RNA from Proteus vulgaris. Sequence comparison with E. coli 16S RNA and its use in secondary model building. Carbon P, et al. **Nucleic Acids Res** 1981 May 25;9(10):2325–33

Nucleotide sequence and structure of cytoplasmic 5S RNA and 5.8S RNA of Chlamydomonas reinhardii. Darlix JL, et al. **Nucleic Acids Res** 1981 Mar 25;9(6):1291–9

Collection of published 5S and 5.8S RNA sequences and their precursors. Erdmann VA. **Nucleic Acids Res** 1981 Jan 10; 9(1):r25–42 (71 ref.)

An experimentally-derived model for the secondary structure of the 16S ribosomal RNA from Escherichia coli. Glotz C, et al. **Nucleic Acids Res** 1980 Jun 11;8(11):2377–95

Fine structure of ribosomal RNA. IV. Extraordinary evolutionary conservation in sequences that flank introns in rDNA. Gourse RL, et al. **Nucleic Acids Res** 1980 Aug 25;8(16):3623–37

The nucleotide sequence of 5S ribosomal RNA from Micrococcus lysodeikticus. Hori H, et al. **Nucleic Acids Res** 1980 Nov 25;8(22):5423–6

The nucleotide sequence of 5S rRNA from a cellular slime mold Dictyostelium discoideum. Hori H, et al. **Nucleic Acids Res** 1980 Dec 11;8(23):5535–9

Chemical modification studies and the secondary structure of HeLa cell 5.8S rRNA. Kelly JM, et al. **Nucleic Acids Res** 1980 Oct 10;8(19):4521–34

Phylogenetic tree derived from bacterial, cytosol and organelle 5S rRNA sequences. Küntzel H, et al. **Nucleic Acids Res** 1981 Mar 25;9(6):1451–61

The 3'-terminal region of bacterial 23S ribosomal RNA: structure and homology with the 3'-terminal region of eukaryotic 28S rRNA and with chloroplast 4.5s rRNA. Machatt MA, et al. **Nucleic Acids Res** 1981 Apr 10; 9(7):1533–49

The conformation of a large RNA fragment from the E.coli ribosomal 16S-RNA. An X-ray and neutron small-angle scattering study. Osterberg R, et al. **Nucleic Acids Res** 1980 Dec 20;8(24):6221–31

Nucleotide sequence of 5S ribosomal RNA from Aspergillus nidulans and Neurospora crassa. Piechulla B, et al. **Nucleic Acids Res** 1981 Mar 25;9(6):1445–50

Reconstitution of biologically active 50S ribosomal subunits with artificial 5S RNA molecules carrying disturbances in the base pairing within the molecular stalk. Raué HA, et al. **Nucleic Acids Res** 1981 Mar 11;9(5):1263–9

The nucleotide sequence of 4.5S ribosomal RNA from tobacco chloroplasts. Takaiwa F, et al. **Nucleic Acids Res** 1980 Sep 25;8(18):4125–9

Adenosine dimethylation of 16S ribosomal RNA: effect of the methylgroups on local conformational stability as deduced from electrophoretic mobility of RNA fragments in denaturing polyacrylamide gels. Van Charldorp R, et al. **Nucleic Acids Res** 1981 Jan 24;9(2):267–75

Some characteristics of processing sites in ribosomal precursor RNA of yeast. Veldman GM, et al. **Nucleic Acids Res** 1980 Jul 11;8(13):2907–20

Secondary structure model for bacterial 16S ribosomal RNA: phylogenetic, enzymatic and chemical evidence. Woese CR, et al. **Nucleic Acids Res** 1980 May 24;8(10):2275–93

A proton-coupled conformational switch of Escherichia coli 5S ribosomal RNA. Kao TH, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3360–4

Secondary structure of eukaryotic cytoplasmic 5S ribosomal RNA. Luehrsen KR, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2150–4

Secondary structure of 16S ribosomal RNA. Noller HF, et al. **Science** 1981 Apr 24;212(4493):403–11

[Secondary and topographic structure of ribosomal RNA 16S of Escherichia coli] Stiegler P, et al. **C R Acad Sci [D] (Paris)** 1980 Dec 8;291(12):937–40 (Eng. Abstr.) **(Fre)**

[Addressed enzymatic fragmentation of RNA molecules] Meteleb VG, et al. **Mol Biol (Mosk)** 1980;14(1):200–11 (Eng. Abstr.) **(Rus)**

ANALYSIS

High-pressure liquid chromatography analysis of oligo- and monoribonucleotide mixtures, with special reference to ribosomal RNA constituents. Vandenberghe A, et al. **Anal Biochem** 1980 Sep 15;107(2):369–76

Restriction mapping of the rRNA genes from Artemia larvae. Cruces J, et al. **Biochem Biophys Res Commun** 1981 Jan 30;98(2):404–9

Identification of a 16-S RNA fragment crosslinked to protein S1 within Escherichia coli ribosomal 30-S subunits by the use of a crosslinking reagent: ethyl 4-azidobenzoylaminoacetimidate. Golinska B, et al. **Eur J Biochem** 1981 Apr;115(3):479–84

Synthesis of a new reagent, ethyl 4-azidobenzoylaminoacetimidate, and its use for RNA-protein cross-linking within Escherichia coli ribosomal 30-S subunits. Millon R, et al. **Eur J Biochem** 1980 Sep;110(2):485–92

Biochemical Research on oogenesis. Composition of the 42-S storage particles of Xenopus laevis oocytes. Picard B, et al. **Eur J Biochem** 1980 Aug;109(2):359–68

Segments of the 16 S RNA located on the surface of the 30 S subunits of Escherichia coli ribosomes. Teterina NL, et al. **FEBS Lett** 1980 Jul 28;116(2):265–8

Methylation patterns of mycoplasma transfer and ribosomal ribonucleic acid. Hsuchen CC, et al. **J Bacteriol** 1980 Dec; 144(3):991–8

Characterization of the association of two small molecular weight RNAs with eukaryotic polysomes. Gunning PW, et al. **J Biol Chem** 1981 Jul 10;256(13):6670–5

6.5 S RNA; preliminary characterisation of unusual small RNAs in Trypanosoma brucei. Cordingley JS, et al. **Mol Biochem Parasitol** 1980 Apr;1(2):91–6

Ribosomal and translatable messenger RNA of Eimeria tenella. Pasternak J, et al. **Mol Biochem Parasitol** 1981 Jul; 3(3):133–42

The structure of the yeast ribosomal RNA genes. 3. Precise mapping of the 18 S and 25 S rRNA genes and structure of the adjacent regions. Bayev A, et al. **Nucleic Acids Res** 1981 Feb 25;9(4):789–99

Analysis of reconstruction of an RNP particle which stores 5S RNA and tRNA in amphibian oocytes. Kloetzel PM, et al. **Nucleic Acids Res** 1981 Feb 11;9(3):605–21

The nucleotide sequence of the 5S rRNA from the archaebacterium Thermoplasma acidophilum. Luehrsen KR, et al. **Nucleic Acids Res** 1981 Feb 25;9(4):965–70

[Model of the secondary structure of eukaryotic ribosomal 18 S rRNA] Man'kin AS, et al. **Dokl Akad Nauk SSSR** 1981;256(4):1006–10 **(Rus)**

BIOSYNTHESIS

The synthesis of ribosomal 5 S RNA in cultured hamster cells during the inhibition of protein synthesis. Takenaka K, et al. **Biochim Biophys Acta** 1981 Aug 27;655(1):26–33

26S and 18S rRNA synthesis in bobbed mutants of Drosophila melanogaster. Terracol R, et al. **Biochimie** 1981; 63(5):451–5

Dictyostelium ribosomal RNA is processed during transcription. Grainger RM, et al. **Cell** 1980 Jul; 20(3):619–23

Properties of ribosomes and ribosomal RNAs synthesized by Escherichia coli grown in the presence of ethionine. Normal maturation of ribosomal RNA in the absence of methylation. Chelbi-Alix MK, et al. **Eur J Biochem** 1981 Apr;115(3):627–34

Role of prolactin in the transcription of beta-casein and 28-S ribosomal genes in the rabbit mammary gland. Teyssot B, et al. **Eur J Biochem** 1980 Sep;110(1):263–72

Nucleolar localization of 'template-bound' RNA polymerase I in nuclei of Xenopus laevis blastulae. Boloukhère M, et al. **Exp Cell Res** 1980 Dec;130(2):291–5

Absence of nucleolar dominance in mouse-human heterokaryons. Lipszyc JS, et al. **Exp Cell Res** 1981 Jun; 133(2):373–82

Nucleolar RNA synthesis in heterokaryons derived from senescent and pre-senescent human fibroblasts. Rener J, et al. **Exp Cell Res** 1980 Oct;129(2):297–301

Phosphorylated proteins involved in the regulation of rRNA synthesis in CHO cells recovering from heat shock. Caizergues-Ferrer M, et al. **FEBS Lett** 1980 Jul 28; 116(2):261–4

Additive effects of cortisol and calf serum on RNA synthesis in isolated rat hepatocytes. Autoradiographic studies with the light and electron microscope. Kwiatkowska M, et al. **Folia Histochem Cytochem (Krakow)** 1980;18(4):249–57

Significance of ribosomal ribonucleic acid synthesis for control of the G1 period in the cell cycle of the heterobasidiomycetous yeast Rhodosporidium toruloides. Yamashita I, et al. **J Bacteriol** 1980 Nov;144(2):772–80

Transcripts and processing patterns for the ribosomal RNA and transfer RNA region of Neurospora crassa mitochondrial DNA. Green MR, et al. **J Biol Chem** 1981 Feb 25;256(4):2027–34

Euglena gracilis chloroplast ribosomal RNA transcription units. II. Nucleotide sequence homology between the 16 S--23 S ribosomal RNA spacer and the 16 S ribosomal RNA leader regions. Orozco EM Jr, et al. **J Biol Chem** 1980 Nov 25;255(22):10997–1003

Euglena gracilis chloroplast ribosomal RNA transcription units. I. The location of transfer RNA, 5 S, 16 S, and 23 S ribosomal RNA genes. Orozco EM Jr, et al. **J Biol Chem** 1980 Nov 25;255(22):10991–6

Transcription and in vitro processing of yeast 5 S rRNA. Tekamp PA, et al. **J Biol Chem** 1980 Oct 10;255(19):9501–6

Mammalian cells do not have a stringent response. Pollard JW, et al. **J Cell Physiol** 1980 Nov;105(2):313–25

The effects of spectinomycin and ethidium bromide on the synthesis of organelle rRNA and on ultrastructure in Ochromonas danica. Smith-Johannsen H, et al. **J Cell Sci** 1980 Jun;43:119–36

Ribosomal RNA synthesis throughout epidermal hyperplastic growth induced by abrasion or treatment with 12-0-tetradecanoyl-phorbol-13-acetate. Argyris TS. **J Invest Dermatol** 1981 May;76(5):388–93

Maturation of ribosomal precursor RNA in Saccharomyces cerevisiae. A mutant with a defect in both the transport and terminal processing of the 20 S species. Carter CJ, et al. **J Mol Biol** 1980 Oct 25;143(2):179–99

Unco-ordinate regulation of ribosomal RNA and ribosomal protein synthesis during L6E9 myoblast differentiation. Krauter KS, et al. **J Mol Biol** 1980 Sep 15;142(2):145–59

Nucleolar ultrastructure and transcription of preribosomal RNA in Rous sarcoma virus-transformed chick embryo fibroblasts treated with alpha-amanitin. Connan G, et al. **JNCI** 1980 Dec;65(6):1245–56

Ribosome turnover in rat brain and liver. Retz KC, et al.

Life Sci 1980 Dec 22-29;27(25-26):2601-4

The effect of amino acid starvation on a major, acid soluble compound on Saccharomyces cerevisiae. Lusby EW Jr, et al. **MGG** 1980;179(3):699-701

Control of ribosomal RNA synthesis in Escherichia coli. V. Stimulation of rrnC gene transcription in vitro by a protein factor. Muto A. **MGG** 1981;181(1):69-73

Involvement of DNA gyrase in rRNA synthesis in vivo. Wahle E, et al. **MGG** 1980;179(3):661-7

Polymerase III control region defined [news] Ford PJ. **Nature** 1980 Sep 11;287(5778):109-10

Organization and expression of the mitochondrial genome of plants I. The genes for wheat mitochondrial ribosomal and transfer RNA: evidence for an unusual arrangement. Bonen L, et al. **Nucleic Acids Res** 1980 Jan 25;8(2):319-35

The distal end of the ribosomal RNA operon rrnD of Escherichia coli contains a tRNA1thr gene, two 5s rRNA genes and a transcription terminator. Duester GL, et al. **Nucleic Acids Res** 1980 Sep 11;8(17):3793-807

Precursors to 16S and 23S ribosomal RNA from a ribonuclear III-strain of Escherichia coli contain intact RNase III processing sites. Gegenheimer P, et al. **Nucleic Acids Res** 1980 Apr 25;8(8):1873-91

Processing of ribosomal precursor RNAs in Physarum polycephalum. Gubler U, et al. **Nucleic Acids Res** 1980 Jun 25;8(12):2647-64

E coli RNA polymerase-rRNA promoter interaction and the effect of ppGpp. Hamming J, et al. **Nucleic Acids Res** 1980 Sep 11;8(17):3947-63

Coding and spacer sequences in the 5.8S-2S region of Sciara coprophila ribosomal DNA. Jordan BR, et al. **Nucleic Acids Res** 1980 Aug 25;8(16):3565-73

Mapping of rRNA genes in an inverted repeat in Nicotiana tabacum chloroplast DNA. Jurgenson JE, et al. **Nucleic Acids Res** 1980 Aug 25;8(16):3505-16

The 5' terminus of the precursor ribosomal RNA of Saccharomyces cerevisiae. Klemenz R, et al. **Nucleic Acids Res** 1980 Jun 25;8(12):2679-89

Nucleotide sequence of a 5S ribosomal RNA gene in the sea urchin Lytechinus variegatus. Lu AL, et al. **Nucleic Acids Res** 1980 Apr 25;8(8):1839-53

Transcriptional mapping of the ribosomal RNA region of mouse L-cell mitochondrial DNA. Nagley P, et al. **Nucleic Acids Res** 1980 Jul 11;8(13):2947-65

Involvement of DNA gyrase in the transcription of ribosomal RNA. Oostra BA, et al. **Nucleic Acids Res** 1980 Sep 25; 8(18):4235-46

The 10 kb Drosophila virilis 28S rDNA intervening sequence is flanked by a direct repeat of 14 base pairs of coding sequence. Rae PM, et al. **Nucleic Acids Res** 1980 Aug 25; 8(16):3491-504

Characterization of cloned ribosomal DNA from Drosophila hydei. Renkawitz-Pohl R, et al. **Nucleic Acids Res** 1980 Oct 24;8(20):4593-611

Nucleotide sequence encoding the 5' end of Xenopus laevis 18S rRNA. Salim M, et al. **Nucleic Acids Res** 1980 Jul 11;8(13):2871-84

Sequence of the distal tRNA1Asp gene and the transcription termination signal in the Escherichia coli ribosomal RNA operon rrnF(or G). Sekiya T, et al. **Nucleic Acids Res** 1980 Sep 11;8(17):3809-27

The transcription termination site of the ribosomal RNA operon in yeast. Veldman GM, et al. **Nucleic Acids Res** 1980 Nov 25;8(22):5179-92

Repair of lesions which cause premature termination of transcription in chicken embryo cells irradiated with ultraviolet light. Hackett PB, et al. **Virology** 1981 Jul 30; 112(2):752-6

[In vivo synthesis of mitochondrial RNA immediately after fertilization in Paracentrotus lividus] Greco M, et al. **Boll Soc Ital Biol Sper** 1980 May 30;56(10):1031-7 (Eng. Abstr.) **(Ita)**

[Maturing of ribosomal RNAs in rat thymus cells] Evtushenko VI, et al. **Biokhimiia** 1980 Jan;45(1):173-9 (Eng. Abstr.) **(Rus)**

BLOOD

The control of ribosomal RNA transcription in lymphocytes. Evidence that the rate of chain elongation is the limiting factor. Dauphinais C. **Eur J Biochem** 1981 Mar; 114(3):487-92

GENETICS

Transfer RNA genes associated with the 16S and 23S rRNA genes of Euglena chloroplast DNA. Keller M, et al. **Biochem Biophys Res Commun** 1980 Jul 16;95(1):47-54

Individual quantitative rDNA variation in three species of the Cucurbitaceae family. Marazia T, et al. **Biochem Genet** 1980 Jun;18(5-6):509-17

Processing of the ribonucleic acid in the large ribosomal subunits of Urechis caupo. Davis FC, et al. **Biochemistry** 1981 Jun 9;20(12):3554-61

Ribonucleic acid splicing in Neurospora Mitochondria: secondary structure of the 35S ribosomal precursor ribonucleic acid investigated by digestion with ribonuclease III and by electron microscopy. Grimm MF, et al. **Biochemistry** 1981 May;20(10):2836-42

RNA-polymerase binding at the promoters of the rRNA genes of Escherichia coli. Kiss I, et al. **Biochim Biophys Acta** 1980 Oct 17;609(3):435-47

Mouse rDNA nontranscribed spacer sequences are found flanking immunoglobulin CH genes and elsewhere throughout the genome. Arnheim N, et al. **Cell** 1980 Nov; 22(1 Pt 1):179-85

Orphons: dispersed genetic elements derived from tandem repetitive genes of eucaryotes. Childs G, et al. **Cell** 1981 Mar;23(3):651-63

The 3' terminus of the large ribosomal subunit ('17S') RNA from hamster mitochondria is ragged and oligoadenylated. Dubin DT, et al. **Cell** 1981 Jan;23(1):271-8

On ribosomal gene compensation in Drosophila. Endow SA. **Cell** 1980 Nov;22(1 Pt 1):149-55

Nonrandom alignment of nucleosomes on 5S RNA genes of X. laevis. Gottesfeld JM, et al. **Cell** 1980 Oct; 21(3):751-60

A family of inverted repeat sequences and specific single-strand gaps at the termini of the Physarum rDNA palindrome. Johnson EM. **Cell** 1980 Dec;22(3):875-86

Chromatin structure of the 5S RNA genes of D. melanogaster. Louis C, et al. **Cell** 1980 Nov;22(2 Pt 2):387-92

Insertions of Tn 10 into an E. coli ribosomal RNA operon are incompletely polar. Morgan EA. **Cell** 1980 Aug; 21(1):257-65

Single extrachromosomal ribosomal RNA gene copies are synthesized during amplification of the rDNA in Tetrahymena. Pan WC, et al. **Cell** 1981 Feb;23(2):459-66

A mosaicism in the higher order structure of Xenopus oocyte nucleolar chromatin prior to and during ribosomal gene transcription. Pruitt SC, et al. **Cell** 1981 Mar;23(3):711-20

The binding of a transcription factor to deletion mutants of a 5S ribosomal RNA gene. Sakonju S, et al. **Cell** 1981 Mar; 23(3):665-9

Precise localization and nucleotide sequence of the two mouse mitochondrial rRNA genes and three immediately adjacent novel tRNA genes. Van Etten RA, et al. **Cell** 1980 Nov;22(1 Pt 1):157-70

Ribosomal RNA gene amplification in Tetrahymena may be associated with chromosome breakage and DNA elimination. Yao MC. **Cell** 1981 Jun;24(3):765-74

Characterization of a nucleolar residue fraction that specifically transcribes preribosomal RNA. Ballal NR, et al. **Cell Biol Int Rep** 1980 Nov;4(11):997-1007

Quantitation of in situ hybridization of ribosomal ribonucleic acids to human diploid cells. Coté BD, et al. **Chromosoma** 1980;80(3):349-67

Identification of the Balbiani ring 2 chromomere and determination of the content and compaction of its DNA. Derksen J, et al. **Chromosoma** 1980;81(1):65-84

Hybridization of tRNAs of Drosophila melanogaster to the region of the 5S RNA genes of the polytene chromosomes. Hayashi S, et al. **Chromosoma** 1981;82(3):385-97

Isolation and characterization of a new family of mobile dispersed genetic elements, mdg3, in Drosophila melanogaster. Ilyin YV, et al. **Chromosoma** 1980; 81(1):27-53

Comparison of the nuclear ribosomal units of five Chlamydomonas species. Marco Y, et al. **Chromosoma** 1981; 81(5):629-40

Nontranscribed spacers in Drosophila ribosomal DNA. Rae PM, et al. **Chromosoma** 1981;82(5):637-55

Large sized nascent protein as dominating component during protein synthesis in Chironomus salivary glands. Rydlander L, et al. **Chromosoma** 1980;81(1):85-99

Sequences translated by Balbiani ring 75S RNA in vitro are present in giant secretory protein from Chironomus tentans. Rydlander L, et al. **Chromosoma** 1980;81(1):101-13

Localization and characterization of rDNA in Drosophila tumiditarsus. Sinibaldi RM, et al. **Chromosoma** 1981; 81(5):655-71

Structure and expression of ribosomal RNA genes of Drosophila melanogaster interrupted by type-2 insertions. Long EO, et al. **Cold Spring Harbor Symp Quant Biol** 1980; 45 Pt 2:667-72

The frequency and distribution of 5.8S rRNA genes and the relationship to 18/28S rRNA genes in human chromosomes. Henderson AS, et al. **Cytogenet Cell Genet** 1980;28(1-2):136-9

Localization and metabolic activity of ribosomal genes in Chinese hamster meiotic and mitotic chromosomes. Jhanwar SC, et al. **Cytogenet Cell Genet** 1981;30(1):39-46

Location of the 18S and 28S rRNA cistrons in the genome of the domestic rabbit (Oryctolagus cuniculus L). Martin-DeLeon PA. **Cytogenet Cell Genet** 1980; 28(1-2):34-40

Structure of the 5-S ribosomal RNA gene and its adjacent regions in Torulopsis utilis. Tabata S. **Eur J Biochem** 1980 Sep;110(1):107-14

Structural organization of spacer chromatin between transcribed ribosomal RNA genes in amphibian oocytes. Scheer U. **Eur J Cell Biol** 1980 Dec;23(1):189-96

Sequence analysis of nuclear matrix associated DNA from rat liver. Pardoll DM, et al. **Exp Cell Res** 1980 Aug; 128(2):466-70

5 S ribosomal RNA genes and the AluI family: evolutionary and functional significance of a region of strong homology. Doolittle WF. **FEBS Lett** 1981 Apr 20;126(2):147-9

A 5.8 S rRNA-like sequence in prokaryotic 23 S rRNA. Nazar RN. **FEBS Lett** 1980 Oct 6;119(2):212-4

3'-terminal nucleotide sequence of Crithidia fasciculata small ribosomal subunit RNA. Schnare MN, et al. **FEBS Lett** 1981 Jun 15;128(2):298-304

Proposed sequence homology between the 5'-end regions of prokaryotic 23 S rRNA and eukaryotic 28 S rRNA. Relevance to the hypothesis that 5.8 S rRNA is homologous to the 5'-end region of 23 S rRNA. Walker WF. **FEBS Lett** 1981 Apr 20;126(2):150-1

Quantitative estimation of nucleolar cistrons (rDNA) in proliferating normal and tumor cells. Sugiyama T, et al. **Gan** 1980 Jun;71(3):372-80

Isolation of rat liver 5S RNA genes. Arsenyan SG, et al. **Gene** 1980 Oct;11(1-2):97-108

Base distribution in the coding and noncoding regions in the rDNA of Lytechinus variegatus. Blin N, et al. **Gene** 1980 Jun;10(1):75-8

Recombination of a eukaryotic DNA in bacteria. Carroll D, et al. **Gene** 1980 Aug;10(3):273-81

Extrachromosomal rDNA of Tetrahymena thermophila is not a perfect palindrome. Kiss GB, et al. **Gene** 1981 Apr; 13(3):281-7

3 micron DNA - an extrachromosomal ribosomal DNA in the yeast Saccharomyces cerevisiae. Larionov VL, et al. **Gene** 1980 Dec;12(1-2):41-9

Cloning and organization of genes for 5S ribosomal RNA in the sea urchin. Lytechinus variegatus. Lu AL, et al. **Gene** 1981 Jun-Jul;14(1-2):51-62

Divergence of primate ribosomal RNA genes as assayed by restriction enzyme analysis. Nelkin B, et al. **Gene** 1980 Oct; 11(1-2):89-96

A hybrid plasmid containing Drosophila melanogaster DNA sequences complementary to the large mitochondrial ribosomal RNA. Steward R, et al. **Gene** 1981 Jun-Jul; 14(1-2):131-5

Chromosomal distribution of the major insert in Drosophila melanogaster 28S rRNA genes. Peacock WJ, et al. **Genet Res** 1981 Apr;37(2):209-14

Search for ribosomal mutants in Podospora anserina: genetic analysis of cold-sensitive mutants. Picard-Bennoun M, et al. **Genet Res** 1980 Dec;36(3):289-97

Unequal crossing over at the rRNA tandon as a source of quantitative genetic variation in Drosophila. Frankham R, et al. **Genetics** 1980 Jul;95(3):727-42

Analysis of the autosomal mutation abo and its interaction with the ribosomal DNA or Drosophila melanogaster: the role of X-chromosome heterochromatin. Yedvobnick B, et al. **Genetics** 1980 Jul;95(3):661-72

Evidence for methylation of inactive human rRNA genes in amplified regions. Tantravahi U, et al. **Hum Genet** 1981; 56(3):315-20

Activity of rRNA genes in cells of a patient with Down syndrome mosaic. Wegner RD, et al. **Hum Genet** 1980; 55(2):227-9

Control of cell proliferation in transformed cells. Baserga R, et al. **IARC Sci Publ** 1980;(27):133-41

Deletion of a ribosomal ribonucleic acid operon in Escherichia coli. Ellwood M, et al. **J Bacteriol** 1980 Aug; 143(2):1077-80

Structural integrity of DNA and translational integrity of ribosomes in nuclease-treated cell-free protein synthesizing systems prepared from wheat germ and rabbit reticulocytes. Kennedy TD, et al. **J Biol Chem** 1981 Jun 10; 256(11):5802-9

Ribosomal RNA genes in Kluyveromyces marxianus. Ojha M. **J Gen Microbiol** 1980 Apr;117(2):449-54

Detailed transcription map of the extrachromosomal ribosomal RNA genes in Tetrahymena thermophila. Engberg J, et al. **J Mol Biol** 1980 Sep 25;142(3):289-313

Fine mapping of the ribosomal RNA genes of HeLa cell mitochondrial DNA. Ojala D, et al. **J Mol Biol** 1980 Apr; 138(2):411-20

Rapid cataloging of ribonuclease T1 resistant oligonucleotides from ribosomal RNAs for phylogenetic studies. Stackebrandt E, et al. **J Mol Evol** 1981;17(4):227-36

Homologies among ribosomal RNA and messenger RNA genes in chloroplasts, mitochondria and E. coli. Bohnert HJ, et al. **MGG** 1980;179(3):539-45

Fine structure of the 21S ribosomal RNA region on yeast mitochondrial DNA. IV. Characterization of the omega neutral allele. Bos JL. **MGG** 1981;181(4):420-3

Characterization of cloned rat ribosomal DNA fragments. Fuke M, et al. **MGG** 1981;182(1):25-30

Comparison between rDNA magnification and bb lethal mutation frequencies in Drosophila melanogaster. Malva C, et al. **MGG** 1980;180(3):511-5

Nonrandom segregation of nucleolar organizing chromosomes at mitosis? Bobrow M, et al. **Nature** 1980 Nov 6;288(5786):79-81

Springcleaning ribosomal DNA: a model for multigene evolution? [news] Dover G, et al. **Nature** 1981 Apr 30; 290(5809):731-2

Intervening sequences in ribosomal RNA genes and bobbed phenotype in Drosophila hydei. Franz G, et al. **Nature** 1981 Aug 13;292(5824):638-40

Sequencing of 16S--23S spacer in a ribosomal RNA operon of Euglena gracilis chloroplast DNA reveals two tRNA genes. Graf L, et al. **Nature** 1980 Aug 28;286(5776):908-10

Altered ribosomal RNA genes in mitochondria from mammalian cells with chloramphenicol resistance. Kearsey SE, et al. **Nature** 1981 Apr 16;290(5807):607-8

The reactivation of developmentally inert 5S genes in somatic nuclei injected into Xenopus oocytes. Korn LJ, et al. **Nature** 1981 Feb 5;289(5797):461-5

Pseudogenes. Proudfoot N. **Nature** 1980 Aug 28; 286(5776):840-1

Arrangements and rearrangements of sequences flanking the

two types of rDNA insertion in D. melanogaster. Roiha H, et al. **Nature** 1981 Apr 30;290(5809):749–53

Nucleotide sequence of Xenopus laevis 18S ribosomal RNA inferred from gene sequence. Salim M, et al. **Nature** 1981 May 21;291(5812):205–8

The nucleotide sequence of the initiation region of the ribosomal transcription unit from mouse. Bach R, et al. **Nucleic Acids Res** 1981 Apr 10;9(7):1559–69

The 3'-terminal sequence of the small subunit ribosomal RNA from hamster mitochondria. Baer R, et al. **Nucleic Acids Res** 1980 Nov 11;8(21):4927–41

Methylated regions of hamster mitochondrial ribosomal RNA: structural and functional correlates. Baer RJ, et al. **Nucleic Acids Res** 1981 Jan 24;9(2):323–37

The structure of the yeast ribosomal RNA genes. 2. The nucleotide sequence of the initiation site for ribosomal RNA transcription. Bayev AA, et al. **Nucleic Acids Res** 1980 Nov 11;8(21):4919–26

The organization of the ribosomal RNA genes in the fungus Mucor racemosus. Cihlar RL, et al. **Nucleic Acids Res** 1980 Feb 25;8(4):793–804

Hybridizable sequences between cytoplasmic ribosomal RNAs and 3 micron circular DNAs of Saccharomyces cerevisiae and Torulopsis glabrata. Clark-Walker GD, et al. **Nucleic Acids Res** 1980 Mar 11;8(5):1009–22

Sequence organization of the repeating units in the nucleus of wheat which contain 5S rRNA genes. Gerlach WL, et al. **Nucleic Acids Res** 1980 Nov 11;8(21):4851–65

Characterisation of the genes for ribosomal RNA in flax. Goldsbrough PB, et al. **Nucleic Acids Res** 1981 Mar 25; 9(6):1301–9

Electron microscopic analysis of transcription of a ribosomal RNA operon of E. coli. Hamming J, et al. **Nucleic Acids Res** 1981 Mar 25;9(6):1339–50

Nucleotide sequence of Crithidia fasciculata cytosol 5S ribosomal ribonucleic acid. MacKay RM, et al. **Nucleic Acids Res** 1980 Nov 11;8(21):4911–7

The nucleotide sequence at the transcription termination site of ribosomal RNA in Drosophila melanogaster. Mandal RK, et al. **Nucleic Acids Res** 1981 Apr 24;9(8):1801–11

Translational regulation by ribosomal protein S8 in Escherichia coli: structural homology between rRNA binding site and feedback target on mRNA. Olins PO, et al. **Nucleic Acids Res** 1981 Apr 10;9(7):1757–64

A putative precursor for the small ribosomal RNA from mitochondria of Saccharomyces cerevisiae. Osinga KA, et al. **Nucleic Acids Res** 1981 Mar 25;9(6):1351–64

The structure of the yeast ribosomal RNA genes. I. The complete nucleotide sequence of the 18S ribosomal RNA gene from Saccharomyces cerevisiae. Rubtsov PM, et al. **Nucleic Acids Res** 1980 Dec 11;8(23):5779–94

An improved direct RNA sequence method; its application to Vicia faba 5.8S ribosomal RNA. Tanaka Y, et al. **Nucleic Acids Res** 1980 Mar 25;8(6):1259–72

The nucleotide sequence of the putative transcription initiation site of a cloned ribosomal RNA gene of the mouse. Urano Y, et al. **Nucleic Acids Res** 1980 Dec 20; 8(24):6043–58

A sequence from Drosophila melanogaster 18S rRNA bearing the conserved hypermodified nucleoside am psi: analysis by reverse transcription and high-performance liquid chromatography. Youvan DC, et al. **Nucleic Acids Res** 1981 Apr 10;9(7):1723–41

Nucleotide sequences and evolutional aspect of 5S ribosomal RNAs from Lingula and silkworm. Komiya H, et al. **Nucleic Acids Symp Ser** 1980;(8):s119–22

Spontaneous tandem genetic duplications in Salmonella typhimurium arise by unequal recombination between rRNA (rrn) cistrons. Anderson P, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):3113–7

Molecular evidence for genetic exchanges among ribosomal genes on nonhomologous chromosomes in man and apes. Arnheim N, et al. **Proc Natl Acad Sci USA** 1980 Dec; 77(12):7323–7

Non-nucleosomal packaging of a tandemly repeated DNA sequence at termini of extrachromosomal DNA coding for rRNA in Tetrahymena. Blackburn EH, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2263–7

Mitochondrial DNA of chloramphenicol-resistant mouse cells contains a single nucleotide change in the region encoding the 3' end of the large ribosomal RNA. Blanc H, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3789–93

Replication and meiotic transmission of yeast ribosomal RNA genes. Brewer BJ, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6739–43

Nucleotide sequence of the initiation site for ribosomal RNA transcription in Drosophila melanogaster: comparison of genes with and without insertions. Long EO, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1513–7

Association of ribosomal genes in the fibrillar center of the nucleolus: a factor influencing translocation and nondisjunction in the human meiotic oocyte. Mirre C, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):6017–21

Nucleotide sequence of a ribosomal RNA gene intron from slime mold Physarum polycephalum. Nomiyama H, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1376–80

A specific transcription factor that can bind either the 5S RNA gene or 5S RNA. Pelham HR, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4170–4

Location of the 18/28S ribosomal RNA genes in two Hawaiian Drosophila species by monoclonal immunological identification of RNA.DNA hybrids in situ. Stuart WD, et al. **Proc Natl Acad Sci USA** 1981 Jun; 78(6):3751–4

Amplified ribosomal RNA genes in a rat hepatoma cell line are enriched in 5-methylcytosine. Tantravahi U, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):489–93

Organization of transcribed and nontranscribed chromatin. Franke WW, et al. **Results Probl Cell Differ** 1980;11:15–36 (110 ref.)

Mouse oocytes transcribe injected Xenopus 5S RNA gene. Brinster RL, et al. **Science** 1981 Jan 23;211(4480):396–8

Identification of an SV40 DNA sequence related to the reactivation of silent rRNA genes in human greater than mouse hybrid cells. Soprano KJ, et al. **Virology** 1981 Feb; 109(1):127–36

[Nucleotide sequence of the gene for the mitochondrial 15S ribosomal RNA of yeast] Sor F, et al. **C R Acad Sci [D] (Paris)** 1980 Dec 8;291(12):933–6 (Eng. Abstr.) **(Fre)**

[Views on structure and function of elongation factor 1 (EF1) from Eucaryotes (author's transl)] Pulikowska J, et al. **Postepy Biochem** 1980;26(2):183–208 **(Pol)**

[Model of the structure of ribosomal loci A and P] Twardowski T, et al. **Postepy Biochem** 1980;26(4):625–9 **(Pol)**

[Regulation of the number of ribosomal genes in transplantable cultures of Drosophila melanogaster cells] Kubaneishvili MSh, et al. **Dokl Akad Nauk SSSR** 1981; 257(3):714–7 **(Rus)**

[Electron microscopic study of transcription of loach oocyte ribosomal genes] Popenko VI, et al. **Mol Biol (Mosk)** 1981 Mar-Apr;15(2):430–8 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

[Endotoxic contamination of biological products (ribosomal vaccines, viral vaccines and interferon)] Fumarola D, et al. **G Batteriol Virol Immunol** 1979 Jan-Jun;72(1-6):72–7 (Eng. Abstr.) **(Ita)**

ISOLATION & PURIFICATION

Recovery of microquantities of subcellular particles by ultracentrifugation in automatic pipet tips. Murthy MR, et al. **Anal Biochem** 1980 Dec;109(2):354–6

Preparative scale fractionation of Escherichai coli robosomal RNA and transfer RNA on Sjepharose 6B. Hellman U, et al. **Prep Biochem** 1980;10(4):375–86

[Isolation and physical study of the 13S fragment of 16S RNA and its complex with ribosomal protein S4] Shpungin IL, et al. **Mol Biol (Mosk)** 1980 Jul-Aug;14(4):939–50 (Eng. Abstr.) **(Rus)**

METABOLISM

Breakdown of ribosomal RNA in rabbit reticulocytes. Andree HH, et al. **Acta Biol Med Ger** 1980;39(10):995–1006

Labelling kinetics of ribosomal RNA's in rat brain. Carrier-Malhotra L, et al. **Arch Int Physiol Biochim** 1980 Dec;88(5):485–90

Stimulation by polyamines of enzymatic methylation of two adjacent adenines near the 3' and end of 16S ribosomal RNA of Escherichia coli. Igarashi K, et al. **Biochem Biophys Res Commun** 1980 Sep 30;96(2):678–84

Isopycnic analysis of intact cells--I: Escherichia coli over its growth curve. Patterson B, et al. **Biochem Biophys Res Commun** 1980 Aug 14;95(3):958–64

Effects of colchicine on the transcription rate of beta-casein and 28 S-ribosomal RNA genes in the rabbit mammary gland. Teyssot B, et al. **Biochem Biophys Res Commun** 1980 Nov 28;97(2):463–73

Effect of removal of 160 nucleotides from the 3' end of Escherichia coli 16s rRNA on the reconstitution and activity of 30S ribosomes. Zagórska L, et al. **Biochem Biophys Res Commun** 1980 Aug 14;95(3):1152–9

Changes in polyribosomes and poly(A)-containing polyribosomal RNA in the uterus of the ovariectomized rat in response to oestradiol-17 beta treatment. Pretorius PJ, et al. **Biochem J** 1980 Jun 15;188(3):689–94

Glucocorticoids and muscle RNA: the effect of daily administration of prednisolone to rats on the turnover of gastrocnemius ribosomal RNA. Goodlad GA, et al. **Biochem Med** 1981 Feb;25(1):34–47

Inhibition of ribosomal RNA maturation in Friend erythroleukemia cells by 5-fluorouridine and toyocamycin. Hadjiolova KV, et al. **Biochem Pharmacol** 1981 Jul 1; 30(13):1861–3

In vitro ribosomal ribonucleoprotein transport upon nuclear expansion. Herlan G, et al. **Biochemistry** 1980 Aug 19; 19(17):3960–6

Melting of Saccharomyces cerevisiae 5S ribonucleic acid: ultraviolet absorption, circular dichroism, and 360-MHz proton nuclear magnetic resonance spectroscopy. Luoma GA, et al. **Biochemistry** 1980 Nov 11;19(23):5456–62

Correct codon--anticodon base pairing at the 5'-anticodon position blocks covalent cross-linking between transfer ribonucleic acid and 16S RNA at the ribosomal P site. Ofengand J, et al. **Biochemistry** 1981 Feb 3;20(3):552–9

Association of poly(adenylate)-deficient messenger ribonucleic acid with membranes in mouse kidney. Ouellette AJ, et al. **Biochemistry** 1981 Jun 9;20(12):3561–7

Magnesium-dependent interaction of 30S ribosomal subunits with antibodies to N6, N6-dimethyladenosine. Politz SM, et al. **Biochemistry** 1980 Aug 5;19(16):3786–91

Ribonucleic acid-protein cross-linking in Escherichia coli ribosomes: (4-azidophenyl)glyoxal, a novel heterobifunctional reagent. Politz SM, et al. **Biochemistry** 1981 Jan 20;20(2):372–8

Regulation of ribosomal ribonucleic acid levels in growing, 3H-arrested, and crisis-phase WI-38 human diploid fibroblasts. Wolf S, et al. **Biochemistry** 1980 Jul 22; 19(15):3484–90

Iodination of Escherichia coli ribosomal protein L18 abolishes its 5 S RNA binding activity. Fanning TG, et al. **Biochim Biophys Acta** 1981 Feb 26;652(2):256–60

An argument for the existence of a natural complex between protein L5 and 5 S RNA in rat liver 60-S ribosomal subunits. Marion MJ, et al. **Biochim Biophys Acta** 1981 Jan 29;652(1):193–203

Identification by photoaffinity labelling of 16S RNA as a component of IF2-binding site of E. coli MRE 600 ribosome. Girshovich AS, et al. **Biochimie** 1980; 62(7):509–12

RNA-protein complexes identified by crosslinking of polysomes. Sköld SE. **Biochimie** 1981 Jan;63(1):53–60

Synthesis of very high molecular weight thyroglobulin in three heterologous systems. Eggo MC, et al. **Can J Biochem** 1980 May;58(5):446–55

Changes in polysomal polyadenylated RNA and alpha-fetoprotein messenger RNA during hepatocarcinogenesis. Atryzek V, et al. **Cancer Res** 1980 Oct;40(10):3713–8

Structures of the DNA adducts formed in mouse liver after administration of the proximate hepatocarcinogen 1'-hydroxyestragole. Phillips DH, et al. **Cancer Res** 1981 Jan;41(1):176–86

The intervening sequence of the ribosomal RNA precursor is converted to a circular RNA in isolated nuclei of Tetrahymena. Grabowski PJ, et al. **Cell** 1981 Feb; 23(2):467–76

Similarity of the primary sequences of ribosomal RNAs isolated from vegetative and developing cells of Dictyostelium discoidem. Batts-Young B, et al. **Dev Biol** 1980 Aug;78(2):352–64

Baboon late diplotene oocytes contain micronucleoli and a low level of extra rDNA templates. Wolgemuth DJ, et al. **Dev Biol** 1980 Aug;78(2):598–604

The differential phosphorylation of free cytoplasmic and membrane-bound polysomal poly(A)mRNP particles in the bovine adrenal cortex. Moore RE, et al. **Endocrinology** 1980 Oct;107(4):1264–5

Processing of naked 45-S ribosomal RNA precursor in vitro by an RNA-associated endoribonuclease. Denoya C, et al. **Eur J Biochem** 1981 Apr;115(2):375–83

Sequence diversity of nuclear and polysomal polyadenylated and non-polyadenylated RNA in normal and regenerating rat liver. Grady LJ, et al. **Eur J Biochem** 1981 Apr; 115(2):241–5

Relationship between methylation of adenine near the 3' end of 16-S ribosomal RNA and the activity of 30-S ribosomal subunits. Igarashi K, et al. **Eur J Biochem** 1981 Jan; 113(3):587–93

Disproportionate accumulation of 18S and 28S ribosomal RNA in cultured normal rat kidney cells treated with picolinic acid or 5-methylnicotinamide. Costantini MG, et al. **Exp Cell Res** 1981 Apr;132(2):443–51

RNA-protein crosslinking by reaction with a soluble carbodiimide. Chiarrutini C, et al. **FEBS Lett** 1980 Sep 22;119(1):145–9

Radiochemical cross-linking of proteins to RNA within ribosomal subunits from E. coli MRE 600. Giocanti N, et al. **Int J Radiat Biol** 1980 Jul;38(1):63–82

Timing of ribosome synthesis during ascosporogenesis of yeast cells: evidence for early function of haploid daughter genomes. Emanuel JR, et al. **J Bacteriol** 1981 Mar; 145(3):1342–50

Characterization of the binding of rat liver ribosomal proteins L6, L8, L19, S9, and S13 to 5.8 S ribosomal ribonucleic acid. Todokoro K, et al. **J Biol Chem** 1981 Jul 25; 256(14):7207–12

Cytoplasmic methylation of mature 5.8 S ribosomal RNA. Nazar RN, et al. **J Mol Biol** 1980 Sep 5;142(1):117–21

Poly(A)- and nonpoly(A)-RNA associated with rat brain microsomal fractions: in vivo labelling studies. Czosnek H, et al. **J Neurosci Res** 1980;5(6):515–30

How bacterial ribosomes select translation initiation sites. Bahramian MB. **J Theor Biol** 1980 May 7;84(1):103–18

Methylation map of Xenopus laevis ribosomal RNA. Maden BE. **Nature** 1980 Nov 20;288(5788):293–6

Basepairing potential of the 3' terminus of 16S RNA: dependence on the functional state of the 30S subunit and the presence of protein S21. Backendorf C, et al. **Nucleic Acids Res** 1981 Mar 25;9(6):1425–44

Characterization of the Escherichia coli 23S Ribosomal RNA region associated with ribosomal protein L1. Evidence for homologies with the 5'-end region of the L11 operon. Branlant C, et al. **Nucleic Acids Res** 1980 Dec 11; 8(23):5567–77

In vitro splicing of the ribosomal RNA precursor in isolated nucleoli from Tetrahymena. Carin M, et al. **Nucleic Acids Res** 1980 Dec 11;8(23):5551–66

3'-terminal processing of ribosomal RNA precursors in mammalian cells. Hamada H, et al. **Nucleic Acids Res** 1980 Feb 25;8(4):889–903

The nucleotide sequence at the 3'-end of Neurospora crassa 25S-rRNA and the location of a 5.8S-rRNA binding site. Kelly JM, et al. **Nucleic Acids Res** 1981 Mar 11;

9(5):1111–21

The ribosome binding sites recognized by E. coli ribosomes have regions with signal character in both the leader and protein coding segments. Scherer GF, et al. **Nucleic Acids Res** 1980 Sep 11;8(17):3895–907

The alpha and gamma subunits of initiation factor eIF–2 can be cross–linked to 18S ribosomal RNA within the quaternary initiation complex, eIF–2.Met–tRNAf.GDPCP.small ribosomal subunit. Westermann P, et al. **Nucleic Acids Res** 1980 Jul 25; 8(14):3065–71

Ribosomal RNA cleavage, nuclease activation and 2–5A(ppp(A2'p)nA) in interferon–treated cells. Wreschner DH, et al. **Nucleic Acids Res** 1981 Apr 10;9(7):1571–81

The translocation inhibitor tuberactinomycin binds to nucleic acids and blocks the in vitro assembly of 50S subunits. Yamada T, et al. **Nucleic Acids Res** 1980 Dec 11; 8(23):5767–77

Association of a synthetic precistronic region with 70S ribosomes is enhanced by an intact initiation triplet and a sequence complementary to the 3'–terminus of 16S rRNA. Neilson T, et al. **Nucleic Acids Symp Ser** 1980; (7):313–23

Specific binding of a prokaryotic ribosomal protein to a eukaryotic ribosomal RNA: implications for evolution and autoregulation. Gourse RL, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):2722–6

The polyribosomal mRNA––protein complex is a dynamic structure. Greenberg JR. **Proc Natl Acad Sci USA** 1981 May;78(5):2923–6

Recognition of local nucleotide conformation in contrast to sequence by a rRNA processing endonuclease. Stahl DA, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):5644–8

The role of ribonucleic acids in the organization and functioning of ribosomes of E. coli. Bogdanov AA, et al. **Subcell Biochem** 1980;7:81–116 (198 ref.)

[Biosynthesis of collagen in a cell–free system from wheat germ on poly(A)–RNA isolated from membrane–bound polyribosomes of chicken embryos] Berman AE, et al. **Biokhimiia** 1980 Jan;45(1):63–74 (Eng. Abstr.) **(Rus)**

[Binding of Escherichia coli 50S ribosomal subunit proteins with two large 5S RNA fragments] Maimets TO, et al. **Mol Biol (Mosk)** 1981 May–Jun;15(3):569–74 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

The antiviral activity of ribosomal polynucleotides against encephalomyocarditis virus infection of mice. Stewart AG, et al. **Arch Virol** 1980;66(4):283–91

RADIATION EFFECTS

Precise localization of the site of cross–linking between protein L4 and 23S ribonucleic acid induced by mild ultraviolet irradiation of Escherichia coli 50S ribosomal subunits. Maly P, et al. **Biochemistry** 1980 Sep 2; 19(18):4179–88

Evidence for pyrimidine–pyrimidine cyclobutane dimer formation in the covalent cross–linking between transfer ribonucleic acid and 16S ribonucleic acid at the ribosomal P site. Ofengand J, et al. **Biochemistry** 1980 Oct 14; 19(21):4814–22

Cross–linking of L5 protein to 5 S RNA in rat liver 60–S subunits by ultraviolet irradiation. Terao K, et al. **Biochim Biophys Acta** 1980 Sep 19;609(2):306–12

Localisation of a series of intra–RNA cross–links in 16S RNA, induced by ultraviolet irradiation of Escherichia coli 30S ribosomal subunits. Zwieb C, et al. **Nucleic Acids Res** 1980 Jun 11;8(11):2397–411

RNA RODENT VIRUSES

ANALYSIS

Envelope proteins of the BALB/c myeloma mink cell focus–inducing (MCF) viruses. Spriggs DR, et al. **Virology** 1981 Jan 30;108(2):474–83

GENETICS

Pathogenesis of the slow disease of the central nervous system associated with wild mouse virus. II. Role of virus and host gene products. Oldstone MB, et al. **Virology** 1980 Nov;107(1):180–93

Heteroduplex analysis of cloned rat endogenous replication–defective (30 S) retrovirus and Harvey murine sarcoma virus. Young HA, et al. **Virology** 1980 Nov; 107(1):89–99

GROWTH & DEVELOPMENT

Resistance of cultures of normal T cells to infection with murine type C viruses. Horak I, et al. **J Virol** 1981 Jan; 37(1):483–7

RNA, TRANSFER

Transfer RNA: From photophysics to photobiology. Favre A, et al. **Annu Rev Biophys Bioeng** 1981;10:175–95 (128 ref.)

Primary structure of Bacillus subtilis tRNAsTyr. Menichi B, et al. **Biochem Biophys Res Commun** 1980 Jul 16; 95(1):461–7

Esterification of terminal phosphate groups in nucleic acids with sorbitol and its application to the isolation of terminal polynucleotide fragments. Ho NW, et al. **Biochemistry** 1981 Jan 6;20(1):64–7

Effect of heavy water substitution for water on the tRNAVal–valyl–tRNA synthetase system from yeast. Kern D, et al. **Biochemistry** 1980 Jul 8;19(14):3158–64

Correct codon––anticodon base pairing at the 5'–anticodon position blocks covalent cross–linking between transfer ribonucleic acid and 16S RNA at the ribosomal P site. Ofengand J, et al. **Biochemistry** 1981 Feb 3;20(3):552–9

Isolation and sequence analysis of two major leucine transfer ribonucleic acids (anticodon Mm–A–A) from a rat tumor, Morris hepatoma 5123D. Randerath E, et al. **Biochemistry** 1980 Jul 22;19(15):3476–83

Resolution of aromatic resonances in proton nuclear magnetic resonance spectra of transfer ribonucleic acid. Schmidt PG, et al. **Biochemistry** 1981 Jan 6;20(1):79–86

Effect of hydrostatic pressure upon ethidium bromide association with transfer ribonucleic acid. Torgerson PM, et al. **Biochemistry** 1980 Aug 19;19(17):3957–60

Environment of ribothymidine in transfer ribonucleic acid studied by means of nuclear Overhauser effect. Tropp J, et al. **Biochemistry** 1981 Apr 14;20(8):2133–40

Reactions of 2–thioribothymidine ad 4–thiouridine with hydrogen peroxide in transfer ribonucleic acids from Thermus thermophilus and Escherichia coli as studied by circular dichroism. Watanabe K. **Biochemistry** 1980 Nov 25;19(24):5542–9

Low field nuclear magnetic resonance studies of the structure of UGA suppressor tryptophan tRNA from Escherichia coli; normal and photo–crosslinked species. Buckingham RH, et al. **Biochimie** 1980;62(7):491–2

Interaction of the antimalarial drug fluoroquine with DNA, tRNA, and poly(A): 19F–NMR chemical–shift and relaxation, optical absorption, and fluorescence studies. Bolton PH, et al. **Biopolymers** 1981 Mar;20(3):435–49

tRNA–dimethylsulphate reaction: identification of 1,7–dimethylguanosine as a major product at high concentrations of methylating agent. Kanduc D. **Boll Soc Ital Biol Sper** 1981 Mar 15;57(5):477–82

Conformational changes of yeast tRNAphe as monitored by 31P NMR. Salemink PJ, et al. **Eur J Biochem** 1981 Apr; 115(3):635–41

The structure of the CCA end of tRNA, aminoacyl–tRNA and aminoacyl–tRNA in the ternary complex. Kruse TA, et al. **FEBS Lett** 1980 Aug 11;117(1):315–8

The tertiary structure of yeast tRNAPhe in solution studied by phosphodiester bond modification with ethylnitrosourea. Vlassov VV, et al. **FEBS Lett** 1980 Oct 20;120(1):12–6

Tertiary structures of Escherichia coli tRNA as studied by NMR spectroscopy with 13C–labeling method. Yokoyama S, et al. **FEBS Lett** 1980 Sep 22;119(1):77–80

The forms of tRNATrp found in avian sarcoma virus and uninfected chicken cells have structural identity but functional distinctions. Cordell B, et al. **J Biol Chem** 1980 Oct 10;255(19):9358–68

Nucleotide sequence of a spinach chloroplast threonine tRNA. Kashdan MA, et al. **J Biol Chem** 1980 Sep 25; 255(18):8831–5

Sequential folding of transfer RNA. A nuclear magnetic resonance study of successively longer tRNA fragments with a common 5' end. Boyle J, et al. **J Mol Biol** 1980 Jun 5;139(4):601–25

Nuclear magnetic resonance studies of codon–anticodon interaction in tRNAPhe. I. Effect of binding complementary tetra and pentanucleotides to the anticodon. Geerdes HA, et al. **J Mol Biol** 1980 Sep 15; 142(2):195–217

Codon–anticodon interaction in tRNAPhe. II. A nuclear magnetic resonance study of the binding of the codon UUC. Geerdes HA, et al. **J Mol Biol** 1980 Sep 15; 142(2):219–30

Helix–coil dynamics in RNA: the amino acid acceptor helix of Escherichia coli phenylalanine transfer RNA. Hurd RE, et al. **J Mol Biol** 1980 Sep 15;142(2):181–93

Correlation between the abundance of Escherichia coli transfer RNAs and the occurrence of the respective codons in its protein genes. Ikemura T. **J Mol Biol** 1981 Feb 15; 146(1):1–21

The antisuppressor strain sin1 of Schizosaccharomyces pombe lacks the modification isopentenyladenosine in transfer RNA. Janner F, et al. **J Mol Biol** 1980 May 15; 139(2):207–19

Codon recognition by glycine transfer RNAs of Escherichia coli in vivo. Murgola EJ, et al. **J Mol Biol** 1980 Apr 25; 138(4):833–44

RNA processing in microinjected Xenopus oocytes. Sequential addition of base modifications in the spliced transfer RNA. Nishikura K, et al. **J Mol Biol** 1981 Jan 15;145(2):405–20

Multimers of a suppressor transfer RNA: supporting evidence for alternate conformations of the anticodon loop region. Pieczenik G. **J Mol Biol** 1980 Apr 25;138(4):879–84

A tRNATyr promoter with an altered in vitro response to ppgpp. Travers AA. **J Mol Biol** 1980 Jul 25;141(1):91–7

Crystal structure of yeast tRNAAsp. Moras D, et al. **Nature** 1980 Dec 25;288(5792):669–74

The nucleotide sequence of glutamate tRNA4 of Drosophila melanogaster. Altwegg M, et al. **Nucleic Acids Res** 1980 Jan 25;8(2):215–23

The nucleotide sequence of a small (3S) seryl–tRNA (anticodon GCU) from beef heart mitochondria. Arcari P, et al. **Nucleic Acids Res** 1980 Nov 25;8(22):5207–12

Yeast mitochondrial methionine initiator tRNA: characterization and nucleotide sequence. Canaday J, et al. **Nucleic Acids Res** 1980 Apr 11;8(7):1445–57

Compilation of tRNA sequences. Gauss DH, et al. **Nucleic Acids Res** 1981 Jan 10;9(1):r1–23

The nucleotide sequence of glycine tRNA from Mycoplasma mycoides sp. capri. Kilpatrick MW, et al. **Nucleic Acids Res** 1980 Jun 25;8(12):2783–6

The electrostatic molecular potential of tRNAPhe. IV. The potentials and steric accessibilities of sites associated with the bases. Lavery R, et al. **Nucleic Acids Res** 1980 Nov 11;8(21):5095–111

Transfer RNA structure by carbon NMR: C2 of adenine, uracil and cytosine. Schmidt PG, et al. **Nucleic Acids Res** 1980 Feb 11;8(3):643–56

Selective 32P–labelling of individual species in a total tRNA population. Traboni C, et al. **Nucleic Acids Res** 1980 Nov 25;8(22):5223–32

Nucleotide sequence of non–initiator methionine tRNA from Bacillus subtilis. Yamada Y, et al. **Nucleic Acids Res** 1980 Oct 10;8(19):4517–20

5–(carboxymethylaminomethyl)–2–thiouridine, a new modified nucleoside found at the first letter position of the anticodon. Yamada Y, et al. **Nucleic Acids Res** 1981 Apr 24;9(8):1933–9

13C–NMR studies on tertiary structures of E. coli tRNAs with 13C–labeling method. Yokoyama S, et al. **Nucleic Acids Symp Ser** 1980;(8):s153–4

Mechanism of translocation: relative arrangement of tRNA and mRNA on the ribosome. Matzke AJ, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5110–4

Chemical probes for higher–order structure in RNA. Peattie DA, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4679–82

Tritium exchange on transfer RNA: slowly exchanging protons sensitive to a change in the dihydrouridine stem. Ramstein J, et al. **Proc Natl Acad Sci USA** 1981 Mar; 78(3):1567–71

Nuclear Overhauser effect in specifically deuterated macromolecules: NMR assay for unusual base pairing in transfer RNA. Sánchez V, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):5659–62

Folding up a transfer RNA molecule is not simple. Guthrie C. **Q Rev Biol** 1980 Dec;55(4):335–52

[Nucleotide sequence in tRNA Leu 2 from cow mammary gland] Tukalo MA, et al. **Ukr Biokhim Zh** 1980 Sep–Oct; 52(5):547–50 (Eng. Abstr.) **(Rus)**

ANALYSIS

Deoxynucleoside composition of DNAs and modified nucleoside composition of tRNAs determined at nanomole sensitivity by reversed–phase liquid chromatography. Mischke CF, et al. **Anal Biochem** 1980 Jun;105(1):181–7

Evaluation of base–pairing schemes for E. coli 5S RNA by 400 MHz proton nuclear magnetic resonance spectroscopy. Burns PD, et al. **Biochem Biophys Res Commun** 1980 Sep 30;96(2):805–11

AUG is the only initiation codon in eukaryotes. Sherman F, et al. **Biochim Biophys Acta** 1980 Sep 19;609(2):343–6

Does quantitative tRNA adaptation to codon content in mRNA optimize the ribosomal translation efficiency? Proposal for a translation system model. Chavancy G, et al. **Biochimie** 1981 Mar;63(3):187–95

Biochemical Research on oogenesis. Composition of the 42–S storage particles of Xenopus laevix oocytes. Picard B, et al. **Eur J Biochem** 1980 Aug;109(2):359–68

The genetic code in bovine mitochondria: sequence of genes for the cytochrome oxidase subunit II and two tRNAs. Young IG, et al. **Gene** 1980 Dec;12(3–4):257–65

Methylation patterns of mycoplasma transfer and ribosomal ribonucleic acid. Hsuchen CC, et al. **J Bacteriol** 1980 Dec; 144(3):991–8

A rapid method for mapping exposed cytosines in polyribonucleotides. Application to tRNATrp (yeast, beef liver). Mashkova TD, et al. **Mol Biol Rep** 1980 Jul 31; 6(2):83–7

The nucleotide sequence of histidine tRNA gamma of Drosophila melanogaster. Altwegg M, et al. **Nucleic Acids Res** 1980 Aug 11;8(15):3259–62

Organization and expression of the mitochondrial genome of plants I. The genes for wheat mitochondrial ribosomal and transfer RNA: evidence for an unusual arrangement. Bonen L, et al. **Nucleic Acids Res** 1980 Jan 25;8(2):319–35

Analysis of reconstruction of an RNP particle which stores 5S RNA and tRNA in amphibian oocytes. Kloetzel PM, et al. **Nucleic Acids Res** 1981 Feb 11;9(3):605–21

Predicting coding function from nucleotide sequence or survival of 'fitness' of tRNA. Pieczenik G. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3539–43

[Measurement of relative amount of E. coli tRNAs: codon choice in E. coli genes is largely constrained by the concentration of anticodons (author's transl)] Ikemura T. **Tanpakushitsu Kakusan Koso** 1980;25(7):668–78 (41 ref.) **(Jpn)**

[Transfer ribonucleic acids of Entamoeba histolytica. I. Chromatographic analysis of the tRNA isoacceptor species of trophozoites] Hernández–Velarde R, et al. **Arch Invest Med (Mex)** 1980;11(1 Suppl):89–94 **(Spa)**

BIOSYNTHESIS

Regulation of biosynthesis of aminoacyl-transfer RNA synthetases and of transfer-RNA in Escherichia coli. Morgan S, et al. **Arch Biol Med Exp (Santiago)** 1979 OCT; 12(3):415–26

Anomalies in 5'-end [32P] labelling of transfer RNA and partial sequence of a tRNAGlu from Scenedesmus obliquus. McCoy JM, et al. **Biochem Biophys Res Commun** 1980 Aug 14;95(3):1261–7

tRNA chemical methylation. In vitro and in vivo formation of 1,7-dimethylguanosine at high concentrations of methylating agents. Kanduc D. **Biochim Biophys Acta** 1981 Mar 26;653(1):9–17

Transfer RNA processing enzymes. Altman S. **Cell** 1981 Jan; 23(1):3–4

Dimeric transfer RNA precursors in S. pombe. Mao J, et al. **Cell** 1980 Sep;21(2):509–16

Speculations on RNA splicing. Sharp PA. **Cell** 1981 Mar; 23(3):643–6

Biosynthesis of transfer RNA. Daniel V. **CRC Crit Rev Biochem** 1981;9(4):253–92 (240 ref.)

Transfer RNA precursors are accumulated in Escherichia coli in the absence of RNase E. Ray BK, et al. **Eur J Biochem** 1981 Mar;114(3):517–24

Assembly of the mitochondrial membrane system. Sequences of yeast mitochondrial tRNA genes. Bonitz SG, et al. **J Biol Chem** 1980 Oct 10;255(19):9075–81

Transcripts and processing patterns for the ribosomal RNA and transfer RNA region of Neurospora crassa mitochondrial DNA. Green MR, et al. **J Biol Chem** 1981 Feb 25;256(4):2027–34

Euglena gracilis chloroplast ribosomal RNA transcription units. II. Nucleotide sequence homology between the 16 S--23 S ribosomal RNA spacer and the 16 S ribosomal RNA leader regions. Orozco EM Jr, et al. **J Biol Chem** 1980 Nov 25;255(22):10997–1003

Euglena gracilis chloroplast ribosomal RNA transcription units. I. The location of transfer RNA, 5 S, 16 S, and 23 S ribosomal RNA genes. Orozco EM Jr, et al. **J Biol Chem** 1980 Nov 25;255(22):10991–6

A novel link between the biosynthesis of aromatic amino acids and transfer RNA modification in Escherichia coli. Björk GR. **J Mol Biol** 1980 Jul 5;140(3):391–410

Asymmetric maturation of a dimeric transfer RNA precursor. Guthrie C, et al. **J Mol Biol** 1980 May 25;139(3):349–75

Dual specificity of su+ 7 tRNA. Evidence for translational discrimination. Knowlton RG, et al. **J Mol Biol** 1980 Jun 5;139(4):705–20

The biosynthesis of transfer ribonucleic acid in the developing rat brain and in cultured glial cells. Sellinger OZ, et al. **J Neurochem** 1980 Dec;35(6):1436–45

Dimeric tRNA precursors in yeast. Schmidt O, et al. **Nature** 1980 Oct 23;287(5784):750–2

Transfer RNA genes of Drosophila melanogaster. Dudler R, et al. **Nucleic Acids Res** 1980 Jul 11;8(13):2921–37

The distal end of the ribosomal RNA operon rrnD of Escherichia coli contains a tRNA1thr gene, two 5s rRNA genes and a transcription terminator. Duester GL, et al. **Nucleic Acids Res** 1980 Sep 11;8(17):3793–807

An Escherichia coli endonuclease responsible for primary cleavage of in vitro transcripts of bacteriophage T4 tRNA gene cluster. Goldfarb A, et al. **Nucleic Acids Res** 1980 Oct 10;8(19):4501–16

IN vitro transcription of bacteriophage T4 tRNA gene cluster from two different promoters. Goldfarb A. **Nucleic Acids Res** 1981 Feb 11;9(3):519–27

tRNA synthesis: identification of in vivo precursor tRNAs from parental and mutant yeast strains. Hopper AK, et al. **Nucleic Acids Res** 1981 Feb 25;9(4):1019–29

Comparison of substrate base sequences for RNA ligase reactions in the synthesis of a tetradecanucleotide corresponding to bases 21–34 of E. coli tRNAfMet 1. Ohtsuka E, et al. **Nucleic Acids Res** 1980 Sep 11; 8(17):3909–16

Sequence of the distal tRNA1Asp gene and the transcription termination signal in the Escherichia coli ribosomal RNA operon rrnF(or G). Sekiya T, et al. **Nucleic Acids Res** 1980 Sep 11;8(17):3809–27

Construction of a composite tRNA gene by anticodon loop transplant. Yarus M, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5092–6

CHEMICAL SYNTHESIS

Studies on transfer ribonucleic acids and related compounds. XXXIV. Stepwise diester or partial triester synthesis of penta- to octanucleotides corresponding to residues 41--46, 47--54, 61--65 and 66--71 of tRNAfMet of E. coli. Ohtsuka E, et al. **Chem Pharm Bull (Tokyo)** 1980 Aug; 28(8):2450–9

Studies on transfer ribonucleic acids and related compounds. XXXVIII. A rapid method for the synthesis of ribooligonucleotides by using 3',5'-unsubstituted nucleosides. Synthesis of a hexanucleotide containing anticodon triplet of E. coli tRNA fMet. Ohtsuka E, et al. **Chem Pharm Bull (Tokyo)** 1981 Mar;29(3):759–65

GENETICS

Transfer RNA genes associated with the 16S and 23S rRNA genes of Euglena chloroplast DNA. Keller M, et al. **Biochem Biophys Res Commun** 1980 Jul 16;95(1):47–54

Isoaccepting tRNAs of posterior silkgland of mutant Bombyx mori. Matsuzaki K, et al. **Biochem Biophys Res Commun** 1981 Jun 16;100(3):1272–7

Transfer ribonucleic acid genes in the chloroplast deoxyribonucleic acid of pea leaves. Meeker R, et al. **Biochemistry** 1980 Dec 23;19(26):5973–81

Hybridization of bean, spinach, maize and Euglena chloroplast transfer RNAs with homologous and heterologous chloroplast DNAs. An approach to the study of homology between chloroplast tRNAs from various species. Mubumbila M, et al. **Biochim Biophys Acta** 1980 Aug 26;609(1):31–9

A split promoter for a eucaryotic tRNA gene. Hofstetter H, et al. **Cell** 1981 May;24(2):573–85

Evolution of a D. melanogaster glutamate tRNA gene cluster. Hosbach HA, et al. **Cell** 1980 Aug;21(1):169–78

Mitochondrial tRNA gene clusters in Aspergillus nidulans: organization and nucleotide sequence. Köchel HG, et al. **Cell** 1981 Feb;23(2):625–33

Mutations of the yeast SUP4 tRNATyr locus: transcription of the mutant genes in vitro. Koski RA, et al. **Cell** 1980 Nov;22(2 Pt 2):415–25

Mutations at the yeast SUP4 tRNATyr locus: DNA sequence changes in mutants lacking suppressor activity. Kurjan J, et al. **Cell** 1980 Jul;20(3):701–9

Organization and structure of an E. coli tRNA operon containing seven tRNA genes. Nakajima N, et al. **Cell** 1981 Jan;23(1):239–49

The tRNA genes punctuate the reading of genetic information in human mitochondrial DNA. Ojala D, et al. **Cell** 1980 Nov;22(2 Pt 2):393–403

Analysis of a drosophila tRNA gene cluster: two tRNALeu genes contain intervening sequences. Robinson RR, et al. **Cell** 1981 Jan;23(1):251–9

Comparative analysis of human chromosomal segments bearing nonallelic dispersed tRNAimet genes. Santos T, et al. **Cell** 1981 Mar;23(3):699–709

5' flanking sequence signals are required for activity of silkworm alanine tRNA genes in homologous in vitro transcription systems. Sprague KU, et al. **Cell** 1980 Nov; 22(1 Pt 1):171–8

Precise localization and nucleotide sequence of the two mouse mitochondrial rRNA genes and three immediately adjacent novel tRNA genes. Van Etten RA, et al. **Cell** 1980 Nov;22(1 Pt 1):157–70

The gross anatomy of a tRNA gene cluster at region 42A of the D. melanogaster chromosome. Yen PH, et al. **Cell** 1980 Nov;22(1 Pt 1):137–48

Hybridization of tRNAs of Drosophila melanogaster to the region of the 5S RNA genes of the polytene chromosomes. Hayashi S, et al. **Chromosoma** 1981;82(3):385–97

The localization of tRNA5Asn, tRNAHis, and tRNAAla genes from drosophila melanogaster by in situ hybridization to polytene salivary gland chromosomes. Schmidt T, et al. **Chromosoma** 1980;80(3):277–87

The structure and function of tRNA genes of higher eukaryotes. Kubli E. **Experientia** 1981 Jan 15;37(1):1–9 (53 ref.)

The nucleotide sequence of tufB and four nearby tRNA structural genes of Escherichia coli. An G, et al. **Gene** 1980 Dec;12(1–2):33–9

TRNA2Gln Su+2 mutants that increase amber suppression. Bradley D, et al. **J Bacteriol** 1981 Feb;145(2):704–12

Organization of transfer ribonucleic acid genes in the Escherichia coli chromosome. Campen RK, et al. **J Bacteriol** 1980 Dec;144(3):1083–93

Genetic analysis of Saccharomyces cerevisiae transformed by plasmid containing a supressor transfer ribonucleic acid gene. Thomas DY, et al. **J Bacteriol** 1980 Sep; 143(3):1179–86

The synthesis and cloning of two tyrosine suppressor tRNA genes with altered promoter sequences. Dunn RJ, et al. **J Biol Chem** 1981 Jun 25;256(12):6109–18

The evolution of multi-isoacceptor tRNA families. Sequence of tRNA Leu CAA and tRNA Leu CAG from Anacystis nidulans. LaRue B, et al. **J Biol Chem** 1981 Feb 25; 256(4):1539–43

An homologous in vitro assay for yeast nonsense suppressors. Tuite MF, et al. **J Biol Chem** 1981 Jul 25;256(14):7298–304

DNA sequence of a T4 transfer RNA gene cluster. Fukada K, et al. **J Mol Biol** 1980 May 25;139(3):377–91

Hypercycles, parasites and packages. Bresch C, et al. **J Theor Biol** 1980 Aug 7;85(3):399–405

Effect of polymerase mutations on packaging of primer tRNAPro during murine leukemia virus assembly. Levin JG, et al. **J Virol** 1981 Apr;38(1):403–8

A cloned suppressor tRNA gene relaxes stringent control. Breeden L, et al. **MGG** 1980;179(1):125–33

In vitro suppression of UGA codons in a mitochondrial mRNA. De Ronde A, et al. **Nature** 1980 Sep 25; 287(5780):361–3

Sequencing of 16S--23S spacer in a ribosomal RNA operon of Euglena gracilis chloroplast DNA reveals two tRNA genes. Graf L, et al. **Nature** 1980 Aug 28;286(5776):908–10

tRNA punctuation model of RNA processing in human mitochondria. Ojala D, et al. **Nature** 1981 Apr 9; 290(5806):470–4

Only one of two closely related yeast suppressor tRNA genes contains an intervening sequence. Olson MV, et al. **Nature** 1981 Jun 11;291(5815):464–9

Transfer-RNA, an early gene? Eigen M, et al. **Naturwissenschaften** 1981 Jun;68(6):282–92

Transfer-RNA: the early adaptor. Eigen M, et al. **Naturwissenschaften** 1981 May;68(5):217–28

Transfer RNA genes in the cap-oxil region of yeast mitochondrial DNA. Berlani RE, et al. **Nucleic Acids Res** 1980 Nov 11;8(21):5017–30

UGA suppression by normal tRNA Trp in Escherichia coli: codon context effects. Engelberg-Kulka H. **Nucleic Acids Res** 1981 Feb 25;9(4):983–91

Two drosophila melanogaster tRNAGly genes are contained in a direct duplication at chromosomal locus 56F. Hershey ND, et al. **Nucleic Acids Res** 1980 Nov 11;8(21):4899–910

The nucleotide sequence of Scenedesmus obliquus chloroplast tRNAfMet. McCoy JM, et al. **Nucleic Acids Res** 1980 Nov 11;8(21):5089–93

Characterization of tRNA genes in tRNA region II of yeast mitochondrial DNA. Newman D, et al. **Nucleic Acids Res** 1980 Nov 11;8(21):5007–16

Nucleotide sequence of Scenedesmus obliquus cytoplasmic initiator tRNA. Olins PO, et al. **Nucleic Acids Res** 1980 Feb 25;8(4):715–29

Mammalian tRNA genes: nucleotide sequence of rat genes for tRNAAsp, tRNAGly and tRNAGlu. Sekiya T, et al. **Nucleic Acids Res** 1981 May 25;9(10):2239–50

A computer program to search for tRNA genes. Staden R. **Nucleic Acids Res** 1980 Feb 25;8(4):817–25

Different pattern of codon recognition by mammalian mitochondrial tRNAs. Barrell BG, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3164–6

Codon recognition rules in yeast mitochondria. Bonitz SG, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3167–70

Transcription of tRNA genes in vivo: single-stranded compared to double-stranded templates. Cortese R, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4147–51

Two control regions for eukaryotic tRNA gene transcription. DeFranco D, et al. **Proc Natl Acad Sci USA** 1980 Jun; 77(6):3365–8

Changes in the promoter range of RNA polymerase resulting from bacteriophage T4-induced modification of core enzyme. Goldfarb A. **Proc Natl Acad Sci USA** 1981 Jun; 78(6):3454–8

Novel features in the genetic code and codon reading patterns in Neurospora crassa mitochondria based on sequences of six mitochondrial tRNAs. Heckman JE, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3159–63

DNA sequence of the transfer RNA region of bacteriophage T4: implications for transfer RNA synthesis. Mazzara GP, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):889–92

Reiteration frequency mapping: analysis of repetitive sequence organization within cloned DNA fragments containing the human initiator methionine tRNA gene. Zasloff M, et al. **Proc Natl Acad Sci USA** 1980 Oct; 77(10):5668–72

Gene injection into amphibian oocytes. Melton DA, et al. **Results Probl Cell Differ** 1980;11:8–14

Directed deletion of a yeast transfer RNA intervening sequence. Wallace RB, et al. **Science** 1980 Sep 19; 209(4463):1396–400

[Structure of tRNA genes in E coli (author's transl)] Sekiya T. **Seikagaku** 1980;52(4):221–35 (42 ref.) **(Jpn)**

[Model of the structure of ribosomal loci A and P] Twardowski T, et al. **Postepy Biochem** 1980;26(4):625–9 **(Pol)**

ISOLATION & PURIFICATION

The recovery of transfer ribonucleic acid by binding to DEAE-cellulose induced by ammonium sulfate. Gillam IC, et al. **Anal Biochem** 1980 Jul 1;105(2):405–6

Changes in amount of hypo-modified tRNA having guanine in place of queuine during erythroid differentiation of murine erythroleukemia cells. Shindo-Okada N, et al. **Eur J Biochem** 1981 Apr;115(2):423–8

Fluorographic detection of nucleic acids labelled with weak beta-emitters in gels containing high acrylamide concentrations. Joshi S, et al. **FEBS Lett** 1980 Aug 25; 118(1):43–6

Chromatographic fractionation of Escherichia coli transfer RNA on a new support, naphthoyl-Sepharose. Hjertén S, et al. **J Biochem Biophys Methods** 1979 Oct;1(5):263–73

In situ hybridization of three transfer RNAs to the polytene chromosomes of Drosophila melanogaster. Elder RT, et al. **J Mol Biol** 1980 Sep 5;142(1):1–17

Specific changes in Q-ribonucleoside containing transfer RNA species during Friend leukemia cell erythroid differentiation. Lin VK, et al. **Nucleic Acids Res** 1980 Aug 11;8(15):3481–9

Preparative scale fractionation of Escherichai coli robosomal RNA and transfer RNA on Sjepharose 6B. Hellman U, et al. **Prep Biochem** 1980;10(4):375–86

METABOLISM

Reagents suitable for the crosslinking of nucleic acids to proteins. Fink G, et al. **Anal Biochem** 1980 Nov 1; 108(2):394–401

Photochemical cross-linking studies on the interactions of avian myeloblastosis virus reverse transcriptase with primer tRNATrp and TTP. Araya A, et al. **Arch Biochem Biophys** 1980 Dec;205(2):437–48

Studies on aminoacyl tRNA synthetases and transfer RNA in living Xenopus laevis oocytes. Gatica M, et al. **Arch Biol Med Exp (Santiago)** 1979 OCT;12(3):427–31

Changes in the serine-specific transfer ribonucleic acid pattern of guinea pig epidermis after corticosteroid

treatment. Schwarz E, et al. **Arch Dermatol Res** 1980; 269(2):153–9

The stringent response to unacylated tRNA, energy–and temperature–downshift in Bacillus stearothermophilus. Fehr S, et al. **Arch Microbiol** 1981 Mar;129(1):29–31

Vaccinia viral core inhibits Met–tRNA.40S invitation complex formation with physiological mRNAs. Ghosh–Dastidar P, et al. **Biochem Biophys Res Commun** 1981 Apr 15;99(3):946–53

Differences in aminoacylation in vivo and in vitro of lysine isoaccepting tRNAs from virus–transformed cells. Hedgcoth C, et al. **Biochem Biophys Res Commun** 1980 Jul 31;95(2):880–6

Administration of queuine to mice relieves modified nucleoside queuosine deficiency in Ehrlich ascites tumor tRNA. Katze JR, et al. **Biochem Biophys Res Commun** 1980 Sep 16;96(1):313–9

Processing of bacteriophage T4 tRNAs: an RNAase III–strain contains a precursor for tRNAG1n and tRNALeu. Pragai B, et al. **Biochem Biophys Res Commun** 1980 Aug 29;95(4):1431–6

Modification of guanine to queuine in transfer RNAs during development and aging. Singhal RP, et al. **Biochem Biophys Res Commun** 1981 Mar 16;99(1):120–6

The tRNA content of non–hemoglobinized red cell precursors: evidence that tRNA content is controlled by tRNA utilization. Smith DW, et al. **Biochem Biophys Res Commun** 1980 Jul 16;95(1):468–73

Carcinogenic azo dyes modify the acceptance of transfer ribonucleic acid for some amino acids. Stiborová M, et al. **Biochem Pharmacol** 1980 Sep 1;29(17):2301–5

Nonenzymic translocation and spontaneous release of noncognate peptidyl transfer ribonucleic acid from Escherichia coli ribosomes. Cabañas MJ, et al. **Biochemistry** 1980 Nov 11;19(23):5411–6

Excited indole–3–aldehyde from the peroxidase–catalyzed aerobic oxidation of indole–3–acetic acid. Reaction with and energy transfer to transfer ribonucleic acid. De Mello MP, et al. **Biochemistry** 1980 Nov 11;19(23):5270–5

Recognition by initiator transfer ribonucleic acid of a uridine 5' adjacent to the AUG codon: different conformational states of formylatable methionine–accepting transfer ribonucleic acid at the ribosomal peptidyl site. Eckhardt H, et al. **Biochemistry** 1981 Apr 14;20(8):2075–80

Partial digestion of tRNA–aminoacyl–tRNA synthetase complexes with cobra venom ribonuclease. Favorova OO, et al. **Biochemistry** 1981 Feb 17;20(4):1006–11

Catalytic mechanism of phenylalanyl–tRNA synthetase of Escherichia coli K10. Different properties of native and photochemically cross–linked tRNAPhe can be explained in the light of tRNA conformer equilibria. Holler E, et al. **Biochemistry** 1981 Mar 3;20(5):1139–47

Mechanism of translocation: effect of cognate transfer ribonucleic acids on the binding of AUGUn to 70S ribosomes. Holschuh K, et al. **Biochemistry** 1980 Dec 9; 19(25):5857–64

Multistep mechanism of codon recognition by transfer ribonucleic acid. Labuda D, et al. **Biochemistry** 1980 Aug 5;19(16):3799–805

Melting of Saccharomyces cerevisiae 5S ribonucleic acid: ultraviolet absorption, circular dichroism, and 360–MHz proton nuclear magnetic resonance spectroscopy. Luoma GA, et al. **Biochemistry** 1980 Nov 11;19(23):5456–62

Correct codon–anticodon base pairing at the 5'–anticodon position blocks covalent cross–linking between transfer ribonucleic acid and 16S RNA at the ribosomal P site. Ofengand J, et al. **Biochemistry** 1981 Feb 3;20(3):552–9

Interaction of elongation factor Tu with the aminoacyl transfer ribonucleic acid dimer Phe–tRNA–Glu–tRNA. Yamane T, et al. **Biochemistry** 1981 Jan 20;20(2):449–52

Nucleoside changes in tRNAs from Bacillus subtilus treated with 5–fluorouracil. Kaiser II, et al. **Biochim Biophys Acta** 1981 Jan 29;652(1):218–22

tRNA methylation. A rapid and simple method for determination of total radioactivity and methylated base distribution in the same sample. Nau F, et al. **Biochim Biophys Acta** 1981 Apr 27;653(2):299–302

Regulation of small RNAs in Escherichia coli. Alteration in the intracellular concentrations of small RNAs during amino acid and energy starvation. Pao CC, et al. **Biochim Biophys Acta** 1981 Mar 26;653(1):1–8

Study of the interaction between yeast tRNAphe and yeast phenylalanyl–tRNA synthetase by monochromatic ultraviolet irradiation at various wavelengths. Advantages and limits of the method. Renaud M, et al. **Biochim Biophys Acta** 1981 Apr 27;653(2):145–59

Joining of yeast alanine transfer ribonucleic acid half molecules to form a whole molecule by T4 RNA ligase. Wang GH, et al. **Biochim Biophys Acta** 1981 Jan 29; 652(1):82–9

Aminoacids and the anticodon: anticodon interaction: a test of the stereochemical hypothesis? Labuda D, et al. **Biochimie** 1981 Jan;63(1):77–81

Laser light–scattering analysis of the dimerization of transfer ribonucleic acids with complementary anticodons. Wang CC, et al. **Biopolymers** 1981 Jan;20(1):155–68

Biochemical changes induced by tumors at distant sites: altered transfer RNA profiles in livers of mice bearing plasmacytomas. Marini M, et al. **Cancer Lett** 1979 Dec; 8(2):177–81

Lack of a specific ribose methylation at guanosine 17 in Morris hepatoma 5123D tRNASer1IGA. Randerath E, et al. **Cancer Res** 1981 Jul;41(7):2863–7

Intranuclear location of the tRNA splicing enzymes. De Robertis EM, et al. **Cell** 1981 Jan;23(1):89–93

Five specific protein–transfer RNA interactions. Schimmel PR. **CRC Crit Rev Biochem** 1980;9(3):207–51

On the role of ribosylthymine in prokaryotic tRNA function. Kersten H, et al. **Eur J Biochem** 1981 Feb;114(2):451–6

Tetranucleotides as effectors for the binding of initiator tRNA to Escherichia coli ribosomes. Schmitt M, et al. **Eur J Biochem** 1980 Aug;109(1):291–9

Functional recognition of phage RNA by 30–S ribosomal subunits in the absence of initiator tRNA. Van Duin J, et al. **Eur J Biochem** 1980 Sep;110(2):593–7

Effect of threonylcarbamoyl modification (t6A) in yeast tRNA Arg III on codon–anticodon and anticodon–anticodon interactions. A thermodynamic and kinetic evaluation. Weissenbach J, et al. **Eur J Biochem** 1981 May;116(1):207–13

The influence of elongation–factor–Tu . GTP and anticodon–anticodon interactions on the anticodon loop conformation of yeast tRNATyr. Weygand–Durasevic I, et al. **Eur J Biochem** 1981 May;116(1):59–65

Lys–tRNA and cell division. Changes in lys–tRNA during the growth of mouse LM cells. Chu–Der OM, et al. **Exp Cell Res** 1980 Jul;128(1):159–70

Lys–tRNA levels and cell division in mouse 3T3 cells. Conlon–Hollingshead C, et al. **Exp Cell Res** 1980 Jul; 128(1):171–80

Alterations in the metabolism of transfer RNA during erythroid differentiation of the Friend erythroleukemia cell. Kleiman L, et al. **Exp Cell Res** 1980 Oct;129(2):415–24

Isoacceptor glycine tRNA species during bovine myocardium development. Meza L, et al. **Experientia** 1981 Apr 15;37(4):354–6

Mechanism of codon–anticodon interaction in ribosomes: codon–anticodon interaction of aminoacyl–tRNA at the ribosomal donor site. Kirillov SV, et al. **FEBS Lett** 1980 Nov 3;120(2):221–4

Mechanism of codon–anticodon interaction in ribosomes: comparative study of interaction of Phe–tRNAPhe and N–acetyl–Phe–tRNAPhe with the donor site of Escherichia coli ribosomes. Kirillov SV, et al. **FEBS Lett** 1981 Mar 9;125(1):15–9

The role of the cytidine residues of the tRNA 3'–terminus at the peptidyltransferase A– and P–sites. Quiggle K, et al. **FEBS Lett** 1980 Sep 8;118(2):172–5

Initiation of eukaryotic protein synthesis. Thomas AA, et al. **FEBS Lett** 1981 Jun 15;128(2):177–85 (113 ref.)

A new mechanism for the hydrolytic editing function of aminoacyl–trna synthetases. Kinetic specificity for the tRNA substrate. Wright HT. **FEBS Lett** 1980 Sep 8; 118(2):165–71

Abnormal codon recognition of glycyl–tRNA from the posterior silk glands of Bombyx mori. Kawakami M, et al. **J Biochem (Tokyo)** 1980 Oct;88(4):1151–7

The transcription map of human mitochondrial DNA implicates transfer RNA excision as a major processing event. Battey J, et al. **J Biol Chem** 1980 Dec 10; 255(23):11599–606

Homology between chloroplast and prokaryotic initiator tRNA. Nucleotide sequence of spinach chloroplast methionine initiator tRNA. Calagan JL, et al. **J Biol Chem** 1980 Oct 25;255(20):9981–4

Transfer RNA cross–linked to the elongation factor Tu subunit of Q beta replicase does not inhibit Q beta RNA replication. Guerrier–Takada C, et al. **J Biol Chem** 1981 Jun 10;256(11):5840–4

A GTPase reaction accompanying the rejection of Leu–tRNA2 by UUU–programmed ribosomes. Proofreading of the codon–anticodon interaction by ribosomes. Thompson RC, et al. **J Biol Chem** 1981 Jan 10;256(1):81–6

The nucleus as the site of tRNA methylation. Colonna A, et al. **J Cell Physiol** 1980 Apr;103(1):29–33

Mammalian cells do not have a stringent response. Pollard JW, et al. **J Cell Physiol** 1980 Nov;105(2):313–25

Discrimination between aminoacyl groups on su+ 7 tRNA by elongation factor Tu. Knowlton RG, et al. **J Mol Biol** 1980 Jun 5;139(4):721–32

tRNA's and priming of RNA–directed DNA synthesis in mouse mammary tumor virus. Peters G, et al. **J Virol** 1980 Jul;35(1):31–40

Low–molecular–weight RNAs and initiation of RNA–directed DNA synthesis in avian reticuloendotheliosis virus. Peters GG, et al. **J Virol** 1980 Feb;33(2):708–16

Reverse transcriptase as the major determinant for selective packaging of tRNA's into Avian sarcoma virus particles. Peters GG, et al. **J Virol** 1980 Dec;36(3):692–700

Effects of 5–azacytidine on transfer RNA modification: comparative study on normal and malignant tissues. Lu LJ, et al. **Life Sci** 1980 Aug 18;27(7):577–84

Efficiency and fidelity of cell–free protein synthesis by transfer RNA from aged mice. Foote RS, et al. **Mech Ageing Dev** 1980 May;13(1):93–104

On codon– anticodon interactions. Grosjean H, et al. **Mol Biol Biochem Biophys** 1980;32:347–67 (143 ref.)

Structural and dynamic aspects of recognition between tRNAs and aminoacyl–tRNA synthetases. Knorre DG, et al. **Mol Biol Biochem Biophys** 1980;32:278–300 (74 ref.)

Fluorescent tRNA derivatives and ribosome recognition. Wintermeyer W, et al. **Mol Biol Biochem Biophys** 1980; 32:368–75

Effect of methionine sulfoximine on methylation of guanine residues in astroglial transfer ribonucleic acids. Sellinger OZ, et al. **Neurochem Res** 1981 Feb;6(2):153–62

Study of the interactions between avian myeloblastosis virus reverse transcriptase and primer tRNA. Affinity labeling and inactivation of the enzyme by periodate–treated tRNATrp. Araya A, et al. **Nucleic Acids Res** 1980 Sep 11;8(17):4009–20

Nonsense suppression in eukaryotes: the use of the Xenopus oocyte as an in vivo assay system. Bienz M, et al. **Nucleic Acids Res** 1980 Nov 25;8(22):5169–78

Regulation of aromatic amino acid transport by tRNA: role of 2–methylthio–N6–(delta2–isopentenyl)–adenosine. Buck M, et al. **Nucleic Acids Res** 1981 Jan 24;9(2):401–14

Recognition of E coli tRNAArg by arginyl tRNA synthetase. Chakraburtty K. **Nucleic Acids Res** 1980 Oct 10; 8(19):4459–72

Serine activation is the rate limiting step of tRNASer aminoacylation by yeast seryl tRNA synthetase. Dibbelt L, et al. **Nucleic Acids Res** 1980 Sep 11;8(17):4021–39

Presence of queuine in Drosophila melanogaster: correlation of free pool with queuosine content of tRNA and effect of mutations in pteridine metabolism. Jacobson KB, et al. **Nucleic Acids Res** 1981 May 25;9(10):2351–66

Alterations in tRNA isoaccepting species during erythroid differentiation of the Friend leukemia cell. Lin VK, et al. **Nucleic Acids Res** 1980 Aug 11;8(15):3467–80

Dinucleotide codon–anticodon interaction as a minimum requirement for ribosomal aa–tRNA binding: stabilisation by viomycin of aa–tRNA in the A site. Lührmann R. **Nucleic Acids Res** 1980 Dec 11;8(23):5813–24

Effects of magnesium and ionic strength on the diffusion and charge properties of several single tRNA species. Rhee KW, et al. **Nucleic Acids Res** 1981 May 25;9(10):2411–20

Conformational states of yeast tRNA Phe in the complex with cognate and non cognate synthetases. Rigler R, et al. **Nucleic Acids Res** 1981 Feb 25;9(4):1031–44

Role of the 5'–terminal phosphate of tRNA for its function during protein biosynthesis elongation cycle. Sprinzl M, et al. **Nucleic Acids Res** 1980 Oct 24;8(20):4737–44

The binding of T4 gene 32 protein to MS2 virus RNA and transfer RNA. Suau P, et al. **Nucleic Acids Res** 1980 Mar 25;8(6):1357–72

Ribosome binding by tRNAs with fluorescent labeled 3' termini. Wells BD, et al. **Nucleic Acids Res** 1980 Jul 25; 8(14):3229–46

The alpha and gamma subunits of initiation factor eIF–2 can be cross–linked to 18S ribosomal RNA within the quaternary initiation complex, eIF–2.Met–tRNAf.GDPCP.small ribosomal subunit. Westermann P, et al. **Nucleic Acids Res** 1980 Jul 25; 8(14):3065–71

Yeast tRNA precursor mutated at a splice junction is correctly processed in vivo. Colby D, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):415–9

Comparison of the structures of free and ribosome–bound tRNAPhe by using slow tritium exchange. Farber N, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5135–9

Conformational activation of the yeast phenylalanyl–tRNA synthetase catalytic site induced by tRNAPhe interaction: triggering of adenosine or CpCpA trinucleoside diphosphate aminoacylation upon binding of tRNAPhe lacking these residues. Renaud M, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1606–8

Interaction of metal ions with tRNA: effects of cadmium, zinc, and magnesium ions on chromatographic behavior of tyrosine and leucine tRNA species. Hiatt VS, et al. **Toxicol Appl Pharmacol** 1980 Oct;56(1):116–26

[Biological activity of hepatic transfer RNA of rabbits of different ages] Demidov SV, et al. **Biol Nauki** 1980; (12):18–24 **(Rus)**

PHARMACODYNAMICS

On the inhibition of yeast RNA polymerases A and B by tRNA and alpha–amanitin. Sawadogo M. **Biochem Biophys Res Commun** 1981 Jan 15;98(1):261–7

PHYSIOLOGY

Chromatographic evidence that the AAA–coding isoacceptor of lysine tRNA primes DNA synthesis in murine mammary tumor virus. Waters LC. **Virology** 1981 Jul 30;112(2):766–9

RADIATION EFFECTS

Evidence for pyrimidine–pyrimidine cyclobutane dimer formation in the covalent cross–linking between transfer ribonucleic acid and 16S ribonucleic acid at the ribosomal P site. Ofengand J, et al. **Biochemistry** 1980 Oct 14; 19(21):4814–22

Photo–induced crosslinking between phenylalanine transfer RNA and messenger RNA on the Escherichia coli ribosome. Matzke AJ, et al. **Eur J Biochem** 1980 Nov; 112(1):169–78

The effect of X irradiation on the capacity of transfer RNA to act as substrate for guanine–iRNA transferase. Walden T, et al. **Radiat Res** 1981 Aug;87(2):350–9

RNA, TRANSFER, METHYLTRANSFERASES

ANALYSIS

Improved separation of modified nucleosides from tRNA hydrolysates: the patterns of tRNA methylation in rat tissues. Clark I, et al. **J Biochem Biophys Methods** 1979 Oct;1(5):287–98

ANTAGONISTS & INHIBITORS

Inhibition of transmethylases by unsaturated carbonyl derivatives. Rojas M, et al. **Naturwissenschaften** 1980 Dec; 67(12):607–8

Reovirus enzymes that modify messenger RNA are inhibition by perturbation of the lambda proteins. Morgan EM, et al. **Virology** 1981 Sep;113(2):565–72

GENETICS

Some properties of the ribosomal RNA methyltransferase encoded by ksgA and the polarity of ksgA transcription. Andrésson OS, et al. **MGG** 1980;179(1):217–22

ISOLATION & PURIFICATION

S-Adenosylhomocysteine hydrolases as the primary target enzymes in androgen regulation of methylation complexes. Liau MC, et al. **Arch Biochem Biophys** 1981 Apr 15; 208(1):261–72

Isolation and chracterization of m5U–methyltransferase from Escherichia coli. Greenberg R, et al. **J Biol Chem** 1980 Sep 10;255(17):8296–302

METABOLISM

Differential effect of spermine on nuclear and cytoplasmic transfer RNA methyl transferases from Xenopus laevis Oocytes. Solari A, et al. **Arch Biol Med Exp (Santiago)** 1980 Nov;13(2):287–93

Hormone effects on transfer ribonucleic acid methylases in rat liver. Leyman AM, et al. **Biochem Soc Trans** 1980 Dec; 8(6):733–4

tRNA methylation. A rapid and simple method for determination of total radioactivity and methylated base distribution in the same sample. Nau F, et al. **Biochim Biophys Acta** 1981 Apr 27;653(2):299–302

Changes in tRNA methyltransferase activity and cellular S-adenosylmethionine content following methionine deprivation. Tisdale MJ. **Biochim Biophys Acta** 1980 Sep 19;609(2):296–305

Comparisons of liver transfer RNA methyltransferase and adenosylmethionine decarboxylase activities of male and female rats. Wainfan E, et al. **Cancer Res** 1980 Mar; 40(3):620–4

The nucleus as the site of tRNA methylation. Colonna A, et al. **J Cell Physiol** 1980 Apr;103(1):29–33

Purification and properties of several transfer RNA methyltransferases from S. typhimurium. Cimino F, et al. **Mol Cell Biochem** 1981 Apr 27;36(2):95–104

RNA TUMOR VIRUSES see **RETROVIRIDAE**

RNA, VIRAL

Sensitive and rapid analysis of T1–ribonuclease–resistant oligonucleotides in two–dimensional fingerprinting gels of poliovirus type I genomic RNA. Stewart ML, et al. **Anal Biochem** 1981 Mar 1;111(2):203–11

Secondary structures of influenza and Sendai Virus RNAs. Khristova ML, et al. **Arch Virol** 1980;66(3):241–53

The RNA of the human syncytium–forming (foamy) virus. Loh PC, et al. **Arch Virol** 1981;68(1):53–8

Denaturation and renaturation of Penicillium chrysogenum mycophage double–stranded ribonucleic acid in tetraalkylammonium salt solutions. Wetmur JG, et al. **Biochemistry** 1981 May 26;20(11):2999–3002

Phosphorescence and optical detection of magnetic resonance of cowpea chlorotic mottle virus. Krüse J, et al. **Biochim Biophys Acta** 1981 Mar 27;668(1):35–45

Near identity of 3– RNA secondary structure in bromoviruses and cucumber mosaic virus. Ahlquist P, et al. **Cell** 1981 Jan;23(1):183–9

Electron–paramagnetic–resonance spectroscopy of spin–labelled cowpea–chlorotic–mottle virus. Krüse J, et al. **Eur J Biochem** 1981 Jan;113(3):575–9

Addressed fragmentation of RNA molecules: determination of a specific cleavage site on MS2 bacteriophage RNA. Metelev VG, et al. **FEBS Lett** 1980 Oct 20;120(1):17–20

The forms of tRNATrp found in avian sarcoma virus and uninfected chicken cells have structural identity but functional distinctions. Cordell B, et al. **J Biol Chem** 1980 Oct 10;255(19):9358–68

A study of the level of nucleotide sequence conservation between the RNAs of two types serotypes of foot–and–mouth disease virus. Harris TJ, et al. **J Gen Virol** 1980 Oct;50(2):403–18

Structure and metabolism of adenovirus RNAs containing sequences from the fiber gene. Carlson DP, et al. **J Mol Biol** 1980 Aug 15;141(3):249–65

Binding of wheat germ ribosomes to bisulfite–modified reovirus messenger RNA: evidence for a scanning mechanism. Kozak M. **J Mol Biol** 1980 Dec 15; 144(3):291–304

Arrangement of messenger RNAs and protein coding sequences in the major late transcription unit of adenovirus 2. Miller JS, et al. **J Mol Biol** 1980 Oct 5;142(4):455–88

On the rigidity of RNA in tomato bushy stunt virus. Munowitz MG, et al. **J Mol Biol** 1980 Aug 15; 141(3):327–33

Structure of viral DNA and RNA in mammalian cells infected with avian sarcoma virus. Quintrell N, et al. **J Mol Biol** 1980 Nov 15;143(4):363–93

Structure analysis of three T7 late mRNA ribosome binding sites. Rosa MD. **J Mol Biol** 1981 Mar 25;147(1):55–71

Construction and characterization of a plasmid containing a nearly full–size DNA copy of satellite tobacco necrosis virus RNA. van Emmelo J, et al. **J Mol Biol** 1980 Nov 5;143(3):259–71

MS2 RNA has a potential to form an unusually large number of stable hairpins. Nussinov R, et al. **J Theor Biol** 1980 Aug 7;85(3):481–6

Terminally redundant sequences in cellular intracisternal A–particle genes. Cole MD, et al. **J Virol** 1981 May; 38(2):680–7

Intervening sequence between the leader region and the nucleopcapsid gene of vesicular stomatitis virus RNA. Keene JD, et al. **J Virol** 1980 Feb;33(2):789–94

Stable hairpin structure within the 5'–terminal 85 nucleotides of poliovirus RNA. Larsen GR, et al. **J Virol** 1981 Jan; 37(1):328–35

Virus–associated RNAs of naturally occurring strains and variants of group C adenoviruses. Mathews MB, et al. **J Virol** 1981 Jun;38(3):849–62

Secondary structural features in the 70S RNAs of Moloney murine leukemia and Rous sarcoma viruses as observed by electron microscopy. Murti KG, et al. **J Virol** 1981 Jan; 37(1):411–19

Structure and origin of a snapback defective interfering particle RNA of vesicular stomatitis virus. Schubert M, et al. **J Virol** 1981 Feb;37(2):661–72

Fine structure mapping of an avian tumor virus RNA by immunoelectron microscopy. Castleman H, et al. **Nucleic Acids Res** 1980 Oct 10;8(19):4485–99

Structure of the host–derived sequences present at the 5' ends of influenza virus mRNA. Caton AJ, et al. **Nucleic Acids Res** 1980 Jun 25;8(12):2591–603

Analysis of the secondary and tertiary structures of Rous sarcoma virus RNA. Darlix JL, et al. **Nucleic Acids Res** 1980 Aug 11;8(15):3335–54

Cleavage of DNA.RNA hybrids by type II restriction enzymes. Molloy PL, et al. **Nucleic Acids Res** 1980 Jul 11;8(13):2939–46

Sequence of DNA complementary to a small RNA segment of influenza virus A/NT/60/68. Moss BA, et al. **Nucleic Acids Res** 1981 Apr 24;9(8):1941–7

Nucleotide sequences at the terminal of La Crosse virus RNAs. Obijeski JF, et al. **Nucleic Acids Res** 1980 Jun 11; 8(11):2431–8

Secondary structures for splice junctions in eukaryotic and viral messenger RNA precursors. Trapnell BC, et al. **Nucleic Acids Res** 1980 Aug 25;8(16):3659–72

Biophysical studies of reovirus type 3. IV. Low–angle x–ray diffraction studies. Harvey JD, et al. **Virology** 1981 Jul 15; 112(1):240–9

Nature of the 3'–terminal sequences of the plus and minus strands of the S1 gene of reovirus serotypes 1, 2 and 3. Li JK, et al. **Virology** 1980 Aug;105(1):41–51

Comparative studies of the 3'–terminal sequences of several alpha virus RNAs. Ou JH, et al. **Virology** 1981 Mar; 109(2):281–9

[Addressed enzymatic fragmentation of RNA molecules] Meteleb VG, et al. **Mol Biol (Mosk)** 1980;14(1):200–11 (Eng. Abstr.) **(Rus)**

[Problem of specific initiation during replication and transcription of the genomes of RNA–containing viruses] Kunin EV, et al. **Usp Sovrem Biol** 1980 May–Jun; 89(3):341–59 (153 ref.) **(Rus)**

[Properties of the RNA of the new Okhotsk orbivirus] Sarkisian BG, et al. **Vopr Virusol** 1980 Sep–Oct;(5):566–70 (Eng. Abstr.) **(Rus)**

ANALYSIS

Characterization of the viral ribonucleic acids and structural polypeptides of Anopheles A, Bunyamwera, Group C, California, Capim, Guama, Patois, and Simbu bunyaviruses. Ushijima H, et al. **Am J Trop Med Hyg** 1980 Nov; 29(6):1441–52

No measles virus genetic information detected in multiple sclerosis--derived brains. Stevens JG, et al. **Ann Neurol** 1980 Dec;8(6):625–7

RSV–transformed mammalian cells: an analysis of RNAs specific for exogenous and endogenous viruses. Tatosyan AG, et al. **Arch Geschwulstforsch** 1980;50(5):423–8

Rotavirus. II. Viruses associated with acute gastroenteritis in children. Ruiz–Gómez J, et al. **Arch Invest Med (Mex)** 1981;12(1):133–40 **(Eng, Spa)**

Base composition of rubella virus RNA. Brief report. Katow S, et al. **Arch Virol** 1980;65(1):67–70

Oligonucleotide fingerprint analyses of influenza C virion RNA recovered from five different isolates. Meier–Ewert H, et al. **Arch Virol** 1981;67(2):141–7

Infectious bursal disease virus: further characterization with evidence for a single–stranded RNA virus. Cho BR, et al. **Avian Dis** 1980 Apr–Jun;24(2):423–34

Immunofluorescent detection of double–stranded RNA in cells infected with reovirus, infectious pancreatic necrosis virus, and infectious bursal disease virus. Macdonald RD. **Can J Microbiol** 1980 Feb;26(2):256–61

Nonviral oligonucleotides at the 5' terminus of cytoplasmic influenza viral mRNA deduced from cloned complete genomic sequences. Dhar R, et al. **Cell** 1980 Sep; 21(2):495–500

Analysis of avian leukosis virus DNA and RNA in bursal tumours: viral gene expression is not required for maintenance of the tumor state. Payne GS, et al. **Cell** 1981 Feb;23(2):311–22

Analysis of RNA specific for the transforming agent of R–strain avian erythroblastosis virus. Toyoshima K, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):837–41

Comparison of the nuclear ribonucleoproteins containing the transcripts of adenovirus–2 and HeLa cell dna. Gattoni R, et al. **Eur J Biochem** 1980;108(1):203–11

Characterization of T4 double–stranded RNA by equilibrium centrifugation in Cs2SO4– and alkaline iodide gradients. Helland DE. **FEBS Lett** 1980 Aug 11;117(1):79–83

Detection of viral markers and incomplete viral genome rescue from ASV transformed rodent cells. Popvić M, et al. **Folia Biol (Praha)** 1980;26(4):244–60

Characterization of proteins & nucleic acids after colitis phage infection. Ramakrishna N, et al. **Indian J Biochem Biophys** 1980 Oct;17(5):347–56

Comparison of human rotaviruses isolated in Mexico City and in Santiago, Chile, by electrophoretic migration of their double–stranded ribonucleic acid genome segments. Espejo RT, et al. **Infect Immun** 1980 Nov;30(2):342–8

Electrophoretic fractionation of the double–stranded RNA genome of rice ragged stunt virus. Boccardo G, et al. **Intervirology** 1980;14(1):57–60

Size estimation of Fichinde virus RNA by gel electrophoresis under denaturing conditions. Ramsingh AI, et al. **Intervirology** 1980;14(1):31–6

Virus RNA species in kirsten murine sarcoma virus–transformed mink cells. Chien Y, et al. **J Gen Virol** 1980 Nov;51(Pt 1):195–9

Biochemical characterization of a Yucaipa–like virus. Fleury HJ, et al. **J Gen Virol** 1980 Sep;50(1):149–54

Comparative oligonucleotide analysis of exogenous and endogenous primate type C viruses. Hefti E, et al. **J Gen Virol** 1981 Apr;53(Pt 2):283–92

Three sizes of subunits in RNAs from feline sarcoma–leukaemia virus mixtures. Kimball PC, et al. **J Gen Virol** 1980 Dec;51(Pt 2):295–305

Regeneration of DI particles of virulent and attenuated rabies virus: genome characterization and lack of correlation with virulence phenotype. Wunner WH, et al. **J Gen Virol** 1980 Nov;51(Pt 1):69–81

Recombinants of influenza virus type B as potential live vaccine candidates: RNA characterization and evaluation in man. Lobmann M, et al. **J Hyg (Lond)** 1981 Aug; 87(1):43–52

Partial expression of endogenous mouse mammary tumor virus in mammary tumors induced in BALB/c mice by chemical, hormonal, and physical agents. Butel JS, et al. **J Virol** 1981 May;38(2):571–80

Defective interfering particle generated by internal deletion of the vesicular stomatitis virus genome. Epstein DA, et al. **J Virol** 1980 Feb;33(2):818–29

Localization of three major cappe 5' ends of polyoma virus late mRNA's within a single tetranucleotide sequence in the viral genome. Flavell AJ, et al. **J Virol** 1980 Feb; 33(2):902–8

Transcripts of the adenovirus–associated virus genome: multiple polyadenylated RNAs including a potential primary transcript. Green MR, et al. **J Virol** 1980 Aug; 35(2):560–5

Characterization of the 5'–terminal cap structures of early simian virus 40 mRNA. Haegeman G, et al. **J Virol** 1980 Sep;35(3):955–61

Comparison of the nucleotide sequence at the 5' end of RNAs from nine aphthoviruses, including representatives of the Seven serotypes. Harris TJ. **J Virol** 1980 Dec;36(3):659–64

Nucleic acids of respiratory syncytial virus. Lambert DM, et al. **J Virol** 1980 Dec;36(3):837–46

Low–molecular–weight RNAs and initiation of RNA–directed DNA synthesis in avian reticuloendotheliosis virus. Peters GG, et al. **J Virol** 1980 Feb;33(2):708–16

Virion nucleic acid of Ebola virus. Regnery RL, et al. **J Virol** 1980 Nov;36(2):465–9

Heterogeneity of the 3' end of minus–strand RNA in the poliovirus replicative form. Richards OC, et al. **J Virol** 1980 Nov;36(2):387–94

Two forms of VPg on poliovirus RNAs. Richards OC, et al. **J Virol** 1981 Jun;38(3):863–71

Nucleotide sequence at polyoma VP1 mRNA splice sites. Srivatsan ES, et al. **J Virol** 1981 Jan;37(1):244–7

Isolation and identification of lymphocytic and myelogenous leukemia–specific sequences in genomes of gibbon oncornaviruses. Sun L, et al. **J Virol** 1980 Aug;35(2):400–8

Leakage of nuclear transcripts late in simian virus 40–infected CV1 cells: quantitation of spliced and unspliced late 19S RNAs. Villarreal LP, et al. **J Virol** 1980 Nov;36(2):595–600

Analysis of spleen focus–forming virus–specific RNA sequences coding for spleen focus–forming virus–specific glycoprotein with a molecular weight of 55,000 (gp55). Yoshida M, et al. **J Virol** 1980 Feb;33(2):587–96

A rapid and sensitive method for analysing the genome profiles of field isolates of rotavirus. Clarke IN, et al. **J Virol Methods** 1981 Mar;2(4):203–9

Immunochemical detection of ds-RNA in healthy and virus-infected plants and specific detection of viral ds-RNA by hybridization to labelled complementary DNA. Gould AR, et al. **J Virol Methods** 1981 Apr; 2(5):277–86

ELISA for the detection and quantification of C-type viral glycoprotein (gp70) using antibodies that recognize the protein moieties of the glycoproteins. Schetters H, et al. **J Virol Methods** 1981 Jun;2(6):357–66

A model structure for Rous sarcoma virus genomic RNA and its implication for various functions of the viral RNA. Darlix JL, et al. **Mol Biol Rep** 1981 May 22;7(1–3):127–33

Sequence determination of the 3' end of mouse mammary tumor virus RNA. Klemenz R, et al. **Mol Biol Rep** 1981 May 22;7(1–3):123–6

Viral RNA content of bovine leukemia virus-infected cells. Marbaix G, et al. **Mol Biol Rep** 1981 May 22;7(1–3):135–8

Nucleotide sequence of the putative recognition site for coat protein in the RNAs of alfalfa mosaic virus and tobacco streak virus. Koper-Zwarthoff EC, et al. **Nucleic Acids Res** 1980 Aug 11;8(15):3307–18

Intracellular murine hepatitis virus-specific RNAs contain common sequences. Cheley S, et al. **Virology** 1981 Jul 30; 112(2):596–604

Macromolecular synthesis in cells infected by frog virus 3. XIV. Characterization of the methylated nucleotide sequences in viral messenger RNAs. Raghow R, et al. **Virology** 1980 Nov;107(1):283–94

Characterization of HEL-12 virus proteins. Reynolds JT, et al. **Virology** 1981 Aug;113(1):214–23

A paranuclear extract contains a unique set of viral transcripts late in SV40 infection. Villarreal L. **Virology** 1981 Sep; 113(2):663–71

Terminal sequences of the genome and replicative-from RNA of the flavivirus West Nile virus: absence of poly(A) and possible role in RNA replication. Wengler G, et al. **Virology** 1981 Sep;113(2):544–55

[Characterization of viral RNA in Friend tumor cells having lost their capacity to produce viral particles] Robert J, et al. **C R Acad Sci [D] (Paris)** 1980 Dec 15;291(13):1047–50 (Eng. Abstr.) **(Fre)**

[Enzymatic synthesis and properties of DNA, complementary to foot and mouth disease virus RNA] Titov IN, et al. **Biokhimiia** 1980 Nov;45(11):2059–64 (Eng. Abstr.) **(Rus)**

[Nature of a virus-specific protein detected in the composition of a ribonucleoprotein containing cellular messenger RNA during viral infection] Kalinina NO, et al. **Biol Nauki** 1980;(9):28–34 **(Rus)**

[Characteristics of defective rabies virus particles formed in chronically infected cultures] Andzhaparidze OG, et al. **Vopr Virusol** 1980 Jan-Feb;(1):24–9 (Eng. Abstr.) **(Rus)**

[Comparative study of the RNA and proteins of antigenically similar human and animal influenza A viruses] Vladimirtseva EA, et al. **Vopr Virusol** 1981 Jan-Feb; (1):28–35 (Eng. Abstr.) **(Rus)**

[First natural population of Escherichia coli bacteriophage isolated in Chile. V. Biochemical properties of the virus ZAR2 (author's transl)] García-Quintana H, et al. **Rev Med Chil** 1980 Oct;108(10):893–9 (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

Regulation of adenovirus mRNA synthesis. Sharp PA, et al. **Ann NY Acad Sci** 1980;354:1–15 (31 ref.)

Virus-specific and cell-specific RNA transcripts in influenza virus-infected cells: the rate of synthesis and the content in the nuclei. Varich NL, et al. **Arch Virol** 1981; 68(3–4):279–84

Genomic fragments of turnip yellow mosaic virus: appearance during infection. Lightfoot D, et al. **Biochem Biophys Res Commun** 1980 Oct 31;96(4):1472–9

DNA-RNA polymerase complexes associated with the membrane from bacteriophage T2- or T4-infected Escherichia coli. II. A comparison of in vitro RNA with the in vivo RNA products. Haarr L, et al. **Biochim Biophys Acta** 1980 Dec 11;610(2):261–71

Similar sets of terminal oligonucleotides from reovirus double-stranded RNA and viral messenger RNA synthesized in vitro. Hastings KE, et al. **Can J Biochem** 1981 Mar;59(3):151–7

DNA replication and the early to late transition in adenovirus infection. Thomas GP, et al. **Cell** 1980 Nov;22(2 Pt 2):523–33

Semi-conservative transcription of double-stranded RNA catalyzed by bacteriophage phi 6 RNA polymerase. Emori Y, et al. **J Biochem (Tokyo)** 1980 Dec;88(6):1569–75

Roles of the host polypeptides in Q beta RNA replication. Host factor and ribosomal protein S1 allow initiation at reduced GTP concentration. Blumenthal T, et al. **J Biol Chem** 1980 Dec 25;255(24):11713–6

Restricted initiation of protein synthesis on the potentially polycistronic Sindbis virus 42 S RNA. Bonatti S, et al. **J Biol Chem** 1980 Dec 10;255(23):11473–7

Analysis of the in vitro synthesis of 5'-gamma-32P-labeled transcripts from coliphage lambda by gel electrophoresis, RNA-DNA hybridization, and RNase T1 digestion. Calva E, et al. **J Biol Chem** 1980 Nov 25;255(22):11011–6

Characterization of RNA primer synthesis in the T4 bacteriophage in vitro DNA replication system. Liu CC, et al. **J Biol Chem** 1981 Mar 25;256(6):2821–9

Excess synthesis of viral mRNA 5-terminal oligonucleotides by reovirus transcriptase. Yamakawa M, et al. **J Biol Chem** 1981 Jun 25;256(12):6507–14

Semliki Forest virus replication complex capable of synthesizing 42S and 26S nascent RNA chains. Gomatos PJ, et al. **J Gen Virol** 1980 Jul;49(1):61–9

Characterization of the non-permissive infection of rabbit cornea cells by vesicular stomatitis virus. Hamilton DH, et al. **J Gen Virol** 1980 Aug;49(2):273–87

Rabies virus-induced RNA synthesis in BHK21 cells. Holloway BP, et al. **J Gen Virol** 1980 Jul;49(1):181–95

Metabolic requirements for the maturation of respiratory syncytial virus. Peeples M, et al. **J Gen Virol** 1980 Sep; 50(1):81–8

Process of cap formation of messenger RNA by vaccinia virus particles carrying an organized enzymes system. Urushibara T, et al. **J Gen Virol** 1981 Jan;52(Pt 1):49–59

Temperature-sensitive mutants of equine arteritis virus. van Berlo MF, et al. **J Gen Virol** 1980 Jul;49(1):97–104

Asymmetric maturation of a dimeric transfer RNA precursor. Guthrie C, et al. **J Mol Biol** 1980 May 25;139(3):349–75

Characterization of initiator RNA from replicating simian virus 40 DNA synthesized in isolated nuclei. Kaufmann G. **J Mol Biol** 1981 Mar 25;147(1):25–39

Characterization of RNA polymerase products of Nebraska calf diarrhea virus and SA11 rotavirus. Bernstein JM, et al. **J Virol** 1981 Mar;37(3):1071–4

Simian virus 40 transcriptional complexes incorporate mercurated nucleotides into RNA in vitro. Chikaraishi DM, et al. **J Virol** 1981 Jan;37(1):511–7

Oligonucleotide sequence analyses indicate that vesicular stomatitis virus large defective interfering virus particle RNA is made by internal deletion: evidence for similar transcription polyadenylation signals for the synthesis of all vesicular stomatitis virus mRNA species. Clerx-Van Haaster CM, et al. **J Virol** 1980 Feb;33(2):807–17

Replicative RNA synthesis and nucleocapsid assembly in vesicular stomatitis virus-infected permeable cells. Condra JH, et al. **J Virol** 1980 Dec;36(3):796–804

Defective interfering influenza viruses and host cells: establishment and maintenance of persistent influenza virus infection in MDBK and HeLa cells. De BK, et al. **J Virol** 1980 Dec;36(3):847–59

Transcription pattern of in vivo-labeled late simian virus 40 RNA: evidence that 16S and 19S mRNA's are derived from distinct precursor RNA populations. Ford JP, et al. **J Virol** 1980 Sep;35(3):972–8

Coordinate regulation of two cytoplasmic RNA species transcribed from early region 2 of the adenovirus 2 genome. Goldenberg CJ, et al. **J Virol** 1981 Jun;38(3):932–9

Bacteriophage phi X174-specific mRNA synthesis in cells deficient in termination factor rho activity. Hayashi MN, et al. **J Virol** 1981 Apr;38(1):198–207

Ability of nonpermissive mouse cells to express a simian virus 40 late function(s). Lange M, et al. **J Virol** 1981 Jun; 38(3):940–51

Effect of defective interfering particles on plus- and minus-strand leader RNAs in vesicular stomatitis virus-infected cells. Leppert M, et al. **J Virol** 1980 Sep;35(3):704–9

Quantitation of transcribing native simian virus 40 minichromosomes extracted from CV1 cells late in infection. Llopis R, et al. **J Virol** 1981 Apr;38(1):82–90

Noncytopathic mutants of Newcastle disease virus are defective in virus-specific RNA synthesis. Madansky CH, et al. **J Virol** 1981 Jan;37(1):317–27

Replication of double-stranded RNA of the virus-like particles in Saccharomyces cerevisiae. Newman AM, et al. **J Virol** 1981 Apr;38(1):263–71

RNA synthesis of vesicular stomatitis virus. X. Transcription and replication by defective interfering particles. Rao DD, et al. **J Virol** 1980 Dec;36(3):756–65

Semiconservative synthesis of single-stranded RNA by bacteriophage phi 6 RNA polymerase. Van Etten JL, et al. **J Virol** 1980 Feb;33(2):769–73

Influenza virus-specific RNA and protein syntheses in cells infected with temperature-sensitive mutants defective in the genome segment encoding nonstructural proteins. Wolstenholme AJ, et al. **J Virol** 1980 Jul;35(1):1–7

The relationship between the SV40 genome and viral mRNA. Weissman SM. **Mol Cell Biochem** 1981 Feb 26;35(1):29–38

Controls of RNA splicing and termination in the major late adenovirus transcription unit. Akusjärvi G, et al. **Nature** 1981 Jul 30;292(5822):420–6

Inhibition of polyoma virus-specific RNA formation by 5-bromo-2'-deoxyuridine. Tarábek J, et al. **Neoplasma** 1980;27(5):601–5

IN vitro transcription of bacteriophage T4 tRNA gene cluster from two different promoters. Goldfarb A. **Nucleic Acids Res** 1981 Feb 11;9(3):519–27

Identification of the RNA region transferred from a representative primer, beta-globin mRNA, to influenza mRNA during in vitro transcription. Robertson HD, et al. **Nucleic Acids Res** 1980 Mar 11;8(5):925–42

Synthesis in vitro of the full-length complement of defective-interfering particle RNA of vesicular stomatitis virus. Chanda PK, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):3927–31

Identification of a promoter component involved in positioning the 5' termini of simian virus 40 early mRNAs. Ghosh PK, et al. **Proc Natl Acad Sci USA** 1981 Jan; 78(1):100–4

Isolation and sequence determination of 5'-terminal oligonucleotide fragments of RNA transcripts synthesized by bacteriophage T3-induced RNA polymerase from T3 DNA. Maitra U, et al. **Proc Natl Acad Sci USA** 1980 Jul; 77(7):3908–11

Template recognition sequence for RNA primer synthesis by gene 4 protein of bacteriophage T7. Tabor S, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):205–9

A small nuclear ribonucleoprotein is required for splicing of adenoviral early RNA sequences. Yang VW, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1371–5

The nature of the RNA products synthesized in vitro with a cell-free extract from TMV-infected tobacco leaves. Rongxiang F, et al. **Sci Sin** 1980 Mar;23(3):357–70

Inhibition of protein synthesis by vaccinia virus. III. The effect of ultraviolet-irradiated virus on the inhibition of protein synthesis. Bablanian R, et al. **Virology** 1981 Jul 15; 112(1):1–12

Identification and characterization of type 2 dengue virus replicative intermediate and replicative form RNAs. Cleaves GR, et al. **Virology** 1981 May;111(1):73–83

Comparison of replication complexes synthesizing poliovirus RNA. Etchison D, et al. **Virology** 1981 May;111(1):33–46

Biochemical characterization of vesicular stomatitis virus-infected Aedes albopictus cells deprived of methionine. Gillies S, et al. **Virology** 1981 Jul 15; 112(1):318–27

The genesis of Rous sarcoma virus messenger RNAs. Hackett PB, et al. **Virology** 1981 Jul 30;112(2):714–28

Somatic cell hybrids between human lymphoma and human myeloid leukemia cells. I. Induction of resident viral genome transcription and viral antigen formation by IUDR and TPA. Lau RY, et al. **Virology** 1981 Apr 30; 110(2):259–69

Cross-linking of viral RNA by 4'-aminomethyl-4,5',8-trimethylpsoralen in HeLa cells infected with encephalomyocarditis virus and the tsG114 mutant of vesicular stomatitis virus. Nilsen TW, et al. **Virology** 1981 Feb;109(1):82–93

Establishment of Sendai virus persistent infection: biochemical analysis of the early phase of a standard plus defective interfering virus infection of BHK cells. Roux L, et al. **Virology** 1981 Jul 30;112(2):400–10

Polyadenylation, methylation, and capping of the RNA synthesized in vitro by African swine fever virus. Salas ML, et al. **Virology** 1981 Sep;113(2):484–91

[Virus-specific double-stranded RNA in the composition of the microsomal RNA of Rous sarcoma cells] Perevozchikov AP, et al. **Dokl Akad Nauk SSSR** 1981; 256(4):987–9 **(Rus)**

[Mechanism of the abortive reproduction of influenza A virus in human embryo amniotic cells: the synthesis of virus-specific RNA and proteins] Guskin IaR. **Mikrobiol Zh** 1980 Sep-Oct;42(5):653–5 (Eng. Abstr.) **(Rus)**

[Problem of specific initiation during replication and transcription of the genomes of RNA-containing viruses] Kunin EV, et al. **Usp Sovrem Biol** 1980 May-Jun; 89(3):341–59 (153 ref.) **(Rus)**

[Synthesis of RNA-containing virus-specific components in L cells persistently infected with SV5 virus] Azadova NB, et al. **Vopr Virusol** 1980 Sep-Oct;(5):558–63 (Eng. Abstr.) **(Rus)**

[RNA synthesis in cells chronically infected with rabies virus] Boriskin IuS, et al. **Vopr Virusol** 1981 Jan-Feb;(i):55–9 (Eng. Abstr.) **(Rus)**

CHEMICAL SYNTHESIS

Synthesis of the 3'- and 5'-reiterated terminal sequences of Rous sarcoma virus 35S RNA. Takaku H, et al. **Nucleic Acids Symp Ser** 1980;(8):s91–3

CLASSIFICATION

Oligonucleotide fingerprinting of ribonucleic acids of infectious bronchitis virus strains. Clewley JP, et al. **Infect Immun** 1981 Jun;32(3):1227–33

GENETICS

RNA sequences of opposite polarities transcribed from a large part of vaccinia virus genome are accumulated in the cytoplasm. Chernos VI, et al. **Acta Virol (Praha)** 1980 Dec;24(6):451–4

Evolution of RNA viruses. Baltimore D. **Ann NY Acad Sci** 1980;354:492–7

Defective interfering particles of vesicular stomatitis virus: structure-function relationships. Huang AS, et al. **Ann NY Acad Sci** 1980;354:238–50

The structure and function of the reovirus genome. Joklik WK. **Ann NY Acad Sci** 1980;354:107–24 (73 ref.)

Structure and expression of the picornavirus genome. Kitamura N, et al. **Ann NY Acad Sci** 1980;354:183–201 (82 ref.)

In vitro translation of cricket paralysis virus RNA. Reavy B, et al. **Arch Virol** 1981;67(2):175–80

Messenger ribonucleic acid specificity in the inhibition of eukaryotic translation by double-stranded ribonucleic acid. Rosen H, et al. **Biochemistry** 1981 May 26;20(11):3011–20

The production of viral RNA inactivator(s) from the interaction of dihydric and trihydric phenols with cupric ion. Dubes GR, et al. **Biochim Biophys Acta** 1981 Apr 27; 653(2):219–25

Interaction of VSV leader RNA and nucleocapsid protein may control VSV genome replication. Blumberg BM, et al. **Cell** 1981 Mar;23(3):837–45

Transcriptional control regions of the adenovirus VAI RNA gene. Fowlkes DM, et al. **Cell** 1980 Nov;22(2 Pt 2):405–13

The genome and the intracellular RNAs of avian myeloblastosis virus. Gonda TJ, et al. **Cell** 1981 Jan; 23(1):279–90

Definition of a novel promoter for the major adenovirus-associated virus mRNA. Green MR, et al. **Cell** 1980 Nov;22(1 Pt 1):231–42

Localized attenuation and discontinuous synthesis during vesicular stomatitis virus transcription. Iverson LE, et al. **Cell** 1981 Feb;23(2):477–84

The genome-linked protein of picornaviruses. VII. Genetic mapping of poliovirus VPg by protein and RNA sequence studies. Kitamura N, et al. **Cell** 1980 Aug;21(1):295–302

Sequence of interrupted and uninterrupted mRNAs and cloned DNA coding for the two overlapping nonstructural proteins of influenza virus. Lamb RA, et al. **Cell** 1980 Sep; 21(2):475–85

Control of adenovirus early gene expression: a class of immediate early products. Lewis JB, et al. **Cell** 1980 Aug; 21(1):303–13

Sequence organization of cloned intracisternal A particle genes. Ono M, et al. **Cell** 1980 Sep;21(2):465–73

A unique cap(m7GpppXm)-dependent influenza virion endonuclease cleaves capped RNAs to generate the primers that initiate viral RNA transcription. Plotch SJ, et al. **Cell** 1981 Mar;23(3):847–58

A new type of virus from cultured Drosophila cells: characterization and use in studies of the heat-shock response. Scott MP, et al. **Cell** 1980 Dec;22(3):929–41

Virus-specific RNAs in cells infected by avian myelocytomatosis virus and avian erythroblastosis virus: modes of oncogene expression. Sheiness D, et al. **Cell** 1981 Jan;23(1):291–300

Identification of the gene and mRNA for the adenovirus terminal protein precursor. Stillman BW, et al. **Cell** 1981 Feb;23(2):497–508

Unique mode of transcription in vitro by Vesicular stomatitis virus. Testa D, et al. **Cell** 1980 Aug;21(1):267–75

Expression of the vaccinia virus genome: analysis and mapping of mRNAs encoded within the inverted terminal repetition. Wittek R, et al. **Cell** 1980 Sep;21(2):487–93

Biogenesis, structures, and sites of encoding of the 5' termini of adenovirus-2 mRNAs. Baker CC, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):415–28

Phenotypes of adenovirus-5 host-range mutants for early-mRNA synthesis. Berk AJ, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):429–36

RNA transcription and splicing at early and intermediate times after adenovirus-2 infection. Chow LT, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):401–14

Moloney murine sarcoma virions contain subgenome-length mRNA-like molecules that direct the synthesis of sarcoma-specific polypeptides in vitro. Dina D, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):901–5

Organization of murine sarcoma virus genomes. Donoghue DJ, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):721–6

RNAs of defective and nondefective components of Friend anemia and polycythemia virus strains identified and compared. Evans L, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):823–35

Transcription of SV40 DNA in transformed rat cells. Grigoryan M, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):77–88

RNA sequences and proteins specific to Friend strain of spleen focus-forming virus. Ikawa Y, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):875–85

A third splice site in SV40 early mRNA. Mark DF, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):55–62

New genetic information expressed in SV40-transformed cells: characterization of the 55K proteins and evidence for unusual SV40 mRNAs. May P, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):189–200

Analysis of cloned mRNA sequences from the transforming region of adenovirus 2. Perricaudet M, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):471–6

Stability of non-polyadenylated viral mRNAs injected into frog oocytes. McCrae MA, et al. **Eur J Biochem** 1981 Jun 1;116(3):467–70

Localization of the 3'-terminal end of the EcoRI B fragment-specific early mRNA of adenovirus type 2. Büttner W, et al. **FEBS Lett** 1980 Dec 29;122(2):317–21

Fidelity of protein synthesis affects the readthrough translation of tobacco mosaic virus RNA. Kurkinen M. **FEBS Lett** 1981 Feb 9;124(1):79–83

Gene organization of the transforming region of weakly oncogenic adenovirus type 7: the E1a region. Dijkema R, et al. **Gene** 1980 Dec;12(3–4):287–99

Sequences of human adenovirus Ad3 and Ad7 DNAs encoding the promoter and first leader segment of late RNAs. Engler JA, et al. **Gene** 1981 Mar;13(2):133–43

In vivo and in vitro translation of the RNAs of four tobamoviruses. Beier H, et al. **Intervirology** 1980; 14(5–6):292–9

Stability of poliovirus RNA in cell-free translation systems utilizing two initiation sites. Ehrenfeld E, et al. **J Biol Chem** 1981 Mar 25;256(6):2656–61

Molecular basis of reovirus virulence. Role of the M2 gene. Rubin DH, et al. **J Exp Med** 1980 Oct 1;152(4):853–68

The structural proteins of rabies virus and evidence for their synthesis from separate monocistronic RNA species. Coslett GD, et al. **J Gen Virol** 1980 Jul;49(1):161–80

Formation and characterization of an intertypic lymphocytic choriomeningitis recombinant virus. Kirk WE, et al. **J Gen Virol** 1980 Nov;51(Pt 1):213–8

Restriction of the rat-specific RNS sequences of Ki-MSV to the nucleus of dibutyryl cyclic AMP-treated K-A31 cells. Ridgway AA, et al. **J Gen Virol** 1980 Oct; 50(2):391–401

Gene and mRNA for precursor polypeptide VI from adenovirus type 2. Akusjärvi G, et al. **J Virol** 1981 May; 38(2):469–82

Simian virus 40-associated small RNA: mapping on the simian virus 40 genome and characterization of its synthesis. Alwine JC, et al. **J Virol** 1980 Dec;36(3):701–8

Detailed characterization of the mRNA mapping in the HindIII fragment K region of the herpes simplex virus type 1 genome. Anderson KP, et al. **J Virol** 1981 Mar; 37(3):1011–27

Avian erythroblastosis virus produces two mRNA's. Anderson SM, et al. **J Virol** 1980 Dec;36(3):676–83

Physical map of infectious baboon type C viral DNA and sites of integration in infected cells. Battula N, et al. **J Virol** 1980 Dec;36(3):709–18

Hybridization selection and cell-free translation of mRNA's encoded within the inverted terminal repetition of the vaccinia virus genome. Cooper JA, et al. **J Virol** 1981 Jan; 37(1):284–94

Characterization of a major late herpes simplex virus type 1 mRNA. Costa RH, et al. **J Virol** 1981 May;38(2):483–96

Evidence that the genome of hepatitis A virus consists of single-stranded RNA. Coulepis AG, et al. **J Virol** 1981 Jan;37(1):473–7

Encephalomyocarditis viral RNA can be translated under conditions of poliovirus-induced translation shutoff in vivo. Detjen BM, et al. **J Virol** 1981 May;38(2):777–81

Protein-coding potential of mouse mammary tumor virus genome RNA as examined by in vitro translation. Dickson C, et al. **J Virol** 1981 Jan;37(1):36–47

Regulatory and coding potential of the mouse mammary tumor virus long terminal redundancy. Donehower LA, et al. **J Virol** 1981 Jan;37(1):226–38

Fv-1 host restriction of Friend leukemia virus: oligonucleotide analysis of host range variants. Duttagupta S, et al. **J Virol** 1981 Apr;38(1):376–9

Gene-coding assignments of rotavirus double-stranded RNA segments 10 and 11. Dyall-Smith ML, et al. **J Virol** 1981 Jun;38(3):1099–103

Generation of novel, biologically active Harvey sarcoma viruses via apparent illegitimate recombination. Goldfarb MP, et al. **J Virol** 1981 Apr;38(1):136–50

Transcripts of the adeno-associated virus genome: mapping of the major RNAs. Green MR, et al. **J Virol** 1980 Oct; 36(1):79–92

Comparison of ribonucleotide sequences from the genome of vesicular stomatitis virus and two of its defective interfering particles. Hagen FS, et al. **J Virol** 1981 Jan; 37(1):363–71

Variation in nucleotide sequences coding for the N-terminal regions of the matrix and nonstructural proteins of influenza A viruses. Hall RM, et al. **J Virol** 1981 Apr;38(1):1–7

Vesicular stomatitis virus RNA polymerase can read through the boundary between the leader and N genes in vitro. Herman RC, et al. **J Virol** 1981 May;38(2):792–6

Epstein-Barr virus RNA. V. Viral RNA in a restringently infected, growth-transformed cell line. King W, et al. **J Virol** 1980 Nov;36(2):506–18

Epstein-Barr virus RNA. VI. Viral RNA in restringently and abortively infected Raji cells. King W, et al. **J Virol** 1981 May;38(2):649–60

Comparative analysis of RNA genomes of mouse hepatitis viruses. Lai MM, et al. **J Virol** 1981 May;38(2):661–70

Pichinde virus L and S RNAs contain unique sequences. Leung WC, et al. **J Virol** 1981 Jan;37(1):48–54

Effect of polymerase mutations on packaging of primer tRNAPro during murine leukemia virus assembly. Levin JG, et al. **J Virol** 1981 Apr;38(1):403–8

Translational control of protein synthesis after infection by vesicular stomatitis virus. Lodish HF, et al. **J Virol** 1980 Dec;36(3):719–33

Mapping of the viral mRNA encoding a super-T antigen of 115,000 daltons expressed in simian virus 40-transformed rat cell lines. May E, et al. **J Virol** 1981 Jan;37(1):24–35

Analysis of bacteriophage SP82 major 'early' in vitro transcripts. Panganiban AT, et al. **J Virol** 1981 Jan; 37(1):372–82

Analysis of the myeloproliferative sarcoma virus genome: limited changes in the prototype lead to altered target cell specificity. Pragnell IB, et al. **J Virol** 1981 Jun;38(3):952–7

Polyadenylation sites for influenza virus mRNA. Robertson JS, et al. **J Virol** 1981 Apr;38(1):157–63

Translation of three mouse hepatitis virus strain A59 subgenomic RNAs in Xenopus laevis oocytes. Rottier PJ, et al. **J Virol** 1981 Apr;38(1):20–6

Mapping of adenovirus 12 mRNA's transcribed from the transforming region. Sawada Y, et al. **J Virol** 1980 Dec; 36(3):639–51

In vivo transcription of the 5'-terminal extracistronic region of vesicular stomatitis virus RNA. Schubert M, et al. **J Virol** 1981 Apr;38(1):256–62

Synthesis of murine mammary tumor viral proteins in vitro. Sen GC, et al. **J Virol** 1981 Mar;37(3):963–75

Avian oncovirus mutant (SE21Q1b) deficient in genomic RNA: characterization of a deletion in the provirus. Shank PR, et al. **J Virol** 1980 Nov;36(2):450–6

Coronavirus multiplication strategy. II. Mapping the avian infectious bronchitis virus intracellular RNA species to the genome. Stern DF, et al. **J Virol** 1980 Nov;36(2):440–9

Isolation and identification of lymphocytic and myelogenous leukemia-specific sequences in genomes of gibbon oncornaviruses. Sun L, et al. **J Virol** 1980 Aug;35(2):400–8

Structures of two spliced herpes simplex virus type 1 immediate-early mRNA's which map at the junctions of the unique and reiterated regions of the virus DNA S component. Watson RJ, et al. **J Virol** 1981 Jan;37(1):431–44

Unique species of mRNA from adenovirus type 7 early region 1 in cells transformed by adenovirus type 7 DNA fragment. Yoshida K, et al. **J Virol** 1980 Nov;36(2):337–52

Genomic integration of bovine leukemia provirus and lack of viral RNA expression in the target cells of cattle with different responses to BLV infection. Kettmann R, et al. **Leuk Res** 1980;4(6):509–19

In vivo transcription of Bacillus subtilis bacteriophage SPP1. Montenegro MA, et al. **MGG** 1981;181(4):512–7

Transcription of bacteriophage Mu. I. Hybridization analysis of RNA made in vitro. van Meeteren R, et al. **MGG** 1980; 179(1):177–83

Transcription of bacteriophage Mu. II. Transcription of the repressor gene. van Meeteren R, et al. **MGG** 1980; 179(1):185–9

Early capping of transcripts from the adenovirus major late transcription unit. Babich A, et al. **Nature** 1980 Sep 18; 287(5779):246–8

A small RNA complementary to an intervening sequence is produced late in SV40 infection. Campos R, et al. **Nature** 1981 May 28;291(5813):344–6

Protein-linked RNA of poliovirus is competent to form an initiation complex of translation in vitro. Golini F, et al. **Nature** 1980 Oct 16;287(5783):600–3

Primary structure, gene organization and polypeptide expression of poliovirus RNA. Kitamura N, et al. **Nature** 1981 Jun 18;291(5816):547–53

Structure of two spliced mRNAs from the transforming region of human subgroup C adenoviruses. Perricaudet M, et al. **Nature** 1979 Oct 25;281(5733):694–6

DNA-dependent RNA polymerase II of plant origin transcribes viroid RNA into full-length copies. Rackwitz HR, et al. **Nature** 1981 May 28;291(5813):297–301

Transcription and RNA processing by the DNA tumour viruses. Ziff EB. **Nature** 1980 Oct 9;287(5782):491–9 (212 ref.)

Complete nucleotide sequence of the influenza A/PR/8/34 virus NS gene and comparison with the NS genes of the A/Udorn/72 and A/FPV/Rostock/34 strains. Baez M, et al. **Nucleic Acids Res** 1980 Dec 11;8(23):5845–58

Complete nucleotide sequence of alfalfa mosaic virus RNA 4. Brederode FT, et al. **Nucleic Acids Res** 1980 May 24; 8(10):2213–23

Identification and partial characterization of an endogenous form of mouse mammary tumor virus that is transcribed into the virion-associated RNA genome. Fanning TG, et al. **Nucleic Acids Res** 1980 Dec 11;8(23):5715–23

Nucleotide sequences at the 5'-termini of the alfalfa mosaic virus RNAs and the intercistronic junction in RNA 3. Koper-Zwarthoff EC, et al. **Nucleic Acids Res** 1980 Dec 11;8(23):5635–47

The structure of poliovirus replicative form. Larsen GR, et al. **Nucleic Acids Res** 1980 Mar 25;8(6):1217–29

Characterisation of polyoma late mRNA leader sequences by molecular cloning and DNA sequence analysis. Treisman R. **Nucleic Acids Res** 1980 Nov 11;8(21):4867–88

Cloning of influenza cDNA ino M13: the sequence of the RNA segment encoding the A/PR/8/34 matrix protein. Winter G, et al. **Nucleic Acids Res** 1980 May 10; 8(9):1965–74

OK10, an avian acute leukemia virus of the MC 29 subgroup with a unique genetic structure. Bister K, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7142–6

Both the 7-methyl and the 2'-O-methyl groups in the cap of mRNA strongly influence its ability to act as primer for influenza virus RNA transcription. Bouloy M, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):3952–6

Most sequence differences between the genomes of the Akv virus and a leukemogenic Gross A virus passaged in vitro are located near the 3' terminus. Buchhagen DL, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4359–63

Genomic changes associated with antigenic variation of visna virus durig persistent infection. Clements JE, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4454–8

Control region for adenovirus VA RNA transcription. Guilfoyle R, et al. **Proc Natl Acad Sci USA** 1981 Jun; 78(6):3378–82

Polycistronic vesicular stomatitis virus RNA transcripts. Herman RC, et al. **Proc Natl Acad Sci USA** 1980 Aug; 77(8):4662–5

Method for introducing site-specific mutations into adenovirus 2 genome: construction of a small deletion mutant in VA-RNAI gene. Kapoor QS, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2184–8

Vesicular stomatitis virus defective interfering particle containing a muted internal leader RNA gene. Keene JD, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2090–4

Sequence of 1060 3'-terminal nucleotides of poliovirus RNA as determined by a modification of the dideoxynucleotide method. Kitamura N, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3196–200

Priming and inhibitory activities of RNAs for the influenza viral transcriptase do not require base pairing with the virion template RNA. Krug RM, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):5874–8

Two small RNAs encoded by Epstein–Barr virus and complexed with protein are precipitated by antibodies from patients with systemic lupus erythematosus. Lerner MR, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):805–9

5'-Terminal nucleotide sequence of Semliki forest virus 18S defective interfering RNA is heterogeneous and different from the genomic 42S RNA. Pettersson RF. **Proc Natl Acad Sci USA** 1981 Jan;78(1):115–9

Analysis of avian myeloblastosis viral RNA and in vitro synthesis of proviral DNA. Schulz RA, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2057–61

Poliovirus replication proteins: RNA sequence encoding P3-1b and the sites of proteolytic processing. Semler BL, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3464–8

Homology exists among the transforming sequences of avian and feline sarcoma viruses. Shibuya M, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6536–40

Epstein–Barr virus RNA VII: size and direction of transcription of virus–specified cytoplasmic RNAs in a transformed cell line. van Santen V, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1930–4

Interaction of host–coded and virus–coded polypeptides in RNA phage replication. Blumenthal T. **Proc R Soc Lond [Biol]** 1980 Nov 19;210(1180):321–35

Structure, translation, and replication of picornaviral genomes. Agol VI. **Prog Med Virol** 1980;26:119–57 (215 ref.)

RNA viruses, cancer and development. Temin HM. **Results Probl Cell Differ** 1980;11:196–201

Reassortment of genome segments between reovirus defective interfering particles and infectious virus: construction of temperature–sensitive and attenuated viruses by rescue of mutations from DI particles. Ahmed R, et al. **Virology** 1981 Jun;111(2):351–63

Multiple pathways of RNA processing and decay for the major leftward N– independent RNA transcript of coliphage lambda. Anevski PJ, et al. **Virology** 1981 Aug; 113(1):39–53

Nucleotide sequence of the influenza A/duck/Alberta/60/76 virus NS RNA: conservation of the NS1/NS2 overlapping gene structure in a divergent influenza virus RNA segment. Baez M, et al. **Virology** 1981 Aug;113(1):397–402

Formation of reassortant bunyaviruses in dually infected mosquitoes. Beaty BJ, et al. **Virology** 1981 Jun;111(2):662–5

Comparative nucleotide sequences at the 3' end of the neuraminidase gene from eleven influenza type A viruses. Blok J, et al. **Virology** 1980 Nov;107(1):50–60

The generation of defective interfering Rubella virus particles. Bohn EM, et al. **Virology** 1981 Jun;111(2):549–54

Influenza B virus RNA segment 8 codes for two nonstructural proteins. Briedis DJ, et al. **Virology** 1981 Jul 30;112(2):417–25

Size and genetic content of virus–specific RNA in myeloblasts transformed by avian myeloblastosis virus (AMV). Chen JH, et al. **Virology** 1981 Apr 15; 110(1):128–36

Characterization of transformation– and replication–specific sequences of reticuloendotheliosis virus. Cohen RS, et al. **Virology** 1981 Sep;113(2):672–85

The 28 S genomic RNA of avian sarcoma virus PRCII codes for the transformation–specific polyprotein P105. DeLamarter JF, et al. **Virology** 1981 Jul 30;112(2):757–61

Analyses of the 3'-terminal sequences of snowshoe hare and La Crosse Bunyaviruses. Haaster CC, et al. **Virology** 1980 Sep;105(2):564–74

Comparison of the activities of HSV–1 and cellular mRNAs as templates for in vitro translation. Inglis MM, et al. **Virology** 1981 Apr 15;110(1):1–15

Cell–free translation of early and late mRNAs selected by hybridization to cloned DNA fragments derived from the left 14 million to 72 million daltons of the vaccinia virus genome. Isle HB, et al. **Virology** 1981 Jul 15;112(1):306–17

Genes of human (strain Wa) and bovine (strain UK) rotaviruses that code for neutralization and subgroup antigens. Kalica AR, et al. **Virology** 1981 Jul 30; 112(2):385–90

Genome of Colorado tick fever virus. Knudson DL. **Virology** 1981 Jul 15;112(1):361–4

Conservation of the influenza virus membrane protein (M1) amino acid sequence and an open reading frame of RNA segment 7 encoding a second protein (M2) in H1N1 and H3N2 strains. Lamb RA, et al. **Virology** 1981 Jul 30; 112(2):746–51

Identification of a second protein (M2) encoded by RNA segment 7 of influenza virus. Lamb RA, et al. **Virology** 1981 Jul 30;112(2):729–37

The plus strand of reovirus gene S2 is identical with its in vitro transcript. Li JK, et al. **Virology** 1980 Aug; 105(1):282–6

Ribosomal binding sites on poliovirus RNA. McClain K, et al. **Virology** 1981 Aug;113(1):150–67

Identification of point mutations in the genome of the poliovirus Sabin vaccine LSc 2ab, and catalogue of RNase T1– and RNase A–resistant oligonucleotides of poliovirus type 1 (Mahoney) RNA. Nomoto A, et al. **Virology** 1981 Jul 15;112(1):217–27

Molecular variation of type 1 vaccine–related and wild polioviruses during replication in humans. Nottay BK, et al. **Virology** 1981 Jan 30;108(2):405–23

Viable variants in VA–RNA, gene of an Ad2–Ad5 recombinant. Rajagopalan S, et al. **Virology** 1981 Jul 30; 112(2):564–71

Poly(A)–adjacent sequence of the 14.5 S mRNA of vesicular stomatitis virus (New Jersey serotype). Rhodes DP, et al. **Virology** 1980 Aug;105(1):297–300

Attenuation of virulence of a bunyavirus involving an L RNA defect and isolation of LAC/SSH/LAC and LAC/SSH/SSH reassortants. Rozhon EJ, et al. **Virology** 1981 May;111(1):125–38

Adenovirus type 2 early proteins: assignment of the early region 1A proteins synthesized in vivo and in vitro to specific mRNAs. Smart JE, et al. **Virology** 1981 Jul 30; 112(2):703–13

Genetic diversity among avian influenza viruses. Sriram G, et al. **Virology** 1980 Sep;105(2):592–9

Translation of tick–borne encephalitis virus (flavivirus) genome in vitro: synthesis of two structural polypeptides. Svitkin YV, et al. **Virology** 1981 Apr 15;110(1):26–34

Interaction of psoralen derivatives with the RNA genome of Rous sarcoma virus. Swanstrom R, et al. **Virology** 1981 Sep;113(2):613–22

Arenavirus recombination: the formation of recombinants between prototype pichinde and pichinde munchique viruses and evidence that arenavirus S RNA codes for N polypeptide. Vezza AC, et al. **Virology** 1980 Oct 30; 106(2):250–60

Cell–free translation of purified avian sarcoma virus src mRNA. Weiss SR, et al. **Virology** 1981 Apr 30;110(2):476–8

Genome distribution of adenovirus total and self–complementary nuclear RNA at early times. Zimmer SG, et al. **Virology** 1981 Jun;111(2):301–11

[Hybridization properties of the 4S RNA of influenza virions] Pliusnin AZ, et al. **Biull Eksp Biol Med** 1980 Nov; 90(11):559–61 (Eng. Abstr.) **(Rus)**

[Bacteriophage MS2 mutants with disrupted phage replicase repressor activity] Dishler AV, et al. **Genetika (Moskva)** 1980;16(10):1719–28 (Eng. Abstr.) **(Rus)**

[Action of actinomycin and alpha–amanitin on the RNA transcription of the influenza virus] Farashian VR, et al. **Vopr Virusol** 1980 May–Jun;(3):273–7 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Antibodies against double–stranded RNA in patients with rheumatoid arthritis, osteoarthrosis and Paget's disease of bone. Kalmakoff J, et al. **Aust NZ J Med** 1981 Apr; 11(2):173–8

Retroviral gp70 immune complexes in NZB x NZW F2 mice with murine lupus nephritis. Izui S, et al. **J Exp Med** 1981 Aug 1;154(2):517–28

[The adoptive immune reactivity of white blood cells from patients with HBsAg RNA (author's transl)] Ge ZH. **Chung Hua Nei Ko Tsa Chih** 1979;18(3):168–70 **(Chi)**

ISOLATION & PURIFICATION

Genotypic varieties of La Crosse virus isolated from different geographic regions of the continental United States and evidence for a naturally occurring intertypic recombinant La Crosse virus. Klimas RA, et al. **Am J Epidemiol** 1981 Jul;114(1):112–31

A method for the isolation of segments from the 5' ends of retrovirus RNA. Chien YH, et al. **Anal Biochem** 1980 Mar 1;102(2):281–7

Structure of the lipid–containing bacteriophage phi 6. Disruption by Triton X–100 treatment. Bamford DH, et al. **Biochim Biophys Acta** 1980 Sep 18;601(2):245–59

Characterization of X–tropic endogenous retrovirus–specific RNA uninfected tissues and lymphosarcoma of BALB/c mice. Mukherjee BB, et al. **J Gen Virol** 1980 Aug; 49(2):411–6

Influenza surveillance based on oligonculeotide mapping of RNA of H1N1 viruses prevalent in Japan, 1978–1979. Nakajima S, et al. **J Infect Dis** 1980 Oct;142(4):492–502

Antibody–mediated polysome precipitation as a method for the size determination of viral mRNA species: viral envelope glycoprotein mRNA of avian sarcoma viruses. Netuschil L, et al. **J Virol Methods** 1980;1(2):99–112

The nucleic acid and proteins of epizootic haemorrhagic disease virus. Huismans H, et al. **Onderstepoort J Vet Res** 1979 Jun;46(2):95–104

Improved rapid methodology for the isolation of nucleic acids from agarose gels. Tracy S. **Prep Biochem** 1981; 11(3):251–68

Immunoselection of simian virus 40 large T antigen messenger rnas from transformed cells. Oren M, et al. **Virology** 1981 Sep;113(2):790–3

Isolation and identification of virus–specific mRNAs in cells infected with mouse hepatitis virus (MHV–A59). Spaan WJ, et al. **Virology** 1981 Jan 30;108(2):424–34

[Sedimentation and electron microscopic characteristics of RNA isolated from a highly concentrated suspension of Sendai virus] Khristova ML, et al. **Vopr Virusol** 1980 Sep–Oct;(5):535–40 (Eng. Abstr.) **(Rus)**

METABOLISM

Processing of adenovirus nuclear RNA to mRNA. Nevins JR, et al. **Adv Virus Res** 1981;26:1–35

The site at which late mRNAs are polyadenylated is altered in SV40 mutant dl882. Fitzgerald M, et al. **Ann NY Acad Sci** 1980;354:53–9

Mechanism of vesicular stomatitis virus mRNA decay. Pennica D, et al. **Arch Biochem Biophys** 1981 May; 208(2):403–8

Biochemical characterization of simian foamy virus type i. Cavalieri F, et al. **Arch Virol** 1981;68(3–4):197–202

Effect of inactivator(s) formed from copper and phenol impurity(ies) on the sedimentation rate of transfective poliovirion RNA. Dubes GR, et al. **Arch Virol** 1980; 66(1):45–51

Inactivation of transfective poliovirion RNA by a product or products of the interaction of trace copper with an impurity or impurities in reagent–grade phenol. Dubes GR, et al. **Arch Virol** 1980;66(1):27–44

hnRNP proteins interact with nascent adenovirus RNA. Blanchard JM. **Biochem Biophys Res Commun** 1980 Nov 28;97(2):524–9

Small nuclear RNA and VA RNA in nuclear ribonucleoprotein fibrils from adenovirus–2 infected HeLa cells. Gallinaro H, et al. **Biochem Biophys Res Commun** 1980 Jul 16;95(1):20–6

Comparison of in vivo and in vitro translation of cowpea mosaic virus RNAs. Goldbach RW, et al. **Biochem Biophys Res Commun** 1981 Mar 16;99(1):89–94

Polyamines stimulate natural RNA–directed DNA synthesis by Rauscher murine leukemia virus DNA polymerase. Marcus SL, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1361–8

Processing of bacteriophage T4 tRNAs: an RNAase III–strain contains a precursor for tRNAG1n and tRNALeu. Pragai B, et al. **Biochem Biophys Res Commun** 1980 Aug 29;95(4):1431–6

Complexes of alfalfa mosaic virus RNA 4 with one and three coat protein dimers. Houwing CJ, et al. **Biochemistry** 1980 Nov 11;19(23):5255–60

Preferential binding of 3'-terminal fragments of alfalfa mosaic virus RNA 4 to virions. Houwing CJ, et al. **Biochemistry** 1980 Nov 11;19(23):5261–4

Effects of (hydroxymethyl)trimethylpsoralen on structure and function of bacteriophage MS2 ribonucleic acid. Karathanasis SK, et al. **Biochemistry** 1981 Jun 9; 20(12):3579–85

Initiation of reovirus transcription by inosine 5'-triphosphate and properties of 7–methylinosine–capped, inosine–substituted messenger ribonucleic acids. Morgan MA, et al. **Biochemistry** 1980 Dec 23;19(26):5960–6

Wheat germ protein kinase affects the translation of Brome Mosaic virus ribonucleic acid in vitro. Rychlik W, et al. **Biochemistry** 1980 Nov 11;19(23):5249–55

RNA–protein interactions in the assembly of tobacco mosaic virus. Butler PJ, et al. **Biophys J** 1980;32(1):295–312

Enhancement of viral gene expression in Friend erythroleukemic cells by 12–O tetradecanoylphorbol–13–acetate. Colletta G, et al. **Cancer Res** 1980 Sep;40(9):3369–73

Expression of a subgenomic retroviral messenger RNA. Stacey DW. **Cell** 1980 Oct;21(3):811–20

Kinetics of synthesis and processing of precursor polypeptides of murine leukemia virus in frog oocytes following microinjection of viral RNA. Asselbergs FA, et al. **Eur J Biochem** 1980 Aug;109(2):395–403

Antagonistic action between antibodies directed against 7–methylguanosine and polyamines on translation in vitro of RNA induced by measles virus. Dante R, et al. **Eur J Biochem** 1980 Sep;110(2):539–44

Identification of binding sites of turnip yellow mosaic virus protein and RNA by crosslinks induced in situ. Ehresmann B, et al. **Eur J Biochem** 1980;108(1):123–9

Binding of ribosomes to linear and circular forms of the 5'-terminal leader fragment of tobacco–mosaic–virus RNA. Konarska M, et al. **Eur J Biochem** 1981 Feb;114(2):221–7

Synthesis and processing of Semliki Forest virus–specific nonstructural proteins in vivo and in vitro. Lehtovaara P, et al. **Eur J Biochem** 1980 Dec;112(3):461–8

Functional recognition of phage RNA by 30–S ribosomal subunits in the absence of initiator tRNA. Van Duin J, et al. **Eur J Biochem** 1980 Sep;110(2):593–7

Interference of symmetrically transcribed RNA in the hybridization competition experiment: a re–evaluation of the nitrocellulose filter technique for detecting RNA–DNA hybrids. Helland DE, et al. **FEBS Lett** 1980 Jul 28; 116(2):251–6

Inhibition of avian myeloblastosis virus reverse transcriptase by ethidium bromide: effect on enzyme activity and primer tRNA recognition. Sarih L, et al. **FEBS Lett** 1980 Dec 15;122(1):100–4

Two leaky termination codons in AMV RNA 1. Van Tol RG, et al. **FEBS Lett** 1980 Aug 25;118(1):67–71

The characteristics of the cell–free translation of mRNA from cells infected with the herpes virus pseudorabies virus. McGrath BM, et al. **J Gen Virol** 1980 Aug;49(2):323–32

Specificity of RNA binding by the structural protein (p10) of Friend murine leukemia virus. Nissen–Meyer J, et al. **J Mol Biol** 1980 Sep 5;142(1):19–28

Efficiency of processing of viral RNA during the early and late phases of productive infection by polyoma virus. Acheson NH. **J Virol** 1981 Feb;37(2):628–35

Early RNAs in SP82- and SP01-infected Bacillus subtilis may be processed. Downard JS, et al. **J Virol** 1981 Mar; 37(3):1075-8

Translation of black beetle virus RNA and heterologous viral RNAs in cell-free lysates derived from Drosophila melanogaster. Guarino LA, et al. **J Virol** 1981 Jan; 37(1):500-5

Stability of bacteriophage phi X174-specific mRNA in vivo. Hayashi MN, et al. **J Virol** 1981 Jan;37(1):506-10

Nuclear processing of viral high-molecular-weight RNA in cells infected with herpes simplex virus type 1. Jacquemont B, et al. **J Virol** 1980 Aug;35(2):382-9

Simian virus 40 early mRNA's in lytically infected and transformed cells contain six 5'-terminal caps. Kahana C, et al. **J Virol** 1981 Jan;37(1):7-16

New chimeric splice junction in adenovirus type 2-simian virus 40 hybrid viral mRNA. Khoury G, et al. **J Virol** 1980 Oct;36(1):143-51

Binding of wheat germ ribosomes to fragmented viral mRNA. Kozak M. **J Virol** 1980 Sep;35(3):748-56

Correlation of RNA binding affinity of avian oncornavirus p19 proteins with the extent of processing of virus genome RNA in cells. Leis JP, et al. **J Virol** 1980 Sep;35(3):722-31

Vesicular stomatitis virus mRNA and inhibition of translation of cellular mRNA--is there a P function in vesicular stomatitis virus? Lodish HF, et al. **J Virol** 1981 May; 38(2):504-17

tRNA's and priming of RNA-directed DNA synthesis in mouse mammary tumor virus. Peters G, et al. **J Virol** 1980 Jul;35(1):31-40

Characterization of intracellular viral RNA in interferon-treated cells chronically infected with murine leukemia virus. Salzberg S, et al. **J Virol** 1980 Sep; 35(3):694-703

In vitro translation of Uukuniemi virus-specific RNAs: identification of a nonstructural protein and a precursor to the membrane glycoproteins. Ulmanen I, et al. **J Virol** 1981 Jan;37(1):72-79

Shutoff of neuroblastoma cell protein synthesis by Semliki Forest virus: loss of ability of crude initiation factors to recognize early Semliki Forest virus and host mRNA's. van Steeg H, et al. **J Virol** 1981 May;38(2):728-36

Nuclear ribonucleoprotein particles from adenovirus infected Hela cells. Blanchard JM, et al. **Mol Biol Rep** 1981 May 22;7(1-3):107-13

Two-step binding of eukaryotic ribosomes to brome mosaic virus RNA3. Ahlquist P, et al. **Nature** 1979 Sep 27; 281(5729):277-82

Regulation of adenovirus-2 gene expression at the level of transcriptional termination and RNA processing. Nevins JR, et al. **Nature** 1981 Mar 12;290(5802):113-8

Mechanism of RNA-protein interactions in tobacco mosaic virus: analysis of the pH stability of virus protein complexes with synthetic polynucleotides. Ledneva RK, et al. **Nucleic Acids Res** 1980 Nov 11;8(21):5129-41

Binding of ribosomes to the 5' leader sequence (N = 258) of RNA 3 from alfalfa mosaic virus. Pinck M, et al. **Nucleic Acids Res** 1981 Mar 11;9(5):1087-100

Infectivity and reconstitution of TMV RNA modified with N-acetoxy-2-acetylaminofluorene or benzol [a] pyrene 7,8-dihydrodiol 9,10 oxide. Singer B, et al. **Nucleic Acids Res** 1980 May 10;8(9):2067-74

The binding of T4 gene 32 protein to MS2 virus RNA and transfer RNA. Suau P, et al. **Nucleic Acids Res** 1980 Mar 25;8(6):1357-72

The structure of the covalent linkage between proteins and RNA in encephalomyocarditis virus. Vartapetian AB, et al. **Nucleic Acids Res** 1980 Aug 25;8(16):3729-42

Synthesis in high yield of complementary DNA of retroviral RNA. Arya SK, et al. **Prep Biochem** 1980;10(4):483-93

Specific binding of eukaryotic initiation factor 2 to satellite tobacco necrosis virus RNA at a 5'-terminal sequence comprising the ribosome binding site. Kaempfer R, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1542-6

delta Agent: association of delta antigen with hepatitis B surface antigen and RNA in serum of delta-infected chimpanzees. Rizzetto M, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):6124-8

Inhibition of vaccinia mRNA methylation by 2',5'-linked oligo(adenylic acid) triphosphate. Sharma OK, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2221-4

Mechanism of mRNA capping by vaccinia virus guanylyltransferase: characterization of an enzyme--guanylate intermediate. Shuman S, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):187-91

Molecular packing of nucleic acids in spherical viruses. Harrison SC. **Prog Clin Biol Res** 1980;40:301-10

Splicing of viral mRNAs. Aloni Y. **Prog Nucleic Acid Res Mol Biol** 1981;25:1-31 (104 ref.)

The metabolism of SV40 RNA is associated with the cytoskeletal framework. Ben-Ze'ev A, et al. **Virology** 1981 Jun;111(2):475-87

Analysis of the expression of spleen focus-forming virus (SFFV)-related RNA and gp55, a Friend and Rauscher virus-specific protein. Bilello JA, et al. **Virology** 1980 Dec; 107(2):331-44

Functions of Sendai virus nucleocapsid polypeptides: enzymatic activities in nucleocapsids following cleavage of polypeptide P by Staphylococcus aureus protease V8. Chinchar VG, et al. **Virology** 1981 Feb;109(1):59-71

Viral messenger RNA unmethylated in the 5'-terminal guanosine in interferon-treated HeLa cells infected with vesicular stomatitis virus. de Ferra F, et al. **Virology** 1981 Jul 30;112(2):426-35

Multiple structurally related defective-interfering RNAs formed during undiluted passages of Semliki forest virus. Kääriäinen L, et al. **Virology** 1981 Sep;113(2):686-97

Increased methylation of RNA in SV40-infected interferon-treated cells. Kahana C, et al. **Virology** 1981 Jul 15;112(1):109-18

Biosynthesis of reovirus-specified polypeptides. purification and characterization of the small-sized class mRNAs of reovirus type 3: coding assignments and translational efficiencies. Levin KH, et al. **Virology** 1980 Oct 15; 106(1):1-13

Temporal regulation of the rate of vesicular stomatitis virus mRNA translation during infection of Chinese hamster ovary cells. Lynch KR, et al. **Virology** 1981 Jan 30; 108(2):277-85

Alteration of the 5' terminal caps of the mRNAs of vesicular stomatitis virus by cycloleucine in vivo. Moyer SA. **Virology** 1981 Jul 15;112(1):157-68

In vitro translation of adenovirus type 12-specific mRNA complementary to the transforming gene. Segawa K, et al. **Virology** 1980 Nov;107(1):61-70

Mutant retrovirus particles package vesicular stomatitis virus mRNA during mixed infection. Yakobson E, et al. **Virology** 1981 Feb;109(1):183-7

[Animal and viral mRNA translation in a mRNA-dependent cell-free system and rabbit reticulocytes] Kisling U, et al. **Vopr Virusol** 1981 Mar-Apr;(2):210-5 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Antitumor effect of virus-like particles from Lentinus edodes (Shiitake) on Ehrlich ascites carcinoma in mice. Takehara M, et al. **Arch Virol** 1981;68(3-4):297-301

PHYSIOLOGY

A highly efficient method of cell infection with encephalomyocarditis virus RNA. Chumakov KM. **Acta Virol (Praha)** 1980 Jun;24(4):225-31

Macromolecular requirements for abrogation of Fv-1 restriction by murine leukemia viruses. Bassin RH, et al. **J Virol** 1980 Aug;35(2):287-97

Molecular basis of bunyavirus transmission by mosquitoes: role of the middle-sized RNA segment. Beaty BJ, et al. **Science** 1981 Mar 27;211(4489):1433-5

Inhibition of protein synthesis by vaccinia virus. IV. The role of low-molecular-weight viral RNA in the inhibition of protein synthesis. Bablanian R, et al. **Virology** 1981 Jul 15;112(1):13-24

Chromatographic evidence that the AAA-coding isoacceptor of lysine tRNA primes DNA synthesis in murine mammary tumor virus. Waters LC. **Virology** 1981 Jul 30;112(2):766-9

RADIATION EFFECTS

A comparative study on the u.v. resistance of double-stranded and single-stranded encephalomyocarditis virus RNAs: evaluation of the possible contribution of host-mediated repair. Koonin EV, et al. **J Gen Virol** 1980 Aug;49(2):437-41

THERAPEUTIC USE

[The preparation and preliminary clinical application of HBV hepatitis immune RNA (author's transl)] **Chung Hua Nei Ko Tsa Chih** 1979;18(3):171-5 **(Chi)**

RNA VIRUSES

Virus-like particles of yeast. Bruenn JA. **Annu Rev Microbiol** 1980;34:49-68 (111 ref.)

Interferon production on mouse fibroblasts induced by various viruses. Pugliese A, et al. **Boll Ist Sieroter Milan** 1980 Mar 31;59(1):1-3

[Detection of the etiologic agent of hemorrhagic fever with a renal syndrome in the lungs of wild rodents] Noskov FS, et al. **Vopr Virusol** 1981 Mar-Apr;(2):207-9 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Are there two serotypes of the agent of haemorrhagic fever with renal syndrome? [letter] Chumakov MP, et al. **Lancet** 1980 Sep 27;2(8196):690-1

Taxonomy of viruses, 1980. Melnick JL. **Prog Med Virol** 1980;26:214-32

DRUG EFFECTS

Influence of actinomycin D on multiplication of Lednice virus [letter] Málková D. **Acta Virol (Praha)** 1980 Mar; 24(2):156

Antiviral activity of arildone on deoxyribonucleic acid and ribonucleic acid viruses. Kim KS, et al. **Antimicrob Agents Chemother** 1980 Aug;18(2):276-80

[Observation on the therapeutic effect of endoxen (cyclophosphamide) in the treatment of epidemic hemorrhagic fever and an investigation of its pathogenesis (author's transl)] Wang CJ. **Chung Hua Nei Ko Tsa Chih** 1979;18(1):48-50 **(Chi)**

[On the biological action of transition metal complexes. I. The antiviral activity of palladium aminopyridin-complexes (author's transl)] Tonew M, et al. **Zentralbl Bakteriol [A]** 1981 Aug;249(3):296-301 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Transcriptase activity associated with a type 2 double-stranded RNA mycovirus. McGinty RM, et al. **Biochem Biophys Res Commun** 1981 Jan 30;98(2):501-6

GENETICS

The biology and ecology of strains of an insect small RNA virus complex. Scotti PD, et al. **Adv Virus Res** 1981; 26:117-43

Evolution of RNA viruses. Baltimore D. **Ann NY Acad Sci** 1980;354:492-7

Temperature-sensitive mutants of equine arteritis virus. van Berlo MF, et al. **J Gen Virol** 1980 Jul;49(1):97-104

Replication of double-stranded RNA of the virus-like particles in Saccharomyces cerevisiae. Newman AM, et al. **J Virol** 1981 Apr;38(1):263-71

GROWTH & DEVELOPMENT

Propagation of Korean hemorrhagic fever virus in laboratory rats. Lee PW, et al. **Infect Immun** 1981 Jan;31(1):334-8

The budding mechanisms of enveloped animal viruses. Simons K, et al. **J Gen Virol** 1980 Sep;50(1):1-21 (193 ref.)

Korean hemorrhagic fever: propagation of the etiologic agent in a cell line of human origin. French GR, et al. **Science** 1981 Mar 6;211(4486):1046-8

IMMUNOLOGY

Pathologic features of horses given avirulent equine arteritis virus intramuscularly. McCollum WH. **Am J Vet Res** 1981 Jul;42(7):1218-20

Virus-mediated abrogation of chicken lymphocyte responsiveness to mitogenic stimulus. Wainberg MA, et al. **Avian Dis** 1980 Jul-Sep;24(3):580-90

Serological evidence for Korean haemorrhagic fever in Greece [letter] Lee HW, et al. **Lancet** 1981 Apr 11; 1(8224):832

Antigenic difference between European and East Asian viruses causing haemorrhagic fever with renal syndrome [letter] Lee PW, et al. **Lancet** 1981 Aug 1;2(8240):256-7

[Aetiology and importance of viral diseases of the respiratory tract (author's transl)] Schmidt J, et al. **Z Erkr Atmungsorgane** 1980;154(1):4-17 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Observations on natural and laboratory infection of rodents with the etiologic agent of Korean hemorrhagic fever. Lee HW, et al. **Am J Trop Med Hyg** 1981 Mar;30(2):477-82

Detection by enzyme-linked immunosorbent assay of haemorrhagic fever with renal syndrome virus in lung tissue of rodents from European U.S.S.R. [letter] Gavrilovskaya IN, et al. **Lancet** 1981 May 9;1(8228):1050

[Human viral carcinogenesis. RNA-tumor-virus like structures in human leukemia, lymphomas and sarcomas] Hehlmann R. **Fortschr Med** 1980 Oct 9;98(38):1473-6 (Eng. Abstr.) **(Ger)**

METABOLISM

[Problem of specific initiation during replication and transcription of the genomes of RNA-containing viruses] Kunin EV, et al. **Usp Sovrem Biol** 1980 May-Jun; 89(3):341-59 (153 ref.) **(Rus)**

RADIATION EFFECTS

[Sensitiveness of viruses fo gamma radiation (author's transl)] Mahnel H, et al. **Zentralbl Bakteriol [B]** 1980 Feb; 170(1-2):57-70 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Electron microscope appearance of Hantaan virus, the causative agent of Korean haemorrhagic fever. Lee HW, et al. **Lancet** 1981 May 16;1(8229):1070-2

RNASE see **RIBONUCLEASE**

RO 7-2956 see under **IMIDAZOLES**

RO 10-9359 see under **TRETINOIN**

RO 20-1724 see under **IMIDAZOLES**

ROBENIDINE see under **GUANIDINES**

ROCKY MOUNTAIN SPOTTED FEVER

Rickettsial diseases and Rocky Mountain spotted fever--Part I. Riley HD Jr. **Curr Probl Pediatr** 1981 Mar;11(5):1-46 (0 ref.)

COMPLICATIONS

Adult respiratory distress syndrome in Rocky Mountain spotted fever. Sacks HS, et al. **Am Rev Respir Dis** 1981 May;123(5):547-9

Cardiopulmonary dynamics in a severe case of Rocky

Mountain spotted fever. Lankford HV, et al. **Arch Intern Med** 1980 Oct;140(10):1357–9

Rocky Mountain spotted fever and deficiency in glucose-6-phosphate dehydrogenase. Walker DH, et al. **J Infect Dis** 1980 Nov;142(5):771

Neurologic sequelae of Rocky Mountain spotted fever. Gorman RJ, et al. **Pediatrics** 1981 Mar;67(3):354–7

Cardiac manifestations of Rocky Mountain spotted fever. Marin-Garcia J, et al. **Pediatrics** 1981 Mar;67(3):358–61

DIAGNOSIS

Detection of Rocky Mountain spotted fever antibodies by a latex agglutination test. Hechemy KE, et al. **J Clin Microbiol** 1980 Aug;12(2):144–50

Perspectives in Rocky Mountain spotted fever; early diagnosis and management. Lineaweaver WC, et al. **J Okla State Med Assoc** 1981 May;74(5):136–9

Rocky Mountain spotted fever: diagnostic dilemma of the atypical presentation. Tenenbaum MJ, et al. **South Med J** 1980 Nov;73(11):1527–9

Laboratory diagnosis of Rocky Mountain spotted fever. Walker DH, et al. **South Med J** 1980 Nov;73(11):1443–6, 1449

HISTORY

Howard Taylor Ricketts--imaginative investigator. Beatty WK, et al. **Proc Inst Med Chic** 1981 Apr-Jun;34(2):46–8

A review: 'Studies in Pyroplasmosis hominis ('spotted fever' or 'tick fever' of the Rocky Mountains)' by Louis B. Wilson and William M. Chowning, published in The Journal of Infectious Diseases 1:31–57, 1904. Ormsbee RA. **Rev Infect Dis** 1979 May-Jun;1(3):559–62

Classics in infectious diseases. Reprinted from The Journal of Infectious Diseases 1:31–57, 1904. Studies in Pyroplasmosis Hominis ('Spotted Fever' or 'Tick Fever' of the Rocky Mountains). Wilson LB, et al. **Rev Infect Dis** 1979 May-Jun;1(3):540–58

IMMUNOLOGY

Serological evidence of infection by spotted fever group rickettsiae in Karnataka State. Stephen S, et al. **Indian J Med Res** 1980 Sep;72:352–4

MICROBIOLOGY

Ecology of tick-borne agents in California. I. Spotted fever group rickettsiae. Lane RS, et al. **Am J Trop Med Hyg** 1981 Jan;30(1):239–52

Serotypes of spotted fever group rickettsiae isolated from Dermacentor andersoni (Stiles) ticks in western Montana. Philip RN, et al. **Am J Trop Med Hyg** 1981 Jan;30(1):230–8

OCCURRENCE

Rocky Mountain spotted fever in Mississippi: an update on an increasingly common infection. Wiygul FM Jr. **J Miss State Med Assoc** 1981 Jun;22(6):143–5

Rocky Mountain spotted fever--United States, 1980. **MMWR** 1981 Jul 10;30(26):318–20

PATHOLOGY

The liver in Rocky Mountain spotted fever. Adams JS, et al. **Am J Clin Pathol** 1981 Feb;75(2):156–61

Fatal Rocky Mountain spotted fever. Hematologic and lymphoreticular observations. Woodard BH, et al. **Arch Pathol Lab Med** 1981 Sep;105(9):452–3

The occurrence of eschars in Rocky Mountain spotted fever. Walker DH, et al. **J Am Acad Dermatol** 1981 May; 4(5):571–6

ROD OUTER SEGMENTS see under **RODS AND CONES**

RODENT CONTROL

see related
RODENTICIDES

Urban rat control--United States. **MMWR** 1981 May 8; 30(17):205–7

Urban rat control--United States. **MMWR** 1981 Jun 26; 30(24):301–3

Rodent and insect control in stored food crops. A contractor's view-point. Bull JO. **Prog Food Nutr Sci** 1980; 4(3–4):91–5

[Study of selective rodenticides. RH-787 and RH-945 (author's transl)] Deng Z. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1979;13(4):220–5 **(Chi)**

[Evaluation of the presence of warfarin-resistant rats in the city of Reggio Calabria] Alessandroni P, et al. **Ann Ist Super Sanita** 1980;16(2):271–86 (Eng. Abstr.) **(Ita)**

METHODS

Laboratory trials of seven rodenticides for use against the cotton rat (Sigmodon hispidus). Gill JE, et al. **J Hyg (Lond)** 1980 Dec;85(3):443–50

Laboratory evaluation of anticoagulant-treated baits for control of the northern palm squirrel, Funambulus pennanti Wroughton. Mathur RP, et al. **J Hyg (Lond)** 1980 Dec; 85(3):421–6

Laboratory and field evaluation of pyriminyl as a poison for Rattus norvegicus. Rennison BD, et al. **J Hyg (Lond)** 1980 Jun;84(3):347–54

[Trials on the control of Mongolian gerbils with non-cereal baits (author's transl)] Wang CX. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1979;13(3):175–9 **(Chi)**

[Methodological problems of assessing rodent eradication as measures of plague prevention] Soldatkin IS, et al. **Med Parazitol (Mosk)** 1981 May-Jun;50(3):44–8 **(Rus)**

[Deratization with phentolacin paste on board ships and in shore installations] Lebedev GI, et al. **Voen Med Zh** 1981; (7):64–5 **(Rus)**

RODENT DISEASES

The spontaneously hypertensive rat (15). Proceedings of XV annual scientific meeting of the Council for the Spontaneously Hypertensive Rat (SHR) October 13–14, 1979, Shiga-ken. **Jpn Heart J** 1980 Jul;21(4):551–606

Demyelination and wasting associated with polyomavirus infection in nude (nu/nu) mice. Sebesteny A, et al. **Lab Anim** 1980 Oct;14(4):337–45

Lymphomas associated with a tolerant lymphocytic choriomeningitis virus infection in mice. Skinner HH, et al. **Lab Anim** 1980 Apr;14(2):117–21

Invagination of one uterus horn in an ALB/Jena inbred guinea pig. Güttner J. **Z Versuchstierkd** 1980;22(3):192–4

Torsion of the uterus and the stomach in guinea pigs. Kunstýř I. **Z Versuchstierkd** 1981;23(1):67–9

BLOOD

Acute aflatoxicosis in guinea pigs: sequential changes in serum proteins, complement, C4, and liver enzymes and histopathologic changes. Thurston JR, et al. **Am J Vet Res** 1980 Aug;41(8):1272–6

Magnesium and zinc blood levels in mice sensitive to audiogenic seizures. Henrotte JG. **Ann Rech Vet** 1980; 11(3):285–8

The effect of excess dietary copper on plasma enzyme activity and on the copper content of the blood of the male rat. Haywood S, et al. **J Comp Pathol** 1980 Apr; 90(2):233–8

Differentiation of various experimentally-induced patholgical processes in Wistar rats by serum protein electrophoresis using cellulose-acetate membranes. Rothkopf-Ischebeck M. **Lab Anim** 1980 Apr;14(2):153–65

Coccidiosis: localization of lymphoblasts in the infected small intestine. Rose ME, et al. **Parasite Immunol** 1980 Autumn; 2(3):189–99

CHEMICALLY INDUCED

Embryo resorptions in mice induced by diterpene resin acids of Pinus ponderosa needles. Kubik YM, et al. **Cornell Vet** 1981 Jan;71(1):34–42

Diet as a coadjuvant for development of antibiotic-associated diarrhea in hamsters (Mesocricetus auratus). Michelich VJ, et al. **Lab Anim Sci** 1981 Jun;31(3):259–62

Short-term effects of dietary nitrilotriacetic acid in the male Charles River rat kidney. Alden CL, et al. **Vet Pathol** 1981 Jul;18(4):549–59

CONGENITAL

Congenital aortic stenosis in an Eastern gray squirrel. Phillips J, et al. **J Am Vet Med Assoc** 1980 Nov 1;177(9):939

DIAGNOSIS

Detection of mouse ectromelia virus using the heterologous rabbit antiserum conjugated with fluorescein isothiocyanate. Říhová B, et al. **Folia Microbiol (Praha)** 1980;25(5):442–4

Application of a percutaneous transhepatic cholangiofiberscope for endoscopic examination of the esophagus in rats. Morino K, et al. **Gan** 1980 Oct; 71(5):735–6

Inner ear disease characterized by rolling in C3H mice. Kohn DF, et al. **J Am Vet Med Assoc** 1980 Nov 1;177(9):815–7

Naturally acquired rabies in an eastern wood rat (Neotoma floridana). Dowda H, et al. **J Clin Microbiol** 1981 Jan; 13(1):238–9

Disseminated staphylococcal infection in a colony of captive ground squirrels (Citellus lateralis). Campbell GA, et al. **J Wildl Dis** 1981 Apr;17(2):177–81

Clinical ocular findings in a colony of chinchillas (Chinchilla laniger). Peiffer RL, et al. **Lab Anim** 1980 Oct;14(4):331–5

Diagnostic exercise. Transmissible murine colonic hyperplasia. Barthold SW. **Lab Anim Sci** 1980 Aug;30(4 Pt 1):641–2

Diagnostic exercise. Mouse hepatitis virus enteritis. Broderson JR. **Lab Anim Sci** 1980 Dec;30(6):965–6

Endoscopic detection of experimentally induced colonic neoplasms in guinea pigs (Cavia porcellus). Perez R, et al. **Lab Anim Sci** 1980 Aug;30(4 Pt 1):684–8

Endoscopic visualization of induced colonic tumors in rats. Silverman J, et al. **Lab Anim Sci** 1980 Jun;30(3):544–5

[Oxyuriasis in the laboratory mouse. Contribution to laboratory animal science] Wohlfender B, et al. **Schweiz Arch Tierheilkd** 1980 Aug;122(8):459–67 (Eng. Abstr.) **(Ger)**

[A simplified method for detection of visual abnormality in the rat in a reproduction study (author's transl)] Kaneko Y, et al. **Jikken Dobutsu** 1980 Oct;29(4):397–400 (Eng. Abstr.) **(Jpn)**

[Detection of cutaneous leishmaniasis in nutria (Myocastor coypus Mollina)] Uralov A. **Med Parazitol (Mosk)** 1980 Sep-Oct;49(5):85–6 **(Rus)**

[Effective method of detecting winter epizootics of tularemia] Mikhailovskii IV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Feb;(2):51–3 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Treatment of Syphacia obvelata in the Syrian hamster (Mesocricetus auratus) with piperazine citrate. Unay ES, et al. **Am J Vet Res** 1980 Nov;41(11):1899–1900

The efficacy of diethylcarbamazine in the treatment of cotton rat filariasis (Litomosoides carinii). Ezigbo JC, et al. **Bull Anim Health Prod Afr** 1980 Mar;28(1):61–7

An infected eczematous condition in mice: methods of treatment. Taylor DM, et al. **Lab Anim** 1980 Oct; 14(4):325–8

Experimental infection of goats and guinea pigs with Microsporum canis and trials on treatment with canesten cream and neguvon solution. Abu-Samra MT, et al. **Mycopathologia** 1980 Oct 31;72(2):79–84

Use of guniea pigs to assay anthelmintic resistance in ovine isolates of Trichostrongylus colubriformis. Kelly JD, et al. **Res Vet Sci** 1981 Mar;30(2):131–7

Anthelmintic properties of flubendazole against Dipetalonema viteae in jirds [letter] Denham DA. **Trans R Soc Trop Med Hyg** 1980;74(6):829

ETIOLOGY

Clostridium difficile-associated cecitis in guinea pigs exposed to penicillin. Lowe BR, et al. **Am J Vet Res** 1980 Aug; 41(8):1277–9

Turkey respiratory tract adenoviruses: oncogenic potential in neonatal hamsters (Mesocricetus auratus). Sutjipto S, et al. **Am J Vet Res** 1981 Mar;42(3):487–90

Subacute toxicity of dietary T-2 toxin in mice: morphological and hematological effects. Hayes MA, et al. **Can J Comp Med** 1980 Apr;44(2):203–18

Tick paralysis in a western harvest mouse. Botzler RG, et al. **J Wildl Dis** 1980 Apr;16(2):223–4

Serological and bacteriological studies on the staphylococcal exfoliative skin disease in guinea pigs. Ishihara C. **Jikken Dobutsu** 1980 Oct;29(4):427–32

Mesocricetus auratus: a new animal model for studying diabetes mellitus in pregnancy. Connor JS, et al. **Lab Anim Sci** 1981 Feb;31(1):35–8

Chromodacryorrhea in laboratory rats (Rattus norvegicus): etiologic considerations. Harkness JE, et al. **Lab Anim Sci** 1980 Oct;30(5):841–4

An exfoliative skin disease in guinea pigs due to Staphylococcus aureus. Ishihara C. **Lab Anim Sci** 1980 Jun; 30(3):552–7

Toxicity of cecal filtrates from guinea pigs with penicillin-associated colitis. Rehg JE, et al. **Lab Anim Sci** 1980 Jun;30(3):524–31

Clostridium difficile antitoxin neutralization of cecal toxin(s) from guinea pigs with penicillin-associated colitis. Rehg JE, et al. **Lab Anim Sci** 1981 Apr;31(2):156–60

Spontaneous intestinal constipation of the Japanese field vole (Microtus montebelli) in a laboratory colony. Nakajima Y, et al. **Natl Inst Anim Health Q (Tokyo)** 1980 Winter; 20(4):167–8

Encephalitogenic effect of Akabane virus on mice, hamsters and guinea pigs. Nakajima Y, et al. **Natl Inst Anim Health Q (Tokyo)** 1980 Summer;20(2):81–2

An outbreak of Tyzzer's disease in Mongolian gerbils (Meriones unguiculatus). Koopman JP, et al. **Z Versuchstierkd** 1980;22(5–6):336–41

Investigations into an antigen causing Tyzzer's disease in mice (Bacillus piliformis). Thunert A. **Z Versuchstierkd** 1980;22(5–6):323–33

FAMILIAL & GENETIC

A cytogenetic investigation of inherited true hermaphroditism in BALB/cWt mice. Eicher EM, et al. **Cytogenet Cell Genet** 1980;28(1–2):104–15

Incomplete sex chromosome pairing of oligospermic male hybrids of Mus musculus and M. musculus molossinus in relation to the source of the Y chromosome and the presence or absence of a reciprocal translocation. de Boer P, et al. **J Reprod Fertil** 1981 May;62(1):235–43

Polydactyly Nagoya, Pdn: A new mutant gene in the mouse. Hayasaka I, et al. **Jikken Dobutsu** 1980 Oct;29(4):391–5

[Spontaneous thymoma occurring in Buffalo/Mna rats] Matsuyama M, et al. **Jikken Dobutsu** 1981 Jan;30(1):67–71 **(Jpn)**

IMMUNOLOGY

Trypanosoma musculi: passive hemagglutination technique to measure antibody in mice. Brooks BO, et al. **Exp Parasitol** 1981 Aug;52(1):49–52

Strongyloides ratti: acquired resistance in the rat to the preintestinal migrating larvae. Murrell KD. **Exp Parasitol** 1980 Dec;50(3):417–25

Immunosuppression in toxoplasmosis: preliminary studies in mice infected with louping-ill virus. Buxton D, et al. **J Comp Pathol** 1980 Apr;90(2):331–8

Lack of effect of Spironucleus (Hexamita) muris on the

immune response to tetanus toxoid in the rat. Mullink JW, et al. **Lab Anim** 1980 Apr;14(2):127–8

A study of mouse strains susceptibility to Bacillus piliformis (Tyzzer's disease): the association of B-cell function and resistance. Waggie KS, et al. **Lab Anim Sci** 1981 Apr; 31(2):139–42

Effects of Fasciola hepatica infection on responses of rats to reinfection with Salmonella dublin. Aitken MM, et al. **Res Vet Sci** 1980 Mar;28(2):250–3

Resistance of Fasciola hepatica in rats and rabbits following sensitising infection and treatment. Haroun EM, et al. **Res Vet Sci** 1980 May;28(3):377–9

The different stages of Fasciola hepatica capable of inducing immunity and the susceptibility of various stages to immunological attack in the sensitised rat. Hughes DL, et al. **Res Vet Sci** 1981 Jan;30(1):93–8

Successful passive transfer of resistance to Fasciola hepatica infection in rats by immune serum and transfer factor. Mitchell GB, et al. **Res Vet Sci** 1981 Mar;30(2):246–7

Enzyme assay for detecting resistance to reinfection with the liver fluke Fasciola hepatica in rats. Rajasekariah GR, et al. **Res Vet Sci** 1980 Jul;29(1):124–5

[Distribution of rabies antigen in the central nervous system of rats and mice experimentally infected with rabies strains isolated from hamsters (Cricetus cricetus)] Alexander R, et al. **Vet Med (Praha)** 1981;26(5):271–8 (Eng. Abstr.) **(Slo)**

METABOLISM

Subacute toxicity of Dietary T-2 toxin in mice: influence of protein nutrition. Hayes MA, et al. **Can J Comp Med** 1980 Apr;44(2):219–28

The influence of Bacillus piliformis (Tyzzer) infections on the reliability of pharmacokinetic experiments in mice. Fries AS, et al. **Lab Anim** 1979 Jul;13(3):257–61

MICROBIOLOGY

Experimental Colorado tick fever virus infection in Colorado mammals. Bowen GS, et al. **Am J Trop Med Hyg** 1981 Jan;30(1):224–9

Murine infection model for contagious equine metritis: a new venereal disease of horses. Arko RJ, et al. **Am J Vet Res** 1980 Jul;41(7):989–93

Induction of persistent infection in mice and oncogenic transformation of mouse macrophages with infectious bovine rhinotracheitis virus. Geder L, et al. **Am J Vet Res** 1981 Feb;42(2):300–7

Leptospirosis in wildlife in Brazil: isolation of serovars canicola, pyrogenes and grippotyphosa. Santa Rosa CA, et al. **Int J Zoonoses** 1980 Jun;7(1):40–3

Isolation of Pasteurella ureae from reproductive tracts of congenic mice. Ackerman JI, et al. **J Clin Microbiol** 1981 Jun;13(6):1049–53

Association of Malassezia (Pityrosporum) pachydermatis with sarcoptic mange in New York State. Salkin IF, et al. **J Wildl Dis** 1980 Oct;16(4):509–14

The Norway rat as a selective chronic carrier of Leptospira icterohaemorrhagiae. Thiermann AB. **J Wildl Dis** 1981 Jan; 17(1):39–43

Isolation and properties of sialodacryoadenitis virus of rats. Kojima A, et al. **Jikken Dobutsu** 1980 Oct;29(4):409–18

Facultative Pasteurella ophthalmitis in Hooded Lister rats. Roberts SA, et al. **Lab Anim** 1980 Oct;14(4):323–4

In vitro activity of select antibiotics against Mycoplasma pulmonis from rats and mice. Gardner MC, et al. **Lab Anim Sci** 1981 Apr;31(2):143–5

Viruses of guinea pigs: considerations for biomedical research. Hsiung GD, et al. **Microbiol Rev** 1980 Sep; 44(3):468–90 (76 ref.)

Sendai virus in nude and germ-free rats. Carthew P, et al. **Res Vet Sci** 1980 Nov;29(3):289–92

The effects of added dietary iron in various forms on mice inoculated with Salmonella typhimurium. Smith IM, et al. **Res Vet Sci** 1980 Mar;28(2):161–7

A natural focus of infection with leptospires of the serovar lora in Bulgaria. Manev C, et al. **Trop Geogr Med** 1980 Sep;32(3):256–8

Differentiation of Treponema hyodysenteriae from T innocens by enteropathogenicity testing in the CF1 mouse. Joens LA, et al. **Vet Rec** 1980 Dec 6;107(23):527–9

[Pasteurella pneumotropica infection in a barrier-maintained rat breeding colony] Kunstýř I, et al. **Z Versuchstierkd** 1980;22(5–6):303–8 (Eng. Abstr.) **(Ger)**

[Lysogeny by phages specific to Yersinia pestis in bacteria of the microbiocenoses of wild plague-carrying rodents] Dorozhko OV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Aug;(8):38–46 (Eng. Abstr.) **(Rus)**

MORTALITY

On the nature of early mortality in murine malaria. Russell AS, et al. **J Parasitol** 1980 Dec;66(6):1065–6

Experimental infections by Brucella suis type 4 in Alaskan rodents. Miller LG, et al. **J Wildl Dis** 1980 Oct;16(4):457–64

The role of gonadal steroids in arachidonate-induced mortality in mice. Penhos JC, et al. **Proc Soc Exp Biol Med** 1981 May;167(1):98–100

OCCURRENCE

An epizootic in laboratory guinea pigs due to Trichophyton mentagrophytes. McAleer R. **Aust Vet J** 1980 May; 56(5):234–6

A serological proof of adiaspiromycosis in wild rodents. Stěrba J, et al. **Folia Parasitol (Praha)** 1980;27(4):377–81

Pheochromocytoma in rats: incidence, etiology, morphology and functional activity. Cheng L. **J Environ Pathol Toxicol** 1980 Nov;4(5–6):219–28

Natural foci of leptospirosis on the territory of the north-eastern part of the east mountain range of Azerbaijan and their characteristic. Tagi-Zade TA, et al. **J Hyg Epidemiol Microbiol Immunol** 1981;25(2):175–80

Native trichinosis in wild rodents in Henrico County, Virginia. Holliman RB, et al. **J Wildl Dis** 1980 Apr; 16(2):205–7

Prevalence of Cuterebra emasculator in squirrels in Mississippi. Jacobson HA, et al. **J Wildl Dis** 1981 Jan; 17(1):79–87

Woodchuck hepatitis virus in natural woodchuck populations. Tyler GV, et al. **J Wildl Dis** 1981 Apr; 17(2):297–301

Annual fluctuation of Schistosoma japonicum infection in field rats, Rattus rattus mindanensis, in Dagami, Leyte, Philippines. Kamiya H, et al. **Jpn J Exp Med** 1980 Oct; 50(5):375–82

Report on the prevalence and experimental infections of Angiostrongylus siamensis Ohbayashi, Kamiya et Bhaibulaya, 1979, parasitic in the mesenteric arteries of rodents in Thailand. Kamiya M, et al. **Jpn J Vet Res** 1980 Oct;28(4):114–21

A survey of Encephalitozoon cuniculi in laboratory animal colonies in the United Kingdom. Gannon J. **Lab Anim** 1980 Apr;14(2):91–4

Naturally acquired infections of Klebsiella pneumoniae in Wistar rats. Jackson NN, et al. **Lab Anim** 1980 Oct; 14(4):357–61

High incidence of dystokia in the casiragua (Proechimys guairae). Jones DM, et al. **Lab Anim** 1980 Oct;14(4):291

Infectious sialodacryoadenitis and rat breeding. Utsumi K, et al. **Lab Anim** 1980 Oct;14(4):303–7

An outbreak of staphylococcal furunculosis in nude mice. McBride DF, et al. **Lab Anim Sci** 1981 Jun;31(3):270–2

Infections with blood parasites in the small British rodents Apodemus sylvaticus, Clethrionomys glareolus and Microtus agrestis. Healing TD. **Parasitology** 1981 Aug; 83(Pt 1):179–89

Rodent and scrub typhus survey in a ricefield at Kramat Tunngak area, Tanjung Priok, Jakarta, Indonesia. Lim BL, et al. **Southeast Asian J Trop Med Public Health** 1980 Jun; 11(2):232–9

Species distribution of trombiculid mites on murine rodents in Rangoon, Burma. Nadchatram M, et al. **Southeast Asian J Trop Med Public Health** 1980 Sep; 11(3):352–4

Seasonal variations and relative abundance of mesostigmatid mites collected from Bandicota bengalensis and Rattus species in Rangoon, Burma. Telford SR Jr, et al. **Southeast Asian J Trop Med Public Health** 1980 Sep; 11(3):348–51

Epidemiology of toxoplasmosis in Kuwait. II. Toxoplasma gondii in the desert rodent, Meriones crassus. Al-Karmi T, et al. **Trans R Soc Trop Med Hyg** 1980;74(6):745–6

Pasteurella multocida infection of poultry farm rats. Curtis PE, et al. **Vet Rec** 1980 Oct 4;107(14):326–7

[Adiaspiromycosis in small mammals in large capacity pigsties in the Třebon basin] Prokopič J, et al. **Vet Med (Praha)** 1981 Feb;26(2):85–93 (Eng. Abstr.) **(Cze)**

[Discovery of a new focus of zoonotic plague in the eastern Azarbaidjan region of Iran] Karimi P. **Bull Soc Pathol Exot Filiales** 1980 Jan–Feb;73(1):28–35 (Eng. Abstr.) **(Fre)**

[Tumor spectrum of the Han: WIST rat] Deerberg F, et al. **Z Versuchstierkd** 1980;22(5–6):267–80 (Eng. Abstr.) **(Ger)**

[Occurrence and distribution of virus infections in mice and rat strains of the German Federal Republic. Brief report] Kraft V, et al. **Z Versuchstierkd** 1980;22(5–6):299–302 (Eng. Abstr.) **(Ger)**

[Spontaneous diseases and pathologic changes in Han: NMRI nu/nu mice] Rehm S, et al. **Z Versuchstierkd** 1980; 22(5–6):309–16 (Eng. Abstr.) **(Ger)**

[Frequency of spontaneous tumors in rats from the Planernaia Breeding Nursery of the Academy of Medical Sciences of the USSR] Finogenova MA, et al. **Vopr Pitan** 1980 Nov–Dec;(6):68–70 **(Rus)**

[Detection of the etiologic agent of hemorrhagic fever with a renal syndrome in the lungs of wild rodents] Noskov FS, et al. **Vopr Virusol** 1981 Mar–Apr;(2):207–9 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

Infectivity of Leishmania donovani primary culture promastigotes for golden hamsters. Short communication. Keithly JS, et al. **Acta Trop (Basel)** 1981 Mar;38(1):85–9

Trypanosoma vivax: host influence on appearance of variable antigen types. de Gee AL, et al. **Exp Parasitol** 1981 Jun; 51(3):392–9

Experimental light infection of Angiostrongylus cantonensis in hamsters. Ishii AI, et al. **Int J Zoonoses** 1980 Dec; 7(2):120–4

Trixacarus caviae infestation of guinea pigs. Kummel BA, et al. **J Am Vet Med Assoc** 1980 Nov 1;177(9):903–8

Mange caused by Trixacarus caviae in guinea pigs. Zajac A, et al. **J Am Vet Med Assoc** 1980 Nov 1;177(9):900–3

Sarcoptid mite infestation in a colony of guinea pigs. Zenoble RD, et al. **J Am Vet Med Assoc** 1980 Nov 1;177(9):898–900

Experimental infection of Sigmodon hispidus with third-stage larvae of Angiostrongylus costaricensis. Ubelaker JE, et al. **J Parasitol** 1981 Apr;67(2):219–21

Modes of ectoparasite reinfestations of deer mice (peromyscus maniculatus). Glicken A, et al. **J Wildl Dis** 1980 Oct;16(4):577–86

Ultrastructural features of spironucleosis (hexamitiasis) in x-irradiated rat small intestine. Gruber HE, et al. **Lab Anim** 1979 Jul;13(3):199–202

Demodicidosis in laboratory rats (Rattus norvegicus). Walberg JA, et al. **Lab Anim Sci** 1981 Feb;31(1):60–2

Morphological aspects of Schistosoma mansoni in naturally infected Holochilus brasiliensis leucogaster [letter] Dias LC, et al. **Trans R Soc Trop Med Hyg** 1980;74(5):690

Immunodiagnosis of parasitic zoonoses: sensitivity and specificity of in vitro lymphocyte proliferative responsiveness using nematode antigens purified by affinity chromatography. Welch JS, et al. **Trans R Soc Trop Med Hyg** 1981;75(1):5–14

Experimental infections of laboratory rodents with recently isolated stocks of Trypanosoma brucei gambiense. I. Parasitological investigations. Beckers A, et al. **Z Parasitenkd** 1981;64(3):285–96

[Cerebral nematode infection in nutria (myocastor coypus)—caused by larvae of Baylisascaris (Nematoda)] Koch F, et al. **Berl Munch Tieraerztl Wochenschr** 1981; 94(6):111–4 (Eng. Abstr.) **(Ger)**

[Ectoparasites of the Norway rat, Rattus norvegicus norvegicus Berk. 1769 in northern Kazakhstan] Nechaeva LK, et al. **Med Parazitol (Mosk)** 1981 May–Jun;50(3):69–74 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Scanning electron microscopy of experimentally induced pyelonephritis in the rat. Appleton JA, et al. **Am J Vet Res** 1981 Feb;42(2):351–5

Histopathologic evaluation of livers of pregnant hamsters infected with Leptospira canicola. Sapp WJ, et al. **Am J Vet Res** 1980 Aug;41(8):1288–92

Pituitary tumorigenesis in aging female C57BL/6J mice: a light and electron microscopic study. Schechter JE, et al. **Anat Rec** 1981 Mar;199(3):423–32

Spontaneous fibrous histiocytic neoplasms in rats. Greaves P, et al. **Br J Cancer** 1981 Mar;43(3):402–11

Inhibition of spontaneous hepatocarcinogenesis in C3H/HeN mice by transplanted hepatocellular carcinomas. Becker FF. **Cancer Res** 1981 Sep;41(9 Pt 1):3320–3

Primary neoplasms of the heart. Bode G, et al. **Exp Pathol** 1981;19(1):31–6

Occurrence, transplantation, and histologic characteristics of nephroblastoma in the Nb hooded rat. Hard GC, et al. **Invest Urol** 1981 Mar;18(5):371–6

Poxvirus and multiple tumors in an eastern gray squirrel. O'Connor DJ, et al. **J Am Vet Med Assoc** 1980 Nov 1; 177(9):792–5

The effect of excess dietary copper on the liver and kidney of the male rat. Haywood S. **J Comp Pathol** 1980 Apr; 90(2):217–32

Ultrastructure of spontaneous pituitary neoplasms in the rat. Majeed SK, et al. **J Comp Pathol** 1980 Apr;90(2):239–46

Ultrastructure of spontaneous neoplasms induced by diethylnitrosamine and dieldrin in the C3H mouse. Ruebner BH, et al. **J Environ Pathol Toxicol** 1980 Nov;4(5–6):237–54

Histopathological profile of a Wistar rat stock including a survey of the literature. Kroes R, et al. **J Gerontol** 1981 May;36(3):259–79

Systemic phycomycosis and multiple fibromas in a gray squirrel (Sciurus carolinensis). Novilla MN, et al. **J Wildl Dis** 1981 Jan;17(1):89–95

Pathological observations on natural cases of sialodacryoadenitis of rats. Doi K, et al. **Jikken Dobutsu** 1980 Oct;29(4):419–26

Spontaneous nephroblastoma in Sprague–Dawley rats. Iida M, et al. **Jikken Dobutsu** 1981 Jan;30(1):31–4

Spontaneous occurrence of gamma-glutamyl transpeptidase-positive hepatocytic foci in 105-week-old Wistar and 72-week-old Fischer 34 male rats. Ogawa K, et al. **JNCI** 1981 Aug;67(2):407–12

Osteogenic sarcoma in 2 guinea pigs. Hong CC, et al. **Lab Anim** 1981 Jan;15(1):49–51

Naturally-occurring neoplasms in the Mongolian gerbil, Meriones unguiculatus. Meckley PE, et al. **Lab Anim** 1979 Jul;13(3):203–6

Spontaneous fibro-osseous lesions in aging female mice. Sass B, et al. **Lab Anim Sci** 1980 Oct;30(5):907–9

Spontaneous gastric erosions and ulcerations in BB Wistar rats. Wright JR Jr, et al. **Lab Anim Sci** 1981 Feb;31(1):63–6

Pathology of experimental atherosclerosis: changes of acute phase in rats loaded with vitamin D2 and cholesterol. Okawa H, et al. **Nippon Juigaku Zasshi** 1980 Dec; 42(6):623–33

Duodenal hyperplasia in a guinea pig. Elwell MR, et al. **Vet Pathol** 1981 Jan;18(1):136–9

Radicular myelinopathy in aging rats. Krinke G, et al. **Vet Pathol** 1981 May;18(3):335–41

Morphology of hyperplastic and neoplastic lesions in the clitoral and preputial gland of the F344 rat. Reznik G, et al. **Vet Pathol** 1981 Mar;18(2):228–38

Adenomyosis in mice. Güttner J. **Z Versuchstierkd** 1980; 22(4):249–51

[Capillaria hepatica infection of Mastomys natalensis: pathological changes in liver and spleen following infections with embryonated and x-ray attenuated eggs] Zahner H, et al. **Zentralbl Veterinaermed [B]** 1980; 27(2):85–101 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

[Maternal and fetal response to hemorrhagic anemia during organogenesis in rats] Matsubara Y, et al. **Jikken Dobutsu** 1981 Jan;30(1):15–20 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

The threat of mouse pox [letter] Wallace GD. **J Immunol** 1981 Apr;126(4):1648

An attempt for eradication of Sendai virus from a mouse breeding colony. Saito M, et al. **Jikken Dobutsu** 1980 Oct; 29(4):457–60

Prevention of spontaneous tumors of aged mice by immunopharmacologic manipulation: study of immune antitumor mechanisms. Bruley-Rosset M, et al. **JNCI** 1981 Jun;66(6):1113–9

Praziquantel for control of Hymenolepis nana in mice. Arther RG, et al. **Lab Anim Sci** 1981 Jun;31(3):301–2

Cross-protection between hardjo and balcanica [letter] Mackintosh CG, et al. **NZ Vet J** 1981 Apr;29(4):64

SURGERY

[A contribution to the treatment of penis paralysis in nutrias (author's transl)] Ivascu I. **DTW** 1980 Oct 5;87(10):381–3 (Eng. Abstr.) **(Ger)**

THERAPY

Inactivated vaccine for Ebola virus efficacious in guineapig model [letter] Lupton HW, et al. **Lancet** 1980 Dec 13; 2(8207):1294–5

TRANSMISSION

Experimental transmission of Treponema hyodysenteriae from mice to pigs. Joens LA. **Am J Vet Res** 1980 Aug; 41(8):1225–6

Transmission studies with Sarcocystis idahoensis of deer mice (Peromyscus maniculatus) and gopher snakes (Pituophis melanoleucus). Bledsoe B. **J Wildl Dis** 1980 Apr; 16(2):195–200

Transmission of Spironucleus and Giardia spp. and some nonpathogenic intestinal protozoa from infested hamsters to mice. Sebesteny A. **Lab Anim** 1979 Jul;13(3):189–91

Trichophyton mentagrophytes skin infections in laboratory animals as a cause of zoonosis. Hironaga M, et al. **Mycopathologia** 1981 Feb 13;73(2):101–4

Pathogenicity of Sendai virus in mice cage-mated with infectors and their offsprings. Nakagawa M, et al. **Nippon Juigaku Zasshi** 1980 Jun;42(3):337–44

Coccidia (Protozoa: Sporozoasida) of cats and dogs. II. Experimental induction of Sarcocystis infections in mice. McKenna PB, et al. **NZ Vet J** 1980 Jun;28(6):117–9

[Experimental study of the possible role of mollusks and aquatic beetles in circulating Omsk hemorrhagic fever virus] Fedorova TN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Jul;(7):114–5 **(Rus)**

RODENTICIDES

Bait shyness towards zinc phosphide & vacor in the larger bandicoot rat Bandicota indica (Bechstein). Sridhara S, et al. **Indian J Exp Biol** 1980 Sep;18(9):1029–31

Histopathological changes of certain rodenticides. Sabet S, et al. **J Egypt Public Health Assoc** 1979;54(5–6):313–30

Laboratory evaluation of scilliroside used as a rodenticide against the lesser bandicoot rat, Bandicota bengalensis. Brooks JE, et al. **J Hyg (Lond)** 1980 Oct;85(2):227–34

Laboratory trials of seven rodenticides for use against the cotton rat (Sigmodon hispidus). Gill JE, et al. **J Hyg (Lond)** 1980 Dec;85(3):443–50

Statistical analysis of comparative field trials of acute rodenticides. Huson LW. **J Hyg (Lond)** 1980 Jun; 84(3):341–6

Laboratory evaluation of anticoagulant-treated baits for control of the northern palm squirrel, Funambulus pennanti Wroughton. Mathur RP, et al. **J Hyg (Lond)** 1980 Dec; 85(3):421–6

Laboratory and field evaluation of pyriminyl as a poison for Rattus norvegicus. Rennison BD, et al. **J Hyg (Lond)** 1980 Jun;84(3):347–54

[Study of selective rodenticides. RH-787 and RH-945 (author's transl)] Deng Z. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1979;13(4):220–5 **(Chi)**

[Trials on the control of Mongolian gerbils with non-cereal baits (author's transl)] Wang CX. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1979;13(3):175–9 **(Chi)**

ADMINISTRATION & DOSAGE

[Deratization with phentolacin paste on board ships and in shore installations] Lebedev GI, et al. **Voen Med Zh** 1981; (7):64–5 **(Rus)**

ANALYSIS

Determination of sodium fluoroacetate (compound 1080) in poison baits by HPLC. Collins DM, et al. **Bull Environ Contam Toxicol** 1981 May;26(5):669–73

Determination of brodifacoum in animal tissues by HPLC. Kieboom AJ, et al. **Bull Environ Contam Toxicol** 1981 May; 26(5):674–8

High pressure liquid chromatographic determination of sodium fluoroacetate (compound 1080) in canine gastric content. Ray AC, et al. **J Assoc Off Anal Chem** 1981 Jan; 64(1):19–24

[Detection of rodenticidal preparations – urea derivatives (Dirax, Vacor) in biological materials using thin layer chromatography] Piskač A, et al. **Vet Med (Praha)** 1980; 25(12):739–42 (Eng. Abstr.) **(Cze)**

[Method of toxicological research of anticoagulant rodenticides (author's transl)] Pinault L, et al. **Toxicol Eur Res** 1981 Jan;3(1):51–4 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

The response of the Egyptian spiny mouse (Acomys cahirinus) and two other species of commensal rodents to anticoagulant rodenticides. Mahmoud W, et al. **J Hyg (Lond)** 1981 Jun;86(3):329–34

Field trials of bromadiolone against infestations of warfarin-resistant Rattus norvegicus. Richards CG. **J Hyg (Lond)** 1981 Jun;86(3):363–7

[Effect of an anticoagulant rodenticide on the female albino rat with offspring] Marchini S, et al. **Parassitologia** 1978 Dec;20(1–3):59–70 (Eng. Abstr.) **(Ita)**

POISONING

PNU intoxication [letter] LeWitt P. **Am J Dis Child** 1980 Dec;134(12):1178

Diabetes mellitus associated with autonomic and peripheral neuropathy after Vacor rodenticide poisoning: a review. Gallanosa AG, et al. **Clin Toxicol** 1981;18(4):441–9 (20 ref.)

Evaluation of the role of ionized calcium in sodium fluoroacetate ('1080') poisoning. Shapira AR, et al. **Toxicol Appl Pharmacol** 1980 Nov;56(2):216–20

Diabetes mellitus and orthostatic hypotension resulting from ingestion of Vacor rat poison: endocrine and autonomic function studies. Peters KS, et al. **West J Med** 1981 Jan; 134(1):65–8

[Diabetes due to PNU (rat poison) (editorial)] Dror K. **Harefuah** 1980 Sep;99(5–6):140–1 **(Heb)**

TOXICITY

Toxicity and rodenticidal potency of zinc phosphide. Krishnakumari MK, et al. **Bull Environ Contam Toxicol** 1980 Jul;25(1):153–9

Comparative effect of the three rodenticides warfarin, difenacoum and brodifacoum on eight rodent species in short feeding periods. Lund M. **J Hyg (Lond)** 1981 Aug; 87(1):101–7

[Experimental testing of a rodenticidal preparation, Pyriminyl (Vacor), in small animals] Konrád J, et al. **Vet Med (Praha)** 1980 Aug;25(8):501–9 (Eng. Abstr.) **(Cze)**

RODENTS

Social behavior of pine voles, Microtus pinetorum: effects of gender, familiarity, and isolation. Geyer LA, et al. **Behav Neural Biol** 1981 Mar;31(3):331–41

Infanticide in the meadow vole, Microtus pennsylvanicus: significance in relation to social system and population cycling. Webster AB, et al. **Behav Neural Biol** 1981 Mar; 31(3):342–7

Corynebacterium kutscheri infection in wild voles (Microtus agrestis). Barrow PA. **Br Vet J** 1981 Jan;137(1):67–70

The brown lemming, Lemmus sibiricus (Rodentia, Arvicolidae), in the late Pleistocene of Alberta and its postglacial dispersal. Burns JA. **Can J Zool** 1980 Aug; 58(8):1507–11

A device for observing wild beavers in their lodge. Patenaude-Pilote F, et al. **Can J Zool** 1980 Jun;58(6):1210–2

A simple method for exact intratracheal instillation in small laboratory rodents. Lany J, et al. **Cancer Lett** 1980 Jul; 10(1):91–4

Praomys (Mastomys) natalensis: animal model for study of histamine-induced duodenal ulcers. Hosoda S, et al. **Gastroenterology** 1981 Jan;80(1):16–21

Isolation of Leptospira from desert rodents of west Texas. Redetzke KA, et al. **J Wildl Dis** 1980 Jul;16(3):333–7

Woodchuck hepatitis virus in natural woodchuck populations. Tyler GV, et al. **J Wildl Dis** 1981 Apr; 17(2):297–301

Comparative feeding trials of 2 maintenance diets containing different crude protein levels. Connell DI, et al. **Lab Anim** 1981 Jan;15(1):13–20

A simple, inexpensive restraining shield for laboratory rodents. Koenig SL, et al. **Lab Anim Sci** 1981 Feb; 31(1):83–4

Occurrence of squalene in skin surface lipids of the otter, the beaver and the kinkajou. Lindholm JS, et al. **Lipids** 1980 Dec;15(12):1062–3

Spontaneous intestinal constipation of the Japanese field vole (Microtus montebelli) in a laboratory colony. Nakajima Y, et al. **Natl Inst Anim Health Q (Tokyo)** 1980 Winter; 20(4):167–8

[Experience with a bacteriologic and serologic study of a tularemia epizootic in rodents in a natural focus of the meadow and field type] Meshcheriakova IS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Mar;(3):79–83 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

A light and electron microscopic study of the pineal body of the nutria (Myocastor coypus). Salisbury RL, et al. **Acta Anat (Basel)** 1981 Feb;109(2):137–48

The relationship of macrophages and erythrocyte receptors to vascular patterns in vole spleen. Steven WM. **Acta Anat (Basel)** 1981 Mar;109(3):197–208

Are certain peculiarities in the distribution of somatostatin-like immunoreactivity (SLI) in the brain of sand rats (Psammomys obesus) possibly connected with an altered carbohydrate metabolism? Dorn A, et al. **Acta Histochem (Jena)** 1980;66(1):168–73

The ultrastructure of the thin limbs of Henle in Kidneys of the desert heteromyid (Perognathus penicillatus). Nagle RB, et al. **Am J Anat** 1981 May;161(1):33–47

Unusual cytoplasmic bodies in chromaffin cells of the adrenal medulla of the viscacha (Lagostomus maximus maximus). Piezzi RS, et al. **Am J Anat** 1981 Mar;160(3):359–61

Topographical relationships of synaptic ribbons in the pineal system of the vole (Microtus agrestis). Hewing M. **Anat Embryol (Berl)** 1981;162(3):313–23

The mammalian renal pelvis: physiological implications from morphometric analyses. Lacy ER. **Anat Embryol (Berl)** 1980;160(2):131–44

Ultrastructural organization of the transition from the distal nephron to the collecting duct in the desert rodent Psammomys obesus. Kaissling B. **Cell Tissue Res** 1980; 212(3):475–95

The submaxillary salivary glands of the African rodent Praomys (mastomys) natalensis as the richest available source of the nerve growth factor. Aloe L, et al. **Exp Cell Res** 1981 Jun;133(2):475–80

The occurrence of the myocardial coat of pulmonary veins in various species of mammals. Klika E, et al. **Folia Morphol (Praha)** 1980;28(4):381–4

Structure and topography of the muscular system of the foot of coypu (Myocastor coypus Mol.). Langenfeld M. **Folia Morphol (Warsz)** 1981;39(3):253–61

Seasonal changes in the ultrastructure of the thyrotroph in the wookchuck (Marmota monax) adenohypophysis. Frink R, et al. **J Anat** 1980 May;130(3):499–505

Sexual dimorphism for body mass in 13 taxa of muroid rodents under laboratory conditions. Dewsbury DA, et al. **J Mammal** 1980 Feb;61(1):146–9

Functional morphology of the masticatory musculature of the rodent subfamily microtinae. Kesner MH. **J Morphol** 1980 Aug;165(2):205–22

The 'Swiss roll': a simple technique for histological studies of the rodent intestine. Moolenbeek C, et al. **Lab Anim** 1981 Jan;15(1):57–9

[Immunohistochemical study of adenohypophysis cells reacting with antibodies against peptides of the opiocortine group in rock squirrels (Citellus variegatus Erxleben)] Girod C, et al. **C R Soc Biol (Paris)** 1980;174(5):776–82 (Eng. Abstr.) **(Fre)**

[Ultrastructure of folliculo-stellar cells in the hypophyseal pars distalis of the rock squirrel (Citellus variegatus Erxleben), the dormouse (Graphiurus murinus Desmaret), and the hedgehog (Erinaceus europaeus Linnaeus)] Girod C, et al. **Gen Comp Endocrinol** 1981 Jan;43(1):105–22 (Eng. Abstr.) **(Fre)**

[Immunohistochemical detection of somatostatin in the islet-organ of sand rats (Psammomys obesus) (author's transl)] Dorn A, et al. **Acta Histochem (Jena)** 1980; 66(1):174–7 (Eng. Abstr.) **(Ger)**

[Histological picture of young and mature nerve cells in the sympathetic ganglia of coypu (Myocastor coypus Mol.)] Langenfeld M. **Pol Arch Weter** 1979;22(2):233–41 (Eng. Abstr.) **(Pol)**

BLOOD

Hematologic values of the common vole (Microtus arvalis Pall. 1758) using sublingual blood samples. Short communication. Nikodémusz E, et al. **Z Versuchstierkd** 1981;23(1):1–3

CLASSIFICATION

Mastomys (=Praomys) natalensis is not a Rattus (Mammalia: Rodentia): karyological evidence. Lee MR, et al. **Cytogenet Cell Genet** 1980;28(1–2):95–103

EMBRYOLOGY

Accumulation of pancreas-specific products during organogenesis of Acomys cahirinus. de Gasparo M. **Gen Comp Endocrinol** 1980 Aug;41(4):499–505

GENETICS

Ovarian histology of two XO murid rodents from Australia. Baverstock PR, et al. **Aust J Exp Biol Med Sci** 1980 Dec; 58(6):607–13

Internally elongated rodent alpha-crystallin A chain: resulting from incomplete RNA splicing? de Jong WW, et al. **Biochem Biophys Res Commun** 1980 Sep 30; 96(2):648–55

Enzyme polymorphism in a population of Calomys musculinus (Rodentia, Cricetidae). Gardenal CN, et al. **Biochem Genet** 1980 Jun;18(5–6):563–75

Population dynamics and the evolution of sex–determination in lemmings. Carothers AD. **Genet Res** 1980 Oct; 36(2):199–209

Genetic changes in fluctuating vole populations: selective vs. nonselective forces. Gaines MS, et al. **Genetics** 1980 Nov;96, :767–78

Allozyme variation in natural populations of field vole (Microtus agrestis L.). II. Survey of an isolated island population. Nygren J. **Hereditas** 1980;93(1):107–14

Allozyme variation in natural populations of field vole (Microtus agrestis L.). III. Survey of a cyclically density–varying population. Nygren J. **Hereditas** 1980; 93(1):125–36

A pseudohermaphrodite XY/XO mosaic Pseudomys australis (Rodentia: Muroidae). Breed WG, et al. **J Mammal** 1980 Aug;61(3):537–9

Liver chromatin fractions in Mus and Akodon. The concept of constitutive heterochromatin. Catala A, et al. **Mol Cell Biochem** 1981 May 26;36(3):135–41

Further studies on effects of X–irradiation on prespermatid stages of the Northern vole Microtus oeconomus: low induction of sex–chromosomal nondisjunction and very high induction of diploid spermatids. Tates AD, et al. **Mutat Res** 1981 Jul;82(2):323–30

['Paradoxical' evolution of the individual transcribed repetitive DNA (BI) sequence in rodents] Kramerov DA, et al. **Dokl Akad Nauk SSSR** 1980;255(4):1005–9 **(Rus)**

GROWTH & DEVELOPMENT

The history of commercial production of laboratory rodents. Foster HL. **Lab Anim Sci** 1980 Aug;30(4 Pt 2):793–8

IMMUNOLOGY

Naturally occurring autoantibodies in aged Praomys (Mastomys) natalensis. Coolen J, et al. **Clin Immunol Immunopathol** 1981 May;19(2):238–49

Immunofluorescent studies in filariasis: antibody levels in jirds (Meriones unguiculatus) infected with Brugia malayi. Singh M, et al. **J Helminthol** 1980 Jun;54(2):147–53

Susceptibility of members of the Mastomys natalensis species complex to experimental infection with Yersinia pestis. Isaäcson M, et al. **J Infect Dis** 1981 Jul;144(1):80

The latex agglutination for Trypanosoma cruzi: unsuitable for testing animals. Minter–Goedbloed E, et al. **J Trop Med Hyg** 1980 Aug;83(4):157–60

Prevalence of indigenous viruses in laboratory animal colonies in the United Kingdom 1978–1979. Gannon J, et al. **Lab Anim** 1980 Oct;14(4):309–11

METABOLISM

Comparison of insulin secretion by the isolated perfused pancreas and perifused islets of the spiny mouse (Acomys cahirinus). Gerber PP, et al. **Acta Biol Med Ger** 1981; 40(1):35–8

Minor metabolism a xanthene dye by African giant rat (Cricetomys gambianus, Waterhouse). Adekunle AA. **Biochem Exp Biol** 1979;15(3):279–83

Choleresis and bile pigment excretion in the nutria. Preisig R, et al. **Cornell Vet** 1981 Jan;71(1):26–33

The effect of diet on the metabolic state during the development of a diabetic syndrome followed up in the sand rat (Psammomys obesus). Schäfer H, et al. **Endokrinologie** 1980;75(3):341–9

Milk composition in the plains viscacha (Lagostomus maximus). Goode JA, et al. **J Reprod Fertil** 1981 Jul; 62(2):563–6

Renal function and concentrating ability in a desert rodent: the gundi (Ctenodactylus vali). de Rouffignac C, et al. **Pfluegers Arch** 1981 May;390(2):138–44

Lead content of small mammals at a roadside site in relation to the pathways of exposure. Chmiel KM, et al. **Sci Total Environ** 1981 Feb;17(2):145–54

[Chemical diagnosis of sodium chloride poisoning in thoroughbred fur–bearing animals (foxes, coypu) and in turkeys and pheasants] Kačmár P, et al. **Vet Med (Praha)** 1980;25(12):733–8 (Eng. Abstr.) **(Slo)**

MICROBIOLOGY

Isolation of five strains of herpesviruses from two species of free living small rodents [letter] Blaškovič D, et al. **Acta Virol (Praha)** 1980 Dec;24(6):468

Studies on selection of LaCrosse virus variants by natural vertebrate hosts and vector mosquitoes. Seymour C, et al. **Acta Virol (Praha)** 1981 Mar;25(2):87–94

Experimental Colorado tick fever virus infection in Colorado mammals. Bowen GS, et al. **Am J Trop Med Hyg** 1981 Jan;30(1):224–9

Ecology of tick–borne agents in California. I. Spotted fever group rickettsiae. Lane RS, et al. **Am J Trop Med Hyg** 1981 Jan;30(1):239–52

Observations on natural and laboratory infection of rodents with the etiologic agent of Korean hemorrhagic fever. Lee HW, et al. **Am J Trop Med Hyg** 1981 Mar;30(2):477–82

The occurrence of salmonellae in rodent, shrew, cockroach and ant. Singh SP, et al. **Int J Zoonoses** 1980 Jun;7(1):58–61

Reverse transformation of vole cells transformed by avian sarcoma virus containing the src gene. Puck TT, et al. **J Cell Physiol** 1981 Jun;107(3):399–412

Isolation of Actinobacillus lignieresii and Actinobacillus equuli from laboratory rodents. Lentsch RH, et al. **J Clin Microbiol** 1980 Sep;12(3):351–4

Antigenic classification of Rickettsia tsutsugamushi isolates from small mammals trapped in developing oil palm complex in Peninsular Malaysia. Shirai A, et al. **Jpn J Med Sci Biol** 1980 Aug;33(4):231–4

Bacteriological examination of specified–pathogen–free animals: a procedure for small rodents. Erfle V, et al. **Lab Anim** 1980 Apr;14(2):123–6

Prevalence of indigenous viruses in laboratory animal colonies in the United Kingdom 1978–1979. Gannon J, et al. **Lab Anim** 1980 Oct;14(4):309–11

Detection by enzyme–linked immunosorbent assay of haemorrhagic fever with renal syndrome virus in lung tissue of rodents from European U.S.S.R. [letter] Gavrilovskaya IN, et al. **Lancet** 1981 May 9;1(8228):1050

Woodchuck, squirrel and duck hepatitis viruses [news] Zuckerman AJ. **Nature** 1981 Feb 26;289(5800):748–9

Distribution of mycoplasmas in field and laboratory rodents in Egypt. Ammar AM, et al. **Z Versuchstierkd** 1980; 22(4):216–23

On the ecology of Yersinia enterocolitica O 3. Yersinia in synanthropic animals. Aldová E, et al. **Zentralbl Bakteriol [A]** 1980 Mar;246(3):344–52

[Isolation of Yersinia enterocolitica in the nutria Myocastor coypy (Kerr) in Camargue] Baylet R, et al. **Bull Soc Pathol Exot Filiales** 1980 Jan–Feb;73(1):35–8 **(Fre)**

PARASITOLOGY

Description and life–cycle of Glycyphagus (Myacarus) microti sp. n. (Acarina : Sarcoptiformes : Glycyphagidae) from Microtus pinetorum from New York, U.S.A. Spicka EJ, et al. **Acarologia** 1980 Nov;21(3–4):451–76

The ecology of Colorado tick fever in Rocky Mountain National Park in 1974. II. Infection in small mammals. Bowen GS, et al. **Am J Trop Med Hyg** 1981 Mar; 30(2):490–6

The ecology of Colorado tick fever in Rocky Mountain National Park in 1974. I. Objectives, study design, and summary of principal findings. McLean RG, et al. **Am J Trop Med Hyg** 1981 Mar;30(2):483–9

Reservoir hosts of human babesiosis on Nantucket Island. Spielman A, et al. **Am J Trop Med Hyg** 1981 May; 30(3):560–5

A review on the use of Microtus montanus as an applicable experimental model for the study of African trypanosomiasis. Seed JR, et al. **Ann Soc Belg Med Trop** 1980;60(4):341–8 (26 ref.)

Surveillance of small mammals and their flea–indices in plague endemic area at Boyolali, Central Java, Indonesia. Kusharyono C, et al. **Int J Zoonoses** 1980 Jun;7(1):1–14

Eimeria chihuahuaensis sp.n. and other coccidia from Dipodomys spp. in El Paso County, Texas. Short JA, et al. **J Protozool** 1980 Nov;27(4):361–4

Schistosoma mansoni: host antigen occurrence on worms recovered from laboratory vertebrate animals. Coelho PM, et al. **Parasitology** 1980 Oct;81(2):349–54

Infections with blood parasites in the small British rodents Apodemus sylvaticus, Clethrionomys glareolus and Microtus agrestis. Healing TD. **Parasitology** 1981 Aug; 83(Pt 1):179–89

Leishmaniasis in Tuscany (Italy): (II) Leishmania form wild Bodentia and Carnivora in a human and canine leishmaniasis focus. Bettini S, et al. **Trans R Soc Trop Med Hyg** 1980;74(1):77–83

Dipetalonema viteae (Filarioidea): development of the infective larvae in micropore chambers implanted into normal, infected and immunized jirds. Tanner M, et al. **Trans R Soc Trop Med Hyg** 1981;75(1):173–4

Susceptibility of Kuwaiti rodents and experimental mice to isolates of Leishmania spp. Al–Taqi M, et al. **Trans R Soc Trop Med Hyg** 1981;75(1):133–6

Scanning electron microscope study on larvae of Wuchereria bancrofti from the vector and from experimental rodent hosts. Franz M, et al. **Tropenmed Parasitol** 1980 Sep; 31(3):345–56

The common vole, Microtus arvalis Pall. as intermediate host of Mesocestoides (Cestoda) in Germany. Loos–Frank B. **Z Parasitenkd** 1980;63(2):129–36

[Description of Hepatocystis muuli n. sp., Haemoproteidae, parasite of Sciuridae in Thailand (author's transl)] Landau I, et al. **Ann Parasitol Hum Comp** 1980 Sep–Oct; 55(5):477–84 (Eng. Abstr.) **(Fre)**

[Presence of adiaspores of Emmonsia crescens Emmons and Jellison, 1960, a moniliaceous, aleurioid fungus, in the lungs of small wild mammals in northern Morocco] Boisseau–Lebreuil MT, et al. **Bull Soc Pathol Exot Filiales** 1980 Jan–Feb;73(1):61–6 (Eng. Abstr.) **(Fre)**

[Demonstration of the antifilarial activity of fosfomycin on the filaria Dipetalonema dessetae, Bain, in the rodent Proechimys oris, Thomas] Gayral P, et al. **C R Acad Sci [D] (paris)** 1981 Mar 16;292(11):717–9 (Eng. Abstr.) **(Fre)**

[Blood parasites of small wild mammals in Steiermark and Burgenland] Sebek Z, et al. **Folia Parasitol (Praha)** 1980; 27(4):295–301 (Eng. Abstr.) **(Ger)**

[Natural infection of Calomys laucha by Trypanosoma cruzi] Moretti ER, et al. **Medicina (B Aires)** 1980;40 Suppl 1:181–6 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Circannual renal function and plasma electrolytes of the marmot. Zatzman ML, et al. **Am J Physiol** 1981 Jul; 241(1):R87–91

Male–related pheromones and the activation of female reproduction in the prairie vole (Microtus ochrogaster). Carter CS, et al. **Biol Reprod** 1980 Dec;23(5):1038–45

Altered profiles of estradiol and progesterone associated with prolonged estrous cycles and persistent vaginal cornification in aging C57BL/6J mice. Nelson JF, et al. **Biol Reprod** 1981 May;24(4):784–94

Reproduction in a laboratory colony of bank vole, Clethrionomys glareolus. Gustafsson T, et al. **Can J Zool** 1980 Jun;58(6):1016–21

Adrenal growth during pregnancy in the bank vole, Clethrionomys glareolus: initiation by mating. Gustafsson TO, et al. **Can J Zool** 1980 Aug;58(8):1458–61

Effects of radiotransmitters on the meadow vole, Microtus pennsylvanicus. Webster AB, et al. **Can J Zool** 1980 Jun; 58(6):997–1001

The occurrence of erythropoiesis in the thymus of the bank vole (Clethrionomys glareolus). Kendall MD. **Cell Tissue Res** 1980;212(2):307–14

Protein metabolism and urea recycling in rodent hibernators. Riedesel ML, et al. **Fed Proc** 1980 Oct;39(12):2959–63 (34 ref.)

Acceleration of ovarian follicle maturation of female caused by male in Microtus agrestis and Clethrionomys glareolus. Jemioło B, et al. **Folia Biol (Krakow)** 1980;28(3):269–72

Greater pineal volume at higher latitudes in Rodentia: exponential relationship and its biological interpretation. Quay WB. **Gen Comp Endocrinol** 1980 Jul;41(3):340–8

Pocket gophers and redistribution of plutonium in soil. Winsor TF, et al. **Health Phys** 1980 Aug;39(2):257–62

Clinical assessment of laboratory rodents on long term bioassay studies. Fox JG. **J Environ Pathol Toxicol** 1977 Nov–Dec;1(2):199–226 (136 ref.)

A study of hetero–specific sperm–egg interactions in the rat, mouse, and deer mouse using in vitro fertilization and sperm injection. Thadani VM. **J Exp Zool** 1980 Jun;212(3):435–53

The effect of crowding on the maturation of gonads in pine voles, Microtus pinetorum. Schadler MH. **J Mammal** 1980 Nov;61(4):769–74

Effect of different photoperiods on testicular weight changes in the vole, Microtus agrestis. Grocock CA. **J Reprod Fertil** 1981 May;62(1):25–32

Akodon molinae (Rodentia Cricetidae), a new laboratory animal: breeding, management and reproductive performance. Merani MS, et al. **Lab Anim** 1980 Apr; 14(2):129–31

Efficiency of food utilization during body weight gain in dormice (Glis glis). Melnyk RB, et al. **Physiol Behav** 1980 Jun;24(6):1017–21

Male vole urine changes luteinizing hormone–releasing hormone and norepinephrine in female olfactory bulb. Dluzen DE, et al. **Science** 1981 May 1;212(4494):573–5

Eusociality in a mammal: cooperative breeding in naked mole–rat colonies. Jarvis JU. **Science** 1981 May 1; 212(4494):571–3

Biotic potential of captured chipmunks. Lee W, et al. **Yonsei Med J** 1979;20(2):127–32

URINE

Comparative metabolism of phenothiazine in the rat (Rattus norvegicus), mouse (Mus musculus), hamster (Mesocricetus auratus) and gerbil (Gerbillus gerbillus). Mitchell SC. **Comp Biochem Physiol [C]** 1980;67C(2):199–202

RODS AND CONES

see related

RETINAL PIGMENTS

Cyclic nucleotides of cone–dominant retinas. Reduction of cyclic AMP levels by light and by cone degeneration. Farber DB, et al. **Invest Ophthalmol Vis Sci** 1981 Jan; 20(1):24–31

Phagocytosis of rod outer segments by cultured epithelial cells. Masterson E, et al. **Vision Res** 1981;21(1):143–5

[Fundus flavimaculatus and dystrophy of the cones] Malbrel C, et al. **Bull Soc Ophtalmol Fr** 1979 Nov–Dec; 79(11–12):1099–102 (Eng. Abstr.) **(Fre)**

ABNORMALITIES

An inherited retinopathy in collies. A light and electron microscopic study. Santos–Anderson RM, et al. **Invest Ophthalmol Vis Sci** 1980 Nov;19(11):1281–94

ANALYSIS

The motional properties of rhodopsin and the membrane lipids in bovine rod outer–segment disc membranes. Watts A, et al. **Biochem Soc Trans** 1981 Feb;9(1):150–1

Topography of rhodopsin in retinal rod outer segment disk membranes. Photochemical labeling with 1–azidopyrene. Smith DP, et al. **Biochemistry** 1981 Apr 28;20(9):2417–24

Site of attachment of 11–cis–retinal in bovine rhodopsin. Wang JK, et al. **Biochemistry** 1980 Oct 28;19(22):5111–7

Transbilayer distribution of phospholipids in photoreceptor membrane studied with various phospholipases. Drenthe

EH, et al. **Biochim Biophys Acta** 1980 Dec 2;603(1):117–29

Transbilayer distribution of phospholipids in photoreceptor membrane studied with trinitrobenzenesulfonate alone and in combination with phospholipase D. Drenthe EH, et al. **Biochim Biophys Acta** 1980 Dec 2;603(1):130–41

Transbilayer distribution of phospholipid fatty acyl chains in photoreceptor membrane. Drenthe EH, et al. **Biochim Biophys Acta** 1981 Mar 6;641(2):377–85

Evaluation of the electron density profile of the frog rod outer segment disc–membrane in vivo using x-ray diffraction. Funk J, et al. **Biochim Biophys Acta** 1981 Jan 8;640(1):142–58

Further characterization of the lipid–depleted bovine rhodopsin obtained by cholate–ammonium sulfate fractionation. Makino M, et al. **Biochim Biophys Acta** 1980 Aug 4;600(2):332–42

Distinct states of lipid mobility in bovine rod outer segment membranes. Resolution of spin label results. Watts A, et al. **Biochim Biophys Acta** 1981 May 20;643(3):673–6

Proteins of vertebrate rod outer segments: a possible role for multiple forms of rhodopsin. Fatt P. **Exp Eye Res** 1981 Jul;33(1):31–46

Studies on location of the chromophore in papain–digested rod outer segment membranes. Zagalsky PF, et al. **Exp Eye Res** 1981 May;32(5):627–33

Isolation procedure for bovine retinal rod outer segments. Livrea MA, et al. **Experientia** 1980 Aug 15;36(8):894–5

Retinal rod outer segment lipids form bilayers in the presence and absence of rhodopsin: a 31P NMR study. Deese AJ, et al. **FEBS Lett** 1981 Feb 9;124(1):93–9

The isolation of the green rod pigment of the frog, Rana catesbeiana. Makino M, et al. **FEBS Lett** 1980 Oct 6; 119(2):235–7

Lectin receptors of rods and cones. Visualization by fluorescent label. Bridges CD. **Invest Ophthalmol Vis Sci** 1981 Jan;20(1):8–16

The effect of detergent selection on retinal outer segment A280/A500 ratios. McConnell DG, et al. **J Biol Chem** 1981 May 25;256(10):4913–8

Neutron diffraction analysis of the structure of rod photoreceptor membranes in intact retinas. Yeager M, et al. **J Mol Biol** 1980 Mar 5;137(3):315–48

Visual pigments and colour vision in man and monkeys. Bowmaker JK. **J R Soc Med** 1981 May;74(5):348–56

The chloride effect in chicken red cone receptors. Knowles A. **Vision Res** 1980;20(6):475–83

[The structure of rod disc membrane in retina] Wen YS. **Sheng Li Ko Hsueh Chin Chan** 1980 Mar;11(3):238–42 **(Chi)**

[Study of rhodopsin sulfhydryl groups in the photoreceptor membrane] Kalamkarov GR, et al. **Biofizika** 1980 Jul–Aug; 25(4):634–9 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Actin–dependent cell elongation in teleost retinal rods: requirement for actin filament assembly. O'Connor P, et al. **J Cell Biol** 1981 Jun;89(3):517–24

Genesis of rods in teleost fish retina. Johns PR, et al. **Nature** 1981 Sep 10;293(5828):141–2

Staining of blue–sensitive cones of the macaque retina by a fluorescent dye. DeMonasterio FM, et al. **Science** 1981 Sep 11;213(4513):1278–81

DRUG EFFECTS

Agglutination of isolated rod outer segments by lectins. Bridges CD. **Invest Ophthalmol Vis Sci** 1981 Jan; 20(1):17–23

Sensitivity of photoreceptors to elevated levels of cGMP in the human retina. Ulshafer RJ, et al. **Invest Ophthalmol Vis Sci** 1980 Oct;19(10):1236–41

Influence of calcium on guanosine 3',5'–cyclic monophosphate levels in frog rod outer segments. Polans AS, et al. **J Gen Physiol** 1981 Jan;77(1):41–8

ENZYMOLOGY

Molecular mechanisms of photoreception. IV. Ca2+–inhibited GTPase of rod outer segments of the frog retina. Krapivinsky GB, et al. **Biochim Biophys Acta** 1980 Aug 7;614(2):435–45

Light activation of bovine rod phosphodiesterase by non–physiological visual pigments. Ebrey T, et al. **FEBS Lett** 1980 Jul 28;116(2):217–9

Cyclic GMP–specific, high affinity, noncatalytic binding sites on light–activated phosphodiesterase. Yamazaki A, et al. **J Biol Chem** 1980 Dec 10;255(23):11619–24

Control of the cyclic GMP phosphodiesterase of frog photoreceptor membranes. Robinson PR, et al. **J Gen Physiol** 1980 Nov;76(5):631–45

Calcium flux across disk membranes. Studies with intact rod photoreceptors and purified disks. Szuts EZ. **J Gen Physiol** 1980 Sep;76(3):253–86

Subcellular localization of succinate dehydrogenase in the photoreceptor ellipsoids of the brook trout (Salvelinus fontinalis, Mitchill). Athanassious R, et al. **Mikroskopie** 1980 Sep;36(5–6):175–90

ATP mediates rapid reversal of cyclic GMP phosphodiesterase activation in visual receptor membranes. Liebman PA, et al. **Nature** 1980 Oct 23;287(5784):734–6

[Cytochemical demonstration of the activity of adenylate and guanylate cyclase in retinal photoreceptors with special reference to changes under light or dark adaptation (author's transl)] Toibana M, et al. **Nippon Ganka Gakkai Zasshi** 1980 Aug;84(8):657–66 (Eng. Abstr.) **(Jpn)**

[Light activation of phosphodiesterase and GTPase in vertebrate photoreceptor (author's transl)] Shinozawa T. **Seikagaku** 1980;52(9):976–8 (14 ref.) **(Jpn)**

[Outer retinal rod segment cyclic nucleotide phosphodiesterase; protein inhibitor separation, bimodal effect of GTP] Dumler IL, et al. **Dokl Akad Nauk SSSR** 1980;253(6):1504–8 **(Rus)**

[Protein kinase activity of bovine retina rod outer segments] Fesenko EE, et al. **Mol Biol (Mosk)** 1980 Jul–Aug; 14(4):779–86 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Lectin receptors on rod and cone membranes. Bridges CD, et al. **Photochem Photobiol** 1980 Oct;32(4):481–6

METABOLISM

The decay of metarhodopsin II in cattle rod outer segment membranes: protonation and spectral changes. Bennett N. **Biochem Biophys Res Commun** 1980 Oct 31;96(4):1695–701

Light–induced binding of guanosinetriphosphatase to bovine photoreceptor membranes: effect of limited proteolysis of the membranes. Kühn H, et al. **Biochemistry** 1981 Apr 28; 20(9):2410–7

Rhodopsin–phospholipid interactions: dependence of rate of the meta I to meta II transition on the level of associated disk phospholipid. Litman BJ, et al. **Biochemistry** 1981 Feb 3;20(3):631–4

Metabolism in the cytosol of intact isolated cattle rod outer segments as indicator for cytosolic calcium and magnesium ions. Schnetkamp PP. **Biochemistry** 1981 Apr 28; 20(9):2449–56

Metabolism of phosphatidylethanolamine in the frog retina. Anderson RE, et al. **Biochim Biophys Acta** 1980 Nov 7; 620(2):227–35

Metabolism of phosphatidylinositol in the frog retina. Anderson RE, et al. **Biochim Biophys Acta** 1980 Nov 7; 620(2):236–46

Ion selectivity of the cation transport system of isolated intact cattle rod outer segments: evidence for a direct communication between the rod plasma membrane and the rod disk membranes. Schnetkamp PP. **Biochim Biophys Acta** 1980 May 8;598(1):66–90

Transfer of high–energy phosphate in bovine rod outer segments. A nucleotide buffer system. Schnetkamp PP, et al. **Biochim Biophys Acta** 1981 Feb 5;672(3):307–12

A light scattering study on the ion permeabilities of dark–adapted bovine rod outer segment disk membranes. Uhl R, et al. **Biochim Biophys Acta** 1980 Oct 2; 601(3):462–77

Lateral diffusion of rhodopsin in photoreceptor cells measured by fluorescence photobleaching and recovery. Wey CL, et al. **Biophys J** 1981 Feb;33(2):225–32

Calcium accumulation in intracellular compartments of frog retinal rod photoreceptors. Ungar F, et al. **Brain Res** 1981 Jan 26;205(1):200–6

Optical study of the light–induced protonation changes associated with the metarhodopson II intermediate in rod–outer–segment membranes. Bennett N. **Eur J Biochem** 1980 Oct;111(1):99–103

Effect of taurine on 45CA transport in frog retinal rod outer segments. López–Colomé AM, et al. **Exp Eye Res** 1981 Jun;32(6):771–80

The application of pressure relaxation to the study of the equilibrium between metarhodopsin I and II from bovine retinas. Attwood PV, et al. **FEBS Lett** 1980 Oct 6; 119(2):323–6

Postmortem metabolic capacity of photoreceptor cells in human and rat retinas. Schmidt SY, et al. **Invest Ophthalmol Vis Sci** 1980 Nov;19(11):1274–80

Diffusion of calcium ions in retinal rods. A theoretical calculation. McLaughlin S, et al. **J Gen Physiol** 1981 Apr; 77(4):475–87

The asymmetric transmembrane distribution of phosphatidylethanolamine, phosphatidylserine, and fatty acids of the bovine retinal rod outer segment disk membrane. Miljanich GP, et al. **J Membr Biol** 1981; 60(3):249–55

Rhodopsin regeneration, calcium, and the control of the dark current in vertebrate rods. Albani C, et al. **Photochem Photobiol** 1980 Oct;32(4):515–20

Rhodopsin–phospholipid interaction in detergent and in the disk. Ikai A, et al. **Photochem Photobiol** 1980 Oct; 32(4):455–60

Distribution of enzymes involved in nucleotide metabolism in the disk and other membranes. Shichi H, et al. **Photochem Photobiol** 1980 Oct;32(4):491–5

Co–operation of peripheral and integral membrane proteins in the light dependent activation of rod GTPase and phosphodiesterase. Shinozawa T, et al. **Photochem Photobiol** 1980 Oct;32(4):497–502

Cyclic GMP releases calcium from disc membranes of vertebrate photoreceptors. Cavaggioni A, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3964–8

Flow of information in the light–triggered cyclic nucleotide cascade of vision. Fung BK, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):152–6

Comparative study of 3H–fucose incorporation into vertebrate photoreceptor outer segments. Bunt AH, et al. **Vision Res** 1980;20(9):739–47

[Photodamage of rhodopsin molecule. Oxidation of SH–group] Pogozheva ID, et al. **Biofizika** 1981 May–Jun; 26(3):398–403 (Eng. Abstr.) **(Rus)**

[Oligomerization of integral membrane proteins under lipid peroxidation] Korchagin VP, et al. **Biokhimiia** 1980 Oct; 45(10):1767–72 (Eng. Abstr.) **(Rus)**

[Phosphorylation of endogenous proteins of bovine retina rod outer segments] Fesenko EE, et al. **Mol Biol (Mosk)** 1980 Jul–Aug;14(4):787–94 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Photoreceptor outer segment and retinal pigment epithelium in vitamin E deficient rats. An electron microscopic and electron histochemical study. Amemiya T. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 216(2):103–9

Aging and degeneration of the human macula. 1. Outer nuclear layer and photoreceptors. Gartner S, et al. **Br J Ophthalmol** 1981 Jan;65(1):23–8

Damage to the monkey retina by broad–spectrum fluorescent light. Sykes SM, et al. **Invest Ophthalmol Vis Sci** 1981 Apr; 20(4):425–34

PHYSIOLOGY

Permeability to ions of bovine retinal disk membrane vesicles in the bleached state. Amis EJ, et al. **Biochim Biophys Acta** 1981 Jun 22;644(2):201–10

Dynamic kerr effect measurements on photoreceptor disk membrane vesicles. Takezoe H, et al. **Biophys Chem** 1981 Feb;13(1):49–54

Light–induced interfacial potentials in photoreceptor membranes. Cafiso DS, et al. **Biophys J** 1980 May; 30(2):243–63

Structural interpretation of the birefringence gradient in retinal rod outer segments. Corless JM, et al. **Biophys J** 1979 Jun;26(3):543–56

Cyanine dye measurement of a light–induced transient membrane potential associated with the metarhodopsin II intermediate in rod–outer–segment membranes. Bennett N, et al. **Eur J Biochem** 1980 Oct;111(1):105–10

The size and shape of rod and cone centres of cat retinal ganglion cells. Ahmed B. **Exp Brain Res** 1981;43(3–4):422–8

Rod and cone disc shedding in the rhesus monkey retina: a quantitative study. Anderson DH, et al. **Exp Eye Res** 1980 May;30(5):559–74

Rod and cone disc shedding in light–entrained tree squirrels. Tabor GA, et al. **Exp Eye Res** 1980 May;30(5):545–57

Animal rhodopsin as a photogenerator of an electric potential that increases photoreceptor membrane permeability. Drachev LA, et al. **FEBS Lett** 1980 Sep 22;119(1):125–31

Cone difference signal in foveal local electroretinogram of primate. Baron WS. **Invest Ophthalmol Vis Sci** 1980 Dec; 19(12):1442–8

RCS rat macrophages exhibit normal ROS phagocytosis. Gery I, et al. **Invest Ophthalmol Vis Sci** 1981 May; 20(5):675–9

The role of ambient lighting in circadian disc shedding in the rod outer segment of the rat retina. Goldman AI, et al. **Invest Ophthalmol Vis Sci** 1980 Nov;19(11):1257–67

Circadian rhythms in teleost retinomotor movement. A comparison of the effects of circadian rhythm and light condition on cone length. Levinson G, et al. **Invest Ophthalmol Vis Sci** 1981 Mar;20(3):294–303

Pigment epithelial cells in culture. Metabolic pathways required for phagocytosis. Masterson E, et al. **Invest Ophthalmol Vis Sci** 1981 Jan;20(1):1–7

Evidence for both local and central regulation of rat rod outer segment disc shedding. Teirstein PS, et al. **Invest Ophthalmol Vis Sci** 1980 Nov;19(11):1268–73

The effect of age on human cone and rod ganzfeld electroretinograms. Weleber RG. **Invest Ophthalmol Vis Sci** 1981 Mar;20(3):392–9

Feed–back modulation of cone synapses by L–horizontal cells of turtle retina. Gerschenfeld HM, et al. **J Exp Biol** 1980 Dec;89:177–92

Equations for chromatic discrimination models. Boynton RM, et al. **J Opt Soc Am** 1980 Dec;70(12):1471–6

Apodization model of the Stiles–Crawford effect. Carroll JP. **J Opt Soc Am** 1980 Sep;70(9):1155–6

Millimeter–wave model of a foveal receptor. de Groot PJ, et al. **J Opt Soc Am** 1980 Dec;70(12):1436–52

Rod–cone interaction in the dark–adapted fovea. Drum B. **J Opt Soc Am** 1981 Jan;71(1):71–4

Blue–sensitive cones do not contribute to luminance. Eisner A, et al. **J Opt Soc Am** 1980 Jan;70(1):121–3

Flicker photometric study of chromatic adaption: selective suppression of cone inputs by colored backgrounds. Eisner A, et al. **J Opt Soc Am** 1981 Jun;71(6):705–17

Stiles's II5 color mechanism: tests of field displacement and field additivity properties. Sigel C, et al. **J Opt Soc Am** 1980 Jan;70(1):71–81

Extrafoveal spectral sensitivity during dark adaptation. Stabell B, et al. **J Opt Soc Am** 1980 Jan;70(1):81–6

Absolute spectral sensitivity at different eccentricities. Stabell B, et al. **J Opt Soc Am** 1981 Jul;71(7):836–40

Spectral sensitivity of the dark–adapted extrafoveal retina at photopic intensities. Stabell U, et al. **J Opt Soc Am** 1981 Jul;71(7):841–4

Behaviour of the rod network in the tiger salamander retina

mediated by membrane properties of individual rods. Attwell D, et al. **J Physiol (Lond)** 1980 Dec;309:287–315
Two components of electrical dark noise in toad retinal rod outer segments. Baylor DA, et al. **J Physiol (Lond)** 1980 Dec;309:591–621
Electrical responses and photopigments of twin cones in the retina of the walleye. Burkhardt DA, et al. **J Physiol (Lond)** 1980 Dec;309:215–28
Effects of changing external potassium and chloride concentrations on the photoresponses of Bufo bufo rods. Capovilla M, et al. **J Physiol (Lond)** 1980 Oct;307:529–51
Current–voltage relations in the rod photoreceptor network of the turtle retina. Copenhagen DR, et al. **J Physiol (Lond)** 1980 Nov;308:159–84
Calcium spikes in toad rods. Fain GL, et al. **J Physiol (Lond)** 1980 Jun;303:495–513
The effects of tetraethylammonium and cobalt ions on responses to extrinsic current in toad rods. Fain GL, et al. **J Physiol (Lond)** 1980 Jun;303:515–33
Effects of bleaching and backgrounds on the flash response of the cone system. Geisler WS. **J Physiol (Lond)** 1981 Mar;312:413–34
Longitudinal spread of adaptation in the rods of the frog's retina. Hemilä S, et al. **J Physiol (Lond)** 1981 Jan; 310:501–28
Synaptic action mediating cone responses to annular illumination in the retina of the larval tiger salamander. Lasansky A. **J Physiol (Lond)** 1981 Jan;310:205–14
Modeling of the vertebrate visual system. II. Application to the turtle cone retina. Siminoff R. **J Theor Biol** 1980 Nov 21;87(2):307–47
Photon-like signals following weak rhodopsin bleaches. Ashmore JF, et al. **Nature** 1981 Feb 5;289(5797):489–91
Behavioural and microspectro–photometric measurements of colour vision in monkeys. Jacobs GH, et al. **Nature** 1981 Aug 6;292(5823):541–3
Spontaneous quantal events induced in toad rods by pigment bleaching. Lamb TD. **Nature** 1980 Sep 25;287(5780):349–51
Light–induced changes in membrane current in cone outer segments of tiger salamander and turtle. Schnapf JL, et al. **Nature** 1980 Sep 18;287(5779):239–41
Effect of ions on the light–sensitive current in retinal rods. Yau KW, et al. **Nature** 1981 Aug 6;292(5823):502–5
Fourier analysis differences of flicker human ERG responses among the rod, the blue and the red–green systems. Kobayashi Y, et al. **Nippon Ganka Gakkai Zasshi** 1981 Feb; 85(2):175–8
Relation of brightness to threshold for light–adapted and dark–adapted rods and cones: effects of retinal eccentricity and target size. Drum B. **Perception** 1980;9(6):633–50
Rod–cone interaction in the distal human retina. Sandberg MA, et al. **Science** 1981 May 15;212(4496):829–31
Photoreceptor outer segment renewal. Halliwell TJ. **Trans Ophthalmol Soc NZ** 1980;32:79–81
Surround configuration and cone dark adaptation. Ambrose JM, et al. **Vision Res** 1980;20(10):883–90
A functional test of foveal fixation based upon differential cone directional sensitivity. Bedell HE. **Vision Res** 1980; 20(6):557–60
Visual receptor pigments in the African cichlid fish, Haplochromis burtoni. Fernald RD, et al. **Vision Res** 1980; 20(10):857–64
Cone system saturation: more than one stage of sensitivity loss. Finkelstein MA, et al. **Vision Res** 1981;21(3):319–28
Increment threshold and detection latency in the rod and cone systems. Geisler WS. **Vision Res** 1980;20(11):981–94
Artificial cone responses: a computer–driven hardware model. Vallerga S, et al. **Vision Res** 1980;20(5):453–7
A temporal analogue of MacAdam ellipses. Description of rod–cone interaction. van den Berg TJ, et al. **Vision Res** 1980;20(9):767–70
Detection of long–duration, long–wavelength incremental flashes by a chromatically coded pathway. Wandell BA, et al. **Vision Res** 1980;20(7):625–36
A field–additive pathway detects brief–duration, long–wavelength incremental flashes. Wandell BA, et al. **Vision Res** 1980;20(7):613–24
Temporal modulation sensitivity of the blue mechanism: measurements made without chromatic adaptation. Wisowaty JJ, et al. **Vision Res** 1980;20(11):895–909
Rod and cone components in the electroretinogram of the horse. Wouters L, et al. **Zentralbl Veterinaermed [A]** 1980 Jun;27(4):330–8
[Analysis of rapid off–response in electroretinogram major participation of receptor potential (author's transl)] Kawasaki K, et al. **Nippon Ganka Gakkai Zasshi** 1980 Oct 10;84(10):1574–80 (Eng. Abstr.) **(Jpn)**
[Effects of transretinal electric current on the electroretinogram. (VII) Enhancement and suppression of cone potential (author's transl)] Kawasaki K, et al. **Nippon Ganka Gakkai Zasshi** 1980 Jun 10;84(6):496–501 (Eng. Abstr.) **(Jpn)**
[Fourier analysis of flicker ERG response. III. The differences on Fourier analysis in flicker ERG responses between the rod and the red, green systems (author's transl)] Kobayashi Y. **Nippon Ganka Gakkai Zasshi** 1980 Oct 10;84(10):1581–90 (Eng. Abstr.) **(Jpn)**
[Fourier analysis of flicker ERG response. II. The differences on Fourier analysis in flicker ERG responses between the blue and the red, green systems (author's transl)] Kobayashi Y. **Nippon Ganka Gakkai Zasshi** 1980 Jul 10;84(7):617–24 (Eng. Abstr.) **(Jpn)**
[Rod outer segment shedding and phagocytosis in the developing rat retina. Effect of the continuous light (author's transl)] Tamai M, et al. **Nippon Ganka Gakkai Zasshi** 1980 Aug;84(8):649–52 (Eng. Abstr.) **(Jpn)**
[Studies on cone dark adaptation function. (1) Analysis of normal eyes (author's transl)] Yasuma T, et al. **Nippon Ganka Gakkai Zasshi** 1980 Nov 10;84(11):1963–71 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Application of twin flash stimuli for some mascular diseases isolation of local responses by twin flashes. Mitsuyu M, et al. **Acta Ophthalmol (Copenh)** 1980 Oct;58(5):688–96
Cone pigments in acute posterior multifocal placoid pigment epitheliopathy. Hansen RM, et al. **Am J Ophthalmol** 1981 Apr;91(4):465–8
An apparent failure of the photoreceptor alignment mechanism in a human observer. Bedell HE, et al. **Arch Ophthalmol** 1980 Nov;98(11):2023–6
Retinal degeneration in cats fed casein. IV. The early receptor potential. Berson EL, et al. **Invest Ophthalmol Vis Sci** 1981 Aug;21(2):345–50
X–linked retinitis pigmentosa: reduced rod flicker sensitivity in heterozygous females. Ernst W, et al. **Invest Ophthalmol Vis Sci** 1981 Jun;20(6):812–6
Four cone pigments in women heterozygous for color deficiency. Nagy AL, et al. **J Opt Soc Am** 1981 Jun; 71(6):719–22
[The early receptor potential in human eyes. II. ERP in dichromats (author's transl)] Okamoto M, et al. **Nippon Ganka Gakkai Zasshi** 1981;85(4):296–9 (Eng. Abstr.) **(Jpn)**

RADIATION EFFECTS

Interaction of 8–amino–1–naphthalenesulfonate with rod outer segment membrane. Andley UP, et al. **Biochemistry** 1981 Mar 17;20(6):1687–93
Light–enhanced cross–linking of rhodopsin in rod outer segment membranes as detected by chemical probes. Shaw A, et al. **Biochim Biophys Acta** 1980 Dec 12;603(2):313–21
Rhodopsin photoenergetics: lumirhodopsin and the complete energy profile. Cooper A. **FEBS Lett** 1981 Jan 26; 123(2):324–6
Light–evoked disc shedding by rod photoreceptors in vitro: relationship to medium bicarbonate concentration. Besharse C, et al. **Invest Ophthalmol Vis Sci** 1980 Dec;19(12):1512–7
The regeneration of visual pigments and the change of rod hypersensitivity after irradiation by bleaching light in frog retina. Azuma K, et al. **Photochem Photobiol** 1980 Oct; 32(4):529–38
Scanning electron microscopic study of the damages induced by continuous illumination on the eye of albino rat II. The photoreceptors. Puzzolo D, et al. **Riv Biol** 1980; 73(2):191–204 **(Eng, Ita)**
Possible mechanisms of photoreceptor damage by light in mammalian eyes. Noell WK. **Vision Res** 1980; 20(12):1163–71
Differential spectral photic damage to primate cones. Sperling HG, et al. **Vision Res** 1980;20(12):1117–25
[Release of calcium ions from native outer segments rods after partial rhodopsin bleaching] Shevchenko TF, et al. **Biofizika** 1981 Mar–Apr;26(2):284–7 (Eng. Abstr.) **(Rus)**

SECRETION

Light–induced calcium release by intact retinal rods. Gold GH, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5557–61

ULTRASTRUCTURE

Structure of retinal photoreceptor membranes as seen by freeze–fracturing. Röhlich P. **Acta Histochem [Suppl] (Jena)** 1981;23:123–36
Specialized intramembrane organizations of the cone presynaptic membrane in the pigeon retina. Freeze–fracture study. Matsumura M, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 214(2):89–100
The ultrastructure of monkey foveal photoreceptors, with special reference to the structure, shape, size, and spacing of the foveal cones. Borwein B, et al. **Am J Anat** 1980 Oct;159(2):125–46
Complementary freeze fracture methods applied to cattle disk membranes. Tonosaki A, et al. **Arch Histol Jpn** 1980 May; 43(2):115–26
Evidence that a light–accelerated abrupt change in membrane characteristics of bovine rod outer segment fragments takes place in acidic pH. Watanabe M, et al. **Biochem Biophys Res Commun** 1980 Aug 14;95(3):1119–25
Isolation of rhodopsin by the combined action of cardiotoxin and phospholipase A2 on rod outer segment membranes. Rivas EA, et al. **Biochim Biophys Acta** 1981 Jun 9; 644(1):127–33
Clasping structure in the double cone of the retina of the turtle (Gyoclemys reevesii). Nishimura Y, et al. **Cell Tissue Res** 1980;209(3):391–8
Junction–like structure appearing at apposing membranes in the double cone of chick retina. Nishimura Y, et al. **Cell Tissue Res** 1981;218(1):113–6
Freeze–fracture studies of the structure of rod outer segment membranes: new observations regarding the distribution of particle–free patches and the location of the fracture planes in conventionally prepared retinas. Andrews LD, et al. **Exp Eye Res** 1981 Jul;33(1):1–10
Freeze–fracture study of vesicle disruption and inversion in isolated bovine rod outer segment disks. Barry DT, et al. **Exp Eye Res** 1980 May;30(5):501–10
Paracrystalline inclusions associated with the disk membranes of frog retinal rod outer segments. Corless JM, et al. **Exp Eye Res** 1981 Feb;32(2):217–28
Cone mosaics in a teleost retina: changes during light and dark adaptation. Kunz YW. **Experientia** 1980 Dec 15; 36(12):1371–4
Analysis of membrane bilayer asymmetry using parinaric acid fluorescent probes. Sklar LA, et al. **FEBS Lett** 1980 Sep 8;118(2):308–10
Membrane assembly in retinal photoreceptors I. Freeze–fracture analysis of cytoplasmic vesicles in relationship to disc assembly. Besharse JC, et al. **J Cell Biol** 1980 NOV;87(2 Pt 1):451–63
Rod and cone inputs to bipolar cells in goldfish retina. Ishida AT, et al. **J Comp Neurol** 1980 Jun;191(3):315–35
A diffuse, invaginating cone bipolar cell in primate retina. Mariani AP. **J Comp Neurol** 1981 Apr 20;197(4):661–71
Clasping structure in the double cone of the retina in vertebrates. Nishimura Y, et al. **J Electron Microsc (Tokyo)** 1980;29(4):403–5
Light–dependent plasticity of the morphology of horizontal cell terminals in cone pedicles of fish retinas. Wagner HJ. **J Neurocytol** 1980 Oct;9(5):573–90
[Damage and recovery of visual cells after experimental choroidal circulatory disturbance. I. Degenerative changes in early stage (author's transl)] Miki K, et al. **Nippon Ganka Gakkai Zasshi** 1980 Aug;84(8):939–52 (Eng. Abstr.) **(Jpn)**

ROENTGENKYMOGRAPHY see **ELECTROKYMOGRAPHY**

ROENTGENOGRAPHY see **RADIOGRAPHY**

ROGERIAN THERAPY see **NONDIRECTIVE THERAPY**

ROLE

The interrelationship between the family–structure and outcome of schizophrenia. Kézdi B. **Act Nerv Super (Praha)** 1979 Jul;Suppl 2:381–2
The evolving role of interventional radiologists [editorial] Ring EJ, et al. **AJR** 1980 Oct;135(4):870–1
Physicians and health planning. Johnson DE. **Alaska Med** 1980 Nov–Dec;22(6):92–3
The family physician and nursing home care. Pattee JJ. **Am Fam Physician** 1980 Nov;22(5):137–41
Task force 4: The physician in the hospital. Gillespie L Jr, et al. **Am J Cardiol** 1981 Mar;47(3):766–9
Absence of indicators of the influence of its physicians on a society's health; impact of physician care on society. McDermott W. **Am J Med** 1981 Apr;70(4):833–43
A change process for prison health nursing. Little L. **Am J Nurs** 1981 Apr;81(4):739–42
The role of the volunteer practicing physician in medical education. Presidential address. Fox LP. **Am J Obstet Gynecol** 1981 May 15;140(2):117–22
The remediation of role disorders through focused group work. Versluys HP. **Am J Occup Ther** 1980 Sep; 34(9):609–14
Presidential address. Nugatory patient selectivity. Tuell SW. **Am J Surg** 1981 May;141(5):520–1
The patient's role in clinical decision–making. Brody DS. **Ann Intern Med** 1980 Nov;93(5):718–22
The psychiatrist's perspective: two images of the patient. Leibow D. **Ann NY Acad Sci** 1981;368:123–7
The doctor and the police. Bush JP. **Aust Fam Physician** 1980 Jun;9(6):442–4
The surgeon as medical practitioner: an historical appreciation of the role of surgery in the corpus medicum. Richardson JP. **Aust NZ J Surg** 1980 Oct;50(5):550–5
The physician's determination of personnel reliability in sensitive occupations. Kentsmith DK. **Aviat Space Environ Med** 1981 Jan;52(1):45–9
The Adolphe Abrahams Memorial Lecture. Sports medicine in crisis. Prokop L. **Br J Sports Med** 1980 Jul;14(2–3):80–3
Following up patients with rheumatoid arthritis [letter] Binnie GA. **Br Med J** 1980 Sep 13;281(6242):745–6
Contraception and the under–16s [letter] Rogers A. **Br Med J** 1980 Aug 16;281(6238):521
Should doctors be budget holders? Bartlett JR, et al. **Br Med J [Clin Res]** 1981 Aug 8;283(6288):450–1, 454
On fathering (the nature and functions of the father role). Part I. Acquiring an understanding of the father role. Henderson J. **Can J Psychiatry** 1980 Aug;25(5):403–12
On fathering (the nature and functions of the father role). Part II: Conceptualization of fathering. Henderson J. **Can J Psychiatry** 1980 Aug;25(5):413–31
The changing role of the Canadian physician in the Third World. Carpenter P. **Can Med Assoc J** 1981 Mar 1; 124(5):610–22
Role of the family physician in the management of psychologic crises in children and their families. Dickman DL, et al. **Can Med Assoc J** 1981 Jun 15;124(12):1566–70
Sex education: the physician's role [letter] Murray AB. **Can Med Assoc J** 1981 Apr 1;124(7):851, 854

The law on cardiovascular devices: the role of the Food and Drug Administration and physicians in its implementation. Rahimtoola SH, et al. **Circulation** 1980 Nov;62(5):919–24

Parents of the handicapped as consumers: some thoughts for physicians. Berry JO. **Clin Pediatr (Phila)** 1981 May; 20(5):363

The role of the physician in the grief process. Lorenzen M, et al. **Clin Pediatr (Phila)** 1981 Jul;20(7):466–70

Medical grand rounds: Yale University School of Medicine. Diseases of the workplace: the clinician's role. Cullen MR, et al. **Conn Med** 1981 Jun;45(6):363–9

Criteria for determining that death has occurred: II. Healey JM. **Conn Med** 1981 Apr;45(4):265

Connecticut physician's role in preventing dental caries. Tinanoff N, et al. **Conn Med** 1981 Mar;45(3):141–3

Why physicians should worry about cost. Todd JS. **Conn Med** 1980 Oct;44(10):661–4

On taking care of people. South MA. **Cutis** 1981 Jul;28(1):27, 36

Administering educational services for the handicapped: role expectations and perceptions. Robson DL. **Except Child** 1981 Feb;47(5):377–8

Role expectations of parents of intellectually handicapped children. Strom R, et al. **Except Child** 1980 OCT; 47(2):144–7

The sex–counseling role of the cancer clinician. Adams GK. **Front Radiat Ther Oncol** 1979;14:66–78

Reviewing the reviews: a note. The portrayal of the elderly in films and reviews. Butsch R, et al. **Gerontologist** 1980 Oct;20(5 Pt 1):602–3

Family wishes and patient autonomy. Youngner SJ, et al. **Hastings Cent Rep** 1980 Oct;10(5):21–2

Physician participation in a teaching hospital's planning: the English experience. Larson JG. **Health Care Manage Rev** 1980 Winter;5(1):69–75

Role expectations of social workers and other health professionals. Lister L. **Health Soc Work** 1980 May; 5(2):41–9

The social worker's role: a study of private and voluntary hospitals. Adelson G, et al. **Hosp Community Psychiatry** 1980 Nov;31(11):776–80

The doctor and the media. Byrne A. **Ir Med J** 1980 Aug; 73(8):292–4

The doctor and the media. Mitchell D. **Ir Med J** 1980 Aug; 73(8):289–91

A study of the nurse tutor's role. Sheahan J. **J Adv Nurs** 1981 Mar;6(2):125–35

The initial phase of role delineation for health education: a summary report. Henderson AC, et al. **J Am Coll Health Assoc** 1980 Dec;29(3):119–23

The A.D.A. role delineation for the field of clinical dietetics: 1. Philosophical overview and historical background. Baird SC, et al. **J Am Diet Assoc** 1981 Apr;78(4):370–4

The A.D.A. role delineation for the field of clinical dietetics: 2. Methodology and summary of results. Baird SC, et al. **J Am Diet Assoc** 1981 Apr;78(4):374–82

Rationing of medical care and the preservation of clinical judgment. Mechanic D. **J Fam Pract** 1980 Sep;11(3):431–3

To be a doctor. Custis DL. **J Fla Med Assoc** 1980 Aug; 67(8):763–5

Community service by physicians. Mullen SA. **J Fla Med Assoc** 1981 Jun;68(6):413

The impact of role loss upon coping resources and life satisfaction of the elderly. Elwell F, et al. **J Gerontol** 1981 Mar;36(2):223–32

Physician at the scene (an intervener). Emergency medicine. Johnson JC. **J Indiana State Med Assoc** 1981 Aug; 74(8):504–5

Physician involvement in health planning—1981. Tyrrell JE. **J Iowa Med Soc** 1981 May;71(5):200–4

Preparticipation evaluation for school athletic programs. Hirsch PJ, et al. **J Med Soc NJ** 1981 Aug;78(9):585–90

Some dynamics of medical marriages. Nelson SB. **J R Coll Gen Pract [Occas Pap]** 1980 May;(10):34–5

Surgeon's role in breast cancer management [letter] Eke N. **J R Soc Med** 1981 Apr;74(4):319

The pathologist's role in a multidisciplinary approach for soft part tissue sarcoma: a reappraisal (39 cases). Mandard AM, et al. **J Surg Oncol** 1981;17(1):69–81

The medical profession and dealing with death. Atkinson ER. **J Tenn Med Assoc** 1980 AUG;73(8):573–4

Physician–supervised exercise programs in rehabilitation of patients with coronary heart disease. Council on Scientific Affairs. **JAMA** 1981 Apr 10;245(14):1463–6

Preventing the last epidemic [editorial] Hiatt HH. **JAMA** 1980 Nov 21;244(20):2314–5

Ethical dilemmas in the care of the ill. I. What is the physician's service? Kass LR. **JAMA** 1980 Oct 17; 244(16):1811–6

Simple gifts. Southgate MT. **JAMA** 1981 May 1; 245(17):1733–5

The role of the primary care physician in rural mental health. Richards DM. **JAOA** 1981 Feb;80(6):419–23

Nurses in the primary care team [letter] Bowling A. **Lancet** 1980 Sep 13;2(8194):590

The medicine of nuclear warfare. A clinical dead–end. Eastwood M. **Lancet** 1981 Jun 6;1(8232):1252–3

Doctors and the Brandt report. Loraine JA. **Lancet** 1981 Jun 20;1(8234):1356–8

Choosing when to die and how [letter] Twycross RG. **Lancet** 1980 Sep 20;2(8195 pt 1):645

Aequanimitas revisited: personal and professional styles of physicians. Dearing B. **Man Med** 1980;5(2):139–48

Children's health care and the changing role of women. Carpenter ES. **Med Care** 1980 Dec;18(12):1208–18

In defence of psychiatrists. Ellard J. **Med J Aust** 1980 Dec 27;2(13):699–701

Dean's lecture at Clinical School of Medicine Christchurch, New Zealand. Sandford K. **Med Leg J** 1980;48(4):129–33

The Inner North London Study into sudden death in infants—the role of the coroner. Chambers DR. **Med Sci Law** 1981 Apr;21(2):121–2

The role of the pathologist in the investigation of unexpected death in infancy (cot death). Vanezis P. **Med Sci Law** 1981 Apr;21(2):119–20

The physician's liability for gratuitous advice. Stevens GE. **Med Trial Tech Q** 1980 Summer;27(1):99–109

Training teachers as facilitators of mental health: 'Psychotherapy of the Role'. Osterweil ZO, et al. **Ment Health Soc** 1978;5(5–6):330–8

Physicians' attitudes toward discretionary medical treatment of Down's syndrome infants. Affleck GG. **Ment Retard** 1980 Apr;18(2):79–81

Physicians affiliating with Michigan HMOs generally report favorable experiences. Angell D. **Mich Med** 1980 Dec; 79(35):643–4

Limits of PSROs' success determined by physicians' leadership. Fall DJ. **Mich Med** 1981 Mar;80(8):102

The Michigan hospice MD. McMahon E. **Mich Med** 1981 Apr;80(11):180

The Role of the primary physician in the health–care 'industry'. Almy TP. **N Engl J Med** 1981 Jan 22; 304(4):225–8

The nuclear–arms race and the physician. Lown B, et al. **N Engl J Med** 1981 Mar 19;304(12):726–9

Healers. Oppenheim M. **N Engl J Med** 1980 Nov 6; 303(19):1117–20

A theory of drug dependence based on role, access to, and attitudes toward drugs. Winick C. **Natl Inst Drug Abuse Res Monogr Ser** 1980 Mar;(30):225–35

The physician and spouse, physician, know thyself–and thy mate. Wilson WP, et al. **NC Med J** 1981 Feb;42(2):106–9

Territorial issues in an interdisciplinary experience. Balassone PD. **Nurs Outlook** 1981 Apr;29(4):229–32

Symbolic acts and the development of a professional identity. Gendron D. **Nurs Outlook** 1981 Jan;29(1):31–4

In defense of the traditional nurse. Newton LH. **Nurs Outlook** 1981 Jun;29(6):348–54

Nursing in the future. Schlotfeldt RM. **Nurs Outlook** 1981 May;29(5):295–301

The women's movement and the nurse practitioner's sense of role. Simmons RS, et al. **Nurs Outlook** 1981 Jun; 29(6):371–5

Stress, social support, and the transition to fatherhood. Cronenwett LR, et al. **Nurs Res** 1981 Jul–Aug; 30(4):196–201

A theoretical framework for studying factors that impact on the maternal role. Mercer RT. **Nurs Res** 1981 Mar–Apr; 30(2):73–7 (56 ref.)

The Nurse Practitioner Rating Form. Part I: Conceptual development and potential uses. Prescott PA, et al. **Nurs Res** 1981 Jul–Aug;30(4):223–8

Sex–role identity and image of nursing of females at two levels of baccalaureate nursing education. Till TS. **Nurs Res** 1980 Sep–Oct;29(5):295–300

Responsibility charting. Edmunds M. **Nurse Pract** 1981 Jan–Feb;6(1):39–41, 47–9

Non clinical problems: nurse practitioner–physician competition. Edmunds M. **Nurse Pract** 1981 Mar–Apr; 6(2):47–9, 53–4

Can physicians influence life style? Brill H. **NY State J Med** 1980 Aug;80(9):1414–6

Physician's role in highway safety. Physician reporting: a national perspective. Gregory DR. **NY State J Med** 1980 Dec;80(13):1984–7

Controlling unwarranted medical absenteeism. Strasser AL. **Occup Health Saf** 1981 Jul;50(7):13, 16–7

The 1980's physician (Part II): from patient advocate to health–care captain [interview] Blackwell RD. **Ohio State Med J** 1980 Sep;76(9):542–4

Health planning—should physicians get involved? Edwards KS. **Ohio State Med J** 1981 Mar;77(3):136–7

Federal Advisory committees—the ophthalmologist's role. Reinecke RD. **Ophthalmology (Rochester)** 1980 Aug; 87(8):766–8

Children of divorce: the pediatrician's responsibility. Kappelman MM, et al. **Pediatr Ann** 1980 Sep;9(9):48–64

Dimensions of role conflict and relationships with individual outcomes. Batlis NC. **Percept Mot Skills** 1980 Aug; 51(1):179–85

The role of subspecialists in primary medical care. Sigel L, et al. **Perspect Biol Med** 1980 Autumn;24(1):122–8

Health Promotion: can it succeed in the office? [editorial] Taylor RB. **Prev Med** 1981 Mar;10(2):258–62

Role of the primary physician in the detection and treatment of gynecologic cancer. Fuller AF Jr. **Primary Care** 1981 Mar;8(1):111–29

The social structure of the medical model of madness and the physician's role. Fernandez G. **Psychiatry** 1981 Aug; 44(3):241–52

Social adjustment as a criterion of treatment success: just what are we measuring? Platt S. **Psychiatry** 1981 May; 44(2):95–112

Managing alcoholic medical patients: the psychiatrist's role. Alexopoulos GS, et al. **Psychosomatics** 1981 Jul; 22(7):598–605

Mental health and primary medical care. **Publ Group Adv Psychiatry** 1980 Jun;10(105):699–775

A re–examination of the role of the community physician. Eskin F. **Public Health** 1980 Sep;94(5):301–5

Predicting school nurse involvement in meeting sexuality related needs of youth in New Jersey. Gorosh VA. **Public Health Rep** 1981 Jul–Aug;96(4):363–8

Education of handicapped children. The physician has an important role and responsibility in this education. Pueschel SM, et al. **RI Med J** 1980 Aug;63(8):295–7

Unwanted pregnancy—the role of the general practitioner. Furman S. **S Afr Med J** 1980 Dec 6;58(23):941–2

Professionalism and community responsibility. Maddison D. **Soc Sci Med [Med Psychol Med Sociol]** 1980 Mar; 14(2):91–6

Social roles and health status among women: the significance of employment. Nathanson CA. **Soc Sci Med [Med Psychol Med Sociol]** 1980 Dec; 14A(6):463–71

Physician and society. A study of people's perception of the social role of physicians in a region of Yugoslavia. Novosel M, et al. **Soc Sci Med [Med Psychol Med Sociol]** 1979 Jan; 13(1):73–80

Physicians' control of the health sector: professional values and economic interests. Findings from the Honduran health system. Ugalde A. **Soc Sci Med [Med Psychol Med Sociol]** 1980 Oct; 14A(5):435–44

Limited health practitioners—when should the physician be called? Wilcox DP. **Tex Med** 1980 Nov;76(11):66–7

The physician's responsibility in cost containment. Nesbitt TE. **Trans Assoc Life Insur Med Dir Am** 1979;62:99–105

Primary health care at the community level: the involvement of the doctor [letter] Bollag U. **Trop Doct** 1981 Apr; 11(2):92–3

'PSRO is not a government agency. It is the medical profession'. Morton RA. **Va Med** 1981 Jul;108(7):493–5

Croaker's dilemma—should prison physicians serve prisons or prisoners? Thorburn KM. **West J Med** 1981 May; 134(5):457–61

The physician's role in school physical therapy/occupational therapy. Tenney HK 3d. **Wis Med J** 1981 Jun;81(6):43–4

[The physician's responsibility in the fight against leprosy in Guadeloupe] Millan J. **Acta Leprol (Geneve)** 1980 Aug–Oct;(80):1–4 **(Fre)**

[The liaison psychiatrist in the general hospital] Alby JM, et al. **Ann Med Psychol (Paris)** 1980 Jun;138(6):754–63 **(Fre)**

[The role of the paediatrician in childhood accident prevention (author's transl)] Jackson RH. **Arch Fr Pediatr** 1980 Jan;37(1):61–3 (Eng. Abstr.) **(Fre)**

[How is the physician perceived and how do practitioners believe they are perceived?] d'Houtaud A, et al. **Cah Sociol Demogr Med** 1980 Oct–Dec;20(4):182–91 **(Fre)**

[A Belgian doctor's time schedule today and in the future] Leroy X, et al. **Cah Sociol Demogr Med** 1979 Oct–Dec; 19(4):92–9 **(Fre)**

[The important role of the pathologist in the detection and prevention of diseases (news)] Dupard F. **Nouv Presse Med** 1980 Oct 11;9(37):2692 **(Fre)**

[The place of ophthalmological examinations in medical prevention] Rosselet E. **Rev Med Suisse Romande** 1980 Jun; 100(6):487–8 **(Fre)**

[The medical profession at the crossroads] Genest J. **Union Med Can** 1981 Apr;110(4):369–72 **(Fre)**

[Dental caries and the physician's role] Trottier J. **Union Med Can** 1980 Jun;109(6):821–3, 826 (Eng. Abstr.) **(Fre)**

[Challenge of the physician in the intensive care unit] Henke P. **Fortschr Med** 1980 Dec 18;98(47–48):1841–4 (Eng. Abstr.) **(Ger)**

[The physician as witness to life] Schipperges H. **Gesnerus** 1981;38(1–2):105–18 (Eng. Abstr.) **(Ger)**

[Child abuse from the physician's viewpoint] Trube–Becker E. **Med Klin** 1980 Aug 1;75(16):563 **(Ger)**

[The physician and health education] Kissel D. **MMW** 1981 Feb 13;123(7):61, 64–6 **(Ger)**

[Public health medical officers in Austria. Demographic analysis and requirement figures (author's transl)] Flamm H, et al. **Oeff Gesundheitswes** 1980 Nov;42(11):902–6 (Eng. Abstr.) **(Ger)**

[Social roles in symbiotic psychoses] Otto KR, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Mar; 33(3):167–74 (Eng. Abstr.) **(Ger)**

[The physician's part in occupational counseling (with special reference to adolescents with limited capabilities)] Gebert P. **Z Aerztl Fortbild (Jena)** 1980 Jan 1;74(1):30–4 **(Ger)**

[The role of the physician in public health education, especially with adolescents] Goldberg J. **Z Aerztl Fortbild (Jena)** 1981 Jan 15;75(2):76–7 **(Ger)**

[Aviation medical officer and the judgement of flight fitness in the civil aviation sphere: responsibility, duty performance and role definition] Ruggieri G. **Riv Med Aeronaut Spaz** 1979 Jan–Jun;42(1–2):43–57 (Eng. Abstr.) **(Ita)**

[Increasing the role and responsibility of the district pediatrician in child health protection] Kovrigina MD, et al. **Pediatriia** 1980 Nov;(11):45–7 **(Rus)**

[Moral temper of the physician] Alieva ZA. **Vestn Oftalmol** 1980 Sep-Oct;(5):3-7 **(Rus)**

[Meditations on current medicine (author's transl)] Armas Cruz R. **Rev Med Chil** 1980 Apr;108(4):338-50 (Eng. Abstr.) **(Spa)**

ROLE CONCEPT see **ROLE**

ROLE PLAYING see under **PSYCHODRAMA**

ROLITETRACYCLINE

Interaction of stannous ion with pyrrolidino-methyl tetracycline (PMT) in the preparation of PMT-99mTc radiopharmaceuticals. Zmbova B, et al. **Int J Appl Radiat Isot** 1981 Jul;32(7):459-63

ADMINISTRATION & DOSAGE

Intracavitary adriamycin nitrogen mustard and tetracycline in the control of malignant effusions: a randomized study. Kefford RF, et al. **Med J Aust** 1980 Oct 18;2(8):447-8

METABOLISM

[Random comparative study of polyvinylpyrrolidone-doxycycline and N-pyrrolidinomethyltetracycline with determinations in serum, bile, gallbladder wall, peritoneum and abdominal muscle] Moorthi K, et al. **Med Welt** 1980 Jun 20; 31(25):963-5 **(Ger)**

THERAPEUTIC USE

[Ambulatory therapy of sinusitis with Reverin in otorhinolaryngologic practice] Graeber F, et al. **MMW** 1981 Jan 9;123(2):59-60 **(Ger)**

[Therapy of brucellosis] Chircu LV, et al. **Clin Ter** 1981 Jan 31;96(2):193-9 (Eng. Abstr.) **(Ita)**

[Treatment of late seroresistant syphilis with tetraverine (Polfa)] Machoñko T, et al. **Przegl Dermatol** 1980; 67(6):789-91 (Eng. Abstr.) **(Pol)**

ROMBERG'S DISEASE see **FACIAL HEMIATROPHY**

RONIDAZOLE see under **NITROIMIDAZOLES**

RONNEL see **FENCHLORPHOS**

ROOMING-IN CARE see under **INFANT CARE**

ROOT CANAL see **DENTAL PULP CAVITY**

ROOT CANAL FILLING MATERIALS

Radiopacity of root canal sealers. Beyer-Olsen EM, et al. **Oral Surg** 1981 Mar;51(3):320-8

Systemic distribution of N2 paste containing 14C paraformaldehyde following root canal therapy in dogs. Block RM, et al. **Oral Surg** 1980 Oct;50(4):350-60

The effect of root resection on the sealing property of root canal obturations. Harrison JW, et al. **Oral Surg** 1980 Sep; 50(3):264-72

[Root canal filling materials (electron scanning microscope comparison of root canal adaptation to 3 endodontic filling products)] Tollens H. **Rev Belge Med Dent** 1979; 34(4):351-84 **(Dut, Fre)**

[Drugs and materials used for root canal fillings and treatment of gangrenous teeth] Chodakowski S. **Czas Stomatol** 1980 Apr;33(4):299-304 (Eng. Abstr.) **(Pol)**

[Histopathologic effects of AH-26 and calcium hydroxide and mixtures of both in subcutaneous tissue of rats] Oliveria AS, et al. **Rev Paul Endodontia** 1980 Jul-Sep;1(3):1-16 **(Por)**

ADMINISTRATION & DOSAGE

[Hermetic adaptation of canal fillings with pastes and cones. Preliminary study] Chatila F, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1980 Oct; 23(4):189-96 (Eng. Abstr.) **(Fre)**

HISTORY

[Henri Lentulo, inventor of the filling-paste, 1889-1981] Verchere L. **Rev Odontostomatol (Paris)** 1981 Mar-Apr; 10(2):175-7 **(Fre)**

PHARMACODYNAMICS

[Anatomopathological results following penetration of a ZOE/trioxymethylene paste into the periapical tissue] Levy G, et al. **Rev Odontostomatol (Paris)** 1981 Mar-Apr; 10(2):139-46 **(Fre)**

[Apical hard substance barrier after temporary root canal fillings with calcium hydroxide] Herforth A, et al. **Dtsch Zahnaerztl Z** 1980;35(12):1053-7 (Eng. Abstr.) **(Ger)**

[Immunologic aspects of endodontics] Obersztyn A. **Czas Stomatol** 1980 Aug;33(8):669-75 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

[Diaket as a root canal filling material] Piątowska D, et al. **Czas Stomatol** 1980 May;33(5):407-14 (Eng. Abstr.) **(Pol)**

TOXICITY

Cytotoxicity of some solutions used for root canal treatment assessed with human fibroblasts and lymphoblasts. Koskinen KP, et al. **Scand J Dent Res** 1981 Feb;89(1):71-8

[The testing of dental filling materials in cell cultures] Heidemann D, et al. **Dtsch Zahnaerztl Z** 1980 Feb; 35(2):349-53 **(Ger)**

[Toxicological study of a fluorine-containing paste intended for filling tooth root canals] Ruchkovskii BS, et al. **Stomatologiia (Mosk)** 1980 Sep-Oct;59(5):7-9 (Eng. Abstr.) **(Rus)**

ROOT CANAL OBTURATION

In vitro growth of human gingival fibroblasts on root surfaces of endodontically treated teeth. Dunlap RM, et al. **J Periodontol** 1981 Mar;52(3):140-2

The effect of root resection on the sealing property of root canal obturations. Harrison JW, et al. **Oral Surg** 1980 Sep; 50(3):264-72

INSTRUMENTATION

[Henri Lentulo, inventor of the filling-paste, 1889-1981] Verchere L. **Rev Odontostomatol (Paris)** 1981 Mar-Apr; 10(2):175-7 **(Fre)**

METHODS

[Strategies for the correction of canal treatments] Buquet J. **Actual Odontostomatol (Paris)** 1980;(131):395-402 **(Fre)**

ROOT CANAL THERAPY

Beechwood-creosote, formocresol, bactericidal and irritant properties for endodontia. Marquez-Aviles JR, et al. **Br Dent J** 1980 Aug 19;149(4):105-8

Occlusion, the dental pulp, and endodontic treatment. Rosenberg PA. **Dent Clin North Am** 1981 Jul;25(3):423-37

Endodontic treatment of periodontal problems. Feldman G, et al. **Dent Radiogr Photogr** 1981;54(1):1-15

Endodontic treatment during root formation. Nicholls E. **Int Dent J** 1981 Mar;31(1):49-59

Reaction of endodontic medicaments on resins. Lorencki SF, et al. **J Am Dent Assoc** 1981 Aug;103(2):247-8

Determination of stress patterns in root-filled teeth incorporating various dowel designs. Davy DT, et al. **J Dent Res** 1981 Jul;60(7):1301-10

An endodontic-prosthodontic approach to internal tooth reinforcement. Sapone J, et al. **J Prosthet Dent** 1981 Feb; 45(2):164-74

Systemic distribution of N2 paste containing 14C paraformaldehyde following root canal therapy in dogs. Block RM, et al. **Oral Surg** 1980 Oct;50(4):350-60

Effect of temperature on the bactericidal action of sodium hypochlorite endodontic irrigant. Cunningham WT, et al. **Oral Surg** 1980 Dec;50(6):569-71

The efficacy of several irrigating solutions for endodontics: a scanning electron microscopic study. Goldman LB, et al. **Oral Surg** 1981 Aug;52(2):197-204

Histologic evaluation of periapical areas of endodontically treated teeth with unsuccessful healing. Hakala PE, et al. **Proc Finn Dent Soc** 1980;76(5-6):253-61

Dissolution of dentin by endodontic irrigants. Koskinen KP. **Proc Finn Dent Soc** 1981;77(4):232-9

Dissolution of bovine pulp tissue by endodontic solutions. Koskinen KP, et al. **Scand J Dent Res** 1980 Oct; 88(5):406-11

Appearance of chemically treated root canal walls in the scanning electron microscope. Koskinen KP, et al. **Scand J Dent Res** 1980 Oct;88(5):397-405

Appearance of chemically treated root canal walls in the scanning electron microscope. Koskinen KP, et al. **Scand J Dent Res** 1980 Dec;88(6):505-12

[Treatment of periapical periodontitis by liquid filling--a clinical report of 180 cases (author's transl)] Zhao M. **Chung Hua Kou Chiang Ko Tsa Chih** 1979;14(3):183-4 **(Chi)**

[Endodontics and periodontology: root amputation] Giovannoli JL. **Actual Odontostomatol (Paris)** 1980; (131):441-58 **(Fre)**

[Irrigation in endodontics] Machtou P. **Actual Odontostomatol (Paris)** 1980;(131):387-94 **(Fre)**

[Indications for the treatment of bone rarefactions of endodontic origin] Gotte P, et al. **Minerva Stomatol** 1980 Sep-Oct;29(5):373-84 (Eng. Abstr.) **(Ita)**

[Radiographical evaluation of endodontic treatment performed with standardized technique (author's transl)] Yoshino H, et al. **Kokubyo Gakkai Zasshi** 1981 Mar; 48(1):168-72 (Eng. Abstr.) **(Jpn)**

[Immunologic aspects of endodontics] Obersztyn A. **Czas Stomatol** 1980 Aug;33(8):669 75 (Eng. Abstr.) **(Pol)**

[Factors affecting the antiseptic and biological actions of drugs in root canal] Torneck CD. **Rev Paul Endodontia** 1980 Jul-Sep;1(3):17-21 **(Por)**

ADVERSE EFFECTS

Control of pain resulting from endodontic therapy: a double-blind, placebo-controlled study. Rowe NH, et al. **Oral Surg** 1980 Sep;50(3):257-63

[Emphysema after root canal treatment--a case report] Pöllmann L. **Dtsch Zahnaerztl Z** 1980;35(8):835 **(Ger)**

INSTRUMENTATION

Slow acceptance of 'new' endodontic techniques [letter] **Br Dent J** 1981 Apr 7;150(7):179-80

A new retrograde amalgam carrier. Haidar Z. **Br Dent J** 1981 Mar 17;150(6):164

Armamentarium for endodontics. Brenner MR, et al. **NY State Dent J** 1981 Jun-Jul;47(6):315-7

A quantitative comparison of the ability of diamond and K-type files to remove dentin. Martin H, et al. **Oral Surg** 1980 Dec;50(6):566-8

[Sterilization methods for endodontic instruments during root canal therapy] Boute P, et al. **Rev Belge Med Dent** 1980 May;35(1):10-3 **(Dut)**

[Electronic measuring of root canals using Dahlin's dentometer] Pages JC. **Rev Belge Med Dent** 1979; 34(4):339-50 **(Fre)**

[An accident during endodontic treatment] Guareschi G, et al. **Acta Biomed Ateneo Parmense** 1981;52(1):67-9 **(Ita)**

[Standardization of endodontic instruments] Ejiri S. **Kokubyo Gakkai Zasshi** 1980 Mar;47(1):182 **(Jpn)**

METHODS

A study of apexification without a catalyst paste. Chawla HS, et al. **ASDC J Dent Child** 1980 Nov-Dec;47(6):431-4

A simple, effective, safe technique for the root canal treatment of abscessed primary teeth. Rifkin A. **ASDC J Dent Child** 1980 Nov-Dec;47(6):435-41

The anticurvature filing method to prepare the curved root canal. Abou-Rass M, et al. **J Am Dent Assoc** 1980 Nov; 101(5):792-4

Endodontic therapy of a displaced fractured tooth. Bellizzi R. **NY State Dent J** 1981 Jun-Jul;47(6):321-3

Endodontic therapy in the hemophiliac patient. Chohayeb A. **NY State Dent J** 1981 Jun-Jul;47(6):326-7

Endodontic treatment of teeth with periapical radiolucent areas in a general dental practice. Barbakow FH, et al. **Oral Surg** 1981 May;51(5):552-9

The use of dequalinium acetate as a disinfectant and chemotherapeutic agent in endodontics. Kaufman AY. **Oral Surg** 1981 Apr;51(4):434-41

[What should one think about single-visit endodontics?] Laurent E. **Actual Odontostomatol (Paris)** 1980;(131):433-9 **(Fre)**

[Endodontic treatment of immature teeth using apical stimulation (apexification)] Lauricheese JM. **Actual Odontostomatol (Paris)** 1980;(131):459-76 **(Fre)**

[Endodontic preparation and root canal anchoring] Maestroni F. **Actual Odontostomatol (Paris)** 1980;(131):403-16 **(Fre)**

[Short- and long-term radiological control of category III root canal treatment in pulp diseases] Delessert Y, et al. **SSO** 1980 Jul;90(7):585-607 (Eng. Abstr.) **(Fre)**

[Methods for the exact determination of the length of the root canal] Rocke H. **Dtsch Zahnaerztl Z** 1981;36(3):195-6 (Eng. Abstr.) **(Ger)**

[Suitability of peracetic acid for root canal disinfection] Kühlfluck I, et al. **Stomatol DDR** 1980 Aug;30(8):558-63 **(Ger)**

[Root canal therapy methods used by dental students working at the Clinic for Conservative Dentistry] Herczegh B. **Fogorv Sz** 1981 Feb;74(2):49-53 (Eng. Abstr.) **(Hun)**

[Determined preservation of the teeth through endodontic and reimplantation treatments] Muratori G. **Minerva Stomatol** 1981 May-Jun;30(3):183-90 (Eng. Abstr.) **(Ita)**

[Iontophoresis] Ito H. **Kokubyo Gakkai Zasshi** 1980 Dec; 47(4):542 **(Jpn)**

[Current problems of the endodontic therapy of apical periodontitis] Ivanov VS, et al. **Stomatologiia (Mosk)** 1981 May-Apr;60(2):61-3 **(Rus)**

STANDARDS

[Results of radiologic surveys of root canal procedures performed by dental students] Herczegh B, et al. **Fogorv Sz** 1981 Mar;74(3):73-6 (Eng. Abstr.) **(Hun)**

ROOT RESORPTION

ETIOLOGY

Upper molar root resorption because of distal movement. Report of a case. Langford SR, et al. **Am J Orthod** 1981 Jun;79(6):669-79

Effect of fluoride on root resorption of autogenous dental replants. Clinical study. Mahajan SK, et al. **Aust Dent J** 1981 Feb;26(1):42-5

Does an impacted tooth cause root resorption of the adjacent one? Nitzan D, et al. **Oral Surg** 1981 Mar;51(3):221-4

A time-related study of periodontal healing and root resorption activity after replantation of mature permanent incisors in monkeys. Andreasen JO. **Swed Dent J** 1980; 4(3):101-10

Analysis of pathogenesis and topography of replacement root resorption (ankylosis) after replantation of mature permanent incisors in monkeys. Andreasen JO. **Swed Dent J** 1980;4(6):231-40

Overjet, overbite, intercanine distance and root resorption in orthodontically treated patients. A ten year follow-up study. Rönnerman A, et al. **Swed Dent J** 1981;5(1):21-7

METABOLISM

Collagenolytic activity of periodontal ligament and hydroxyproline content during human deciduous root resorption. Alexander SA, et al. **J Periodont Res** 1980 Jul; 15(4):434–43

PATHOLOGY

Relationship between cell damage in the periodontal ligament after replantation and subsequent development of root resorption. A time-related study in monkeys. Andreasen JO. **Acta Odontol Scand** 1981;39(1):15–25

Rapid maxillary expansion and external root resorption in man: a scanning electron microscope study. Barber AF, et al. **Am J Orthod** 1981 Jun;79(6):630–52

Multiple idiopathic root resorption (case report). Cowie P, et al. **Can Dent Assoc J** 1981 Feb;47(2):111–2

Replantation of enzymatically treated teeth in monkeys. Part I. Nevins AJ, et al. **Oral Surg** 1980 Sep;50(3):277–81

Analysis of topography of surface- and inflammatory root resorption after replantation of mature permanent incisors in monkeys. Andreasen JO. **Swed Dent J** 1980;4(4):135–44

PREVENTION & CONTROL

Delayed replantation after submucosal storage in order to prevent root resorption after replantation. An experimental study in monkeys. Andreasen JO. **Int J Oral Surg** 1980 Oct;9(5):394–403

RADIOGRAPHY

[Unusual resorption of the radixes of the permanent upper incisors] Tichá B. **Cesk Stomatol** 1980 Nov;80(6):426–30 (Eng. Abstr.) **(Cze)**

RORSCHACH TEST

Borderline personality and the Rorschach test. Singer MT, et al. **Arch Gen Psychiatry** 1981 Jun;38(6):693–8

Stimulus attributes of Rorschach Space responses. Carlson RW. **J Pers Assess** 1981 Feb;45(1):11–2

Rorschach aggressive content in normal and problematic children. Crain WC, et al. **J Pers Assess** 1981 Feb;45(1):2–4

Rorschach cards IV and VII revisited. Hayden BC. **J Pers Assess** 1981 Jun;45(3):226–9

The affective ratio in Rorschach's Test as a function of age. Loucks S, et al. **J Pers Assess** 1980 Dec;44(6):590–1

Conservation withdrawal vs. depression in medically ill patients: Rorschach case study. Lovitt R, et al. **J Pers Assess** 1980 Oct;44(5):460–4

Rorschach simulation of mental illness and normality by psychotic and nonpsychotic legal offenders. Seamons DT, et al. **J Pers Assess** 1981 Apr;45(2):130–5

Rorschach and Hand Test data comparing bipolar patients in manic and depressive phases. Wagner EE, et al. **J Pers Assess** 1981 Jun;45(3):240–9

Clinical comparisons and Rorschach response differences between visual imagery reactors and nonreactors. Yanovski A, et al. **J Pers Assess** 1980 Dec;44(6):578–89

Temporal factors associated with Rorschach space responses. Carlson RW. **Percept Mot Skills** 1980 Dec;51(3 Pt 2):1261–2

Rorschach indices of children classified as hyperactive. Gordon M, et al. **Percept Mot Skills** 1981 Jun;52(3):703–7

Subtyping in the borderline realm by means of Rorschach analysis. Carsky M, et al. **Psychiatr Clin North Am** 1981 Apr;4(1):101–6

Themes of interaction in medical students' Rorschach responses as predictors of midlife health or disease. Graves PL, et al. **Psychosom Med** 1981 Jun;43(3):215–25

[Psychodynamics of 'masked' responses on the Rorschach test in adults] Schachter M. **Schweiz Arch Neurol Neurochir Psychiatr** 1980; 127(1):145–55 (Eng. Abstr.) **(Fre)**

[A descriptive investigation of the Rorschach-epilepsy-syndrome (author's transl)] Zöllner U, et al. **Schweiz Arch Neurol Neurochir Psychiatr** 1980; 127(1):157–68 (Eng. Abstr.) **(Ger)**

[Reich's 'character armor-plating' between fantasy and reality. Contribution made by the Rorschach test. 1.] Camurati C, et al. **Minerva Psichiatr** 1979 Apr-Jun; 20(2):125–32 (Eng. Abstr.) **(Ita)**

[Rorschach test of a group of chronic schizophrenic women hospitalized for a long time] Gómez-Feria Prieto I. **Actas Luso Esp Neurol Psiquiatr** 1981 Mar-Apr;9(2):113–24 (Eng. Abstr.) **(Spa)**

ROSACEA

CHEMICALLY INDUCED

Complications of topical hydrocortisone. Guin JD. **J Am Acad Dermatol** 1981 Apr;4(4):417–22

COMPLICATIONS

Alkaline tear pH in ocular rosacea. Abelson MB, et al. **Am J Ophthalmol** 1980 Dec;90(6):866–9

Oral thermal-induced flushing in erythematotelangiectatic rosacea. Wilkin JK. **J Invest Dermatol** 1981 Jan;76(1):15–8

[Degeneration of rhinophyma] Firmin F, et al. **Ann Chir Plast** 1980;25(3):253–7 (Eng. Abstr.) **(Fre)**

[Ocular complications of acne rosacea] Lagoutte F. **Bull Soc Ophtalmol Fr** 1979 Oct;79(10):851–3 **(Fre)**

DIAGNOSIS

[Rosacea. Current data] Maleville J, et al. **Bull Soc Ophtalmol Fr** 1979 Oct;79(10):865–70 **(Fre)**

[Rosacea-like Lewandowski's tuberculid] Samtsov AV. **Vestn Dermatol Venerol** 1980 Aug;(8):49–52 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Rosacea, metronidazole and pregnancy [letter] Guilhou JJ, et al. **Br J Dermatol** 1980 Nov;103(5):585–6

Seborrheic dermatitis and rosacea. Richardson DP. **Compr Ther** 1981 Jan;7(1):57–60

Rosacea in hot water [editorial] **Lancet** 1981 Mar 21; 1(8221):647

[Cyproterone therapy of papulopustular rosacea in women] Mauss J. **Hautarzt** 1981 Feb;32(2):94–5 (Eng. Abstr.) **(Ger)**

[Rosacea. Oral therapy with 13-cis retinoic acid] Nikolowski J, et al. **Hautarzt** 1980 Dec;31(12):660–1 (Eng. Abstr.) **(Ger)**

[Therapeutic problems in rosacea and perioral dermatitis] Janicka D, et al. **Pol Tyg Lek** 1981 Jan 12;36(2):61–2 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Haber's syndrome. Report of a new family. Kikuchi I, et al. **Arch Dermatol** 1981 Jun;117(6):321–4

IMMUNOLOGY

Immunopathological studies on rosacea. Nunzi E, et al. **Br J Dermatol** 1980 Nov;103(5):543–51

[Demodex folliculorum and rosacea: experimental and immunological studies] Grosshans E, et al. **Z Hautkr** 1980 Sep 15;55(18):1211–8 (Eng. Abstr.) **(Ger)**

METABOLISM

UV-induced pyrimidine dimers and rosacea. Nunzi E, et al. **Br J Dermatol** 1981 Jun;104(6):711

PARASITOLOGY

[Demodex folliculorum: aetiopathogenesis and therapy of rosacea and perioral dermatitis (author's transl)] Ruffi T, et al. **Dermatologica** 1981;162(1):12–26 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Flushing in rosacea: an experimental approach. Parodi A, et al. **Arch Dermatol Res** 1980;269(3):269–73

SURGERY

Rhinophyma and its treatment. Elliott RA Jr, et al. **Clin Plast Surg** 1980 Jul;7(3):277–88

A new dermatome for surgical treatment of rhinophyma. Strempel H. **J Dermatol Surg Oncol** 1981 Feb;7(2):153–6

[Rhinophyma. Etiology and therapy (author's transl)] Jahnke V. **MMW** 1981 Jul 17;123(29–30):1175–6 (Eng. Abstr.) **(Ger)**

ROSAMICINS see **LEUCOMYCINS**

ROSAMYCINS see **LEUCOMYCINS**

ROSANILINE DYES

A simple, rapid, and sensitive procedure for the assay of endoproteases using Coomassie brilliant blue G-250. Saleemuddin M, et al. **Anal Biochem** 1980 Jun;105(1):202–6

Automatic assay of urinary protein using Coomassie Brilliant Blue G-250. Sano K, et al. **Anal Biochem** 1981 May 1; 113(1):197–201

Improved visualization of oxytalan fibers with resorcin fuchsin. Rosenquist T. **Basic Appl Histochem** 1981; 25(2):129–32

Metachromatic staining with Coomassie Brilliant Blue R-250 of the proline-rich calf thymus histone, H1. Duhamel RC, et al. **Biochim Biophys Acta** 1980 Dec 16;626(2):432–42

One-step staining of Neisseria gonorrhoeae in urethral discharge by methyl green-pyronin. Hanna NF, et al. **Br J Vener Dis** 1980 Aug;56(4):227–9

Reverse sister chromatid differential staining by Coomassie Brilliant blue R-250. Jan KY. **Exp Cell Res** 1981 Apr; 132(2):503–5

A charcoal cartridge for the removal of anionic detergent and electrophoresis stains. Duhamel RC, et al. **J Biochem Biophys Methods** 1981 Feb;4(2):73–80

Criticism of the use of Coomassie Brilliant Blue G-250 for the quantitative determination of proteins. van Wilgenburg MG, et al. **J Clin Chem Clin Biochem** 1981 May;19(5):301–4

Effects of different fuchsin analogs on the Feulgen reaction. Teichman JS, et al. **J Histochem Cytochem** 1980 Oct; 28(10):1062–6

Physicochemical characteristics of patent blue violet dye. Newton DW, et al. **J Pharm Sci** 1981 Feb;70(2):122–7

Protein estimation in spinal fluid using Coomassie blue reagent. Gadd KG. **Med Lab Sci** 1981 Jan;38(1):61–3

Demonstration of axial elements of sex vesicles of spermatocytes using Coomassie brilliant blue. Wang HC, et al. **Stain Technol** 1981 Jan;56(1):19–23

[Quantitative determination of total urinary protein utilizing the principle of Coomassie Brilliant Blue G250 binding to protein (author's transl)] Thomas L, et al. **J Clin Chem Clin Biochem** 1981 Apr;19(4):203–8 (Eng. Abstr.) **(Ger)**

DIAGNOSTIC USE

[Possibility of staining proteins with amide black 10 B and Coomassie brilliant blue R after electrophoresis on polyacrylamide gel (author's transl)] Navrátil L, et al. **Sb Lek** 1981 Jul;83(6-7):169–76 (Eng. Abstr.) **(Cze)**

[The Coomassie brilliant blue G 250 method for protein quantitation. (2) The application of an automatic technic (author's transl)] Kanamori K, et al. **Rinsho Byori** 1980 Nov;28(11):1153–6 **(Jpn)**

[Stainability of various basic fuchsins used in ozone-Schiff method for lipoprotein fractionation (author's transl)] Tsukamoto H, et al. **Rinsho Byori** 1980 Jul;28(7):703–7 **(Jpn)**

PHARMACODYNAMICS

[Paraldehyde-fuchsin staining characteristics of the erythrocytes in hypertension under glucose load] Fofanova KA, et al. **Kardiologiia** 1981 Mar;21(3):100–2 **(Rus)**

ROSARAMICINS see **LEUCOMYCINS**

ROSE BENGAL

[Use of acidic rose bengal antigen in the plate agglutination test for brucellosis in humans] Chernysheva MI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Jun;(6):84–8 (Eng. Abstr.) **(Rus)**

DIAGNOSTIC USE

Standardised Rose Bengal test for bovine brucellosis. **Aust Vet J** 1980 Nov;56(11):555

[Brucella meningitis and the rose bengal test (letter)] Buades J, et al. **Nouv Presse Med** 1981 Feb 7;10(5):335–6 **(Fre)**

[Dosimetry in hepato-biliary 'in vivo' with thermoluminescent detectors. 3. Results of the use of I 131-rose bengal radioisotope diagnosis] De Maria M, et al. **Minerva Med** 1980 Jun 16;71(24):1709–11 (Eng. Abstr.) **(Ita)**

[Hepatobiliary excretion of 131I-rose bengal and 99Tcm in Rotor's syndrome] Galli G, et al. **Radiol Med (Torino)** 1980 Nov;66(11):833–5 **(Ita)**

[Use of the RBJ-131 test for evaluation of liver lesions in persons chronically exposed to carbon disulfide] Krajewska B, et al. **Med Pr** 1980;31(2):123–7 (Eng. Abstr.) **(Pol)**

[Determination of a liver lesion in chronic recurrent cholecystitis by 131I-rose bengal clearance] El'darkhanova PIu. **Med Radiol (Mosk)** 1981 Mar;26(3):52–6 (Eng. Abstr.) **(Rus)**

METABOLISM

Functional study with 131I-rose bengal in chronic active hepatitis and nonactive cirrhosis using a three-compartment model. Galli G, et al. **Eur J Nucl Med** 1981 Mar;6(3):103–5

Compartment models for 131I-Rose Bengal kinetics: their diagnostic role in two liver diseases. de Rossi G, et al. **Radiol Diagn (Berl)** 1980;21(6):825–30

PHARMACODYNAMICS

Inhibition of Escherichia coli DNA polymerase I by rose bengal. Stern AM, et al. **Arch Biochem Biophys** 1980 Jul; 202(2):525–32

Photodynamic effects of rose bengal or riboflavin on carrier-mediated transport systems in rat lens. Jernigan HM Jr, et al. **Exp Eye Res** 1981 Apr;32(4):461–6

ROSENZWEIG PICTURE-FRUSTRATION STUDY see under **PROJECTIVE TECHNICS**

ROSEOLA INFANTUM see **EXANTHEMA SUBITUM**

ROSETTE FORMATION

Lymphocyte subpopulations in multiple sclerosis: variations in rosette tests using erythrocytes from different sheep. Naess A, et al. **Acta Pathol Microbiol Scand [C]** 1980 Dec; 88C(6):293–7

Ultrastructural localization of acid phosphatase in rosetted T and B lymphocytes of normal human blood. Poore TE, et al. **Am J Pathol** 1981 Jan;102(1):72–83

The active E-rosette test in allergic contact dermatitis. Angelini G, et al. **Arch Dermatol Res** 1980;269(3):291–6

Effect of histamine on E and EAC rosettes formation of normal and leukemic human lymphocytes. Blasińska MJ, et al. **Arch Immunol Ther Exp (Warsz)** 1980;28(6):895–9

Effect of histamine on the spontaneous rosette formation. Małolepszy J, et al. **Arch Immunol Ther Exp (Warsz)** 1980; 28(6):885–9

Effect of histamine on the spontaneous E rosette formation after blockade of histamine H2 receptors with cimetidine. Małolepszy J, et al. **Arch Immunol Ther Exp (Warsz)** 1980; 28(6):891–4

Phenytoin and formation of T lymphocyte rosettes. Neilan

BA, et al. **Arch Neurol** 1980 Sep;37(9):580–1
E-rosette inhibition in systemic lupus erythematosus [letter] del Giacco GS, et al. **Arthritis Rheum** 1980 Dec; 23(12):1406–7
Flow cytometry and cytoadherence studies of sera from children with juvenile rheumatoid arthritis and normal controls. Froelich CJ, et al. **Arthritis Rheum** 1981 Mar; 24(3):457–63
Augmentation of E-rosette formation by lymphocytes of cancer patients stimulated in vitro with tumor extracts. Maluish AE, et al. **Aust J Exp Biol Med Sci** 1980 Oct; 58(5):449–56
Properties of a murine lymphokine that augments E-rosette formation. Morrison JJ, et al. **Aust J Exp Biol Med Sci** 1980 Oct;58(5):479–87
Lymphocyte surface markers in sheep blood and lymph. Outteridge PM, et al. **Aust J Exp Biol Med Sci** 1981 Apr; 59(Pt 2):143–55
Mouse rosette forming cells and surface immunoglobulins in human lymphoid cells. Pandolfi F, et al. **Boll Ist Sieroter Milan** 1979 Nov 30;58(5):423–8
Effect of bile acids on E rosette formation and PHA stimulation. Surrenti C, et al. **Boll Ist Sieroter Milan** 1980 May 31;59(2):133–7
Electron microscopy of E-rosette-forming leukemic monocytes in a child with acute monocytic leukemia. Tsukada M, et al. **Cancer** 1981 Apr 1;47(7):1800–3
Studies on mouse autoreactive cells. III. Fetal development of autorosette-forming cells. Charreire J, et al. **Cell Immunol** 1980 Jul 1;52(2):438–42
Proportion of lymphocytes forming E, EA, and EAC rosettes following treatment with human interferon preparations in vitro. Einhorn S, et al. **Cell Immunol** 1980 Dec; 56(2):374–80
Supernatants from lymphoid cell lines induce autologous rosette formation and mitogenesis in murine B lymphocytes. Garchon HJ, et al. **Cell Immunol** 1981 May 1;60(1):1–10
Countercurrent distribution of lymphocytes from human peripheral blood in an aqueous two-phase system. I. Separation into subsets of lymphocytes bearing distinctive markers. Malmström P, et al. **Cell Immunol** 1980 Jul 15; 53(1):39–50
Role of the autologous rosette-forming T cells in the concanavalin A-induced suppressor cell function. Palacios R. **Cell Immunol** 1981 Jul 1;61(2):273–9
Functional subsets of human T cells defined by 'active' rosette formation. Robbins DS, et al. **Cell Immunol** 1981 Mar 15;59(1):205–18
Characterization of autologous erythrocyte rosette-forming cells in Minnesota miniature swine. Scheffel JW, et al. **Cell Immunol** 1981 Jan 1;57(1):175–82
Implications of lymphocyte E rosette formation in cerebrospinal fluid and peripheral blood. Zhang YH, et al. **Chin Med J [Engl]** 1980 Nov;93(11):789–94
Subnormal inhibition of active E rosette formation by isoproterenol in bronchial asthma. Lee CF, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1980 Jun;13(2):128–37
Rosette-increasing factor released by PHA-stimulated mononuclear cells in vitro which augments active E and EA rosette formation. Kubota M, et al. **Clin Exp Immunol** 1980 Jun;40(3):602–10
Generation of human peripheral blood stable E-rosette-forming T cells by interleukin 1. Ben-Zvi A, et al. **Clin Immunol Immunopathol** 1981 Jun;19(3):330–7
The 'active' rosette test in rheumatoid arthritis: correlation with disease activity. Espinoza LR, et al. **Clin Immunol Immunopathol** 1980 Sep;17(1):110–6
The effect of in vivo dexamethasone on lymphocyte subpopulations: differential response of EAhu rosette-forming cells. Glasser L, et al. **Clin Immunol Immunopathol** 1981 Jan;18(1):22–31
Spontaneous rosetting characteristics of prostaglandin (PG)-treated lymphocytes from patients with solid neoplasias. Misefari A, et al. **Clin Immunol Immunopathol** 1981 Jan;18(1):85–94
Effect of free radicals on lymphocyte response to mitogens and rosette formation. Nishida Y, et al. **Clin Immunol Immunopathol** 1981 Jun;19(3):319–24
Ultrastructure of bovine fetal thymocytes forming non-immune spontaneous erythrocyte rosettes. Eckblad WP. **Comp Immunol Microbiol Infect Dis** 1980;3(3):311–5
Detection of T and B cell populations in some lymphoproliferative disorders. Herzog P, et al. **Czech Med** 1980;3(4):263–70
Tissue localization of rat lymphocytes forming rosettes with guinea pig erythrocytes in the presence of fetal calf serum. Takács L, et al. **Dev Comp Immunol** 1981 Winter; 5(1):157–61
Active E rosette-forming cells in the peripheral blood of cancer patients. Semenzato G, et al. **Eur J Cancer** 1980 Oct;16(10):1311–4
Distinctive functional characteristics of human 'T' lymphocytes defined by E rosetting or a monoclonal anti-T cell antibody. Beverley PC, et al. **Eur J Immunol** 1981; 11(4):329–34
Human B lymphocytes form rosettes after insertion of T lymphocyte membrane constituents. Jakobovits A, et al. **Eur J Immunol** 1981;11(5):440–2
Leucocyte migration inhibition and rosette tests in pleural effusion. Jakubusek-Przylipiak M, et al. **Eur J Respir Dis** 1980 Apr;61(2):67–70
Proportion of early E rosettes formed by peripheral blood lymphocytes from young and aged subjects. Myśliwska J, et al. **Gerontology** 1981;27(3):140–5
Correlation of active rosette test with reactivity in normals and in patients with Hodgkin's disease. Yalçin B. **Haematologica (Pavia)** 1980 Oct;65(5):682–5
Glycolipid and p 40 are the binding sites in the sheep erythrocyte and T-lymphocyte membrane responsible for rosette formation. Gürtler LG. **Immunobiology** 1981 Jun; 158(5):426–38
The relationship between mitogen-induced rosette formation and the ability of expressing alpha-naphthyl acetate esterase activity by mouse thymocytes. Myśliwska J, et al. **Immunobiology** 1980 Jul;157(2):190–5
Mouse spleen cells are sensitized sheep red blood cells: an Fc-rosette-forming system allowing the detection of 'activated' Fc structures. Seiler FR, et al. **Immunobiology** 1981;158(3):254–69
Density gradient analysis of human active rosette forming T-lymphocytes. Kolb H, et al. **Immunol Lett** 1981 Jun; 3(2):73–4
The role of T and B antigen-binding cells in the immune response to sheep erythrocytes in the lizard, Calotes versicolor. Subramonia Pillai P, et al. **Immunology** 1981 Apr;42(4):541–8
Effect of prostaglandins on mouse erythrocyte rosette-forming human lymphocytes. Misefari A, et al. **Immunopharmacology** 1980 Apr;2(2):109–15
Antigenic modification, rosette-forming cells, and Salmonella typhimurium resistance in outbred and inbred mice. Bigley NJ, et al. **Infect Immun** 1981 Apr;32(1):353–63
Effect of an intramuscular injection of human leukocyte interferon on blood leukocyte counts and proportions of lymphocytes forming E, EA and EAC rosettes. Einhorn S, et al. **Int Arch Allergy Appl Immunol** 1980;63(2):139–44
Effects of basic proteins on spontaneous rosette formation between human lymphocytes and xenogeneic erythrocytes. Hokland P, et al. **Int Arch Allergy Appl Immunol** 1981; 65(2):212–9
Human lymphocyte/human erythrocyte rosettes. I. Blood 'H' rosettes are high-affinity E-rosetting-forming T lymphocytes occurring in high frequency. Gallinger LA, et al. **Int J Cancer** 1980 Aug;26(2):139–50
Restoration of E-rosette formation by bestatin in patients with bladder cancer. Yokoyama H, et al. **J Cancer Res Clin Oncol** 1980;98(2):195–201
Autologous rosette-forming T cells as the responding cells in human autologous mixed-lymphocyte reaction. Palacios R, et al. **J Clin Invest** 1980 Jun;65(6):1527–30
Separation of concanavalin A-induced human suppressor and helper T cells by the autologous erythrocyte rosette technique. Sakane T, et al. **J Clin Invest** 1981 Aug; 68(2):447–53
Comparison of lymphocytes forming stable E-rosettes generated in vivo and in vitro. Wansbrough-Jones MH, et al. **J Clin Lab Immunol** 1980 May;3(3):171–3
Scanning electron microscopic observation of non-E rosettes (lymphocytes adhering to less than three RRBC) in guinea pigs. Nakayama Y, et al. **J Electron Microsc (Tokyo)** 1980; 29(4):363–8
Identification of a human T lymphocyte surface protein associated with the E-rosette receptor. Kamoun M, et al. **J Exp Med** 1981 Jan 1;153(1):207–12
Specific rosette-forming capacity of autoantibody-producing cells. Klemparskaya NN, et al. **J Hyg Epidemiol Microbiol Immunol** 1981;25(2):209–14
A human T lymphocyte differentiation marker defined by monoclonal antibodies that block E-rosette formation. Howard FD, et al. **J Immunol** 1981 Jun;126(6):2117–22
Characterization of an auto-rosette inhibitory fraction in mouse serum. Hsu KH, et al. **J Immunol** 1980 Sep; 125(3):1298–301
Defective spontaneous and antibody-dependent cytotoxicity mediated by E-rosette-positive and E-rosette-negative cells in untreated patients with chronic lymphocytic leukemia: augmentation by in vitro treatment with interferon. Platsoucas CD, et al. **J Immunol** 1980 Sep; 125(3):1216–23
T lymphocytes in colostrum and peripheral blood differ in their capacity to form thermostable E-rosettes. Richie ER, et al. **J Immunol** 1980 Nov;125(5):2344–6
Characterization of autologous rosette-forming cells: a nonrestricted phenomenon. Smolen JS, et al. **J Immunol** 1981 Aug;127(2):737–41
Self recognition by autologous mixed lymphocyte reaction-primed cells. Tomonari K, et al. **J Immunol** 1980 Oct;125(4):1596–600
Characterization of the T lymphocyte colony-forming cells and evidence for the acquisition of T cell markers in the absence of the thymic microenvironment in man. Triebel F, et al. **J Immunol** 1981 May;126(5):2020–3
A method for the preparation of Vicia villosa lectin and a rosette procedure for fractionation of lectin-binding lymphocytes. Braciale VL, et al. **J Immunol Methods** 1981; 43(3):241–50
Mixed rosette assay for the detection of T mu and T gamma lymphocytes. Cnossen J, et al. **J Immunol Methods** 1980; 36(3–4):197–209
Mitogen stimulation during rosette formation: a test to measure numbers and function of T, B, 'D' and 'null' lymphocytes in man. Grishina TI, et al. **J Immunol Methods** 1980;38(3–4):309–13
The mixed antiglobulin rosetting reaction (MARR) and the direct antiglobulin rosetting reaction (DARR): sensitive tests for demonstration of immunoglobulin-bearing B lymphocytes. Haegert DG. **J Immunol Methods** 1981; 41(1):1–8 (56 ref.)
Increased sensitivity of rosetting assay for Fc receptors obtained by using non-hemagglutinating monoclonal antibodies. Kerbel RS. **J Immunol Methods** 1980;34(1):1–10
Comparison of multiple rosetting assays for detecting antibody reactivity of different immunoglobulin classes against surface antigens of benign and malignant tissue culture cells. Pfreundschuh MG, et al. **J Immunol Methods** 1980;37(1):71–81
Action of levamisole on E-rosette forming cells and serum adenosine deaminase in Hodgkin's disease. Di Perri T, et al. **J Immunopharmacol** 1979;1(2):233–46
Immunokinetics of a single dose of levamisole. Di Perri T, et al. **J Immunopharmacol** 1979;1(2):269–75
Detection of lymphocyte rosette and phagocytosis inhibiting factors in sera of patients with acute encephalopathy syndrome. Kapoor AK, et al. **J Indian Med Assoc** 1980 Apr 1;74(7):128–9
E-rosette inhibitory factor in sera from patients with mycosis fungoides. Yambe H, et al. **J Invest Dermatol** 1981 May; 76(5):376–80
Increased value of E-rosette test in aseptic meningitis after incubation with CSF. Póltorak M, et al. **J Neurol** 1981; 225(1):63–5
Rosette inhibition levels during early human gestation. Thomson AW, et al. **J Reprod Immunol** 1980 Dec; 2(5):263–8
The effect of concanavalin A on the formation of different types of E-rosettes. Aristizabal L, et al. **J Reticuloendothel Soc** 1981 Feb;29(2):117–25
Alterations in intramembrane particle distribution during interaction of erythrocyte-bound ligands with immunoprotein receptors: effect of the membrane mobility agent A2C on immunologic and nonimmunologic ligand binding. Douglas SD, et al. **J Reticuloendothel Soc** 1980 Aug;28(2):91–101
Diagnosis, stage, and prognosis of lung carcinoma by preoperative assay of lung tumor antigen-sensitive T lymphocytes. Ramey WG, et al. **J Thorac Cardiovasc Surg** 1980 Nov;80(5):656–60
Demonstration of the dosage effect of Rho (D) antigens on human red blood cells by an EA rosette assay. Horita M, et al. **Kurume Med J** 1980;27(2):85–92
Demonstration of dose response with immunobeads in rosette forming cell counts using homozygote and heterozygote of the Rho (D) antigen. Matsuo Y, et al. **Kurume Med J** 1980;27(2):79–83
Cells T, B, and null [letter] **Lancet** 1980 Dec 6;2(8206):1244–5
Biologic differences between neuroblastoma stages IV-S and IV. Measurement of serum ferritin and E-rosette inhibition in 30 children. Hann HW, et al. **N Engl J Med** 1981 Aug 20;305(8):425–9
Tuberculous meningitis: E-rosette-forming T lymphocytes in cerebrospinal fluid. El-Naggar A, et al. **Neurology (NY)** 1981 May;31(5):610–2
Nonspecific acid esterase activity in human autologous rosette-forming lymphocytes. Dufer J, et al. **Nouv Rev Fr Hematol** 1980 Dec;22(4):449–52
T-active rosette forming cells as a better index of kidney transplantation recipients' immune reactivity. Civati G, et al. **Proc Eur Dial Transplant Assoc** 1980;17:483–5
An invitro study on the effect of prostaglandin E2 and F2 alpha on E-rosette forming activity of normal lymphocytes. Erten U, et al. **Prostaglandins Med** 1980 Oct;5(4):255–8
Human lymphocyte and mouse erythrocyte rosettes. Optimization of the assay. Hokland P, et al. **Scand J Haematol** 1981 Mar;26(3):187–94
A comparison of EA-Rosette formation on lymphocytes using rabbit and human sensitizing antibodies. Dunne JV, et al. **Scand J Immunol** 1981;13(2):189–97
Fc rosette inhibition by serum of patients with infective endocarditis. Akalin HE, et al. **Scand J Infect Dis** 1981; 13(1):37–9
Enumeration of human peripheral T lymphocytes with E-rosettes and OKT3. PAN monoclonal antibody: a close correlation. de Cock W, et al. **Thymus** 1980 Dec;2(3):133–7
Serum inhibitory factors and E rosettes in chronic renal failure. Raptopoulou-GiGi M, et al. **Thymus** 1980 Jan; 1(4–5):281–5
Comparison of the in vitro effects of thymopoietin pentapeptide and levamisole on peripheral E-rosette forming cells. Verhaegen H, et al. **Thymus** 1980 Jan; 1(4–5):195–204
HLA antigens and E-rosettes in tetanus patients. Bale UM, et al. **Tissue Antigens** 1980 Aug;16(2):181–6
Influence of Trypanosoma infection on the formation of E, EA, and EAC rosettes with peripheral blood lymphocytes from calves. Ahmed JS, et al. **Tropenmed Parasitol** 1981 Mar;32(1):55–7
Immunological aspects of Theileria annulata infection in calves. 1. E., EA, and EAC rosette forming cells in calves infected with T. annulata. Rehbein G, et al. **Tropenmed Parasitol** 1981 Jun;32(2):101–4
Protein A-coated erythrocyte binding to cell surface antigens: application to quantitate retrovirus infectivity in vitro. Fitting T, et al. **Virology** 1981 Jun;111(2):653–5
[Rosette formation by mice red cells and human lymphocytes

(author's transl)] Qiao CN.
Chung Hua Nei Ko Tsa Chih 1980;19(2):128–31 **(Chi)**
[Immunodeficiency in recurrent aphthous stomatitis (author's transl)] Strejček J, et al. **Cas Lek Cesk** 1980 Jul 8; 119(31–32):850–3 (Eng. Abstr.) **(Cze)**
[The megarosette test in multiple sclerosis (letter)] Missoum A, et al. **Nouv Presse Med** 1981 Mar 14;70(12):989 **(Fre)**
[Studies on the E rosette test (author's transl)] Neubert R, et al. **Allerg Immunol (Leipz)** 1980;26(4):361–7 (Eng. Abstr.) **(Ger)**
[Studies on the number of rosette forming lymphocytes in the day–longitudinal testing (author's transl)] Rytter M, et al. **Allerg Immunol (Leipz)** 1980;26(2):154–60 (Eng. Abstr.) **(Ger)**
[Living Sézary cells in vitro: formation of autologous rosettes (author's transl)] Bauer R, et al. **Arch Dermatol Res** 1980; 269(3):261–8 (Eng. Abstr.) **(Ger)**
[Spontaneous rosette formation in various diseases—comparative studies of incubation temperatures of 4 degree and 29 degree C] Eggers G, et al. **Paediatr Grenzgeb** 1980;19(5):339–43 (Eng. Abstr.) **(Ger)**
[Results of the spontaneous rosette test after intracutaneous immunization with tetanus toxoid fluid vaccine] Seeger E, et al. **Z Gesamte Hyg** 1980;26(12):894–7 (Eng. Abstr.) **(Ger)**
[Changes in rosette count under the effect of tuberculin antigen (in vitro study of tuberculin type hypersensitivity)] Katona Z, et al. **Orv Hetil** 1981 Apr 19;122(16):943–5 **(Hun)**
[Properties of human lymphocytes binding to mouse red blood cells] Semenzato G, et al. **Boll Ist Sieroter Milan** 1980 Jan 31;58(6):496–501 (Eng. Abstr.) **(Ita)**
[Serum factor which inhibits E rosette formation in untreated Hodgkin's disease] Roncoli B, et al. **Riv Emoter Immunoematol** 1979;26(3–4):125–9 **(Ita)**
[The study on the mechanism of the inhibitory effect of the serum IgG from sarcoidosis patients on the E–rosette formation of normal T–cells (author's transl)] Ikeda S. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Jan;19(1):25–34 (Eng. Abstr.) **(Jpn)**
[Rosette test in asthma after desensitization] Kałła M, et al. **Pol Tyg Lek** 1980 Jun 23;35(25):941–3 (Eng. Abstr.) **(Pol)**
[Significance of the spontaneous rosette formation test with mouse erythrocytes in the complex quantitative analysis of human B–lymphocytes] Cheredeev AN, et al. **Biull Eksp Biol Med** 1980 JUL;89(7):70–3 (Eng. Abstr.) **(Rus)**
[Characteristics of rosette–forming cells during staining with acridine orange] Riabchikov OP. **Lab Delo** 1980;(8):476–8 (Eng. Abstr.) **(Rus)**
[Importance of the immunocytoadherence test in the diagnosis of respiratory organ tuberculosis in children and adolescents] Autenshlius AI, et al. **Probl Tuberk** 1981 Jan; (1):28–31 (Eng. Abstr.) **(Rus)**
[Significance of the rosette formation phenomenon in kidney transplantation] Belorusov OS, et al. **Sov Med** 1980; (9):56–60 (Eng. Abstr.) **(Rus)**
[Surface markers of T and B lymphocytes: II. Their investigation in 13 patients with untreated acute lymphoblastic leukaemia (ALL) (author's transl)] Tomić BL. **Lijec Vjesn** 1981;102(12):689–93 (Eng. Abstr.) **(Scr)**
[Use of immunological methods in characterizing acute lymphoblastic leukemias in childhood (author's transl)] Cáp J, et al. **Bratisl Lek Listy** 1981 Aug;76(2):183–91 (Eng. Abstr.) **(Slo)**
[Levamisole and its effect on the E–rosette restoration test in healthy subjects and in systemic lupus erythematosus (author's transl)] Rovenský J, et al. **Cas Lek Cesk** 1981 Jun 25;120(25):761–3 (Eng. Abstr.) **(Slo)**
[Study of the lymphocyte population in hepatic cirrhosis using the T–rosette technic] Suárez C, et al. **Rev Esp Enferm Apar Dig** 1981 Jan;59(1):65–8 (Eng. Abstr.) **(Spa)**

METHODS

Inhibition or stimulation of immediate, spontaneous rosette formation at various SRBC:lymphocyte ratios. Skopińska E, et al. **Arch Immunol Ther Exp (Warsz)** 1980;28(4):577–88
Studies on the identification of B lymphocytes using protein A. Lymphocytes of human palatine tonsil. Ito H. **Auris Nasus Larynx** 1979;6(2):97–103
EA rosette formation: a simple means to increase sensitivity of the antiglobulin test in patients with anti red cell antibodies. Galili U, et al. **Br J Haematol** 1981 Feb; 47(2):227–33
The bacteria(B)—antibody(A)—complement(C) (BAC) rosette method for detecting C3 receptors (R): binding specificity and capping of human peripheral blood lymphocyte C3r. Gormus BJ, et al. **Cell Immunol** 1980 Sep 15;55(1):94–105
[E–rosette test. Analysis of methodology (author's transl)] Kamínková J. **Cas Lek Cesk** 1981 Jun 25;120(25):756–60 (Eng. Abstr.) **(Cze)**
[T–lymphocyte demonstration using the rosette test with AET–stabilized erythrocytes (author's transl)] Procházková J. **Cas Lek Cesk** 1981 Feb 12;120(6):168–9 (Eng. Abstr.) **(Cze)**
[Simultaneous determination of E–, EAC– und D–rosette–forming cells in peripheral blood of healthy individuals (author's transl)] Müller S, et al. **Allerg Immunol (Leipz)** 1980;26(4):326–30 (Eng. Abstr.) **(Ger)**
[Detection of Tmu and Tgamma lymphocytes by double rosette technique (author's transl)] Harada H, et al. **Rinsho Byori** 1980 Sep;28(9):878–81 **(Jpn)**
[Studies on the determination of IgG–Fc receptor bearing cells and T gamma–cells of human lymphocytes—with a special reference to the comparison of EA rosette method and double rosette methods (author's transl)] Iho S, et al. **Rinsho Byori** 1980;28(6):591–6 **(Jpn)**
[Simultaneous determination of T and B lymphocytes using E rosette test and bead rosette test (author's transl)] Sakaguchi H, et al. **Rinsho Byori** 1980;28(6):597–600 **(Jpn)**
[Phenomenon of rosette formation intensification as a new diagnostic test in myocardial infarct] Prokopenko NIa. **Kardiologiia** 1981 Jun;21(6):35–9 (Eng. Abstr.) **(Rus)**
[Micromethod of detecting spontaneous rosette–forming T–lymphocytes] Semenova EN, et al. **Lab Delo** 1981;(4):249 **(Rus)**
[New immunological diagnostic methods in tuberculosis] Morozov VL, et al. **Probl Tuberk** 1981 May;(5):66–9 **(Rus)**
[Determination of IgM and IgG on lymphocyte surfaces by means of registering rosette formation with anti–immunoglobulin–coated erythocytes] Surovas VM, et al. **Tsitologiia** 1980 Aug;22(8):976–81 (Eng. Abstr.) **(Rus)**

ROSS RIVER VIRUS see under **ALPHAVIRUSES**

ROTATION

Frequency response of the vestibulo–ocular reflex (VOR) in the monkey. Buettner UW, et al. **Aviat Space Environ Med** 1981 Feb;52(2):73–7
The threshold of perception of angular acceleration as a function of duration. Rodenburg M, et al. **Biol Cybern** 1981; 39(3):223–6
Hyperkinesis treated by vestibular stimulation: an exploratory study. Bhatara V, et al. **Biol Psychiatry** 1981 Mar; 16(3):269–79
Establishment of the dorsal/ventral polarity of the amphibian embryo: use of ultraviolet irradiation and egg rotation as probes. Chung HM, et al. **Dev Biol** 1980 Nov;80(1):120–33
Effects of vestibular stimulation on motor development of cerebral–palsied children. Sellick KJ, et al. **Dev Med Child Neurol** 1980 Aug;22(4):476–83
Sensation of rotation about a vertical axis with a fixed visual field in different illuminations and in the dark. Huang J, et al. **Exp Brain Res** 1981;41(2):172–83
Influence of combined visual and vestibular cues on human perception and control of horizontal rotation. Zacharias GL, et al. **Exp Brain Res** 1981;41(2):159–71
Head rotation trajectories compared with eye saccades by main sequence relationships. Stark L, et al. **Invest Ophthalmol Vis Sci** 1980 Aug;19(8):986–8
Motion sickness caused by rotations about Earth–horizontal and Earth–vertical axes. Leger A, et al. **J Appl Physiol** 1981 Mar;50(3):469–77
Pattern rotation system for a visual stimulator. Macellari V. **Med Biol Eng Comput** 1980 Sep;18(5):601–6
Dogfish horizontal canal system: responses of primary afferent, vestibular and cerebellar neurons to rotational stimulation. Montgomery JC. **Neuroscience** 1980; 5(10):1761–9
Response of vestibular and cerebellar neurons to rotational stimulation. Kimm J, et al. **Prog Brain Res** 1979;50:383–93
[Analysis of forces stimulating the semicircular canals during human movement in a rotating system] Vorob'ev OA. **Izv Akad Nauk SSSR [Biol]** 1980 Nov–Dec;(6):935–8 (Eng. Abstr.) **(Rus)**
[Changes in the bodily reactivity of animals as a result of prolonged rotation] Arlashchenko NI, et al. **Kosm Biol Aviakosm Med** 1980 Nov–Dec;14(6):51–4 (Eng. Abstr.) **(Rus)**
[Vestibular nystagmus in rats after hypokinesia and prolonged rotation] Ovechkin VG, et al. **Kosm Biol Aviakosm Med** 1980 Sep–Oct;14(5):59–62 (Eng. Abstr.) **(Rus)**
[Rotation of the segments of the trunk during walking in spondylolisthesis] Glazyrin DI, et al. **Ortop Travmatol Protez** 1981 Feb;(2):36–40 (Eng. Abstr.) **(Rus)**

ROTAVIRUSES see under **REOVIRIDAE**

ROTENONE

ANALOGS & DERIVATIVES

Residues of rotenone and rotenolone on lettuce and tomato fruit after treatment in the field with rotenone formulations. Newsome WH, et al. **J Agric Food Chem** 1980 Jul–Aug; 28(4):722–4
Evaluation of rotenone and related compounds as antagonists of slow–reacting substance of anaphylaxis. Ashack RJ, et al. **J Med Chem** 1980 Sep;23(9):1022–6

ANALYSIS

Residues of rotenone and rotenolone on lettuce and tomato fruit after treatment in the field with rotenone formulations. Newsome WH, et al. **J Agric Food Chem** 1980 Jul–Aug; 28(4):722–4

PHARMACODYNAMICS

Evaluation of rotenone and related compounds as antagonists of slow–reacting substance of anaphylaxis. Ashack RJ, et al. **J Med Chem** 1980 Sep;23(9):1022–6

ROTIFERA

DRUG EFFECTS

Effect of calcium, magnesium and chelating agents on the lifespan of the rotifer Asplanchna brightwelli. Enesco HE, et al. **Exp Gerontol** 1980;15(5):389–92
alpha–Tocopherol increases lifespan in the rotifer Philodina. Enesco HE, et al. **Exp Gerontol** 1980;15(5):335–8

ULTRASTRUCTURE

Age related decrease in nuclear and nucleolar size in hypodermal cells of the rotifer. Enesco HE, et al. **Exp Gerontol** 1981;16(1):41–5

ROUND LIGAMENT see under **ADNEXA UTERI**

ROUND WINDOW see under **COCHLEA**

ROUS–ASSOCIATED VIRUS see **AVIAN LEUKOSIS VIRUSES**

ROUS SARCOMA

Investigation of a continuous murine cell line RVP3 by C–staining of chromosomes. Rodova M, et al. **Folia Biol (Praha)** 1980;26(3):218–20

ANALYSIS

Structure of viral DNA and RNA in mammalian cells infected with avian sarcoma virus. Quintrell N, et al. **J Mol Biol** 1980 Nov 15;143(4):363–93

ENZYMOLOGY

Increase in S–adenosyl–L–methionine decarboxylase activity during the transformation of chick embroy fibroblasts by Rous sarcoma virus. Bachrach U, et al. **Int J Cancer** 1980 Jul 15;26(1):75–8
Association of the src–gene product of Rous sarcoma virus with a pyruvate–kinase inactivation factor. Glossmann H, et al. **Mol Cell Endocrinol** 1981 Jul;23(1):49–63

FAMILIAL & GENETIC

B–haplotype influence on Marek's disease, Rous sarcoma, and lymphoid leukosis virus–induced tumors in chickens. Bacon LD, et al. **Poult Sci** 1981 Jun;60(6):1132–9

IMMUNOLOGY

Presence of antibodies to the viral proteins in sera of mammals bearing RSV–induced tumours. Sovová V, et al. **Folia Biol (Praha)** 1980;26(5):351–8
Cross–reactivity between RSV–induced tumor antigen and B5 MHC alloantigen in the chicken. Heinzelmann EW, et al. **Immunogenetics** 1981;13(1–2):29–37
Antisera from mice and rats incubated with syngeneic Rous sarcoma cells. Kawai S, et al. **Jpn J Exp Med** 1980 Oct; 50(5):339–49
[Testing of poultry for susceptibility to sarcoma viruses in the C subgroup] Lešník F, et al. **Vet Med (Praha)** 1980 Sep;25(9):571–6 (Eng. Abstr.) **(Slo)**

METABOLISM

[Virus–specific double–stranded RNA in the composition of the microsomal RNA of Rous sarcoma cells] Perevozchikov AP, et al. **Dokl Akad Nauk SSSR** 1981; 256(4):987–9 **(Rus)**

PATHOLOGY

Complementing MHC– and non–MHC–linked genes and resistance to avian sarcoma virus–induced tumours in inbred lines of chickens. Cutting JA, et al. **J Immunogenet** 1981 Jun;8(3):215–23
MHC gene control of growth of avian sarcoma virus–induced tumours in chickens: a study on the role of virus strains. McBride RA, et al. **J Immunogenet** 1981 Jun;8(3):207–14
Proliferation rate—drug sensitivity relation in clones isolated from heterogeneic tumor cell population. Reiner P, et al. **Neoplasma** 1980;27(6):711–5
Initial studies on cultured embryonic chick lens epithelial cells infected with a temperature–sensitive Rous sarcoma virus. Jones RE, et al. **Vision Res** 1981;21(1):5–9

PHYSIOPATHOLOGY

[Rous virus–induced sarcoma study of Macaca mulatta monkeys] Adzhigitov FI, et al. **Vopr Onkol** 1981; 27(1):56–60 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Inhibitory effects of an aromatic retinoid (Ro 10–9359) on viral tumorigenesis. Frankel JW, et al. **Intervirology** 1980; 14(5–6):321–5

BCNU and steroids in the viral-induced dog brain tumor. Brisman R, et al. **Neurol Res** 1979;1(2):147-57

ROUS SARCOMA VIRUS

Neuraminidase activity and cell surface sialic acid turnover in Rous sarcoma virus transformed chick embryo fibroblasts. Myers-Robfogel MW, et al. **Cancer Biochem Biophys** 1981;5(3):141-6

Increased glucose uptake capacity of Rous-transformed cells and the relevance of deprivation derepression. Bader JP, et al. **Cancer Res** 1981 May;41(5):1702-9

Ornithine decarboxylase induction during B1 progression of normal and Rous sarcoma virus-transformed cells. Haddox MK, et al. **Cancer Res** 1980 Mar;40(3):604-8

Changes in polypeptide pattern in ASV-transformed rat cells are correlated with the degree of morphological transformation. Brzeski H, et al. **Cell** 1980 Nov;22(2 Pt 2):513-22

Isolation of a glucose transport system from normal chicken fibroblasts and from chicken fibroblasts transformed by Rous sarcoma virus. Lipmann F, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):1043-6

Regulation of plasminogen activator synthesis in chick embryo fibroblasts infected with avian retroviruses. Rifkin DB. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):665-8

Effect of transformation of chicken cells by Rous sarcoma virus on in vitro phosphorylation of nuclear non-histone proteins. Blat C, et al. **Exp Cell Res** 1981 Jul;134(1):121-8

Surface changes in cell membranes of Chinese hamster embryo fibroblasts, normal and transformed by Rous sarcoma virus, infected with influenza virus A2-Texas. Knycz M, et al. **Folia Biol (Krakow)** 1981;29(2):157-61

Chromosome aberrations in Chinese hamster embryonal fibroblasts after exposure to Rous sarcoma virus. Kosz-Vnenchak M, et al. **Folia Biol (Krakow)** 1981; 29(2):103-9

Detection of viral markers and incomplete viral genome rescue from ASV transformed rodent cells. Popvič M, et al. **Folia Biol (Praha)** 1980;26(4):244-60

Sodium and rubidium uptake in cells transformed by Rous sarcoma virus. Bader JP, et al. **J Cell Physiol** 1981 Feb; 106(2):235-43

Computed tomography of virally induced canine brain tumors: a preliminary report. Groothuis DR, et al. **J Comput Assist Tomogr** 1981 Aug;5(4):538-43

Transformation-dependent alterations in the oligosaccharides of Prague C Rous sarcoma virus glycoproteins. Hunt LA, et al. **J Virol** 1981 Jan;37(1):207-15

Nucleolar ultrastructure and transcription of preribosomal RNA in Rous sarcoma virus-transformed chick embryo fibroblasts treated with alpha-amanitin. Connan G, et al. **JNCI** 1980 Dec;65(6):1245-56

Decrease in the levels of nuclear RNA precursors for alpha 2 collagen in Rous sarcoma virus transformed fibroblasts. Avvedimento E, et al. **Nucleic Acids Res** 1981 Mar 11; 9(5):1123-31

Active proliferation of Rous sarcoma virus-infected, but not normal, chicken heart mesenchymal cells in culture medium of physiological composition. Balk SD. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6606-10

Altered distributions of the cytoskeletal proteins vinculin and alpha-actinin in cultured fibroblasts transformed by Rous sarcoma virus. David-Pfeuty T, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6687-91

Differences in intracellular location of pp60src in rat and chicken cells transformed by Rous sarcoma virus. Krueger JG, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4142-6

ANALYSIS

RSV-transformed mammalian cells: an analysis of RNAs specific for exogenous and endogenous viruses. Tatosyan AG, et al. **Arch Geschwulstforsch** 1980;50(5):423-8

Immunoelectron microscopic localization of Rous sarcoma virus structural protein p27 in infected chicken embryo fibroblasts. Stanislawski L, et al. **Intervirology** 1980; 14(5-6):261-71

Association of the transformation-specific protein pp60src with the membrane of an avian sarcoma virus. Bunte T, et al. **J Virol** 1981 Jun;38(3):1034-47

Effect of p15-associated protease from an avian RNA tumor virus on avian virus-specific polyprotein precursors. Moelling K, et al. **J Virol** 1980 Feb;33(2):680-88

Antibody-mediated polysome precipitation as a method for the size determination of viral mRNA species: viral envelope glycoprotein mRNA of avian sarcoma viruses. Netuschil L, et al. **J Virol Methods** 1980;1(2):99-112

A model structure for Rous sarcoma virus genomic RNA and its implication for various functions of the viral RNA. Darlix JL, et al. **Mol Biol Rep** 1981 May 22;7(1-3):127-33

Provirus DNA sequences in Rous sarcoma cell genome. Ratovitski EA, et al. **Neoplasma** 1980;27(5):497-508

Synthesis of the 3'- and 5'-reiterated terminal sequences of Rous sarcoma virus 35S RNA. Takaku H, et al. **Nucleic Acids Symp Ser** 1980;(8):s91-3

Structural and functional domains of the Rous sarcoma virus transforming protein (pp60src). Levinson AD, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1624-8

DRUG EFFECTS

Effect of glucosamine on phenotype mixing of vesicular stomatitis virus with avian sarcoma virus. Ogura H, et al. **Acta Med Okayama** 1980 Dec;34(6):355-9

Selective inhibition of avian sarcoma virus protein synthesis in 3-deazaadenosine-treated infected chicken embryo fibroblasts. Stoltzfus CM, et al. **J Virol** 1981 Apr; 38(1):173-83

ENZYMOLOGY

Detection of the src-gene product pp60src and its associated protein kinase on the surface of Rous-sarcoma-virus-transformed cells. Barnekow A, et al. **Biochem Soc Trans** 1980 Dec;8(6):735-6

Purification of plasminogen activator from Rous sarcoma virus transformed chick embryo fibroblasts treated with the tumor promoter phorbol 12-myristate 13-acetate. Goldfarb RH, et al. **Biochemistry** 1980 Nov 25; 19(24):5463-71

Protein phosphorylated by the RSV transforming function. Hunter T. **Cell** 1980 Dec;22(3):647-8

Comparison of protein kinase activities in normal cells and cells transformed by a temperature-sensitive mutant of avian sarcoma virus to those of cell-free viral translational products. Owada M, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):959-65

Localization of pp60src within normal rat kidney cells infected with temperature-sensitive mutants (T-class) of Rous sarcoma virus. Rohrschneider LR. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):1013-22

Virus-coded DNA endonuclease from avian retrovirus. Golomb M, et al. **J Virol** 1981 May;38(2):548-55

GENETICS

Variation in avian retrovirus genomes. Coffin JM, et al. **Ann NY Acad Sci** 1980;354:410-25

Genetic variation and host markers in the src gene of recovered avian sarcoma viruses. Vigne R, et al. **Ann NY Acad Sci** 1980;354:384-97

Long-term persistence of transformation-defective mutants of subgroup C in chickens and ducks inoculated early in life. Svoboda J, et al. **Arch Geschwulstforsch** 1980; 50(5):429-34

Evidence for a Gp85-related glycoprotein in cells transformed by the Bryan high titer strain of Rous sarcoma virus. Pauli G, et al. **Arch Virol** 1981;68(3-4):173-87

Regulation or procollagen messenger ribonucleic acid levels in Rous sarcoma virus transformed chick embryo fibroblasts. Sobel MR, et al. **Biochemistry** 1981 Apr 28; 20(9):2678-84

Hybrid plasmids carrying part of the Rous sarcoma virus-specific leader sequence. Bromley PA, et al. **Biochim Biophys Acta** 1981 Aug 27;655(1):41-8

Effect of tumor promoters on sarc gene expression in normal and transformed chick embryo fibroblasts. Pietropaolo C, et al. **Cancer Res** 1981 Apr;41(4):1565-71

Early changes in the distribution and organization of microfilament proteins during cell transformation. Boschek CB, et al. **Cell** 1981 Apr;24(1):175-84

Integration of Rous sarcoma virus DNA during transfection. Copeland NG, et al. **Cell** 1981 Jan;23(1):51-60

Nucleotide sequence analysis of the long terminal repeat (LTR) of avian retroviruses: structural similarities with transposable elements. Ju G, et al. **Cell** 1980 Nov;22(2 Pt 2):379-86

Viral and cellular src genes contribute to the structure of recovered avian sarcoma virus transforming protein. Karess RE, et al. **Cell** 1981 Apr;24(1):155-64

Vinculin: a cytoskeletal target of the transforming protein of Rous sarcoma virus. Sefton BM, et al. **Cell** 1981 Apr; 24(1):165-74

Molecular cloning and characterization of the chicken gene homologous to the transforming gene of Rous sarcoma virus. Shalloway D, et al. **Cell** 1981 May;24(2):531-41

Identification of a functional promoter in the long terminal repeat of Rous sarcoma virus. Yamamoto T, et al. **Cell** 1980 Dec;22(3):787-97

Growth-related alterations induced in chick embryo fibroblasts by src-gene deletion mutants of the Schmidt-Ruppin strain of Rous sarcoma virus. Breitman ML, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):1047-55

Expression of viral oncogenes in differentiating chick embryo neuroretinal cells infected with avian tumor viruses. Calothy G, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):983-90

Transformation of NIH-3T3 mouse cells by avian retroviral DNAs. Cooper GM, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):1169-76

Characterization of the src gene of a Rous sarcoma virus mutant temperature-sensitive for cell transformation. Darlix JL, et al. **Cold Spring Harbor Symp Quant Biol** 1980; 44(Pt 2):843-7

Transformation-defective, temperature-sensitive mutants of Rous sarcoma virus have a reversibly defective src-gene product. Friis RR, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):1007-12

Localization and characterization of the src-gene product of Rous sarcoma virus. Goldberg AR, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):991-1005

Transcriptional products and DNA structure of endogenous avian proviruses. Hayward WS, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):1111-21

Studies on the structure and function of the avian sarcoma virus transforming-gene product. Hunter T, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):931-41

In vitro synthesis and processing of Rous sarcoma virus src-gene products. Kamine J, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):943-8

Transforming protein encoded by the cellular information of recovered avian sarcoma viruses. Karess RE, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):765-71

Expression of the src-gene product, pp60src, in transformed and reverted mammalian cells infected with avian sarcoma virus. Lau AF, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):1057-64

Activities of the src-gene product of avian sarcoma virus. Maness PF, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):949-58

Transformation by Rous sarcoma virus: effects of src-gene expression on the synthesis and phosphorylation of cellular polypeptides. Radke K, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):975-82

F-actin inhibits protein kinase activity associated with the src-gene product. Tsen SD, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):967-74

Comparative analysis of cellular and viral sequences related to sarcomagenic cell transformation. Wang LH, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):755-64

Factors affecting phenotypic reversion of rat cells transformed by avian sarcoma virus. Wyke JA, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):1065-75

Karyotype analysis and quantitation of viral transforming genes in Rous sarcoma virus transformed, revertant, and retransformed field vole cells. Woods WG, et al. **Cytogenet Cell Genet** 1981;29(3):153-65

Two-hit kinetics of focus formation in cells transfected with Rous sarcoma provirus. Hillova J, et al. **Intervirology** 1980; 13(6):357-63

Coordinate transcriptional regulation of type I procollagen genes by Rous sarcoma virus. Sandmeyer S, et al. **J Biol Chem** 1981 May 25;256(10):5022-8

Effects of viral transformation on synthesis and secretion of collagen and fibronectin-like molecules by embryonic chick chondrocytes in culture. Yoshimura M, et al. **J Biol Chem** 1981 Sep 10;256(17):9111-7

Reverse transformation of vole cells transformed by avian sarcoma virus containing the src gene. Puck TT, et al. **J Cell Physiol** 1981 Jun;107(3):399-412

Aggregation properties of chondrocytes infected with a temperature-sensitive mutant of Rous sarcoma virus. Tanaka A, et al. **J Cell Sci** 1980 Jun;43:407-17

Studies on recombination in heterologous crosses of Rous sarcoma virus. Balduzzi PC, et al. **J Gen Virol** 1980 Sep; 50(1):173-8

Biological properties of 'partial' transformation mutants of Rous sarcoma virus and characterization of their pp60src kinase. Anderson DD, et al. **J Virol** 1981 Jan;37(1):445-58

Arrangement of integrated avian sarcoma virus DNA sequences within the cellular genomes of transformed and revertant mammalian cells. Collins CJ, et al. **J Virol** 1980 Feb;33(2):760-8

Tandem duplication of the proviral DNA in an avian sarcoma virus-transformed quail clone. Hsu TW, et al. **J Virol** 1981 Apr;38(1):219-23

Synthesis and processing of viral glycoproteins in two nonconditional mutants of Rous sarcoma virus. Linial M, et al. **J Virol** 1980 Oct;36(1):280-90

Transfer of defective avian tumor virus genomes by a Rous sarcoma virus RNA packaging mutant. Linial M. **J Virol** 1981 Apr;38(1):380-2

Generation of nondefective Rous sarcoma virus by asymmetric recombination between deletion mutants. Martin GS, et al. **J Virol** 1980 Nov;36(2):591-4

Avian oncovirus mutant (SE21Q1b) deficient in genomic RNA: characterization of a deletion in the provirus. Shank PR, et al. **J Virol** 1980 Nov;36(2):450-6

Envelope assembly mutant of rous sarcoma virus. Steimer KS, et al. **J Virol** 1980 Dec;36(3):883-8

Evidence for the common origin of viral and cellular sequences involved in sarcomagenic transformation. Wang LH, et al. **J Virol** 1980 Jul;35(1):52-64

Molecular mechanism for the capture and excision of the transforming gene of avian sarcoma virus as suggested by analysis of recombinant clones. Yamamoto T, et al. **J Virol** 1980 Aug;35(2):436-43

Role of src gene in growth regulation of Rous sarcoma virus-infected chicken embryo fibroblasts. Parry G, et al. **Nature** 1980 Dec 25;288(5792):720-2

Analysis of the secondary and tertiary structures of Rous sarcoma virus RNA. Darlix JL, et al. **Nucleic Acids Res** 1980 Aug 11;8(15):3335-54

Association of the src gene product of Rous sarcoma virus with cytoskeletal structures of chicken embryo fibroblasts. Burr JG, et al. **Proc Natl Acad Sci USA** 1980 Jun; 77(6):3484-8

The protein encoded by the transforming gene of avian sarcoma virus (pp60src) and a homologous protein in normal cells (pp60proto-src) are associated with the plasma membrane. Courtneidge SA, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):3783-7

Rous sarcoma virus infection of synchronized cells establishes

provirus integration during S-phase DNA synthesis prior to cellular division. Humphries EH, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2601-5

Distribution of proviral sequences in chromatin of embryonic fibroblasts infected by Rous sarcoma virus. Pantazis P, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):2669-72

Adhesion plaques of Rous sarcoma virus-transformed cells contain the src gene product. Rohrschneider LR. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3514-8

Nucleotide sequence of cloned unintegrated avian sarcoma virus DNA: viral DNA contains direct and inverted repeats similar to those in transposable elements. Swanstrom R, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):124-8

Interaction of psoralen derivatives with the RNA genome of Rous sarcoma virus. Swanstrom R, et al. **Virology** 1981 Sep;113(2):613-22

Infection of rat cells by avian sarcoma virus: factors affecting transformation and subsequent reversion. Wyke JA, et al. **Virology** 1980 Oct 30;106(2):217-33

[Transforming genes present in avian sarcoma viruses: src gene and newly discovered genes and their gene products (author's transl)] Kawai S. **Seikagaku** 1980;52(9):966-72 (33 ref.) **(Jpn)**

[Microinjection of viruses into animal oocytes and embryos. Integration of avian sarcoma viral genome into Drosophila melanogaster DNA] Gazarian KG, et al. **Dokl Akad Nauk SSSR** 1981;258(5):1224-7 **(Rus)**

GROWTH & DEVELOPMENT

Expression of a subgenomic retroviral messenger RNA. Stacey DW. **Cell** 1980 Oct;21(3):811-20

Independent expression of avian sarcoma virus in doubly infected chicken embryo fibroblasts. Humphries EH, et al. **J Virol** 1981 Feb;37(2):721-9

IMMUNOLOGY

Use of the hybridoma technique for antibody production to group-specific antigens of avian oncornaviruses. Sovová V, et al. **Folia Biol (Praha)** 1980;26(5):366-8

Presence of antibodies to the viral proteins in sera of mammals bearing RSV-induced tumours. Sovová V, et al. **Folia Biol (Praha)** 1980;26(5):351-8

Increased growth of RSV-induced tumors in chickens partially tolerant to MHC alloantigens. Heinzelmann EW, et al. **Immunogenetics** 1981;12(3-4):275-84

Simultaneous injection of newborn rabbits with the Schmidt-Ruppin and prague strains of Rous sarcoma virus induces antibodies which recognize the pp60src of both strains. Ziemiecki A, et al. **J Gen Virol** 1980 Sep;50(1):211-6

Concanavalin A agglutinability of some enveloped RNA viruses modified by host cell transformation. Miki T. **Microbiol Immunol** 1980;24(5):429-38

Purified EGF receptor-kinase interacts specifically with antibodies to Rous sarcoma virus transforming protein. Chinkers M, et al. **Nature** 1981 Apr 9;290(5806):516-9

[5-Bromodeoxyuridine augmentation of the expression, on chick embryo fibroblasts of a cellular antigen present on avian oncoviruses] Achour A, et al. **C R Acad Sci [D] (Paris)** 1980 Sep 15;291(2):233-6 (Eng. Abstr.) **(Fre)**

METABOLISM

Comparison of glycopeptides from control and virus-transformed baby hamster kidney fibroblasts. Blithe DL, et al. **Biochemistry** 1980 Jul 8;19(14):3386-95

Identification of a cellular protein substrate phosphorylated by the avian sarcoma virus-transforming gene product. Erikson E, et al. **Cell** 1980 Oct;21(3):829-36

Evidence that the phosphorylation of tyrosine is essential for cellular transformation by Rous sarcoma virus. Sefton BM, et al. **Cell** 1980 Jul;20(3):807-16

Temperature sensitive phosphoproteins in rat cells transformed by a temperature sensitive mutant of rous sarcoma virus. Segawa K, et al. **J Biochem (Tokyo)** 1980 Jul;88(1):277-80

Glycosaminoglycans and other carbohydrate groups bound to proteins of control and transformed cells. Baker SR, et al. **J Biol Chem** 1980 Sep 25;255(18):8719-28

In vitro phosphorylation of the 36K protein in extract from Rous sarcoma virus-transformed chicken fibroblasts. Kobayashi N, et al. **J Biol Chem** 1981 Mar 25;256(6):3053-8

Hyaluronate-protein complex of rous sarcoma virus-transformed chick embryo fibroblasts. Mikuni-Takagaki Y, et al. **J Biol Chem** 1981 Aug 25; 256(16):8463-9

Budding of Rous sarcoma virus and vesicular stomatitis virus from localized lipid regions in the plasma membrane of chicken embryo fibroblasts. Pessin JE, et al. **J Biol Chem** 1980 Oct 10;255(19):9044-50

Viral DNA synthesized in vitro by avian retrovirus particles permeabilized with melittin. II. Evidence for a strand displacement mechanism in plus-strand synthesis. Boone LR, et al. **J Virol** 1981 Jan;37(1):117-26

Viral DNA synthesized in vitro by avian retrovirus particles permeabilized with melittin. I. Kinetics of synthesis and size of minus- and plus-strand transcripts. Boone LR, et al. **J Virol** 1981 Jan;37(1):109-16

Synthesis of plus strands of retroviral DNA in cells infected with avian sarcoma virus and mouse mammary tumor virus. Kung HJ, et al. **J Virol** 1981 Jan;37(1):127-38

Correlation of RNA binding affinity of avian oncornavirus p19 proteins with the extent of processing of virus genome RNA in cells. Leis JP, et al. **J Virol** 1980 Sep;35(3):722-31

Spontaneous conversion of nontransformed avian sarcoma virus-infected rat cells to the transformed phenotype. Turek LP, et al. **J Virol** 1980 Aug;35(2):466-78

Regulation of intracellular levels of calmodulin and tubulin in normal and transformed cells. Chafouleas JG, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):996-1000

A cellular protein that associates with the transforming protein of Rous sarcoma virus is also a heat-shock protein. Oppermann H, et al. **Proc Natl Acad Sci USA** 1981 Feb; 78(2):1067-71

The genesis of Rous sarcoma virus messenger RNAs. Hackett PB, et al. **Virology** 1981 Jul 30;112(2):714-28

Recovered src genes are polymorphic and contain host markers. Vigne R, et al. **Virology** 1980 Aug;105(1):71-85

Rous sarcoma virus precursor protein pr 76 is processed in avian sarcoma virus-transformed mammalian cells after fusion-injection of viral protein p 15. von der Helm K, et al. **Virology** 1980 Oct 30;106(2):310-6

Mutant retrovirus particles package vesicular stomatitis virus mRNA during mixed infection. Yakobson E, et al. **Virology** 1981 Feb;109(1):183-7

Phosphorylation of pp60src and the cycloheximide insensitive activation of the pp60src-associated kinase activity of transformation-defective temperature-sensitive mutants of Rous sarcoma virus. Ziemiecki A, et al. **Virology** 1980 Oct 30;106(2):391-4

[Virus-specific double-stranded RNA in the composition of the microsomal RNA of Rous sarcoma cells] Perevozchikov AP, et al. **Dokl Akad Nauk SSSR** 1981; 256(4):987-9 **(Rus)**

PATHOGENICITY

Induction of neoplasms by subgroup E recombinants of exogenous and endogenous avian retroviruses (Rous-associated virus type 60). Crittenden LB, et al. **J Virol** 1980 Feb;33(2):915-9

Isolates of avian sarcoma virus Bratislava 77 (B77) oncogenic for mammals do not contain an excess of transformation-defective mutants. Smida J, et al. **Neoplasma** 1980;27(6):661-8

[Characteristics of the type C virus produced by Rous sarcoma virus-transformed hamster cells] Cherepantseva EA, et al. **Vopr Virusol** 1980 May-Jun;(3):354-60 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Characterization of a temperature-sensitive membrane alteration in chick embryo fibroblasts infected with a temperature-sensitive mutant of Rous sarcoma virus. Eger R, et al. **Biochim Biophys Acta** 1980 Aug 4;600(2):313-9

Properties of two temperature-sensitive Rous sarcoma virus transformed cerebellar cell lines. Giotta GJ, et al. **Brain Res** 1980 Dec 8;202(2):445-58

Genetic and biochemical approaches to analyzing transformation by Rous sarcoma virus. Anderson DD, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):1031-41

Molecular events in cells transformed by Rous Sarcoma virus. Erikson RL, et al. **J Cell Biol** 1980 NOV;87(2 Pt 1):319-25 (62 ref.)

Stimulation of growth rate of chondrocytes by Rous sarcoma virus is not coordinated with other expressions of the src gene phenotype. Tanaka A, et al. **J Virol** 1980 Aug; 35(2):531-41

Specific dephosphorylation of membrane proteins in Rous sarcoma virus-transformed chick embryo fibroblasts. Witt DP, et al. **Nature** 1980 Sep 18;287(5779):241-4

On the biochemistry of transformation by Rous sarcoma virus. Singer SJ, et al. **Prog Clin Biol Res** 1980;41:765-72

An avian sarcoma virus mutant which produces an aberrant transformation affecting cell morphology. Fujita DJ, et al. **Virology** 1981 May;111(1):223-38

Transformation parameters induced in chick cells by incubation in media of altered NaCl concentration. Garry RF, et al. **Virology** 1981 Jun;111(2):427-39

Transformation-enhancing factor(s) released from chicken Rous sarcoma cells: effect on some transformation parameters. Kryceve-Martinerie C, et al. **Virology** 1981 Jul 30;112(2):436-49

Two cellular proteins that immunoprecipitate with the transforming protein of Rous sarcoma virus. Oppermann H, et al. **Virology** 1981 Sep;113(2):736-51

RADIATION EFFECTS

Sensitivity to gamma rays of avian sarcoma and murine leukemia viruses. Toyoshima K, et al. **Virology** 1980 Sep; 105(2):508-15

ULTRASTRUCTURE

Secondary structural features in the 70S RNAs of Moloney murine leukemia and Rous sarcoma viruses as observed by electron microscopy. Murti KG, et al. **J Virol** 1981 Jan; 37(1):411-19

ROWSON-PARR VIRUS see **FRIEND VIRUS**

ROXARSONE see under **ARSENICALS**

RUBBER

Flexible elastomer molds in burn scar control. Malick MH, et al. **Am J Occup Ther** 1980 Sep;34(9):603-8

An update on elastomeric impression materials. Brown D. **Br Dent J** 1981 Jan 20;150(2):35-40

Correlation of urinary thioethers with chemical exposure in a rubber plant. Kilpikari I. **Br J Ind Med** 1981 Feb; 38(1):98-100

Mortality in the British rubber industries 1966-76 [editorial] **Br Med J** 1980 Aug 16;281(6238):471-2

Effects of contact with vacutainer tube stoppers on the estimation of quinidine in serum and plasma. Ooi DS, et al. **Clin Biochem** 1980 Dec;13(6):297-300

Nickel penetration through rubber gloves. Wall LM. **Contact Dermatitis** 1980 Dec;6(7):461-3

Tear energy of elastomers for maxillofacial applications. Goldberg AJ, et al. **J Oral Rehabil** 1980 Nov;7(6):445-51

Comparison of elastomeric impression materials used in fixed prosthodontics. Ciesco JN, et al. **J Prosthet Dent** 1981 Jan; 45(1):89-94

Base shade determination of a new elastomer for maxillofacial prostheses. Duncan JD, et al. **J Prosthet Dent** 1980 Dec; 44(6):654-5

Time-dependent accuracy of elastomer impression materials. Part I: Condensation silicones. Lacy AM, et al. **J Prosthet Dent** 1981 Feb;45(2):209-15

Time-dependent accuracy of elastomer impression materials. Part II: Polyether, polysulfides, and polyvinylsiloxane. Lacy AM, et al. **J Prosthet Dent** 1981 Mar;45(3):329-33

Developing opportunities for research in occupational medicine. Veys CA. **J Soc Occup Med** 1981 Jan;31(1):19-26

Cancer risk among rubber workers. Hakama M, et al. **J Toxicol Environ Health** 1980 Sep-Nov;6(5-6):1211-8

A case-control study of leukemia in the U.S. rubber industry. Wolf PH, et al. **JOM** 1981 Feb;23(2):103-8

Silicone rubber and natural rubber as biomaterials. Courtney JM, et al. **Med Biol Eng Comput** 1980 Jul;18(4):538-40

Electrical hazards incurred when using anti-static anaesthetic hose. Tilling SE, et al. **Med Prog Technol** 1981;8(2):93-8

Mutagenicity in urine of workers in rubber industry. Falck K, et al. **Mutat Res** 1980 Sep;79(1):45-52

Elastomeric impression materials. Dimensional stability and surface detail sharpness following treatment with disinfection solutions. Bergman M, et al. **Swed Dent J** 1980; 4(4):161-7

Theories of rubber-like elasticity and the behaviour of filled rubber. Mullins L. **Symp Soc Exp Biol** 1980;34:273-88

Modeling of digestive tract lesions using silicone rubber RTV (KE-12). Asaki S, et al. **Tokoho J Exp Med** 1981 Feb; 133(2):155-65

[Effect of rubber seed oil on the development and regression of experimental atherosclerosis of the aorta in rabbits (author's transl)] Liu CR, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1981 Mar; 9(1):54-7 (Eng. Abstr.) **(Chi)**

[Action of ethylene oxide on plastic materials, silicones and rubbers (author's transl)] Chaigneau M. **Ann Pharm Fr** 1980 Oct;38(4):315-21 (Eng. Abstr.) **(Fre)**

[Experience in disinfecting the rubber handrails of the escalators in subways] Pisarenko GIa, et al. **Gig Sanit** 1981 Apr;(4):70-1 **(Rus)**

[Storage of rubber goods in the hospital] Chirkov AI. **Voen Med Zh** 1980 Dec;(12):57-8 **(Rus)**

[Allergic diseases in the rubber industry] Sidorenko EN, et al. **Vrach Delo** 1980 Dec;(12):14-6 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Occupational dermatitis. An epidemiological study in the rubber and cement industries. Varigos GA, et al. **Contact Dermatitis** 1981 Mar;7(2):105-10

[The toxic effect of surgical drains on tissue culture] Mandys V, et al. **Cesk Patol** 1980 May;16(2):83-7 (Eng. Abstr.) **(Cze)**

[Periodontal disease morbidity and the oral hygiene state in workers of the Stomil plants in Wolbrom] Kaczmarczyk-Stachowska A, et al. **Czas Stomatol** 1981 Jan;34(1):89-95 (Eng. Abstr.) **(Pol)**

[Hypersensitivity to Monox ZA: allergen sources and cross reactions] Rudzki E, et al. **Przegl Dermatol** 1980; 67(6):735-41 **(Pol)**

[Chromosome aberration and sister chromatid exchange study of female workers in the rubber industry] Novikov IuI, et al. **Akush Ginekol (Mosk)** 1981 Jan;(1):22-3 (Eng. Abstr.) **(Rus)**

ANALYSIS

Aqueous extraction of N-nitrosamines from elastomers. Ireland CB, et al. **Am Ind Hyg Assoc J** 1980 Dec; 41(12):895-900

Rubber stopper and component identification using syringeless gas chromatography. Mattson LN, et al. **J Parent Drug Assoc** 1980 Nov-Dec;34(6):436-46

[Process of monomer migration from shoe rubbers] Tararin VV. **Gig Sanit** 1980 Oct;(10):57-9 **(Rus)**

CLASSIFICATION

[Quantitative determination of ammonia given off by rubber seals using an ammonia-selective membrane electrode] Kovács P, et al. **Acta Pharm Hung** 1981 Jan;51(1):12-9 (Eng. Abstr.) **(Hun)**

METABOLISM

Rumen metabolism and absorption of a 14C-labelled elastomeric copolymer and its value as a roughage substitute for cattle. Bartley EE, et al. **J Anim Sci** 1981 May;52(5):1150–63

STANDARDS

Elastomeric impression making. Biologic, psychologic, and physical considerations. Horn HR. **Dent Clin North Am** 1981 Jul;25(3):481–92

Validation of elastomeric closures for parenteral use: an overview. Wood RT. **J Parent Drug Assoc** 1980 Jul–Aug; 34(4):286–94

Remarks about some pharmacopoieal safety tests for plastics and elastomers. Jacker HJ. **Pol J Pharmacol Pharm** 1980 Jan–Feb;32(1):85–90

[ADA specification No. 19 for non-aqueous, elastomeric dental impression material] Hirasawa T, et al. **Shika Rikogaku Zasshi** 1981 Jan;22(57):97–8 **(Jpn)**

TOXICITY

Toxicological aspects of chemical hazards in the rubber industry. Holmberg B, et al. **J Toxicol Environ Health** 1980 Sep–Nov;6(5–6):1201–9

Inhibitory effect of rubber on the growth of M. tuberculosis. Allen BW. **Tubercle** 1980 Jun;61(2):91–5

[Hygienic evaluation of the organic sulfur vulcanization accelerators in rubbers for the food industry] Stankevich VV, et al. **Gig Sanit** 1980 Oct;(10):88–9 **(Rus)**

[Controlled cell cultivation. V. The effect of various rubbers on the isolated neurons of Limnaea stagnalis in culture] Arkhipov VV, et al. **Tsitologila** 1980 Aug;22(8):998–1000 (Eng. Abstr.) **(Rus)**

RUBBER, SILICONE see **SILICONE ELASTOMERS**

RUBEFACIENTS see **IRRITANTS**

RUBELLA

Deafness and rubella: infants in the 60's, adults in the 80's. **Am Ann Deaf** 1980 Nov;125(8):959–1030

Deafness and rubella: infants in the '60s, adults in the '80s. Introduction. Castle WE. **Am Ann Deaf** 1980 Nov; 125(8):961–2

Neurologic damage and behavior disorder in rubella children. Chess S, et al. **Am Ann Deaf** 1980 Nov;125(8):998–1001

But don't quote me: reflections by parents on deafness and rubella. Fairchild B. **Am Ann Deaf** 1980 Nov; 125(8):1007–11

Deaf-blind children with maternal rubella: implications for adult services. Lockett T, et al. **Am Ann Deaf** 1980 Nov; 125(8):1002–6

Deafness and rubella: a challenge and a charge to rehabilitation. Mills C. **Am Ann Deaf** 1980 Nov; 125(8):1026–30

Rubella-caused deafness: maintaining objectivity and a positive frame of reference. Pimentel AT. **Am Ann Deaf** 1980 Nov;125(8):1012–4

Deafness and rubella: infants in the '60s, adults in the '80s. Silverman SR. **Am Ann Deaf** 1980 Nov;125(8):963–7

Projections for deaf students with maternal rubella: college and other alternatives. Stuckless ER. **Am Ann Deaf** 1980 Nov;125(8):985–92

The demographics of deafness resulting from maternal rubella. Trybus RJ, et al. **Am Ann Deaf** 1980 Nov; 125(8):977–84

Handicapping conditions associated with the congenital rubella syndrome. Vernon M, et al. **Am Ann Deaf** 1980 Nov;125(8):993–7

The 'rubella bulge' and vocational planning. Wyks HW. **Am Ann Deaf** 1980 Nov;125(8):1022–5

Spontaneous absorption of the lens in the congenital rubella syndrome. Boger WP 3d, et al. **Arch Ophthalmol** 1981 Mar; 99(3):433–4

Fetal infection resulting from maternal rubella after the first trimester of pregnancy. Cradock-Watson JE, et al. **J Hyg (Lond)** 1980 Dec;85(3):381–91

Audiological findings in children with a congenital rubella syndrome. Osterhammel D. **Scand Audiol [Suppl]** 1980; (Suppl 10):33–44

COMPLICATIONS

Relationship of rubella, herpes simplex, cytomegalovirus, and certain other viral disabilities. Vernon M, et al. **Am Ann Deaf** 1980 Aug;125(5):529–34

Rubella and acute appendicitis [letter] Rabau MY, et al. **Pediatrics** 1980 Nov;66(5):813

[Progressive chronic encephalitis of rubella. Apropos of a case] Dayras JC, et al. **Ann Pediatr (Paris)** 1980 Apr; 27(4):217–22 (Eng. Abstr.) **(Fre)**

[Acquired rubella : encephalitis with exophthalmos (letter)] Lechevalier B, et al. **Nouv Presse Med** 1979 Jan 27; 8(5):368–9 **(Fre)**

[Progressive chronic rubella encephalitis. Report of a personal case (author's transl)] Dayras JC, et al. **Sem Hop Paris** 1980 Nov 8–15;56(41–42):1703–8 (Eng. Abstr.) **(Fre)**

[Progressive rubella panencephalitis in a child with acute lymphatic leukemia] Meyer E, et al. **Monatsschr Kinderheilkd** 1980 May;128(5):242–3 **(Ger)**

[Congenital german measles encephalitis (author's transl)] Frisch H, et al. **Paediatr Paedol** 1980;15(2):143–54 (Eng. Abstr.) **(Ger)**

[Central nervous system complications following rubella] Franco S, et al. **Harefuah** 1980 Dec 15;99(12):426–7 (Eng. Abstr.) **(Heb)**

[Neurologic complications following postnatal rubella] Njå F, et al. **Tidsskr Nor Laegeforen** 1981 Mar 30; 101(9–10):566–9 (Eng. Abstr.) **(Nor)**

[Congenital hearing defects after rubella] Olsholt H, et al. **Tidsskr Nor Laegeforen** 1980 Aug 10;100(22):1270–2 (Eng. Abstr.) **(Nor)**

[Rubella arthritis] Comet Segu R, et al. **Rev Clin Esp** 1980 Aug 15–31;158(3–4):171–2 **(Spa)**

CONGENITAL

Keratoconus and acute hydrops in mentally retarded patients with congenital rubella syndrome. Boger WP 3d, et al. **Am J Ophthalmol** 1981 Feb;91(2):231–3

Tracheoesophageal fistula and anomalies of thoracic vessels: their occurrence in a case of congenital rubella. Garcia AG, et al. **Arch Pathol Lab Med** 1981 Feb;105(2):109–11

Failure of rubella immunisation after blood transfusion: birth of congenitally infected infant. Watt RW, et al. **Br Med J** 1980 Oct 11;281(6246):977–8

Congenital rubella affecting an infant whose mother had rubella antibodies before conception [letter] **Br Med J [Clin Res]** 1981 Apr 11;282(6271):1235–6

Congenital rubella affecting an infant whose mother had rubella antibodies before conception. Partridge JW, et al. **Br Med J [Clin Res]** 1981 Jan 17;282(6259):187–8

A case of suspected congenital rubella encephalopathy. Inomata K, et al. **Brain Dev** 1980;2(4):401–5

Cardiac malformations in congenital rubella syndrome. Kher HL, et al. **Indian Pediatr** 1980 Aug;17(8):693–8

Examination of the anterior vascular capsule of the lens: III. Abnormalities in infants with congenital infection. Hittner HM, et al. **J Pediatr Ophthalmol Strabismus** 1981 Mar–Apr; 18(2):55–60

Abnormalities of the vas deferens and epididymis in cryptorchid boys with congenital rubella. Priebe CJ Jr, et al. **J Pediatr Surg** 1979 Dec;14(6):834–8

Pregnant women still vulnerable to rubella [news] Check WA. **JAMA** 1981 Jan 23–30;245(4):325–6

Congenital rubella, insulitis, and diabetes mellitus in an infant [letter] Patterson K, et al. **Lancet** 1981 May 9; 1(8228):1048–9

Nosocomial rubella infection – North Dakota, Alabama, Ohio. **MMWR** 1981 Jan 9;29(52):630–1

Late ocular complications in congenital rubella syndrome. Boger WP 3d. **Ophthalmology (Rochester)** 1980 Dec; 87(12):1244–52

[Radiographic bone changes in congenital rubella syndrome] Grunebaum M, et al. **Harefuah** 1980 Oct 1;99(7):154–6 (Eng. Abstr.) **(Heb)**

[Investigations on the occurrence of congenital cataract as a sign of rubella embryopathy (author's transl)] Gerkowicz K, et al. **Klin Oczna** 1980 Apr;82(4):211–2 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Comparison of the sensitivity of ELISA and the haemagglutination-inhibition test for routine diagnosis of rubella. Vejtorp M, et al. **Acta Pathol Microbiol Scand [B]** 1980 Dec;88B(6):349–50

How to diagnose rubella during pregnancy. McCubbin JH, et al. **Am Fam Physician** 1981 Feb;23(2):205–8

Diagnosis of recent rubella virus infection by demonstration of specific immunoglobulin M antibodies: comparison of solid-phase reverse immunosorbent test with sucrose density gradient centrifugation. Denoyel GA, et al. **J Clin Microbiol** 1981 Apr;13(4):698–704

Simple technique for separation of concentrated immunoglobulin M fractions by multi-sample gel chromatography and its application to rubella serodiagnosis. Inouye S, et al. **J Clin Microbiol** 1981 Feb; 13(2):248–51

Application of immunoperoxidase staining to more rapid detection and identification of rubella virus isolates. Schmidt NJ, et al. **J Clin Microbiol** 1981 Apr;13(4):627–30

Hemadsorption immunosorbent technique for determination of rubella immunoglobulin M antibody. van der Logt JT, et al. **J Clin Microbiol** 1981 Mar;13(3):410–5

Evaluation of commercially available diagnostic test kits for rubella. Castellano GA, et al. **J Infect Dis** 1981 Apr; 143(4):578–84

Hemagglutination inhibition, single radial hemolysis, and ELISA tests for the detection of IgG and IgM to rubella virus. Champsaur H, et al. **J Med Virol** 1980;5(4):273–86

Evaluation of solid-phase enzyme-immunoassay procedure in immunity surveys and diagnosis of rubella. Vaheri A, et al. **J Med Virol** 1980;5(3):171–81

Which rubella screening test? [letter] Croxson MC. **NZ Med J** 1981 May 13;93(683):317

Rubella cases mistaken for dengue fever. Tan DS, et al. **Singapore Med J** 1980 Dec;21(6):769–70

[Rubella screening using the haemolysis-in-gel test from dried newborn blood on filter paper (author's transl)] Sander J, et al. **Dtsch Med Wochenschr** 1980 Jun 6; 105(23):827–9 (Eng. Abstr.) **(Ger)**

[Rapid method of determining specific class M immunoglobulins against rubella virus: class G immunoglobulin absorption by Staphylococcus aureus] Kantorovich RA, et al. **Vopr Virusol** 1980 Jan–Feb; (1):103–6 **(Rus)**

ETIOLOGY

Rubella-associated arthritis: rescue of rubella virus from peripheral blood lymphocytes two years postvaccination. Chantler JK, et al. **Infect Immun** 1981 Jun;32(3):1274–80

IMMUNOLOGY

Solid phase anti-IgM ELISA for detection of rubella specific IgM antibodies. Vejtorp M. **Acta Pathol Microbiol Scand [B]** 1981 Apr;89B(2):123–8

Characterization of immune complexes in progressive rubella panencephalitis. Coyle PK, et al. **Ann Neurol** 1981 Jun; 9(6):557–62

Description of a technique for the determination of the concentration and quality of rubella virus antibody molecules and experience with testing sera from humans with recent and past rubella infection. Hoppe G, et al. **Arch Virol** 1980;65(2):109–21

Persistence of antibody 10 years after vaccination with Wistar RA27/3 strain live attenuated rubella vaccine. Hillary IB, et al. **Br Med J** 1980 Jun 28;280(6231):1580–1

Factors influencing rubella immunity in women. Clubb RA, et al. **Br Med J [Clin Res]** 1981 Jan 24;282(6260):275–7

Epidemiological studies of rubella virus in a tropical African community. Clarke M, et al. **Bull WHO** 1980;58(6):931–5

Can we prevent an increase in the incidence of congenital rubella syndrome in the next decade? Coulombe L, et al. **Can Med Assoc J** 1981 Jul 1;125(1):37–40

Assay of rubella antibody by passive hemagglutination and by a modified indirect immunofluorescence test. Deibel R, et al. **Infection** 1980;8 Suppl 3:S 255–60

Rubella-specific serum and nasopharyngeal antibodies in volunteers with naturally acquired and vaccine-induced immunity after intranasal challenge. Harcourt GC, et al. **J Infect Dis** 1980 Aug;142(2):145–55

Rubella immunity by four different techniques: results of challenge studies. Best JM, et al. **J Med Virol** 1980; 5(3):239–47

Circulating immune complexes containing rubella antigens in late-onset rubella syndrome. Tardieu M, et al. **J Pediatr** 1980 Sep;97(3):370–3

Immunity to rubella amongst service personnel. Alexander I, et al. **J R Army Med Corps** 1980 Jun;126(2):77–80

Rubella viraemia and antibody responses after rubella vaccination and reimmunization. Balfour HH Jr, et al. **Lancet** 1981 May 16;1(8229):1078–80

Rubella immunity in pregnancy [letter] Menser MA. **Med J Aust** 1981 May 16;1(10):538

Rubella on a university campus: an evaluation of case immunity histories. Strassburg MA, et al. **Nurs Res** 1980 Nov–Dec;29(6):390–1

Rubella serology [letter] Hermon Y. **NZ Med J** 1981 Jul 8;93(687):24

Our rubella problem: a plea for help [letter] Hermon Y, et al. **NZ Med J** 1981 Mar 11;93(679):163

Rubella immunisation [letter] Paul C. **NZ Med J** 1980 Dec 10;92(673):440

Rubella immunity in family planning clinic attenders. Gandy RJ. **Public Health** 1981 Jan;95(1):46–7

Lack of correlation between the incidence of rubella antibody and the distribution of HLA antigens in a Danish population. Hansen HE, et al. **Tissue Antigens** 1980 Mar; 15(3):325–8

Rubella immunity in Nigerian children. Odelola HA, et al. **Trans R Soc Trop Med Hyg** 1980;74(6):743–4

[Determination and differentiation of rubella and cytomegalovirus infections antibodies by enzyme-linked-immunosorbent assay (author's transl)] Fattal-German M, et al. **Ann Pharm Fr** 1981 May; 39(1):21–6 **(Fre)**

[Reasons for repeated serologically unsuccessful (HAI-HIG test) rubella vaccination (author's transl)] Ehrengut W, et al. **Dtsch Med Wochenschr** 1981 Jul 31;106(31–32):987–9 (Eng. Abstr.) **(Ger)**

[Rubella screening of dried infant blood by the hemolysis in gel test using paper filter (letter)] Sander J, et al. **Dtsch Med Wochenschr** 1980 Aug 22;105(34):1191–2 **(Ger)**

[Serologic rubella diagnosis. The determination of minimal rubella antibody levels] Dennin RH. **Fortschr Med** 1981 Jul 2;99(25):986–90 (Eng. Abstr.) **(Ger)**

[Quantitative changes in the serum immunoglobulins in rubella and infectious mononucleosis] Zozikov V, et al. **Paediatr Grenzgeb** 1980;19(2):103–6 (Eng. Abstr.) **(Ger)**

[Serological assay of measles and rubella immunity in a sample of infantile population in palermo (author's transl)] Arista S, et al. **Ann Sclavo** 1980 Jan–Feb;22(1):42–8 (Eng. Abstr.) **(Ita)**

[The Distribution of hemagglutination-inhibition antibodies against rubella virus in a sample of the female population in Emilia-Romagna (author's transl)] Mazzaracchio R, et al. **Ann Sclavo** 1980 Mar–Apr;22(2):136–40 (Eng. Abstr.) **(Ita)**

[Incidence of rubella infection studied by detection of rubella virus antibodies in a school population of adolescent girls] Piro E, et al. **Ann Sclavo** 1980 Jan–Feb;22(1):49–56 **(Ita)**

[ELISA (demonstration of IgG and IgM antibodies in

cytomegaly and rubella virus infections)] Ziegelmaier R, et al. **Ric Clin Lab** 1980;10 Suppl 2:83–92 **(Ita)**

[Rubella in Rio de Janeiro: a four year (1973—1976) sero-epidemiologic study in young women (author's transl)] Sturm JA. **Rev Bras Pesqui Med Biol** 1980 Apr; 13(1–3):47–52 (Eng. Abstr.) **(Por)**

[Clinical reactions to vaccination against rubeola in adults] Candeias JA, et al. **Rev Saude Publica** 1980 Mar;14(1):88–92 (Eng. Abstr.) **(Por)**

OCCURRENCE

Epidemic potential of measles and rubella. Hinman AR, et al. **J Am Coll Health Assoc** 1980 Dec;29(3):105–9

Rubella problems in the Czech Socialist Republic (CSR). Strauss J, et al. **J Hyg Epidemiol Microbiol Immunol (Praha)** 1979; 23(4):378–88

From the Center for Disease Control. Current status of rubella in the United States, 1969–1979. Preblud SR, et al. **J Infect Dis** 1980 Nov;142(5):776–9

Rubella in pregnancy: a guide to rational counseling [editorial] Fulginiti VA, et al. **JAMA** 1981 Apr 24; 245(16):1666

Assessing risks of rubella infection during pregnancy. A standardized approach. Mann JM, et al. **JAMA** 1981 Apr 24;245(16):1647–52

An outbreak of rubella among Malaysian Air Force recruits, 1979. Supramaniam V, et al. **Med J Malaysia** 1980 Jun; 34(4):415–7

Rubella on a university campus: an evaluation of case immunity histories. Strassburg MA, et al. **Nurs Res** 1980 Nov–Dec;29(6):390–1

Rubella outbreak among hospital employees. Strassburg MA, et al. **Obstet Gynecol** 1981 Mar;57(3):283–8

A rubella epidemic in an unvaccinated pregnant population. I. Screening methods and serological results. Skaug K, et al. **Scand J Infect Dis** 1981;13(1):11–5

Measles, mumps, and rubella. **Stat Bull Metropol Life Insur Co** 1980 Jul–Sep;61(3):8–10

[Immunological indexes of receptivity and seroconversion for rubella and toxoplasmosis in the province of Ferrara, Italy (author's transl)] Ferrucci M, et al. **Ann Sclavo** 1980 Jul–Aug;22(4):606–23 (Eng. Abstr.) **(Ita)**

[Rubella seroepidemiology. proposal of a predictive mathmatical model (author's transl)] Jovine R, et al. **Ann Sclavo** 1980 Jul–Aug;22(4):593–605 (Eng. Abstr.) **(Ita)**

[Incidence of rubella infection studied by detection of rubella virus antibodies in a school population of adolescent girls] Piro E, et al. **Ann Sclavo** 1980 Jan–Feb;22(1):49–56 **(Ita)**

[Seroepidemiology of rubella in Rome (1972–1978)] Volpi A, et al. **Boll Ist Sieroter Milan** 1980 Jan 31;58(6):453–6 (Eng. Abstr.) **(Ita)**

[Rubella in Rio de Janeiro: a four year (1973—1976) sero-epidemiologic study in young women (author's transl)] Sturm JA. **Rev Bras Pesqui Med Biol** 1980 Apr; 13(1–3):47–52 (Eng. Abstr.) **(Por)**

PREVENTION & CONTROL

An evaluation of the United States rubella immunization program. Preblud SR, et al. **Am Ann Deaf** 1980 Nov; 125(8):968–76

Optimum use of rubella immunization. Mayer TR. **Am Fam Physician** 1981 Jan;23(1):143–5

The present prophylactic trends of rubella and measles. Zardi O, et al. **Biochem Exp Biol** 1979;15(3):223–8

Health education to improve rubella immunisation in schools [letter] Barcroft BM. **Br Med J** 1980 Sep 20;281(6243):811

Health education to improve rubella immunisation in schools [letter] Houghton J. **Br Med J** 1980 Oct 4;281(6245):944

Health education to improve rubella immunisation in schools. Jones SA. **Br Med J** 1980 Sep 6;281(6241):649–50

Factors influencing rubella immunity in women [letter] Vaile MS. **Br Med J [Clin Res]** 1981 Feb 28;282(6265):738

Rubella immunization [letter] Johnstone T. **Can Med Assoc J** 1981 May 15;124(10):1267

Strategy for rubella vaccination. Knox EG. **Int J Epidemiol** 1980 Mar;9(1):13–23

Rubella prevention in family practice with RA27/3 vaccine. Hansen NH. **J Fam Pract** 1980 Oct;11(4):537–42

Are many women immunized against rubella unnecessarily? Mortimer PP, et al. **J Hyg (Lond)** 1981 Aug;87(1):131–8

Fetomaternal apects of immunization with RA27/3 live attenuated rubella virus vaccine during pregnancy. Bernstein DI, et al. **J Pediatr** 1980 Sep;97(3):467–70

Fetal perspective of rubella vaccine efficacy and safety [editorial] Fox JP. **JAMA** 1981 Sep 25;246(13):1444–5

Premarital rubella screening in Rhode Island. Lieberman E, et al. **JAMA** 1981 Apr 3;245(13):1333–5

Rubella vaccine and susceptible hospital employees. Poor physician participation. Orenstein WA, et al. **JAMA** 1981 Feb 20;245(7):711–3

Fetal risk associated with rubella vaccine. Preblud SR, et al. **JAMA** 1981 Sep 25;246(13):1413–7

Rubella vaccination of hospital employees [editorial] Preblud SR, et al. **JAMA** 1981 Feb 20;245(7):736–7

Rubella prevention. **MMWR** 1981 Feb;30(4):37–42, 47

Immunisations in the fifth year of life: a report from the Dunedin Multidisciplinary Child Development Study. Silva PA, et al. **NZ Med J** 1981 Mar 25;93(680):180–1

Rubella immunisation [letter] St George I. **NZ Med J** 1981 Jan 28;93(676):58

A public health perspective on the immunizable diseases: physicians should examine their practices for opportunities to expand vaccine usage in adults and adolescents. Faich GA. **RI Med J** 1981 Apr;64(4):207–11

[Changes in antibody titre after rubella vaccination in primarily rubella-sera positive parturient women. Demonstration of antigen-specific (rubella) and non-specific stimulated antibody titres (author's transl)] Doerr HW, et al. **Dtsch Med Wochenschr** 1980 Sep 19; 105(38):1316–20 (Eng. Abstr.) **(Ger)**

[Rubella vaccination—in early childhood or school age?] Ehrengut W. **Dtsch Med Wochenschr** 1980 Aug 22; 105(34):1165–7 **(Ger)**

[Management of suspected rubella infection in pregnancy and the prevention of rubella by the gynecologist] Ortner A, et al. **Gynaekol Rundsch** 1980 Jun;20 Suppl 2:227–9 **(Ger)**

[Rubella prophylactic immunization problems in the Czechoslovak SSR: experiences with Ra 2713 and Cendehill rubella vaccines] Strauss J, et al. **Z Gesamte Hyg** 1980;26(5):360–2 (Eng. Abstr.) **(Ger)**

[Rubella vaccines (author's transl)] Rossolini A, et al. **Ann Sclavo** 1979 Nov–Dec;21(6):848–55 (Eng. Abstr.) **(Ita)**

[Problems of rubella prevention: vaccination of 51 fertile young women with the Wister Ra 27/3 virus strain] Russo F, et al. **Ann Sclavo** 1980 Jan–Feb;22(1):57–62 **(Ita)**

[Importance of active and passive anti-rubella immunoprophylaxis] Del Piano M. **Nuovi Ann Ig Microbiol** 1979 Nov–Dec;30(6):404–20 (Eng. Abstr.) **(Ita)**

TRANSMISSION

Failure of rubella immunisation after blood transfusion [letter] Banatvala JE, et al. **Br Med J [Clin Res]** 1981 Feb 28; 282(6265):738

Neonatal rubella in a breast-fed infant after postpartum maternal infection. Klein EB, et al. **J Pediatr** 1980 Nov; 97(5):774–5

Neonatal rubella following postpartum maternal immunization. Landes RD, et al. **J Pediatr** 1980 Sep; 97(3):465–7

Neonatal rubella following maternal immunization [letter] Lerman SJ. **J Pediatr** 1981 Apr;98(4):668–9

Nosocomial rubella infection - North Dakota, Alabama, Ohio. **MMWR** 1981 Jan 9;29(52):630–1

Rubella exposure in an obstetric clinic. Gladstone JL, et al. **Obstet Gynecol** 1981 Feb;57(2):182–6

RUBELLA VACCINE

Stability on storage at various temperatures of live measles, mumps and rubella virus vaccines in new stabilizer. McAleer WJ, et al. **J Biol Stand** 1980;8(4):281–7

Rubella vaccine and susceptible hospital employees. Poor physician participation. Orenstein WA, et al. **JAMA** 1981 Feb 20;245(7):711–3

Rubella--a safe and necessary vaccine. Hiddlestone HJ. **NZ Med J** 1980 Aug 13;92(665):101–4

Rubella vaccine [letter] Langford D. **NZ Med J** 1981 May 13;93(683):315

Maxwell Finland lecture: viral vaccines and their ways. Horstmann DM. **Rev Infect Dis** 1979 May-Jun;1(3):502–16 (65 ref.)

[Rubella vaccines (author's transl)] Rossolini A, et al. **Ann Sclavo** 1979 Nov–Dec;21(6):848–55 (Eng. Abstr.) **(Ita)**

[Importance of active and passive anti-rubella immunoprophylaxis] Del Piano M. **Nuovi Ann Ig Microbiol** 1979 Nov–Dec;30(6):404–20 (Eng. Abstr.) **(Ita)**

ADMINISTRATION & DOSAGE

Optimum use of rubella immunization. Mayer TR. **Am Fam Physician** 1981 Jan;23(1):143–5

Rubella prevention. **MMWR** 1981 Feb;30(4):37–42, 47

Clinical and serologic evaluation of measles, mumps, and rubella (HPV-77:DE-5 and RA 27/3) virus vaccines, singly and in combination. Lerman SJ, et al. **Pediatrics** 1981 Jul;68(1):18–22

Clinical and laboratory studies of combined live measles, mumps, and rubella vaccines using the RA 27/3 rubella virus. Weibel RE, et al. **Proc Soc Exp Biol Med** 1980 Nov; 165(2):323–6

[Changes in antibody titre after rubella vaccination in primarily rubella-sera positive parturient women. Demonstration of antigen-specific (rubella) and non-specific stimulated antibody titres (author's transl)] Doerr HW, et al. **Dtsch Med Wochenschr** 1980 Sep 19; 105(38):1316–20 (Eng. Abstr.) **(Ger)**

[Reasons for repeated serologically unsuccessful (HAI-HIG test) rubella vaccination (author's transl)] Ehrengut W, et al. **Dtsch Med Wochenschr** 1981 Jul 31;106(31–32):987–9 (Eng. Abstr.) **(Ger)**

[Rubella prophylactic immunization problems in the Czechoslovak SSR: experiences with Ra 2713 and Cendehill rubella vaccines] Strauss J, et al. **Z Gesamte Hyg** 1980;26(5):360–2 (Eng. Abstr.) **(Ger)**

[Problems of rubella prevention: vaccination of 51 fertile young women with the Wister Ra 27/3 virus strain] Russo F, et al. **Ann Sclavo** 1980 Jan–Feb;22(1):57–62 **(Ita)**

ADVERSE EFFECTS

An adult's reaction to measles vaccine. Boling HL. **Am J Nurs** 1980 Aug;80(8):1442–3

Rubella-associated arthritis: rescue of rubella virus from peripheral blood lymphocytes two years postvaccination. Chantler JK, et al. **Infect Immun** 1981 Jun;32(3):1274–80

Fetomaternal apects of immunization with RA27/3 live attenuated rubella virus vaccine during pregnancy. Bernstein DI, et al. **J Pediatr** 1980 Sep;97(3):467–70

Neonatal rubella following postpartum maternal immunization. Landes RD, et al. **J Pediatr** 1980 Sep; 97(3):465–7

Neonatal rubella following maternal immunization [letter] Lerman SJ. **J Pediatr** 1981 Apr;98(4):668–9

Fetal perspective of rubella vaccine efficacy and safety [editorial] Fox JP. **JAMA** 1981 Sep 25;246(13):1444–5

Fetal risk associated with rubella vaccine. Preblud SR, et al. **JAMA** 1981 Sep 25;246(13):1413–7

Neomycin sensitivity and the MMR vaccine [letter] Rietschel RL, et al. **JAMA** 1981 Feb 13;245(6):571

Transmission of RA27/3 rubella vaccine strain to products of conception [letter] Banatwala JE, et al. **Lancet** 1981 Feb 14;1(8216):392

[Clinical reactions to vaccination against rubeola in adults] Candeias JA, et al. **Rev Saude Publica** 1980 Mar;14(1):88–92 (Eng. Abstr.) **(Por)**

IMMUNOLOGY

Persistence of antibody 10 years after vaccination with Wistar RA27/3 strain live attenuated rubella vaccine. Hillary IB, et al. **Br Med J** 1980 Jun 28;280(6231):1580–1

Rubella vaccination in the United States: a ten-year review. Preblud SR, et al. **Epidemiol Rev** 1980;2:171–94 (137 ref.)

Specificity of the passive hemagglutination test for antibody to rubella virus and the passive hemagglutination response after vaccination. Cremer NE, et al. **J Clin Microbiol** 1981 Jan;13(1):226–7

Rubella prevention in family practice with RA27/3 vaccine. Hansen NH. **J Fam Pract** 1980 Oct;11(4):537–42

Comparative evaluation of two lots of Wister RA 27/3 rubella virus vaccine in young children. Thind IS. **J Hyg Epidemiol Microbiol Immunol** 1980;24(4):439–47

Rubella immunity testing by mixed hemadsorption. Grandien M, et al. **J Immunol Methods** 1980;38(3–4):343–52

Antibody response to rubella ribonucleoprotein component after natural infection and after immunization. Ho-Terry L, et al. **J Med Microbiol** 1981 Feb;14(1):141–5

Antibody response following rubella immunization analyzed by HLA types. Ishii K, et al. **Jpn J Med Sci Biol** 1980 Apr;33(2):103

Rubella vaccine failures [letter] **Lancet** 1981 Jul 4;2(8236):47

Rubella vaccine [letter] Begg RC. **NZ Med J** 1981 May 27; 93(684):356

Clinical and laboratory studies of live attenuated RA 27/3 and HPV 77-DE rubella virus vaccines. Weibel RE, et al. **Proc Soc Exp Biol Med** 1980 Oct;165(1):44–9

Persistence of antibody in human subjects for 7 to 10 years following administration of combined live attenuated measles, mumps, and rubella virus vaccines. Weibel RE, et al. **Proc Soc Exp Biol Med** 1980 Nov;165(2):260–3

[Natural and post-vaccination seroconversion for rubella virus among female medical students and women working in the public health institutions] Imbs D, et al. **Przegl Epidemiol** 1980;34(2):163–71 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Are many women immunized against rubella unnecessarily? Mortimer PP, et al. **J Hyg (Lond)** 1981 Aug;87(1):131–8

RUBELLA VIRUS

[Inhibition of the process of 4-nitroquinoline-1-oxide-induced DNA break repair in chronically virus-infected human cells] Zasukhina GD, et al. **Vopr Virusol** 1981 Jan–Feb;(1):94–7 (Eng. Abstr.) **(Rus)**

[A comparative study of the thermolability of the rubella virus at 33 degrees C and 30 degrees C (author's transl)] Weisz-Maleček R, et al. **Lijec Vjesn** 1980 Apr; 102(4):168–70 (Eng. Abstr.) **(Scr)**

ANALYSIS

Base composition of rubella virus RNA. Brief report. Katow S, et al. **Arch Virol** 1980;65(1):67–70

Concentration and purification of rubella virus hemagglutinin by hollow fiber ultrafiltration and sucrose density centrifugation. Trudel M, et al. **Can J Microbiol** 1980 Nov; 26(11):1334–9

CLASSIFICATION

Differentiation of rubella virus strains by neutralization kinetics. Gould JJ, et al. **J Gen Virol** 1980 Aug;49(2):423–6

DRUG EFFECTS

Degradation of rubella virus envelope components. Ho-Terry L, et al. **Arch Virol** 1980;65(1):1–13

GENETICS

The generation of defective interfering Rubella virus particles. Bohn EM, et al. **Virology** 1981 Jun;111(2):549–54

GROWTH & DEVELOPMENT

Effect of the infection of rubella virus on BHK 21/13 s cells: study of a glycolipid. Bardeletti G, et al. **Arch Virol** 1981; 68(3–4):285–9

Replication and expression of rubella virus in human lymphocyte populations. Chantler JK, et al. **J Gen Virol** 1980 Oct;50(2):317–28

Evidence for restricted replication of Rubella virus in rat glial cells in culture. Pope DD, et al. **Virology** 1981 Sep; 113(2):776–80

IMMUNOLOGY

Congenital hearing loss and rubella infection. Parving A, et al. **Acta Otolaryngol (Stockh)** 1980 Sep–Oct;90(3–4):262–6

The use of frozen erythrocytes in the single radial haemolysis test (SRHT) for antibodies to rubella virus. Myhrvold V. **Acta Pathol Microbiol Scand [B]** 1981 Apr;89B(2):103–7

Investigation on the role of viral antibodies in the pathogenesis of multiple sclerosis. Matveeva TV, et al. **Acta Virol (Praha)** 1980 Dec;24(6):415–20

Low level rubella immunity detected by ELISA and specific lymphocyte transformation. Buimovici-Klein E, et al. **Arch Virol** 1980;66(4):321–7

Complement-dependent cell lysis assay for quantitation of rubella antibodies. Fujimiya Y, et al. **Arch Virol** 1981; 67(4):361–5

Description of a technique for the determination of the concentration and quality of rubella virus antibody molecules and experience with testing sera from humans with recent and past rubella infection. Hoppe G, et al. **Arch Virol** 1980;65(2):109–21

Single radial haemolysis for rubella antibody screening. Andreoni M, et al. **Boll Ist Sieroter Milan** 1980 Sep 30; 59(4):385–6

Congenital rubella affecting an infant whose mother had rubella antibodies before conception [letter] **Br Med J [Clin Res]** 1981 Apr 11;282(6271):1235–6

Congenital rubella affecting an infant whose mother had rubella antibodies before conception. Partridge JW, et al. **Br Med J [Clin Res]** 1981 Jan 17;282(6259):187–8

Epidemiological studies of rubella virus in a tropical African community. Clarke M, et al. **Bull WHO** 1980;58(6):931–5

Reconstitution of rubella hemagglutinin on liposomes. Trudel M, et al. **Can J Microbiol** 1980 Aug;26(8):899–904

Rubella antibody in neonatal hypothyroidism due to thyroid dysgenesis [letter] Miyai K, et al. **Early Hum Dev** 1981 May;5(2):215–6

Assay of rubella antibody by passive hemagglutination and by a modified indirect immunofluorescence test. Deibel R, et al. **Infection** 1980;8 Suppl 3:S 255–60

Class-specific determination of antibodies against cytomegalo (CMV) and rubella virus by ELISA. Ziegelmaier R, et al. **J Biol Stand** 1981 Jan;9(1):23–33

Nonspecific reactions in the hemagglutination inhibition test for detection of rubella antibodies. Budzko DB, et al. **J Clin Microbiol** 1981 May;13(5):818–23

Comparison of the hemagglutination inhibition test and an indirect fluorescent-antibody test for detection of antibody to rubella virus in human sera. Cremer NE, et al. **J Clin Microbiol** 1980 Jun;11(6):746–7

Specificity of the passive hemagglutination test for antibody to rubella virus and the passive hemagglutination response after vaccination. Cremer NE, et al. **J Clin Microbiol** 1981 Jan;13(1):226–7

Diagnosis of recent rubella virus infection by demonstration of specific immunoglobulin M antibodies: comparison of solid-phase reverse immunosorbent test with sucrose density gradient centrifugation. Denoyel GA, et al. **J Clin Microbiol** 1981 Apr;13(4):698–704

Comparison of hemagglutination inhibition test and enzyme-linked immunosorbent assay for determining antibody to rubella virus. Shekarchi IC, et al. **J Clin Microbiol** 1981 May;13(5):850–4

Hemadsorption immunosorbent technique for determination of rubella immunoglobulin M antibody. van der Logt JT, et al. **J Clin Microbiol** 1981 Mar;13(3):410–5

Reproducibility of serological titers. Wood RJ, et al. **J Clin Microbiol** 1980 Jun;11(6):541–5

Rubella-specific IgM detection using Sephacryl S-300 gel filtration. Morgan-Capner P, et al. **J Clin Pathol** 1980 Nov; 33(11):1082–5

Trypsinised human O erythrocytes in the detection of rubella-specific IgM by sera fractionation on sucrose density gradient and absorption with staphylococcal protein A. Al-Nakib W. **J Clin Pathol** 1981 Jun;34(6):670–3

Rubella antibody determination from heparinised finger-tip blood by single radial haemolysis and enzyme immunoassay. Vaheri A, et al. **J Clin Pathol** 1980 Sep; 33(9):845–7

Enzyme-linked immunosorbent assay for measurement of antibody against cytomegalovirus and rubella virus in a single serum dilution. van Loon AM, et al. **J Clin Pathol** 1981 Jun;34(6):665–9

Antibody capture radioimmunoassay for anti-rubella IgM. Mortimer PP, et al. **J Hyg (Lond)** 1981 Apr;86(2):139–53

Are many women immunized against rubella unnecessarily? Mortimer PP, et al. **J Hyg (Lond)** 1981 Aug;87(1):131–8

Rubella serology: a comparison of four methods for exclusion of non-specific serum inhibitors. Traavik T, et al. **J Hyg (Lond)** 1981 Jun;86(3):315–27

Antibody response to rubella ribonucleoprotein component after natural infection and after immunization. Ho-Terry L, et al. **J Med Microbiol** 1981 Feb;14(1):141–5

Rubella immunity by four different techniques: results of challenge studies. Best JM, et al. **J Med Virol** 1980; 5(3):239–47

Hemagglutination inhibition, single radial hemolysis, and ELISA tests for the detection of IgG and IgM to rubella virus. Champsaur H, et al. **J Med Virol** 1980;5(4):273–86

Direct HIG test for rubella antibodies. Einarsdóttir B, et al. **J Med Virol** 1980;5(4):303–8

Evaluation of solid-phase enzyme-immunoassay procedure in immunity surveys and diagnosis of rubella. Vaheri A, et al. **J Med Virol** 1980;5(3):171–81

Rapid detection of rubella-specific IgM antibodies by the use of microimmunobeads (MIB-IgM). Braun R, et al. **J Virol Methods** 1981 Jul;3(1):45–9

Solid-phase immunosorbent haemadsorption (SPIHAd): a new, rapid and simple test for rubella-specific IgM. Goldwater PN, et al. **J Virol Methods** 1981 Jun;2(6):341–7

Characterisation of rubella virus hemagglutinin rosettes. Trudel M, et al. **J Virol Methods** 1981 Mar;2(4):195–201

Rubella viraemia and antibody responses after rubella vaccination and reimmunization. Balfour HH Jr, et al. **Lancet** 1981 May 16;1(8229):1078–80

Enzyme immunoassay for detection of rubella specific IgM antibody [letter] Diment JA, et al. **Lancet** 1981 Feb 14; 1(8216):394–5

Clinical and laboratory studies of combined live measles, mumps, and rubella vaccines using the RA 27/3 rubella virus. Weibel RE, et al. **Proc Soc Exp Biol Med** 1980 Nov; 165(2):323–6

[Preparation of rubella virus hemagglutination antigen (author's transl)] Kao CL. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1980 Sep;13(3):301–8 (Eng. Abstr.) **(Chi)**

[Changes in antibody titre after rubella vaccination in primarily rubella-sera positive parturient women. Demonstration of antigen-specific (rubella) and non-specific stimulated antibody titres (author's transl)] Doerr HW, et al. **Dtsch Med Wochenschr** 1980 Sep 19; 105(38):1316–20 (Eng. Abstr.) **(Ger)**

[Haemagglutination-inhibition test and haemolysis-in-gel test in the determination of rubella antibodies in dry blood on filter paper (author's transl)] Sander J, et al. **Dtsch Med Wochenschr** 1981 May 29;106(22):701–3 (Eng. Abstr.) **(Ger)**

[Investigations on the dependency of hemagglutination inhibition titers against rubella virus on the number and quality of antibody molecules (author's transl)] Hoppe G. **Zentralbl Bakteriol [A]** 1981;249(2):143–51 (Eng. Abstr.) **(Ger)**

[The Distribution of hemagglutinin-inhibition antibodies against rubella virus in a sample of the female population in Emilia-Romagna (author's transl)] Mazzaracchio R, et al. **Ann Sclavo** 1980 Mar-Apr;22(2):136–40 (Eng. Abstr.) **(Ita)**

[Incidence of rubella infection studied by detection of rubella virus antibodies in a school population of adolescent girls] Piro E, et al. **Ann Sclavo** 1980 Jan-Feb;22(1):49–56 **(Ita)**

[Rubella antibody in a sample of Foggia (Italy) population (author's transl)] Telesforo P, et al. **Ann Sclavo** 1979 Jul-Aug;21(4):413–8 (Eng. Abstr.) **(Ita)**

[Hemagglutination inhibition test for rubella virus: control of the removal of complete non-specific inhibitors] Cerio E, et al. **Boll Ist Sieroter Milan** 1980 Sep 30;59(4):380–4 (Eng. Abstr.) **(Ita)**

[Use of staphylococcal protein A for the detection of rubella virus IgM antibodies] Crovari P, et al. **Boll Ist Sieroter Milan** 1979 Nov 30;58(5):371–81 (Eng. Abstr.) **(Ita)**

[Rubella antibodies in a sample of the population of Mogadiscio] Russo V, et al. **Nuovi Ann Ig Microbiol** 1979 Nov-Dec;30(6):393–7 (Eng. Abstr.) **(Ita)**

[Rubella virus antibodies among girls and women in Poland] Imbs D, et al. **Przegl Epidemiol** 1980;34(3):241–7 (Eng. Abstr.) **(Pol)**

[Rapid method of determining specific class M immunoglobulins against rubella virus: class G immunoglobulin absorption by Staphylococcus aureus] Kantorovich RA, et al. **Vopr Virusol** 1980 Jan-Feb; (1):103–6 **(Rus)**

[Antibodies to rubella virus in the blood sera and in the synovial fluid of children with rheumatoid arthritis] Lozovskaia LS, et al. **Vopr Virusol** 1980 Jul-Aug;(4):468–73 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Rubella and juvenile chronic arthritis. Smith MF, et al. **Arch Dis Child** 1981 Apr;56(4):310–1

Rubella-associated arthritis: rescue of rubella virus from peripheral blood lymphocytes two years postvaccination. Chantler JK, et al. **Infect Immun** 1981 Jun;32(3):1274–80

Application of immunoperoxidase staining to more rapid detection and identification of rubella virus isolates. Schmidt NJ, et al. **J Clin Microbiol** 1981 Apr;13(4):627–30

The purification of rubella virus (RV) and determination of its polypeptide composition. Van Alstyne D, et al. **Virology** 1981 Jan 30;108(2):491–8

[isolation of viruses from the amniotic fluid in infections in early pregnancy] Schilt U, et al. **Gynakol Rundsch** 1981; 21(3):166–70 **(Ger)**

[Comparative study of the persistence of 3 RNA-containing viruses in a continuous cell culture of human origin] Andzhaparidze OG, et al. **Vopr Virusol** 1980 May-Jun; (3):323–7 (Eng. Abstr.) **(Rus)**

METABOLISM

Stimulation of prostaglandin E and hyaluronic acid production by rubella and measles viruses in human synovial fibroblast cultures [letter] Yaron M, et al. **Arthritis Rheum** 1981 Mar;24(3):573

RUBEOLA see **MEASLES**

RUBIDIUM

Metal-flavin complexation. A resonance Raman investigation. Benecky M, et al. **Biochim Biophys Acta** 1980 Nov 20;626(1):197–207

[86rb uptake by red cells (author's transl)] Yamane T, et al. **Radioisotopes** 1980 Dec;29(12):602–4 **(Jpn)**

BLOOD

Basal rubidium blood levels in psychiatric patients and normal controls. Zizolfi S, et al. **Acta Neurol (Napoli)** 1980 Aug;35(4):300–4

Effect of induced acute dehydration on red cell membrane permeability of rats as revealed by influx of 86Rb and 22Na. Basu SK, et al. **Indian J Exp Biol** 1980 Aug;18(8):871–2

[Possible use of stable tracers in hematological research. Preliminary note] Ciancarelli MG, et al. **Boll Soc Ital Biol Sper** 1980 Apr 30;56(8):846–51 (Eng. Abstr.) **(Ita)**

DIAGNOSTIC USE

Digoxin in the elderly and in renal failure. Contribution of erythrocyte 86-rubidium uptake tests. Zannad F, et al. **Eur J Cardiol** 1981;12(5):285–96

Changes in 86-rubidium uptake in erythrocytes of digoxin-treated patients, in heart failure with sinus rhythm. Relationship to clinical effects. Zannad F, et al. **Eur J Cardiol** 1981;12(5):275–84

Incomplete and flow dependent extraction of 86Rb in the rat kidney. Errors in local flow estimation. Rosivall L, et al. **Pfluegers Arch** 1981 Jun;390(3):216–8

[86rb uptake by red cells (author's transl)] Yamane T, et al. **Radioisotopes** 1980 Dec;29(12):602–4 **(Jpn)**

METABOLISM

Disturbed fluxes of Rb+(K+) and Cl- in islets of spontaneously diabetic mice (C57BL/KsJ-db/db). Berglund O. **Acta Biol Med Ger** 1981;40(1):23–30

Regulation of 86Rb outflow from pancreatic islets. IV. Effect of cyclic AMP, dibutyryl-cyclic AMP and theophylline. Carpinelli AR, et al. **Acta Diabetol Lat** 1980 Jul-Dec; 17(3–4):199–205

Discrimination between rubidium and potassium ions in Anabaena variabilis. Reed RH, et al. **Biochem Soc Trans** 1980 Dec;8(6):709–10

Is ouabain-sensitive rubidium or potassium uptake a measure of sodium pump activity in isolated cardiac muscle? Akera T, et al. **Biochim Biophys Acta** 1981 Feb 6;640(3):779–90

Characterization of 42K+ and 86Rb+ transport and electrical membrane properties in exponentially growing neuroblastoma cells. Boonstra J, et al. **Biochim Biophys Acta** 1981 Apr 22;643(1):89–100

The association of tetrodotoxin-sensitive, sodium-selective ionophore of brain membranes with liposomes. Malysheva MK, et al. **Biochim Biophys Acta** 1980 Oct 16;602(1):70–7

Comparison of adriamycin- and ouabain-induced cytotoxicity and inhibition of 86rubidium transport in wild-type and ouabain-resistant C3H/10T1/2 mouse fibroblasts. Landolph JR, et al. **Cancer Res** 1980 Dec; 40(12):4581–8

Rubidium efflux from neural cell lines through voltage-dependent potassium channels. Arner LS, et al. **Dev Biol** 1981 Apr 15;83(1):138–45

Regulation of 86Rb outflow from pancreatic islets. II. Effect of changes in extracellular and intracellular pH. Carpinelli AR, et al. **Diabete Metab** 1980 Sep;6(3):193–8

Relationship between the positive inotropic effect of ouabain and its inhibitory effects on Na+, K+ -ATPase and active transport of Rb+ in the dog heart. Rhee HM, et al. **Eur J Pharmacol** 1981 Mar 26;70(3):273–8

Further studies on the precipitative freeze dissolution technique for the localization of inorganic ions. Van Iren F, et al. **Histochemistry** 1981;71(2):195–201

Binding of monovalent cations to Na+,K+-dependent ATPase purified from porcine kidney. I. Simultaneous binding of three sodium and two potassium or rubidium ions to the enzyme. Yamaguchi M, et al. **J Biochem (Tokyo)** 1980 Nov;88(5):1365–75

Binding of monovalent cations to Na+,K+-dependent ATPase purified from porcine kidney. III. Marked changes in affinities for monovalent cations induced by formation of an ADP-insensitive but no an ADP-Sensitive phosphoenzyme. Yamaguchi M, et al. **J Biochem (Tokyo)** 1980 Nov;88(5):1387–97

Stimulation of Rb+ transport by glucagon in isolated rat

hepatocytes. Ihlenfeldt MJ. **J Biol Chem** 1981 Mar 10; 256(5):2213–8

Insulin stimulation of (Na+,K+)-adenosine triphosphatase-dependent 86Rb+ uptake in rat adipocytes. Resh MD, et al. **J Biol Chem** 1980 Nov 25;255(22):10938–45

Sodium and rubidium uptake in cells transformed by Rous sarcoma virus. Bader JP, et al. **J Cell Physiol** 1981 Feb; 106(2):235–43

Differing sensitivities of Purkinje fibers and myocardium to inhibition of monovalent cation transport by digitalis. Somberg JC, et al. **J Clin Invest** 1981 Jan;67(1):116–23

Regulation of 86Rb+ outflow from pancreatic islets III. Possible significance of ATP. Carpinelli AR, et al. **J Endocrinol Invest** 1980 Oct–Dec;3(4):365–70

Rubidium-86 uptake by red blood cells of breast cancer patients. Telfer N, et al. **J Surg Oncol** 1981;16(2):159–65

The effect of pH on 86Rubidium efflux from pancreatic islet cells. Henquin JC. **Mol Cell Endocrinol** 1981 Feb; 21(2):119–28

K+ channels close more slowly in the presence of external K+ and Rb+. Swenson RP Jr, et al. **Nature** 1981 Jun 4;291(5814):427–9

The effect of sodium ions on the light-induced 86Rb release from the isolated crayfish retina. Hartung K, et al. **Pfluegers Arch** 1980 Sep;387(3):225–9

[Kinetics and bioavailability of rubidium chloride] Rutigliano G, et al. **Clin Ter** 1980 Sep 30;94(6):679–86 (Eng. Abstr.) **(Ita)**

[Changes in the alkaline cation transport across the plasma membrane of CHO-K1 cell lines resistant to ethidium bromide] Marakhova II, et al. **Tsitologiia** 1981 Apr; 23(4):410–8 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Rubidium block and rubidium permeability of the inward rectifier of frog skeletal muscle fibres. Standen NB, et al. **J Physiol (Lond)** 1980 Jul;304:415–35

RUBIDOMYCIN see **DAUNORUBICIN**

RUBINSTEIN-TAYBI SYNDROME see under **ABNORMALITIES, MULTIPLE**

RUBIVIRUS see **RUBELLA VIRUS**

RUBOMYCIN see **DAUNORUBICIN**

RUBRATOXINS see under **MYCOTOXINS**

RUBREDOXINS see under **FERREDOXINS**

RUFFINI'S CORPUSCLES see **THERMORECEPTORS**

RUFOCROMOMYCIN see **STREPTONIGRIN**

RUMEN

Physicochemical changes in cerebrospinal fluid in experimental ruminal acidosis in buffalo calves. Randhawa SS, et al. **Res Vet Sci** 1980 Jul;29(1):118–9

Surgical repair of a perforated ruminal ulcer associated with left displacement of the abomasum in a Jersey cow. Pope RW. **VM SAC** 1980 Oct;75(10):1627–8

An experimental study of acid–base status of buffalo–calves in rumen acidosis. Randhawa SS, et al. **Zentralbl Veterinaermed [A]** 1980 May;27(3):255–8

ANALYSIS

Determination of volatile fatty acids and some related compounds in ovine rumen fluid, urine, and blood plasma, by gas–liquid chromatography. Ryan JP. **Anal Biochem** 1980 Nov 1;108(2):374–84

Method for measuring dissolved hydrogen in anaerobic ecosystems: application to the rumen. Robinson JA, et al. **Appl Environ Microbiol** 1981 Feb;41(2):545–8

Diabolic acids: occurrence and identification in natural products and their metabolism by simple-stomached and ruminant animals. Hazlewood GP, et al. **Br J Nutr** 1981 Jan;45(1):159–65

Prevention of artifact formation during the analysis of N-nitrosamines in the rumen fluid of cows. van Broekhoven LW, et al. **J Agric Food Chem** 1980 Sep–Oct; 28(5):957–9

Diagnostic analysis of rumen fluid. Alonso AN. **Vet Clin North Am [Large Anim Pract]** 1979 Nov; 1(2):363–76

[Ammonia concentration in rumen fluid of dairy cows while on summer and winter feeding rations and during various phases of the reproductive cycle] Lebeda M. **Vet Med (Praha)** 1980 Sep;25(9):513–26 (Eng. Abstr.) **(Cze)**

ANATOMY & HISTOLOGY

Gross-anatomical studies on the ruminal pillar system of the Egyptian water buffalo (Bos bubalis L.). Hemmoda AS, et al. **Anat Histol Embryol** 1980 Jun;9(2):148–54

CYTOLOGY

Stimulatory effect of insulin on ruminal epithelium cell mitosis in adult sheep. Sakata T, et al. **Br J Nutr** 1980 Nov;44(3):325–31

DRUG EFFECTS

Lactam restriction of peptide conformation in cyclic hexapeptides which alter rumen fermentation. Freidinger RM, et al. **Int J Pept Protein Res** 1980 Nov;16(5):464–70

Alkali treatment of cereal grains. II. Digestion, ruminal measurements and feedlot performance. Anderson GD, et al. **J Anim Sci** 1981 Jan;52(1):144–9

Effects of sodium bentonite, buffer salts, cement kiln dust and clinoptilolite on rumen characteristics of beef steers fed a high roughage diet. Galyean ML, et al. **J Anim Sci** 1981 May;52(5):1197–1204

Effect of dietary corn starch intake on ruminal, small intestinal and large intestinal starch digestion in cattle. Russell JR, et al. **J Anim Sci** 1981 May;52(5):1170–6

Inhibitory action of intravenously administered ammonium acetate on the motility of the rumen in sheep. Kania BF, et al. **Tijdschr Diergeneeskd** 1981 Jul 15;106(14):105–10

ENZYMOLOGY

Short chain acyl-CoA synthetases in ovine rumen epithelium. Scaife JR, et al. **Biochim Biophys Acta** 1980 Aug 11; 619(2):445–50

alpha-Amylase activity in rumen fluid of cows producing milk of low and normal fat content. Engvall A. **J Dairy Sci** 1980 Dec;63(12):2012–9

Effect of acetohydroxamic acid on rumen urease activity in vitro. Makkar HP, et al. **J Dairy Sci** 1981 Apr;64(4):643–8

Origin of glutamate dehydrogenase from the mucosa of the sheep rumen. Lenártová V, et al. **Physiol Bohemoslov** 1981; 30(1):47–53

GROWTH & DEVELOPMENT

Study on the biokinetics of glucose metabolism using (2-3H) glucose during preruminant and ruminant stages in buffalo calves (Bubalus bubalis). Setia MS, et al. **Z Tierphysiol Tierernaeher Futtermittelkd** 1980;44(2):93–8

INNERVATION

Adrenergic reactions of sheep rumen in vivo. Kania BF. **Acta Physiol Pol** 1980 Jul–Aug;31(4):349–56

Adrenergic reactions of sheep rumen in vitro. Kania BF. **Acta Physiol Pol** 1980 Jul–Aug;31(4):341–8

METABOLISM

Internal vomiting in the ruminant: effect of apomorphine on ruminal pH in sheep. Eiler H, et al. **Am J Vet Res** 1981 Feb;42(2):202–4

Effect of monensin on fermentation characteristics of the artificial rumen. Wallace RJ, et al. **Appl Environ Microbiol** 1980 Sep;40(3):672–4

Does ruminal metabolism of mimosine explain the absence of Leucaena toxicity in Hawaii? [letter] Jones RJ. **Aust Vet J** 1981 Jan;57(1):55–6

Low release of selenium from recovered ruminal pellets. Wilkins JF, et al. **Aust Vet J** 1980 Feb;56(2):87–9

A simple procedure using 35S incorporation of the measurement of microbial and undegraded food protein in ruminant digesta. Mathers JC, et al. **Br J Nutr** 1980 May;43(3):503–14

Quantitative studies of food protein degradation and the energetic efficiency of microbial protein synthesis in the rumen of sheep given chopped lucerne and rolled barley. Mathers JC, et al. **Br J Nutr** 1981 May;45(3):587–604

Rumen bacterial protein synthesis and the proportion of dietary protein escaping degradation in the rumen of sheep. Mercer JR, et al. **Br J Nutr** 1980 May;43(3):421–33

Degradation of maize protein in rumen contents. Influence of ammonia concentration. Nikolić JA, et al. **Br J Nutr** 1981 Jan;45(1):111–6

Characteristics of the rumen proteolysis of fraction I (18S) leaf protein from lucerne (Medicago sativa L). Nugent JHU, et al. **Br J Nutr** 1981 Jul;46(1):39–58

The appearance of re-cycled urea in the digestive tract of goats during the final third of a once daily feeding of a low-protein ration. Obara Y, et al. **Br J Nutr** 1980 Nov; 44(3):295–305

Metabolism of the nucleic acids of rumen bacteria by preruminant and ruminant lambs. Razzaque MA, et al. **Br J Nutr** 1981 May;45(3):517–27

Effect of monensin on the fermentation of basal rations in the Rumen Simulation Technique (Rusitec). Wallace RJ, et al. **Br J Nutr** 1981 Jul;46(1):131–48

Studies of possible bovine urinary excretion and rumen decomposition of fenvalerate insecticide and metabolite. Wszolek PC, et al. **Bull Environ Contam Toxicol** 1981 Feb; 26(2):262–6

Distribution of radiomanganese in the rumen of sheep. Ivan M. **Can J Physiol Pharmacol** 1981 Jan;59(1):76–83

In vitro rumen metabolism of 14C-labeled oxamyl and selected metabolites of oxamyl. Belasco IJ, et al. **J Agric Food Chem** 1980 Jul–Aug;28(4):689–92

Rumen metabolism and absorption of a 14C-labelled elastomeric copolymer and its value as a roughage substitute for cattle. Bartley EE, et al. **J Anim Sci** 1981 May;52(5):1150–63

Effect of monensin or ruminal fermentation, forage intake and weight gains of wheat pasture stocker cattle. Horn GW, et al. **J Anim Sci** 1981 Mar;52(3):447–54

Degradation of supplemental proteins in the rumen. Zinn RA, et al. **J Anim Sci** 1981 Apr;52(4):857–66

In vitro digestion of bloat-safe and bloat-causing legumes by rumen microorganisms: gas and foam production. Fay JP, et al. **J Dairy Sci** 1980 Aug;63(8):1273–81

Ammonia saturation constants for predominant species of rumen bacteria. Schaefer DM, et al. **J Dairy Sci** 1980 Aug; 63(8):1248–63

Effect of heat treatment on ruminal degradation and escape, and intestinal digestibility of cottonseed meal protein. Broderick GA, et al. **J Nutr** 1980 Dec;110(12):2381–9

Influence of ration physical form, ruminal degradable nitrogen and age on rumen epithelial propionate and acetate transport and some enzymatic activities. Nocek JE, et al. **J Nutr** 1980 Dec;110(12):2355–64

Urea transfer in ruminants. 1. Method for determination of urea transfer in sheep. Ahmed MH, et al. **Z Tierphysiol Tierernaeher Futtermittelkd** 1981; 45(5):268–74

Urea transfer in ruminants. 2. Net urea transfer in sheep under semi-arid conditions. Borhami BE, et al. **Z Tierphysiol Tierernaeher Futtermittelkd** 1981; 45(5):274–86

Effect of adaptation on urea utilization in ruminants. Borhami BE, et al. **Z Tierphysiol Tierernaeher Futtermittelkd** 1981; 45(4):205–15

Effect of lactic acidosis on electrolyte changes in blood and rumen liquor in buffalo-calves. Choudhuri PC, et al. **Zentralbl Veterinaermed [A]** 1980 Jul;27(5):358–63

[The effect of Rumensin on the metabolic profile of rumen fluid in feedlot cattle] Dvořák R, et al. **Vet Med (Praha)** 1980;25(10):585–600 (Eng. Abstr.) **(Cze)**

[Hyperkeratosis of the rumen in disturbances of fermentation (author's transl)] Wensvoort P. **Tijdschr Diergeneeskd** 1981 Feb 15;106(4):191–7 **(Dut)**

[Influence of various physical forms of the feed on the energy metabolism of ruminants. 2. The influence of the mechanical treatment of the feed on rumen fermentation] Wittenburg H, et al. **Arch Tierernaehr** 1980 Aug; 30(7–8):585–96 (Eng. Abstr.) **(Ger)**

[Highly molassed sugar beef pulp in ruminant's nutrition. I. Composition, compatibility, digestibility of a diet containing high ratios of highly molassed sugar beef pulp, and its physiological effects on ruminal metabolism of the sheep (author's transl)] Scholz H. **DTW** 1981 Jan 5; 88(1):24–9 (Eng. Abstr.) **(Ger)**

[Ketogenesis and rumen function following intraruminal administration of saturated fatty acids (C8, C10, C12) in cattle] Hoerstke M, et al. **Zentralbl Veterinaermed [A]** 1981; 28(1):19–26 (Eng. Abstr.) **(Ger)**

[Biohydrogenation of erucic acid (22:1 n-9 cis) in an 'artificial rumen'. II) Effect of pH, potential hydrogen donors and type of anaerobiosis] Borgatti AR, et al. **Boll Soc Ital Biol Sper** 1979 Feb 15;55(3):212–8 **(Ita)**

[Biohydrogenation of erucic acid (22:1 n-9 cis) in artificial rumen. I). Effect of octadecapolyenoic fatty acids and the incubation period] Borgatti AR, et al. **Boll Soc Ital Biol Sper** 1979 Feb 15;55(3):205–11 (Eng. Abstr.) **(Ita)**

[Amino acid production in the isolated and perfused rumen wall of sheep] Leng L, et al. **Vet Med (Praha)** 1980 Nov; 25(11):675–82 (Eng. Abstr.) **(Slo)**

MICROBIOLOGY

A note on the fermentation of pectin by pure strains and combined cultures of rumen bacteria. Szymański PT. **Acta Microbiol Pol** 1981;30(2):159–63

Kinetic parameters of lactate dehydrogenases of some rumen bacterial species, the anaerobic ciliate Isotricha prostoma and mixed rumen microorganisms. Counotte GH, et al. **Antonie Van Leeuwenhoek** 1980;46(4):363–81

Methanogenesis in the gastrointestinal tract of ruminants and man. Prins RA. **Antonie Van Leeuwenhoek** 1979; 45(3):339–45

Characteristics of anaerobic oxalate-degrading enrichment cultures from the rumen. Dawson KA, et al. **Appl Environ Microbiol** 1980 Oct;40(4):840–6

Isolation and some characteristics of anaerobic oxalate-degrading bacteria from the rumen. Dawson KA, et al. **Appl Environ Microbiol** 1980 Oct;40(4):833–9

Features of rumen and sewage sludge strains of Eubacterium limosum, a methanol- and H2-CO2-utilizing species. Genthner BR, et al. **Appl Environ Microbiol** 1981 Jul; 42(1):12–9

Dissimilatory reduction of nitrate and nitrite in the bovine rumen: nitrous oxide production and effect of acetylene. Kaspar HF, et al. **Appl Environ Microbiol** 1981 Mar; 41(3):705–9

Syntrophic association of a butyrate-degrading bacterium and methanosarcina enriched from bovine rumen fluid. McInerney MJ, et al. **Appl Environ Microbiol** 1981 Mar; 41(3):826–8

Isolation and presumptive identification of adherent epithelial bacteria ('epimural' bacteria) from the ovine rumen wall. Mead LJ, et al. **Appl Environ Microbiol** 1981 Apr; 41(4):1020–8

Selective isolation and characteristics of Bacteriodes succinogenes from the rumen of a cow. Stewart CS, et al. **Appl Environ Microbiol** 1981 Feb;41(2):504–10

Association of methanogenic bacteria with rumen ciliates. Vogels GD, et al. **Appl Environ Microbiol** 1980 Sep; 40(3):608–12

Treponema bryantii sp. nov., a rumen spirochete that

interacts with cellulolytic bacteria. Stanton TB, et al. **Arch Microbiol** 1980 Sep;127(2):145–56

Effect of methane inhibitors on the metabolism of rumen microbes in vitro. van Nevel CJ, et al. **Arch Tierernaehr** 1981 Feb;31(2):141–51

The formation of microcolonies by rumen bacteria. Cheng KJ, et al. **Can J Microbiol** 1980 Sep;26(9):1104–13

A scanning electron microscopy study of the invasion of leaflets of a bloat–safe and a bloat–causing legume by rumen microorganisms. Fay JP, et al. **Can J Microbiol** 1981 Apr;27(4):390–9

The constitutive nature of alkaline phosphatase in rumen bacteria. Forsberg CW, et al. **Can J Microbiol** 1980 Feb; 26(2):268–72

Cellulolytic activity of the rumen bacterium Bacteroides succinogenes. Groleau D, et al. **Can J Microbiol** 1981 May; 27(5):517–30

Effects of solids and liquid flows on fermentation in continuous cultures. II. Nitrogen partition and efficiency of microbial synthesis. Crawford RJ Jr, et al. **J Anim Sci** 1980 Oct;51(4):986–95

Establishment of ureolytic staphylococci in the rumen of gnotobiotic lambs. Barr ME, et al. **J Appl Bacteriol** 1980 Oct;49(2):325–30

Effect of dietary nitrogen on the rumen microbial population in lactating diary cattle. Teather RM, et al. **J Appl Bacteriol** 1980 Oct;49(2):231–8

The degradation of polygalacturonic acid by rumen ciliate protozoa. Coleman GS, et al. **J Gen Microbiol** 1980 Oct; 120(Pt 2):295–300

Yeasts in the rumen contents of musk oxen. Lund A. **J Gen Microbiol** 1980 Nov;121(1):273–6

Electron microprobe analysis of zinc incorporation into rumen protozoa. Bonhomme A, et al. **J Protozool** 1980 Nov;27(4):491–7

The effects of urea and artificial saliva on rumen bacterial protein synthesis in sheep receiving a high–cereal diet. Chamberlain DG, et al. **J Sci Food Agric** 1980 May; 31(5):432–8

Characterization of enzymes of ammonia metabolism in protozoa from rumen of buffalo bulls. Singh A, et al. **Zentralbl Veterinaermed [A]** 1980 Jul;27(5):364–71

[Comparative studies about food selection of chamois and reddeer with special regard to the rumen microbes and the fermentation in the reticulorumen (author's transl)] Drescher–Kaden U. **Fortschr Tierphysiol Tierernaehr** 1981; (12):1–108 (212 ref.) (Eng. Abstr.) **(Ger)**

PARASITOLOGY

Rumen ciliate protozoa. Coleman GS. **Adv Parasitol** 1980; 18:121–73 (236 ref.)

Sequestration of holotrich protozoa in the reticulo–rumen of cattle. Abe M, et al. **Appl Environ Microbiol** 1981 Mar; 41(3):758–65

Routine cryopreservation of ruminant nematode larvae. Coles GC, et al. **Res Vet Sci** 1980 May;28(3):391–2

PHYSIOLOGY

Surface rippling of the lower left flank of the cow: mirror of ruminal motility. McCarthy PH. **Am J Vet Res** 1981 Feb;42(2):225–8

A method for obtaining abomasal fluid via a rumen fistula. Pearson EG, et al. **Cornell Vet** 1981 Apr;71(2):183–7

Effect of ensiling whole plant corn on voluntary intake, rumen fermentation, retention time and rate of digestion in steers. Phillip LE, et al. **J Anim Sci** 1980 Oct; 51(4):1003–010

Effect of nicotinic acid on rumen fermentation in vitro and in vivo. Riddell DO, et al. **J Dairy Sci** 1980 Sep; 63(9):1429–36

Effect of sodium hydroxide, ozone and sulphur dioxide on the composition and in vitro digestibility of wheat straw. Ben–Ghedalia D, et al. **J Sci Food Agric** 1981 Mar; 32(3):224–8

The effect of holding periods at the meat works on carcase weights and nature and weights of ruminoreticulum contents of sheep and lambs. Petersen GV, et al. **NZ Vet J** 1981 Mar;29(3):22–5

[Ruminants as breeding animals (author's transl)] Prins RA. **Tijdschr Diergeneeskd** 1981 Feb 15;106(4):166–78 (Eng. Abstr.) **(Dut)**

[Adaptability of rumen fermentation in cattle (author's transl)] van Adrichem PW. **Tijdschr Diergeneeskd** 1981 Feb 15;106(4):179–84 (Eng. Abstr.) **(Dut)**

[Isobutylidene urea as NPN source for ruminants. 2. Digestion of 15N–labeled isobutylidene urea in lactating dairy cows] Bergner H, et al. **Arch Tierernaehr** 1981 Apr; 31(4):273–91 (Eng. Abstr.) **(Ger)**

SURGERY

[Liver function in cows with traumatic inflammation of the reticulum and peritoneum after rumenotomy] Czerwonka B. **Pol Arch Weter** 1980;22(3):373–96 (Eng. Abstr.) **(Pol)**

ULTRASTRUCTURE

Intramuscular injections of 1,2–propanediol can stimulate rumen papillar development of milk–fed kids. Hamada T, et al. **Experientia** 1981 Jun;37(6):579–80

RUNAWAY REACTION

A developmental perspective on runaway behavior: its relationship to child abuse. Gutierres SE, et al. **Child Welfare** 1981 Jul–Aug;60(2):89–94

Runaway youth projects: comments on care programs for runaways and throwaways. Adams GR. **J Adolesc** 1980 Dec;3(4):321–34

[A case of the frontal type of Pick disease —with special reference to the frontal lobe syndrome and 'running–away' behavior (author's transl)] Yoshida T, et al. **Seishin Shinkeigaku Zasshi** 1981;83(3):129–46 (Eng. Abstr.) **(Jpn)**

RUNNING

Marathon run: effects on blood cortisol — ACTH, iodothyronines — TSH and vasopressin. Dessypris A, et al. **Acta Endocrinol (Copenh)** 1980 Oct;95(2):151–7

Runner's anemia and iron deficiency. Hunding A, et al. **Acta Med Scand** 1981;209(4):315–8

Data on aerobic efficiency of running. Apor P, et al. **Acta Physiol Acad Sci Hung** 1980;56(3):275–80

Tarsal navicular stress fractures in runners. Goergen TG, et al. **AJR** 1981 Jan;136(1):201–3

Experience from the 1980 midnight sun marathon: injuries & training. Caldwell J. **Alaska Med** 1981 Mar–Apr; 23(2):18–21

Psychological changes in early adolescent males induced by systematic exercise. Dulberg HN, et al. **Am Correct Ther J** 1980 Sep–Oct;34(5):142–6

Beta–blockers and running [letter] Kaijser L, et al. **Am Heart J** 1980 Dec;100(6 Pt 1):943–4

Thermal illness in fun running. Sutton JR, et al. **Am Heart J** 1980 Dec;100(6 Pt 1):778–81

Coronary heart disease and sudden death while running [letter] Thompson PD. **Am J Cardiol** 1981 Jun;47(6):1381–2

The 100–mile run: preparation, performance, and recovery. A case report. Fred HL. **Am J Sports Med** 1981 Jul–Aug; 9(4):258–61

Herniated lumbar disk associated with running. A review of 10 cases. Guten G. **Am J Sports Med** 1981 May–Jun; 9(3):155–9

Pubic symphysitis in runners. A report of two cases. Koch RA, et al. **Am J Sports Med** 1981 Jan–Feb;9(1):62–3

A pelvic stress fracture in a female jogger. A case report. Latshaw RF, et al. **Am J Sports Med** 1981 Jan–Feb; 9(1):54–6

Biomechanics of walking, running, and sprinting. Mann RA, et al. **Am J Sports Med** 1980 Sep–Oct;8(5):345–50

Electrocardiographic and echocardiographic characteristics of long distance runners. Comparison of left ventricular function with age– and sex–matched controls. Mumford M, et al. **Am J Sports Med** 1981 Jan–Feb;9(1):23–8

Lung function after marathon running at warm and cold ambient temperatures. Mahler DA, et al. **Am Rev Respir Dis** 1981 Aug;124(2):154–7

Immune function in marathon runners. Green RL, et al. **Ann Allergy** 1981 Aug;47(2):73–5

Unusual intra–abdominal bleeding [letter] Hughes JH. **Ann Emerg Med** 1980 Dec;9(12):647–8

Acute rhabdomyolysis associated with an echovirus 9 infection. Josselson J, et al. **Arch Intern Med** 1980 Dec; 140(12):1671–2

Effect of jogging on serum low density lipoprotein cholesterol. Kaufman S, et al. **Artery** 1980;7(2):99–108

A guide to the prevention of running injuries. Clement DB, et al. **Aust Fam Physician** 1981 Mar;10(3):156–61, 163–4

Thermoregulatory responses during a marathon. A case study of a woman runner. Christensen CL, et al. **Br J Sports Med** 1980 Jul;14(2–3):131–2

Stroke while jogging. Kelly WF, et al. **Br J Sports Med** 1980 Dec;14(4):229–30

The oxygen uptake – work–output relationship of runners during graded cycling exercise: sprinters vs. endurance runners. Niemelä K, et al. **Br J Sports Med** 1980 Dec; 14(4):204–9

An epithyseal stress fracture of the foot and shin splints in an anomalous calf muscle in a runner. Percy EC, et al. **Br J Sports Med** 1980 Jul;14(2–3):110–3

Labile hypertension and jogging: new diagnostic tool or spurious discovery? Fitzgerald W. **Br Med J [Clin Res]** 1981 Feb 14;282(6263):542–4

Heat stroke and community runs [letter] Lee H. **Br Med J [Clin Res]** 1981 May 23;282(6277):1705

Heat stroke and community runs [letter] Nicholson MR. **Br Med J [Clin Res]** 1981 May 9;282(6275):1544–5

Heat stroke and community runs [letter] Wolfe SM, et al. **Br Med J [Clin Res]** 1981 Jun 20;282(6281):2060

Running and laughing fits as the sequelae of the neonatal hyperviscosity syndrome. Sugimoto T, et al. **Brain Dev** 1979;1(4):323–6

A biomechanical evaluation of the role of fatigue in middle–distance running. Elliott BC, et al. **Can J Appl Sport Sci** 1980 Dec;5(4):203–7

Iliotibial tract friction syndrome in athletes. McNicol K, et al. **Can J Appl Sport Sci** 1981 Jun;6(2):76–80

A laboratory method for determination of anaerobic energy expenditure during sprinting. Thomson JM, et al. **Can J Appl Sport Sci** 1981 Mar;6(1):21–6

Running to death. Waller BF, et al. **Chest** 1981 Mar; 79(3):346–9

Sudden death in a marathon runner with widely patent coronary arteries. Hayashi KD, et al. **Clin Cardiol** 1980 Aug;3(4):288–91

Cursive and gelastic epilepsy: case report. Bachman DS, et al. **Clin Electroencephalogr** 1981 Jan;12(1):32–4

Immunological responses to training in conditioned runners. Hanson PG, et al. **Clin Sci** 1981 Feb;60(2):225–8

Running injuries. Brody DM. **Clin Symp** 1980;32(4):1–36 (8 ref.)

Patterns of lower–extremity injury in 224 runners. Gudas CJ. **Compr Ther** 1980 Sep;6(9):50–9

Jogging—the potential for prevention of heart disease. Hartung GH. **Compr Ther** 1980 Sep;6(9):28–32

Pulmonary function in runners before and after a 20 kilometer road race. Mahler DA, et al. **Conn Med** 1980 Sep; 44(9):549–52

Influence of air flow and skin temperature on sweating at the onset, during and following exercise. Davies CT. **Ergonomics** 1980 Jun;23(6):559–69

A reassessment of a running test as a measure of cardiorespiratory fitness. Myles WS, et al. **Ergonomics** 1980 Jun;23(6):543–7

Force–, power–, and elasticity–velocity relationships in walking, running, and jumping. Luhtanen P, et al. **Eur J Applied Physiol** 1980;44(3):279–89

Cardiorespiratory response to treadmill and bicycle exercise in runners. Pannier JL, et al. **Eur J Applied Physiol** 1980; 43(3):243–51

Adult age trends in record running performances. Stones MJ, et al. **Exp Aging Res** 1980 Oct;6(5):407–16

Carboxyhemoglobin levels between jogging and non–jogging smokers. Kam JK. **Experientia** 1980 Dec 15;36(12):1397–8

Female runners and secondary amenorrhea: correlation with age, parity, mileage, and plasma hormonal and sex–hormone–binding globulin concentrations. Baker ER, et al. **Fertil Steril** 1981 Aug;36(2):183–7

Acute effects of exercise on plasma concentrations of prolactin and testosterone in recreational women runners. Shangold MM, et al. **Fertil Steril** 1981 Jun;35(6):699–702

Getting high on running. Speroff L. **Fertil Steril** 1981 Aug; 36(2):149–51

Cavus foot in runners. Lutter LD. **Foot Ankle** 1981 Jan; 1(4):225–8

Running symposium. Mann RA, et al. **Foot Ankle** 1981 Jan; 1(4):190–224

Community running track. **Hospitals** 1981 Jul 1;55(13):35–6

Electrical activity of the heart in boys aged 10–12 years during running. Vorob'ev AT, et al. **Hum Physiol** 1980 Nov–Dec;6(6):449–54

Podiatric sports medicine: runner's knee examination form. Blake RL, et al. **J Am Podiatry Assoc** 1981 Jul; 71(7):397–403

Hyperthermia in running sled dogs. Phillips CJ, et al. **J Appl Physiol** 1981 Jul;51(1):135–42

Renal function, aldosterone, and vasopressin excretion following repeated long–distance running. Wade CE, et al. **J Appl Physiol** 1981 Apr;50(4):709–12

The operative treatment of chronic calcaneal paratenonitis. Kvist H, et al. **J Bone Joint Surg [Br]** 1980 Aug;62(3):353–7

Effect of prolonged running on physiological responses to subsequent exercise. Sawka MN, et al. **J Hum Ergol (Tokyo)** 1979 Dec;8(2):83–90

Wellness: the most effective health insurance. Lugar RG. **J Indiana State Med Assoc** 1980 Jun;73(6):344

Jogging! a non–traumatic exercise? Zacharias CK, et al. **J Kans Med Soc** 1980 Dec;81(12):563–5

Dr. Wert's Rx: when you're too comfortable, run. McDonald WH. **J Med Assoc State Ala** 1980 Jul;50(1):10–1

Physiological and anthropometric determinants of mile run time. Berg K, et al. **J Sports Med Phys Fitness** 1980 Dec; 20(4):390–6

Injury and personality traits in non–competitive runners. Valliant PM. **J Sports Med Phys Fitness** 1980 Sep; 20(3):341–6

Body build, running, and mortality [letter] **JAMA** 1981 Mar 20;245(11):1120–1

Adductor canal outlet syndrome. Balaji MR, et al. **JAMA** 1981 Jan 9;245(2):167–70

Body build and mortality [letter] Bassler TJ. **JAMA** 1980 Sep 26;244(13):1437

Early confirmation of injury in joggers [letter] Boade WA. **JAMA** 1980 Sep 26;244(13):1436

Gastrointestinal disorders in runners [letter] Cantwell JD. **JAMA** 1981 Sep 25;246(13):1404–5

Development of of pseudoanemia in marathon runners during a 20–day road race. Dressendorfer RH, et al. **JAMA** 1981 Sep 11;246(11):1215–8

Diagnosis of stress fractures [letter] George RC. **JAMA** 1980 Sep 26;244(13):1436

Increasing numbers of physical changes found in nation's runners [news] Gumby P. **JAMA** 1981 Feb 13;245(6):547–8

Pregnant jogger: what a record! [news] Korcok M. **JAMA** 1981 Jul 17;246(3):201

A run for the record. Studies on a trans–American ultramarathoner. Lathan SR, et al. **JAMA** 1981 Jan 23–30; 245(4):367–8

Enzyme levels after running [letter] McDonald CA. **JAMA** 1981 Jul 3;246(1):40–1

Cardiovascular deaths while running [letter] Marlow T. **JAMA** 1980 Sep 12;244(11):1194–5

Coping with stress through an 'on–site' running program for Stanford ICU nurses. Zindler–Wernet P, et al. **JNE** 1980

Jun;19(6):34–7
'Carboloading' and dehydration [letter] Travis SP, et al. **Lancet** 1981 Jun 20;1(8234):1370–1
Dehydration in marathon runners [letter] Travis SP. **Lancet** 1981 Jul 18;2(8238):155
The effect of running on plasma beta-endorphin. Colt EW, et al. **Life Sci** 1981 Apr 6;28(14):1637–40
Fatal heat stroke in a 'fun run' [letter] Richards R, et al. **Med J Aust** 1980 Aug 23;2(4):225–6
Fatal heat stroke in a 'fun-run' [letter] To LB. **Med J Aust** 1980 Jul 26;2(2):104–5
Running economy and distance running performance of highly trained athletes. Conley DL, et al. **Med Sci Sports Exerc** 1980;12(5):357–60
Distance running performance and metabolic responses to running in men and women with excess weight experimentally equated. Cureton KJ, et al. **Med Sci Sports Exerc** 1980;12(4):288–94
Achilles tendon disorders in runners. [letter] Fulmer DC. **Med Sci Sports Exerc** 1981;13(1):x–xi
Marathon performance in relation to maximal aerobic power and training indices. Hagan RD, et al. **Med Sci Sports Exerc** 1981;13(3):185–9
Exercise effects upon reflex time components in weight lifters and distance runners. Kamen G, et al. **Med Sci Sports Exerc** 1981;13(3):198–204
The maximal steady state versus selected running events. LaFontaine TP, et al. **Med Sci Sports Exerc** 1981; 13(3):190–3
Body temperature, respiration, and acid-base equilibrium during prolonged running. Sawka MN, et al. **Med Sci Sports Exerc** 1980;12(5):370–4
Achilles tendon disorders in runners--a review. Smart GW, et al. **Med Sci Sports Exerc** 1980;12(4):231–43 (54 ref.)
Some fundamental aspects of the biomechanics of overground versus treadmill locomotion. van Ingen Schenau GJ. **Med Sci Sports Exerc** 1980;12(4):257–61
The effect of induced erythrocythemia upon 5-mile treadmill run time. Williams MH, et al. **Med Sci Sports Exerc** 1981; 13(3):169–75
The elimination of a self-injurious avoidance response through a forced running consequence. Borreson PM. **Ment Retard** 1980 Apr;18(2):73–7
Presence of creatine kinase MB isoenzyme during marathon training [letter] Apple FS. **N Engl J Med** 1981 Sep 24; 305(13):764–5
Jogger's kidney: a case of acquired nephroptosis [letter] Goldberg J. **N Engl J Med** 1981 Sep 3;305(10):590
Central retinal-vein occlusion five days after a marathon [letter] Jampol LM, et al. **N Engl J Med** 1981 Sep 24; 305(13):764
The antihypertensive effect of jogging--a hypothesis [letter] Messerli FH. **N Engl J Med** 1981 Jul 30;305(5):286
Runner's radial palsy [letter] Pickering TG. **N Engl J Med** 1981 Sep 24;305(13):768
The gastrointestinal symptoms of running [letter] Sullivan SN. **N Engl J Med** 1981 Apr 9;304(15):915
Alcohol consumption and hig density lipoprotein cholesterol in marathon runners. Willett W, et al. **N Engl J Med** 1980 Nov 13;303(20):1159–61
The psychology of running: implications for nursing and health. Vezina ML, et al. **Nurs Forum** 1980;19(2):108–21
Running and depression. Joesting J. **Percept Mot Skills** 1981 Apr;51(2):443–51
Breathing pattern during exercise in runners. Sorbini CA, et al. **Pharmacol Res Commun** 1981 Mar;13(3):287–99
Runners' hemoglobinuria--in men, dogs and horses [letter] Altschule MD. **Pharos** 1981 Winter;44(1):33
The diseases of runners: a view from the eighteenth century--a commentary. Brieger GH. **Pharos** 1980 Fall; 43(4):29–32
Medical aspects of competitive distance running: guidelines for community physicians. Williams RS, et al. **Postgrad Med** 1981 Jul;70(1):41–4, 47–8, 51
Effects of marathon running, jogging, and diet on coronary risk factors in middle-aged men. Hartung GH, et al. **Prev Med** 1981 May;10(3):316–23
Biomechanical effects of fatigue on 10,000 meter running technique. Elliot B, et al. **Res Q Exerc Sport** 1981 May; 52(2):160–6
Energy cost of rebound-running. Katch VL, et al. **Res Q Exerc Sport** 1981 May;52(2):269–72
Isometric knee extension and plantar flexion muscle fatigue and fiber type composition in female distance runners. Kroll W, et al. **Res Q Exerc Sport** 1981 May;52(2):200–7
Discriminant analysis of physiological differences between good and elite distance runners. Pollock ML, et al. **Res Q Exerc Sport** 1980 Oct;51(3):521–32
Hematological variations during aerobic training of college women. Puhl JL, et al. **Res Q Exerc Sport** 1980 Oct; 51(3):533–41
Attitudes, beliefs, behavioral intentions, and behaviors of women and men toward regular jogging. Riddle PK. **Res Q Exerc Sport** 1980 Dec;51(4):663–74
Accuracy of pedometer in walking and running. Washburn R, et al. **Res Q Exerc Sport** 1980 Dec;51(4):695–702
Physical characteristics and oxygen utilization of male and female marathon runners. Wells CL, et al. **Res Q Exerc Sport** 1981 May;52(2):281–5
'Joggitis', 'marathonitis' and marathon mania [letter] Grant-Whyte H. **S Afr Med J** 1981 Jun 6;59(24):849–50
The 1980 Comrades Marathon [letter] Kelly JC, et al. **S Afr Med J** 1980 Sep 27;58(13):509–10
Fifty years of training and competition in the marathon: Wally Hayward, age 70--a physiological profile. Maud PJ, et al. **S Afr Med J** 1981 Jan 31;59(5):153–7 (59 ref.)
'Joggitis', 'marathonitis' and marathon mania [letter] Noakes TD. **S Afr Med J** 1981 Jul 18;60(3):84–5
Sugar for energy in marathon running [letter] Noakes TD. **S Afr Med J** 1981 Jul 11;60(2):46
'Running anorexia' [letter] Norval JD. **S Afr Med J** 1980 Dec 27;58(26):1024
Fuel utilization in marathons: implications for performance. **West J Med** 1980 Dec;133(6):493–502 (73 ref.)
Creatine kinase elevations in marathon runners: relationship to training and competition. Siegel AJ, et al. **Yale J Biol Med** 1980 Jul-Aug;53(4):275–9
[Gelastic epilepsy and cursive epilepsy (author's transl)] Lai ML, et al. **Taiwan I Hsueh Hui Tsa Chih** 1980 May; 79(5):483–90 (Eng. Abstr.) **(Chi)**
[Effects of intensive physical training on blood lipids: a study in long-distance runners (author's transl)] Letac B, et al. **Nouv Presse Med** 1981 Feb 14;10(6):403–6 (Eng. Abstr.) **(Fre)**
[Jogging. Suggestions for general practice] Gossner E. **MMW** 1980 Jul 11;122(28):1029–32 (Eng. Abstr.) **(Ger)**
[Women and long-distance running] **Schweiz Z Sportmed** 1980 Sep;28(4):116–9 (54 ref.) **(Ger)**
[Determination of the anaerobic threshold by a noninvasive field in man] Conconi F, et al. **Boll Soc Ital Biol Sper** 1980 Dec 15;56(23):2504–10 (Eng. Abstr.) **(Ita)**
[A case of acute renal failure due to 10 km marathon running in a young man (author's transl)] Soejima A, et al. **Nippon Naika Gakkai Zasshi** 1981 Mar;70(3):429–34 **(Jpn)**
[Medical prepardness at marathon races. Experiences from the Stockholm marathon] Boman K, et al. **Lakartidningen** 1980 Sep 17;77(38):3221–2 **(Swe)**

RUNT DISEASE see **HOMOLOGOUS WASTING DISEASE**

RUPTURE

ETIOLOGY

Tympanic membrane perforations secondary to ventilation devices: special considerations. Wilson DF. **Laryngoscope** 1981 Jun;91(6):877–82
[Perforation in TUR] Matz M. **Z Urol Nephrol** 1981 Feb; 74(2):125–33 (Eng. Abstr.) **(Ger)**

RUPTURE, SPONTANEOUS

DIAGNOSIS

Suprapatellar pouch rupture--a rare complication of rheumatoid arthritis. Nahir AM, et al. **Rheumatol Rehabil** 1980 Aug;19(3):161–2

ETIOLOGY

Ruptured hepatic artery aneurysm and coronary artery aneurysms with myocardial infarction in a 14-year-old boy: new manifestations of mucocutaneous lymph node syndrome. Lipson MH, et al. **J Pediatr** 1981 Jun;98(6):933–6
Otitis media with perforation of the tympanic membrane: a longitudinal experimental study. Goycoolea MV, et al. **Laryngoscope** 1980 Dec;90(12):2037–45
The universal, muscular chain reaction, muscle spasm, torsions, ruptures and extravasations. Chameleons of pathology and some manifestations of simple muscular disorders. Baggot MG. **Med Hypotheses** 1981 Feb; 7(2):161–70
[Spontaneous rupture of a pathological bladder: contribution of a case] Santiago AM, et al. **Arch Esp Urol** 1980 Jul-Aug; 33(4):383–8 (Eng. Abstr.) **(Spa)**

RURAL HEALTH

see related

AGRICULTURAL WORKERS' DISEASES

Rural medicine in Alaska: the view from Point Lions. Emmick MH. **Alaska Med** 1980 Sep-Oct;22(5):69–72
Population density as an indicator of urban-rural differences in cancer incidence, upstate New York, 1968–1972. Nasca PC, et al. **Am J Epidemiol** 1980 Sep;112(3):362–75
Role of state and local government in relation to personal health services. A view of rural health services. Madison DL. **Am J Public Health** 1981 Jan;71(1 Suppl):89–90
The impact of a pediatric practice on hospital admissions in a rural area. Osgood K, et al. **Am J Public Health** 1980 Oct;70(10):1100–3
Rural areas and personal health services: current strategies. Sheps CG, et al. **Am J Public Health** 1981 Jan;71(1 Suppl):71–82
Increasing utilization of a rural cervical cancer detection program. Windsor RA, et al. **Am J Public Health** 1981 Jun;71(6):641–3
Presidential address. Surgical life in the country. Herrington CC. **Am Surg** 1981 Mar;47(3):93–4
Incidence of fungal spores at the homes of allergic patients in an agricultural community. I. A 12-month study in and out of doors. Sneller MR, et al. **Ann Allergy** 1979 Oct; 43(4):225–8
Medicine among Nilotics in the Sud. Bowcock SJ. **Br Med J [Clin Res]** 1981 Jan 10;282(6258):130–1
Usefully employed in Tumu-Tumu. Harvey R. **Br Med J [Clin Res]** 1981 Jan 24;282(6260):296–7
On the North West Frontier. Ward BA. **Br Med J [Clin Res]** 1981 Feb 7;282(6262):458–9
Simultaneous remote search: a technique of providing MEDLARS Services to remote locations. Graham DL. **Bull Med Libr Assoc** 1980 Oct;68(4):370–1
A household survey of health and illness in rural Bolivia. Frerichs RR, et al. **Bull Pan Am Health Organ** 1980; 14(4):343–55
Quantitative aspects of the epidemiology of Schistosoma japonicum infection in a rural community of Luzon, Philippines. WHO workshop. **Bull WHO** 1980;58(4):629–38
Meningitis in the central Arctic: a 4-year experience. Wotton KA, et al. **Can Med Assoc J** 1981 Apr 1;124(7):887–90
The health status of farmworker communities in Zimbabwe. Chikanza IC, et al. **Cent Afr J Med** 1981 May;27(5):88–91
A program self-administered fluorides in a rural school system. Horowitz HS, et al. **Community Dent Oral Epidemiol** 1980 Aug;8(4):177–83
Rural health clinics serve 'invisible poor'. Douglas VT. **Forum** 1980 Aug;4(3):23–8
Planning community services for the rural elderly: implications from research. Coward RT. **Gerontologist** 1979 Jun;19(3):275–82
Community social work in a rural state. Hayes RC. **Health Soc Work** 1980 Nov;5(4):64–71
Developing a program of mental health services in a rural county jail. Haley MW. **Hosp Community Psychiatry** 1980 Sep;31(9):631–2
What's so different about qualilty assurance in small, rural hospitals? Moeller D. **Hospitals** 1981 Jun 1;55(11):77, 79–80, 82
Health status of rural school children in Western Orissa. Chopdar A, et al. **Indian J Pediatr** 1980 May-Jun; 47(386):203–6
A longitudinal study of morbidity in children in a rural area of Punjab. Gupta KB, et al. **Indian J Pediatr** 1980 Jul-Aug; 47(387):297–301
Health survey in village: Bokud Jalgaon Block Paithan, Dist: Aurangabad-report II. Deotal PG, et al. **Indian J Public Health** 1981 Jan-Mar;25(1):6–10
Sero prevalence of brucellosis among caprine keepers around Jaipur (Rajasthan). Mathur KN, et al. **Indian J Public Health** 1980 Apr-Jun;24(2):64–7
Nutritional profile of children in rural community findings of two surveys. Verma BL, et al. **Indian J Public Health** 1981 Jul-Sep;24(3):140–9
Morbidity pattern and source of first contact care in rural underfive children. Agarwal DK, et al. **Indian Pediatr** 1980 Dec;17(12):931–7
Protein energy malnutrition among pre-school children in a rural community of Manipur. Luwang NC. **Indian Pediatr** 1980 Nov;17(11):879–82
A rural health perspective: principles for rural health policy. Reilly BJ, et al. **Inquiry** 1980 Summer;17(2):120–7
Demographic and health characteristics of a rural Iraqi population. Alkafajei AM, et al. **Int J Epidemiol** 1980 Sep; 9(3):251–4
Prevalence and cost of illness episodes in rural Bolivia. Frerichs RR, et al. **Int J Epidemiol** 1980 Sep;9(3):233–8
Training folk practitioners as PHWs in rural India. Moynihan M, et al. **Int J Health Educ** 1980;23(3):167–78
A patient education system for a rural primary care centre. Sullivan ME. **Int J Health Educ** 1981;24(2):113–7
Concepts in community participation: a case of sanitary change in a Guatemalan village. Tonon MA. **Int J Health Educ** 1980 Oct-Dec;23 Suppl:1–16
Mortality and working conditions in agriculture in underdeveloped countries. Laurell AC. **Int J Health Serv** 1981;11(1):3–20
Discriminators of perceived dietary adequacy among the rural elderly. Learner RM, et al. **J Am Diet Assoc** 1981 Apr;78(4):330–7
The Arkansas model: statewide cooperation. Saltzman BN. **J Arkansas Med Soc** 1980 Jul;77(2):93–7
Impact of the rural health clinics services bill: a projection. Rivara FP. **J Community Health** 1980 Winter;6(2):103–12
Travel for primary care: expectation and performance in a rural setting. Shannon G, et al. **J Community Health** 1979 Winter;5(2):113–25
A study of Florida's rural physicians. Coggins WJ, et al. **J Fla Med Assoc** 1980 Nov;67(11):1005–10
Surgical services in rural India. Chandra A. **J Indian Med Assoc** 1981 Mar 1;76(5):88–9
Rural emergency department coverage: comparison of a physician assistant to rotating medical staff members. Newkirk W. **J Maine Med Assoc** 1980 Dec;71(12):375–7
Iron status of Thai population in Bangkok and of villagers in northeastern Thailand. Suwanik R, et al. **J Med Assoc Thai** 1981 Jun;64(6):283–7
Strategies for a statewide approach to improving geographic distribution of health professionals. Fulton GP, et al. **J Med Educ** 1980 Oct;55(10):865–71
Basic audiological and related services in the north — the role of a native technician. Williams DM. **J Otolaryngol** 1980 Dec;9(6):517–23
A new response to an old need: the frontier dental auxiliary [editorial] Dunning JM. **J Public Health Dent** 1981 Summer;41(3):135–7

Night calls in a single-handed rural practice. Cunningham RJ. **J R Coll Gen Pract** 1980 Dec;30(221):745–7
Specialists visiting rural general practices in Norway. Bruusgaard D. **J R Coll Gen Pract [Occas Pap]** 1980 May; (10):1–2
Prevalence of high blood pressure in Vorden. Thissen PA. **J R Coll Gen Pract [Occas Pap]** 1980 Jul;(12):15–6
Proceedings of the National Conference on the Current State of the Art in High Blood Pressure Control as Applied to Rural Communities. **J SC Med Assoc** 1980 Sep;76(9 Suppl):1–123
Tennessee Cooperative Rural Hypertension (1979). Bryan TE, et al. **J SC Med Assoc** 1980 Sep;76(9 Suppl):87–101
Impact of population-based cardiovascular disease prevention programs on ambulatory care demand in rural populations. Krishan I, et al. **J SC Med Assoc** 1980 Sep; 76(9 Suppl):33–7
Community hypertension control: challenge for rural communities. McClellan WM. **J SC Med Assoc** 1980 Sep; 76(9 Suppl):2–10
A multidisciplinary approach to hypertension in the rural setting. Sarlin MD, et al. **J SC Med Assoc** 1980 Sep;76(9 Suppl):66–71
Community involvement in high blood pressure control--the Bamberg model. Watson MC. **J SC Med Assoc** 1980 Sep; 76(9 Suppl):83–6
Health and nutrition impact of potable water in rural Bolivia. Anderson MA. **J Trop Pediatr** 1981 Feb;27(1):39–46
Breast-feeding and post partum amenorrhoea in Central Africa. 1. Milk production in rural areas. Hennart P, et al. **J Trop Pediatr** 1980 Oct;26(5):177–83
Elimination of flatus factors in soya bean preparation for a rural community. Kay T. **J Trop Pediatr** 1981 Apr; 27(2):108–9
Some factors influencing the mortality of under-fives in a rural area of Kenya, a multivariate analysis. Kuné JB. **J Trop Pediatr** 1980 Jun;26(3):114–22
Prolonged lactation performance in a rural community of the Ivory Coast. Lauber E, et al. **J Trop Pediatr** 1981 Apr; 27(2):74–7
Health of Nigerian rural school children. Oyemade A, et al. **J Trop Pediatr** 1981 Apr;27(2):101–5
The effect of early glucose-electrolyte therapy in diarrhoea and growth in rural Gambian village children. Rowland MG, et al. **J Trop Pediatr** 1980 Apr;26(2):54–7
The role of the primary care physician in rural mental health. Richards DM. **JAOA** 1981 Feb;80(6):419–23
Nutritional status and severity of diarrhoea among pre-school children in rural Nigeria. Tomkins A. **Lancet** 1981 Apr 18;1(8225):860–2
An analytic method for the evaluation of rural Emergency Medical Service development. Sytkowski PA, et al. **Med Care** 1981 May;19(5):526–46
Demographic factors associated with physician staffing in rural areas: the experience of the National Health Service Corps. Woolf MA, et al. **Med Care** 1981 Apr;19(4):444–51
A training programme for rural general practitioners in Australia. Harvey BC, et al. **Med J Aust** 1980 Nov 29; 2(11):597–600
Blood pressure studies in rural and urban Western Samoa. Zimmet PZ, et al. **Med J Aust** 1980 Aug 23;2(4):202–5
Rural health care: Malaysian physicians' opinions about traditional Malay medicine and hospital assistants--a pilot study. Heggenhougen HK. **Med J Malaysia** 1980 Mar; 34(3):238–47
'Smalltown:' a case history of physician retentionitis. Downs CR. **Mich Med** 1980 Dec;79(35):653–4
The Bush Clinical Fellow Program--a new approach to improving rural health care through physician career development. Rogstad TL, et al. **Minn Med** 1981 Mar; 64(3):176–8
Medical student perceptions of practice in rural Nebraska. Wigton RS, et al. **Nebr Med J** 1980 Oct;65(10):280–1
Plans for rural practice of medical students and residents at the University of Nebraska College of Medicine. Wigton RS, et al. **Nebr Med J** 1981 Apr;66(4):77–80
Moves to the cities: nutritional causes and consequences. **Nutr Rev** 1980 Nov;38(11):367–9
Medical audit. General practitioner obstetrics in a small rural hospital. Birch JA. **NZ Med J** 1981 Feb 25;93(678):126–9
Where have all the doctors gone? An analysis of national medical officers. Biddulph J. **Papua New Guinea Med J** 1979 Sep;22(3):190–9
A study of Aid Post Orderly performance in the Wapi Valley in the Enga Province, Papua New Guinea. Limbange CK. **Papua New Guinea Med J** 1980 Sep;23(3):126–31
Port Moresby or the bush? Shann F. **Papua New Guinea Med J** 1979 Sep;22(3):170–6
Evaluation of a rural perinatal care system. Hein HA. **Pediatrics** 1980 Oct;66(4):540–6
More technologies for rural health. **Proc R Soc Lond [Biol]** 1980 Jul 28;209(1174):1–186
Village radiology. Blakesley D. **Proc R Soc Lond [Biol]** 1980 Jul 28;209(1174):129–30
Laboratory support for rural health care. Brown SS. **Proc R Soc Lond [Biol]** 1980 Jul 28;209(1174):119–28
Rural water and sanitation. Community participation in appropriate water supply and sanitation technologies: the mythology for the Decade. Feachem RG. **Proc R Soc Lond [Biol]** 1980 Jul 28;209(1174):15–29
Rural health care looks to the future. Issues in the institutionalization and management of rural health care: making technology appropriate. Golladay FL, et al. **Proc R Soc Lond [Biol]** 1980 Jul 28;209(1174):173–80
Rural radiology: training. Gomez-Crespo G. **Proc R Soc Lond [Biol]** 1980 Jul 28;209(1174):131–8
Appropriate technology: the challenge of the second generation. Jéquier N. **Proc R Soc Lond [Biol]** 1980 Jul 28;209(1174):7–14
Agriculture and nutrition at village level, Underexploited village resources. Vietmeyer ND. **Proc R Soc Lond [Biol]** 1980 Jul 28;209(1174):47–58
Capacity building, linkages, and rural health systems: and federal perspective. Sussman GE, et al. **Public Health Rep** 1981 Jan-Feb;96(1):50–7
An investigation on the health condition of rural residents over sixty as related to some socio-hygienic aspects of their living standards. Sygit M. **Sante Publique (Bucur)** 1980; 23(3):235–47
Health needs and health services in rural Ghana. IDS Health Group. **Soc Sci Med [a]** 1981 Jul;15A(4):397–517
Rural dwellers and health care in northern Nigeria. Murphy M, et al. **Soc Sci Med [a]** 1981 May;15A(3):265–71
Private health care providers in rural Bangladesh. Claquin P. **Soc Sci Med [Med Anthropol]** 1981 Apr;15B(2):153–7
Urban and rural medical systems in Pakistan. Rahman M. **Soc Sci Med [Med Geogr]** 1980 Sep;14D(3):283–9
Chinese and Western medical care in China's rural commune: a case study. Lee RP. **Soc Sci Med [Med Psychol Med Sociol]** 1981 Mar; 15A(2):137–48
Family practice residency training programs: a mechanism to provide primary medical care in rural areas. Stefanu C, et al. **Tex Med** 1981 Feb;77(2):67–70
A teaching relationship: students in rural health care. Billings FT Jr. **Trans Am Clin Climatol Assoc** 1979;91:167–76
A system of eye services in Lesotho. Gordon YJ, et al. **Trop Doct** 1980 Oct;10(4):188–91
Mobile under-fives clinic in Ekpoma, Nigeria. Onyia DN, et al. **Trop Doct** 1981 Jul;11(3):128–31
Machakos Project Studies. Agents affecting health of mother and child in a rural area of Kenya. XIX. The utilization of health services in a rural area of Kenya. Schulpen TW, et al. **Trop Geogr Med** 1980 Dec;32(4):340–9
Machakos Project Studies. Agents affecting health of mother and child in a rural area of Kenya. XX. A dynamic approach to the utilization of health services in a rural area of Machakos, Kenya. Swinkels WJ, et al. **Trop Geogr Med** 1980 Dec;32(4):350–7
Agents affecting health of mother and child in a rural area of Kenya. XVII. Population growth in 1974–1978. Van Ginneken JK, et al. **Trop Geogr Med** 1980 Jun;32(2):174–82
[Comprehensive primary health care in rural areas] Baard AP. **S Afr Med J** 1981 Feb 28;59(9):302–4 (Eng. Abstr.) **(Afr)**
[Experiences in cardiovascular surgery in frontier areas (author's transl)] Lian GC. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1979;7(1):42–4 **(Chi)**
[A comparative study of epidemiology of hypertension in the urban and rural areas of Shanghai (author's transl)] Zhao GS, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1979;7(1):5–8 (Eng. Abstr.) **(Chi)**
[Experiences in the establishment and consolidation of a 3-tier network for the prevention and treatment of psychoses in rural districts (author's transl)] **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1979; 12(1):14–6 **(Chi)**
[Medical practice in a rural environment] Levy D, et al. **Cah Sociol Demogr Med** 1980 Apr-Jun;20(2):65–141 **(Fre)**
[The organisation of perinatal care in a rural area. An enquiry into the Limousin Region (author's transl)] Gigonnet JM, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1979;8(7):575–81 (Eng. Abstr.) **(Fre)**
[Higher rural mortality or lower urban mortality in France? (author's transl)] Bouvier-Colle MH, et al. **Rev Epidemiol Sante Publique** 1980 Apr 30;28(1):47–57 (Eng. Abstr.) **(Fre)**
[Comparison of the frequency of psychovegetative disregulation in pupils of 13–18 years from Budapest and from the country] Róna B, et al. **Aerztl Jugendkd** 1980; 71(5):345–62 (Eng. Abstr.) **(Ger)**
[Work and the problems of rural pensions] Baun F. **Oeff Gesundheitswes** 1980 Oct;42(10):687–9 **(Ger)**
[Problems in the rehabilitation of mental patients in rural districts (author's transl)] Spielhofer H, et al. **Psychiatr Prax** 1980 Nov;7(4):247–54 (Eng. Abstr.) **(Ger)**
[Cooperation of physicians and veterinarians in optimizing health care for rural citizens] Hörig H, et al. **Z Gesamte Hyg** 1980;26(8):606–8 (Eng. Abstr.) **(Ger)**
[New aspects and problems of health education in the rural area] Kneist W, et al. **Z Gesamte Hyg** 1981;27(6):483–4 (Eng. Abstr.) **(Ger)**
[Evaluation of the effect of continuous dental care on the improvement of oral health in children in rural areas] Widawska-Stachurska J. **Czas Stomatol** 1980 Aug; 33(8):697–701 (Eng. Abstr.) **(Pol)**
[Interdistrict centralization of a pathologicoanatomic service in rural public health] Shmurun RI. **Arkh Patol** 1980; 42(6):57–60 (Eng. Abstr.) **(Rus)**
[Health education work in a rural medical unit] Levin RB, et al. **Gig Sanit** 1980 Sep;(9):80–1 **(Rus)**
[Health status of the children in organized groups in a rural locality] Nikulina LD, et al. **Gig Sanit** 1980 Jul;(7):78–9 **(Rus)**
[Practices in sanitary inspection for the planning and construction of rural populated sites] Pleskachevskaia GA. **Gig Sanit** 1981 Apr;(4):60–1 **(Rus)**
[Methodological characteristics of the studies on the effect of exogenous chemical soil pollutants on the health of rural population] Sidorenko GI, et al. **Gig Sanit** 1980 Nov; (11):5–7 (Eng. Abstr.) **(Rus)**
[Principles of determination of safety periods for people in the areas exposed to pesticides] Spynu EI, et al. **Gig Sanit** 1980 Nov;(11):64–7 **(Rus)**
[Use of information on patient hospitalization for managing surgical care in a rural district] Nagornyĭ VI, et al. **Klin Khir** 1981 Mar;(3):46–7 **(Rus)**
[Detection of tuberculosis and nonspecific lung diseases among the rural population in the periods between fluorographic examinations] Tsymbalar' GG, et al. **Probl Tuberk** 1980 Nov;(11):9–13 (Eng. Abstr.) **(Rus)**
[Organization of ambulatory polyclinical care for children living in a rural locale of Kirghizia] Dereviankina NI, et al. **Sov Zdravookhr** 1980;(10):16–8 **(Rus)**
[Living conditions in today's villages and the incidence of cardiovascular diseases] Furmenko IP, et al. **Sov Zdravookhr** 1981;(3):25–9 **(Rus)**
[Organization of specialized medical services for the rural population of Bashkiria] Kamalov MKh, et al. **Sov Zdravookhr** 1980;(11):20–4 (Eng. Abstr.) **(Rus)**
[Organization of outpatient obstetric and gynecologic services for inhabitants of rural areas] Kuznetsova LS, et al. **Sov Zdravookhr** 1980;(11):24–6 **(Rus)**
[Organization of primary medical health care for rural inhabitants] Petrov PP. **Sov Zdravookhr** 1980;(9):3–6 (Eng. Abstr.) **(Rus)**
[Public health inspections] Tiuliandin AD. **Sov Zdravookhr** 1980;(8):40–3 (Eng. Abstr.) **(Rus)**
[Development of ambulatory and polyclinic services in rural areas of Uzbekistan] Tuliaganov KS. **Sov Zdravookhr** 1980; (11):17–20 **(Rus)**
[Organizational experience with specialized care for agricultural workers] Khaĭkin GI. **Stomatologiia (Mosk)** 1981 May-Jun;60(3):77–9 **(Rus)**
[Methods of detecting contagious forms of syphilis and gonorrhea among a rural population] Chuchelin GN, et al. **Vestn Dermatol Venerol** 1981 Mar;(3):47–50 (Eng. Abstr.) **(Rus)**
[Aims of scientific studies on the nutritional health of rural workers in the Ukraine] Maĭstruk PN, et al. **Vrach Delo** 1980 Dec;(12):5–9 **(Rus)**
[Rural public health service in the Ukraine] Zelinskiĭ AN. **Vrach Delo** 1980 Nov;(11):1–6 **(Rus)**
[Beta-hemolytic streptococcus carriers in a rural population] Bošmanský K, et al. **Fysiatr Reumatol Vestn** 1980 Oct; 58(5):262–70 (Eng. Abstr.) **(Slo)**

HISTORY

Mortality changes in a Polish rural community (1350--1972) and estimation of their evolutionary significance. Piontek J, et al. **Am J Phys Anthropol** 1981 Jan;54(1):129–38
[Hospital care in Emmental] Meyer-Salzmann M. **Gesnerus** 1980;37(3–4):307–13 (Eng. Abstr.) **(Ger)**

STANDARDS

Evaluation of rural primary health care services in Iran: report on vital statistics in West Azarbaijan. Barzegar MA, et al. **Am J Public Health** 1981 Jul;71(7):739–42
Revising the rural hospital disaster plan: a role for the EMS system in managing the multiple casualty incident. Melton RJ, et al. **Ann Emerg Med** 1981 Jan;10(1):39–44
Economic aspects of village health. Elliott C. **Proc R Soc Lond [Biol]** 1980 Jul 28;209(1174):71–82
[Improved medical care for women in a rural locality] Kurilenko LI, et al. **Sov Zdravookhr** 1981;(1):13–6 (Eng. Abstr.) **(Rus)**
[Ways of improving medical care for the rural population] Madyeva LD. **Sov Zdravookhr** 1981;(5):3–6 **(Rus)**
[Further improvement in medical care for the rural population] Romanenko AE. **Sov Zdravookhr** 1980;(12):3–8 (Eng. Abstr.) **(Rus)**
[Experience in improving the management of a rural district public health system] Khodakovskiĭ VG. **Vrach Delo** 1980 Sep;(9):11–5 **(Rus)**

TRENDS

An occupational therapist reaches out in the Philippines. Hightower-Vandamm MD. **Am J Occup Ther** 1980 Sep; 34(9):559–62
Home visiting in a rural practice. Humphreys RC. **Br Med J [Clin Res]** 1981 Jan 10;282(6258):115–6
Reduction of mortality in rural Haiti [letter] **N Engl J Med** 1981 Oct 1;305(14):834–5
Reduction of mortality in rural Haiti through a primary-health-care program. Berggren WL, et al. **N Engl J Med** 1981 May 28;304(22):1324–30
Methods, equipment and techniques for rural health care and their evaluation. Ramalingaswami V. **Proc R Soc Lond [Biol]** 1980 Jul 28;209(1174):83–8
The Calabar Rural Maternal and Child Health/Family Planning Project. Weiss E, et al. **Stud Fam Plann** 1981 Feb;

12(2):47–57

[Basic health care for rural women in the GDR with special reference to changed working and living conditions in the economy] Knabe H, et al. **Z Gesamte Hyg** 1980; 26(8):609–12 (Eng. Abstr.) **(Ger)**

[Basic tasks of rural hygiene in light of the recent decisions of the Central Committee of the CPSU] Akhundov VIu. **Gig Sanit** 1980 Aug;(8):3–5 **(Rus)**

[Mass medical examinations of the rural population as a basis of transition to all-around dispensary care] Golovchenko VP, et al. **Sov Zdravookhr** 1981;(4):11–6 (Eng. Abstr.) **(Rus)**

[Socioeconomic transformations in the village and the public health developmental prospects] Testemitsanu NA, et al. **Sov Zdravookhr** 1981;(5):14–7 **(Rus)**

RURAL POPULATION

Occlusal variation in a rural Kentucky community. Corruccini RS, et al. **Am J Orthod** 1981 Mar;79(3):250–62

Growth of rural and urban children in the valley of Oaxaca, Mexico. Malina RM, et al. **Am J Phys Anthropol** 1981 Jun; 55(2):269–80

Symposium: Medical student education for rural practice: influence of curriculum and learning site. Kaufman A, et al. **Annu Conf Res Med Educ** 1980;(19):315–23

Symposium: Recruitment and selection of physicians for primary care and rural practice--results from the project talent longitudinal study. Wilson SR, et al. **Annu Conf Res Med Educ** 1980;(19):359–69

The relationship between physical growth and infant behavioral development in rural Guatemala. Lasky RE, et al. **Child Dev** 1981 Mar;52(1):219–26

Demographic responses and demographic transitions: a case study of Sweden. Mosher WD. **Demography** 1980 Nov; 17(4):395–412

The prevalence of diabetes in the rural and urban Polynesian population of Western Samoa. Zimmet P, et al. **Diabetes** 1981 Jan;30(1):45–51

Repeated surveillance of exposure to cadmium, manganese, and arsenic in school-age children living in rural, urban, and nonferrous smelter areas in Belgium. Buchet JP, et al. **Environ Res** 1980 Jun;22(1):95–108

Problems in implementing comprehensive special education programing in rural areas. Helge DI. **Except Child** 1981 Apr;47(7):514–20

Perspectives on the childless rural elderly: a comparative analysis. Kivett VR, et al. **Gerontologist** 1980 Dec; 20(6):708–16

A psychiatric outreach project to a rural community. Miles JE. **Hosp Community Psychiatry** 1980 Dec;31(12):822–5

Utilization of services of community health workers by the rural population. Chandra R, et al. **Indian J Med Res** 1980 Jun;71:975–84

Pattern of alcohol consumption of rural Punjab males. Mohan D, et al. **Indian J Med Res** 1980 Nov;72:702–11

Home care of the newborn and management of high risk pregnancies in rural India. Kumar V. **Indian J Pediatr** 1980 Jan–Feb;47(384):33–6

Perception regarding need for ante-natal care among rural and urban women in Delhi. Murali I, et al. **Indian J Public Health** 1980 Apr–Jun;24(2):68–75

Prevalence of deafness in a rural population of Lucknow district. Singh AP, et al. **Indian J Public Health** 1980 Jan–Mar;24(1):23–31

An epidemiological study of arterial pressure in an Indian rural population. Srivastava RN, et al. **Indian J Public Health** 1980 Jan–Mar;24(1):3–15

Prevalence and patterns of handicaps in a rural area. Pandit A, et al. **Indian Pediatr** 1981 Jan;18(1):35–9

Relationship between traits of Kentucky physicians and their practice areas. Aaron PR, et al. **Inquiry** 1980 Summer; 17(2):128–36

The contribution of rural hospitals to local economies. Christianson JB, et al. **Inquiry** 1981 Spring;18(1):46–60

Drinking among rural youth: the dynamics of parental and peer influence. Lassey ML, et al. **Int J Addict** 1980; 15(1):61–75

The monitoring of ozone immissions in rural and urban areas. Landry JC, et al. **Int J Environ Anal Chem** 1981;9(3):169–87

Prevention of maternal death in a Nigerian village. Hartfield VJ, et al. **Int J Gynaecol Obstet** 1980 Sep–Oct;18(2):150–2

Posture and anthropometric variables in Irish males: variations with social group and rural–urban environment. Watson AW. **Ir J Med Sci** 1981 May;150(5):136–43

The prevalence of hepatitis B infection amongst urban and rural populations in Western Samoa. Gust ID, et al. **J Hyg (Lond)** 1981 Feb;86(1):87–93

Haemoglobin and serum-ferritin in the Thai population: levels in rural villagers before and after receiving iron-fortified foodstuffs. Tuntawiroon M, et al. **J Med Assoc Thai** 1980 Jun;63(6):330–8

The current status of urban–rural differences in psychiatric disorder. An emerging trend for depression. Mueller DP. **J Nerv Ment Dis** 1981 Jan;169(1):18–27

The use of the Kohn chlorazol black fixative-stain in an intestinal parasite survey in rural Costa Rica. Bullock WL. **J Parasitol** 1980 Oct;66(5):811–3

Why not use local maps in general practice? Williamson JB. **J R Coll Gen Pract** 1980 Jul;30(216):422

High blood pressure data from rural communities. Southard JW. **J SC Med Assoc** 1980 Sep;76(9 Suppl):102–3

Sex education in a rural high school. Gumerman S, et al. **J Sch Health** 1980 Oct;50(8):478–80

Banyusidi village water supply: a case study of project implementation and utilization in rural Indonesia. Williams G, et al. **J Trop Med Hyg** 1981 Aug;84(4):141–6

Cancer in Utah: risk by religion and place of residence. Lyon JL, et al. **JNCI** 1980 Nov;65(5):163–71

Laparoscopic sterilization with the Falope ring: experience with 10,100 women in rural camps. Mehta PV. **Obstet Gynecol** 1981 Mar;57(3):345–50

Psychiatric disorder in a rural and an urban population: 1. Aetiology of depression. Brown GW, et al. **Psychol Med** 1981 Aug;11(3):581–99

Psychiatric disorder in a rural and an urban population: 2. Sensitivity to loss. Prudo R, et al. **Psychol Med** 1981 Aug; 11(3):601–16

Quick Test Alternate-Form reliability for rural mountain children and youth with learning problems. Vance H, et al. **Psychol Rep** 1980 Dec;47(3 Pt 2):1109–10

A decentralized rehabilitation program for chronic airway obstruction disease patients in small urban and rural areas of Wisconsin: a preliminary report. Braun SR, et al. **Public Health Rep** 1981 Jul–Aug;96(4):315–8

Western cape health promotion committee [letter] Mankazana EM. **S Afr Med J** 1981 Feb 28;59(9):287

Familism and hospital admission in rural Nigeria--a case study. Abasiekong EM. **Soc Sci Med [Med Anthropol]** 1981 Jan;15B(1):45–50

The role of traditional healers in mental health care in rural India. Kapur RL. **Soc Sci Med [Med Anthropol]** 1979 Jan; 13 B(1):27–31

Clinical experiences in residency training: some urban–rural comparisons. Kennedy VC. **Tex Med** 1981 May;77(5):64–7

[Respiratory system diseases among the rural population] Vlaev R. **Vutr Boles** 1980;19(5):43–8 (Eng. Abstr.) **(Bul)**

[Outcome of untreated hypertensives in an agricultural population, a 15-year follow-up study (author's transl)] Tseng WP. **Taiwan I Hsueh Hui Tsa Chih** 1980 Jun; 79(6):556–63 (Eng. Abstr.) **(Chi)**

[Depopulation of rural districts and mental health: the Sassim study (author's transl)] Marinoni A, et al. **Rev Epidemiol Sante Publique** 1980 Apr 30;28(1):105–14 (Eng. Abstr.) **(Fre)**

[Gingivitis and plaque occurrence in schoolchildren in urban and rural communities] Koivuniemi J, et al. **SSO** 1980 Jul; 90(7):682–94 (Eng. Abstr.) **(Ger)**

[Results of a morbidity study conducted in 1976 in the city and rural district of Potsdam] Kaden E. **Stomatol DDR** 1980 Aug;30(8):572–9 (Eng. Abstr.) **(Ger)**

[Development of adolescent dental care in the rural district of Sternberg] Maahs H, et al. **Stomatol DDR** 1980; 30(9):630–5 (Eng. Abstr.) **(Ger)**

[Values of oral hygiene indices of urban and rural youth] Kwapińska H, et al. **Czas Stomatol** 1980 Oct;33(10):935–8 (Eng. Abstr.) **(Pol)**

[Nutritional status of children in the 1st year of life in rural communities of Planaltina, Brazil, in 1976] Santiago de Almeida I, et al. **Bol Of Sanit Panam** 1980 Dec;89(6):546–52 **(Por)**

[Methodological approaches to studying the effect of intensive pesticide use on the health of children living in a rural locality] Medved' LI, et al. **Gig Sanit** 1981 Feb; (2):12–4 (Eng. Abstr.) **(Rus)**

[Epidemiology of arterial hypertension and ischemic heart disease in the rural population of the Kuban] Petrova TR, et al. **Kardiologiia** 1980;20(12):84–9 (Eng. Abstr.) **(Rus)**

[Organization of specialized surgical care for the rural population of Rovno Province] Borovyĭ EM, et al. **Klin Khir** 1980 Nov;(11):52–5 **(Rus)**

[Arterial hypertension and kidney pathology in urban and rural school children] Krylov VP, et al. **Pediatriia** 1981 Apr;(4):73–4 **(Rus)**

[Level of hygiene knowledge on questions of tuberculosis among the urban and rural populations] Zakopaĭlo GG. **Probl Tuberk** 1980 Sep;(9):13–5 (Eng. Abstr.) **(Rus)**

[Morbidity in the 1st year of life among infants living in a rural locality] Kalancha RI. **Sov Zdravookhr** 1980;(8):25–7 **(Rus)**

[Nonspecific lung diseases in urban and rural adult residents] Putintsev VI. **Sov Zdravookhr** 1981;(3):34–9 (Eng. Abstr.) **(Rus)**

[Incidence of nonspecific lung diseases among the adult population of agricultural disricts] Putnitsev VI, et al. **Sov Zdravookhr** 1980;(9):23–7 (Eng. Abstr.) **(Rus)**

[Health status of adolescents living a rural locality of the Belorrussian SSR] Solonenko IuT. **Sov Zdravookhr** 1981; (4):43–8 (Eng. Abstr.) **(Rus)**

[Pressing scientific research problems in the nutritional health of the rural population] Minkh AA, et al. **Vestn Akad Med Nauk SSSR** 1981;(1):83–8 (38 ref.) **(Rus)**

[Incidence of chronic nonspecific lung diseases among the adult population of a rural district] Chernobrovyĭ NP, et al. **Vrach Delo** 1981 May;(5):119–21 **(Rus)**

[Organizational problems of conducting mass prophylactic examinations of the rural population] Emel'ianova GF, et al. **Vrach Delo** 1981 May;(5):121–3 **(Rus)**

[Diabetes mellitus, obesity, and ischaemic heart disease prevalence in a rual community (author's transl)] Kollár J, et al. **Cas Lek Cesk** 1980 Jul 25;119(29–30):804–7 (Eng. Abstr.) **(Slo)**

[Observation on the health conditions in the rural regions of Taumalipas, Mexico] Carrada Bravo T. **SPM** 1980 Jan–Feb;22(1):45–74 (Eng. Abstr.) **(Spa)**

RUSSELL'S VIPER VENOM TIME see **PROTHROMBIN TIME**

RUTAMYCIN see under **ANTIBIOTICS, ANTIFUNGAL**

RUTHENIUM

The pentaammineruthenium(III)histidine complex in ribonuclease A: application to the assignment of histidine proton resonances. Matthews CR, et al. **Anal Biochem** 1981 Apr;112(2):329–37

Positive colloidal thorium dioxide as an electron microscopical contrasting agent for glycosaminoglycans, compared with ruthenium red and positive colloidal iron. Groot CG. **Histochemistry** 1981;71(4):617–27

Cytotoxic activity, tumor accumulation, and tissue distribution of ruthenium-103-labeled bleomycin. Stern PH, et al. **JNCI** 1981 May;66(5):807–11

Ruthenium red- p-phenylenediamine staining of monolayers to facilitate handling and selection of specific cells for transmission electron microscopy. Shepard N, et al. **Stain Technol** 1981 May;56(3):143–7

[Fixation on presence of rutenic red in the fixative solution (author's transl)] Blažeková J, et al. **Bratisl Lek Listy** 1980 Aug;74(2):145–54 (Eng. Abstr.) **(Slo)**

ADVERSE EFFECTS

[95Zn, 95Nb and 106Ru penetration into the body from the surface of contaminated skin] Barsegian LG, et al. **Gig Sanit** 1981 Jan;(1):32–4 (Eng. Abstr.) **(Rus)**

[Working conditions and the health status of those working with ruthenium compounds] Akinfieva TA, et al. **Gig Tr Prof Zabol** 1981 Feb;(2):44–5 **(Rus)**

ANALYSIS

[Radioruthenium in the environment (author's transl)] Iwashima K, et al. **Radioisotopes** 1979 Mar;28(3):184–93 (86 ref.) **(Jpn)**

DIAGNOSTIC USE

Ruthenium red staining material in Herbst and Grandry sensory corpuscles. Chouchkov C, et al. **Acta Histochem (Jena)** 1980;66(1):160–7

Ruthenium-97 DTPA: a new radiopharmaceutical for cisternography. Oster ZH, et al. **J Nucl Med** 1981 Mar; 22(3):269–73

Ruthenium-97 hepatobiliary agents for delayed studies of the biliary tract. I. ru-97 PIPIDA: concise communication. Schachner ER, et al. **J Nucl Med** 1981 Apr;22(4):352–7

Ruthenium red-mediated osmium binding for examining uncoated biological material under the scanning electron microscope. Feria-Velasco A, et al. **Stain Technol** 1981 Mar;56(2):71–8

Ruthenium red staining of blood-bubble interface in acute decompression sickness in rat. Lehto VP, et al. **Undersea Biomed Res** 1981 Jun;8(2):101–11

ISOLATION & PURIFICATION

An effective electron donor to cytochrome oxidase. Purification, identification, and kinetic characterization of a contaminant of ruthenium red, hexaammineruthenium II/III. Hochman JH, et al. **J Biol Chem** 1981 Aug 25; 256(16):8693–8

METABOLISM

Metabolism and dosimetry of inhaled 106RuO4 in Fischer-344 rats. Runkle GE, et al. **Health Phys** 1980 Sep; 39(3):543–53

Oxidation of ruthenium red for use as an intercellular tracer. Handley DA, et al. **Histochemistry** 1981;71(2):249–58

[Gamma-emitter labelled amino sugars: organ distribution and metabolism of 103Ru-ruthenocene derivatives in mice] Wenzel M, et al. **Int J Appl Radiat Isot** 1981 Jan;32(1):5–11 (Eng. Abstr.) **(Ger)**

[Effect of Ca2+ on ruthenium red sorption by the brain synaptosomes of rats deprived of the paradoxical sleep phase] Nilova NS. **Tsitologiia** 1980 Sep;22(9):1081–4 (25 ref.) (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Prevention of vinblastine-induced cytotoxicity by ruthenium red. Tsuruo T, et al. **Biochem Pharmacol** 1981 Feb 1; 30(3):213–6

Effect of ruthenium red on calcium efflux from rat liver mitochondria. Rigoni F, et al. **FEBS Lett** 1980 Nov 3; 120(2):255–8

TOXICITY

Mutagenic and toxic effects of ruthenium. Yasbin RE, et al. **Chem Biol Interact** 1980 Sep;31(3):355–65

Toxicology and pharmacology of some ruthenium compounds: Vascular smooth muscle relaxation by nitrosyl derivatives of ruthenium and iridium. Kruszyna H, et al. **J Toxicol Environ Health** 1980 Jul;6(4):757–73

[Establishing an MPEL for ruthenium dioxide in the air of a work area] Akinfieva TA. **Gig Tr Prof Zabol** 1981 Jan;

(1):46–7 **(Rus)**

RUTHENIUM RED see under **RUTHENIUM**

RUTIN

ANALOGS & DERIVATIVES

The effect of O-(beta-hydroxyethyl)-rutosides (HR) on the skin capillary resistance of rats. Gábor M. **Arzneimittelforsch** 1981;31(3):442–5

Identification and quantification of O-(beta-hydroxyethyl)-rutosides by mass spectrometry selected ion monitoring. Kuhnz W, et al. **Biomed Mass Spectrom** 1980 Jun;7(6):269–72

A double blind trial of oral O. B-hydroxyethyl rutosides for stasis leg ulcers. Mann RJ. **Br J Clin Pract** 1981 Feb; 35(2):79–81

Effect of HR (O-(beta-hydroxyethyl)-rutosides) on the impaired venous function of young females taking oral contraceptives. A strain gauge plethysmographic and clinical open controlled study. Forconi S, et al. **Vasa** 1980; 9(4):324–30

The effect of benzo-pyrones on the canine pancreas submitted to long-term hypothermic perfusion. Nožičková M, et al. **Z Exp Chir** 1981 Feb;14(1):30–4

[Parieval in 52 cases of internal ear deafness] Martin H, et al. **Ann Otolaryngol Chir Cervicofac** 1980 Dec; 97(12):1073–9 **(Fre)**

[Venalot used in therapy of phlebopathies] Lacativa AS. **Med Welt** 1980 May 9;31(19):727–9 **(Ger)**

[Reduction of radiation-induced early skin damage (mouse foot) by O-(beta-hydroxyethyl)-rutoside (author's transl)] Fritz-Niggli H, et al. **ROEFO** 1980 Sep;133(3):316–21 (Eng. Abstr.) **(Ger)**

[Sclerosing of varicose veins and additional medication. Are disease course and results affected by combined therapy? An experience report] Böhme D. **ZFA (Stuttgart)** 1980 May 10;56(13):953–9 **(Ger)**

[Venoryton in the treatment of crural varicose veins] Nowak A, et al. **Przegl Dermatol** 1980 Jul-Aug;67(4):481–6 **(Pol)**

PHARMACODYNAMICS

Flavonoids with antioxidant action (naringin and rutin) and the release of mastocytic and nonmastocytic histamine. Lambev I, et al. **Acta Physiol Pharmacol Bulg** 1980; 6(2):70–5

THERAPEUTIC USE

[Ercevit Fort and chronic venous insufficiency. Application to the treatment of hemorrhoid pathology] Chevrel B. **Med Chir Dig** 1980;9(7):647–50 **(Fre)**

[Therapeutic effectiveness of rimantadine and antigrippen against A1(H1N1) influenza in the 1977–1978 epidemic] Zlydnikov DM, et al. **Vrach Delo** 1981;(6):109–11 **(Rus)**

URINE

Studies on drug metabolism by use of isotopes XXVI: Determination of urinary metabolites of rutin in humans. Baba S, et al. **J Pharm Sci** 1981 Jul;70(7):780–2

RYANODINE see under **ALKALOIDS**

RYE see under **GRAIN**

S PERIOD see **INTERPHASE**

SABIN VACCINE see **POLIOVIRUS VACCINE, ORAL**

SACCADES see under **EYE MOVEMENTS**

SACCHARIN

Effect of L-tryptophan and sodium saccharin on urinary tract carcinogenesis initiated by N-[4-(5-nitro-2-furyl)-2-thiazolyl]formamide. Fukushima S, et al. **Cancer Res** 1981 Aug;41(8):3100–3

Effect of commercial saccharin preparations on urethan-induced lung tumorigenesis in strain A mice. Theiss JC, et al. **Cancer Res** 1980 Nov;40(11):4322–4

Saccharin: para forms of some impurities are not mutagenic in Salmonella typhimurium [letter] Poncelet F, et al. **Food Cosmet Toxicol** 1980 Aug;18(4):453

Feeding and selection of saccharin after injections of bombesin, LiCl, and NaCl. Kulkosky PJ, et al. **Peptides (Fayetteville)** 1981 Spring;2(1):61–4

ADMINISTRATION & DOSAGE

Exaggerated consumption of saccharide solutions following experimental portacaval anastomosis in rats. Martin JR, et al. **Behav Neural Biol** 1981 May;32(1):54–9

Dose response of saccharin in induction of urinary bladder hyperplasias in Fischer 344 rats pretreated with N-butyl-N-(4-hydroxybutyl)nitrosamine. Nakanishi K, et al. **JNCI** 1980 Nov;65(5):1005–10

Using profiles of saccharin and water drinking to detect and discriminate actions of drugs and toxicants. Yamamoto BK, et al. **Pharmacol Biochem Behav** 1980 Oct;13(4):507–12

Some determinants of intake of glucose + saccharin solutions. Smith JC, et al. **Physiol Behav** 1980 Jul; 25(1):127–33

ADVERSE EFFECTS

Ortho-toluene sulphonamide and saccharin in the promotion of bladder cancer in the rat. Hooson J, et al. **Br J Cancer** 1980 Jul;42(1):129–47

Policy statement: saccharin. Select Committee on Sugar Substitutes, American Diabetes Association. **Diabetes Care** 1978 Jul-Aug;1(4):209–10

The saccharin controversy. Kalkhoff RK, et al. **Diabetes Care** 1978 Jul-Aug;1(4):211–22 (49 ref.)

Effects of sodium saccharin and caffeine on the urinary bladder of rats treated with n-butyl-n-(4-hydroxybutyl)nitrosamine. Nakanishi K, et al. **Gan** 1980 Aug;71(4):490–500

[Saccharin and bladder cancer (editorial)] **S Afr Med J** 1980 Oct 4;58(14):545 **(Afr)**

ANALOGS & DERIVATIVES

Inhibition of elastase and other serine proteases by heterocyclic acylating agents. Zimmerman M, et al. **J Biol Chem** 1980 Oct 25;255(20):9848–51

ANALYSIS

Differential pulse polarographic determination of saccharin in foods: collaborative study. Holak W, et al. **J Assoc Off Anal Chem** 1980 Mar;63(2):163–7

Sugar and saccharin content of antacids [letter] Stolinsky DC. **N Engl J Med** 1981 Jul 16;305(3):166–7

[Determination of saccharin content in dietetic preparations by gas chromatography] Karłowski K. **Rocz Panstw Zakl Hig** 1980;31(6):581–5 (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

In vitro effects of saccharin on cell-mediated host defence mechanisms. Mantovani A, et al. **Toxicol Lett** 1980 Mar; 5(3-4):287–95

METABOLISM

A preliminary report on the pharmacokinetics of saccharin in man: single oral dose administration. Colburn WA, et al. **J Clin Pharmacol** 1981 Apr;21(4):147–51

PHARMACODYNAMICS

Inhibition of dental caries in the inbred hamster by saccharin. Linke HA. **Ann Dent** 1980 Winter;39(4):71–4

Stimulation of DNA synthesis in calcium-deprived T51B liver cells by the tumor promoters phenobarbital, saccharin, and 12-O-tetradecanoylphorbol-13-acetate. Boynton AL, et al. **Cancer Res** 1980 Dec;40(12):4541–5

Effect of sodium saccharin and L-tryptophan on rat urine during bladder carcinogenesis. Demers DM, et al. **Cancer Res** 1981 Jan;41(1):108–12

Saccharin-induced hyperplasia of the rat urinary bladder. Fukushima S, et al. **Cancer Res** 1980 Mar;40(3):734–6

The effect of sodium saccharin in the diet on caecal microflora. Anderson RL, et al. **Food Cosmet Toxicol** 1980 Aug;18(4):353–5

Effect of cyclamate sodium, saccharin sodium and stevioside on arginine-induced insulin and glucagon secretion in the isolated perfused rat pancreas. Usami M, et al. **Horm Metab Res** 1980 Dec;12(12):705–6

Saccharin and cyclamate inhibit binding of epidermal growth factor. Lee LS. **Proc Natl Acad Sci USA** 1981 Feb; 78(2):1042–6

The tissue distribution and pharmacokinetics of saccharin in the rat. Sweatman TW, et al. **Toxicol Appl Pharmacol** 1980 Aug;55(1):18–31

Saccharin effects on the urinary physiology and urothelium of the rat when administered in diet or drinking water. West RW, et al. **Toxicol Lett** 1981 Mar;7(6):409–16

TOXICITY

Saccharin and society. Nightingale EO, et al. **Am J Med** 1981 Jul;71(1):9–12

Absence of carcinogenic response to cyclamate and saccharin in Sprague-Dawley rats after transplacental application. Schmähl D, et al. **Arzneimittelforsch** 1980;30(11):1905–6

The failure of chronically administered saccharin to stimulate bladder epithelial DNA synthesis in F0 rats. Lawson TA, et al. **Cancer Lett** 1981 Jan;11(3):221–4

Cell culture tumor promotion experiments with saccharin, phorbol myristate acetate and several common food materials. Sivak A, et al. **Cancer Lett** 1980 Jul;10(1):27–32

Effect of dose of sodium saccharin on the induction of rat urinary bladder proliferation. Murasaki G, et al. **Cancer Res** 1981 Mar;41(3):942–4

Syncarcinogenic action of saccharin or sodium cyclamate in the induction of bladder tumours in MNU-pretreated rats. Green U, et al. **Food Cosmet Toxicol** 1980 Dec; 18(6):575–9

Effects of saccharin on primary humoral antibody production in rats. Luini W, et al. **Toxicol Lett** 1981 Apr;8(1-2):1–6

[Renal and hepatic toxicity studies in mice treated with sodium saccharin: breaks in single-stranded DNA] Cesarone CF, et al. **Boll Soc Ital Biol Sper** 1980 Dec 15; 56(23):2486–91 (Eng. Abstr.) **(Ita)**

SACCHAROMYCES

ANALYSIS

Occurrence of proteinase A isoinhibitors in wild type yeast strains and commercial baker's yeast. Meussdoerffer F. **Biochem Biophys Res Commun** 1980 Nov 28;97(2):423–9

[Relationship between aeration and sterol distribution in yeasts] Gal'tsova RD, et al. **Mikrobiologiia** 1981 Jan-Feb; 50(1):84–9 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Spontaneous spatio-temporal organization in yeast cell suspension. Jacobsen H, et al. **J Cell Sci** 1980 Jun;43:367–77

ENZYMOLOGY

The specificity of induction of alpha-galactosidase from Saccharomyces carlsbergensis. Flórez IG, et al. **Biochim Biophys Acta** 1981 Apr 17;674(1):71–7

Isolation, purification, and study of certain properties of diacetyl(acetoin) reductase in the yeast Saccharomyces vini. Kavadze AV, et al. **Biol Bull Acad Sci USSR** 1979 May-Jun;6(3):356–61

Hydroxyl-ion-induced subunit dissociation of east cytoplasmic pyruvate decarboxylase. A circular dichroism study. Hopmann RF. **Eur J Biochem** 1980 Sep;110(1):311–8

Secretion of intermediate molecular forms of invertase by Saccharomyces carlsbergensis G-517 treated with 2-deoxy-D-glucose. Parra F, et al. **FEBS Lett** 1980 Sep 8;118(2):330–2

Fluorescence properties of reconstituted forms of UDP-glucose 4-epimerase from Saccharomyces fragilis. Ray M, et al. **J Biol Chem** 1980 Nov 25;255(22):10782–86

Presence of two conformationally vicinal sulfhydryl groups at the active site of UDP-glucose 4-epimerase from Saccharomyces fragilis. Ray M, et al. **J Biol Chem** 1980 Nov 25;255(22):10777–81

[Alcoholic fermentation: influence of the culture conditions on inhibition by ethanol (author's transl)] Navarro JM. **Cell Mol Biol** 1980;26(2):241–6 (Eng. Abstr.) **(Fre)**

[Alcohol dehydrogenase (ADH) in yeasts. III. Structural investigations on cellular ADH-crystals in Saccharomyces carlsbergensis by means of electronmicroscopy and small angle x-ray scattering (author's transl)] Künkel W, et al. **Mikroskopie** 1980 Jun;36(3-4):81–92 (Eng. Abstr.) **(Ger)**

GENETICS

Replication and recombination functions associated with the yeast plasmid, 2 mu circle. Broach JR, et al. **Cell** 1980 Sep;21(2):501–8

Mutations affecting synthesis of beta-galactosidase activity in the yeast Kluyveromyces lactis. Sheetz RM, et al. **Genetics** 1980 Aug;95(4):877–90

Pleiotropic glucose repression-resistant mutation in Saccharomyces carlesbergensis. Michels CA, et al. **J Bacteriol** 1980 Aug;143(2):674–9

Fine structure of the 21S ribosomal RNA region on yeast mitochondrial DNA. IV. Characterization of the omega neutral allele. Bos JL. **MGG** 1981;181(4):420–3

Association of the 2-micron DNA plasmid with yeast folded chromosomes. Taketo M, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3144–8

METABOLISM

Accumulation of pyrophosphate and other energy-rich phosphorous compounds under various conditions of yeast growth. Ermakova SA, et al. **Arch Microbiol** 1981 Feb; 128(4):394–7

Purification of yeast tubulin by self-assembly in vitro. Kilmartin JV. **Biochemistry** 1981 Jun 9;20(12):3629–33

Effects of 2-deoxy-D-glucose on the synthesis of RNA and protein in Saccharomyces carlsbergensis G-517. Parra F, et al. **Biochim Biophys Acta** 1980 Nov 14;610(1):141–6

Kinetic analysis of simultaneously occurring proton-sorbose symport and passive sorbose transport in Saccharomyces fragilis. van den Broek PJ, et al. **Biochim Biophys Acta** 1980 Nov 4;602(2):419–32

Ethanol production by Zymomonas mobilis and Saccharomyces uvarum on aflatoxin-contaminated and ammonia-detoxified corn. Nofsinger GW, et al. **Can J Microbiol** 1981 Feb;27(2):162–7

Thiopyronine-sensitized photodynamic effect on RNA synthesis in Saccharomyces cells in vivo. Lochmann ER, et al. **Int J Radiat Biol** 1981 Jul;40(1):1–9

Role of vacuolar ion pool in Saccharomyces carlsbergensis: potassium efflux from vacuoles is coupled with manganese or magnesium influx. Lichko LP, et al. **J Bacteriol** 1980 Nov;144(2):666–71

Vacuoles: main compartments of potassium, magnesium, and phosphate ions in Saccharomyces carlsbergenis cells. Okorokov LA, et al. **J Bacteriol** 1980 Nov;144(2):661–5

Some characteristics of processing sites in ribosomal precursor RNA of yeast. Veldman GM, et al. **Nucleic Acids Res** 1980 Jul 11;8(13):2907–20

[Induction of respiratory defect as a function of energy metabolism regulation (author's transl)] von Klitzing L. **MMW** 1981 Feb 13;123(7):263–4 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Thiopyronine sensitized photodynamic effect on ribosome

synthesis and ribosome content in Saccharomyces cells. Lochmann ER, et al. **Radiat Environ Biophys** 1981; 19(3):181–6

RADIATION EFFECTS

[Cell recovery from radiation damage by means of antioxidants and the reliability of biological systems] Kol'tover VK, et al. **Dokl Akad Nauk SSSR** 1980; 254(3):760–2 **(Rus)**

SACCHAROMYCES CEREVISIAE

Virus-like particles of yeast. Bruenn JA. **Annu Rev Microbiol** 1980;34:49–68 (111 ref.)

Beneficial effect of chromium-rich yeast on glucose tolerance and blood lipids in elderly subjects. Offenbacher EG, et al. **Diabetes** 1980 Nov;29(11):919–25

Fluorescence of yeast vitally stained with ethidium bromide and propidium iodide. Corliss DA, et al. **J Histochem Cytochem** 1981 Jan;29(1):45–8

ANALYSIS

Isolation and properties of elongation factor 1 from Saccharomyces cerevisiae. Paleń E, et al. **Acta Microbiol Pol** 1981;30(2):111–21

Heterogenous forms of yeast elongation factor. Wolska-Mitaszko B, et al. **Acta Microbiol Pol** 1980; 29(4):413–7

A general, fast, and sensitive micromethod for DNA determination application to rat and mouse liver, rat hepatoma, human leukocytes, chicken fibroblasts, and yeast cells. Fiszer-Szafarz B, et al. **Anal Biochem** 1981 Jan 1; 110(1):165–70

Characterization of two acidic proteins of Saccharomyces cerevisiae ribosome. Juan Vidales F, et al. **Biochem Biophys Res Commun** 1981 Feb 12;98(3):717–26

Occurrence of proteinase A isoinhibitors in wild type yeast strains and commercial baker's yeast. Meussdoerffer F. **Biochem Biophys Res Commun** 1980 Nov 28;97(2):423–9

High-resolution phosphorus nuclear magnetic resonance spectra of yeast phenylalanine transfer ribonucleic acid. Metal ion effects and tentative partial assignment of signals. Gorenstein DG, et al. **Biochemistry** 1981 Apr 14; 20(8):2141–50

Nuclear magnetic resonance and nuclear Overhauser effect study of yeast phenylalanine transfer ribonucleic acid imino protons. Johnston PD, et al. **Biochemistry** 1981 Mar 3; 20(5):1147–56

Rapid purification of yeast mitochondrial DNA in high yield. Hudspeth ME, et al. **Biochim Biophys Acta** 1980 Dec 11; 610(2):221–8

Yeast, rye, and calf histones. Similarities and differences detected by electrophoretic and immunological methods. Tessier A, et al. **Can J Biochem** 1980 May;58(5):405–9

Influence of S-adenosylmethionine on DAPI-induced fluorescence of polyphosphate in the yeast vacuole. Allan RA, et al. **Can J Microbiol** 1980 Aug;26(8):912–20

Growth-inhibitory activity of the D-mannan of Saccharomyces cerevisiae X2180-1A-5 mutant strain against mouse-implanted sarcoma 180 and Ehrlich-carcinoma solid tumor. Matsumoto T, et al. **Carbohydr Res** 1980 Aug 15;83(2):363–70

Identification and biological activity of fatty acids as a gastric secretion inhibitory principle from dried brewer's yeast. Mimura T, et al. **Chem Pharm Bull (Tokyo)** 1980; 28(4):1077–81

The histones of yeast. The isolation and partial structure of the core histones. Brandt WF, et al. **Eur J Biochem** 1980 Sep;110(1):67–76

Isolation and preliminary characterisation of DNA-protein complexes from the mitochondria of Saccharomyces cerevisiae. Rickwood D, et al. **Exp Cell Res** 1981 May; 133(1):1–13

The tertiary structure of yeast tRNAPhe in solution studied by phosphodiester bond modification with ethylnitrosourea. Vlassov VV, et al. **FEBS Lett** 1980 Oct 20;120(1):12–6

Protection of phosphodiester bonds in yeast tRNAVal by its cognate aminoacyl-tRNA synthetase against alkylation by ethylnitrosourea. Vlassov VV, et al. **FEBS Lett** 1981 Jan 26;123(2):277–81

Preparation of zymosan from yeast cell walls. Holan Z, et al. **Folia Microbiol (Praha)** 1980;25(6):501–4

High molecular weight messenger RNA in polysomes of osmotic dependent Saccharomyces cerevisiae mutants. Venkov PV, et al. **Int J Biochem** 1981;13(1):83–90

Lysinoalanine formation in yeast proteins isolated by alkaline methods. Shetty JK, et al. **J Agric Food Chem** 1980 Jul-Aug;28(4):798–800

Immunochemical studies of the mannans of Saccharomyces cerevisiae X2180-1A-5 and Saccharomyces cerevisiae 4484-24D-1 mutant strains, with special reference to their phosphate content. Okubo Y, et al. **J Bacteriol** 1980 Oct; 144(1):92–6

Fluctuation in polyadenylate size and content in exponential- and stationary-phase cells of Saccharomyces cerevisiae. Sogin SJ, et al. **J Bacteriol** 1980 Oct;144(1):74–81

Identification of an actin-like protein and of its messenger ribonucleic acid in Saccharomyces cerevisiae. Water RD, et al. **J Bacteriol** 1980 Dec;144(3):1143–51

The yeast his4 multifunctional protein. Immunochemistry of the wild type protein and altered forms. Bigelis R, et al. **J Biol Chem** 1981 May 25;256(10):5144–52

The partial purification, separation, and properties of yeast killer toxins. Extremera AL, et al. **Microbios** 1980; 27(107):33–40

A rapid method for mapping exposed cytosines in polyribonucleotides. Application to tRNATrp (yeast, beef liver). Mashkova TD, et al. **Mol Biol Rep** 1980 Jul 31; 6(2):83–7

Yeast mitochondrial methionine initiator tRNA: characterization and nucleotide sequence. Canaday J, et al. **Nucleic Acids Res** 1980 Apr 11;8(7):1445–57

Inverted repeated sequences in yeast nuclear DNA. Klein HL, et al. **Nucleic Acids Res** 1980 Oct 24;8(20):4651–69

[Antitumor activity of yeast cell wall against syngeneic tumors and its effect on mitogenic response of spleen cells from tumor-bearing mice (author's transl)] Shimizu T, et al. **Yakugaku Zasshi** 1980 Jun;100(6):619–24 (Eng. Abstr.) **(Jpn)**

CYTOLOGY

Mitochondrial control of cell surface characteristics in Saccharomyces cerevisiae. Evans IH, et al. **Biochim Biophys Acta** 1980 Oct 16;602(1):201–6

Yeast cell wall, membrane, and soluble marker polypeptides identified by comparative two-dimensional electrophoresis. Robertson AJ, et al. **Can J Biochem** 1980 Jul;58(7):565–72

The effect of alpha-factor on the rate of cell-cycle initiation in Saccharomyces cerevisiae: alpha-factor modulates transition probability in yeast. Samokhin GP, et al. **Exp Cell Res** 1981 Feb;131(2):267–75

Cellular effects in microbial tester strains caused by exposure to microwaves or elevated temperatures. Dutta SK, et al. **J Environ Pathol Toxicol** 1980 Jun-Jul;3(5-6):195–206

DRUG EFFECTS

Influence of extracellular K+ or Mg2+ on the stages of the antifungal effects of amphotericin B and filipin. Brajtburg J, et al. **Antimicrob Agents Chemother** 1980 Oct; 18(4):593–7

Resistance to adriamycin cytotoxicity among respiratory-deficient mutants in yeast. Hixon SC, et al. **Antimicrob Agents Chemother** 1980 Mar;17(3):443–9

Effects of potassium and sodium ions on the killing action of a Pichia kluyveri toxin in cells of Saccharomyces cerevisiae. Middelbeek EJ, et al. **Antimicrob Agents Chemother** 1980 Oct;18(4):519–24

Radiometric prescreen for antitumor activity with Saccharomyces cerevisiae mutant strain. Speedie MK, et al. **Antimicrob Agents Chemother** 1980 Jul;18(1):171–5

Physiological conditions affecting the sensitivity of Saccharomyces cerevisiae to a Pichia kluyveri killer toxin and energy requirement for toxin action. Middelbeek EJ, et al. **Antonie Van Leeuwenhoek** 1980;46(5):483–97

Influence of pH and length of post-treatment incubation on bleomycin-induced DNA damage. Moore CW, et al. **Biochim Biophys Acta** 1980 Dec 11;610(2):425–9

Genetic effects of vinylcyclohexene diepoxide in yeast. Bronzetti G, et al. **Boll Soc Ital Biol Sper** 1980 Sep 30; 56(18):1803–6

Effect of cryo-protective agents on the growth and ultrastructure of Saccharomyces cerevisiae. Srivastava KC, et al. **Cytobios** 1980;29(113):29–36

Effect of growth factor deficiency on nystatin sensitivity in Saccharomyces cerevisiae. Jirku V, et al. **Experientia** 1981 Jan 15;37(1):39–40

Inhibitory effect of 5-bromo-6-azauracil on growth and cell division of Saccharomyces cerevisiae. Jirku V, et al. **Experientia** 1981 Jan 15;37(1):36

Alteration in the redox balance of yeast leads to allyl alcohol resistance. Wills C, et al. **FEBS Lett** 1980 Sep 22; 119(1):105–8

Antimicrobial activity of 2-vinylfuran derivatives. Drobnica L, et al. **Folia Microbiol (Praha)** 1980;25(6):467–75

Effect of sterol side chains on growth and membrane fatty acid composition of Saccharomyces cerevisiae. Buttke TM, et al. **J Bacteriol** 1980 Oct;144(1):124–30

The influence of the microtubule inhibitor, methyl benzimidazol-2-yl-carbamate (MBC) on nuclear division and the cell cycle in Saccharomyces cerevisiae. Quinlan RA, et al. **J Cell Sci** 1980 Dec;46:341–52

Primary antimitochondrial activity of the cancer drug methylglyoxal bis(guanylhydrazone) in yeast cells. Diala ES, et al. **J Gen Microbiol** 1980 Jul;119(1):35–40

Correspondent reaction of mitotic recombination in yeast and sister chromatid exchange in human lymphocytes. Fahrig R. **MGG** 1981;181(1):147–9

Flow microcalorimetric study of the effects of pH, metal ions and sterols on the interaction of polyene antibiotics with Saccharomyces cerevisiae NCYC239. Beezer AE, et al. **Microbios** 1980;28(112):107–21

Rat hepatic vinyl chloride metabolites induce gene conversion in the yeast strain D7RAD in vitro and in vivo. Eckardt F, et al. **Mutat Res** 1981 Jul-Sep;91(4-5):381–90

Comparison of petite induction in yeast by acridines, ethidium and their photoaffinity probes. Fukunaga M, et al. **Mutat Res** 1981 Jun;82(1):87–93

Effects of the antimicrotubular cancerostatic drug nocodazole on the yeast Saccharomyces cerevisiae. Künkel W. **Z Allg Mikrobiol** 1980;20(5):315–24

Effects of chloramphenicol on the thermal profile of Saccharomyces cerevisiae. Madeira-Lopes A, et al. **Z Allg Mikrobiol** 1981;21(1):53–5

[Effect of mycotoxins on the rate of fermentation in Saccharomyces cerevisiae] Lafont J, et al. **Mycopathologia** 1981 May 8;74(2):119–23 (Eng. Abstr.) **(Fre)**

[The influence of steroids on the antifungal and antibacterial activities of imidazole derivatives (author's transl)] Högl F, et al. **Mykosen** 1980 Aug;23(8):426–39 (Eng. Abstr.) **(Ger)**

[Biological effect of selected chemical air pollutant carcinogens on yeast cells] Obrikat H. **Z Gesamte Hyg** 1980 Mar 3;26(3):157–62 (Eng. Abstr.) **(Ger)**

[Effect of imidazole derivatives on various numbers of microbes to determine microbial sensitivity] Raab W, et al. **Z Hautkr** 1980 Sep 1;55(17):1116–22 (Eng. Abstr.) **(Ger)**

[Use of the D7 strain of S. cerevisiae in the determination of environmental risk. 1. Genetic effects of trichloroethylene] Bronzetti G, et al. **Boll Soc Ital Biol Sper** 1980 Jun 30;56(12):1315–21 (Eng. Abstr.) **(Ita)**

[Use of the D7 strain of S. cerevisiae in the determination of environmental genetic risk. 2. Genetic effects of procarbazine] Bronzetti G, et al. **Boll Soc Ital Biol Sper** 1980 Jun 30;56(12):1322–8 (Eng. Abstr.) **(Ita)**

[Study of induction of mitochondrial mutations in Saccharomyces cerevisiae yeasts following exposure to ethyl alcohol] Bandas EL, et al. **Genetika (Moskva)** 1980; 16(5):787–91 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Indications of pH-induced conformational changes in phosphofructokinase from baker's yeast. Johansson G, et al. **Acta Biol Med Ger** 1979;38(11-12):1639–41

Fractionation of yeast invertase isozymes and determination of enzymatic activity in sodium dodecyl sulfate-polyacrylamide gels. Babczinski P. **Anal Biochem** 1980 Jul 1;105(2):328–33

Permeabilization of yeast cells: application to study on the regulation of AMP deaminase activity in situ. Murakami K, et al. **Anal Biochem** 1980 Jul 1;105(2):407–13

Permeabilization of yeast for in situ determination of alpha-glucosidase. Oliveira DE, et al. **Anal Biochem** 1981 May 1;113(1):188–92

Rapid purification and crystallization of yeast phosphofructokinase. Welch P, et al. **Anal Biochem** 1981 Mar 15;112(1):154–7

Effect and mechanism of action of aphidicolin on yeast deoxyribonucleic acid polymerases. Plevani P, et al. **Antimicrob Agents Chemother** 1980 Jul;18(1):50–7

induction and derepression of arginase and ornithine transaminase in different strains of Saccharomyces cerevisiae. Middelhoven WJ, et al. **Antonie Van Leeuwenhoek** 1981;47(2):121–31

New proteolytic enzymes in yeast. Achstetter T, et al. **Arch Biochem Biophys** 1981 Apr 1;207(2):445–54

The interaction of nucleotides and yeast hexokinase. Dorgan LJ, et al. **Arch Biochem Biophys** 1981 Mar;207(1):165–74

Proteolytic inactivation of the NADP-dependent glutamate dehydrogenase in proteinase-deficient mutants of Saccharomyces cerevisiae. Hemmings BA, et al. **Arch Biochem Biophys** 1980 Jul;202(2):657–60

Transport and metabolism of N-delta-chloroacetyl-L-ornithine by Saccharomyces cerevisiae. Larimore FS, et al. **Arch Biochem Biophys** 1980 Oct 1;204(1):234–40

Primary structure of yeast cytochrome c peroxidase. I. Chemical characterization of the polypeptide chain and of tryptic and chymotryptic peptides. Takio K, et al. **Arch Biochem Biophys** 1980 Sep;203(2):605–14

Primary structure of yeast cytochrome c peroxidase. II. The complete amino acid sequence. Takio K, et al. **Arch Biochem Biophys** 1980 Sep;203(2):615–29

Concentration of metabolites and the regulation of phosphofructokinase and fructose-1,6-bisphosphatase in Saccharomyces cerevisiae. Foy JJ, et al. **Arch Microbiol** 1981 May;129(3):216–20

End-product tolerance and ethanol. Rose AH, et al. **Basic Life Sci** 1981;18:513–31

Monoclonal antibodies to yeast catalase T. Adolf GR, et al. **Biochem Biophys Res Commun** 1980 Jul 16;95(1):350–6

Assembly of succinic dehydrogenase complex into mitochondrial membrane in yeast. Ashraf J, et al. **Biochem Biophys Res Commun** 1980 Nov 17;97(1):263–9

Purification and evidence for heterogeneity of acid phosphatase from Saccharomyces cerevisiae. Barbarić S, et al. **Biochem Biophys Res Commun** 1980 Jul 16;95(1):404–9

Interaction of yeast arginyl-tRNA synthetase and aspartyl-tRNA synthetase with Blue-dextran Sepharose : assignment of the Blue-Dextran Binding site on the synthetases. Drocourt JL, et al. **Biochem Biophys Res Commun** 1980 Nov 28;97(2):787–93

Yeast mitochondrial and cytoplasmic valyl-tRNA synthetases. Felter S, et al. **Biochem Biophys Res Commun** 1981 Feb 12;98(3):727–34

Effect of 5-aminolevulinic acid synthesis deficiency on expression of other enzymes of heme pathway in yeast. Labbe-Bois R, et al. **Biochem Biophys Res Commun** 1980 Aug 14;95(3):1357–63

Interaction of the 'back' of yeast iso-1-cytochrome C with

yeast cytochrome C oxidase. Moreland RB, et al. **Biochem Biophys Res Commun** 1981 Mar 16;99(1):339–46

Novobiocin and nalidixic acid target proteins in yeast. Nakayama K, et al. **Biochem Biophys Res Commun** 1980 Sep 16;96(1):306–12

Similar binding site for P37 factor on yeast RNA polymerases A and B. Sawadogo M, et al. **Biochem Biophys Res Commun** 1980 Sep 16;96(1):258–64

On the inhibition of yeast RNA polymerases A and B by tRNA and alpha-amanitin. Sawadogo M. **Biochem Biophys Res Commun** 1981 Jan 15;98(1):261–7

Inhibition of red cell and yeast hexokinase by triethyltin bromide [(C2H5)3SnBr]. Siebenlist KR, et al. **Biochem Biophys Res Commun** 1980 Jul 31;95(2):758–64

An mRNA decapping enzyme from ribosomes of Saccharomyces cerevisiae. Stevens A. **Biochem Biophys Res Commun** 1980 Oct 16;96(3):1150–5

Glucose-dependent metabolic interconversion of fructose-1, 6-bisphosphatase in yeast. Tortora P, et al. **Biochem Biophys Res Commun** 1981 May 29;100(2):688–95

Coenzyme A: fatty acid synthetase apoenzyme 4'-phosphopantetheine transferase in yeast. Werkmeister K, et al. **Biochem Biophys Res Commun** 1980 Sep 16; 96(1):483–90

A rapid method for the isolation of ribonuclease from yeast (Saccharomyces carlsbergensis). Shetty JK, et al. **Biochem J** 1980 Aug 1;189(2):363–6

Studies on the mechanism of toxicity of metrizamide–competitive inhibition of yeast hexokinase. Bertoni JM, et al. **Biochem Pharmacol** 1981 May 15; 30(10):1137–8

Native-like dimer formed by the N-terminal cyanogen bromide fragment of yeast phosphoglycerate kinase. Adams B, et al. **Biochem Soc Trans** 1980 Dec;8(6):730

Active-site residues of saccharopine dehydrogenase (NAD+, lysine-forming) from baker's yeast. Fujioka M. **Biochem Soc Trans** 1981 Aug;9(4):281–2

Kinetic and chemical mechanisms of yeast formate dehydrogenase. Blanchard JS, et al. **Biochemistry** 1980 Jul 22;19(15):3543–50

Role of arginine residue in saccharopine dehydrogenase (L-lysine forming) from baker's yeast. Fujioka M, et al. **Biochemistry** 1981 Feb 3;20(3):468–72

Nucleoside 5'-[gamma-S]triphosphates will initiate transcription in isolated yeast nuclei. Ide GJ. **Biochemistry** 1981 Apr 28;20(9):2633–8

Effect of heavy water substitution for water on the tRNAVal-valyl-tRNA synthetase system from yeast. Kern D, et al. **Biochemistry** 1980 Jul 8;19(14):3158–64

Glycyl-tRNA synthetase from baker's yeast. Interconversion between active and inactive forms of the enzyme. Kern D, et al. **Biochemistry** 1981 Jan 6;20(1):122–31

Catalytic mechanism of valyl-tRNA synthetase from baker's yeast. Reaction pathway and rate-determining step in the aminoacylation of tRNAVal. Kern D, et al. **Biochemistry** 1981 Apr 14;20(8):2065–74

Inhibition of orotidine-5'-phosphate decarboxylase by 1-(5'-phospho-beta-d-ribofuranosyl)barbituric acid, 6-azauridine 5'-phosphate, and uridine 5'-phosphate. Levine HL, et al. **Biochemistry** 1980 Oct 28;19(22):4993–9

Phenol hydroxylase from yeast: a lysyl residue essential for binding of reduced nicotinamide adenine dinucleotide phosphate. Neujahr HY, et al. **Biochemistry** 1980 Oct 28; 19(22):4967–72

Yeast 3-phosphoglycerate kinase: sulfate and substrate binding, their effect on the conformational state of the enzyme. Roustan C, et al. **Biochemistry** 1980 Nov 11; 19(23):5168–75

Native deoxyribonucleic acid transcription by yeast RNA polymerase--P37 complex. Sawadogo M, et al. **Biochemistry** 1981 Jun 9;20(12):3542–7

Interaction of metal(III)-adenosine 5'-triphosphate complexes with yeast hexokinase. Viola RE, et al. **Biochemistry** 1980 Jul 8;19(14):3131–7

Kinetics of the reaction of cyclopropanone hydrate with yeast aldehyde dehydrogenase: a model for enzyme--substrate interaction. Wiseman JS, et al. **Biochemistry** 1980 Sep 2;19(18):4222–31

Involvement of cytochrome b5 and a cyanide-sensitive monooxygenase in the 4-demethylation of 4,4-dimethylzymosterol by yeast microsomes. Aoyama Y, et al. **Biochim Biophys Acta** 1981 Jan 26;663(1):194–202

Factors affecting the inhibition of yeast plasma membrane ATPase by vanadate. Borst-Pauwels GW, et al. **Biochim Biophys Acta** 1981 Mar 20;642(1):173–81

The interaction of yeast RNA polymerase I and Cibacron blue F3GA. Bull P, et al. **Biochim Biophys Acta** 1981 May 29;653(3):368–77

Effects of glucose and magnesium ion on the quenching of yeast hexokinase fluorescence by acrylamide. Feldman I, et al. **Biochim Biophys Acta** 1980 Sep 9;615(1):132–42

Interaction of proteinases and their inhibitors from yeast. Activation of carboxypeptidase Y. Fischer EP, et al. **Biochim Biophys Acta** 1980 Sep 9;615(1):187–98

The interaction of nucleotides with F1-ATPase inactivated with 4-chloro-7-nitrobenzofurazan. Gregory R, et al. **Biochim Biophys Acta** 1981 Apr 13;635(2):284–94

Hydrophobic photolabelling of the yeast cytochrome c oxidase subunits in contact with lipids. Gutweniger H, et al. **Biochim Biophys Acta** 1981 Mar 12;635(1):187–93

Purification and some properties of alanyl- and leucyl-tRNA synthetases from baker's yeast. Kern D, et al. **Biochim Biophys Acta** 1981 Mar 26;653(1):83–90

Identification of porphyrin present in apo-cytochrome C oxidase of copper-deficient yeast cells. Keyhani E, et al. **Biochim Biophys Acta** 1980 Dec 1;633(2):211–27

Alpha-glucosidase synthesis in yeast cells depleted of intramitochondrial ATP. Lesková Z, et al. **Biochim Biophys Acta** 1981 Feb 18;673(1):10–3

delta 1-Pyrroline-5-carboxylate reductase from Baker's yeast. Purification, properties and its application in the assays of L-delta 1-pyrroline-5-carboxylate and L-ornithine in tissue. Matsuzawa T, et al. **Biochim Biophys Acta** 1980 Jun 13;613(2):318–23

Delta 1-pyrroline-5-carboxylate reductase from baker's yeast: further purification by affinity chromatography with 5' AMP-Sepharose 4B. Matsuzawa T, et al. **Biochim Biophys Acta** 1980 Dec 4;616(2):381–3

Flow kinetics of yeast alcohol dehydrogenase attached to nylon tubing. Mazid MA, et al. **Biochim Biophys Acta** 1980 Aug 7;614(2):225–36

Temperature effects with immobilized yeast alcohol dehydrogenase in flow systems. Mazid MA, et al. **Biochim Biophys Acta** 1980 Aug 7;614(2):237–41

A particulate form of alkaline phosphatase in the yeast, Saccharomyces cerevisiae. Mitchell JK, et al. **Biochim Biophys Acta** 1981 Feb 13;657(2):482–94

Mitochondrially synthesized protein subunits of the yeast mitochondrial adenosine triphosphatase. A reassessment. Orian JM, et al. **Biochim Biophys Acta** 1981 Jan 29; 652(1):234–9

Asparaginase II of Saccharomyces cerevisiae: inactivation during the transition to stationary phase. Pauling KD, et al. **Biochim Biophys Acta** 1980 Dec 4;616(2):271–82

Classification of nucleotide binding sites on mitochondrial F1-ATPase from yeast. Recktenwald D, et al. **Biochim Biophys Acta** 1980 Oct 3;592(3):377–84

alpha-Isopropylmalate synthase from yeast. A zinc metalloenzyme. Roeder PR, et al. **Biochim Biophys Acta** 1980 Jun 13;613(2):482–7

Subunit specificity of the two acetyl-CoA synthetases of yeast as revealed by an immunological approach. Satyanarayana T, et al. **Biochim Biophys Acta** 1980 Aug 7;614(2):601–6

mit-Mutations in the structural gene of subunit III of cytochrome oxidase in Saccharomyces cerevisiae. Stephenson G, et al. **Biochim Biophys Acta** 1981 May 29; 653(3):416–22

Studies on the structure and conformation of yeast mitochondrial ATPase using aurovertin and methanol as probes. Stutterheim E, et al. **Biochim Biophys Acta** 1980 Oct 3;592(3):415–30

Subunit composition of mitochondrial F1-ATPase isolated from Saccharomyces carlsbergensis. Stutterheim E, et al. **Biochim Biophys Acta** 1981 Feb 12;634(2):271–8

The occurrence of two ribosomal ribonucleases depending on growth phase in yeast. Induction of ribonuclease in glucose-starved cells. Swida U, et al. **Biochim Biophys Acta** 1981 Jan 29;652(1):129–38

Role of cations in the regulation of baker's yeast AMP deaminase. Yoshino M, et al. **Biochim Biophys Acta** 1980 Nov 6;616(1):82–8

In situ studies on AMP deaminase as a control system of the adenylate energy charge in yeasts. Yoshino M, et al. **Biochim Biophys Acta** 1981 Jan 7;672(1):16–20

The effect of spermine on the interaction of AMP deaminase with threonine dehydratase activity in yeast. Yoshino M, et al. **Biochim Biophys Acta** 1981 Feb 5;672(3):313–6

Effect of 3-O-methyl-D-glucose on the production of glycosidases by Cryptococcus laurentii and Saccharomyces cerevisiae. Bhanot P, et al. **Can J Microbiol** 1980 Nov; 26(11):1289–95

Role of vesicles on the transport and secretion of exocellular enzymes by yeast. Herrero P, et al. **Cell Mol Biol** 1980; 26(5):485–92

Multiple forms of carboxylesterases in Baker's yeast. Parkkinen E. **Cell Mol Biol** 1980;26(2):147–54

Synthesis of Saccharomyces cerevisiae catalase A in vitro. Ammerer G, et al. **Eur J Biochem** 1981 Jan;113(2):327–31

Large-scale purification and some properties of malate synthase from baker's yeast. Durchschlag H, et al. **Eur J Biochem** 1981 Feb;114(2):255–62

Characterization of the flavoenzyme enoyl reductase of fatty acid synthetase from yeast. Fox JL, et al. **Eur J Biochem** 1980 Aug;109(2):417–24

Turnover of yeast fructose-bisphosphatase in different metabolic conditions. Funayama S, et al. **Eur J Biochem** 1980 Aug;109(1):61–6

Spontaneous dissociation of a cytochrome core and a biglobular flavoprotein after mild trypsinolysis of the bifunctional Saccharomyces cerevisiae flavocytochrome b2. Gervais M, et al. **Eur J Biochem** 1980 Oct;111(2):357–67

On the structure of fatty acid synthetase of yeast. Lynen F. **Eur J Biochem** 1980 Dec;112(3):431–42

Phosphorylated intermediate of the ATPase from the plasma membrane of yeast. Malpartida F, et al. **Eur J Biochem** 1981 May 15;116(2):413–7

Yeast mutants defective in acetyl-coenzyme A carboxylase and biotin: apocarboxylase ligase. Mishina M, et al. **Eur J Biochem** 1980 Oct;111(1):79–87

An endonuclease from yeast mitochondrial fractions. Morosoli R, et al. **Eur J Biochem** 1980 Sep;110(2):431–7

Two asparagine synthetases in Saccharomyces cerevisiae. Ramos F, et al. **Eur J Biochem** 1980 Jul;108(2):373–7

Inhibition studies in situ of yeast catalases. Sels AA, et al. **Eur J Biochem** 1980 Nov;112(2):283–91

N-Glycosylation of yeast proteins. Characterization of the solubilized oligosaccharyl transferase. Sharma CB, et al. **Eur J Biochem** 1981 May;116(1):101–8

Complementation in vitro between purified mutant fatty acid synthetase complexes of yeast. Werkmeister K, et al. **Eur J Biochem** 1981 May 15;116(2):303–9

Inactivation of yeast glucose-6-P dehydrogenase by aspirin. Han PF, et al. **Experientia** 1980 Oct 15;36(10):1149–50

Use of immobilized enzymatically active monomers of glyceraldehyde-3-phosphate dehydrogenase to investigate subunit cooperativity in the oligomeric enzyme. Asryants RA, et al. **FEBS Lett** 1980 Aug 25;118(1):141–4

The phosphorylation of yeast inorganic pyrophosphatase and formation of stoichiometric amounts of enzyme-bound pyrophosphate. Bakuleva NP, et al. **FEBS Lett** 1981 Feb 23;124(2):245–7

Phosphorylation and proteolysis regulate the NAD-dependent glutamate dehydrogenase from Saccharomyces cerevisiae. Hemmings BA. **FEBS Lett** 1980 Dec 29;122(2):297–302

A simple procedure to obtain yeast hexokinase free of glucosephosphate isomerase and mannosephosphate isomerase. Cabrera V, et al. **Folia Microbiol (Praha)** 1981; 26(2):107–11

Use of permeabilized yeast cells as a system of enzyme immobilization. Its use for the preparation of mannose 6-phosphate. Pascual C, et al. **Folia Microbiol (Praha)** 1981; 26(2):103–6

On the steady-state reaction mechanism of yeast seryl-tRNA synthetase. Pachmann U, et al. **Hoppe Seylers Z Physiol Chem** 1981 May;362(5):569–72

Subcellular compartmentation in control of converging pathways for proline and arginine metabolism in Saccharomyces cerevisiae. Brandriss MC, et al. **J Bacteriol** 1981 Mar;145(3):1359–64

Inhibition of sterol transmethylation by S-adenosylhomocysteine analogs. McCammon MT, et al. **J Bacteriol** 1981 Jan;145(1):106–12

The largest mitochondrial translation product copurifying with the mitochondrial adenosine triphosphatase of Saccharomyces cerevisiae is not a subunit of the enzyme complex. Orian JM, et al. **J Bacteriol** 1981 May; 146(2):813–5

Carboxypeptidase S- and carboxypeptidase Y-deficient mutants of Saccharomyces cerevisiae. Wolf DH, et al. **J Bacteriol** 1981 Aug;147(2):418–26

Low-molecular-weight O-acetylserine sulfhydrylase and serine sulfhydrylase of Saccharomyces cerevisiae are the same protein. Yamagata S. **J Bacteriol** 1981 Aug; 147(2):688–90

Occurrence of low molecular weight O-acetylserine sulfhydrylase in the yeast Saccharomyces cerevisiae. Yamagata S. **J Biochem (Tokyo)** 1980 Nov;88(5):1419–23

Partial characterization of the plasma membrane ATPase from a rho0 petite strain of Saccharomyces cerevisiae. McDonough JP, et al. **J Bioenerg Biomembr** 1980 Aug; 12(3-4):249–64

Crystallization of yeast triose phosphate isomerase from polyethylene glycol. Protein crystal formation following phase separation. Alber T, et al. **J Biol Chem** 1981 Feb 10;256(3):1356–61

RNA-dependent ATPase from Saccharomyces cerevisiae. Belhadj O, et al. **J Biol Chem** 1980 Dec 25;255(24):11704–9

Binding of arylazidocytochrome c to yeast cytochrome c peroxidase. Bisson R, et al. **J Biol Chem** 1981 May 10; 256(9):4362–7

Assembly of the mitochondrial membrane system. Structure and nucleotide sequence of the gene coding for subunit 1 of yeast cytochrme oxidase. Bonitz SG, et al. **J Biol Chem** 1980 Dec 25;255(24):11927–41

Immunological studies of yeast nuclear RNA polymerases at the subunit level. Buhler JM, et al. **J Biol Chem** 1980 Oct 25;255(20):9949–54

The amino acid sequence of yeast enolase. Chin CC, et al. **J Biol Chem** 1981 Feb 10;256(3):1377–84

The amino acid sequence of yeast enolase. Preparation and characterization of peptides produced by chemical and enzymatic fragmentation. Chin CC, et al. **J Biol Chem** 1981 Feb 10;256(3):1370–6

Structure of the metal.nucleotide complex in the yeast phenylalanyl transfer ribonucleic acid synthetase reaction as determined with diastereomeric phosphorothioate analogs of ATP. Connolly BA, et al. **J Biol Chem** 1980 Dec 10;255(23):11301–7

myo-Inositol-1-phosphate synthase. Characteristics of the enzyme and identification of its structural gene in yeast. Donahue TF, et al. **J Biol Chem** 1981 Jul 10; 256(13):7077–85

Transketolase kinetics. The slow reconstitution of the holoenzyme is due to rate-limiting dimerization of the subunits. Egan RM, et al. **J Biol Chem** 1981 May 25; 256(10):4877–83

Cloning of the yeast methionyl-tRNA synthetase gene. Fasiolo F, et al. **J Biol Chem** 1981 Mar 10;256(5):2324–8

Binding of citreoviridin to the beta subunit of the yeast F1-ATPase. Gause EM, et al. **J Biol Chem** 1981 Jan 25; 256(2):557–9

Further analysis of the polypeptide subunits of yeast cytochrome c oxidase. Isolation and characterization of subunits III, V, and VII. George-Nascimento C, et al.

J Biol Chem 1981 Sep 10;256(17):9363–70

Inactivation of hydroxymethylglutaryl–CoA reductase from yeast by coenzyme A disulfide. Gilbert HF, et al. **J Biol Chem** 1981 Feb 25;256(4):1782–5

Inactivation of yeast alpha–isopropylmalate synthase by CoA. Antagonism between CoA and adenylates and the mechanism of CoA inactivation. Hampsey DM, et al. **J Biol Chem** 1981 Apr 25;256(8):3791–6

Isolation and characterization of the yeast 3–phosphoglycerokinase gene (PGK) by an immunological screening technique. Hitzeman RA, et al. **J Biol Chem** 1980 Dec 25;255(24):12073–80

The primary structures of two yeast enolase genes. Homology between the 5' noncoding flanking regions of yeast enolase and glyceraldehyde–3–phosphate dehydrogenase genes. Holland MJ, et al. **J Biol Chem** 1981 Feb 10;256(3):1385–95

Partial purification from Saccharomyces cerevisiae of a soluble glucosidase which removes the terminal glucose from the oligosaccharide Glc3Man9GlcNAc2. Kilker RD Jr, et al. **J Biol Chem** 1981 May 25;256(10):5299–603

Purification of mitochondrial RNA polymerase from Saccharomyces cerevisiae. Levens D, et al. **J Biol Chem** 1981 Feb 10;256(3):1474–81

Affinity labeling of the active site of yeast pyruvate kinase by 5'–p–fluorosulfonylbenzoyl adenosine. Likos JJ, et al. **J Biol Chem** 1980 Oct 10;255(19):9388–98

The pH and temperature dependence of the activity of the high Km cyclic nucleotide phosphodiesterase of bakers' yeast. Londesborough J, et al. **J Biol Chem** 1980 Oct 10; 255(19):9262–7

Reconstitution of the proton–translocating adenosine triphosphatase of yeast plasma membranes. Malpartida F, et al. **J Biol Chem** 1981 May 10;256(9):4175–7

Immunochemical studies on catabolite inactivation of phosphoenolpyruvate carboxykinase in Saccharomyces cerevisiae. Müller M, et al. **J Biol Chem** 1981 Jan 25; 256(2):723–7

The effect of delta–aminolevulinate on catalase T–messenger RNA levels in delta–aminolevulinate synthase–defective mutants of Saccharomyces cerevisiae. Richter K, et al. **J Biol Chem** 1980 Sep 10;255(17):8019–22

Purification and immunological properties of proton–ATPase complexes from yeast and rat liver mitochondria. Rott R, et al. **J Biol Chem** 1981 Sep 10;256(17):9224–8

The yeast fatty acid synthetase. Structure–function relationship and the role of the active cysteine–SH and pantetheine–SH. Stoops JK, et al. **J Biol Chem** 1981 Aug 25;256(16):8364–70

Sulfhydryl groups of yeast phosphofructokinase–specific localization on beta subunits of fructose 6–phosphate binding sites as demonstrated by a differential chemical labeling study. Tijane MN, et al. **J Biol Chem** 1980 Nov 10;255(21):10188–93

Localization of unassembled subunits of the mitochondrial ATPase in an assembly–defective yeast nuclear mutant. Todd RD, et al. **J Biol Chem** 1981 Sep 10;256(17):9037–43

Structure of the yeast mitochondrial adenosine triphosphatase. Results of trypsin degradation. Todd RD, et al. **J Biol Chem** 1981 Jul 10;256(13):6990–4

A model for the structure of the yeast mitochondrial adenosine triphosphatase complex. Todd RD, et al. **J Biol Chem** 1981 Jul 10;256(13):6984–9

Formation of a cytochrome c–like species from horse apoprotein and hemin catalyzed by yeast mitochondrial cytochrome c synthetase. Veloso D, et al. **J Biol Chem** 1981 Aug 25;256(16):8646–51

Studies of the role of catalytic and conformational metals in producing enzymatic activity in yeast enolase. Brewer JM, et al. **J Inorg Biochem** 1980 Oct;13(2):151–64

Binding of terbium (III) to yeast enolase. Brewer JM, et al. **J Inorg Biochem** 1981 Feb;14(1):33–44

EPR of Cu+2 binding to apo–yeast enolase. Dickinson LC, et al. **J Inorg Biochem** 1980 Dec;13(4):353–66

Binding of inhibitory metals to yeast enolase. Elliott JI, et al. **J Inorg Biochem** 1980 Jul;12(4):323–34

Studies on the biogenesis of an enzymatically active complex III of the respiratory chain from yeast mitochondria. Beattie DS, et al. **J Supramol Struct** 1980;14(2):139–48

The two methionine adenosyl transferases in Saccharomyces cerevisiae: evidence for the existence of dimeric enzymes. Cherest H, et al. **MGG** 1981;182(1):65–9

Yeast viral RNA polymerase is a transcriptase. Bruenn J, et al. **Nucleic Acids Res** 1980 Jul 11;8(13):2985–97

Efficient and selective initiation by yeast RNA polymerase B in a dinucleotide–primed reaction. Lescure B, et al. **Nucleic Acids Res** 1981 Jan 10;9(1):31–45

Post–transcriptional modification of the poly(A) length of galactose–1–phosphate uridyl transferase mRNA in Saccharomyces cerevisiae. Saunders CA, et al. **Nucleic Acids Res** 1980 Sep 11;8(17):3841–9

On the three–dimensional structure and catalytic mechanism of triose phosphate isomerase. Alber T, et al. **Philos Trans R Soc Lond [Biol]** 1981 Jun 26; 293(1063):159–71 (32 ref.)

Structural dynamics of yeast hexokinase during catalysis. Steitz TA, et al. **Philos Trans R Soc Lond [Biol]** 1981 Jun 26;293(1063):43–52 (17 ref.)

Alternate procedure for the preparation of the coenzyme A–synthesizing protein complex of Bakers' yeast. Tarnowski SJ, et al. **Prep Biochem** 1980;10(3):331–45

Conformational activation of the yeast phenylalanyl–tRNA synthetase catalytic site induced by tRNAPhe interaction: triggering of adenosine or CpCpA trinucleoside diphosphate aminoacylation upon binding of tRNAPhe lacking these residues. Renaud M, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1606–8

Yeast fatty acid synthetase: structure–function relationship and nature of the beta–ketoacyl synthetase site. Stoops JK, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4544–8

Nalidixic acid, oxolinic acid, and novobiocin inhibit yeast glycyl– and leucyl–transfer RNA synthetases. Wright HT, et al. **Science** 1981 Jul 24;213(4506):455–6

[Interactions of yeast hexokinase with ATP and AMP 4–(N–2–chloroethyl–N–methylamino)benzylamidates] Buneva VN, et al. **Biokhimiia** 1980 Jun;45(6):1004–9 (Eng. Abstr.) **(Rus)**

[Isolation and properties of maltase from Saccharomyces cerevisiae–II] Glemzha AA, et al. **Biokhimiia** 1981 Mar; 46(3):444–52 (Eng. Abstr.) **(Rus)**

[Affinity labeling of inorganic pyrophosphatase from yeast by methylphosphate] Lagutina IO, et al. **Biokhimiia** 1980 Sep;45(9):1568–75 (Eng. Abstr.) **(Rus)**

[Purification and characterization of beta–fructofuranosidase from yeast Saccharomyces cerevisiae] Matulaitite EIu, et al. **Prikl Biokhim Mikrobiol** 1980 Jul–Aug;16(4):528–37 (Eng. Abstr.) **(Rus)**

[Preparation and charaterization of aminopolysterol immobilized invertase] Pauliukonis AB, et al. **Prikl Biokhim Mikrobiol** 1980 May–Jun;16(3):383–7 (Eng. Abstr.) **(Rus)**

GENETICS

Mutants of Saccharomyces cerevisiae and Candida utilis with increased susceptibility to digestive enzymes. Mehta RD, et al. **Appl Environ Microbiol** 1981 Apr;41(4):992–9

The biochemical genetics of glycolysis in microbes. Fraenkel DG. **Basic Life Sci** 1981;18:201–15

Mechanisms of yeast genetics. Greer H. **Basic Life Sci** 1981; 18:217–42

Genetic and physiological factors affecting repair and mutagenesis in yeast. Lemontt JF. **Basic Life Sci** 1980; 15:85–120 (179 ref.)

Genetic analysis of error–prone repair systems in Saccharomyces cerevisiae. Prakash L, et al. **Basic Life Sci** 1980;15:141–58

DNA repair and mutagen interaction in Saccharomyces: theoretical considerations. von Borstel RC, et al. **Basic Life Sci** 1980;15:159–67

Pure and mosaic clones--a reflection of differences in mechanisms of mutagenesis by different agents in Saccharomyces cerevisiae. Nasim A, et al. **Can J Genet Cytol** 1981;23(1):73–9

Genetic events associated with an insertion mutation in yeast. Chaleff DT, et al. **Cell** 1980 Aug;21(1):227–37

Orphons: dispersed genetic elements derived from tandem repetitive genes of eucaryotes. Childs G, et al. **Cell** 1981 Mar;23(3):651–63

Mating signals control expression of mutations resulting from insertion of a transposable repetitive element adjacent to diverse yeast genes. Errede B, et al. **Cell** 1980 Nov;22(2 Pt 2):427–36

Homothallic conversions of yeast mating–type genes occur by intrachromosomal recombination. Haber JE, et al. **Cell** 1980 Nov;22(1 Pt 1):277–89

Cell–cycle regulation of yeast histone mRNA. Hereford LM, et al. **Cell** 1981 May;24(2):367–75

Evidence for a physical interaction between the transposed and the substituted sequences during mating type gene transposition in yeast. Klar AJ, et al. **Cell** 1980 Nov;22(1 Pt 1):291–8

Mutations of the yeast SUP4 tRNATyr locus: transcription of the mutant genes in vitro. Koski RA, et al. **Cell** 1980 Nov;22(2 Pt 2):415–25

Mutations at the yeast SUP4 tRNATyr locus: DNA sequence changes in mutants lacking suppressor activity. Kurjan J, et al. **Cell** 1980 Jul;20(3):701–9

Sequence of introns and flanking exons in wild–type and box3 mutants of cytochrome b reveals an interlaced splicing protein coded by an intron. Lazowska J, et al. **Cell** 1980 Nov;22(2 Pt 2):333–48

Identification of 23 complementation groups required for post–translational events in the yeast secretory pathway. Novick P, et al. **Cell** 1980 Aug;21(1):205–15

Yeast histone genes show dosage compensation. Osley MA, et al. **Cell** 1981 May;24(2):377–84

DNA rearrangements associated with a transposable element in yeast. Roeder GS, et al. **Cell** 1980 Aug;21(1):239–49

Histone H2B genes of yeast encode two different proteins. Wallis JW, et al. **Cell** 1980 Dec;22(3):799–805

Plasmids controlled exclusion of the K2 killer double–stranded RNA plasmid of yeast. Wickner RB. **Cell** 1980 Aug;21(1):217–26

Transposable elements associated with constitutive expression of yeast alcohol dehydrogenase II. Williamson VM, et al. **Cell** 1981 Feb;23(2):605–14

Folded chromosomes of Saccharomyces cerevisiae: comparison of response to sporulation medium, arrest at start, and G0 arrest. Piñon R, et al. **Chromosoma** 1980; 81(3):379–91

SUC genes of yeast: a dispersed gene family. Carlson M, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 2:799–803

Characterization of the yeast mobile element Ty1. Eibel H, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 2:609–17

Studies on the transposable element Ty1 of yeast. I. RNA homologous to Ty1. II. Recombination and expression of Ty1 and adjacent sequences. Elder RT, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 2:581–91

Studies on transposable elements in yeast. I. ROAM mutations causing increased expression of yeast genes: their activation by signals directed toward conjugation functions and their formation by insertion of Ty1 repetitive elements. II. deletions, duplications, and transpositions of the COR segment that encompasses the structural gene of yeast iso–1–cytochrome c. Errede B, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 2:593–607

Transposable elements (Ty) in yeast. Fink G, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 2:575–80

Transposable elements involving the his4 region of yeast. Greer H, et al. **Cold Spring Harbor Symp Quant Biol** 1980; 45 Pt 2:567–74

Chromosomal rearrangements accompanying yeast mating–type switching: evidence for a gene–conversion model. Haber JE, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 2:991–1002

Irregular transpositions of mating–type genes in yeast. Klar AJ, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 2:983–90

Physical analysis of mating–type loci in Saccharomyces cerevisiae. Nasmyth KA, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 2:961–81

Pattern of switching and fate of the replaced cassette in yeast mating–type interconversion. Rine J, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 2:951–60

Mutagenicity of cross–links and monoadducts of furocoumarins (psoralen and angelicin) induced by 360–nm radiation in excision–repair–defective and radiation–insensitive strains of Saccharomyces cerevisiae. Grant EL, et al. **Environ Mutagen** 1979;1(1):55–63

Genetic effects of PR toxin in eukaryotic microorganisms. Wei R, et al. **Environ Mutagen** 1979;1(1):45–53

Membrane mutants: a yeast mutant with a lesion in phosphatidylserine biosynthesis. Kováč L, et al. **Eur J Biochem** 1980 Oct;111(2):491–501

Mitochondrial DNA synthesis in synchronous cultures of the yeast, Saccharomyces cerevisiae. Cottrell SF. **Exp Cell Res** 1981 Mar;132(1):89–98

Two genes for mitochondrial tyrosine transfer RNA in yeast. Localization and expression. Wesolowski M, et al. **FEBS Lett** 1981 Mar 23;125(2):180–2

Transcriptional and translational expression of a chimeric bacterial–yeast plasmid in yeasts. Chevallier MR, et al. **Gene** 1980 Oct;11(1–2):11–9

Expression of a foreign eukaryotic gene in Saccharomyces cerevisiae: beta–galactosidase from Kluyveromyces lactis. Dickson RC. **Gene** 1980 Sep;10(4):347–56

3 micron DNA – an extrachromosomal ribosomal DNA in the yeast Saccharomyces cerevisiae. Larionov VL, et al. **Gene** 1980 Dec;12(1–2):41–9

Synthesis of a chicken ovalbumin–like protein in the yeast Saccharomyces cerevisiae. Mercereau–Puijalon O, et al. **Gene** 1980 Oct;11(1–2):163–7

Reversion analysis of [psi–] mutations in Saccharomyces cerevisiae. Lund PM, et al. **Genet Res** 1981 Apr; 37(2):173–82

IMP1/imp1: a gene involved in the nucleo–mitochondrial control of galactose fermentation in Saccharomyces cerevisiae. Algeri AA, et al. **Genetics** 1981 Jan;97(1):27–44

Association of disomic chromosome loss with EMS–induced conversion in yeast. Campbell D. **Genetics** 1980 Nov; 96(3):613–25

Small–sized mutants of Saccharomyces cerevisiae. Carter BL, et al. **Genetics** 1980 Nov;96(3):561–6

The effects of three PSO genes on induced mutagenesis : a novel class of mutationally defective yeast. Cassier C, et al. **Genetics** 1980 Dec;96(4):841–57

Assembly of the mitochondrial membrane system: nuclear suppression of a cytochrome b mutation in yeast mitochondrial DNA. Coruzzi G, et al. **Genetics** 1980 Aug; 95(4):891–903

Reversion from suppression to nonsuppression in SUQ5 [psi+] strains of yeast: the classificaion of mutations. Cox BS, et al. **Genetics** 1980 Jul;95(3):589–609

Frameshift suppression Saccharomyces cerevisiae. II. Genetic properties of group II suppressors. Culbertson MR, et al. **Genetics** 1980 Aug;95(4):833–53

Frameshift suppression in Saccharomyces cerevisiae. III. Isolation and genetic properties of group III suppressors. Cummins CM, et al. **Genetics** 1980 Aug;95(4):855–79

Heteroduplex repair as an intermediate step of UV mutagenesis in yeast. Eckardt F, et al. **Genetics** 1980 May; 95(1):63–80

Functional equivalence and co–dominance of homothallic genes HM alpha/hm alpha and HMa/hma in Saccharomyces yeasts. Harashima S, et al. **Genetics** 1980 Aug;95(4):819–31

Isolation and characterization of pso mutants sensitive to photo–addition of psoralen derivatives in Saccharomyces cerevisiae. Henriques JA, et al. **Genetics** 1980 Jun; 95(2):273–88

Recombination and chromosome segregation during the single division meiosis in SPO12–1 and SPO13–1 diploids. Klapholz S, et al. **Genetics** 1980 Nov;96(3):589–611

Isolation of SPO12–1 and SPO13–1 from a natural variant

of yeast that undergoes a single meiotic division. Klapholz S, et al. **Genetics** 1980 Nov;96(3):567–88

Precise mapping of the homothallism genes HML and HMR in Saccharomyces cerevisiae. Klar AJ, et al. **Genetics** 1980 Oct;96(2):315–20

Interconversion of yeast cell types by transposable genes. Klar AJ. **Genetics** 1980 Jul;95(3):631–48

An antisuppressor that acts on omnipotent suppressors in yeast. Liebman SW, et al. **Genetics** 1980 May;95(1):49–61

Mitotic recombination in yeast: isolation and characterization of mutants with enhanced spontaneous mitotic gene conversion rates. Maloney DH, et al. **Genetics** 1980 Apr; 94(4):825–39

Duplicated genes producing transposable controlling elements for the mating-type differentiation in Saccharomyces cerevisiae. Oshima T, et al. **Genetics** 1980 Apr;94(4):859–70

The origin of spontaneous mutation in Saccharomyces cerevisiae. Quah SK, et al. **Genetics** 1980 Dec;96(4):819–39

The selection of amber mutations in genes required for completion of start, the controlling event of the cell division cycle of S. cerevisiae. Reed SI. **Genetics** 1980 Jul; 95(3):579–88

The selection of S. cerevisiae mutants defective in the start event of cell division. Reed SI. **Genetics** 1980 Jul; 95(3):561–77

Genes affecting the expression of cytochrome c in yeast: genetic mapping and genetic interactions. Rothstein RJ, et al. **Genetics** 1980 Apr;94(4):871–89

Dependence on mating type for the overproduction of iso-2-cytochrome c in the yeast mutant CYC7-H2. Rothstein RJ, et al. **Genetics** 1980 Apr;94(4):891–8

Diploid spore formation and other meiotic effects of two cell-division-cycle mutations of Saccharomyces cerevisiae. Schild D, et al. **Genetics** 1980 Dec;96(4):859–76

Intracellular population genetics: evidence for random drift of mitochondrial allele frequencies in Saccharomyces cerevisiae and Schizosaccharomyces pombe. Thrailkill KM, et al. **Genetics** 1980 Sep;96(1):237–62

Ultraviolet mutagenesis studies of [psi], a cytoplasmic determinant of Saccharomyces cerevisiae. Tuite MF, et al. **Genetics** 1980 Jul;95(3):611–30

Mapping of the proteinase b structural gene PRB1, in Saccharomyces cerevisiae and identification of nonsense alleles within the locus. Zubenko GS, et al. **Genetics** 1980 Sep;96(1):137–46

Induction of mitotic crossing over, mitotic gene conversion & reverse mutation by epichlorhydrin in Saccharomyces cerevisiae. Vashishat RK, et al. **Indian J Exp Biol** 1980 Nov;18(11):1337–8

Cloning of the URA1 gene of Saccharomyces cerevisiae. Guerry-Kopecko P, et al. **J Bacteriol** 1980 Sep; 143(3):1530–3

Isolation and characterization of temperature-sensitive mak mutants of Saccharomyces cerevisiae. Guerry-Kopecko P, et al. **J Bacteriol** 1980 Dec;144(3):1113–8

Intergeneric transfer of deoxyribonucleic acid killer plasmids, pGKl1 and pGKl2, from Kluyveromyces lactis into Saccharomyces cerevisiae by cell fusion. Gunge N, et al. **J Bacteriol** 1981 Jul;147(1):155–60

Transposed LEU2 gene of Saccharomyces cerevisiae is regulated normally. Kohlhaw GB, et al. **J Bacteriol** 1980 Nov;144(2):852–5

Isolation and properties of an antisuppressor in Saccharomyces cerevisiae specific for an omnipotent suppressor. Liebman SW, et al. **J Bacteriol** 1980 Sep; 143(3):1527–9

Alterations in translatable ribonucleic acid after heat shock of Saccharomyces cerevisiae. McAlister L, et al. **J Bacteriol** 1980 Aug;143(2):603–12

a/alpha-specific effect on the mms3 mutation on ultraviolet mutagenesis in Saccharomyces cerevisiae. Martin P, et al. **J Bacteriol** 1981 May;146(2):684–91

Spontaneous mitotic recombination in mms8-1, an allele of the CDC9 gene of Saccharomyces cerevisiae. Montelone BA, et al. **J Bacteriol** 1981 Aug;147(2):517–25

Postreplication repair in Saccharomyces cerevisiae. Resnick MA, et al. **J Bacteriol** 1981 Apr;146(1):285–90

Molecular mechanisms of pyrimidine dimer excision in Saccharomyces cerevisiae: incision of ultraviolet-irradiated deoxyribonucleic acid in vivo. Reynolds RJ, et al. **J Bacteriol** 1981 May;146(2):692–704

Genetic analysis of Saccharomyces cerevisiae transformed by plasmid containing a supressor transfer ribonucleic acid gene. Thomas DY, et al. **J Bacteriol** 1980 Sep; 143(3):1179–86

Structure and function of the PHO82-pho4 locus controlling the synthesis of repressible acid phosphatase of Saccharomyces cerevisiae. Toh-e A, et al. **J Bacteriol** 1981 Jan;145(1):221–32

Curing of the 2 mu DNA plasmid from Saccharomyces cerevisiae. Toh-e A, et al. **J Bacteriol** 1981 Mar; 145(3):1421–4

Expression of the 'split gene' COB in yeast mtDNA. Translation of intervening sequences in mutant strains. Bechmann H, et al. **J Biol Chem** 1981 Apr 10; 256(7):3525–31

Assembly of the mitochondrial membrane system. Physical map of the Oxi3 locus of yeast mitochondrial DNA. Bonitz SG, et al. **J Biol Chem** 1980 Dec 25;255(24):11922–6

Trans action and the var1 determinant region on yeast mitochondrial DNA. Specific labeling of mitochondrial translation products in zygotes. Lopez IC, et al. **J Biol Chem** 1981 Jun 25;256(12):6496–501

Isolation and structure of a rat cytochrome c gene. Scarpulla RC, et al. **J Biol Chem** 1981 Jun 25;256(12):6480–6

An homologous in vitro assay for yeast nonsense suppressors. Tuite MF, et al. **J Biol Chem** 1981 Jul 25;256(14):7298–304

A cis-dominant regulatory mutation linked to the argB-argC gene cluster in Saccharomyces cerevisiae. Jacobs P, et al. **J Mol Biol** 1980 Jun 5;139(4):691–704

Organization of the ribosomal RNA gene cluster in the yeast Saccharomyces cerevisiae. Kaback DB, et al. **J Mol Biol** 1980 Apr 25;138(4):745–54

Sequence variation in dispersed repetitive sequences in Saccharomyces cerevisiae. Kingsman AJ, et al. **J Mol Biol** 1981 Feb 5;145(4):619–32

Replication of double-stranded RNA of the virus-like particles in Saccharomyces cerevisiae. Newman AM, et al. **J Virol** 1981 Apr;38(1):263–71

Induction and genetics of two alpha-galactosidase activities in Saccharomyces cerevisiae. Buckholz RG, et al. **MGG** 1981;182(1):77–81

Analysis of mutations affecting Ty-mediated gene expression in Saccharomyces cerevisiae. Ciriacy M, et al. **MGG** 1981; 182(1):159–63

Long range control circuits within mitochondria and between nucleus and mitochondria. I. Methodology and phenomenology of suppressors. Dujardin G, et al. **MGG** 1980;179(3):469–82

A defect in carbon catabolite repression associated with uncontrollable and excessive maltose uptake. Entian KD. **MGG** 1980;179(1):169–75

UV-induced mitotic recombination and its dependence on photoreactivation and liquid holding in the rad6-1 mutant of Saccharomyces cerevisiae. Haladus E, et al. **MGG** 1980; 180(3):591–6

Petite-negative mutants of Saccharomyces cerevisiae. Lancashire WE, et al. **MGG** 1981;181(3):409–10

Mapping of a centromere-linked gene responsible for constitutive acid phosphatase synthesis in yeast. Lange P, et al. **MGG** 1980;180(3):605–7

The RAD52 gene is not required for the function of the DEL1 mutator gene in Saccharomyces cerevisiae. Liebman SW, et al. **MGG** 1980;179(3):703–5

The effect of amino acid starvation on a major, acid soluble compound on Saccharomyces cerevisiae. Lusby EW Jr, et al. **MGG** 1980;179(3):699–701

The isolation of nonsense mutations in cell division cycle genes of the yeast Saccharomyces cerevisiae. Rai R, et al. **MGG** 1981;181(4):556–8

The trans action of HMRa in mating type interconversion. Rine J, et al. **MGG** 1980;180(1):99–105

Isolation of yeast mutants sensitive to the bifunctional alkylating agent nitrogen mustard. Ruhland A, et al. **MGG** 1981;181(3):346–51

Meiotic mapping of the nuclear determinant of cell lysis of the osmotic dependent Saccharomyces cerevisiae mutant VY1160 . Stateva L, et al. **MGG** 1981;181(3):414–5

Localization of mucidin-resistant locus muc3 on mitochondrial DNA with respect to ubiquinol-cytochrome c reductase deficient box loci. Locus muc3 is allelic to box2. Takácsová G, et al. **MGG** 1980;179(1):141–6

Relation between liquid-holding recovery, DNA repair, and mitotic recombination in the rad3 mutant of Saccharomyces cerevisiae after treatment with diepoxybutane (DEB). Zuk J, et al. **MGG** 1980;180(3):597–603

Genetic map of Saccharomyces cerevisiae. Mortimer RK, et al. **Microbiol Rev** 1980 Dec;44(4):519–71

Light-flash analysis of the photoenzymic repair process in yeast cells. II. Determination of the rate constant for formation of photoreactivating enzymes-pyrimidine dimer complexes and its activation energy term. Fukui A, et al. **Mutat Res** 1981 Mar;81(1):27–36

Induction of petite 'mutants' in an ethidium-resistant strain of Saccharomyces cerevisiae by photoaffinity labeling. Distinction between early and late steps. Fukunaga M, et al. **Mutat Res** 1981 Jan;80(1):91–7

Yeast mitochondrial DNA characterization after ultraviolet irradiation. Hixon SC, et al. **Mutat Res** 1980 Dec; 73(2):267–77

A simple, rapid plate assay for mitotic recombination. Kunz BA, et al. **Mutat Res** 1980 Nov;73(1):215–20

Hycanthone as a specific frameshift mutagen in Saccharomyces cerevisiae. Lucchini G, et al. **Mutat Res** 1980 Aug;72(3):397–404

Induction of spontaneous and UV-induced mutations during commitment to meiosis in Saccharomyces cerevisiae. Machida I, et al. **Mutat Res** 1980 Nov;73(1):59–68

Differential effect of UV irradiation on induction of intragenic and intergenic recombination during commitment to meiosis in Saccharomyces cerevisiae. Machida I, et al. **Mutat Res** 1980 Nov;73(1):69–79

Extreme chemical mutagen sensitivity of respiratory adaptation in yeast. Pasupathy K, et al. **Mutat Res** 1981 Jan;80(1):65–74

Rbe of densely ionizing radiation for wild-type and radiosensitive mutants of yeast. Petin VG, et al. **Mutat Res** 1981 Jul;82(2):285–94

Use of the polyene antibiotic N-glycosyl-polifungin in counterselecting yeast mutants. Polaina J, et al. **Mutat Res** 1981 Mar;91(2):111–4

Genetic control of diploid recovery after gamma-irradiation in the yeast Saccharomyces cerevisiae. Saeki T, et al. **Mutat Res** 1980 Dec;73(2):251–65

Comparison of mutagenic and recombinogenic effects of some adenine analogues in Saccharomyces cerevisiae D7. Sorenson WG, et al. **Mutat Res** 1981 Jun;82(1):95–100

Isolation of a yeast centromere and construction of functional small circular chromosomes. Clarke L, et al. **Nature** 1980 Oct 9;287(5782):504–9

Yeast genetics and molecular biology [news] Cooper TG. **Nature** 1981 Jan 15;289(5794):119–20

Leaky +1 and -1 frameshift mutations at the same site in a yeast mitochondrial gene. Fox TD, et al. **Nature** 1980 Nov 6;288(5786):60–3

Nucleotide sequence of the yeast plasmid. Hartley JL, et al. **Nature** 1980 Aug 28;286(5776):860–5

Isolation of a gene from Drosophila by complementation in yeast. Henikoff S, et al. **Nature** 1981 Jan 1;289(5793):33–7

Gene conversion between duplicated genetic elements in yeast. Jackson JA, et al. **Nature** 1981 Jul 23; 292(5821):306–11

Expression of a transposable antibiotic resistance element in Saccharomyces. Jimenez A, et al. **Nature** 1980 Oct 30; 287(5785):869–71

Regulation of transcription in expressed and unexpressed mating type cassettes of yeast. Klar AJ, et al. **Nature** 1981 Jan 22;289(5795):239–44

Intrachromosomal gene conversion in yeast. Klein HL, et al. **Nature** 1981 Jan 15;289(5794):144–8

A position effect in the control of transcription at yeast mating type loci. Nasmyth KA, et al. **Nature** 1981 Jan 22; 289(5795):244–50

Only one of two closely related yeast suppressor tRNA genes contains an intervening sequence. Olson MV, et al. **Nature** 1981 Jun 11;291(5815):464–9

Dimeric tRNA precursors in yeast. Schmidt O, et al. **Nature** 1980 Oct 23;287(5784):750–2

Homology and non-homology at the yeast mating type locus. Sprague GF Jr, et al. **Nature** 1981 Jan 22;289(5795):250–2

Genes which control cell proliferation in the yeast Saccharomyces cerevisiae. Sudbery PE, et al. **Nature** 1980 Nov 27;288(5789):401–4

The structure of the yeast ribosomal RNA genes. 3. Precise mapping of the 18 S and 25 S rRNA genes and structure of the adjacent regions. Bayev A, et al. **Nucleic Acids Res** 1981 Feb 25;9(4):789–99

The structure of the yeast ribosomal RNA genes. 2. The nucleotide sequence of the initiation site for ribosomal RNA transcription. Bayev AA, et al. **Nucleic Acids Res** 1980 Nov 11;8(21):4919–26

Transfer RNA genes in the cap-oxil region of yeast mitochondrial DNA. Berlani RE, et al. **Nucleic Acids Res** 1980 Nov 11;8(21):5017–30

Hybridizable sequences between cytoplasmic ribosomal RNAs and 3 micron circular DNAs of Saccharomyces cerevisiae and Torulopsis glabrata. Clark-Walker GD, et al. **Nucleic Acids Res** 1980 Mar 11;8(5):1009–22

Sequence of 863 nucleotides encompassing the PstI site of the yeast 2 micron plasmid. Elleman TC, et al. **Nucleic Acids Res** 1980 Nov 11;8(21):4841–50

Yeast histone mRNA is polyadenylated. Fahrner K, et al. **Nucleic Acids Res** 1980 Dec 11;8(23):5725–37

Molecular cloning of the actin gene from yeast Saccharomyces cerevisiae. Gallwitz D, et al. **Nucleic Acids Res** 1980 Mar 11;8(5):1043–59

Nucleotide sequence of the mitochondrial genes coding for tRNAglyGGR and tRNAvalGUR. Miller DL, et al. **Nucleic Acids Res** 1980 Mar 25;8(6):1435–42

Characterization of tRNA genes in tRNA region II of yeast mitochondrial DNA. Newman D, et al. **Nucleic Acids Res** 1980 Nov 11;8(21):5007–16

Structure of a yeast non-initiating methionine-tRNA gene. Olah J, et al. **Nucleic Acids Res** 1980 May 10;8(9):1975–86

A putative precursor for the small ribosomal RNA from mitochondria of Saccharomyces cerevisiae. Osinga KA, et al. **Nucleic Acids Res** 1981 Mar 25;9(6):1351–64

Characterization of the yeast tRNA Ser genomic organization and DNA sequence. Page GS, et al. **Nucleic Acids Res** 1981 Feb 25;9(4):921–34

The structure of the yeast ribosomal RNA genes. I. The complete nucleotide sequence of the 18S ribosomal RNA gene from Saccharomyces cerevisiae. Rubtsov PM, et al. **Nucleic Acids Res** 1980 Dec 11;8(23):5779–94

Saccharomyces cerevisiae plasmid, Scp or 2 mum: intracellular distribution, stability and nucleosomal-like packaging. Seligy VL, et al. **Nucleic Acids Res** 1980 Aug 11;8(15):3371–91

Transcription of killer virion double-stranded RNA in vitro. Welsh D, et al. **Nucleic Acids Res** 1980 Jun 11; 8(11):2365–75

Virion DNA-independent RNA polymerase from Saccharomyces cerevisiae. Welsh JD, et al. **Nucleic Acids Res** 1980 Jun 11;8(11):2349–63

Early vegetative segregation of mitochondrial genes in Saccharomyces cerevisiae. Treat LG, et al. **Plasmid** 1980 Nov;4(3):261–75

Replicator regions of the yeast mitochondrial DNA responsible for suppressiveness. Blanc H, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):3942–6

Codon recognition rules in yeast mitochondria. Bonitz SG, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3167–70

Preferential inclusion of extrachromosomal genetic elements in yeast meiotic spores. Brewer BJ, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5380–4

Replication and meiotic transmission of yeast ribosomal RNA genes. Brewer BJ, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6739–43

Autonomously replicating sequences in Saccharomyces cerevisiae. Chan CS, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6329–33

Yeast tRNA precursor mutated at a splice junction is correctly processed in vivo. Colby D, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):415–9

Regulatory interactions between mitochondrial genes: interactions between two mosaic genes. Dhawale S, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1778–82

Cloning of yeast gene for trichodermin resistance and ribosomal protein L3. Fried HM, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):238–42

Fusion of Escherichia coli lacZ to the cytochrome c gene of Saccharomyces cerevisiae. Guarente L, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2199–203

Mutant defective in processing of an enzyme located in the lysosome-like vacuole of Saccharomyces cerevisiae. Hemmings BA, et al. **Proc Natl Acad Sci USA** 1981 Jan; 78(1):435–9

Direct selection procedure for the isolation of functional centromeric DNA. Hsiao CL, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3760–4

Isolation of yeast genes with mRNA levels controlled by phosphate concentration. Kramer RA, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6541–5

Induction of mitotic recombination in yeast by starvation for thymine nucleotides. Kunz BA, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):6057–61

Isolation and sequence of the gene for actin in Saccharomyces cerevisiae. Ng R, et al. **Proc Natl Acad Sci USA** 1980 Jul; 77(7):3912–6

Yeast genes fused to beta-galactosidase in Escherichia coli can be expressed normally in yeast. Rose M, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2460–4

Eukaryotic DNA segments capable of autonomous replication in yeast. Stinchcomb DT, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4559–63

Gene conversion at the var1 locus on yeast mitochondrial DNA. Strausberg RL, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):494–8

Origin of replication from Xenopus laevis mitochondrial DNA promotes high-frequency transformation of yeast. Zakian VA. **Proc Natl Acad Sci USA** 1981 May; 78(5):3128–32

Stable chromosomal integration of the entire nitrogen fixation gene cluster from Klebsiella pneumoniae in yeast. Zamir A, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3496–500

Suppressible four-base glycine and proline codons in yeast. Donahue TF, et al. **Science** 1981 Apr 24;212(4493):455–7

Changes in DNA during meiosis in a repair-deficient mutant (rad 52) of yeast. Resnick MA, et al. **Science** 1981 May 1;212(4494):543–5

The origins of gene instability in yeast. Roeder GS, et al. **Science** 1980 Sep 19;209(4463):1375–80

Recombination of dispersed repeated DNA sequences in yeast. Scherer S, et al. **Science** 1980 Sep 19; 209(4463):1380–4

[Nucleotide sequence of the gene for the mitochondrial 15S ribosomal RNA of yeast] Sor F, et al. **C R Acad Sci [D] (Paris)** 1980 Dec 8;291(12):933–6 (Eng. Abstr.) **(Fre)**

[Mitochondria antibiotic-resistance mutations in Saccharomyces cerevisiae, their recombination and effect on induction of respiration-deficient mitochondrial mutations by ethyl alcohol] Bandas EL, et al. **Genetika (Moskva)** 1980;16(9):1556–63 (Eng. Abstr.) **(Rus)**

[Genetic effects of N-nitroso-N-methylurea on Saccharomyces cerevisiae. II. Effect of radiosensitivity mutations on lethal and mutagenic effects] Iadgarov KhT. **Genetika (Moskva)** 1981;17(3):405–10 (Eng. Abstr.) **(Rus)**

[Effect of Saccharomyces cerevisiae RAD54 mutation on gamma ray-induced reciprocal mitotic recombination] Kasinova GV. **Genetika (Moskva)** 1980;16(11):2058–60 (Eng. Abstr.) **(Rus)**

['Killer' plasmid mutants obtained by exposure to 5-fluorouracil] Nesterova GF, et al. **Genetika (Moskva)** 1981;17(3):391–8 (Eng. Abstr.) **(Rus)**

[Variability of a distant hybrid produced as a result of crossing Saccharomyces cerevisiae with Schizosaccharomyces pombe] Kosikov KV. **Mikrobiologiia** 1980 Nov–Dec;49(6):1003–5 **(Rus)**

[Cloning and restriction analysis of the 3 micron DNA of Saccharomyces cerevisiae] Larionov VL, et al. **Mol Biol (Mosk)** 1980 Nov–Dec;14(6):1267–72 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Characterisation and metabolic studies of Saccharomyces cerevisiae and Kluyveromyces fragilis by flow microcalorimetry. Beezer AE, et al. **Antonie Van Leeuwenhoek** 1979;45(1):55–63

The growth of Saccharomyces cerevisiae CBS 426 on mixtures of glucose and ethanol: a model. Bonnet JA, et al. **Antonie Van Leeuwenhoek** 1980;46(6):565–76

Adaptation of Saccharomyces cerevisiae to growth on cholesterol: selection of mutants defective in the formation of lanosterol. Taylor FR, et al. **Biochem Biophys Res Commun** 1980 Aug 29;95(4):1437–45

Suitability of Micrococcus luteus and Saccharomyces cerevisiae for testing the fertility of media used in drug sterility assays. Buogo A, et al. **Boll Chim Farm** 1980 Jun; 119(6):361–70

Design of a growth model for yeast. L'Homme C, et al. **Folia Microbiol (Praha)** 1980;25(5):418–23

Localized secretion of acid phosphatase reflects the pattern of cell surface growth in Saccharomyces cerevisiae. Field C, et al. **J Cell Biol** 1980 Jul;86(1):123–8

Roles of the CDC24 gene product in cellular morphogenesis during the Saccharomyces cerevisiae cell cycle. Sloat BF, et al. **J Cell Biol** 1981 Jun;89(3):395–405

IMMUNOLOGY

Polymorphonuclear neutrophil iodination response as an estimate of defective yeast opsonization. Roberton DM, et al. **Clin Exp Immunol** 1981 Jan;43(1):208–14

Immunochemical analysis of the plasma membrane from baker's yeast Saccharomyces cerevisiae. Baumgartner B, et al. **Eur J Cell Biol** 1980 Dec;23(1):6–15

Macrophage antimicrobial activity: evidence for participation by lysosomes in the killing of Saccharomyces cerevisiae by normal resident macrophages. Hart PD. **Infect Immun** 1981 Feb;31(2):828–30

ISOLATION & PURIFICATION

Isolation and partial characterization of mutants of Saccharomyces cerevisiae altered in sensitivities to lethal effects of bleomycins. Moore CW. **J Antibiot (Tokyo)** 1980 Nov;33(11):1369–75

Purification and properties of proteinase A from yeast. Meussdoerffer F, et al. **J Biol Chem** 1980 Dec 25; 255(24):12087–93

Use of the polyene antibiotic N-glycosyl-polifungin in counterselecting yeast mutants. Polaina J, et al. **Mutat Res** 1981 Mar;91(2):111–4

METABOLISM

Rapid analysis of modified tRNAphe from yeast by high-performance liquid chromatography: chromatography of oligonucleotides after RNase T1 digestion on aminopropylsilica and assignment of the fragments based on nucleoside analysis by chromatography on C18-silica. McLaughlin LW, et al. **Anal Biochem** 1981 Mar 15;112(1):60–9

Binding of cycloheximide to ribosomes from wild-type and mutant strains of Saccharomyces cerevisiae. Stöcklein W, et al. **Antimicrob Agents Chemother** 1980 Dec;18(6):863–7

Changes in free amino acid content and activities of amination and transamination enzymes in yeasts grown on different inorganic nitrogen sources, including hydroxylamine. Norkrans B, et al. **Antonie Van Leeuwenhoek** 1981; 47(3):217–30

Extracellular protein release and its response to pH level in Saccharomyces cerevisiae. Weller J, et al. **Antonie Van Leeuwenhoek** 1981;47(3):193–207

Stimulation of yeast mitochondrial protein synthesis by postpolysomal supernatants from yeast, rat liver, and Escherichia coli. Everett TD, et al. **Arch Biochem Biophys** 1980 Apr 1;200(2):467–73

Evidence that cytochrome b is the antimycin-binding component of the yeast mitochondrial cytochrome bc1 complex. Roberts H, et al. **Arch Biochem Biophys** 1980 Apr 1;200(2):387–95

Molecular mechanism of pyrimidine dimer excision in Saccharomyces cerevisiae. I. Studies with intact cells and cell-free systems. Reynolds RJ, et al. **Basic Life Sci** 1980; 15:121–39

Superkiller yeast strain contains additional species of double-stranded RNA. Brizzard BL, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1449–55

Variations in mitochondrial DNA concentration as a function of different growth conditions in yeast. Cottrell SF. **Biochem Biophys Res Commun** 1981 Feb 27;98(4):1091–6

Second derivative spectroscopic assay of cytochrome P-450 of yeast cells. Resolution of cytochrome a3. Kärenlampi SO, et al. **Biochem Biophys Res Commun** 1981 May 15; 100(1):297–304

Inhibition of oligopeptide transport in S. cerevisiae by a peptide-poly (ethylene glycol) conjugate. Naider F, et al. **Biochem Biophys Res Commun** 1980 Aug 14;95(3):1187–91

Regulation of mitochondrial biogenesis. Occurrence of non-functioning components of the mitochondrial respiratory chain in Saccharomyces cerevisiae grown in the presence of proteinase inhibitors: evidence for proteolytic control over assembly of the respiratory chain. Galkin AV, et al. **Biochem J** 1980 Jul 15;190(1):145–56

Membrane proteins associated with amino acid transport by yeast (Saccharomyces cerevisiae). Woodward JR, et al. **Biochem J** 1980 Nov 15;192(2):659–64

Arabinosyl nucleosides--XXXIII. Metabolism of 9-beta-D-arabinofuranosyladenine in yeast cells. Schuster DK, et al. **Biochem Pharmacol** 1980 Nov 15;29(22):3081–5

Solubilization of cytochrome P-450 in high yield from Saccharomyces cerevisiae microsomal membranes by 1% Triton X-100: stabilization effect. Azari MR, et al. **Biochem Soc Trans** 1980 Dec;8(6):713–4

Mechanism of degradation of cytochrome P-450 in non-growing Saccharomyces cerevisiae: anaerobiosis, chloramphenicol, dinitrophenol and cycloheximide as protective agents. Blatiak AA, et al. **Biochem Soc Trans** 1980 Dec;8(6):711–2

Stimulation of growth and cytochrome P-450 production by high glucose concentration in strains of Saccharomyces cerevisiae: direct relationship of adenosine 3':5'-cyclic monophosphate and cytochrome a + a3 concentrations. Qureshi I, et al. **Biochem Soc Trans** 1980 Oct;8(5):573–4

The critical analysis of a method for estimating the mean overall intracellular pH value in yeast illustrating the effect of errors in assumed cellular parameters. Ryan JP. **Biochem Soc Trans** 1980 Oct;8(5):580–1

Regulation of cytochrome P-450 biosynthesis in Saccharomyces cerevisiae: relationship to proposed location of some of adenylate cyclase in mitochondrial membrane. Wiseman A. **Biochem Soc Trans** 1980 Dec; 8(6):712–3

Utilization and metabolism of methyl-sterol derivatives in the yeast mutant strain GL7. Buttke TM, et al. **Biochemistry** 1981 May 26;20(11):3267–72

Purification of yeast tubulin by self-assembly in vitro. Kilmartin JV. **Biochemistry** 1981 Jun 9;20(12):3629–33

Functional role of acidic ribosomal proteins. Interchangeability of proteins from bacterial and eukaryotic cells. Sánchez-Madrid F, et al. **Biochemistry** 1981 May 26; 20(11):3263–6

Effect of unsaturated fatty acids on sterol biosynthesis in yeast. Boll M, et al. **Biochim Biophys Acta** 1980 Dec 5; 620(3):429–39

Evidence for a highly specific protein kinase phosphorylating two strongly acidic proteins of yeast 60 S ribosomal subunit. Kudlicki W, et al. **Biochim Biophys Acta** 1980 Dec 15;633(3):376–85

Lipid phase separations and intramembranous particle movements in the yeast tonoplast. Moeller CH, et al. **Biochim Biophys Acta** 1981 May 6;643(2):376–86

Biogenesis of mitochondria. oli2 Mutations affecting the coupling of oxidation to phosphorylation in Saccharomyces cerevisiae. Murphy M, et al. **Biochim Biophys Acta** 1980 Oct 3;592(3):431–44

Possible functional roles of carboxyl and histidine residues in a soluble thiamine-binding protein of Saccharomyces cerevisiae. Nishimura H, et al. **Biochim Biophys Acta** 1981 May 29;668(3):333–8

Study of the interaction between yeast tRNAphe and yeast phenylalanyl-tRNA synthetase by monochromatic ultraviolet irradiation at various wavelengths. Advantages and limits of the method. Renaud M, et al. **Biochim Biophys Acta** 1981 Apr 27;653(2):145–59

Metabolic relationship between invertase and acid phosphatase isoenzymes in Saccharomyces cerevisiae. Rodriguez L, et al. **Biochim Biophys Acta** 1980 May 22; 629(3):445–54

Energy source for lithium efflux in yeast. Rodríguez-Navarro A, et al. **Biochim Biophys Acta** 1981 Jan 8;640(1):352–8

Processes involved in the creation of buffering capacity and in substrate-induced proton extrusion in the yeast Saccharomyces cerevisiae. Sigler K, et al. **Biochim Biophys Acta** 1981 May 20;643(3):583–92

Factors governing substrate-induced generation and extrusion of protons in the yeast Saccharomyces cerevisiae. Sigler K, et al. **Biochim Biophys Acta** 1981 May 20; 643(3):572–82

An investigation into the feasibility of using yeast protoplasts to study the ion transport properties of the plasma membrane. Theuvenet AP, et al. **Biochim Biophys Acta** 1980 July;599(2):587–95

Intracellular red-ox steady states as basis for cell characterization by flow cytofluorometry. Thorell B. **Blood Cells** 1980;6(4):745–51

Preparation of an experimental low-fluoride diet from single-cell organisms for rats and mice. Khalawan SA, et al. **Br J Nutr** 1980 Nov;44(3):371–80

Inhibition of lipid-linked mannose and mannoprotein synthesis in yeast by diumycin in vitro. Babczinski P. **Eur J Biochem** 1980 Nov;112(1):53–8

Purification and characterization of two high-affinity (adenosine 3',5'-monophosphate)-binding proteins from yeast. Identification as multiple forms of glyceraldehyde-3-phosphate dehydrogenase. Brownlee AG, et al. **Eur J Biochem** 1980 Aug;109(1):39–49

The ligand specificity of the (adenosine 3',5'-monophosphate)-binding site of yeast glyceraldehyde-3-phosphate dehydrogenase. Interaction with adenosine derivatives and pharmacologically-active compounds. Brownlee AG, et al. **Eur J Biochem** 1980 Aug; 109(1):51–9

Cytochrome b-565 in Saccharomyces cerevisiae: use of mutants in the cob- box region of the mitochondrial DNA to study the functional role of this spectral species of cytochrome b. 2. Relationship between energetic data and cytochrome b-565 content. Chevillotte-Brivet P, et al. **Eur J Biochem** 1980 Oct;111(1):161–9

Induction of choline transport and its role in the stimulation of the incorporation of choline into phosphatidylcholine by polyamines in a polyamine auxotroph of Saccharomyces cerevisiae. Hosaka K, et al. **Eur J Biochem** 1981 May; 116(1):1–6

Membrane mutants: a yeast mutant with a lesion in phosphatidylserine biosynthesis. Kováč L, et al. **Eur J Biochem** 1980 Oct;111(2):491–501

Biosynthesis of the core region of yeast mannoproteins. Formation of a glucosylated dolichol-bound oligosaccharide precursor, its transfer to protein and

subsequent modification. Lehle L. **Eur J Biochem** 1980 Aug;109(2):589–601

Regulation of compartmentation of amino acid pools in Saccharomyces cerevisiae and its effects on metabolic control. Messenguy F, et al. **Eur J Biochem** 1980 Jul; 108(2):439–47

Cytochrome b–565 in Saccharomyces cerevisiae: use of mutants in the cob–box region of the mitochondrial DNA to study the functional role of this spectral species of cytochrome b. 1. Measurements of cytochromes b–562 and b–565 and selection of revertants devoid of cytochrome b–565. Meunier–Lemesle D, et al. **Eur J Biochem** 1980 Oct; 111(1):151–9

Effect of phosphorylation on the affinity of acidic proteins from Saccharomyces cerevisiae for the ribosomes. Sánchez–Madrid F, et al. **Eur J Biochem** 1981 Mar; 114(3):609–13

The influence of elongation–factor–Tu . GTP and anticodon–anticodon interactions on the anticodon loop conformation of yeast tRNATyr. Weygand–Durasevic I, et al. **Eur J Biochem** 1981 May;116(1):59–65

Incorporation of photolabile azido fatty acid probes in Neurospora crassa and Saccharomyces cerevisiae. Chakravarti DN, et al. **Experientia** 1981 Apr 15;37(4):353–4

Inhibition of thiamine transport in baker's yeast by methylene blue. Iwashima A, et al. **Experientia** 1980 Oct 15; 36(10):1153–4

Histone synthesis during sporulation of yeast. Marian B, et al. **FEBS Lett** 1980 Aug 11;117(1):63–7

Limitations to the use of radioactively labelled substrates for studying peptide transport in microorganisms. Payne JW, et al. **FEBS Lett** 1980 Sep 22;119(1):73–6

Extrusion of metabolites from baker's yeast during glucose–induced acidification. Sigler K, et al. **Folia Microbiol (Praha)** 1980;25(4):311–7

Gas chromatographic determination of extracellular metabolites produced by baker's yeast during glucose–induced acidification. Wurst M, et al. **Folia Microbiol (Praha)** 1980;25(4):306–10

Studies on the effects of 2–deoxy–D–glucose on glucose uptake & glycolysis in respiratory–deficient yeast cells. Gupta I, et al. **Indian J Exp Biol** 1981 Mar;19(3):231–7

Proline: an essential intermediate in arginine degradation in Saccharomyces cerevisiae. Brandriss MC, et al. **J Bacteriol** 1980 Sep;143(3):1403–10

Photo:epair of ultraviolet–induced petite mutational damage in Saccharomyces cerevisiae requires the product of the PHR1 gene. Green G, et al. **J Bacteriol** 1980 Nov; 144(2):826–9

Reserve carbohydrate metabolism in Saccharomyces cerevisiae: responses to nutrient limitation. Lillie SH, et al. **J Bacteriol** 1980 Sep;143(3):1384–94

Separation of peptide transport and hydrolysis in trimethionine uptake by Saccharomyces cerevisiae. Parker DD, et al. **J Bacteriol** 1980 Aug;143(2):1066–9

Molecular mechanisms of pyrimidine dimer excision in Saccharomyces cerevisiae: excision of dimers in cell extracts. Reynolds RJ, et al. **J Bacteriol** 1981 Aug; 147(2):705–8

Inducible N–acetyglucosamine–binding protein in yeasts. Singh B, et al. **J Bacteriol** 1980 Oct;144(1):1–6

Levels of acid–soluble polyphosphate in growing cultures of Saccharomyces cerevisiae. Solimene R, et al. **J Bacteriol** 1980 Aug;143(2):710–4

Sterol–content lowering action of o–chlorobenzylchloride in yeast. Ariga N, et al. **J Biochem (Tokyo)** 1980 Jul; 88(1):97–102

Biosynthesis of ergosterol in cell–free system of yeast. Nishino T, et al. **J Biochem (Tokyo)** 1980 Jul;88(1):247–54

The products of mitochondria–bound cytoplasmic polysomes in yeast. Ades IZ, et al. **J Biol Chem** 1980 Oct 25; 255(20):9918–24

The transport of proteins into yeast mitochondria. Kinetics and pools. Ades IZ, et al. **J Biol Chem** 1980 Oct 25; 255(20):9925–35

Isolation of eukaryotic initiation factor 2 from yeast Saccharomyces cerevisiae. Baan RA, et al. **J Biol Chem** 1981 Feb 10;256(3):1063–6

Assembly of the mitochondrial membrane system. Sequences of yeast mitochondrial tRNA genes. Bonitz SG, et al. **J Biol Chem** 1980 Oct 10;255(19):9075–81

Characterization of yeast iso–1–cytochrome c mRNA. Boss JM, et al. **J Biol Chem** 1980 Sep 25;255(18):8623–8

Use of formylated yeast initiator Met tRNA to define the NH2–terminal residues of rat preproinsulin and pregrowth hormone. Chan SJ, et al. **J Biol Chem** 1981 Apr 10; 256(7):3271–5

Effect of methylation on the stability of cytochrome c of Saccharomyces cerevisiae in vivo. Farooqui J, et al. **J Biol Chem** 1981 May 25;256(10):5041–5

alpha–Factor–mediatd modification of a 32P–labeled protein by MATa cells of Saccharomyces cerevisiae. Finkelstein DB, et al. **J Biol Chem** 1981 Mar 10;256(5):2561–6

Mitochondrial transcription complex from Saccharomyces cerevisiae. Levens D, et al. **J Biol Chem** 1981 Feb 10; 256(3):1466–72

Transcriptional initiation and 5' termini of yeast mitochondrial RNA. Levens D, et al. **J Biol Chem** 1981 May 25;256(10):5226–32

Assembly of the mitochondrial membrane system. DNA sequence and organization of the cytochrome b gene in Saccharomyces cerevisiae D273–10B. Nobrega FG, et al. **J Biol Chem** 1980 Oct 25;255(20):9828–37

Assembly of the mitochondrial membrane system. Complete restriction map of the cytochrome b region of mitochondrial DNA in Saccharomyces cerevisiae D273–10B. Nobrega FG, et al. **J Biol Chem** 1980 Oct 25; 255(20):9821–7

Active transport of basic amino acids driven by a proton motive force in vacuolar membrane vesicles of Saccharomyces cerevisiae. Ohsumi Y, et al. **J Biol Chem** 1981 Mar 10;256(5):2079–82

Pathways of transcript splicing in yeast mitochondria. Mutations in intervening sequences of the split gene COB reveal a requirement for intervening sequence–encoded products. Schmelzer C, et al. **J Biol Chem** 1981 Jul 25; 256(14):7610–9

Transcription and in vitro processing of yeast 5 S rRNA. Tekamp PA, et al. **J Biol Chem** 1980 Oct 10;255(19):9501–6

Characterization of large oligosaccharide–lipids synthesized in vitro by microsomes from Saccharomyces cerevisiae. Trimble RB, et al. **J Biol Chem** 1980 Nov 10; 255(21):10232–8

Effect of glucosylation of lipid intermediates on oligosaccharide transfer in solubilized microsomes from Saccharomyces cerevisiae. Trimble RB, et al. **J Biol Chem** 1980 Dec 25;255(24):11892–5

Faithful and efficient translation of homologous and heterologous mRNAs in an mRNA–dependent cell–free system from Saccharomyces cerevisiae. Tuite MF, et al. **J Biol Chem** 1980 Sep 25;255(18):8761–6

Maturation of ribosomal precursor RNA in Saccharomyces cerevisiae. A mutant with a defect in both the transport and terminal processing of the 20 S species. Carter CJ, et al. **J Mol Biol** 1980 Oct 25;143(2):179–99

Increased proportion of medium chain fatty acids in nystatin–resistant yeast mutants. Nagai J, et al. **Lipids** 1981 Jun;16(6):411–7

Metabolism of sterols by anaerobic Saccharomyces cerevisiae. Sekula BC, et al. **Lipids** 1981 Mar;16(3):195–8

Nucleic acid metabolism in yeast II. Metabolism of thymidylate during thymidylate excess death. Toper R, et al. **MGG** 1981;182(1):60–4

Copper accumulation by bacteria, moulds and yeasts. Baldry MG, et al. **Microbios** 1981;29(115):7–14

Mercurial toxicity in yeast: glucose uptake, glycolytic and fermentative functions remain unimpaired. Brunker RL. **Microbios** 1979;26(105–106):147–52

Dynamic compartmentation. Hess B, et al. **Mol Biol Biochem Biophys** 1980;32:157–64

The 5' terminus of the precursor ribosomal RNA of Saccharomyces cerevisiae. Klemenz R, et al. **Nucleic Acids Res** 1980 Jun 25;8(12):2679–89

The electrostatic molecular potential of yeast tRNAPhe. (I). The potential due to the phosphate backbone. Lavery R, et al. **Nucleic Acids Res** 1980 Mar 11;8(5):1061–79

Yeast tRNAPhe conformation wheels: a novel probe of the monoclinic and orthorhombic models. Srinivasan AR, et al. **Nucleic Acids Res** 1980 May 24;8(10):2307–29

The transcription termination site of the ribosomal RNA operon in yeast. Veldman GM, et al. **Nucleic Acids Res** 1980 Nov 25;8(22):5179–92

Ribosome binding by tRNAs with fluorescent labeled 3' termini. Wells BD, et al. **Nucleic Acids Res** 1980 Jul 25; 8(14):3229–46

13C NMR study of transamination during acetate utilization by Saccharomyces cerevisiae. den Hollander JA, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):2693–7

The four cytoplasmically made subunits of yeast mitochondrial cytochrome c oxidase are synthesized individually and not as a polyprotein. Mihara K, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4160–4

Microcalorimetric investigations of the metabolism of yeasts. VII. Flow–calorimetry of aerobic batch cultures. Brettel R, et al. **Radiat Environ Biophys** 1980;18(4):301–9

Initiation of protein synthesis in yeast: binding of Met–tRNAi. Kreutzfeldt C. **Z Naturforsch [C]** 1981 Jan–Feb;36(1–2):142–8

[The possible role of vitamin K compound in oxidative phosphorylation in Saccharomyces cerevisiae (author's transl)] Lee SY. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1981 Mar;14(1):27–40 (Eng. Abstr.) **(Chi)**

[Effect of inorganic and yeast–borne tin on rats] Pfaff K, et al. **Arch Exp Veterinaermed** 1980;34(3):353–6 (Eng. Abstr.) **(Ger)**

[Effects of tin on rats. II. Comparison of the effects of tin (II) chloride and yeast–incorporated tin] Kujawa M, et al. **Nahrung** 1980;24(4–5):455–61 (Eng. Abstr.) **(Ger)**

[Role of cytochrome P–450 in strain D7 of the yeast Saccharomyces cerevisiae] Del Carratore R, et al. **Boll Soc Ital Biol Sper** 1981 Jan 15;57(1):63–9 (Eng. Abstr.) **(Ita)**

[Study of microorganism respiration according to the parameters of their delayed fluorescence] Petukhov VG, et al. **Mikrobiologiia** 1981 Jan–Feb;50(1):171–5 (Eng. Abstr.) **(Rus)**

[Use of the fluorescence method to detect and quantitatively determine lipids in the cells of microorganisms] Pomoshchnikova NA, et al. **Mikrobiologiia** 1981 Jan–Feb; 50(1):176–82 (Eng. Abstr.) **(Rus)**

[Influence of oxygen saturation of Saccharomyces cerevisiae suspension in a magnetic field on yeast activity] Mazur Pla. **Prikl Biokhim Mikrobiol** 1980 Jul–Aug;16(4):517–22 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Primary effects of yeast killer toxin. de la Peña P, et al. **Biochem Biophys Res Commun** 1980 Sep 30;96(2):544–50

Protein degradation, meiosis and sporulation in proteinase–deficient mutants of Saccharomyces cerevisiae. Zubenko GS, et al. **Genetics** 1981 Jan;97(1):45–64

Synthesis of beta–glucanases during sporulation in Saccharomyces cerevisiae: formation of a new, sporulation–specific 1,3–beta–glucanase. del Rey F, et al. **J Bacteriol** 1980 Aug;143(2):621–7

Timing of ribosome synthesis during ascosporogenesis of yeast cells: evidence for early function of haploid daughter genomes. Emanuel JR, et al. **J Bacteriol** 1981 Mar; 145(3):1342–50

Properties of polyadenylate–associated ribonucleic acid from Saccharomyces cerevisiae ascospores. Harper JF, et al. **J Bacteriol** 1980 Aug;143(2):958–65

Messenger ribonucleic acid and protein metabolism during sporulation of Saccharomyces cerevisiae. Kraig E, et al. **J Bacteriol** 1980 Dec;144(3):1098–1112

Changes in regulation of ribosomal protein synthesis during vegetative growth and sporulation of Saccharomyces cerevisiae. Pearson NJ, et al. **J Bacteriol** 1980 Sep; 143(3):1411–9

Metabolism of myo–inositol during sporulation of myo–inositol–requiring Saccharomyces cerevisiae. Schroeder R, et al. **J Bacteriol** 1981 May;146(2):775–83

Saturated fatty acid–starved cells of Saccharomyces cerevisiae grown in the presence of cerulenin and oleic acid. Otoguro K, et al. **J Biochem (Tokyo)** 1981 Feb; 89(2):523–9

Sporulation of products of protoplast fusion without regeneration in Saccharomyces cerevisiae. Tsuboi M. **MGG** 1981;182(1):1–6

31P NMR studies of intracellular pH and phosphate metabolism during cell division cycle of Saccharomyces cerevisiae. Gillies RJ, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2125–9

Nature of the G1 phase of the yeast Saccharomyces cerevisiae. Singer RA, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):3030–3

Microbiological implications of electric field effects. II. Inactivation of yeast cells and repair of their cell envelope. Jacob HE, et al. **Z Allg Mikrobiol** 1981;21(3):225–33

Rotation of cells in an alternating electric field: the occurrence of a resonance frequency. Zimmermann U, et al. **Z Naturforsch [C]** 1981 Jan–Feb;36(1–2):173–7

RADIATION EFFECTS

Synthesis of inducible enzymes in irradiated yeast cel's: inhibition by ionizing radiation. Kiefer J, et al. **Int J Radiat Biol** 1980 Sep;38(3):267–75

Gamma radiation response and recovery studies in radiation sensitive mutants of diploid yeast. Rao BS, et al. **Int J Radiat Biol** 1980 Jun;37(6):701–5

DNA synthesis in UV–irradiated yeast. di Caprio L, et al. **Mutat Res** 1981 Jun;82(1):69–85

Photodynamic inactivation of yeast cells sensitized by hematoporphyrin. Stenstrøm AG, et al. **Photochem Photobiol** 1980 Sep;32(3):349–52

Combined action of ultrasound and ionizing radiation on yeast cells. Petin VG, et al. **Radiat Environ Biophys** 1980; 18(1):45–55

Genetic control of repair of radiation damage produced under euoxic and anoxic conditions in diploid yeast Saccharomyces cerevisiae. Reddy NM, et al. **Radiat Environ Biophys** 1981;19(3):187–95

Effects of 120– to 165–nm vacuum–uv light on wet yeast cells. Ito T, et al. **Radiat Res** 1981 Jan;85(1):161–72

Beta–ray–induced gene conversion in yeast. Morrison DP, et al. **Radiat Res** 1981 Jul;87(1):50–8

Linear dose response of gene conversion in Saccharomyces cerevisiae after ionizing radiation. Unrau P, et al. **Radiat Res** 1981 Feb;85(2):349–54

[Radiobiological characteristics for the medical proton beam with an energy of 1000 mev (author's transl)] Konnov BA, et al. **Radiobiol Radiother (Berl)** 1981;22(2):225–32 (Eng. Abstr.) **(Ger)**

[Radioprotective function of the yeast cell wall] Phai L. **Z Allg Mikrobiol** 1980;20(6):415–22 **(Ger)**

[Mechanism of mutant induction in the ade2 gene of diploid Saccharomyces cerevisiae yeasts by ultraviolet rays] Gordenin DA, et al. **Genetika (Moskva)** 1981;17(5):822–31 (Eng. Abstr.) **(Rus)**

[Genetic effects of the breakdown of tritium incorporated into Saccharomyces cerevisiae yeast cells. IV. The lethal and mutagenic effects and the nature of the mutations induced by tritium breakdown in the 5th position of cytosine] Ivanov EL, et al. **Genetika (Moskva)** 1981; 17(6):1000–8 (Eng. Abstr.) **(Rus)**

[Combined action of UV light and alpha particles on yeast cells of different genotypes] Komarov VP, et al. **Genetika (Moskva)** 1981;17(5):814–21 (Eng. Abstr.) **(Rus)**

[Effect on cell genotype on thermal radiosensitization of yeast] Petin VG, et al. **Genetika (Moskva)** 1980;16(1):95–102 (Eng. Abstr.) **(Rus)**

[UV–light protection of alpha–irradiated yeast cells] Komarov VP, et al. **Radiobiologiia** 1980 Nov–Dec; 20(6):862–5 (Eng. Abstr.) **(Rus)**

[Role of sequential exposure to ultrasound and ionizing radiation in yeast cell survival] Komarov VP, et al. **Radiobiologiia** 1981 Jan-Feb;21(1):9-13 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Controlled deposition of water vapor on clean membrane fracture faces: decoration and contamination phenomena. Gross H. **Acta Histochem [Suppl] (Jena)** 1981;23:21-8

Quantitative picture analysis of freeze-fracture electron-micrographs. Gruler H. **Acta Histochem [Suppl] (Jena)** 1981;23:55-74

Plasma membrane particles in yeast protoplasts. Nečas O, et al. **Acta Histochem [Suppl] (Jena)** 1981;23:151-5

Polyethylene glycol induced membrane fusion in yeast protoplasts. Svoboda A. **Acta Histochem [Suppl] (Jena)** 1981;23:211-7

Chemical and enzymatic changes in the cell walls of Candida albicans and Saccharomyces cerevisiae by scanning electron microscopy. Koch Y, et al. **Can J Microbiol** 1980 Aug;26(8):965-70

Ultrastructural study of a wild strain and three mutants of Saccharomyces cerevisiae Hansen. Reisinger O, et al. **Cell Mol Biol** 1980;26(2):227-33

Nuclear morphology of yeast under thymidylate starvation. Moens PB, et al. **Chromosoma** 1981;82(3):333-40

Isolation and characterization of nuclei and nuclear membranes from Saccharomyces cerevisiae protoplasts. Mann K, et al. **FEBS Lett** 1980 Dec 15;122(1):95-9

Use of ruthenium red for visualization of the regenerating cell wall in yeast protoplasts. Havelková M. **Folia Microbiol (Praha)** 1981;26(1):65-7

Corresponding changes in kynurenine hydroxylase activity, membrane fluidity, and sterol composition in Saccharomyces cerevisiae mitochondria. McLean-Bowen CA, et al. **J Bacteriol** 1981 Mar;145(3):1325-33

Prefracture and cold-fracture images of yeast plasma membranes. Steere RL, et al. **J Cell Biol** 1980 Jul; 86(1):113-22

[Isolation of yeast protoplasts using various preparations of the hepato-pancreatic juice of Helix pomatia] Diatewa M, et al. **Biochimie** 1981 Jan;63(1):67-9 (Eng. Abstr.) **(Fre)**

[Physico-chemical and functional properties fo intramitochondrial polyribosomes of the yeast Saccharomyces cerevisiae] Babich SG, et al. **Biokhimiia** 1980 Jan;45(1):11-9 (Eng. Abstr.) **(Rus)**

SACCHAROMYCOPSIS see under **ASCOMYCETES**

SACCHAROPINE see under **LYSINE**

SACCHAROPINE DEHYDROGENASES see under **AMINE OXIDOREDUCTASES**

SACCULE see under **LABYRINTH**

SACRAL PLEXUS see **LUMBOSACRAL PLEXUS**

SACRAL REGION see **SACROCOCCYGEAL REGION**

SACROCOCCYGEAL REGION

Sacrococcygeal tumour in infancy. Dubé S, et al. **Can J Surg** 1980 Jul;23(4):363-4

Sacrococcygeal teratomas: a review of 68 cases. Valdiserri RO, et al. **Cancer** 1981 Jul 1;48(1):217-21

Glomus tumours of the coccygeal body associated with coccydynia. A preliminary report. Pambakian H, et al. **J Bone Joint Surg [Br]** 1981;63-B(3):424-6

Malignant sacrococcygeal teratoma. Shapiro SA. **Med Pediatr Oncol** 1980;8(2):171-5

Prenatal diagnosis of sacrococcygeal teratoma by ultrasound. Bendel RP, et al. **Minn Med** 1980 Sep;63(9):623-4

Ependymal rests and subcutaneous sacrococcygeal ependymoma. Bale PM. **Pathology** 1980 Apr;12(2):237-43

Sacrococcygeal paciniomas. Bale PM. **Pathology** 1980 Apr; 12(2):231-5

Arteriography of sacrococcygeal teratomas. Smith WL, et al. **Radiology** 1980 Dec;137(3):653-5

[Verneuil's disease in the differential diagnosis of suppuration of the ano-perineo-buttock region] Gertsch P, et al. **Helv Chir Acta** 1980 Sep;47(3-4):477-81 (Eng. Abstr.) **(Fre)**

[Vaginaefixatio sacrospinalis vaginalis (Amreich II) for prolapse of vaginal stump (author's transl)] Wunderlich M. **Zentralbl Gynaekol** 1980;102(19):1136-9 (Eng. Abstr.) **(Ger)**

[Presacrococcygeal congenital cyst in the adult] Viola S, et al. **Minerva Chir** 1981 May 15;36(9):625-32 (Eng. Abstr.) **(Ita)**

[Sacrococcygeal teratoma in the adult] Dragomirescu C, et al. **Rev Chir [Chir]** 1980 Sep-Oct;29(5):391-6 (Eng. Abstr.) **(Rum)**

INNERVATION

[A morphological analysis of the nerve supply of the sphincter ani externus, levator ani and coccygeus (author's transl)] Sato K. **Kaibogaku Zasshi** 1980 Jun;55(3):187-223 (Eng. Abstr.) **(Jpn)**

SACROILIAC JOINT

Sacroiliitis in women--a late sequela to acute salpingitis. Hagenfeldt K, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 2):1039-41

The spondylitis of inflammatory bowel disease. Evidence for a non-HLA linked axial arthropathy. Enlow RW, et al. **Arthritis Rheum** 1980 Dec;23(12):1359-65

Pyogenic sacroiliitis. Iczkovitz JM, et al. **J Rheumatol** 1981 Jan-Feb;8(1):157-60

Pyogenic sacroiliitis. Diagnosis and significance. Lewkonia RM, et al. **J Rheumatol** 1981 Jan-Feb;8(1):153-6

Pyogenic arthritis of the sacroiliac joint in pediatric patients. Schaad UB, et al. **Pediatrics** 1980 Sep;66(3):375-9

HLA antigens and sacro-iliitis in chronic prostatitis. Møller P, et al. **Scand J Rheumatol** 1980;9(3):138-40

[Pannicular sacroiliac hernia: report of 50 cases (author's transl)] Tong WT. **Chung Hua Wai Ko Tsa Chih** 1981 Apr; 19(4):231 (Eng. Abstr.) **(Chi)**

[Arthritis of sacroiliac joints in psoriatics (author's transl)] Sváb V, et al. **Cesk Dermatol** 1980 Oct;55(5):318-22 (Eng. Abstr.) **(Cze)**

[Bacteriological diagnosis of infectious sacro-iliitis by percutaneous puncture biopsy using a trocar] Vinceneux P, et al. **Nouv Presse Med** 1980 Sep 13;9(32):2253-4 **(Fre)**

[Infectious sacroiliitis. Multicenter study of 214 cases] Feldmann JL, et al. **Rev Rhum Mal Osteoartic** 1981 Jan; 48(1):83-91 (Eng. Abstr.) **(Fre)**

[Disc diseases in the aged with involvement of the sacro-iliac joint] Hubault A. **Rev Rhum Mal Osteoartic** 1980 Jul-Sep; 47(7-9):511-2 **(Fre)**

[Clinical and diagnostic features in seven cases of sacro-iliac tuberculosis. Contribution of bone scintigraphy (author's transl)] Brucker G, et al. **Sem Hop Paris** 1980 Dec 8-15; 56(45-46):1891-4 (Eng. Absir.) **(Fre)**

[Bechterew's disease and sacroiliitis syndrome. Early and differential diagnosis] Zeidler H. **ZFA (Stuttgart)** 1981 Jan 31;57(3):146-52 (Eng. Abstr.) **(Ger)**

[Pain in the sacroiliac joint] Hallgrimsson IG. **Lakartidningen** 1980 Oct 8;77(41):3656-8 (Eng. Abstr.) **(Swe)**

INJURIES

[Traumatic injuries to the ileosacral joint; late results (author's transl)] Ahlers J, et al. **Zentralbl Chir** 1980; 105(12):758-68 (Eng. Abstr.) **(Ger)**

[Lesions of the symphysis and the sacroiliac joint] Stanković P, et al. **Zentralbl Chir** 1980;105(12):775-9 **(Ger)**

MICROBIOLOGY

[Deep bone biopsy using a trocar under television radioscopy in sacroiliac arthritis] Chevrot A, et al. **Rev Rhum Mal Osteoartic** 1981 Jan;48(1):95-9 **(Fre)**

PATHOLOGY

[Technic of trocar percutaneous puncture biopsy of the sacroiliac joint in the bacteriological and histological diagnosis of sacroiliitis] Vinceneux P, et al. **Rev Rhum Mal Osteoartic** 1981 Jan;48(1):93-4 **(Fre)**

PHYSIOLOGY

The functional topography of the sacroiliac joint. Wilder DG, et al. **Spine** 1980 Nov-Dec;5(6):575-9

RADIOGRAPHY

Sacroiliac joint involvement in classical or definite rheumatoid arthritis. De Carvalho A, et al. **Acta Radiol [Diagn] (Stockh)** 1980;21(3):417-23

CT of sacroiliitis. Carrera GF, et al. **AJR** 1981 Jan; 136(1):41-6

CT of sacroiliac joints in secondary hyperparathyroidism. Hooge WA, et al. **J Can Assoc Radiol** 1981 Mar;32(1):42-4

Computed tomography in the evaluation of sacroiliac arthritis. Borlaza GS, et al. **Radiology** 1981 May; 139(2):437-40

[Changes in the sacroiliac joint in the general population] Sebo M, et al. **Fysiatr Reumatol Vestn** 1980 Oct; 58(5):299-306 (Eng. Abstr.) **(Slo)**

RADIONUCLIDE IMAGING

Quantitative scintigraphy of sacroiliac joints: effects of age, gender, and laterality. Vyas K, et al. **AJR** 1981 Mar; 136(3):589-92

Radionuclide bone scanning in females with chronic low back pain. Rothwell RS, et al. **Ann Rheum Dis** 1981 Feb; 40(1):79-82

Prospective evaluation of sacroiliac scintigraphy in chronic inflammatory back pain. Esdaile JM, et al. **Arthritis Rheum** 1980 Sep;23(9):998-1003

Scintigraphic evidence of transient unilateral sacroiliitis in a case of Whipple's disease. Ho G Jr, et al. **Clin Nucl Med** 1980 Dec;5(12):548-50

An improved method for sacro-iliac joint imaging: a study of normal subjects, patients with sacro-iliitis and patients with low back pain. Ayres J, et al. **Clin Radiol** 1981 Jul; 32(4):441-5

Sacro-iliac joint disease in drug abusers: the role of bone scintigraphy. Lopez-Majano V, et al. **Eur J Nucl Med** 1980 Oct;5(5):459-63

The reliability of quantitative bone scanning in sacro-iliitis. Domeij-Nyberg B, et al. **Scand J Rheumatol** 1980;9(2):77-9

[Scintigraphic study of the sacroiliac joint with strontium-87m] Villiaumey J, et al. **Rev Rhum Mal Osteoartic** 1980 Jul-Sep;47(7-9):503-5 **(Fre)**

[Scintigraphic examinations of sacroiliacal joints in patients with early forms of ankylosing spondylitis] Römhild N, et al. **Z Gesamte Inn Med** 1981 Mar 15;36(6):193-5 (Eng. Abstr.) **(Ger)**

SURGERY

[Papineau-type operation in chronic staphylococcal arthritis of the sacro-iliac area] Fouche M, et al. **Rev Rhum Mal Osteoartic** 1981 Feb;48(2):219-21 **(Fre)**

SACRUM

Presacral neurectomy for pelvic pain in infertility. Polan ML, et al. **Fertil Steril** 1980 Dec;34(6):557-60

Osteoblastoma associated with osteomalacia (presentation of a case and review of the literature). Boriani S, et al. **Ital J Orthop Traumatol** 1978 Dec;4(3):379-82

Internal iliac aneurysm with a trans-sacral fistula. Craxford AD, et al. **J R Coll Surg Edinb** 1981 Mar;26(2):82-5

Removal of a presacral tumor via a Schuchardt incision. Madanes AE, et al. **Obstet Gynecol** 1981 Jun;57(6 Suppl):94S-6S

ABNORMALITIES

Anomalies of kidneys and of lumbosacral spine in patients with microtia. Kruk J, et al. **Acta Chir Plast (Prague)** 1980; 22(4):204-11

Myelography of sacral agenesis. Brooks BS, et al. **AJNR** 1981 Jul-Aug;2(4):319-23

Triad of anorectal, sacral, and presacral anomalies. Currarino G, et al. **AJR** 1981 Aug;137(2):395-8

A bisatellited marker chromosome in an infant with the caudal regression anomalad. Jensen PK, et al. **Clin Genet** 1981 Feb;19(2):126-9

Sacral agenesis. Lotan D, et al. **Isr J Med Sci** 1981 Jun; 17(6):437-40

The surgical treatment of lumbo-sacral coccygeal agenesis. Dal Monte A, et al. **Ital J Orthop Traumatol** 1979 Dec; 5(3):259-66

Variation of the lumbosacral myotomes with bony segmental anomalies. McCulloch JA, et al. **J Bone Joint Surg [Br]** 1980 Nov;62-B(4):475-80

Anterior sacral meningocele. Case report. Dyck P, et al. **J Neurosurg** 1980 Oct;53(4):548-52

Congenital torsion of penis with perineal and sacral anomaly. Walsh W, et al. **J Urol** 1981 Jan;125(1):122-3

Sacral agenesis with progressive neurological deficit. Pang D, et al. **Neurosurgery** 1980 Aug;7(2):118-26

[Sacral ribs (author's transl)] Vítovec J. **Cesk Radiol** 1980 Nov;34(6):407-9 (Eng. Abstr.) **(Cze)**

[The importance of the long pelvis in clinical practice and medical education (author's transl)] Martius G, et al. **Geburtshilfe Fraunheilkd** 1981 Feb;41(2):87-90 (Eng. Abstr.) **(Ger)**

[Lumbosacral agenesis. Presentation of one case. Literature review and embriological considerations (author's transl)] Sierra Pérez E, et al. **An Esp Pediatr** 1981 Jan;14(1):47-53 (Eng. Abstr.) **(Spa)**

INJURIES

Lumbosacral fracture-dislocations. A report of four cases. Das De S, et al. **J Bone Joint Surg [Br]** 1981 Feb; 63-B(1):58-60

[Antero-lateral dislocation of the lumbo-sacral spine: a rare lesion (author's transl)] Roy-Camille R, et al. **Rev Chir Orthop** 1980 Mar;66(2):105-9 (Eng. Abstr.) **(Fre)**

[Sacral fractures] Wörsdörfer O, et al. **Hefte Unfallheilkd** 1980;(149):203-14 **(Ger)**

[The anatomy, radiology and clinical features of fractures of the sacrum (author's transl)] Schild H, et al. **ROEFO** 1981 May;134(5):522-7 (Eng. Abstr.) **(Ger)**

INNERVATION

Lumbo-sacral radiculography with a new, water-soluble contrast medium: myelografin (meglumine ioserinate, SSH 239 AB). Urso S, et al. **Ital J Orthop Traumatol** 1979 Dec; 5(3):321-30

PATHOLOGY

[The apparent parallelism of L5-S1 as an early radiologic sign of lumbo-sacral disk herniation] Radi I, et al. **Schweiz Med Wochenschr** 1981 Apr 18;111(16):561-5 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

[The peculiarities of the iliosacral joints] Schlenzka W. **MMW** 1980 Aug 8;122(32-33):1133-4 **(Ger)**

[Biomechanical investigations on the lumbar spine - on the etiology of spondylolisthesis (author's transl)] Suezawa Y, et al. **Z Orthop** 1980 Apr;118(2):173-86 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

CT of the lumbosacral spine: importance of tomographic planes parallel to vertebral end plate. Hirschy JC, et al. **AJR** 1981 Jan;136(1):47–52

Lesions of the sacrum. Differential diagnosis and radiological evaluation. Turner ML, et al. **JAMA** 1981 Jan 16; 245(3):275–7

[Zonographic diagnosis of diseases of the intervertebral cartilage in the light of our own research (author's transl)] Bryc S, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 1979;34:123–32 (Eng. Abstr.) **(Pol)**

[Radiculographic symptoms of changes in the adjacent intervertebral disks in the course of lumbar disk prolapse] Smereczyński A, et al. **Neurol Neurochir Pol** 1980 May–Jun;14(3):307–12 (Eng. Abstr.) **(Pol)**

RADIONUCLIDE IMAGING

Sacrococcygeal trauma. Shore RM, et al. **Clin Nucl Med** 1981 Mar;6(3):124–5

SURGERY

Sacral rhizotomy in cases of ano–coccygeal pain. A follow–up of 24 cases. Albrektsson B. **Acta Orthop Scand** 1981;52(2):187–90

Severe lumbosacral spondylolisthesis in adolescents and children. Reduction and staged circumferential fusion. DeWald RL, et al. **J Bone Joint Surg [Am]** 1981 Apr; 63A(4):619–26

Anterior sacral meningocele: two case reports and discussion of surgical approach. Smith HP, et al. **Neurosurgery** 1980 Jul;7(1):61–7

[A technique for reducing a severely displaced lumbosacral spondylolisthesis in children and adolescents (author's transl)] Padovani JP, et al. **Chirurgie** 1980;106(10):751–5 (Eng. Abstr.) **(Fre)**

SADISM

Depth psychological and cultural–ethological aspects in connection with alcoholism. Ringoet K. **Acta Psychiatr Belg** 1980 Mar–Apr;80(2):175–82

[Pedophilic activities with a sadistic and masochistic ceremonial (author's transl)] Topiař A, et al. **Cesk Psychiatr** 1980 Jun;76(3):194–6 (Eng. Abstr.) **(Cze)**

[The victim of torture and his torturer. Or psychological methods of torture] Rolland JC. **Acta Med Leg Soc (Liege)** 1980;30(1):27–32 **(Fre)**

SAFETY see under **ACCIDENT PREVENTION**

SAFETY DEVICES see **PROTECTIVE DEVICES**

SAFFLOWER OIL see under **OILS**

SAFROLE see under **DIOXOLES**

SAGUINUS see under **CALLITHRICIDAE**

SAIMIRI see under **CEBIDAE**

SALAMANDRA

ANATOMY & HISTOLOGY

Microperoxisomes and catalase peroxidatic activity in the pancreas of two amphibian species (Salamandra salamandra L. and Rana esculenta L.). Trandaburu T. **Acta Histochem (Jena)** 1980;66(1):135–45

Gut hormones in Salamandra salamandra. An immunocytochemical and electron microscopic investigation. Buchan AM, et al. **Cell Tissue Res** 1980; 211(2):331–43

The pattern of lateral–line afferents in urodeles. A horseradish–peroxidase study. Fritzsch B. **Cell Tissue Res** 1981;218(3):581–94

Retinal projections in European Salamandridae. Fritzsch B. **Cell Tissue Res** 1980;213(2):325–41

Intercellular junctions in the uterine epithelium of Salamandra salamandra (L.) (Amphibia, Urodela). A freeze–fracture study. Greven H, et al. **Cell Tissue Res** 1980;212(1):163–72

Orthogonal arrays of intramembranous particles in the basal plasma membranes of the epidermis of larval Salamandra salamandra (L.) (Amphibia, Urodela). Robenek H, et al. **J Ultrastruct Res** 1980 Jul;72(1):119–22

A peculiar mode of formation of the surface lining layer in the lungs of Salamandra salamandra. Goniakowska–Witalińska L. **Tissue Cell** 1980;12(3):539–46

Ultrastructural investigations of the epidermis and the gill epithelium in the intrauterine larvae of Salamandra salamandra (L.) (Amphibia, Urodela). Greven H. **Z Mikrosk Anat Forsch** 1980;94(2):196–208

[Light and electron microscopic studies of the structure and histochemistry of the oviduct epithelial cells (pars recta and pars convoluta I, II, III) in Salamandra salamandra (L.) (Amphibia, Urodela)] Greven H. **Z Mikrosk Anat Forsch** 1980;94(3):387–429 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Antagonistic maternal immune reactions (rejection and facilitation) to the embryo in the urodele amphibian Salamandra salamandra lin. Chateaureynaud P, et al. **J Reprod Immunol** 1979 Jan–Feb;1(1):47–60

METABOLISM

Ca and P concentrations of the urodele tooth as revealed by electron microprobe analysis. Clemen G, et al. **Anat Anz** 1980;148(5):422–7

Ultrahistochemical and autoradiographic evidence of epithelial transport in the uterus of the ovoviviparous salamander, Salamandra salamandra (L.) (Amphibia, Urodela). Greven H. **Cell Tissue Res** 1980;212(1):147–62

SALAMANDRIDAE

Testing of the fungicide maneb for carcinogenicity in two populations of the European crested newt. Zavanella T, et al. **Cancer Lett** 1980 Aug;10(2):109–16

A fatal poisoning from the Oregon rough–skinned newt (Taricha granulosa). Bradley SG, et al. **JAMA** 1981 Jul 17;246(3):247

[Tumour induction with alkyl–nitrosoureas in ribbed newts (Pleurodeles waltlii) (author's transl)] Jänisch W, et al. **Arch Geschwulstforsch** 1980;50(3):253–65 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Tight junctions in the ependyma of the spinal cord of the urodele Pleurodeles waltlii. Zamora AJ, et al. **Anat Embryol (Berl)** 1980;160(3):263–74

Actin paracrystal in the acrosome of newt sperm. Abe SI, et al. **Exp Cell Res** 1981 Apr;132(2):510–4

BLOOD

[Ultrastructure of the erythrocyte of the newt, Pleurodeles waltlii Michah] Sean KE, et al. **Can J Zool** 1980 Jun; 58(6):1193–9 (Eng. Abstr.) **(Fre)**

EMBRYOLOGY

Stimulating effect of the divalent cation ionophore A 23187 on in vitro neuroblast differentiation; comparative studies with myoblasts. Duprat AM, et al. **Experientia** 1981 Feb 15;37(2):154–8

Regions of the brain influencing the projection of developing optic tracts in the salamander. Harris WA. **J Comp Neurol** 1980 Nov 15;194(2):319–33

The effects of eliminating impulse activity on the development of the retinotectal projection in salamanders. Harris WA. **J Comp Neurol** 1980 Nov 15;194(2):303–17

GENETICS

[Quantitative analysis of adult morphology in eudiploids and three types of trisomics of Pleurodeles waltlii (Amphibia, Urodela) (author's transl)] Guillemin C, et al. **Ann Genet (Paris)** 1980;23(3):144–9 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

Development of amphibian thymus. I. Morphological differentiation, multiplication, migration and lysis of thymocytes in the urodele Pleurodeles waltlii. Henry M, et al. **J Embryol Exp Morphol** 1980 Jun;57:219–32

METABOLISM

comparative study of opiate and enkephalin receptors on lower vertebrates and higher vertebrates. Audigier Y, et al. **Comp Biochem Physiol [C]** 1980;67C(2):191–3

Iodine metabolism in the red–spotted newt studied with radioactive tracer and by radioimmunoassay. Dunn AD, et al. **Gen Comp Endocrinol** 1980 Sep;42(1):47–56

Somatostatin immunoreactive neurons and fibers in the hypothalamus of the newt. Fasolo A, et al. **Gen Comp Endocrinol** 1981 Jun;44(2):256–63

MICROBIOLOGY

Importation of salmonellae with aquarium species. Trust TJ, et al. **Can J Microbiol** 1981 May;27(5):500–4

PHYSIOLOGY

Nerve trophic effects: partial purification from chick embryo brains of proteins that stimulate protein synthesis in cultured newt blastemata. Choo AF, et al. **Exp Neurol** 1981 Aug;73(2):558–70

Partial purification and characterization of a nerve trophic factor regulating muscle acetylcholinesterase activity. Lentz TL, et al. **Exp Neurol** 1981 Aug;73(2):542–57

Annual cycle of plasma androgens and testicular composition in the rough–skinned newt, Taricha granulosa. Specker JL, et al. **Gen Comp Endocrinol** 1980 Nov;42(3):297–303

Hormonal regulation of nuptial pads and tail fins in the female red–spotted newt. Zimmer JA, et al. **Gen Comp Endocrinol** 1981 Aug;44(4):436–43

Endocrine control of amphibian sexual behavior: evidence for a neurohormone–androgen interaction. Moore FL, et al. **Horm Behav** 1979 Dec;13(3):207–13

Involvement of contractile proteins in the changes in consistency of oocyte nucleoplasm of the newt Pleurodeles waltlii. Gounon P, et al. **J Cell Biol** 1981 Feb;88(2):410–21

SALARIES AND FRINGE BENEFITS

Doctor's pay [editorial] **Br Med J [Clin Res]** 1981 May 23; 282(6277):1651–2

Milage payments for hospital doctors. Lowe M. **Br Med J [Clin Res]** 1981 Feb 28;282(6265):755–6

Placement incentives: will they lure doctors into underserviced areas? Rubin J. **Can Med Assoc J** 1981 May 15;124(10):1360, 1362, 1364, 1366

A salary survey of biomedical technical personnel. Botz CK. **Dimens Health Serv** 1981 Jan;58(1):19–21

Food co–op run by employee, dietary department volunteers. Ristino RJ. **Hospitals** 1981 Apr 16;55(8):89–92

Position paper on recommended salaries and employment practices for members of the American Dietetic Association. **J Am Diet Assoc** 1981 Jan;78(1):62–73

Factors of importance in determination of faculty salaries. Marriner A. **JNE** 1981 May;20(5):34–41

Beneficiaries affected by the annual earnings test in 1977. Lingg BA. **Soc Secur Bull** 1980 Dec;43(12):3–15

Keeping salaries secret: help or hindrance? Muhs WF. **VM SAC** 1980 Jun;75(6):1056–8

LEGISLATION & JURISPRUDENCE

Work force policy perspectives: registered nurses. Friss LO. **J Health Polit Policy Law** 1981 Winter;5(4):696–719

Compensation of key administrative employees. **Top Health Care Financ** 1980 Winter;7(2):59–67

TRENDS

Journal clubs and the cost of health care [editorial] Mason GR. **Am J Surg** 1980 Nov;140(5):589–90

Racial equity or racial equality. Daymont TN. **Demography** 1980 Nov;17(4):379–93

Work experience and earnings of middle–aged black and white men, 1965–71. Abbott J. **Soc Secur Bull** 1980 Dec; 43(12):16–34

Changing compensation patterns for hospital financial executives. Browdy JD. **Top Health Care Financ** 1980 Fall; 7(1):33–8

The evolution of CFO requirements. Dolan RC. **Top Health Care Financ** 1980 Fall;7(1):39–46

SALBUTAMOL see **ALBUTEROL**

SALICYLAMIDES

ADMINISTRATION & DOSAGE

[Increased effectiveness of high–dose salicylate cream by iontophoresis] Mayerhofer H. **ZFA (Stuttgart)** 1981 Mar 20;57(8):633–6 **(Ger)**

[Use of indomethacin and multifungin in oral mucosal diseases] Knychalska–Karwan Z, et al. **Czas Stomatol** 1981 Jan;34(1):97–9 (Eng. Abstr.) **(Pol)**

ANALYSIS

Rapid high–performance thin–layer chromatography of salicylic acid, salicylamide, ethoxybenzamide and paracetamol in saliva. Drehsen G, et al. **J Chromatogr** 1981 May 8;223(2):479–83

Spectrofluorometric determination of acetylsalicylic acid, salicylamide, and salicyclic acid as an impurity in pharmaceutical preparations. Street KW, et al. **J Pharm Sci** 1981 Jun;70(6):641–6

BLOOD

Determination of osalmid in plasma by high–performance liquid chromatography. Sadanaga T, et al. **J Chromatogr** 1981 Apr 10;223(1):243–6

[Determination of salicylamide in blood using direct injection HPLC] Ebel S, et al. **Arch Pharm (Weinheim)** 1980 Aug; 313(8):674–9 (Eng. Abstr.) **(Ger)**

CHEMICAL SYNTHESIS

[S–acyl derivatives of thiosalicylamides and their anti–fungal activity. IV] Montanari L, et al. **Farmaco [Sci]** 1979 Apr; 34(4):292–8 (Eng. Abstr.) **(Ita)**

[S–Acyl derivatives of thiosalicylamides with antifungal activity. III] Pavanetto F, et al. **Farmaco [Sci]** 1979 Jan; 34(1):36–40 (Eng. Abstr.) **(Ita)**

METABOLISM

Kinetic studies on the deethylation of ethoxybenzamide. A comparative study with isolated hepatocytes and liver microsomes of rat. Lin JH, et al. **Biochem Pharmacol** 1980 Oct 15;29(20):2825–30

Sulfoconjugation and glucuronidation of salicylamide in isolated rat hepatocytes. Koike M, et al. **J Pharm Sci** 1981 Mar;70(3):308–11

[Multiple–dose pharmacokinetics of paracetamol and salicylamide in man after combined rectal application (author's transl)] Liedtke R, et al. **Arzneimittelforsch** 1980; 30(8):1295–8 (Eng. Abstr.) **(Ger)**

PHARMACODYNAMICS

Trypanosoma brucei: host parasite interaction in parasite

destruction by salicylhydroxamic acid and glycerol in mice. Amole BO, et al. **Exp Parasitol** 1981 Feb;51(1):133–40

Salicylamide derivatives related to medroxalol with alpha- and beta-adrenergic antagonist and antihypertension activity. Grisar JM, et al. **J Med Chem** 1981 Mar; 24(3):327–36

Studies of the effect of diamphenethide and oxyclozanide on the metabolism of Fasciola hepatica. Edwards SR, et al. **Mol Biochem Parasitol** 1981 Apr;2(5–6):323–38

Metabolic studies on the new fasciolicidal drug, closantel. Kane HJ, et al. **Mol Biochem Parasitol** 1980 Oct;1(6):347–55

A field strain of Haemonchus contortus showing slight resistance to rafoxanide. Van Wyk JA, et al. **Onderstepoort J Vet Res** 1980 Sep;47(3):137–42

THERAPEUTIC USE

Pilot trials on the treatment of Dermatobia hominis infections in cattle with closantel. Chaia G, et al. **Am J Vet Res** 1981 Jul;42(7):1240–1

Anthelmintic activity of closantel against benzimidazole resistant strains of Haemonchus contortus and Trichostrongylus colubriformis in sheep [letter] Hall CA, et al. **Aust Vet J** 1980 Sep;56(9):461–2

A potent new salicylanilide effective against Fasciola hepatica. Coles GC, et al. **Res Vet Sci** 1980 Mar;28(2):263

Efficacy of a tribromosalan and parbendazole composition against adult Fasciola hepatica in sheep. Cruthers LR, et al. **Res Vet Sci** 1981 Jan;30(1):122–3

Pleomorphism and the problem of recrudescent parasitaemia following treatment with salicylhydroxamic acid (SHAM) in African trypanosomiasis. Evans DA, et al. **Trans R Soc Trop Med Hyg** 1980;74(5):601–4

Effect of anthelmintic treatment on the performance of Awassi sheep in Iraq. Altaif KI. **Trop Anim Health Prod** 1979 Nov;11(4):241–5

Pitfalls of salicylhydroxamic acid plus glycerol treatment of T. vivax infected goats. van der Meer C, et al. **Tropenmed Parasitol** 1980 Sep;31(3):275–82

SALICYLANILIDES see under **SALICYLAMIDES**

SALICYLATES

ADMINISTRATION & DOSAGE

Dermal copper drugs: the copper bracelet and cu(II) salicylate complexes. Walker WR, et al. **Agents Actions [Suppl]** 1981;8:359–67

Anti-inflammatory activity of copper salicylates applied to rats percutaneously in dimethyl sulphoxide with glycerol. Beveridge SJ, et al. **J Pharm Pharmacol** 1980 Jun; 32(6):425–7

Intravenous salicylates for postoperative pain [letter] Dundee JW, et al. **Lancet** 1981 Jan 17;1(8212):154

A double-blind study of benorylate and chlormezanone in musculoskeletal disease. Berry H, et al. **Rheumatol Rehabil** 1981 Feb 1;20(1):46–9

[Increased effectiveness of high-dose salicylate cream by iontophoresis] Mayerhofer H. **ZFA (Stuttgart)** 1981 Mar 20;57(8):633–6 **(Ger)**

ADVERSE EFFECTS

Warning against products containing bismuth subsalicylate [letter] Henderson IW. **Can Med Assoc J** 1980 Nov 8; 123(9):848

A 16-day-old breast-fed infant with metabolic acidosis caused by salicylate. Clark JH, et al. **Clin Pediatr (Phila)** 1981 Jan;20(1):53–4

Prevalence of liver disease in patients taking salicylates for arthropathy. Carneskog J, et al. **Hepatogastroenterology** 1980 Oct;27(5):361–4

Salicylate hepatotoxicity: the potential role of hypoalbuminemia. Gitlin N. **J Clin Gastroenterol** 1980 Sep; 2(3):281–5

Maternal drug ingestion and cyclopia [letter] Mollica F, et al. **J Pediatr** 1981 Apr;98(4):680

Bismuth preparations for diarrhea [letter] **JAMA** 1980 Sep 26;244(13):1435–6

Salicylate hepatotoxicity in rheumatoid arthritis [letter] Mastaglia GL. **Med J Aust** 1980 Sep 20;2(6):341

Choline magnesium trisalicylate does not impair platelet aggregation. Stuart JJ, et al. **Pharmatherapeutica** 1981; 2(8):547–51

ANALYSIS

Simultaneous GLC analysis of aspirin and nonaspirin salicylates in pharmaceutical tablet formulations. Galante RN, et al. **J Pharm Sci** 1981 Feb;70(2):167–9

BLOOD

An automated salicylate method utilizing an American Monitor KDA. Higgins T. **Clin Biochem** 1980 Jun; 13(3):139–40

Salicylate mimicking an abnormal CK-isoenzyme [letter] McCoy MT, et al. **Clin Chem** 1981 Sep;27(9):1622–3

Misleading results in cases of coexisting acetaminophen and salicylate overdose [letter] Rosenbaum JM, et al. **Clin Chem** 1980 Apr;26(5):673–4

Monitoring plasma concentrations of salicylate. Mandelli M, et al. **Clin Pharmacokinet** 1980 Sep–Oct;5(5):424–40

Serum protein binding of salicylate during pregnancy and the puerperium. Lovecchio JL, et al. **Dev Pharmacol Ther** 1981;2(3):172–9

Comparative plasma salicylate and urine salicylurate levels following administration of aspirin, magnesium salicylate, and choline magnesium trisalicylate. Mason WD. **J Pharm Sci** 1980 Nov;69(11):1355–6

[The value of serum salicylate determination in patients with rheumatoid arthritis (author's transl)] Lan JL, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1980 Mar;13(1):27–32 (Eng. Abstr.) **(Chi)**

[Salicylate blood levels after gastrointestinal haemorrhage (author's transl)] Royer RJ, et al. **Therapie** 1980 May–Jun; 35(3):419–21 (Eng. Abstr.) **(Fre)**

[Salicylate binding to serum of old rats (author's transl)] Sallingová Z, et al. **Bratisl Lek Listy** 1980 Sep;74(3):315–20 (Eng. Abstr.) **(Slo)**

CHEMICAL SYNTHESIS

Theophylline magnesium salicylate, a new xanthine compound. Barry RH, et al. **J Pharm Sci** 1981 Feb; 70(2):204–7

METABOLISM

Bio-distribution in rats of some salicylates with low gastric ulcerogenicity. Rainsford KD, et al. **Agents Actions** 1980 Nov;10(5):457–64

Clinical isolate of Pseudomonas aeruginosa that degrades salicylate by the ortho pathway. Ohta S, et al. **Appl Environ Microbiol** 1981 Jan;41(1):312–4

Clinical pharmacokinetics of salicylates: a re-assessment. Levy G. **Br J Clin Pharmacol** 1980 Oct;10 Suppl 2:285S–290S

Salicylate metabolite kinetics after several salicylates. Bochner F, et al. **Clin Pharmacol Ther** 1981 Aug; 30(2):266–75

Salicylate absorption from a bismuth subsalicylate preparation. Feldman S, et al. **Clin Pharmacol Ther** 1981 Jun;29(6):788–92

Characterization of salicylate binding to synovial fluid and plasma protein in patients with rheumatoid arthritis. Trnavská Z, et al. **Eur J Clin Pharmacol** 1980 Nov; 18(5):403–6

Improved delivery through biological membranes XD: Percutaneous absorption and metabolism of methylsulfinylmethyl 2-acetoxybenzoate and related aspirin prodrugs. Loftsson T, et al. **J Pharm Sci** 1981 Jul; 70(7):756–8

Improved delivery through biological membranes IX: Kinetics and mechanism of hydrolysis of methylsulfinymethyl 2-acetoxybenzoate and related aspirin prodrugs. Loftsson T, et al. **J Pharm Sci** 1981 Jul; 70(7):750–5

Comparative plasma salicylate and urine salicylurate levels following administration of aspirin, magnesium salicylate, and choline magnesium trisalicylate. Mason WD. **J Pharm Sci** 1980 Nov;69(11):1355–6

Active transport of salicylate by rat jejunum. Fisher RB. **Q J Exp Physiol** 1981 Apr;66(2):91–8

[Plasmid characteristics of naphthalene and salicylate biodegradation in Pseudomonas putida] Zakharian RA, et al. **Mikrobiologiia** 1980 Nov–Dec;49(6):931–5 (Eng. Abstr.) **(Rus)**

[Comparison of pharmacokinetics of some salicylates (author's transl)] Trnavský K, et al. **Bratisl Lek Listy** 1981; 75(5):538–49 (Eng. Abstr.) **(Slo)**

PHARMACODYNAMICS

Salicylates: molecular mechanism of therapeutic action. Atkinson DC, et al. **Adv Pharmacol Chemother** 1980; 17:233–88 (338 ref.)

Pharmacology of human spontaneous monocyte-mediated cytotoxicity. I. Enhancement by salicylates and steroids. Kleinerman ES, et al. **Arthritis Rheum** 1981 Jun; 24(6):774–80

Pharmacological study of 2-phosphonoxybenzoic acid (fosfosal), a new analgesic drug. Rafanell JG, et al. **Arzneimittelforsch** 1980;30(7):1091–8

Studies on the effect of phenylbutazone and salicylate on the rates of synthesis of albumin and acute-phase alpha 1-acid glycoprotein by rat liver slices. Jamieson JC, et al. **Biochem Med** 1980 Jun;23(3):293–301

Effects of salicylate-copper complex on the metabolic activation in phagocytizing granulocytes. Auclair C, et al. **Biochem Pharmacol** 1980 Nov 15;29(22):3105–9

Further studies on the actions of salicylates on nerve membranes. Riccioppo Neto F. **Eur J Pharmacol** 1980 Nov 21;68(2):155–62

Elution of fibronectin from collagen with chaotrophic agents. Klebe RJ, et al. **Exp Cell Res** 1980 Nov;130(1):111–7

'In vivo' effects of acetylsalicylic acid and two ether derived compounds on primary immune response and lymphoblastic transformation. Barasoain I, et al. **Immunopharmacology** 1980 Dec;2(4):293–300

Studies on glucose tolerance during fat mobilization: influence of heparin & salicylate. Belsare SD. **Indian J Exp Biol** 1981 Jan;19(1):88–9

The effect of certain variables on the tumor and tissue distribution of tracers. III. Salicylates and vasoactive drugs. Halpern SE, et al. **Invest Radiol** 1981 Mar–Apr;16(2):120–5

On the mechanism of salicylate-induced hypothrombinaemia. Park BK, et al. **J Pharm Pharmacol** 1981 Jan;33(1):25–8

Enhancement of rectal absorption of drugs by adjuvants. Nishihata T, et al. **J Pharm Sci** 1980 Jun;69(6):744–5

Effects of salicylate on rectal absorption of theophylline. Nishihata T, et al. **J Pharm Sci** 1981 Jan;70(1):71–5

Modification of urinary elimination of doping agents by simultaneous ingestion of acidic molecules. Bertol E, et al. **J Sports Med Phys Fitness** 1980 Dec;20(4):383–6

Salicylate-induced teratogenesis in the ferret. Gulamhusein AP, et al. **Life Sci** 1980 Nov 10;27(19):1799–805

The inhibitory effects of sodium salicylate on synthesis of factor VII by the perfused rat liver. Owens MR, et al. **Thromb Res** 1980 Jun 15;18(6):839–45

Chronic effects of some drugs on histopathology and lipid content of liver in rabbits. Belsare SD. **Z Tierphysiol Tierernaehr Futtermittelkd** 1981; 45(5):245–51

POISONING

Acute respiratory failure during therapy for salicylate intoxication. Zimmerman GA, et al. **Ann Emerg Med** 1981 Feb;10(2):104–6

Asterixis as a manifestation of salicylate toxicity. Anderson RJ. **Ann Intern Med** 1981 Aug;95(2):188–9

Extracorporeal treatment of salicylate or acetaminophen poisoning--is there a role? Winchester JF, et al. **Arch Intern Med** 1981 Feb 23;141(3 Spec No):370–4 (36 ref.)

Adult salicylate intoxication. Conrad KA. **Ariz Med** 1980 Dec;37(12):854–6

Salicylate toxicity following therapeutic doses in young children. Snodgrass W, et al. **Clin Toxicol** 1981;18(3):247–59

THERAPEUTIC USE

Compliance with salicylate therapy in adolescents with juvenile rheumatoid arthritis. Litt IF, et al. **Am J Dis Child** 1981 May;135(5):434–6

The treatment of osteomyelitis of the tibia with sodium salicylate. An experimental study in rabbits. Dekel S, et al. **J Bone Joint Surg [Br]** 1981 Aug;63-B(2):178–84

The simultaneous assessment of four nonsteroidal antiinflammatory drugs in rheumatoid arthritis using a simple and rapid trial design. Australasia Multicentre Trial Group. **J Rheumatol** 1980 Nov–Dec;7(6):857–64

Traveler's diarrhea in the Mediterranean basin. Stek M Jr. **Milit Med** 1980 Sep;145(9):628–9

[Antipyretic effects of lysinsalicylate VUFB (author's transl)] Maturová E, et al. **Cas Lek Cesk** 1980 Jul 8; 119(31–32):858–60 (Eng. Abstr.) **(Cze)**

[An external antirheumatic drug under examination--possibilities and limits of a clinical trial] Brockmann P, et al. **Med Welt** 1980 Nov 7;31(45):1642–5 **(Ger)**

[Copper salicylate in rheumatoid arthritis and rheumatism--like degenerative diseases] Hangarter W. **Med Welt** 1980 Nov 7;31(45):1625–8 **(Ger)**

[Clinical evaluation of the effectiveness of benorilate in rheumatoid arthritis in children] Melikhova NI, et al. **Pediatriia** 1980;(9):52–3 (Eng. Abstr.) **(Rus)**

[Clinico-biological evaluation of the effect of Triflusal in arteriosclerotic patients with a high risk of thrombosis. A long-term study] Sala-Planell E, et al. **Angiologia** 1981 Mar–Apr;33(2):71–8 (Eng. Abstr.) **(Spa)**

[Comparative double-blind study of the analgesic activity of fosfosal (UR-1521) in patients with musculoskeletal and articular pain (author's transl)] Madera Cat L, et al. **Med Clin (Barc)** 1981 Jan 10;76(1):18–22 (Eng. Abstr.) **(Spa)**

TOXICITY

Anti-inflammatory/anti-pyretic salicylic acid esters with low gastric ulcerogenic activity. Rainsford KD, et al. **Agents Actions** 1980 Nov;10(5):451–6

Acute, subacute and chronic toxicity of fosfosal. Sánchez MS, et al. **Arzneimittelforsch** 1980;30(7):1098–101

Reye's syndrome and salicylate use. Starko KM, et al. **Pediatrics** 1980 Dec;66(6):859–64

Teratology study in the mouse using a prostaglandin and a prostaglandin synthetase inhibitor. Marsk L. **Toxicol Lett** 1980 Oct;6(6):423–6

SALICYLAZOSULFAPYRIDINE

Sulfasalazine interferes with coulometry of serum iron [letter] Jaynes P, et al. **Clin Chem** 1981 Jan;27(1):202–3

ADMINISTRATION & DOSAGE

Sulphasalazine retention enemas in ulcerative colitis: a double-blind trial. Palmer KR, et al. **Br Med J [Clin Res]** 1981 May 16;282(6276):1571–3

Sulphasalazine retention enemas in ulcerative colitis [letter] Serebro HA, et al. **Br Med J [Clin Res]** 1981 Jul 11; 283(6248):144–5

On the efficacy of ready-made-up commercially available salicylazosulphapyridine enemas in the treatment of proctitis, proctosigmoiditis and ulcerative colitis involving rectum, sigmoid and descending colon. Frühmorgen P, et al. **Hepatogastroenterology** 1980 Dec;27(6):473–6

[Crohn's disease with predominant lesions in the colon. Prospective long term study of a treatment combining corticosteroids and sulfasalazine with or without azathioprine (author's transl)] Fiasse R, et al.

Acta Gastroenterol Belg 1980 Sep–Oct;43(9–10):410–28 (Eng. Abstr.) **(Fre)**

[Sulfasalazine enema in acute left-sided ulcerative colitis (author's transl)] Frimberger E, et al. **MMW** 1980 Sep 5; 122(36):1233–5 (Eng. Abstr.) **(Ger)**

[The effectiveness of packaged salicylazosulfapyridine (Azulfidine)-enema in proctitis, proto-sigmoiditis and left-sided colitis] Frühmorgen P. **Z Gastroenterol [Verh]** 1981 Jun;19:36–7 **(Ger)**

ADVERSE EFFECTS

Azulfidine-induced oligospermia. Collen MJ. **Am J Gastroenterol** 1980 Nov;74(5):441–2

Possible embryotoxicity of sulfasalazine [letter] Craxi A, et al. **Arch Intern Med** 1980 Dec;140(12):1674

Pregnancy in inflammatory bowel disease: effect of sulfasalazine and corticosteroids on fetal outcome. Mogadam M, et al. **Gastroenterology** 1981 Jan;80(1):72–6

Incidence of sulphasalazine-induced male infertility. Birnie GG, et al. **Gut** 1981 Jun;22(6):452–5

Role of sulphasalazine in the aetiology of folate deficiency in ulcerative colitis. Swinson CM, et al. **Gut** 1981 Jun; 22(6):456–61

Sulphasalazine and male infertility: reversibility and possible mechanism. Toovey S, et al. **Gut** 1981 Jun;22(6):445–51

Reversible sulfasalazine-induced granulomatous hepatitis. Namias A, et al. **J Clin Gastroenterol** 1981 Jun;3(2):193–8

Sulphasalazine-induced systemic lupus erythematosus in a patient with Sjögren's syndrome. Crisp AJ, et al. **J R Soc Med** 1980 Jan;73(1):60–1

Toxic epidermal necrolysis, agranulocytosis and erythroid hypoplasia associated with sulphasalazine. Maddocks JL, et al. **J R Soc Med** 1980 Aug;73(8):587–8

Infertility from sulfasalazine seems only temporary [news] Kangilaski J. **JAMA** 1981 Jul 24–31;246(4):323

Drug-dependent binding of circulating antibodies in drug-induced toxic epidermal necrolysis [letter] Hensen EJ, et al. **Lancet** 1981 Jul 18;2(8238):151–2

[Drug-induced eosinophilia in 2 cases of ulcerative colitis] Matov V, et al. **Vutr Boles** 1981;20(1):103–7 (Eng. Abstr.) **(Bul)**

[Salazosulfapyridine-induced lung disease] da Cunha Bang F, et al. **Ugeskr Laeger** 1980 Sep 22;142(39):2560–1 (Eng. Abstr.) **(Dan)**

[Male infertility during treatment with salazosulfapyridine] Boëtius G, et al. **Ned Tijdschr Geneeskd** 1980 Oct 25; 124(43):1835–6 (Eng. Abstr.) **(Dut)**

[Anomalies of the spermogram and sterility caused by salazopyrine (letter)] Soule JC, et al. **Nouv Presse Med** 1981 May 2;10(20):1655–6 **(Fre)**

[Colitis and drug-induced lupus: the role of salazopyrine] Rouleau L, et al. **Union Med Can** 1980 Sep;109(9):1326–30 (Eng. Abstr.) **(Fre)**

[Salazosulfapyridine in pregnancy?] Fahrländer H. **Dtsch Med Wochenschr** 1980 Dec 12;105(50):1729–31 **(Ger)**

[Side effects of salicylazosulfapyridine therapy] Miller B. **Dtsch Med Wochenschr** 1980 Nov 14;105(46):1596–7 **(Ger)**

[Salazosulfapyridine (azulfidine)—effects and side effects] Bläker F. **Monatsschr Kinderheilkd** 1981 Mar;129(3):182 **(Ger)**

[The effect of salazosulfapyridine on fertility] Malchow H. **Z Gastroenterol [Verh]** 1981 Jun;19:21–3 **(Ger)**

[Hematologic side-effects of sulfasalazine] Miller B. **Z Gastroenterol [Verh]** 1981 Jun;19:29–32 **(Ger)**

ANALOGS & DERIVATIVES

[Trial of salazopyridazine for carcinogenic activity] Shipovskaia LA, et al. **Vopr Onkol** 1981;27(5):89 **(Rus)**

BLOOD

Circulating levels of sulphasalazine and its metabolites and their relation to the clinical efficacy of the drug in ulcerative colitis. Azad Khan AK, et al. **Gut** 1980 Aug; 21(8):706–10

[Appearance of sulfasalazine and sulfapyridine in breast milk and in the placental barrier as well as the effect of both substances on bilirubin binding to albumin] Järnerot G. **Z Gastroenterol [Verh]** 1981 Jun;19:27–8 **(Ger)**

IMMUNOLOGY

Sulphasalazine desensitisation. Holdsworth CD. **Br Med J [Clin Res]** 1981 Jan 10;282(6258):110

METABOLISM

Disposition of salicylazosulfapyridine (Azulfidine) and metabolites in human breast milk. Berlin CM Jr, et al. **Dev Pharmacol Ther** 1980;1(1):31–9

[Pharmacokinetics of Azulfidine/Salazopyrin in healthy humans and in patients with chronic inflammatory bowel diseases] Van Hees PA. **Z Gastroenterol [Verh]** 1981 Jun; 19:7–14 **(Ger)**

PHARMACODYNAMICS

Human jejunal brush border folate conjugase. Characteristics and inhibition by salicylazosulfapyridine. Reisenauer AM, et al. **Biochim Biophys Acta** 1981 May 14;659(1):62–9

Effects of sulphasalazine on prostaglandin inactivation and synthesis in isolated lungs of guinea pig, rat and man. Bakhle YS. **Eur J Pharmacol** 1980 Dec 19;68(4):493–6

Enhanced thromboxane A2 and prostacyclin production by cultured rectal mucosa in ulcerative colitis and its inhibition by steroids and sulfasalazine. Ligumsky M, et al. **Gastroenterology** 1981 Sep;81(3):444–9

Antifolate actions of sulfasalazine on intact lymphocytes. Baum CL, et al. **J Lab Clin Med** 1981 Jun;97(6):779–84

5-Aminosalicylic acid, a co-factor for colonic prostacyclin synthesis? [letter] Hoult JR, et al. **Lancet** 1981 Aug 1; 2(8240):255

THERAPEUTIC USE

Sulfasalazine, IBD, and pregnancy [letter] Gluckmann RF. **Gastroenterology** 1981 Jul;81(1):194

Effect of sulphapyridine, 5-aminosalicylic acid, and placebo in patients with idiopathic proctitis: a study to determine the active therapeutic moiety of sulphasalazine. van Hees PA, et al. **Gut** 1980 Jul;21(7):632–5

Effect of sulphasalazine in patients with active Crohn's disease: a controlled double-blind study. Van Hees PA, et al. **Gut** 1981 May;22(5):404–9

The comparative prophylactic effects of sulphasalazine, prednisolone and azathioprine in experimental colonic ulceration. Watt J, et al. **J Pharm Pharmacol** 1980 Dec; 32(12):873–4

Therapeutic efficacy of sulfasalazine and its metabolites in patients with ulcerative colitis and Crohn's disease. Klotz U, et al. **N Engl J Med** 1980 Dec 25;303(26):1499–502

Studies of prostaglandins and sulphasalazine in ulcerative colitis. Gould SR, et al. **Prostaglandins Med** 1981 Feb; 6(2):165–82

The effect of sulphasalazine withdrawal on rectal mucosal function and prostaglandin E2 release in inactive ulcerative colitis. Rampton DS, et al. **Scand J Gastroenterol** 1981; 16(1):157–9

[Acute peri-myocarditis in ulcerative colitis] Seitz R, et al. **Internist (Berlin)** 1980 Dec;21(12):760–3 **(Ger)**

[Possible mechanism of action of Azulfidine/Salazopyrin] Campbell DE. **Z Gastroenterol [Verh]** 1981 Jun;19:15–20 **(Ger)**

[Effectiveness of Azulfidine/Salazopyrin in the postoperative prevention of recurrence in Crohn disease] Ewe K. **Z Gastroenterol [Verh]** 1981 Jun;19:41–4 **(Ger)**

[Azulfidine/Salazopyrin therapy during pregnancy] Fahrländer H. **Z Gastroenterol [Verh]** 1981 Jun;19:24–6 **(Ger)**

[Further controlled studies on the effectiveness of salazosulfapyridine in the treatment of Crohn disease] Malchow H. **Z Gastroenterol [Verh]** 1981 Jun;19:45–9 **(Ger)**

[Results of treatment with sulfasalazine in the American Multicenter Study on the treatment of Crohn disease (National Cooperative Crohn's Disease Study)] Singleton JW. **Z Gastroenterol [Verh]** 1981 Jun;19:38–40 **(Ger)**

[Oral therapy with Azulfidine/Salazopyrin in ulcerative colitis] Truelove SC. **Z Gastroenterol [Verh]** 1981 Jun; 19:33–5 **(Ger)**

[Use of a chronomulticorticoid in the therapy of ulcerous rectocolitis] Gaia E, et al. **Clin Ter** 1979 Aug 15;90(3):233–9 (Eng. Abstr.) **(Ita)**

[Evaluation of the results of radical surgical treatment of Crohn disease as related to a diversified postoperative treatment] Morettini A, et al. **Recenti Prog Med** 1981 Jun; 70(6):669–73 (Eng. Abstr.) **(Ita)**

SALICYLIC ACIDS

Sulfosalicylic acid as an extraction agent for vitamin B6 in food. Vanderslice JT, et al. **J Agric Food Chem** 1980 Nov-Dec;28(6):1145–9

Ascorbic acid, dietary restriction and upper respiratory tract infection [letter] Holborow PL. **Med J Aust** 1980 May 17; 1(10):502

Nitrogen mustard in skin ointment and Psorin [letter] Wallace B. **Med J Aust** 1980 Sep 6;2(5):280–1

Fendosal [letter] Lassman HB, et al. **N Engl J Med** 1981 Feb 26;304(9):546

[Conditions of manufacture of 10% salicylic acid ointment in Vaseline which is effective for 6 months] Gruntová Z, et al. **Cesk Farm** 1979 Dec;28(9–10):387–90 (Eng. Abstr.) **(Slo)**

ADMINISTRATION & DOSAGE

Influencing of resorption and side-effects of salicylic acid by complexing with beta-cyclodextrin. Szejtli J, et al. **Pharmazie** 1981 Apr;36(4):283–6

[Use of indomethacin and multifungin in oral mucosal diseases] Knychalska-Karwan Z, et al. **Czas Stomatol** 1981 Jan;34(1):97–9 (Eng. Abstr.) **(Pol)**

ADVERSE EFFECTS

Yellow stained skin from dinitro-salicylic acid. Fregert S, et al. **Contact Dermatitis** 1980 Aug;6(5):362

[Diflunisal and gastrointestinal hemorrhage] **Lakartidningen** 1980 Dec 24;77(52):4975 **(Swe)**

ANALYSIS

Rapid high-performance thin-layer chromatography of salicylic acid, salicylamide, ethoxybenzamide and paracetamol in saliva. Drehsen G, et al. **J Chromatogr** 1981 May 8;223(2):479–83

Salicylic acid in aspirin formulations [letter] Ali SL. **J Pharm Sci** 1980 Oct;69(10):1V

High-pressure liquid chromatographic determination of salicylsalicylic acid, aspirin, and salicylic acid in human plasma and urine. Harrison LI, et al. **J Pharm Sci** 1980 Nov;69(11):1268–71

Simultaneous determination of aspirin and salicylic acid in bulk aspirin and in plain, buffered, and enteric-coated tablets by high-pressure liquid chromatography with UV and fluorescence detectors. Kirchhoefer RD. **J Pharm Sci** 1980 Oct;69(10):1188–91

High-pressure liquid chromatography analysis of salicylic acid, salicyluric acid, and gentisic acid in biological matrixes. Maulding DL, et al. **J Pharm Sci** 1980 Oct; 69(10):1224–6

Spectrofluorometric determination of acetylsalicylic acid, salicylamide, and salicyclic acid as an impurity in pharmaceutical preparations. Street KW, et al. **J Pharm Sci** 1981 Jun;70(6):641–6

Excretion of salicylic acid into tears following oral administration of aspirin. Valentic JP, et al. **Ophthalmology (Rochester)** 1980 Aug;87(8):815–20

BLOOD

Effect of free fatty acids on the binding of salicylic acid to bovine serum albumin. Kaneo Y, et al. **Acta Pharm Suec** 1980;17(4):224–31

Rapid fluorimetric procedure for the analysis of fendosal in plasma and data following oral dosing. Hill HM, et al. **Biopharm Drug Dispos** 1980 Jan–Mar;1(3):97–102

Sublimation losses of salicylic acid from plasma during analysis [letter] Goehl TJ, et al. **Clin Chem** 1981 May; 27(5):776

Interlaboratory salicylate variability. Mutchie KD, et al. **J Rheumatol** 1980 Sep–Oct;7(5):737–40

Total and free salicylate concentrations in juvenile rheumatoid arthritis. Poe TE, et al. **J Rheumatol** 1980 Sep–Oct;7(5):717–23

METABOLISM

Failure of alkaline diuresis to enhance diflunisal elimination. Balali-Mood M, et al. **Br J Clin Pharmacol** 1980 Aug; 10(2):163–5

Decreased clearance of diflunisal in renal insufficiency--an alternative explanation [letter] Faed EM. **Br J Clin Pharmacol** 1980 Aug;10(2):185–6

Serum protein binding and salivary secretion of salicylic acid in man. Kaneo Y, et al. **Chem Pharm Bull (Tokyo)** 1980; 28(4):1251–7

Absorption of salicylic acid through the oral mucous membrane of hamster cheek pouch. Tanaka M, et al. **Chem Pharm Bull (Tokyo)** 1980;28(4):1056–61

Metabolism of salicylic acid in the isolated perfused rat kidney. Interconversion of salicyluric and salicyclic acids. Bekersky I, et al. **Drug Metab Dispos** 1980 Sep–Oct; 8(5):319–24

The disposition and metabolism of 5-(4,5-dihydro-2-phenylbenz[e]indol-3-yl)salicylic acid (fendosal) in the rat, mouse, rabbit, do, rhesus monkey, and man. Warrander A, et al. **Drug Metab Dispos** 1981 Mar–Apr;9(2):161–7

Kinetics of aspirin, salicylic acid, and salicyluric acid following oral administration of aspirin as a tablet and two buffered solutions. Mason WD, et al. **J Pharm Sci** 1981 Mar;70(3):262–5

Effect of sodium oleate on salicylic acid binding to human serum albumin. Schwartz PA, et al. **J Pharm Sci** 1980 Nov; 69(11):1345–8

[Effects of phenylbutazone on the plasma protein binding, plasma concentration and urinary excretion of salicylic acid in rabbits (author's transl)] Kaneo Y, et al. **Yakugaku Zasshi** 1980 Jul;100(7):725–31 (Eng. Abstr.) **(Jpn)**

PHARMACODYNAMICS

The anti-inflammatory activity of marine natural products—6-n-tridecylsalicylic acid, flexibilide and dendalone 3-hydroxybutyrate. Buckle PJ, et al. **Agents Actions** 1980 Sep;10(4):361–7

Lack of platelet effect with the aspirin analog, salsalate. Estes D, et al. **Arthritis Rheum** 1980 Nov;23(11):1303–7

Detection of the action of salicylic acid on the normal stratum corneum. Roberts DL, et al. **Br J Dermatol** 1980 Aug; 103(2):191–6

Interaction between diflunisal and warfarin. Serlin MJ, et al. **Clin Pharmacol Ther** 1980 Oct;28(4):493–8

The inhibitory effect of methylenedisalicylic acid on the attachment of ribosomes to microsomal membranes in vitro. Aporti G, et al. **FEBS Lett** 1980 Jul 11;116(1):95–8

Platelet function and fibrinolytic activity after a single dose of diflunisal (Donobid). Stenbjerg S, et al. **Int J Oral Surg** 1980 Dec;9(6):472–6

The reaction of 4-iodoacetamidosalicylic acid with TPN-dependent isocitrate dehydrogenase from pig heart. Bacon CR, et al. **J Biol Chem** 1981 Jul 10;256(13):6593–9

Effects of aspirin and related drugs in vitamin E-deficient rats. Machlin LJ, et al. **J Nutr** 1980 Oct;110(10):1958–64

Salicylic acid inhibition of the irreversible effect of acetylsalicyclic aicd on prostaglandin synthetase may be due to competition for the enzyme cationic binding site. Peterson DA, et al. **Prostaglandins Med** 1981 Feb;

6(2):161–4
Salicylic acid failed to increase the efficacy of Ca–DTPA in the decorporation of plutonium and americium. Jones CW, et al. **Radiat Res** 1980 Oct;84(1):149–51
[Effect of salicylic acid and finely divided sulfur on the bioavailability of corticosteroids in the skin in external therapy] Gloor M, et al. **Z Hautkr** 1980 Sep 1; 55(17):1105–15 (Eng. Abstr.) **(Ger)**
[Reduced ulcerogenic effect after treatment with indomethacin combined with diflunisal in rats] Conti P, et al. **Boll Soc Ital Biol Sper** 1980 Apr 30;56(8):833–8 (Eng. Abstr.) **(Ita)**
[Calcium content of KMnO4 induced granuloma after treatment with 2 combined non-steroidal drugs: indomethacin plus diflunisal] Continenza MA, et al. **Boll Soc Ital Biol Sper** 1980 Apr 30;56(8):839–45 (Eng. Abstr.) **(Ita)**

THERAPEUTIC USE

Salsalate: its role in the management of rheumatic disease. Singleton PT Jr. **Clin Ther** 1980;3(2):80–102
Single-blind study of diflunisal versus mefenamic acid in the treatment of pain after Colles' fracture. Barrington R. **Curr Med Res Opin** 1980;6(9):630–3
Long-term management of rheumatoid arthritis with disalcid. Fazarinc F, et al. **J Int Med Res** 1980;8(5):339–42
Antitumor effect of a copper coordination compound with superoxide dismutase-like activity. Leuthauser SW, et al. **JNCI** 1981 Jun;66(6):1077–81
The efficacy and tolerability of diflunisal and ASA in the relief of postoperative pain in oral surgery. Ihalainen U, et al. **Proc Finn Dent Soc** 1980;76(5–6):262–6
Rational approaches to chemotherapy: antisickling agents. Klotz IM, et al. **Science** 1981 Aug 14;213(4509):724–31
Palliative treatment of geographic tongue. Henricsson V, et al. **Swed Dent J** 1980;4(4):129–34
[Diflunisal in rheumatoid arthritis. A double-blind therapeutical study report (author's transl)] Trnavský K, et al. **Cas Lek Cesk** 1981 May 14;120(19):582–5 (Eng. Abstr.) **(Cze)**
[Gingivitis-and plaque-inhibiting action of Pyralvex Berna and its components] Renggli H. **SSO** 1980 Aug; 90(8):718–24 (Eng. Abstr.) **(Ger)**
[Comparison of the efficacy of diflunisal and acetylsalicylic acid in rheumatoid arthritis (author's transl)] Fasching U. **Wien Med Wochenschr** 1981 Feb 15;131(3):82–6 (Eng. Abstr.) **(Ger)**
[Percutaneous anti-traumatic drugs. Practical experiences] Göbel D, et al. **ZFA (Stuttgart)** 1980 Apr 10;56(10):732–5 **(Ger)**
['Granuloma pouch' reduction after treatment with indomethacin and diflunisal and collateral effects of these drugs on gastric mucosa] Conti P, et al. **Boll Soc Ital Biol Sper** 1980 Jun 30;56(12):1304–9 (Eng. Abstr.) **(Ita)**

TOXICITY

Decreased ulcerogenic effect of indomethacin in the rat when given in association with diflunisal. Conti P, et al. **J Pathol** 1980 Aug;131(4):357–61

SALIENTIA see **ANURA**

SALINE see **SODIUM CHLORIDE**

SALINE FRAGILITY see **OSMOTIC FRAGILITY**

SALINE SOLUTION, HYPERTONIC see under **SODIUM CHLORIDE**

SALIVA

A new method of collecting saliva from human palatine glands for electrophoretic study. Shiba A, et al. **Arch Oral Biol** 1980;25(7):503–4
A modified appliance for the collection of human submandibular and sublingual salivas. Stephen KW, et al. **Arch Oral Biol** 1978;23(9):835–7
Differences in the adsorptive behavior of human strains of Actinomyces viscosus and Actinomyces naeslundii to saliva-treated hydroxyapatite surfaces. Qureshi JV, et al. **Infect Immun** 1981 Jan;31(1):261–6
Treatment of xerostomia: a double-blind trial in 108 patients with Sjögren's syndrome. Klestov AC, et al. **Oral Surg** 1981 Jun;51(6):594–9
Dentures as artificial saliva reservoirs in the irradiated edentulous cancer patient with xerostomia: a pilot study. Vergo TJ Jr, et al. **Oral Surg** 1981 Mar;51(3):229–33
Saliva from patients with cystic fibrosis inhibits amiloride-sensitive sodium transport. Will PC, et al. **Pediatr Res** 1980 Nov;14(11):1245–9
A note on the phallic significance of spitting. Gomberg HL. **Psychoanal Q** 1981;50(1):90–5
Viability of human periodontal ligament cells after storage in milk or saliva. Blomlöf L, et al. **Scand J Dent Res** 1980 Oct;88(5):436–40
Vitality of periodontal ligament cells after storage of monkey teeth in milk or saliva. Blomlöf L, et al. **Scand J Dent Res** 1980 Oct;88(5):441–5

ANALYSIS

Value of saliva samples in monitoring carbamazepine concentrations in epileptic patients. Kristensen O, et al. **Acta Neurol Scand** 1980 Jun;61(6):344–50
Electrophoretic protein pattern of human parotid saliva in Sjögren's syndrome and sialosis. Benedek-Spät E, et al. **Acta Otolaryngol (Stockh)** 1980 Sep-Oct;90(3–4):275–82
Phenytoin and IgA concentrations in plasma and saliva in epileptic children. Modéer T, et al. **Acta Paediatr Scand** 1981;70(3):373–8
The reliability of thiocyanate measurement of smoking exposure. Prue DM, et al. **Addict Behav** 1981;6(2):99–105
Biochemistry of human saliva. Arglebe C. **Adv Otorhinolaryngol** 1981;26:97–234 (470 ref.)
Monitoring salivary theophylline levels [letter] Gal P, et al. **Am J Dis Child** 1981 Jul;135(7):671
Monitoring children on sustained-release therapy by salivary theophylline levels. Kelly HW, et al. **Am J Dis Child** 1981 Feb;135(2):137–9
Saliva carbamazepine and phenytoin level monitoring. Rylance GW, et al. **Arch Dis Child** 1981 Aug;56(8):637–40
Chlorpromazine levels and the outcome of treatment in schizophrenic patients. May PR, et al. **Arch Gen Psychiatry** 1981 Feb;38(2):202–7
Dissociation between free and bound phenytoin levels in presence of valproate sodium. Rodin EA, et al. **Arch Neurol** 1981 Apr;38(4):240–2
A comparison of circadian variation in the flow rate and composition of stimulated human parotid, submandibular and whole salivas from the same individuals. Ferguson DB, et al. **Arch Oral Biol** 1980;25(8–9):559–68
Lipid composition of human parotid saliva from light and heavy dental calculus-formers. Slomiany A, et al. **Arch Oral Biol** 1981;26(2):151–2
Lipid composition of human submandibular gland secretion from light and heavy calculus formers. Slomiany BL, et al. **Arch Oral Biol** 1980;25(11–12):749–51
Isolation of a low molecular weight glycoprotein inhibitor of calcium phosphate precipitation from the extra-parotid saliva of macaque monkeys. VanDyke TE, et al. **Arch Oral Biol** 1979;24(2):85–9
Salivary electrolyte concentrations and electrical potential difference across the parotid salivary duct of anaesthetized sodium-replete sheep. Beal AM. **Aust J Biol Sci** 1980 May; 33(2):197–204
Composition of saliva in mammalia. Young JA, et al. **Aust J Exp Biol Med Sci** 1981 Feb;59(1):1–53 (326 ref.)
Analyses of steroids in saliva using highly selective mass spectrometric techniques. Gaskell SJ, et al. **Biomed Mass Spectrom** 1980 Nov;7(11–12):500–4
Comparison of plasma and saliva levels of diazepam. de Gier JJ, et al. **Br J Clin Pharmacol** 1980 Aug;10(2):151–5
Salivary concentrations and plasma protein binding of carbamazepine and carbamazepine 10,11-epoxide in epileptic patients. MacKichan JJ, et al. **Br J Clin Pharmacol** 1981 Jul;12(1):31–7
Salivary anticonvulsant levels in children with epilepsy. Day RE, et al. **Br J Clin Pract** 1981 Jan;35(1):25–9
Oestradiol in saliva during the menstrual cycle. Evans JJ, et al. **Br J Obstet Gynaecol** 1980 Jul;87(7):624–6
Saliva and blood pethidine concentrations in the mother and the newborn baby. Freeborn SF, et al. **Br J Obstet Gynaecol** 1980 Nov;87(11):966–9
Relationships of fluoride rates in human blood plasma and saliva to the occurrence of dental caries. Kerebel B, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1980 Oct; 23(4):219–24
Fluoride tablets and salivary fluoride levels. McCall D, et al. **Caries Res** 1981;15(1):98–102
Serum protein binding and salivary secretion of salicylic acid in man. Kaneo Y, et al. **Chem Pharm Bull (Tokyo)** 1980; 28(4):1251–7
Quantitative differences in volatiles from healthy mouths and mouths with periodontitis. Kostelc JG, et al. **Clin Chem** 1981 Jun;27(6):842–5
Use of saliva for monitoring unbound free cortisol levels in serum. Umeda T, et al. **Clin Chim Acta** 1981 Mar 5; 110(2–3):245–53
Factors influencing nortriptyline steady-state kinetics: plasma and saliva levels. Kragh-Sørensen P, et al. **Clin Pharmacol Ther** 1980 Dec;28(6):796–803
Concentrations and kinetics of carbamazepine in whole saliva, parotid saliva, serum ultrafiltrate, and serum. Paxton JW, et al. **Clin Pharmacol Ther** 1980 Nov;28(5):695–702
Circadian changes of the SIgA, lysozyme, albumin and copper content of saliva. Richter J, et al. **Czech Med** 1980; 3(4):249–54
Prednisolone concentrations in plasma, saliva and urine. Chakraborty J, et al. **Eur J Clin Pharmacol** 1981 Jan; 19(1):79–81
Bromocriptine concentration in saliva plasma after long-term treatment of patients with Parkinson's disease. Friis ML, et al. **Eur J Clin Pharmacol** 1980 Aug;18(2):171–4
Male mouse submaxillary gland secretes highly toxic proteins. Hiramatsu M, et al. **Experientia** 1980 Aug 15;36(8):940–2
Effect of betel-quid chewing on nitrite levels in saliva. Shivapurkar NM, et al. **Food Cosmet Toxicol** 1980 Jun; 18(3):277–81
The effect of water-borne nitrate on salivary nitrite. Walters CL, et al. **Food Cosmet Toxicol** 1981 Jun;19(3):297–302
The ABO(H) paradoxical and aberrant secretion in human saliva. Fiori A, et al. **Forensic Sci Int** 1981 Jan-Feb; 17(1):13–7
Detection of amphetamine in bloodstains, semen, seminal stains, saliva, and saliva stains. Smith FP. **Forensic Sci Int** 1981 May-Jun;17(3):225–8
Assessment of testicular function by the radioimmunoassay of testosterone in saliva. Walker RF, et al. **Int J Androl** 1980 Apr;3(2):105–20
Metronidazole as a radiosensitizer: a preliminary report on estimation in serum and saliva. Karim AB, et al. **Int J Radiat Oncol Biol Phys** 1980 Sep;6(9):1233–6
Measurement of phencyclidine in saliva. Bailey DN, et al. **J Anal Toxicol** 1980 Nov-Dec;4(6):311–3
Determination of methaqualone and its major metabolite in plasma and saliva after single oral doses. Peat MA, et al. **J Anal Toxicol** 1980 May-Jun;4(3):114–8
Rapid high-performance thin-layer chromatography of salicylic acid, salicylamide, ethoxybenzamide and paracetamol in saliva. Drehsen G, et al. **J Chromatogr** 1981 May 8;223(2):479–83
Analysis of trimethobenzamide in human saliva by gas chromatography-–mass spectrometry. Robert TA, et al. **J Chromatogr** 1981 Jun 12;224(1):116–21
Use of saliva lithium determinations [letter] **J Clin Psychiatry** 1981 Jan;42(1):40–1
Biochemical studies on saliva and serum of normal Egyptian infants and young children. Sakr R, et al. **J Egypt Med Assoc** 1978;61(3–4):203–16
The excretion of pesticides in saliva and its value in assessing exposure. Borzelleca JF, et al. **J Environ Sci Health [B]** 1980;B15(6):843–66
The presence of platelet-activating factor (PAF) in normal human mixed saliva. Cox CP, et al. **J Immunol** 1981 Jul; 127(1):46–50
Flow rate, sodium and potassium concentration in mixed saliva of complete denture-wearers. Gabay EL. **J Oral Rehabil** 1980 Nov;7(6):435–43
Fluoride release from a fluoride-containing amalgam, a glass ionomer cement and a silicate cement in artificial saliva. Tveit AB, et al. **J Oral Rehabil** 1981 May;8(3):237–41
Saliva phenobarbital and phenytoin concentrations in epileptic adolescents. Friedman IM, et al. **J Pediatr** 1981 Apr;98(4):645–7
Use of whole saliva for bioavailability studies with reference to phenytoin. Paxton JW, et al. **J Pharm Pharmacol** 1980 Aug;32(8):586–8
Nerve growth factor and an anticomplimentary protease in mouse saliva elicited by nerve stimulation. Partlow LM, et al. **J Physiol (Lond)** 1981 Jan;310:1–11
Salivary and urine theophylline levels in management of childhood asthma. Goldsworthy SJ, et al. **J R Soc Med** 1981 Jun;74(6):415–8
Radioimmunoassay for 'free' testosterone in human saliva. Luisi M, et al. **J Steroid Biochem** 1980 Jan;12:513–6
Lead levels in saliva and in blood. P'an AY. **J Toxicol Environ Health** 1981 Feb;7(2):273–80
Salivary oestriol in normal pregnancy [letter] Robinson J, et al. **Lancet** 1981 May 16;1(8229):1111–2
Value of measuring salivary and free serum sodium valproate concentrations [letter] Buchanan N, et al. **Med J Aust** 1981 May 16;1(10):539–40
Measurement of drugs in saliva: a review. Paxton JW. **Methods Find Exp Clin Pharmacol** 1979 Apr;1(1):11–21 (49 ref.)
Intravenous valproate: effects on plasma and saliva phenytoin levels. Pisani FD, et al. **Neurology (NY)** 1981 Apr; 31(4):467–70
Nitrate and nitrite in saliva. Eisenbrand G, et al. **Oncology** 1980;37(4):227–31
Relationship of parotid saliva flow rate and composition with personality traits in healthy men. Costa PT Jr, et al. **Oral Surg** 1980 Nov;50(5):416–22
Specificity of an isolated salivary factor material to cystic fibrosis. Impero JE, et al. **Pediatr Res** 1981 Jun;15(6):940–4
Origin of salivary hepatitis B surface antigen. Hurlen B. **Scand J Dent Res** 1980 Aug;88(4):323–7
Some effects of bone meal and NaF tablets on the composition of saliva. Rasmussen P, et al. **Scand J Dent Res** 1980 Aug;88(4):352–4
Distribution and forms of iodine in human oral cavity. Tenovuo J, et al. **Scand J Dent Res** 1980 Oct;88(5):430–5
Analysis of testosterone and dehydroepiandrosterone in saliva by gas chromatography-mass spectrometry. Gaskell SJ, et al. **Steroids** 1980 Aug;36(2):219–28
A colourimetric screening test for evaluation of the buffer capacity of saliva. Frostell G. **Swed Dent J** 1980;4(3):81–6
Lysozyme and salivary immunoglobulin A in caries-free and caries-susceptible pre-school children. Twetman S, et al. **Swed Dent J** 1981;5(1):9–14
Salivary anticonvulsant levels in children: a comparison of methods. Goldsmith RF, et al. **Ther Drug Monit** 1981; 3(2):151–7
Saliva-serum theophylline concentrations: substantial intrapatient and interpatient variation in predicting serum concentrations. Uden DL, et al. **Ther Drug Monit** 1981; 3(2):143–50
Presence of cadmium in the saliva of adult male workers. Gervais L, et al. **Toxicol Lett** 1981 Apr;8(1–2):63–6
[Role of the fluoride ion in blood, saliva and bacterial plaque in the occurrence of dental caries: preliminary study] Kerebel B, et al. **Bull Group Int Rech Sci Stomatol Odontol** 1980 Apr; 23(2):81–5 (Eng. Abstr.) **(Fre)**

[Salivary diffusion of oral amoxicillin] Squinazi F. **Rev Odontostomatol (Paris)** 1980 May-Jun;9(3):55-7 **(Fre)**

[Salivary pH during pregnancy. Relationship with the presence or absence of Candida albicans. A study of 200 cases (author's transl)] Scheffer P, et al. **Rev Stomatol Chir Maxillofac** 1981;82(2):140-2 (Eng. Abstr.) **(Fre)**

[Value of the analysis of salivary theophylline with an immunoenzymatic method] Heim M, et al. **Therapie** 1980 Mar-Apr;35(2):251-3 **(Fre)**

[Immunoglobulin and total protein concentrations in saliva of healthy children (author's transl)] Tympner KD, et al. **Klin Paediatr** 1980 Sep;192(5):448-52 (Eng. Abstr.) **(Ger)**

[Concentration of Na, K, Ca, Mg and Zn in in human submandibular saliva (author's transl)] Klinger G, et al. **Laryngol Rhinol Otol (Stuttg)** 1980 May;59(5):279-81 (Eng. Abstr.) **(Ger)**

[Parotid and submaxillary saliva sialochemistry in cystic fibrosis (author's transl)] Meyer P, et al. **Laryngol Rhinol Otol (Stuttg)** 1980 May;59(5):274-8 (Eng. Abstr.) **(Ger)**

[Radioimmunological study of the effect of hormonal contraceptives upon the progesterone level of saliva (author's transl)] Arnold M et al. **Zahn Mund Kieferheilkd** 1980;68(7):713-8 (Eng. Abstr.) **(Ger)**

[Determination of cannabinol in biological fluids] Gagliano Candela R, et al. **Boll Soc Ital Biol Sper** 1979 Jan 15; 55(1):32-7 **(Ita)**

[Measurement of 131I concentration in saliva of a patient and monitoring of exposure and contamination in a ward (author's transl)] Maekoshi H, et al. **Radioisotopes** 1979 Mar;28(3):180-3 **(Jpn)**

[Salivary hexoses after a peroral glucose load] Majewska A, et al. **Czas Stomatol** 1980 Jun;33(6):499-507 (Eng. Abstr.) **(Pol)**

[Role of salivary sugars in dental caries] Majewska A. **Czas Stomatol** 1980 Jun;33(6):481-9 (Eng. Abstr.) **(Pol)**

[Total protein level in the saliva and the appearance of human dental calculus] Witek E, et al. **Czas Stomatol** 1980 May; 33(5):389-94 (Eng. Abstr.) **(Pol)**

[Simple test for the tentative evaluation of occupational exposure to phenol] Lutogniewska J. **Med Pr** 1980; 31(5):399-401 (Eng. Abstr.) **(Pol)**

[Immunoglobulin levels at different ages in the healthy child population] Botey J, et al. **Allergol Immunopathol (Madr)** 1981 Jan-Feb;9(1):19-24 (Eng. Abstr.) **(Spa)**

CYTOLOGY

Correlation between the protease activities and the number of epithelial cells in human saliva. Watanabe T, et al. **J Dent Res** 1981 Jun;60(6):1039-44

[Examination of salivary leukocytes] Schröder W, et al. **Z Aerztl Fortbild (Jena)** 1980 Oct 15;74(20):972-7 **(Ger)**

[Cytogram of salivary glands punctate and secretion in chronic sialodochitis] Kats AG, et al. **Lab Delo** 1981; (7):396-8 **(Rus)**

ENZYMOLOGY

Salivary peroxidase activity and thiocyanate concentration in human subjects with genetic variants of salivary peroxidase. Azen EA. **Arch Oral Biol** 1978;23(9):801-5

alpha-Amylase activity of human neonate and adult saliva. Bellavia SL, et al. **Arch Oral Biol** 1979;24(2):117-21

Esterase patterns in human saliva established by chromatography on Con-a-sepharose and by isoelectric focusing. Lindqvist L, et al. **Arch Oral Biol** 1980; 25(6):363-8

Oral starch degradation and its influence on acid production in human dental plaque. Mörmann JE, et al. **Caries Res** 1981;15(2):166-75

Characterization and intermethod relationships of materials containing purified human pancreatic and salivary amylase. Sampson EJ, et al. **Clin Chem** 1981 May;27(5):714-20

The characterization of a thermostable activator of beta-D-glucosidase in normal human saliva. Cherian R, et al. **Clin Chim Acta** 1981 Mar 5;110(2-3):169-76

Serum alpha-amylase isozymes in mumps: estimation of salivary and pancreatic isozymes by isoelectric focusing. Scully C, et al. **Clin Chim Acta** 1981 Jul 1;113(3):281-91

Characterization of the amino termini of mouse salivary and pancreatic amylases. Karn RC, et al. **FEBS Lett** 1981 Apr 20;126(2):293-6

Peroxidase antimicrobial system of human saliva: requirements for accumulation of hypothiocyanite. Thomas EL, et al. **J Dent Res** 1981 Apr;60(4):785-96

Confirmation of metachromatic leukodystrophy and fucosidosis by enzyme analysis of saliva. Den Tandt WR, et al. **Neuropaediatrie** 1980 May;11(2):189-90

In vivo and in vitro studies of inhibitory effects of restorative dental materials on salivary esterases. Lindqvist L, et al. **Scand J Dent Res** 1980 Jun;88(3):229-35

Affinity chromatography of human saliva lysozyme and effect of pH and ionic strength on lytic activity. Vasstrand EN, et al. **Scand J Dent Res** 1980 Jun;88(3):219-28

Correlation between postsialographical changes of salivary isoamylase levels in serum and histopathological findings in sublingual glands in patients with Sjögren's syndrome. Yamauchi K, et al. **Tokai J Exp Clin Med** 1980 Apr; 5(2):187-93

[Determination of diastase in the saliva of the submandibular gland after facial nerve decompression] Skurezynski W, et al. **Z Aerztl Fortbild (Jena)** 1980 May 15;74(10):481-2 **(Ger)**

[Lactic dehydrogenase isoenzymes in 3 types of human saliva] Kubicz A, et al. **Czas Stomatol** 1981 Feb;34(2):121-5 (Eng. Abstr.) **(Pol)**

[Effect of the work environment on acid phosphatase and lysozyme activity in the saliva of workers in phosphate fertilizer plants] Witek E, et al. **Czas Stomatol** 1980 Sep; 33(9):761-5 (Eng. Abstr.) **(Pol)**

[Lysozyme in the oropharyngeal secretion and blood serum in children with chronic diseases of the liver and biliary tract] Fokina TV, et al. **Pediatriia** 1980 Dec;(12):51 **(Rus)**

[Correlation between the enzymatic activity of mixed saliva and the intensity of leukocyte migration in the human oral cavity] Barabash RD, et al. **Stomatologiia (Mosk)** 1981 Jan-Feb;60(1):9-12 (Eng. Abstr.) **(Rus)**

[Fibrinolysis components in the saliva in chronic tonsillitis] Veremeenko KN, et al. **Vestn Otorinolaringol** 1981;(3):65-6 (Eng. Abstr.) **(Rus)**

[Source of enzymes of mixed human saliva] Barabash RD, et al. **Vopr Med Khim** 1981 Jan-Feb;27(1):22-7 (Eng. Abstr.) **(Rus)**

[Activity of acid and alkaline phosphatases in parotid saliva in parotid gland diseases] Solntsev AM, et al. **Vrach Delo** 1981;(4):50-3 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Salivary immunoglobulin concentrations in patients with epilepsy treated with carbamazepine. Gilhus NE, et al. **Acta Neurol Scand** 1980 Nov;62(5):300-4

A comparative study of allergen extracts from cat fur, cat pelt and cat saliva. Guerin B, et al. **Ann Allergy** 1981 Mar; 46(3):127-31

Serum and salivary antibodies to Streptococcus mutans in relation to the development and treatment of human dental caries. Challacombe SJ. **Arch Oral Biol** 1980;25(7):495-502

Cell-protective effect of human saliva specific for herpes simplex virus. Heineman HS, et al. **Arch Oral Biol** 1980; 25(4):257-61

Measurement of serum and salivary antibodies to the oral pathogen Bacteroides asaccharolyticus in human subjects. Mansheim BJ, et al. **Arch Oral Biol** 1980;25(8-9):553-7

Continual observation of clinical and immunological parameters, in particular of salivary IgA, in tonsillectomised children. Jeschke R, et al. **Arch Otorhinolaryngol** 1980;226(1-2):73-84

Conglutinin-like factors in human saliva--relation to other salivary aggregating factors--. Murai Y. **Bull Tokyo Med Dent Univ** 1980 Dec;27(4):159-66

Cytologic localization of antigens from human saliva in pleomorphic adenomas of salivary glands. Vigliani R, et al. **Cancer** 1981 Jul 15;48(2):293-8

Salivary agglutinins tested against Streptococcus mutans. Everhart DL, et al. **Caries Res** 1980;14(5):258-64

Predictable clinical disorders related to serum and saliva Ig-levels and the number of circulating T cells in asthmatic children. Ostergaard PA. **Clin Allergy** 1980 May; 10(3):277-84

Immunoglobulin A in secretions of western Canadian native and white children. Pabst HF, et al. **Clin Invest Med** 1980; 3(3-4):221-4

A study of human-type ABH antigens on erythrocytes and in saliva of sheep. Prodanov P. **Folia Haematol (Leipz)** 1980;107(2):305-13

Effect of blood group active micro-organisms on the ABO grouping of human whole saliva. Scott ML, et al. **Forensic Sci Int** 1980 Sep-Oct;16(2):87-100

Specific and nonspecific immune factors in dental plaque fluid and saliva from young and old populations. Cole MF, et al. **Infect Immun** 1981 Mar;31(3):998-1002

Use of combined immunization routes in induction of a salivary immunoglobulin A response to Streptococcus mutans in Macaca fascicularis monkeys. Linzer R, et al. **Infect Immun** 1981 Jan;31(1):345-51

Bacterial aggregating activity in human saliva: comparisons of bacterial species and strains. Malamud D, et al. **Infect Immun** 1981 Mar;31(3):1003-6

Different secretory immunoglobulin A antibody responses to cholera vaccination in Swedish and Pakistani women. Svennerholm AM, et al. **Infect Immun** 1980 Nov; 30(2):427-30

Virus excretion and neutralizing antibody response in saliva in human cytomegalovirus infection. Tamura T, et al. **Infect Immun** 1980 Sep;29(3):842-5

Haemagglutinating serum and salivary antibody responses after oral and intragastric antigen. A revised estimate. Matthews JB, et al. **Int Arch Allergy Appl Immunol** 1980; 63(4):467-9

Serum and salivary antibody responses and the development of oral tolerance after oral and intragastric antigen administration. Matthews JB, et al. **Int Arch Allergy Appl Immunol** 1981;65(1):107-13

Naturally-occurring IgA antibodies to glycerol-teichoic acid in human saliva. Correlation with caries activity. Bolton RW. **J Dent Res** 1981 May;60(5):878-82

Relationship between saliva and serum agglutination titers and post-irradiation caries activity in cancer patients. Brown LR, et al. **J Dent Res** 1981 Jan;60(1):10-8

Immunoglobulin class of agglutinins to oral microorganisms in post-irradiation cancer patients. O'Neill PA, et al. **J Dent Res** 1981 Sep;60(9):1639-47

Salivary IgA antibodies to mumps virus during and after mumps. Friedman MG. **J Infect Dis** 1981 Apr;143(4):617

Salivary immunoglobulins in children with asthma. Hyyppä T. **J Periodont Res** 1980 May;15(3):227-31

Ontogeny of secretory immunity: levels of secretory IgA and natural antibodies in saliva. Burgio GR, et al. **Pediatr Res** 1980 Oct;14(10):1111-4

The Lewis system and secretor status in autoimmune hemolytic anemia complicating infectious mononucleosis. Lee CH, et al. **Transfusion** 1980 Sep-Oct;20(5):585-8

Relationship between I and H antigens. I. A study of the plasma and saliva of a normal population. Rouger P, et al. **Transfusion** 1980 Sep-Oct;20(5):536-9

[A preliminary study on relationship between caries and immunoglobulin in saliva (author's transl)] Li SY. **Chung Hua Kou Chiang Ko Tsa Chih** 1981 Mar;16(1):19-20 **(Chi)**

[Some epidemiologic characteristics of HBsAg in saliva (author's transl)] Jing Q. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1980 May; 14(2):109-11 **(Chi)**

[Does salivary IgA play a role in caries and periodontal disease?] Mattout C. **Actual Odontostomatol (Paris)** 1980; (132):573-81 **(Fre)**

[Anti-Candida salivary immunoglobulins. Evidence of a specific local immune reaction (author's transl)] Scheffer P, et al. **Rev Stomatol Chir Maxillofac** 1981;82(2):136-9 (Eng. Abstr.) **(Fre)**

[Immunoglobulins in the serum and saliva of denture stomatitis patients] Schröder H, et al. **Dtsch Zahnaerztl Z** 1980;35(10):953-8 (Eng. Abstr.) **(Ger)**

[Levels of seric and salivary IgA in apparently normal subjects, candidates for N.C.O. in the Air Force] D'Amelio R, et al. **Riv Med Aeronaut Spaz** 1979 Jul-Dec; 42(3-4):366-75 (Eng. Abstr.) **(Ita)**

[Quantitative method of studying ABH antigens in saliva] Prodanov P. **Lab Delo** 1980;(7):438-9 **(Rus)**

[Immunoglobulin content in the oral secretion of healthy children depending on age, sex and the time of day and season] Botvin'eva VV, et al. **Pediatriia** 1981 Apr;(4):37-9 (Eng. Abstr.) **(Rus)**

[Salivary protective factors in inflammatory lesions of the periodontium] Oleĭnik II, et al. **Stomatologiia (Mosk)** 1981 May-Jun;60(3):32-5 (Eng. Abstr.) **(Rus)**

[Immunoglobulin characteristics of the saliva of patients with varying degrees of periodontosis] Zemskaia EA, et al. **Stomatologiia (Mosk)** 1981 Jan-Feb;60(1):22-4 (Eng. Abstr.) **(Rus)**

[Salivary antibodies of Sonnei dysentery reconvalescents and healthy subjects with different probable risks of infection by Shigellae] Khazenson LB, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jan;(1):43-9 (Eng. Abstr.) **(Rus)**

[Salivary immunoglobulins and dental caries] Javorka V. **Cesk Stomatol** 1980 Sep;80(5):334-8 (Eng. Abstr.) **(Slo)**

[Secretory IgA in the saliva of children infected with Giardia lamblia and in control children., Part I.] Noemí I, et al. **Rev Chil Pediatr** 1981 Jan-Feb;52(1):20-4 (Eng. Abstr.) **(Spa)**

METABOLISM

Effect of iodine and thiocyanate on their accumulation in the saliva of sheep. Bobek S, et al. **Acta Physiol Pol** 1981 Mar-Apr;32(2):213-18

Theophylline concentrations in serum and saliva after oral microcrystalline and sustained-release preparations in asthmatics. Munch EP, et al. **Allergy** 1981 Feb;36(2):89-98

Salivary zinc as an index of zinc status in women fed a low-zinc diet. Freeland-Graves JH, et al. **Am J Clin Nutr** 1981 Mar;34(3):312-21

Plasma and saliva levels of chlorpromazine and subjective response. Van Putten T, et al. **Am J Psychiatry** 1980 Oct; 137(10):1241-2

cAMP and cGMP in the human parotid saliva. Asakura K, et al. **Arch Otorhinolaryngol** 1980;226(3):145-54

Sodium deprivation in rats: salt thresholds are related to salivary sodium concentrations. Contreras RJ, et al. **Behav Neural Biol** 1980 Jul;29(3):303-14

Evaluation of salivary markers during the menstrual cycle: peroxidase, protein, and electrolytes. Tenovuo J, et al. **Biochem Med** 1981 Jun;25(3):337-45

Relationship between lithium levels of saliva and serum [letter] Sethi N, et al. **Biol Psychiatry** 1981 Apr;16(4):413-4

Salivary elimination of pyrimethamine. Ahmad RA, et al. **Br J Clin Pharmacol** 1981 Jan;11(1):101-2

Serum and saliva levels of 8-methoxypsoralen after rectal administration as a micro-enema. Stolk L, et al. **Br J Dermatol** 1981 Apr;104(4):447-51

The monitoring of saliva drug levels: psychiatric applications. El-Guebaly N, et al. **Can J Psychiatry** 1981 Feb;26(1):43-8

Binding of salivary aggregating factors for Streptococcus mutans by concanavalin A and fucose-binding protein. Mirth DB, et al. **Caries Res** 1981;15(1):1-8

Peroxidase-catalyzed hypothiocyanite production in human salivary sediment in relation to oral health. Tenovuo J, et al. **Caries Res** 1980;14(5):269-75

Sialochemistry in diseases and clinical situations affecting

salivary glands. Mandel ID.
CRC Crit Rev Clin Lab Sci 1980;12(4):321–66 (205 ref.)

Phenytoin therapy for epileptic children: evaluation of salivary and plasma concentrations and of methods of assessing compliance. Zysset T, et al.
Dev Med Child Neurol 1981 Feb;23(1):66–75

Serum and saliva levels of a trimethoprim–sulfamethopyrazine combination in man. Sardi A, et al. **Eur J Clin Pharmacol** 1981;20(2):113–8

Salivary secretion of blood group substances in multiple sclerosis patients. Wender M, et al. **Eur Neurol** 1981; 20(1):52–5

Excretion of nortriptyline into saliva. Virtanen R.
Int J Clin Pharmacol Ther Toxicol 1981 Feb;19(2):78–81

Excretion of monovalent ions and water in the saliva of the ferret. Mangos JA, et al. **J Dent Res** 1980 Dec; 59(12):2087–90

Kininogen and kallikrein in saliva of periodontally–diseased subjects. Sakamoto W, et al. **J Dent Res** 1981 Jan;60(1):6–9

An evaluation of minocycline in patients with periodontal disease. Ciancio SG, et al. **J Periodontol** 1980 Sep; 51(9):530–4

Human whole blood and parotid saliva concentrations of oral and intramuscular promethazine. DiGregorio GJ, et al.
J Pharm Sci 1980 Dec;69(12):1457–9

A micropuncture investigation of electrolyte transport in the parotid glands of sodium–replete and sodium–depleted sheep. Compton JS, et al. **J Physiol (Lond)** 1980 Dec; 309:429–46

The effects of urea and artificial saliva on rumen bacterial protein synthesis in sheep receiving a high–cereal diet. Chamberlain DG, et al. **J Sci Food Agric** 1980 May; 31(5):432–8

Magnesium concentration in saliva –– an indicator of digitalis toxicity. ? Gilfrich HJ, et al. **Klin Wochenschr** 1981 Jun 15;59(12):617–21

Dapsone in saliva and plasma of man. Peters JH, et al.
Pharmacology 1981;22(3):162–71

Plasma and salivary concentrations of erythromycin after administration of three different formulations. Henry J, et al. **Postgrad Med J** 1980 Oct;56(660):707–10

Gustin concentration changes relative to salivary zinc and taste in humans. Shatzman AR, et al.
Proc Natl Acad Sci USA 1981 Jun;78(6):3867–71

Effect of peracute lactic acidosis on the physico–chemical changes in parotid saliva of cross–bred calves. Randhawa SS, et al. **Z Tierphysiol Tierernaeher Futtermittelkd** 1981; 45(2):60–5

[Salivary and biliary excretion of nitrates in the dog] Fritsch P, et al. **Ann Nutr Aliment** 1980;34(5–6):1089–96 (Eng. Abstr.) **(Fre)**

[Chemical examination of submandibular saliva in facial paralysis (author's transl)] Bumm P, et al.
Arch Otorhinolaryngol 1980;226(4):269–78 (Eng. Abstr.) **(Ger)**

[Substrate–specific antibiotic excretion in the saliva with clindamycin and amoxicillin] Osborn JF, et al.
Dtsch Zahnaerztl Z 1981 Jan;36(1):38–41 (Eng. Abstr.) **(Ger)**

[Fluoride clearance in the saliva after local application of various fluoride–containing preparations] Treide A, et al. **Stomatol DDR** 1980 Dec;30(12):888–94 (Eng. Abstr.) **(Ger)**

[The problem of nitrate and nitrite in human food. II. The occurrence of nitrate, nitrite, and thiocyanate in human saliva (author's transl)] Möhler K, et al.
Z Lebensm Unters Forsch 1981;173(1):40–6 (Eng. Abstr.) **(Ger)**

[Hydrogen ion concentration in the saliva and the deposition of human dental calculus] Kwapisz H, et al.
Czas Stomatol 1980 May;33(5):395–9 (Eng. Abstr.) **(Pol)**

MICROBIOLOGY

Maternal salivary levels of Streptococcus mutans and primary oral infection of infants. Berkowitz RJ, et al.
Arch Oral Biol 1981;26(2):147–9

A semi–quantitative determination of Streptococcus mutans using its adherent ability in a selective medium. Matsukubo T, et al. **Caries Res** 1981;15(1):40–5

Effect of bacterial aggregation on the adherence of oral streptococci to hydroxyapatite. Liljemark WF, et al.
Infect Immun 1981 Mar;31(3):935–41

Influence of growth medium on adsorption of Streptococcus mutans, Actinomyces viscosus, and Actinomyces naeslundii to saliva–treated hydroxyapatite surfaces. Peros WJ, et al.
Infect Immun 1981 Apr;32(1):111–7

Adherence of Streptococcus mutans and Streptococcus sanguis to salivary components bound to glass. Stinson MW, et al. **Infect Immun** 1981 May;32(2):583–91

Adherence of Streptococcus salivarius HB and HB–7 to oral surfaces and saliva–coated hydroxyapatite. Weerkamp AH, et al. **Infect Immun** 1980 Oct;30(1):150–8

Quantitative relationships between Candida albicans in saliva and the clinical status of human subjects. Epstein JB, et al. **J Clin Microbiol** 1980 Sep;12(3):475–6

Lactobacilli in human dental plaque and saliva. Van Houte J, et al. **J Dent Res** 1981 Jan;60(1):2–5

Herpes virus in an obstetric hospital. II: Asymptomatic virus excretion in staff members. Hatherley LI, et al.
Med J Aust 1980 Sep 6;2(5):273–5

Streptococcus mutans in plaque and saliva and the development of caries. Köhler B, et al.
Scand J Dent Res 1981 Feb;89(1):19–25

[Role of saliva in the transmission of hepatitis B (author's transl)] Xu ZY. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1979;13(3):144–7 **(Chi)**

[Effect of chlorhexidine upon upon the microflora in the plaque and saliva (author's transl)] Ebell S, et al.
Zahn Mund Kierferheilkd 1981;69(2):92–6 (Eng. Abstr.) **(Ger)**

[Bacterial antagonism of oral secretions towards staphylococci] Sbaffi A, et al. **Boll Ist Sieroter Milan** 1979 Sep 30;58(4):290–4 (Eng. Abstr.) **(Ita)**

[Relationship between the presence of Staphylococci and oral pathological processes in adults] Krzemiński Z.
Med Dosw Mikrobiol 1980;32(2):77–82 (Eng. Abstr.) **(Pol)**

[Comparative study of the susceptibility of suckling and adult mice used for the isolation of rabies virus from the saliva of dogs with natural rabies] Côrtes V de A, et al.
Arq Inst Biol (Sao Paulo) 1979 Jul–Dec;46(3–4):97–101 (Eng. Abstr.) **(Por)**

[Use of saliva in the diagnosis of natural canine rabies] Côrtes V de A, et al. **Arq Inst Biol (Sao Paulo)** 1979 Jul–Dec; 46(3–4):131–3 (Eng. Abstr.) **(Por)**

PHYSIOLOGY

Lectin–like constituents of foods which react with components of serum, saliva, and Streptococcus mutans. Gibbons RJ, et al. **Appl Environ Microbiol** 1981 Apr; 41(4):880–8

The effects of human saliva and concanavalin A on the agglutination of oral Streptococci. Nonaka H, et al.
Arch Oral Biol 1981;26(2):127–30

Effect of human saliva and various compounds on the adsorption of the bacterium Streptococcus mutans to hydroxyapatite. Simonson LG, et al. **Arch Oral Biol** 1981; 26(2):143–6

The effect of fluoride in saliva on remineralization of dental enamel in humans. Lambrou D, et al. **Caries Res** 1981; 15(5):341–5

Effect of human saliva on glucose uptake by Streptococcus mutans and other oral microorganisms. Germaine GR, et al. **Infect Immun** 1981 Feb;31(2):598–607

Effect of pH and human saliva on protease production by Candida albicans. Germaine GR, et al. **Infect Immun** 1981 Jan;31(1):323–6

Bacteriolysis of Veillonella alcalescens by lysozyme and inorganic anions present in saliva. Tortosa M, et al.
Infect Immun 1981 Jun;32(3):1261–73

Surface science research may help solve dental plaque problems [news] **J Am Dent Assoc** 1980 Sep;101(3):517–8

The effect of saliva on plaque pH in vivo. Abelson DC, et al. **J Dent Res** 1981 Sep;60(9):1634–8

The inhibitory effect of hydrolytic products of starch on in vitro colonization by Streptococcus mutans. Balekjian AY, et al. **J Dent Res** 1980 Dec;59(12):2076–9

Long–term effects of surgical desalivation upon taste acuity, fluid intake, and taste buds in the rat. Nanda R, et al.
J Dent Res 1981 Jan;60(1):69–76

The effect of salivary contamination on fissure sealant––enamel bond strength. Thomson JL, et al.
J Oral Rehabil 1981 Jan;8(1):11–8

The removal of carbon particles from the buccal surface of upper incisors and canines (by saliva and mechanical movement). Dunne SM, et al. **J Periodontol** 1980 Dec; 51(12):713–5

Changes in salivary pH and lactobacilli count in pregnant women. Orosz M, et al. **Proc Finn Dent Soc** 1980; 76(4):204–7

Saliva as a chemical cue in the development of social behavior. Block ML, et al. **Science** 1981 Mar 6; 211(4486):1062–4

Milk and saliva as possible storage media for traumatically exarticulated teeth prior to replantation. Blomlöf L.
Swed Dent J [Suppl] 1981;8:1–26

[Circardian rhythm studies and the variation over time of the physiological parameters of mixed saliva] Kochańska B, et al. **Czas Stomatol** 1980 Jun;33(6):491–8 (Eng. Abstr.) **(Pol)**

[Secretory and excretory activity of the stomach following saliva loss and salivary gland removal] Sukhodolo VD, et al. **Fiziol Zh SSSR** 1980 Sep;66(9):1383–7 (Eng. Abstr.) **(Rus)**

[Dissolving capacity of mixed saliva and its components in persons without dental caries and with multiple caries] Leont'ev VK, et al. **Stomatologiia (Mosk)** 1981 May–Apr; 60(2):42–4 (Eng. Abstr.) **(Rus)**

SECRETION

Stop–flow effects on human salivary composition and hydrostatic pressures. Dawes C, et al. **Arch Oral Biol** 1980; 25(4):251–6

Parotid salivary secretion in pancreatic disease. Slavotinek AH, et al. **Aust NZ J Med** 1981 Feb;11(1):91–2

Blood group specific substances in saliva of patients with cervical carcinoma. Gupta YN, et al.
Int J Gynaecol Obstet 1981 Mar;19(1):83–4

Blood groups and secretor status in non–neoplastic lesions of oral mucosa. Chaudhary KC, et al.
J Assoc Physicians India 1980 Jan–Feb;28(1–2):35–7

Evaluation of stimulated parotid saliva flow rate in different age groups. Baum BJ. **J Dent Res** 1981 Jul;60(7):1292–6

Salivary secretions in oral cancer patients with chronic tobacco–betel–line 'quid' chewing. Reddy MS, et al.
J Oral Med 1981 Jan–Mar;36(1):7–10

Parotid secretion of fluid and amylase in rabbits during feeding. Gjörstrup P. **J Physiol (Lond)** 1980 Dec; 309:101–16

Distribution of blood groups and secretor status in schistosomiasis. Trangle KL, et al. **Parasite Immunol** 1979 Summer;1(2):133–40

Effect of saliva stimulants (Hybrin and malic acid) on cervical root surfaces in vitro. Anneroth G, et al.
Scand J Dent Res 1980 Jun;88(3):214–8

[Saliva secretion and concentration and secretion of salivary amylase in low–birth weight infants] Collares EF, et al.
Arq Gastroenterol 1980 Oct–Dec;17(4):224–7 (Eng. Abstr.) **(Por)**

SALIVARY DUCT CALCULI

COMPLICATIONS

Oral ulceration due to submandibular gland duct sialolithiasis: a case report. Ecec S, et al. **East Afr Med J** 1980 Aug; 57(8):589–91

Submandibular salivary gland sialoliths perforated through the oral floor. El Deeb M, et al. **Oral Surg** 1981 Feb; 51(2):134–9

DIAGNOSIS

Salivary duct calculi [letter] Mackenzie IJ. **Br Med J** 1980 Jun 28;280(6231):1620

METABOLISM

Lipid composition of human submandibular gland secretion from light and heavy calculus formers. Slomiany BL, et al. **Arch Oral Biol** 1980;25(11–12):749–51

Mode of occurrence of brushite and whitlockite in a sialolith. Sakae T, et al. **J Dent Res** 1981 Apr;60(4):842–4

PATHOLOGY

Salivary calculi: ultrastructural morphology and bacterial etiology. Lustmann J, et al. **J Dent Res** 1981 Aug; 60(8):1386–95

RADIOGRAPHY

Radiological appearances of parotid duct calculi. Suleiman SI, et al. **Br J Surg** 1980 Dec;67(12):879–80

SURGERY

Gordon–Taylor Lecture, 1980. Sir Gordon Gordon–Taylor: two themes illustrated by the surgery of the parotid salivary gland. Hobsley M. **Ann R Coll Surg Engl** 1981 Jul; 63(4):264–9

[Sialolithiasis] Ditmarová J, et al. **Cesk Otolaryngol** 1981 Jun; 30(3):138–41 (Eng. Abstr.) **(Cze)**

SALIVARY GLAND DISEASES

CHEMICALLY INDUCED

[Iodine–induced sialadenitis. Apropos of a clinical case] Gazzotti A, et al. **Minerva Stomatol** 1981 Jan–Feb; 30(1):11–5 (Eng. Abstr.) **(Ita)**

COMPLICATIONS

Oral ulceration due to submandibular gland duct sialolithiasis: a case report. Ecec S, et al. **East Afr Med J** 1980 Aug; 57(8):589–91

DIAGNOSIS

Neonatal submandibular sialadenitis. Banks WW, et al.
Am J Otolaryngol 1980 May;1(3):261–3

Atypical mycobacterial lymphadenitis in an adult. Deepe GS Jr, et al. **Chest** 1980 Dec;78(6):882–3

Streptococcal submandibular cellulitis in young infants. Patamasucon P, et al. **Pediatrics** 1981 Mar;67(3):378–80

[Salivary myasis (author's transl)] Natali R, et al.
Ann Otolaryngol Chir Cervicofac 1980 Oct–Nov; 97(10–11):905–8 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Response to treatment of sarcoidosis involving salivary glands [letter] Maunder K. **Br Dent J** 1981 Jun 2; 150(11):303

Sjogren's syndrome and the sicca syndrome. the role of prostaglandin E1 deficiency. Treatment with essential fatty acids and vitamin C. Horrobin DF, et al.
Med Hypotheses 1980 Mar;6(3):225–32

ETIOLOGY

Etiology and pathogenesis of the inflammatory diseases of the cephalic salivary glands. Haubrich J.
Adv Otorhinolaryngol 1981;26:39–48 (35 ref.)

Major and minor salivary gland swelling in Mycoplasma pneumoniae infection. Wray W, et al. **Br Med J** 1980 Jun 14;280(6229):1421

[Salivary gland infarction (necrotizing sialometaplasia) caused by intraglandular circulation disorders in the rat parotid gland. Experimental study] Donath K.

Dtsch Zahnaerztl Z 1980 Jan;35(1):66–9 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

[Do immunologic examinations of mouth mucosa diseases or salivary gland diseases have clinical importance?] Brandtzaeg P. **Nor Tannlaegeforen Tid** 1981;91(9):301–9 **(Nor)**

METABOLISM

Electrophoretic protein pattern of human parotid saliva in Sjögren's syndrome and sialosis. Benedek-Spät E, et al. **Acta Otolaryngol (Stockh)** 1980 Sep–Oct;90(3–4):275–82

PATHOLOGY

Cytological diagnosis of sialadenosis, sialadenitis, and parotid cysts by fine-needle aspiration biopsy. Droese M. **Adv Otorhinolaryngol** 1981;26:49–96 (81 ref.)

Chronic sialadenitis of the submandibular gland. A retrospective study of 108 case. Isacsson G, et al. **Arch Otorhinolaryngol** 1981;232(1):91–100

Kimura's disease with salivary gland involvement. Tham KT, et al. **Br J Surg** 1981 Jul;68(7):495–7

The so-called 'benign lymphoepithelial lesion' (Part 1--Explanation of the term and of its synonymous and related terms). Ferlito A, et al. **J Laryngol Otol** 1980 Oct; 94(10):1189–97

Unusual cystic pleomorphic adenoma of the submandibular gland presenting as a ranula: report of a case with immunohistochemical demonstration of carcinoembryonic antigen. Ide F, et al. **J Nihon Univ Sch Dent** 1980 Oct; 22(3):115–23

Fine needle aspiration biopsy diagnosis of neck masses. Sismanis A, et al. **Otolaryngol Clin North Am** 1980; 13(3):421–9

[Mucoceles of the minor salivary glands. Extravasation mucoceles (mucus granulomas) and retention mucoceles (mucus retention cysts) (author's transl)] Seifert G, et al. **HNO** 1981 Jun;29(6):179–91 (Eng. Abstr.) **(Ger)**

[Frequency analysis of stomatological, surgical, and bioptic material (author's transl)] Dominok GW, et al. **Zahn Mund Kieferheilkd** 1980;68(1):54–7 **(Ger)**

[Submandibular and laterocervical adenopathies of tubercular origin; aspects of 8 cases of cervical adenopathies of tubercular origin] Viva E, et al. **Minerva Stomatol** 1980 May–Jun;29(3):219–26 (Eng. Abstr.) **(Ita)**

[Cytogram of salivary glands punctate and secretion in chronic sialodochitis] Kats AG, et al. **Lab Delo** 1981; (7):396–8 **(Rus)**

PHYSIOPATHOLOGY

Sialadenosis and sialadenitis. Pathophysiological and diagnostic aspects. **Adv Otorhinolaryngol** 1981;26:1–249

Sialadenosis of the salivary glands of the head. Studies on the physiology and pathophysiology of parotid secretion. Chilla R. **Adv Otorhinolaryngol** 1981;26:1–38 (231 ref.)

Sialochemistry in diseases and clinical situations affecting salivary glands. Mandel ID. **CRC Crit Rev Clin Lab Sci** 1980;12(4):321–66 (205 ref.)

RADIOGRAPHY

[Results of sialography (author's transl)] Peters PE, et al. **Roentgenblaetter** 1981 Mar;34(3):113–20 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

A computer-assisted method for semi-quantitative assessment of salivary gland diseases. De Rossi G, et al. **Eur J Nucl Med** 1980 Dec;5(6):499–503

SURGERY

The incidence of neoplastic versus inflammatory disease in major salivary gland masses diagnosed by surgery. Gallia LJ, et al. **Laryngoscope** 1981 Apr;91(4):512–6

THERAPY

Response to treatment of sarcoidosis involving salivary glands. Howarth RI. **Br Dent J** 1981 Mar 3;150(5):130–2

The overall management of salivary gland disorders. Eichel BS, et al. **Laryngoscope** 1981 Apr;91(4):504–11

[Inflammations of the major salivary glands] Hacarová M, et al. **Cesk Otolaryngol** 1981 Jun;30(3):142–5 (Eng. Abstr.) **(Cze)**

VETERINARY

Pathological observations on natural cases of sialodacryoadenitis of rats. Doi K, et al. **Jikken Dobutsu** 1980 Oct;29(4):419–26

Isolation and properties of sialodacryoadenitis virus of rats. Kojima A, et al. **Jikken Dobutsu** 1980 Oct;29(4):409–18

Infectious sialodacryoadenitis and rat breeding. Utsumi K, et al. **Lab Anim** 1980 Oct;14(4):303–7

SALIVARY GLAND FISTULA

ETIOLOGY

A sialocoele and unusual parotid fistula–a case report. Avery BS. **Br J Oral Surg** 1980 Jun;18(1):40–4

FAMILIAL & GENETIC

[Van der Woude syndrome] Gil Barbosa M, et al. **Bol Med Hosp Infant Mex** 1980 Nov–Dec;37(6):1155–60 **(Spa)**

SALIVARY GLAND NEOPLASMS

Malignant neoplasms of the major salivary glands. Lawrence WT, et al. **J Surg Oncol** 1981;17(2):113–27

CLASSIFICATION

Clinical staging system for cancer of the salivary gland: a retrospective study. Levitt SH, et al. **Cancer** 1981 Jun 1; 47(11):2712–24

[Classification of the tumours of the minor salivary glands. Pathohistologic analysis of 160 cases (author's transl)] Seifert G, et al. **Laryngol Rhinol Otol (Stuttg)** 1980 Jul; 59(7):379–400 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Malignant transformation in concurrent benign mixed tumors of the parotid and submaxillary glands [letter] McLure TC. **Plast Reconstr Surg** 1980 Nov;66(5):791–2

DIAGNOSIS

Lingual malignant disease of minor salivary gland origin. Clark SK, et al. **Am J Otolaryngol** 1980 Feb;1(2):181–5

The asymptomatic smooth palatal mass. A dangerously deceptive growth. Johnson JT, et al. **Postgrad Med** 1980 Sep;68(3):96–104

[Tumors of the salivary glands. A review of pathology and clinical aspects] Naujoks J. **Med Welt** 1981 Mar 13; 32(11):348–52 **(Ger)**

[Clinical and pathological aspects of neoplasms derived from the salivary glands] Hajdukiewicz Z, et al. **Czas Stomatol** 1980 Dec;33(12):1099–107 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Estrogen receptor activity in a case of Hodgkin's disease. Stark JJ, et al. **Ann Intern Med** 1981 Aug;95(2):186–7

ETIOLOGY

Radiation-associated carcinoma of the salivary glands. A controlled study. Maxon HR, et al. **Ann Otol Rhinol Laryngol** 1981 Mar–Apr;90(2 Pt 1):107–8

A neoplastic epithelial duct cell line established from an irradiated human salivary gland. Shirasuna K, et al. **Cancer** 1981 Aug 1;48(3):745–52

FAMILIAL & GENETIC

Familial carcinoma of the submandibular gland. A case report and an epidemiologic review. Newman AN, et al. **Arch Otolaryngol** 1981 Mar;107(3):169–71

IMMUNOLOGY

Cytologic localization of antigens from human saliva in pleomorphic adenomas of salivary glands. Vigliani R, et al. **Cancer** 1981 Jul 15;48(2):293–8

OCCURRENCE

Tumours of the salivary glands: a histological and clinical review. Pogrel MA. **Br J Oral Surg** 1979 Jul;17(1):47–56

Salivary gland tumors in Malawi. Thomas KM, et al. **Cancer** 1980 Nov 15;46(10):2328–34

[Salivary gland tumors: a review of the incidence over eight years] Theron EJ, et al. **S Afr J Surg** 1980 Sep;19(3):123–8 (Eng. Abstr.) **(Afr)**

PATHOLOGY

Acinic cell carcinoma of minor salivary gland origin. Hutchinson JC Jr. **Am J Otolaryngol** 1981 Feb;2(1):54–8

Infiltrating salivary duct carcinoma. A clinicopathologic study of five cases. Chen KT, et al. **Arch Otolaryngol** 1981 Jan;107(1):37–9

Tumours of the salivary glands: a histological and clinical review. Pogrel MA. **Br J Oral Surg** 1979 Jul;17(1):47–56

Monomorphic adenomas of major salivary glands: a histologic study of 96 tumours. Batsakis JG, et al. **Clin Otolaryngol** 1981 Apr;6(2):129–43

Adenoid cystic carcinoma of minor salivary glands. Man D, et al. **Del Med J** 1980 Aug;52(8):423–5

Diagnosis of salivary gland tumors by fine needle aspiration biopsy. Sismanis A, et al. **Head Neck Surg** 1981 Jul–Aug; 3(6):482–9

Monomorphic adenoma of the minor salivary glands. Mader CL, et al. **J Am Dent Assoc** 1981 May;102(5):657–9

Dermal analogue tumours of major salivary glands. Batsakis JG, et al. **J Laryngol Otol** 1981 Feb;95(2):155–64

Laryngeal salivary duct carcinoma: a light and electron microscopic study. Ferlito A, et al. **J Laryngol Otol** 1981 Jul;95(7):731–8

Unusual cystic pleomorphic adenoma of the submandibular gland presenting as a ranula: report of a case with immunohistochemical demonstration of carcinoembryonic antigen. Ide F, et al. **J Nihon Univ Sch Dent** 1980 Oct; 22(3):115–23

Basal cell adenoma: review of the literature and report of case. Anderson JH, et al. **J Oral Surg** 1980 Nov; 38(11):844–6

Monomorphic adenoma of minor salivary glands: a reappraisal and report of nine new cases. Levine J, et al. **J Oral Surg** 1981 Feb;39(2):101–7

Sialadenoma papilliferum. McCoy JM, et al. **J Oral Surg** 1980 Sep;38(9):691–3

Sialadenoma papilliferum: report of case. Nasu M, et al. **J Oral Surg** 1981 May;39(5):367–9

Basal cell adenomas of the minor salivary glands. A clinicopathologic study of seventeen new cases and a review of the literature. Fantasia JE, et al. **Oral Surg** 1980 Nov;50(5):433–40

Acinic cell tumors of minor salivary glands. Gardner DG, et al. **Oral Surg** 1980 Dec;50(6):545–51

[Fibrosarcoma of the submaxillary gland] Gaillard de Collogny L, et al. **J Fr Otorhinolaryngol** 1980 Jun; 29(6):391–3, 395–6 **(Fre)**

[Malignant non-Hodgkin type lymphomas of the main salivary glands. A report on 11 cases (author's transl)] Aben-Moha JG, et al. **Rev Stomatol Chir Maxillofac** 1981; 82(1):15–21 (Eng. Abstr.) **(Fre)**

[Primary lymphoma of the sublingual gland. A case report (author's transl)] Lachard J, et al. **Rev Stomatol Chir Maxillofac** 1981;82(1):3–6 (Eng. Abstr.) **(Fre)**

[Anatomoclinical sessions of the Instituto Nacional de Oncología] **Rev Esp Oncol** 1980;27(4):719–22 **(Spa)**

RADIOGRAPHY

Computed tomography and sialography: 2. Pathology. Carter BL, et al. **J Comput Assist Tomogr** 1981 Feb;5(1):46–53

RADIOTHERAPY

The role of radiotherapy in the treatment of malignant tumors of the salivary glands. Reinfuss M, et al. **Tumori** 1980 Aug 31;66(4):467–74

[Malignant non-Hodgkin lymphomas of the lymphoid ring, paranasal sinuses and salivary glands: results of radiation therapy from 1951 to 1976 (author's transl)] Greiner R, et al. **Strahlentherapie** 1980 Nov;156(11):742–9 (Eng. Abstr.) **(Ger)**

SURGERY

Intra-oral minor salivary gland tumours--a study of 25 cases. Lee ST. **Ann Acad Med Singapore** 1980 Jul;9(3):306–12

Major salivary gland tumours. Rauff A, et al. **Ann Acad Med Singapore** 1980 Jul;9(3):300–5

Tumors of major and minor salivary glands: clinical and pathologic features. Attie JN, et al. **Curr Probl Surg** 1981 Feb;18(2):65–155 (228 ref.)

The overall management of salivary gland disorders. Eichel BS, et al. **Laryngoscope** 1981 Apr;91(4):504–11

The incidence of neoplastic versus inflammatory disease in major salivary gland masses diagnosed by surgery. Gallia LJ, et al. **Laryngoscope** 1981 Apr;91(4):512–6

[Carcinoma of the frontal palatal arches originating in the paratonsillar region] Navrátil J. **Cesk Otolaryngol** 1980 Aug;29(4):226–31 (Eng. Abstr.) **(Cze)**

[Benign tumors of the major salivary glands] Polcrová A, et al. **Cesk Otolaryngol** 1981 Jun;30(3):132–7 (Eng. Abstr.) **(Cze)**

THERAPY

Adenoid cystic carcinoma of the minor salivary glands: long-term survival with planned combined therapy. Rice DH. **Arch Otolaryngol** 1981 Feb;107(2):128

[Malignant tumors of the submandibular gland] Dvořáková J, et al. **Cesk Otolaryngol** 1981 Jun;30(3):153–6 (Eng. Abstr.) **(Cze)**

[Diseases of the major salivary glands in childhood] Dvořáková J, et al. **Cesk Otolaryngol** 1981 Jun;30(3):146–52 (Eng. Abstr.) **(Cze)**

[Results of combined radiosurgical therapy of malignant salivary gland tumors] Fröhlich D, et al. **Z Aerztl Fortbild (Jena)** 1980 Oct 1;74(19):901–4 **(Ger)**

ULTRASTRUCTURE

Mixed tumor of minor salivary gland--an unusual case. Mardirossian G, et al. **J Oral Med** 1981 Jan–Mar;36(1):4–6

Langerhans' cells in a pleomorphic adenoma of submandibular salivary gland. David R, et al. **J Pathol** 1980 Jun;131(2):127–35

[Ultrastructure of adenoid-cystic carcinoma as a sign of malignity (comparison of ultramicroscopical investigations concerning adenoid-cystic carcinoma and adeno-carcinoma of salivary glands) (author's transl)] Bienengräber V. **Arch Geschwulstforsch** 1981;51(3):262–72 (Eng. Abstr.) **(Ger)**

SALIVARY GLAND TUMOR, MIXED see **MIXED SALIVARY GLAND TUMOR**

SALIVARY GLAND VIRUS DISEASE see **CYTOMEGALIC INCLUSION DISEASE**

SALIVARY GLAND VIRUSES see **CYTOMEGALOVIRUSES**

SALIVARY GLANDS

Salivary gland choristoma of the middle ear. Cannon CR. **Am J Otol** 1980 Apr;1(4):250–1

Adenocarcinoma in heterotopic salivary tissue. Ludmer B, et al. **Arch Otolaryngol** 1981 Sep;107(9):547–8

Adenoid cystic carcinoma of the minor salivary glands: long-term survival with planned combined therapy. Rice DH. **Arch Otolaryngol** 1981 Feb;107(2):128

Acinic cell carcinoma arising in ectopic salivary gland tissue. Perzin KH, et al. **Cancer** 1980 Mar 1;45(5):967–72

Heterotopic salivary tissue and branchial cleft sinus. Goodman RS, et al. **Laryngoscope** 1981 Feb;91(2):260–4

Heterotopic salivary tissue and branchial cleft sinus [letter] Himalstein MR. **Laryngoscope** 1981 Jul;91(7):1200–1

Ectopic salivary gland in the vulva (choristoma): report of a case and review of the literature. Marwah S, et al. **Obstet Gynecol** 1980 Sep;56(3):389–91

[Carcinoma of the frontal palatal arches originating in the paratonsillar region] Navrátil J. **Cesk Otolaryngol** 1980 Aug;29(4):226–31 (Eng. Abstr.) **(Cze)**

[Mixed tumor of an ectopic salivary gland. Presentation of a case] Caironi C, et al. **Minerva Chir** 1981 May 15; 36(9):621–4 (Eng. Abstr.) **(Ita)**

ANALYSIS

Separate 5-hydroxytryptamine receptors on the salivary gland of the blowfly are linked to the generation of either cyclic adenosine 3',5'-monophosphate or calcium signals. Berridge MJ, et al. **Br J Pharmacol** 1981 Jul;73(3):729–38

Tissue-specific expression of mouse-alpha-amylase genes: nucleotide sequence of isoenzyme mRNAs from pancreas and salivary gland. Hagenbüchle O, et al. **Cell** 1980 Aug; 21(1):179–87

On localization of kallikrein in the human pancreas and salivary glands by direct immunofluorescence [letter] Ole-Moiyoi O, et al. **J Histochem Cytochem** 1980 Dec; 28(12):1359

[Histochemical demonstration of sialic acid-containing compounds in the CNS of mice and goldfish by means of the mPAT ('mild' periodic acid-thionine)-method (author's transl)] Heppelmann B, et al. **Histochemistry** 1981; 70(2):199–203 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Qualitative and quantitative observations on the histology of human labial salivary glands obtained post mortem. Scott J. **J Biol Buccale** 1980 Sep;8(3):187–200

[Current results of morphological studies on the salivary glands] Donáth T. **Fogorv Sz** 1980 Dec;73(12):381–3 (Eng. Abstr.) **(Hun)**

[Current information on sexual dimorphism of the large salivary glands of mammals] Gerlovin ESh, et al. **Usp Sovrem Biol** 1979 Jul–Aug;88(4):125–40 (97 ref.) **(Rus)**

CYTOLOGY

Glycoconjugates in salivary glands of rats during postnatal development. Menghi G, et al. **Anat Anz** 1981; 149(3):226–31

Cellular origin of secretory granules in murine salivary glands. Nieuw Amerongen AV, et al. **Cell Biol Int Rep** 1981 May;5(5):465

A modified autoradiography technique applicable to coverglass cell cultures. Marshall W, et al. **Med Lab Sci** 1980 Oct;37(4):355–7

Histological and histochemical study of rat salivary glands during their postnatal development. Carpen E, et al. **Morphol Embryol (Bucur)** 1980 Jul–Sep;26(3):259–64

DRUG EFFECTS

Enlargement of salivary glands upon the combined effect of isoproterenol and of a cholesterol synthesis inhibitor (SC-12937). Valle LB, et al. **Gen Pharmacol** 1980; 11(6):507–11

Effect of neural stimulation on acinar cell membrane potentials in isolated pancreas and salivary gland segments. Nishiyama A, et al. **Membr Biochem** 1980;3(1–2):49–66

Effect of some venoms on salivary gland activity. Berridge MJ, et al. **Toxicon** 1980;18(5–6):716–8

ENZYMOLOGY

Isolation and characterization of four inhibitors from wheat flour which display differential inhibition specificities for human salivary and human pancreatic alpha-amylases. O'Connor CM, et al. **Biochim Biophys Acta** 1981 Apr 14; 658(2):387–96

Induction of tyrosine aminotransferase by pyridoxine in Drosophila hydei. Belew K, et al. **Chromosoma** 1981; 82(1):99–106

Immunohistochemical localization of dipeptidyl aminopeptidase IV in rat kidney, liver, and salivary glands. Fukasawa KM, et al. **J Histochem Cytochem** 1981 Mar; 29(3):337–43

The disappearance of dopamine-beta-hydroxylase from the rat salivary glands after extirpation of the superior cervical ganglion. Häggendal J. **J Neural Transm** 1980;48(4):249–59

Continuous automated assay of alpha-amylase release from superfused rat salivary gland. Templeton D. **J Pharmacol Methods** 1980 Nov;4(3):189–95

[Quantitative kinetic study of the histochemical reaction to peroxidase in salivary gland and uterine cells of golden hamsters] Loktionov AS, et al. **Tsitologiia** 1981 May; 23(5):588–93 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Cellular immunity to secretory IgA (as a common duct antigen of exocrine glands) in Sjögren's syndrome. Ichikawa Y, et al. **Tokai J Exp Clin Med** 1980 Apr; 5(2):211–6

INNERVATION

Neuronal VIP in salivary glands: distribution and release. Uddman R, et al. **Acta Physiol Scand** 1980 Sep;110(1):31–8

Functional and structural studies concerning the control of activity in zygomatic glands of cats. Al-Gailani M, et al. **J Auton Nerv Syst** 1981 Feb;3(1):71–86

Autonomic innervation of salivary glands in the armadillo, anteater, and sloth (Edentata). Rossoni RB, et al. **J Morphol** 1981 May;168(2):151–7

METABOLISM

Biosynthesis and characterization of heat shock proteins in Chironomus tentans salivary glands. Tanguay RM, et al. **Can J Biochem** 1981 Jan;59(1):67–73

Activation of Balbiani ring genes in Chironomus tentans after a pilocarpine-induced depletion of the secretory products from the salivary gland lumen. Mähr R, et al. **Dev Biol** 1980 Dec;80(2):409–18

Synthesis and release of glucagon by human salivary glands. Pérez-Castillo A, et al. **Diabetologia** 1980 Aug;19(2):123–9

The kallikrein-kinin system in exocrine organs. Orstavik TB. **J Histochem Cytochem** 1980 Aug;28(8):881–9 (101 ref.)

Neuropeptides in salivary glands. Polak JM, et al. **J Histochem Cytochem** 1980 Aug;28(8):871–3

Decreased salivary gland accumulation of pertechnetate in neonatal hypothyroidism [letter] Spencer RP, et al. **J Nucl Med** 1981 Jan;22(1):96

Electrophysiological evidence for the existence of separate receptor mechanisms mediating the action of 5-hydroxytryptamine. Berridge MJ. **Mol Cell Endocrinol** 1981 Jul;23(1):91–104

Similar effects of substance P and related peptides on salivation and on phosphatidylinositol turnover in rat salivary glands. Hanley MR, et al. **Mol Pharmacol** 1980 Jul;18(1):78–83

An electrophysiological study of the effects of ionophore A23187 on Nauphoeta salivary glands. Mitchell MR, et al. **Q J Exp Physiol** 1980 Oct;65(4):309–20

[Role of salivary glands in extrarenal production of erythropoietin] Gerina LS. **Fiziol Zh SSSR** 1980 Sep; 66(9):1412–7 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Isolation and characterization of a cytomegalovirus from the salivary gland of a squirrel monkey (Saimiri sciureus). Rangan SR, et al. **Lab Anim Sci** 1980 Jun;30(3):532–40

PATHOLOGY

Acinic cell carcinoma of minor salivary gland origin. Hutchinson JC Jr. **Am J Otolaryngol** 1981 Feb;2(1):54–8

Pathologic quiz case 1. Lyle JP. **Arch Otolaryngol** 1981 Aug; 107(8):520–1

Necrotizing sialometaplasia. Giles AD. **Br J Oral Surg** 1980 Jun;18(1):45–50

Oncocytic cardiomyopathy in an infant with oncocytosis in exocrine and endocrine glands. Silver MM, et al. **Hum Pathol** 1980 Nov;11(6):598–605

Necrotizing sialometaplasia: report of an ulcerative case. Birkholz H, et al. **J Am Dent Assoc** 1981 Jul;103(1):48–50

Nodular and ulcerated lesions of the hard palate. Buller DL. **J Am Dent Assoc** 1980 Nov;101(5):823–4

Monomorphic adenoma of the minor salivary glands. Mader CL, et al. **J Am Dent Assoc** 1981 May;102(5):657–9

Basal cell adenoma: review of the literature and report of case. Anderson JH, et al. **J Oral Surg** 1980 Nov; 38(11):844–6

Sialadenoma papilliferum. McCoy JM, et al. **J Oral Surg** 1980 Sep;38(9):691–3

Sialadenoma papilliferum: report of case. Nasu M, et al. **J Oral Surg** 1981 May;39(5):367–9

Necrotizing sialometaplasia. Gavron JP, et al. **Laryngoscope** 1981 Jul;91(7):1176–80

Acinic cell tumors of minor salivary glands. Gardner DG, et al. **Oral Surg** 1980 Dec;50(6):545–51

The asymptomatic smooth palatal mass. A dangerously deceptive growth. Johnson JT, et al. **Postgrad Med** 1980 Sep;68(3):96–104

Necrotizing lesions in Sjögren's syndrome. I. An immunofluorescent study. Friedman H, et al. **Z Rheumatol** 1980 Jan–Feb;39(1–2):28–32

[Biopsy findings in labial salivary glands in Sjögren's syndrome] Dřizhal I, et al. **Cesk Stomatol** 1981 Mar; 81(2):117–24 (Eng. Abstr.) **(Cze)**

[Necrotizing sialometaplasia] Piette F, et al. **Ann Dermatol Venereol** 1980 Aug–Sep;107(8–9):821–4 **(Fre)**

[Quantitative assessment of labial salivary gland sclerosis in patients with diffuse scleroderma (author's transl)] Kazandjian S, et al. **Nouv Presse Med** 1981 Feb 7; 10(5):317–8,323 (Eng. Abstr.) **(Fre)**

[Labial salivary gland biopsy in Gougerot-Sjögren's syndrome: a clinico-pathological, histoenzymological and ultrastructural study (author's transl)] Chomette G, et al. **Virchows Arch [Pathol Anat]** 1981;392(3):339–54 (Eng. Abstr.) **(Fre)**

[Changes of the lip salivary glands in glossodynia. Histologic and morphometric analysis (author's transl)] Luhn JP, et al. **HNO** 1981 Jan;29(1):10–6 (Eng. Abstr.) **(Ger)**

[Mucoceles of the minor salivary glands. Extravasation mucoceles (mucus granulomas) and retention mucoceles (mucus retention cysts) (author's transl)] Seifert G, et al. **HNO** 1981 Jun;29(6):179–91 (Eng. Abstr.) **(Ger)**

[A note on necrotizing sialometaplasia] Tyszkiewicz S, et al. **Patol Pol** 1980 Oct–Dec;31(4):603–8 **(Pol)**

[Cytogram of salivary glands punctate and secretion in chronic sialodochitis] Kats AG, et al. **Lab Delo** 1981; (7):396–8 **(Rus)**

PHYSIOLOGY

A comparative study of the location of mobile dispersed genes in salivary gland and midgut polytene chromosomes of Drosophila melanogaster. Ananiev EV, et al. **Chromosoma** 1981;82(3):429–35

Sialochemistry in diseases and clinical situations affecting salivary glands. Mandel ID. **CRC Crit Rev Clin Lab Sci** 1980;12(4):321–66 (205 ref.)

Influence of desalivation on acid secretory output and gastric mucosal integrity in the rat. Skinner KA, et al. **Gastroenterology** 1981 Aug;81(2):335–9

On the role of calcium in the electrical responses of cockroach salivary gland cells to dopamine. Ginsborg BL, et al. **J Physiol (Lond)** 1980 Jun;303:325–35

A calcium-readmission response recorded from Nauphoeta salivary gland acinar cells. Ginsborg BL, et al. **J Physiol (Lond)** 1980 Jul;304:437–47

Accelerated mammary cancer development by fetal salivary mesenchyma isografted to adult mouse mammary epithelium. Sakakura T, et al. **JNCI** 1981 May;66(5):953–9

Effect of neural stimulation on contractile system (myoepithelial cells) in isolated salivary gland segments of rat. Nishiyama A, et al. **Membr Biochem** 1980;3(4):317–28

PHYSIOPATHOLOGY

[Morphofunctional characteristics of human minor salivary glands in Sjögren's syndrome] Perminova IS. **Stomatologiia (Mosk)** 1981 May–Jun;60(3):9–11 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Radiation injury in surgical pathology. Part III. Salivary glands, pancreas and skin. Fajardo LF, et al. **Am J Surg Pathol** 1981 Apr;5(3):279–96

Some factors influencing salivary function when treating with radiotherapy. Mira JG, et al. **Int J Radiat Oncol Biol Phys** 1981 Apr;7(4):535–41

[Effect of ionizing radiation on the salivary glands of dogs irradiated in toto with dosages approaching LD 50/30 days] Maillart D. **Rev Odontostomatol (Paris)** 1981 Mar–Apr;10(2):171–4 **(Fre)**

[Effects of radiotherapy on the salivary gland as measured by 99mTcO4- (author's transl)] Tsujii H, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1980 May; 40(5):485–93 (Eng. Abstr.) **(Jpn)**

RADIONUCLIDE IMAGING

Radionuclide salivary imaging usefulness in a private otolaryngology practice. Schall GL, et al. **Arch Otolaryngol** 1981 Jan;107(1):40–4

A computer-assisted method for semi-quantitative assessment of salivary gland diseases. De Rossi G, et al. **Eur J Nucl Med** 1980 Dec;5(6):499–503

[The diagnosis of sarcoidosis with gallium-67. A case report] van Heerden PD, et al. **S Afr Med J** 1981 Feb 21; 59(8):265–6 (Eng. Abstr.) **(Afr)**

[Functional scintigraphic analysis of the salivary glands; a test for evaluating submaxillary salivation after sectioning of the chorda tympani] Bruschni P, et al. **Ann Laringol Otol Rinol Faringol** 1978 Jul–Aug;76(4):381–9 (Eng. Abstr.) **(Ita)**

SECRETION

Transmembrane and transepithelial movement of calcium during stimulus-secretion coupling. O'Doherty J, et al. **Am J Physiol** 1981 Aug;241(2):G150–8

Secretion of monovalent ions and water in ferret salivary glands: a micropuncture study. Mangos JA, et al. **J Dent Res** 1981 Mar;60(3):733–7

Impaired salivary gland secretory function following the induction of rapid, synchronous vitamin A deficiency in rats. Anzano MA, et al. **J Nutr** 1981 Mar;111(3):496–504

[Functional scintigraphic analysis of the salivary glands; a test for evaluating submaxillary salivation after sectioning of the chorda tympani] Bruschni P, et al. **Ann Laringol Otol Rinol Faringol** 1978 Jul–Aug;76(4):381–9 (Eng. Abstr.) **(Ita)**

SURGERY

The influence of sialoadenectomy, thymectomy and starvation on liver glycogen in the rat. Paulo E.

Acta Physiol Acad Sci Hung 1979;54(3):277–80

ULTRASTRUCTURE

Chromosome abnormalities associated with salivary gland epithelial cell lines transformed in vitro and in vivo with evidence of a role for genetic imbalance in transformation. Cowell JK. **Cancer Res** 1981 Apr;41(4):1508–17

Pyridoxine induced puffing (II–48 C) and synthesis of a 40 KD protein in Drosophila hydei salivary glands. Brady T, et al. **Chromosoma** 1981;82(1):89–98

Concomitant induction of a Balbiani ring and a giant secretory protein in Chironomus salivary glands. Edström JE, et al. **Chromosoma** 1980;81(1):115–24

Diameter of the cell–to–cell junctional membrane channels as probed with neutral molecules. Schwarzmann G, et al. **Science** 1981 Jul 31;213(4507):551–3

Necrotizing lesions in Sjögren's syndrome. II. An electron microscopic study. Friedman H, et al. **Z Rheumatol** 1980 Mar–Apr;39(3–4):79–83

[Ultrastructure of adenoid–cystic carcinoma as a sign of malignity (comparison of ultramicroscopical investigations concerning adenoid–cystic carcinoma and adeno–carcinoma of salivary glands) (author's transl)] Bienengräber V. **Arch Geschwulstforsch** 1981;51(3):262–72 (Eng. Abstr.) **(Ger)**

SALIVARY GLANDS, MINOR see under **SALIVARY GLANDS**

SALIVARY PROTEINS

Comparison of serum vitamin B12 estimation by saturation analysis with intrinsic factor and with R–protein as binding agents. Zacharakis R, et al. **J Clin Pathol** 1981 Apr; 34(4):357–60

ANALYSIS

Electrophoretic protein pattern of human parotid saliva in Sjögren's syndrome and sialosis. Benedek–Spät E, et al. **Acta Otolaryngol (Stockh)** 1980 Sep–Oct;90(3–4):275–82

Characterization of a glycopeptide from the proline–rich glycoprotein of human parotid saliva. Li HC, et al. **Arch Oral Biol** 1980;25(5):353–5

Sequences translated by Balbiani ring 75S RNA in vitro are present in giant secretory protein from Chironomus tentans. Rydlander L, et al. **Chromosoma** 1980;81(1):101–13

Human saliva and semen: evidence for proteins common to both which do not occur in serum. Eckersall PD, et al. **Clin Sci** 1981 Feb;60(2):179–84

Primary structure of the active tryptic fragments of human and monkey salivary anionic proline–rich proteins. Schlesinger DH, et al. **Int J Pept Protein Res** 1981 Jan; 17(1):34–41

[Immunoglobulin and total protein concentrations in saliva of healthy children (author's transl)] Tympner KD, et al. **Klin Paediatr** 1980 Sep;192(5):448–52 (Eng. Abstr.) **(Ger)**

[Total protein level in the saliva and the appearance of human dental calculus] Witek E, et al. **Czas Stomatol** 1980 May; 33(5):389–94 (Eng. Abstr.) **(Pol)**

[Presence of an insulinlike protein in the submandibular salivary glands of man and agricultural animals] Shubnikova EA, et al. **Arkh Anat Gistol Embriol** 1980 Jul; 79(7):64–9 (Eng. Abstr.) **(Rus)**

[Determination of genetically polymorphic Pa, Pr and Db protein systems in human saliva] Sigal ER. **Biol Nauki** 1981; (5):84–7 **(Rus)**

[Localization of insulin–like protein in the submaxillary glands of laboratory animals] Kulabukhova TK, et al. **Biull Eksp Biol Med** 1980 Aug;90(8):224–7 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

Concomitant induction of a Balbiani ring and a giant secretory protein in Chironomus salivary glands. Edström JE, et al. **Chromosoma** 1980;81(1):115–24

Age–related changes in the cellular level of amylase and protein synthesis in the rat parotid gland. Kim SK. **J Dent Res** 1981 Mar;60(3):738–47

GENETICS

Polymorphism of Ps (parotid size variant) and detection of a protein (PmS) related to the Pm (parotid middle band) system with genetic linkage of Ps and Pm to Gl, Db, and Pr genetic determinants. Azen EA, et al. **Biochem Genet** 1980 Jun;18(5–6):483–501

Cell–free synthesis and immunological characterization of salivary proteins from Chironomus tentans. Hardy PA, et al. **Chromosoma** 1980;81(3):403–17

Large sized nascent protein as dominating component during protein synthesis in Chironomus salivary glands. Rydlander L, et al. **Chromosoma** 1980;81(1):85–99

Frequencies of salivary genetic marker systems in Caucasians with an emphasis on Pm and Ph systems. Minaguchi K, et al. **Forensic Sci Int** 1981 Jan–Feb;17(1):5–7

Inheritance of a parotid secretory protein in mice and its use in determining salivary amylase quantitative variants. Owerbach D, et al. **Genetics** 1980 May;95(1):129–41

Salivary peroxidase, Pm, and Ph protein polymorphisms in Malasians.. Noraini I, et al. **Hum Genet** 1980;56(2):205–7

Heritable salivary proteins and dental disease. Friedman RD, et al. **Hum Hered** 1980;30(6):372–5

METABOLISM

The adsorption in vitro of purified salivary proteins on bovine dental enamel. Juriaanse AC, et al. **Arch Oral Biol** 1981; 26(2):91–6

Factors affecting the adsorption of salivary acidic proline–rich proteins to hydroxyapatite. Bennick A, et al. **Caries Res** 1981;15(1):9–20

Lipolytic activity of rat submaxillary salivary gland protein extracts. Paluszak J, et al. **FEBS Lett** 1981 May 18; 127(2):215–6

Interaction of parotid saliva basic glycoprotein with Streptococcus sanguis ATCC 10557. Shibata S, et al. **J Periodontol** 1980 Sep;51(9):499–504

Gustin concentration changes relative to salivary zinc and taste in humans. Shatzman AR, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3867–71

PHARMACODYNAMICS

Dissolution of hydroxyapatites treated with salivary glycoproteins and fluoride. Voegel JC, et al. **Caries Res** 1981;15(3):243–9

PHYSIOLOGY

Fibrinolytic activity of salivary euglobulin fractions precipitated at pH 5.9 or 6.4 before and after mixing with blood. Gersel–Pedersen N. **Int J Oral Surg** 1980 Jun; 9(3):190–7

SECRETION

The effects of epinephrine, norepinephrine, and phenylephrine on the types of proteins secreted by rat salivary glands. Abe K, et al. **J Dent Res** 1980 Oct; 59(10):1627–34

parallel secretion of secretory proteins and calcium by the rat parotid gland. Kanagasuntheram P, et al. **J Physiol (Lond)** 1981 Mar;312:445–54

SALIVATION

see related **SIALORRHEA**

Electromyography (EMG) and sialometry in the prognosis of Bell's palsy. A methodological study of early investigated, untreated patients. Blom S, et al. **Acta Otolaryngol (Stockh)** 1981 Mar–Apr;91(3–4):289–95

Acid–base and electrolyte alterations associated with salivary loss in the pony. Stick JA, et al. **Am J Vet Res** 1981 May; 42(5):733–7

The saliva priming effect, eating speed and the measurement of hunger. Hodgson RJ, et al. **Behav Res Ther** 1980; 18(4):243–7

What does the lemon test measure? Corcoran DW, et al. **Biol Psychol** 1980 Jun;10(4):277–81

Salivary and gastric secretions in patients with tropical sprue. Nagwani PL, et al. **Digestion** 1980;20(6):383–8

Functional and structural studies concerning the control of activity in zygomatic glands of cats. Al–Gailani M, et al. **J Auton Nerv Syst** 1981 Feb;3(1):71–86

Effect of prolonged electrical stimulation of the head of the caudate nucleus on secretory reflexes to food in dogs. Danilova LK. **Neurosci Behav Physiol** 1981 Jan–Feb; 11(1):3–9

The superior and inferior salivatory nuclei in the rat. Nicholson JE, et al. **Neurosci Lett** 1981 Jan 20;21(2):149–54

Heat–induced saliva secretion and thermoregulation in female rats with ventromedial hypothalamic lesions. Flynn FW, et al. **Physiol Behav** 1981 May;26(5):779–82

A comparative study of salivation in affective disorders. Amin M, et al. **Psychiatr Clin (Basel)** 1980;13(2):119–24

The long–term effect of energy intake on salivation, hunger, and appetite ratings, and estimates of energy intake in obese patients. Durrant ML, et al. **Psychosom Med** 1980 Jul; 42(4):385–95

[Salivation during hyperthermia in human beings (author's transl)] Massonnet B, et al. **J Physiol (Paris)** 1980 Nov; 76(6):601–3 (Eng. Abstr.) **(Fre)**

[Clinical studies of gustatory evoked response (author's transl)] Yanagisawa S. **Kokubyo Gakkai Zasshi** 1980 Dec; 47(4):526–40 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Saliva secretion following long–term antidepressant treatment with nortriptyline controlled by plasma levels. Bertram U, et al. **Acta Psychiatr Scand [Suppl]** 1981; 63(Suppl 290):357–63

Studies on the mechanisms of L–dopa–induced salivary secretion. Pazo JH, et al. **Eur J Pharmacol** 1981 Jan 29; 69(3):255–61

Effect of drugs interacting with adrenergic mechanisms and of adrenalectomy on pilocarpine–induced salivation in mice. Jha RJ, et al. **Indian J Med Res** 1980 Dec;72:923–6

Similar effects of substance P and related peptides on salivation and on phosphatidylinositol turnover in rat salivary glands. Hanley MR, et al. **Mol Pharmacol** 1980 Jul;18(1):78–83

[Eledoisin stimulation of salivary secretion in dogs] Bevilacqua R, et al. **Boll Soc Ital Biol Sper** 1979 May 15; 55(9):901–6 (Eng. Abstr.) **(Ita)**

SALK VACCINE see **POLIOVIRUS VACCINE**

SALMEFAMOL see under **ETHANOLAMINES**

SALMINE see under **PROTAMINES**

SALMON

Mercury, arsenic, cadmium, selenium and zinc in human hair and salmon fries in Iceland. Jóhannesson T, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Feb;48(2):185–9

Structure of thyroid and adrenal glands in rats fed diets of Great Lakes coho salmon (Oncorhynchus kisutch). Leatherland JF, et al. **Environ Res** 1980 Oct;23(1):77–86

The effects of salmon oil upon plasma lipids, lipoproteins, and triglyceride clearance. Harris WS, et al. **Trans Assoc Am Physicians** 1980;93:148–55

IHNV persistently infects chinook salmon embryo cells. Engelking HM, et al. **Virology** 1981 Feb;109(1):47–58

ANATOMY & HISTOLOGY

Effects of petroleum hydrocarbons and chlorinated biphenyls on the morphology of the intestine of chinook salmon (Oncorhynchus tshawytscha). Hawkes JW, et al. **Environ Res** 1980 Oct;23(1):149–61

BLOOD

[Changes in the concentration of sodium in the blood of the Atlantic salmon Salmo salar during ontogeny] Chernitskii AG. **Zh Evol Biokhim Fiziol** 1980 Jul–Aug;16(4):398–401 (Eng. Abstr.) **(Rus)**

GENETICS

Protein variation and duplicate loci in the Atlantic salmon, Salmo salar L. Cross TF, et al. **Genet Res** 1980 Oct; 36(2):147–65

Joint segregation of biochemical loci in Salmonidae. II. Linkage associations from a hybridized salvelinus genome (S. namaycush X S. fontinalis). May B, et al. **Genetics** 1980 Jul;95(3):707–26

[Intrapopulational differences of genome structures in two structures of salmon–like fishes] Kosiuk GN, et al. **Mol Biol (Mosk)** 1981 May–Jun;15(3):647–53 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

The potential for using the anabolic hormones 17 alpha–methyltestosterone and (or) 3,5,3'–triiodo–L–thyronine in the fresh water rearing of coho salmon (Oncorhynchus kisutch) and the effects on subsequent seawater performance. Fagerlund UH, et al. **Can J Zool** 1980 Aug;58(8):1424–32

IMMUNOLOGY

Precipitins in the serum of the Atlantic salmon. Alexander JB. **Dev Comp Immunol** 1980 Fall;4(4):641–51

METABOLISM

Characterization of hydroxyindole–O–methyltransferase (HIOMT) from the pineal gland of chinook salmon (Oncorhynchus tshawytscha). Birks EK, et al. **Gen Comp Endocrinol** 1981 Mar;43(3):269–76

Photoperiod effects on hydroxyindole–O–methyltransferase activity in the pineal gland of chinook salmon (Oncorhynchus tshawytscha). Birks EK, et al. **Gen Comp Endocrinol** 1981 Mar;43(3):277–83

Radioimmunoassay of cortisol in the adult Atlantic salmon, Salmo salar L. Weisbart M, et al. **Gen Comp Endocrinol** 1981 Mar;43(3):364–9

Mono–oxygenase activities of coho salmon (Oncorhynchus kisutch) liver microsomes using three polycyclic aromatic hydrocarbon substrates. Schnell JV, et al. **Xenobiotica** 1980 Mar;10(3):229–34

[Analysis of fatty acid composition in milt of Oncorhynchus keta by gas chromatography–mass spectrometry (author's transl)] Kinoshita Y, et al. **Yakugaku Zasshi** 1980 Aug; 100(8):807–10 (Eng. Abstr.) **(Jpn)**

[Immunobiologic features of insulin of the humpbacked salmon Oncorhynchus gorbucha and the species specific radioimmune system for its determination] Bondareva VM, et al. **Zh Evol Biokhim Fiziol** 1980 Sep–Oct;16(5):518–21 (Eng. Abstr.) **(Rus)**

[Extraction of lithium ions from fresh water by Lampetra fluviatilis lampreys and Oncorhynchus nerka salmon in natural ecosystems] Fleishman DG, et al. **Zh Evol Biokhim Fiziol** 1980 Jul–Aug;16(4):329–35 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

The effect of fungicides on survival of the crayfish plague fungus, Aphanomyces astaci, Oomycetes, growing on fish scales. Häll L, et al. **Mycopathologia** 1980 Nov 28; 72(3):131–4

PARASITOLOGY

Studies on the parasite fauna of juvenile Atlantic salmon, Salmo salar L., cultured in fresh water in eastern Scotland. Wootten R, et al. **Z Parasitenkd** 1980;63(3):221–31

PHYSIOLOGY

Angiotensin and single nephron glomerular function in the trout Salmo gairdneri. Brown JA, et al. **Am J Physiol** 1980 Nov;239(5):R509–14

Lethality of permethrin, cypermethrin and fenvalerate to salmon, lobster and shrimp. McLeese DW, et al. **Bull Environ Contam Toxicol** 1980 Dec;25(6):950–5

Degranulation of the stannius corpuscles of coho salmon (Oncorhynchus kisutch) in response to ionic changes in vitro. Aida K, et al. **Gen Comp Endocrinol** 1980 Jul; 41(3):305–13

Changes in the corpuscles of Stannius of coho salmon (Oncorhynchus kisutch) during smoltification and seawater adaptation. Aida K, et al. **Gen Comp Endocrinol** 1980 Jul; 41(3):296–304

Antibody inhibition of vitellogenesis and oocyte maturation in salmon and flounder. Ng TB, et al. **Gen Comp Endocrinol** 1980 Jun;41(2):233–9

Lunar phasing of the thyroxine surge preparatory to seaward migration of salmonid fish. Grau EG, et al. **Science** 1981 Feb 6;211(4482):607–9

Separation of basic parameters of decompression using fingerling salmon. D'Aoust BG, et al. **Undersea Biomed Res** 1980 Sep;7(3):199–209

SALMONELLA

Enterotoxins of enteric bacteria--a review. Kétyi I. **Ann Immunol Hung** 1979;19:9–24 (125 ref.)

Attachment of Salmonella spp. to chicken muscle surfaces. Thomas CJ, et al. **Appl Environ Microbiol** 1981 Jul; 42(1):130–4

Role of complement in endotoxin initiated lethality in mice. Curry BJ, et al. **Immunopharmacology** 1979 Mar;1(2):125–35

Use of a transport medium in the search for Salmonella carriers--is it worthwhile? Korting HC, et al. **Med Microbiol Immunol (Berl)** 1980;168(2):149–51

Indolent neutrophil response to endotoxin in newborn rats. Schuit KE, et al. **Pediatr Res** 1981 Jan;15(1):47–9

Salmonella toxin. Peterson JW. **Pharmacol Ther** 1980; 11(3):719–24 (42 ref.)

Salmonella and other pathogenic bacteria. Bonde GJ. **Sci Total Environ** 1981 Apr;18:1–11

[Examination of 112 strains of Salmonella abortus ovis (author's transl)] Sanchis R, et al. **Comp Immunol Microbiol Infect Dis** 1980;3(4):517–23 **(Fre)**

[The removal of salmonellae in waste water by bacteriophages (author's transl)] Müller HE. **Zentralbl Bakteriol [B]** 1980 Feb;170(1–2):82–7 (Eng. Abstr.) **(Ger)**

ANALYSIS

In vitro polymerization of polyhook protein from Salmonella SJW880. Aizawa SI, et al. **Biochim Biophys Acta** 1980 Oct 21;625(2):291–303

Synthesis of oligosaccharide phosphates: fragments of the biosynthetic intermediates of Salmonella O-specific polysaccharides. Danilov LL, et al. **Carbohydr Res** 1980 Dec 1;87(1):141–6

Ascertainment of the presence in enterobacteriaceae of mixtures of proteins with salmonellae and E. coli specificities. Barber C. **Zentralbl Bakteriol [A]** 1980; 248(3):345–51

CLASSIFICATION

Five new Salmonella serovars of subgenera I, II and III, and three serological variants. Aleksić S, et al. **Ann Microbiol (Paris)** 1980 May–Jun;131(3):291–6

Sub-classification of phage types of Salmonella weltevreden and typing of strains by an extended phage typing scheme. Sood LR, et al. **Antonie Van Leeuwenhoek** 1980; 46(5):467–73

Bacteriophage typing of Salmonella weltevreden. Sood Lr, et al. **Antonie Van Leeuwenhoek** 1979;45(4):595–604

Isolates typed by the Salmonella Reference Laboratory and the E. coli serotyping laboratory during 1978. Dixon SF. **Aust Vet J** 1980 Mar;56(3):150–1

Evaluation of Urea–motility–indole medium for recognition and differentiation of Salmonella and Shigella species in stool cultures. Rosa Fraile M, et al. **J Clin Microbiol** 1980 Sep;12(3):310–3

Three new serotypes of Salmonella. Sutch KE, et al. **J Clin Microbiol** 1980 Jun;11(6):748–9

A new type of Salmonella for further investigation. Mohieldin MS, et al. **J Egypt Med Assoc** 1978; 61(11–12):789–94

Salmonella and Arizona serotypes from animals and related sources reported during fiscal year 1978. Blackburn BO, et al. **Proc Annu Meet US Anim Health Assoc** 1979; (83):394–409

The sero–fermentative–phage types of Salmonella weltevreden. Garg DN, et al. **Zentralbl Bakteriol [A]** 1980 Jun;247(1):43–9

Improvement of the polyvalent Salmonella phage's O–1 diagnostic value by addition of a phage specific for the O groups E1–E4. Güdel K, et al. **Zentralbl Bakteriol [A]** 1981;249(2):220–4

[Supplement No XXIII (1979) to Kauffmann–White scheme (author's transl)] Le Minor L, et al. **Ann Microbiol (Paris)** 1980 Sep–Oct;131B(2):185–90 (Eng. Abstr.) **(Fre)**

[Initial observations in Upper–Volta on 41 serotypes of Salmonella isolated at Muraz Center] Saliou P, et al. **Bull Soc Pathol Exot Filiales** 1979 May–Jun;72(3):193–8 (Eng. Abstr.) **(Fre)**

[Origin and frequency of the serotypes of Salmonella isolated in France and received in the French National Center during the years 1977–1979 (author's transl)] Le Minor L, et al. **Rev Epidemiol Sante Publique** 1981;29(1):45–55 (Eng. Abstr.) **(Fre)**

[Results of phage typing of Salmonella typhi and Salmonella paratyphi–B in the years 1974–1978 from the Federal Republic of Germany including Berlin (West) (author's transl)] Brandis H, et al. **Zentralbl Bakteriol [A]** 1980; 247(4):440–59 (Eng. Abstr.) **(Ger)**

[Salmonella bruck: a new salmonella–serotype (6,7:z:l, w) (author's transl)] Burkhardt F, et al. **Zentralbl Bakteriol [A]** 1981 Aug;249(3):418–20 (Eng. Abstr.) **(Ger)**

[A new serotype of Salmonella: 'Salmonella pisa (16:i:l,w)' (author's transl)] Levré E, et al. **Ann Sclavo** 1979 Nov–Dec; 21(6):863–5 (Eng. Abstr.) **(Ita)**

[Spread of salmonellae in public parks with pigeon droppings: comparison of serotypes and biotypes between strains isolated from pigeons and from human patients (author's transl)] Miyazaki K, et al. **Kansenshogaku Zasshi** 1981 Feb; 55(2):83–91 (Eng. Abstr.) **(Jpn)**

[Pattern of bacteriophage differentiation of Salmonella agona] Tyc Z. **Med Dosw Mikrobiol** 1980;32(1):17–22 (Eng. Abstr.) **(Pol)**

DRUG EFFECTS

Evaluation of the in vitro activity of nifuroxazide on enteropathogenic microorganisms: determination of bacteriostatic and bactericidal concentrations and disk susceptibility. Vanhoof R, et al. **Acta Clin Belg** 1981; 36(3):126–9

In vitro transfer of multiple resistance observed in vivo during a Salmonella london epidemic. Lantos J, et al. **Acta Microbiol Acad Sci Hung** 1980;27(1):47–53

In vitro susceptibility of Salmonella to various antimicrobial agents, including a new cephalosporin, Ro 13–9904. Chau PY, et al. **Antimicrob Agents Chemother** 1981 Jan;19(1):8–11

Drug resistance in Salmonellae isolated at Chandigarh (India) during 1972–1978. Agarwal KC, et al. **Antonie Van Leeuwenhoek** 1980;46(4):383–90

A survey of drug resistance in salmonellae isolated from animals in England and Wales from 1975 to 1978. Sojka WJ, et al. **Br Vet J** 1980 Sep–Oct;136(5):463–77

DNA–damaging activity in vivo and bacterial mutagenicity of sixteen hydrazine derivatives as related quantitatively to their carcinogenicity. Parodi S, et al. **Cancer Res** 1981 Apr;41(4):1469–82

Antibiotic resistance in salmonellae [letter] Collins JD, et al. **Ir Med J** 1980 Aug;73(8):284

Effect of dietary salt, arsenic and copper additions and waste management systems on selected microbial organisms in swine wastes. Sutton AL, et al. **J Anim Sci** 1980 Oct; 51(4):791–7

Furazolidone resistance in Salmonella gallinarum: the relationship between in vitro and in vivo determinations of resistance. Smith HW, et al. **J Hyg (Lond)** 1981 Aug; 87(1):71–81

Increase in antibiotic resistance among isolates of Salmonella in the United States, 1967–1975. Ryder RW, et al. **J Infect Dis** 1980 Oct;142(4):485–91

Comparison of liquid and agar–solidified defined media regarding the physiological mechanism by which beta–2–thienylalanine inhibits growth of Escherichia, Shigella, and Salmonella cultures. Brown KJ, et al. **Microbiol Immunol** 1980;24(7):603–15

A survey on drug resistance and R plasmids in Salmonella isolated from domestic animals in Japan. Terakado N, et al. **Nippon Juigaku Zasshi** 1980 Oct;42(5):543–50

Antibiotic sensitivity of salmonellae isolated from animal feed ingredients. Yoshimura H, et al. **Nippon Juigaku Zasshi** 1980 Oct;42(5):595–7

Formalin destruction of salmonellae in poultry litter. Williams JE. **Poult Sci** 1980 Dec;59(12):2717–24

Plasmid–mediated antimicrobial drug resistance in Salmonella dublin in food animals [letter] Threlfall EJ, et al. **Vet Rec** 1979 Jul 7;105(1):20–1

[Drug resistance of Salmonella strains isolated from poultry] Giurov B. **Vet Med Nauki** 1980;17(6–7):38–43 (Eng. Abstr.) **(Bul)**

[A study of chloramphenicol resistance in 'Salmonella' and identification of the relevant R plasmid (author's transl)] Petit S, et al. **Ann Microbiol (Paris)** 1981 Jan–Feb; 132A(1):69–80 (Eng. Abstr.) **(Fre)**

[Surveillance of drug resistance in pathogenic enterobacteria in Algeria. I. Study of the resistance of major and minor Salmonella species to antibiotics in 1973–1974] Mered B, et al. **Arch Inst Pasteur Alger** 1977;52:17–35 (Eng. Abstr.) **(Fre)**

[Salmonellae in the district of Catanzaro: dynamics of serologic types and of sensitivity to antibiotics (author's transl)] Cannistrà S, et al. **Ann Sclavo** 1980 Jan–Feb; 22(1):63–76 (Eng. Abstr.) **(Ita)**

[Multiple transmissible resistance in Salmonella strains] Borrata S, et al. **G Ital Chemioter** 1979 Jan–Dec; 26(1–2):383–4 **(Ita)**

['S. wien' and 'S. bredeney' plasmidic resistance to disinfectant agents and antibiotics (author's transl)] Levré E, et al. **Quad Sclavo Diagn** 1979 Jun;15 Suppl 1:770–6 (Eng. Abstr.) **(Ita)**

[The incidence and variation of transferable antibiotic–resistance in Salmonella strains isolated in Modena in the years 1975–1977 (author's transl)] Manicardi G, et al. **Quad Sclavo Diagn** 1979 Jun;15 Suppl 1:679–84 (Eng. Abstr.) **(Ita)**

[On the antibiotic–sensitivity in vitro of Salmonellae isolated from imported meats (III). Results of the isolates in 1976 to 1978 (author's transl)] Kawanishi T, et al. **Eisei Shikenjo Hokoku** 1980;98:144–8 (Eng. Abstr.) **(Jpn)**

[Drug resistance of Salmonella and Shigella strains isolated from soldiers in the tropics] Matras J. **Przegl Epidemiol** 1980;34(4):445–9 (Eng. Abstr.) **(Pol)**

[Resistance to chemotherapeutic agents in strains of Salmonella isolated during the period of 1977–1979] Lucinescu S, et al. **Rev Ig [Bacteriol]** 1980 Jul–Sep; 25(3):179–88 (Eng. Abstr.) **(Rum)**

[Sensitivity of Salmonella species to four 'classical' antibiotics and seven new beta–lactamic antibiotics (author's transl)] Roy C, et al. **Med Clin (Barc)** 1980 Nov 10;75(8):327–30 (Eng. Abstr.) **(Spa)**

GENETICS

Incidence of R factors in coliform, fecal coliform, and Salmonella populations of the Red River in Canada. Bell JB, et al. **Appl Environ Microbiol** 1980 Sep;40(3):486–91

Antibiotic resistance and R–plasmids in food chain Salmonella: evidence of plasmid relatedness. Bezanson GS, et al. **Appl Environ Microbiol** 1981 Mar;41(3):585–92

Distribution of citrate utilization plasmids in Salmonella strains of bovine origin in Japan. Ishiguro N, et al. **Appl Environ Microbiol** 1980 Sep;40(3):446–51

Selection of bacterial mutants from Salmonella specifically recognizing determinants on the cell surface of activated T lymphocytes. A novel system to define cell surface structures. Lehmann V, et al. **Eur J Immunol** 1980 Sep; 10(9):685–93

Genetical relationship between R plasmids derived from Salmonella and Escherichia coli obtained from a pig farm, and its epidemiologial significance. Ishiguro N, et al. **J Hyg (Lond)** 1980 Jun;84(3):365–79

Mechanism of N–hydroxy–2–acetylaminofluorene mutagenicity in the Salmonella test system. Role of N–O acyltransferase and sulfotransferase from rat liver. Wirth PJ, et al. **Mol Pharmacol** 1981 Mar;19(2):337–44

The Salmonella mutagenicity assay: reproducibility [letter] Peak MJ, et al. **Mutat Res** 1980 Oct;74(5):399–400

Characterization of citrate–utilizing (Cit) ability of citrate–positive Escherichia coli variants: stability and transferability of citrate utilization among Escherichia coli, Shigella and Salmonella strains. Asagi M, et al. **Nippon Juigaku Zasshi** 1980 Aug;42(4):407–15

Analysis of the nucleotide sequence of an invertible controlling element. Zieg J, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4196–200

Phase variation: evolution of a controlling element. Simon M, et al. **Science** 1980 Sep 19;209(4463):1370–4

[Drug–resistance markers from Salmonellae in Pasteurella multocida] Karaivanov L, et al. **Vet Med Nauki** 1980; 17(6–7):27–30 (Eng. Abstr.) **(Bul)**

[Characterization of R plasmids in 'Salmonella typhi' and 'S. paratyphi B' from Algeria (author's transl)] Akache W, et al. **Ann Microbiol (Paris)** 1980 May–Jun;131(3):265–70 (Eng. Abstr.) **(Fre)**

[Preparation of stable Salmonella vaccine strains through combination of 2 independently attenuating markers with no limitation on growth] Linde K. **Arch Exp Veterinaermed** 1980;34(1):19–32 (Eng. Abstr.) **(Ger)**

[R factor in Salmonella strains isolated from urban sewage to be used in agriculture] Prażmo Z. **Przegl Epidemiol** 1980; 34(3):249–58 (Eng. Abstr.) **(Pol)**

[Characteristics of the plasmid complex in Salmonella suipestifer] Pekhov AA. **Zh Mikrobiol Epidemiol Immunobiol** 1981 May;(5):48–51 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Factors affecting salmonellae repopulation in composted sludges. Russ CF, et al. **Appl Environ Microbiol** 1981 Mar; 41(3):597–602

Devitalization of salmonellae in fish meals with propionic acid. Rejholec J. **Comp Immunol Microbiol Infect Dis** 1980; 3(4):501–8

Survival of Salmonella dublin in pig slurry during aerobic thermophilic treatment in batch, cyclic and continuous systems. Ginnivan MJ, et al. **J Appl Bacteriol** 1980 Aug; 49(1):13–8

Growth of Salmonella on chilled meat. Mackey BM, et al. **J Hyg (Lond)** 1980 Aug;85(1):115–24

Reptilian salmonellosis [editorial] **Lancet** 1981 Jul 18; 2(8238):130–1

[Growth of salmonella R–mutants in submersed cultures. 2. Influence of growth phases on the lipopolysaccharide content of the bacteria and on the chemical composition and serological behavior of the lipopolysaccharides (author's transl)] Schlecht S, et al. **Zentralbl Bakteriol [A]** 1980;248(3):352–67 **(Ger)**

[Salmonella destruction by heating during the customary preparation of dehydrated food products (author's transl)] Ruschke R. **Zentralbl Bakteriol [B]** 1980;170(5–6):529–38 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Radioimmunoassay for detection of IgG antibodies against enterobacterial antigens. Zeckel M, et al. **Am J Med Sci** 1980 Nov–Dec;280(3):151–6

Factors affecting the ability of various strains of Enterobacteriaceae to induce tumour resistance in mice. Vingelis V, et al. **Aust J Exp Biol Med Sci** 1980 Apr; 58(2):123–31

Studies on the use of 9R strain of Salmonella gallinarum as a vaccine in chickens. Silva EN, et al. **Avian Dis** 1981 Jan–Mar;25(1):38–52

Killing of the S and Re forms of Salmonella minnesota via the classical pathway of complement activation in guinea-pig and human sera. Clas F, et al. **Immunology** 1980 Aug;40(4):547–56

The fate of temperature-sensitive salmonella mutants in vivo in naturally resistant and susceptible mice. Hormaeche CE, et al. **Immunology** 1981 Apr;42(4):569–76

Antibody-independent binding of the first component of complement (C1) and its subcomponent C1q to the S and R forms of Salmonella minnesota. Clas F, et al. **Infect Immun** 1981 Mar;31(3):1138–44

Reducing terminus of O-hapten accumulated in a Salmonella montevideo galE mutant. Heasley FA. **J Bacteriol** 1981 Jan;145(1):624–7

Enrichment culture coagglutination test for rapid, low-cost diagnosis of salmonellosis. Sanborn WR, et al. **J Clin Microbiol** 1980 Aug;12(2):151–5

Heightened lung bactericidal activity in mice after aerosol immunization with Re 595 Salmonella minnesota: importance of cellular rather than humoral factors. LaForce FM, et al. **J Infect Dis** 1980 Sep;142(3):421–31

Unusual antigenic composition of an Arizona strain. Barber C. **Microbios** 1980;27(109 110):145–9

Production and application of a live Salmonella gallinarum vaccine. Cameron CM, et al. **Onderstepoort J Vet Res** 1979 Dec;46(4):185–9

Immune response and disease resistance in chickens. I. Selection for high and low titer to Salmonella pullorum antigen. Pevzner IY, et al. **Poult Sci** 1981 May;60(5):920–6

Protective effect of immunization with Salmonella minnesota Re 595 against ascending Escherichia coli O6K13H1 pyelonephritis in rats. Larsson P, et al. **Scand J Infect Dis [Suppl]** 1980;Suppl 24:220–3

The antigenic relationship between Candida and Salmonella O:6(2), O:7 antigens. Aksoycan N, et al. **Zentralbl Bakteriol [A]** 1980 Aug;247(3):406–9

The O antigenic relationships amongst Dekkera, Hanseniaspora, Escherichia coli O:75, Salmonella cholerae-suis and Salmonella aberdeen. Aksoycan N, et al. **Zentralbl Bakteriol [A]** 1980;248(1):45–9

Occurrence of seroagglutinins against a polyvalent preparation of commonly occurring Salmonella somatic groups in farm animals and man. Kaura YK, et al. **Zentralbl Bakteriol [A]** 1981 Feb;248(4):479–87

A pilot study of the potency of a combined Newcastle disease (fowl pox) fowl typhoid vaccine. I. The Newcastle disease component. Adene DF, et al. **Zentralbl Veterinaermed [B]** 1980;27(4):320–5

[Chemical and physicochemical properties of the H antigen (flagellin) isolated from Salmonella abortus ovis] Ivanova V. **Vet Med Nauki** 1980;17(6–7):95–100 (Eng. Abstr.) **(Bul)**

[Testing of bacterial mutants as potential vaccine strains] Koch H. **Arch Exp Veterinaermed** 1980;34(1):43–50 (Eng. Abstr.) **(Ger)**

[Results of oral application of Salmonella dublin live vaccine to calves] Meyer H. **Arch Exp Veterinaermed** 1980; 34(1):99–104 (Eng. Abstr.) **(Ger)**

[Suisaloral 'Dessau'—a Salmonella cholerae suis live vaccine for oral, parenteral and combined applications] Schöll W, et al. **Arch Exp Veterinaermed** 1980;34(1):91–7 (Eng. Abstr.) **(Ger)**

[High-immunogenic mutants of Salmonella with two independently of each other attenuating markers as potential vaccines from bacteria capable of multiplication. I. communication: usefulness of the purin-auxotrophy for the isolation of high-immunogenic and stable double-marker strains (author's transl)] Linde K. **Zentralbl Bakteriol [A]** 1981;249(2):203–14 (Eng. Abstr.) **(Ger)**

[Active immunization to experimental salmonellosis in mice protective properties of Salmonella R mutants against infection with different pathogenic Salmonella species (author's transl)] Schlecht S. **Zentralbl Bakteriol [A]** 1981 Aug;249(3):362–72 (Eng. Abstr.) **(Ger)**

[Modifications of the fluorescence method for detecting salmonella in feces] Bisicchia R, et al. **Boll Ist Sieroter Milan** 1979 Nov 30;58(5):382–90 (Eng. Abstr.) **(Ita)**

[Aspects of immune response induced by bacteria treated with subinhibiting doses of fosfomycin] Viano I, et al. **G Ital Chemioter** 1979 Jan–Dec;26(1–2):281–4 **(Ita)**

[Antisalmonellal agglutination in liver cirrhosis and chronic hepatitis] Santacroce P, et al. **Minerva Med** 1981 Jul 14; 72(28):1875–8 (Eng. Abstr.) **(Ita)**

[Determination of Shigella and Salmonella antigens by the coagglutination reaction in patients with acute intestinal infectious diseases] Bunin KV, et al. **Sov Med** 1981;(5):9–13 (Eng. Abstr.) **(Rus)**

[H-erythrocyte diagnostics based on Salmonella phage-lysates] Kandelaki NE, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Apr;(4):103–4 **(Rus)**

[Relation between relative hemosensitive activity and molecular patterns of lipopolysaccharides] Karal'nik BV. **Zh Mikrobiol Epidemiol Immunobiol** 1981 May;(5):89–93 (Eng. Abstr.) **(Rus)**

[Antigenic relationships between S. cholerae-suis 211, S. cholerae-suis var. kunzendorf 1350, S. cholerae-suis var. kunzendorf 5210, and S. thompson strains (author's transl)] Aksoycan N, et al. **Mikrobiyol Bul** 1979 Jul;13(3):310–2 (Eng. Abstr.) **(Tur)**

[Diagnosis of some yeasts in Metschnikowia genus with the aid of Salmonella cholerae-suis O agglutinating serum (author's transl)] Aksoycan N. **Mikrobiyol Bul** 1980 Apr; 14(2):117–9 (Eng. Abstr.) **(Tur)**

[The antigenic relationships between Candida albicans, Salmonella cholerae suis, and Salmonella cholerae suis var. Kunzendorf O antigens] Aksoycan N, et al. **Mikrobiyol Bul** 1979 Jan;13(1):89–92 (Eng. Abstr.) **(Tur)**

[The antigenic relationship between Salmonella 0:7 antigen and Debaromyces hansenii and its synonym strains] Aksoycan N. **Mikrobiyol Bul** 1979 Jan;13(1):97–9 (Eng. Abstr.) **(Tur)**

[Brettanomyces strains and the Salmonella 0:7 antigen] Aksoycan N. **Mikrobiyol Bul** 1979 Jan;13(1):93–5 (Eng. Abstr.) **(Tur)**

[Antigenic relationships between Salmonella choleraesuis strains and Torulopsis (author's transl)] Cicioğlu R, et al. **Mikrobiyol Bul** 1979 Oct;13(4):377–81 (Eng. Abstr.) **(Tur)**

ISOLATION & PURIFICATION

Salmonella and shigella surveillance in Hungary 1972–1976. I. Salmonella surveillance. Rudnai O, et al. **Acta Microbiol Acad Sci Hung** 1981;28(1):37–52

Salmonella, arizona, Shigella and Aeromonas isolated from the snail Achatina achatina in Nigeria. Obi SK, et al. **Antonie Van Leeuwenhoek** 1980;46(5):475–81

Lizards in the ecology of salmonellosis in Panama. Kourany M, et al. **Appl Environ Microbiol** 1981 May;41(5):1248–53

Incidence of salmonellae in fecal samples of production swine and swine at slaughter plants in the United States in 1978. McKinley GA, et al. **Appl Environ Microbiol** 1980 Sep; 40(3):562–6

Delayed secondary enrichment for the isolation of salmonellae from broiler chickens and their environment. Rigby CE, et al. **Appl Environ Microbiol** 1980 Oct; 40(4):783–6

Rapid radiometric method for detection of Salmonella in foods. Stewart BJ, et al. **Appl Environ Microbiol** 1980 Aug; 40(2):223–30

The isolation of Salmonella from jejunal and caecal lymph nodes of slaughtered animals. Moo D, et al. **Aust Vet J** 1980 Apr;56(4):181–3

The contamination with Salmonella of bovine livers in an abattoir. Samuel JL, et al. **Aust Vet J** 1980 Nov; 56(11):526–8

Salmonellae on posts, hand-rails and hands in a beef abattoir. Smeltzer T, et al. **Aust Vet J** 1980 Apr;56(4):184–6

Microbiological quality of Queensland stockfeeds with special reference to salmonella. Smeltzer T, et al. **Aust Vet J** 1980 Jul;56(7):335–8

Examination of stockfeeds for Salmonella. Thomas RJ, et al. **Aust Vet J** 1981 Feb;57(2):69–71

Dissemination of Salmonella in broiler-chicken operations. Bhatia TR, et al. **Avian Dis** 1980 Jul–Sep;24(3):616–24

A comparison of culturing drag swabs and litter for identification of infections with Salmonella spp. in commercial chicken flocks. Kingston DJ. **Avian Dis** 1981 Apr–Jun;25(2):513–6

The influence of native gut microflora on the colonization and infection of Salmonella gallinarum in chickens. Silva EN, et al. **Avian Dis** 1981 Jan–Mar;25(1):68–73

The occurrence of salmonellae during the rearing of broiler birds. Morgan-Jones SC. **Br Poult Sci** 1980 Nov; 21(6):463–70

Sources of salmonellae in an uninfected commercially-processed broiler flock. Rigby CE, et al. **Can J Comp Med** 1980 Jul;44(3):267–74

Flock infection and transport as sources of salmonellae in broiler chickens and carcasses. Rigby CE, et al. **Can J Comp Med** 1980 Jul;44(3):328–37

Importation of salmonellae with aquarium species. Trust TJ, et al. **Can J Microbiol** 1981 May;27(5):500–4

Isolation of Salmonella (3,10: r:-) from animals and its public health importance. Kumar AA, et al. **Indian J Med Res** 1981 May;73:693–6

Salmonella pattern in India. Saxena SN, et al. **Indian J Med Res** 1980 Aug;72:159–68

Carriage of Salmonella species by laboratory animals. Srivastava L, et al. **Indian J Pathol Microbiol** 1980 Jan; 23(1):69–71

The occurrence of salmonellae in free-flying-avifauna: isolation and antibiogram. Sharma VD, et al. **Int J Zoonoses** 1980 Jun;7(1):54–7

The occurrence of salmonellae in rodent, shrew, cockroach and ant. Singh SP, et al. **Int J Zoonoses** 1980 Jun;7(1):58–61

Pathogenic organisms isolated from faecal specimens at Dublin Public Health Laboratory over a seventeen month period. Dillon ME, et al. **Ir Med J** 1980 Nov;73(11):437–9

Spreading of salmonellas during cattle slaughtering. Stolle A. **J Appl Bacteriol** 1981 Apr;50(2):239–45

Isolation of Salmonellae from wall lizards and non agglutinating vibrios from frogs. Gupta BR, et al. **J Commun Dis** 1980 Sep;12(3):148–50

Salmonellosis in Indonesia: phage-type of Salmonella oranienburg obtained from hospitalized patients in Jakarta, Indonesia. Cobet AB, et al. **J Hyg (Lond)** 1981 Apr; 86(2):227–36

Salmonellae isolated from domestic meat waste. Durrant DS, et al. **J Hyg (Lond)** 1981 Jun;86(3):259–64

Seagulls (Larus spp.) as vectors of salmonellae: an investigation into the range of serotypes and numbers of salmonellae in gull faeces. Fenlon DR. **J Hyg (Lond)** 1981 Apr;86(2):195–202

Salmonella isolation with Rappaport's medium after pre-enrichment in buffered peptone water using a series of inoculum ratios. Harvey RW, et al. **J Hyg (Lond)** 1980 Aug;85(1):125–8

Isolation of Salmonella with the use of 100 ml of the R10 modification of Rappaport's enrichment medium. Vassiliadis P, et al. **J Hyg (Lond)** 1981 Aug;87(1):35–41

Observations on the occurrence of Salmonella cholerae-suis and other salmonellas in two herds of feeder pigs. Williams DR, et al. **J Hyg (Lond)** 1981 Jun;86(3):369–77

From the Centers for Disease Control. Reported isolates of Salmonella from cerebrospinal fluid in the United States, 1968--1979. Wilson R, et al. **J Infect Dis** 1981 Mar; 143(3):504–6

A rapid and simple method for distinguishing colonies of proteus from those of Salmonella and Shigella. Senior BW. **J Med Microbiol** 1981 Feb;14(1):151–2

The occurrence of enteric bacteria on lettuce leaves sold in local markets in Penang, Malaysia. Chapman SJ. **Med J Malaysia** 1980 Sep;35(1):7–8

Human salmonella isolates—United States, 1980. **MMWR** 1981 Aug 14;30(31):377–9

Prevalence of salmonellae on eggs from poultry farms in New York State. Baker RC, et al. **Poult Sci** 1980 Feb; 59(2):289–92

The status of Salmonella in dressed poultry and pork products. Green SS. **Proc Annu Meet US Anim Health Assoc** 1979;(83):410–8

The salmonella problem with particular reference to meat hygiene. Watson WA. **R Soc Health J** 1981 Aug; 101(4):163–9

Isolation of Salmonella from mesenteric lymph nodes of healthy cattle at slaughter. Samuel JL, et al. **Res Vet Sci** 1980 Mar;28(2):238–41

Distribution of Salmonella in the carcases of normal cattle at slaughter. Samuel JL, et al. **Res Vet Sci** 1980 May; 28(3):368–72

Salmonella dublin infection in self contained dairy herds in East Anglia: excretion at calving. Counter DE, et al. **Vet Rec** 1980 Aug 30;107(9):191–3

Arizona 26:29:30 in sheep in the United Kingdom. Hall ML, et al. **Vet Rec** 1980 Dec 20;107(25–26):581–2

Incidence of Salmonella in recently imported tortoises. Savage M, et al. **Vet Rec** 1980 Jun 28;106(26):558

Effect of feed additives on the incidence of naturally acquired Salmonella in turkeys. Smith H, et al. **Vet Rec** 1980 Sep 20;107(12):289

Epidemiological studies on Salmonella in a certain area ('Walcheren Project'). IV. The incidence of Salmonella in the sewage system, in the faeces of man and pets as well as in shops, kitchens and lavatories in the village of Aagtekerke. Oosterom J, et al. **Zentralbl Bakteriol [A]** 1980 Nov;248(2):190–201

Salmonella agona isolated from fish meal and a Salmonella strain isolated from shrimps in Lebanon. Roumani BM, et al. **Zentralbl Bakteriol [B]** 1981 Jan;172(4–5):411–4

Laboratory induced variations in a standardized Salmonella isolation method. van Schothorst M, et al. **Zentralbl Bakteriol [B]** 1980;171(2–3):224–30

[Survey for the presence of Salmonella in the inside waterways of the city of Ghent] van Oye E, et al. **Arch Belg Med Soc** 1980 Jul;38(7):427–35 **(Dut)**

[Epidemiological studies on Salmonella in a particular area ('Walcheren Project'). V. Studies on the possibility of fattening pigs free from Salmonella (author's transl)] Oosterom J, et al. **Tijdschrift Voor Diergeneeskd** 1981 Jun 15;106(12):599–612 (Eng. Abstr.) **(Dut)**

[9 new Salmonella serotypes isolated in Africa and the Antilles] Le Minor S, et al. **Bull Soc Pathol Exot Filiales** 1981 Mar–Apr;74(2):149–54 (Eng. Abstr.) **(Fre)**

[Study of Salmonellae in sewage of Chambery town: epidemiological relations and efficiency of water treatment plant (author's transl)] Gautier Y, et al. **Rev Epidemiol Sante Publique** 1980 Dec 30;28(4):443–60 (Eng. Abstr.) **(Fre)**

[Comparative quantitative studies of the determination of sublethally damaged salmonellas in animal meal] Wernery U, et al. **Berl Muench Tieraerztl Wochenschr** 1981 Jan 1; 94(1):14–6 (Eng. Abstr.) **(Ger)**

[The Salmonella problem in carcass-rendering plants. 2. Recontamination of carcass meal by salmonellas] Bisping W, et al. **Berl Munch Tieraerztl Wochenschr** 1981 May 15; 94(10):195–7 (Eng. Abstr.) **(Ger)**

[The Salmonella problem in carcass-rendering plants. 1. Salmonellas in carcass meal] Kempf G, et al. **Berl Munch Tieraerztl Wochenschr** 1981 May 15; 94(10):189–94 (Eng. Abstr.) **(Ger)**

[The Salmonella problem in carcass-rendering plants. 3. Prevention of recontamination of the 'clean side' with salmonellas by cleaning and disinfection] Strauch D, et al. **Berl Munch Tieraerztl Wochenschr** 1981 May 15; 94(10):198–201 (Eng. Abstr.) **(Ger)**

[Incidence and specificity of Salmonella bacteria in West German military personnel. Efficient Salmonella carrier diagnosis] Korting HC, et al. **Med Welt** 1980 Aug 22; 31(34):1205–8 **(Ger)**

[Enteric infections by Salmonella: occurrence of positive blood cultures, positive urine cultures and high antibody titres (author's transl)] Maretić Z, et al. **Zentralbl Bakteriol [A]** 1981;249(2):215–9 (Eng. Abstr.) **(Ger)**

[Comparative efficacies of selenite and tetrathionate broth and Leifson- and Wilson-Blair agar for the isolation of salmonellae (author's transl)] Müller HE. **Zentralbl Bakteriol [A]** 1980 Nov;248(2):202–9 (Eng. Abstr.) **(Ger)**

[Salmonellae isolated in Gela in 1976/78 and their antibiotic sensitivity] Lento FG. **G Batteriol Virol Immunol** 1979 Jan-Jun;72(1–6):143–59 (Eng. Abstr.) **(Ita)**

[Proposed changes of procedure in studies on Salmonella and Shigella carrier states] Halasa J. **Pol Tyg Lek** 1980 Dec 8;35(49):1929–30 **(Pol)**

[Salmonella isolated from city sewage for agricultural use] Pražmo Z. **Przegl Epidemiol** 1980;34(2):147–53 (Eng. Abstr.) **(Pol)**

[Isolation of Salmonella from marine shellfish] Lopes CA, et al. **Arq Inst Biol (Sao Paulo)** 1979 Jul-Dec;46(3–4):103–6 (Eng. Abstr.) **(Por)**

[River water self-purification of Salmonellae] Aleshnia VV. **Gig Sanit** 1981 Jan;(1):73–4 **(Rus)**

[Salmonella distribution in open reservoirs] Androsova SV, et al. **Gig Sanit** 1980 Sep;(9):85 **(Rus)**

[Biological characteristics of a species variant of S. dublin] Zakardonets VS, et al. **Lab Delo** 1980;(8):494–5 **(Rus)**

[Salmonella infection of meat and meat products] Zvolibovskii VA, et al. **Vopr Pitan** 1981 Jan-Feb;(1):60–3 (Eng. Abstr.) **(Rus)**

[Salmonella serotypes isolated in Turkey up to the middle of 1979 (author's transl)] Aksoycan N. **Mikrobiyol Bul** 1980 Jan;14(1):73–6 (Eng. Abstr.) **(Tur)**

[The cases of S. essen enteritis (author's transl)] Aksoycan N, et al. **Mikrobiyol Bul** 1980 Apr;14(2):139–40 (Eng. Abstr.) **(Tur)**

METABOLISM

An institutional outbreak of Salmonellosis due to lactose-fermenting Salmonella newport. Anand CM, et al. **Am J Clin Pathol** 1980 Nov;74(5):657–60

The distribution of lipopolysaccharide in normocomplementemic and C3-depleted rabbits and rhesus monkeys. Mathison JC, et al. **Am J Pathol** 1980 Nov; 101(2):245–63

Sulfur isotope fractionation by Proteus vulgaris and Salmonella heidelberg during the reduction of thiosulfate. McCready RG, et al. **Can J Microbiol** 1980 Oct; 26(10):1173–7

Plasmid-specified sucrose fermentation in Salmonella arizonae. Bartlett KH, et al. **J Gen Microbiol** 1980 Nov; 121(1):255–7

Effects of receptor destruction by Salmonella bacteriophages epsilon 15 and c341. Bayer ME, et al. **Virology** 1980 Sep; 105(2):328–37

[Production of enterotoxins by different enteropathogenic bacteria with the aid of the rabbit ligated ileum test] Zeller H, et al. **Arch Inst Pasteur Madagascar** 1980;47(1):49–63 **(Fre)**

[Bacteriocinogeny among Salmonella] Korneva EP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Apr;(4):97–8 **(Rus)**

PATHOGENICITY

The virulence of salmonella strains for chickens: their excretion by infected chickens. Smith HW, et al. **J Hyg (Lond)** 1980 Jun;84(3):479–88

Infections caused by Salmonella cholera-suis [letter] Givner LB. **J Pediatr** 1981 Sep;99(3):502

Bacterial virulence factors--with particular reference to Salmonella bacteria. Lindberg AA. **Scand J Infect Dis [Suppl]** 1980;Suppl 24:86–92 (48 ref.)

PHYSIOLOGY

Interaction between Salmonella bacteria and mammalian nonprofessional phagocytes. Kilhström E. **Am J Clin Nutr** 1980 Nov;33(11 Suppl):2491–501

Attachment of Salmonella spp. to chicken muscle surfaces. Thomas CJ, et al. **Appl Environ Microbiol** 1981 Jul; 42(1):130–4

Detection of R plasmids with a restrictive effect on phage-bacteria Salmonella systems. Rusu V, et al. **Arch Roum Pathol Exp Microbiol** 1980 Oct-Dec; 39(4):341–52

Association with HeLa cells of LPS mutants of Salmonella typhimurium and Salmonella minnesota in relation to their physicochemical surface properties. Kihlström E, et al. **Cell Biophys** 1980 Sep;2(3):177–89

Cytoplasmic pH mediates pH taxis and weak-acid repellent taxis of bacteria. Kihara M, et al. **J Bacteriol** 1981 Mar; 145(3):1209–21

[Devitalization of salmonellal bacteria in boiled and smoked sausages] Iordanov I, et al. **Vet Med Nauki** 1980; 17(6-7):87–94 (Eng. Abstr.) **(Bul)**

[Multiresistant Salmonella strains in slaughtering calves (letter)] Overgoor GH. **Tijdschr Diergeneeskd** 1981 Apr 1;106(7):372 **(Dut)**

[Field biology and infection cycles of salmonellae] Breer C. **Schweiz Arch Tierheilkd** 1981 Feb;123(2):89–96 (Eng. Abstr.) **(Ger)**

[The tenacity of bacteria in the airborne state. I. Experimental examinations for the determination of the kill constant beta biol for E. coli, Salmonella spp. and P. multocida (author's transl)] Müller W, et al. **Zentralbl Bakteriol [B]** 1981 Jan; 172(4–5):367–76 **(Ger)**

[Evaluation of the interaction of Bacterium alcalescens strains with shigellae and salmonellae] Man'kovskiĭ AV, et al. **Mikrobiol Zh** 1980 Jul-Aug;42(4):470–6 **(Rus)**

ULTRASTRUCTURE

Micro-video study of discontinuous growth of bacterial flagellar filaments in vitro. Ishihara A, et al. **J Mol Biol** 1980 May 25;139(3):265–76

SALMONELLA ARIZONAE see under **SALMONELLA**

SALMONELLA ENTERITIDIS

Effects of endotoxin from different bacteria on ovum transport in rabbits. Harper MJ, et al. **Biol Reprod** 1980 Oct;23(3):487–94

Enhanced sensitivity to endotoxin induced by the RE stimulant, glucan. Cook JA, et al. **Circ Shock** 1980; 7(3):225–38

Fever and trace metal changes in endotoxin-challenged neonates. Blatteis CM, et al. **Pfluegers Arch** 1981 Jan; 389(2):177–9

CYTOLOGY

Vector potential of the German cockroach (Dictyoptera: Blattellidae) in dissemination of Salmonella enteritidis serotype Typhimurium. Ash N, et al. **J Med Entomol** 1980 Sep 30;17(5):417–23

GENETICS

Mapping of genes determining penicillin-resistance and serum-sensitivity in Salmonella enteritidis. Myers DE, et al. **J Gen Microbiol** 1980 Jun;118(2):367–76

[Genetic variability of microorganisms, determined by R plasmids. III. Genetic properties of plasmid aggregates] Cebrat S. **Postepy Hig Med Dosw** 1980 Jan-Feb;34(1):29–45 (51 ref.) (Eng. Abstr.) **(Pol)**

IMMUNOLOGY

Opsonization of Salmonella enteritidis lipopolysaccharide in sickle cell disease. Field RJ, et al. **Pediatr Res** 1981 Feb; 15(2):107–11

ISOLATION & PURIFICATION

Salmonella enteritidis isolated from sputum: report of case. Arrow BB. **JAOA** 1981 May;80(9):609–12

[Infections by enteritis-salmonellae in newborn and premature infants] Handrick W, et al. **Z Aerztl Fortbild (Jena)** 1979 Nov 15;73(22):1056–7 **(Ger)**

METABOLISM

Characterization of Salmonella toxin released by mitomycin C-treated cells. Houston CW, et al. **Infect Immun** 1981 May;32(2):916–26

Cholera toxin-like toxin released by Salmonella species in the presence of mitomycin C. Molina NC, et al. **Infect Immun** 1980 Oct;30(1):224–30

SALMONELLA FOOD POISONING

COMPLICATIONS

Salmonella hadar peritonitis. Pascall CR, et al. **Br Med J** 1980 Jul 5;281(6232):26

Chronic Salmonella eimsbuettel septicaemia presenting with intermittent sweats and haematuria. Lowes JA, et al. **Postgrad Med J** 1980 Nov;56(661):792–3

[Case of food poisoning complicated by arrhythmia] Brodov LE, et al. **Klin Med (Mosk)** 1981 Jan;59(1):100–1 **(Rus)**

[Ankylosing spondyloarthritis, a form developing from post-salmonellosis rheumatism] Velasco Dominguez E, et al. **Rev Clin Esp** 1981 May 15;161(3):197–9 **(Spa)**

DIAGNOSIS

[Differential diagnosis between extrauterine pregnancy and food toxin infections (salmonellosis)] Starostina TA, et al. **Akush Ginekol (Mosk)** 1981 Feb;(2):45–7 **(Rus)**

[Diagnostic significance of secretory antibody indices in food toxicoinfections caused by salmonellae] Nechaev DN. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Jun;(6):108–9 **(Rus)**

DRUG THERAPY

Chloramphenicol-resistant Salmonella typhimurium meningitis in an adult. Ellis ME, et al. **Br Med J [Clin Res]** 1981 Jul 25;283(6286):273

ETIOLOGY

Human salmonella infection from poultry. Foley BV, et al. **Ir Med J** 1980 Mar;73(3):123–4

Hazards of untreated milk [editorial] **Lancet** 1981 Mar 28; 1(8222):705

Multistate outbreak of salmonellosis caused by precooked roast beef. **MMWR** 1981 Aug 21;30(32):391–2

Salmonella dublin associated with raw milk--Washington state. **MMWR** 1981 Aug 7;30(30):373–4

Salmonellosis associated with raw milk--Montana. **MMWR** 1981 May 15;30(18):211–2

[Salmonella-contaminated ice cream as the cause of food poisoning] Dreher M, et al. **Oeff Gesundheitswes** 1981 Mar; 43(3):142–5 **(Ger)**

[Salmonella infection epidemic caused by milk product contamination with Salmonella enteritidis in the Wroclaw Province in June 1978] Suchowiak T, et al. **Przegl Epidemiol** 1980;34(3):325–31 (Eng. Abstr.) **(Pol)**

[Food poisoning caused by S. san-diego (author's transl)] Doğanay M, et al. **Mikrobiyol Bul** 1979 Oct;13(4):386–7 (Eng. Abstr.) **(Tur)**

IMMUNOLOGY

[Immunoglobulins A in children with Salmonella infection] Jankowski A, et al. **Pediatr Pol** 1981 Feb;56(2):143–8 (Eng. Abstr.) **(Pol)**

[Pathogenetic role of immune complexes circulating in the blood of patients with alimentary toxicoinfections of salmonella etiology] Bunin KV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Dec;(12):54–7 **(Rus)**

MICROBIOLOGY

[Salmonella enteritidis in gastroenteritis in a day-nursery. Epidemiological observations in a primary food-borne infection] Rosdahl N. **Ugeskr Laeger** 1980 Oct 13; 142(42):2795–9 (Eng. Abstr.) **(Dan)**

OCCURRENCE

An institutional outbreak of Salmonellosis due to lactose-fermenting Salmonella newport. Anand CM, et al. **Am J Clin Pathol** 1980 Nov;74(5):657–60

Surveillance of food poisoning and salmonella infections in England and Wales: 1970--9. **Br Med J** 1980 Sep 20; 281(6243):817–8

Food poisoning and salmonellosis surveillance in England and Wales: 1979. **Br Med J** 1980 Nov 15;281(6251):1360–1

Surveillance of food poisoning and salmonella infections [letter] Miskelly FG, et al. **Br Med J** 1980 Oct 18; 281(6247):1069

[Incidence and prevention of food-borne Salmonella infections] Steensberg J. **Ugeskr Laeger** 1980 Oct 13; 142(42):2799–804 (Eng. Abstr.) **(Dan)**

[Food poisoning at the Eurotop Conference (letter)] Hanekamp AW. **Ned Tijdschr Geneeskd** 1981 Apr 25; 125(17):673–4 **(Dut)**

[Infectious enteritis (salmonellosis) - a new pestilence?] Leissner A. **ZFA (Stuttgart)** 1981 May 31;57(15):1180–7 **(Ger)**

[Collective food poisoning caused by Salmonella enteritidis in the Katowice province] Granicki O, et al. **Przegl Epidemiol** 1980;34(4):454–8 (Eng. Abstr.) **(Pol)**

PREVENTION & CONTROL

Prevention of salmonellosis [letter] Mossel DA, et al. **Lancet** 1981 Jul 25;2(8239):208

[Hygiene in mass catering establishments] Eschment R. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1980 Dec;30(12):472–6 **(Ger)**

TRANSMISSION

Person-to-person spread of Salmonella typhimurium phage type 10 after a common-source outbreak. Palmer SR, et al. **Lancet** 1981 Apr 18;1(8225):881–4

SALMONELLA HIRSCHFELDII see under **SALMONELLA**

SALMONELLA INFECTIONS

Salmonellosis. Patten RC. **Am Fam Physician** 1981 Jan; 23(1):113–7

Unusual aspects of Salmonella meningitis. Geiseler PJ, et al. **Clin Pediatr (Phila)** 1980 Oct;19(10):699–703

Spontaneous Arizona hinshawii peritonitis in cirrhosis with ascites. Lindsay KL, et al. **Gastroenterology** 1981 Aug; 81(2):349–51

Arizona hinshawii bacteraemia and meningitis in a child: a case report. Ichord R, et al. **J Clin Pathol** 1980 Sep; 33(9):848–50

From the centers for disease control. Salmonella bacteremia: reports to the Centers for Disease Control, 1968–1979. Blaser MJ, et al. **J Infect Dis** 1981 May;143(5):743–6

Etiology of osteomyelitis in patients with major sickle

hemoglobinopathies. Givner LB, et al. **J Pediatr** 1981 Sep; 99(3):411–3

Salmonella meningitis. A report of 4 cases. Stones DK, et al. **S Afr Med J** 1981 Jun 27;59(27):995–6

Salmonella epididymitis with recurrent septicemia in diabetic patient. Gerridzen RG, et al. **Urology** 1981 Feb;17(2):172–4

[Exogenous enteropathogenic bacteria] Wauters G. **Acta Gastroenterol Belg** 1979 Nov–Dec;42(11–12):505–8 **(Fre)**

[Urinary infections caused by Salmonella typhi and Schistosoma haematobium (letter)] Kernbaum S, et al. **Nouv Presse Med** 1979 Jan 27;8(5):366 **(Fre)**

[Enteritis cases caused by S. newport (author's transl)] Baykal M, et al. **Mikrobiyol Bul** 1979 Oct;13(4):382 (Eng. Abstr.) **(Tur)**

BLOOD

Prostaglandins in salmonella–induced secretory diarrhoea [letter] Korman SH, et al. **Arch Dis Child** 1981 Jul; 56(7):570–1

[Rosette–forming T– and B–lymphocytes in the peripheral blood of patients with gastrointestinal and subclinical forms of salmonellosis] Rashidova RA. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Feb;(2):104–5 **(Rus)**

COMPLICATIONS

Salmonella pneumonia in a patient with carcinoma of the lung. Berkeley D, et al. **Am J Clin Pathol** 1980 Oct; 74(4):476–8

Arizona hinshawii infection of an atherosclerotic abdominal aorta. Petru MA, et al. **Arch Intern Med** 1981 Mar; 141(4):537–8

A case of sudden cardiac death in connection with Salmonella typhimurium infection. Simonsen J, et al. **Forensic Sci Int** 1980 Nov–Dec;16(3):283–7

Salmonella septic abortion. Sengupta BS, et al. **Int Surg** 1980 Mar–Apr;65(2):183–6

Clinical manifestations of nontyphoid salmonellosis in children admitted to a community hospital. Romzick TM, et al. **J SC Med Assoc** 1981 Jun;77(6):276–8

Flaccid quadriparesis due to Salmonella enteritis. Reid AC, et al. **Scott Med J** 1980 Apr;25(2):129–30

[Reactive arthritis following Salmonella typhimurium infection] Kleif L, et al. **Ugeskr Laeger** 1980 Sep 29; 142(40):2632–3 (Eng. Abstr.) **(Dan)**

[Salmonella abdominal aortic aneurysm. One case undergoing fissuration and successfully treated surgically (author's transl)] Mellière D, et al. **Chirurgie** 1980;106(6):419–23 (Eng. Abstr.) **(Fre)**

[Reiter's disease after Salmonella infection in an HLA–B27 carrier (letter)] Herzog C. **Schweiz Med Wochenschr** 1980 Nov 22;110(47):1788–9 **(Ger)**

[Complications of salmonellosis in children with particular reference to cardiological complications] Giambartolomei G, et al. **Minerva Pediatr** 1980 May 15;32(9):613–20 (Eng. Abstr.) **(Ita)**

[Disseminated intravascular coagulation and leukemoid reaction in an infant during Salmonella typhimurium–induced septicemia] Prusek W, et al. **Wiad Lek** 1980 Sep 1;33(17):1395–8 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Enteric infections due to Campylobacter, Yersinia, Salmonella, and Shigella. WHO Scientific Working Group. **Bull WHO** 1980;58(4):519–37

Splenic abscess in infancy—diagnosis by ultrasonography. Benderly A, et al. **Helv Paediatr Acta** 1981;36(2):175–8

Salmonella cerro causing pyaemia in man—report of a case. Bhore AV, et al. **Indian J Pathol Microbiol** 1980 Oct; 23(4):309–11

Salmonella meningitis. Foley BV, et al. **Ir Med J** 1980 Mar; 73(3):125–7

Improved serodiagnosis of Salmonella enteric fevers by an enzyme–linked immunosorbent assay. Beasley WJ, et al. **J Clin Microbiol** 1981 Jan;13(1):106–14

Enrichment culture coagglutination test for rapid, low–cost diagnosis of salmonellosis. Sanborn WR, et al. **J Clin Microbiol** 1980 Aug;12(2):151–5

Salmonella cholera–suis: a distinctive bacterial pathogen. Weissbluth M, et al. **J Pediatr** 1981 Mar;98(3):423–6

Salmonella enteritidis isolated from sputum: report of case. Arrow BB. **JAOA** 1981 May;80(9):609–12

Meningitis caused by Salmonella carmel. Mates A. **Microbios** 1981;29(115):33–5

Salmonella choleraesuis encephalopathy. Daras M, et al. **NY State J Med** 1980 Sep;80(10):1606–7

Do you have Salmonella in your future? [editorial] Feldman RA, et al. **West J Med** 1980 Nov;133(5):435–8

Salmonellosis. Yoshikawa TT, et al. **West J Med** 1980 Nov; 133(5):408–17

[Atypical course of human salmonellosis (author's transl)] Freitag V, et al. **Dtsch Med Wochenschr** 1980 Sep 12; 105(37):1279–84 (Eng. Abstr.) **(Ger)**

[Various epidemiological, clinical and therapeutic problems of Salmonella typhimurium infection in infants and young children] Iwańczak F, et al. **Wiad Lek** 1981 Jan 1; 34(1):19–25 (Eng. Abstr.) **(Pol)**

[Determination of Shigella and Salmonella antigens by the coagglutination reaction in patients with acute intestinal infectious diseases] Bunin KV, et al. **Sov Med** 1981;(5):9–13 (Eng. Abstr.) **(Rus)**

[The influence of nutrition on the course of nosocomial infections with Salmonella infantis and pathogenic strains of Escherichia coli in premature infants and newborns] Dluholucký S, et al. **Cesk Pediatr** 1980 Jul;35(7):340–2 (Eng. Abstr.) **(Slo)**

DRUG THERAPY

Antibiotic use in animals and human salmonellosis. Bennett JV. **J Infect Dis** 1980 Oct;142(4):631–3

Oral rehydration in diarrheal infants and children. Kasemsarn P, et al. **J Med Assoc Thai** 1980 Dec;63(12):646–50

Chloramphenicol resistant strains in salmonellosis in Jakarta. Komalarini S, et al. **Southeast Asian J Trop Med Public Health** 1980 Dec; 11(4):539–42

Trimethoprim–sulphamethoxazole treatment in premature infants with salmonella infection. Erdem G. **Turk J Pediatr** 1979 Apr–Oct;21(2–4):46–7

Salmonellosis. Yoshikawa TT, et al. **West J Med** 1980 Nov; 133(5):408–17

[Therapy of salmonella enteritis with special reference to lactulose (author's transl)] Knothe H, et al. **Infection** 1980; 8 Suppl 3:S 294–8 (Eng. Abstr.) **(Ger)**

[Successful treatment of eleven female Salmonella carriers with Co–soltrim (author's transl)] Sarkis–Kechiche J. **Wien Med Wochenschr** 1980 Jul 31;130(13–14):489–91 (Eng. Abstr.) **(Ger)**

[Treatment of salmonellosis] Kazantsev AP. **Voen Med Zh** 1980 Oct;(10):43–7 **(Rus)**

ETIOLOGY

Suppurative coxitis due to Salmonella typhimurium in systemic lupus erythematosus. Shiota K, et al. **Ann Rheum Dis** 1981 Jun;40(3):312–4

Contaminated enteral feeds [letter] Gill KJ, et al. **Br Med J [Clin Res]** 1981 Jun 13;282(6280):1971

Salmonella infections and hypochlorhydria. Buchin PJ, et al. **J Clin Gastroenterol** 1980 Jun;2(2):133–8

Outbreak of Salmonella agona infection after upper intestinal fibreoptic endoscopy [letter] Schliessler KH, et al. **Lancet** 1980 Dec 6;2(8206):1246

Salmonellosis traced to marijuana—Ohio, Michigan. **MMWR** 1981 Feb 27;30(7):77–9

[Pathogenesis of salmonellosis] Iushchuk ND, et al. **Sov Med** 1980;(8):77–81 (65 ref.) **(Rus)**

FAMILIAL & GENETIC

Salmonella infection: simultaneous diarrhoea and arthritis in two brothers. Rahman M. **Practitioner** 1980 Aug; 224(1346):828–30

IMMUNOLOGY

The antibody response to bacterial gastroenteritis in serum and secretions. La Brooy JT, et al. **Clin Exp Immunol** 1980 Aug;41(2):290–6

Antigenic modification, rosette–forming cells, and Salmonella typhimurium resistance in outbred and inbred mice. Bigley NJ, et al. **Infect Immun** 1981 Apr;32(1):353–63

Effect of dietary essential amino acid limitations upon the susceptibility to Salmonella typhimurium and the effect upon humoral and cellular immune responses in mice. Petro TM, et al. **Infect Immun** 1981 Apr;32(1):251–9

Genetically conferred defect in anti–Salmonella antibody formation renders CBA/N mice innately susceptible to Salmonella typhimurium infection. O'Brien AD, et al. **J Immunol** 1981 Apr;126(4):1368–72

Protective effect of passively transferred immune peritoneal exudate cells in mice infected with Salmonella typhimurium. Nakano M, et al. **Microbiol Immunol** 1980; 24(3):255–7

In vitro proliferative activity of spleen cells in mice infected with attenuated Salmonella typhimurium. Saito–Taki T, et al. **Microbiol Immunol** 1980;24(5):439–48

Control of natural resistance to Salmonella typhimurium and Leishmania donovani in mice by closely linked but distinct genetic loci. O'Brien AD, et al. **Nature** 1980 Oct 2; 287(5781):440–2

Detection of Salmonella C1, D and V1 antigens, by coagglutination, in blood cultures from patients with Salmonella infections. Rockhill RC, et al. **Southeast Asian J Trop Med Public Health** 1980 Dec; 11(4):441–5

Occurrence of seroagglutinins against a polyvalent preparation of commonly occurring Salmonella somatic groups in farm animals and man. Kaura YK, et al. **Zentralbl Bakteriol [A]** 1981 Feb;248(4):479–87

[Immunological factors in Salmonella infections in infants] Rudkowski Z, et al. **Paediatr Grenzgeb** 1981;20(1–2):13–8 (Eng. Abstr.) **(Ger)**

[Influence of chronic lead exposure on resistence to bacterial infection (author's transl)] Ewers U, et al. **Zentralbl Bakteriol [B]** 1980;170(5–6):379–87 (Eng. Abstr.) **(Ger)**

[Immunoglobulins, particularly IgD, and B– and T–lymphocytes in Salmonella infections] Jankowski A. **Pol Tyg Lek** 1980 Aug 18;35(33):1253–6 **(Pol)**

[Principles of pathogenetic immunology of Salmonella infections, typhoid and dysentery] Bunin KV. **Ter Arkh** 1980;52(11):3–8 **(Rus)**

METABOLISM

[Molecular aspects of the pathogenesis of intestinal diarrheas] Pokrovskiĭ VI, et al. **Ter Arkh** 1981;53(4):102–8 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

In vitro transfer of multiple resistance observed in vivo during a Salmonella london epidemic. Lantos J, et al. **Acta Microbiol Acad Sci Hung** 1980;27(1):47–53

Salmonella and shigella surveillance in Hungary 1972–1976. I. Salmonella surveillance. Rudnai O, et al. **Acta Microbiol Acad Sci Hung** 1981;28(1):37–52

Protein synthesis in HeLa or Henle 407 cells infected with Shigella dysenteriae 1, Shigella flexneri 2a, or Salmonella typhimurium W118. Hale TL, et al. **Infect Immun** 1981 Apr;32(1):137–44

Infections caused by Salmonella cholera–suis [letter] Givner LB. **J Pediatr** 1981 Sep;99(3):502

Chronic pulmonary infection with Salmonella typhimurium. Reiss–Levy E, et al. **Med J Aust** 1980 Dec 13;2(12):674–5

Distribution of phagovars of Salmonella typhimurium in Canada (1969–1976). Khakhria R, et al. **Zentralbl Bakteriol [A]** 1980;248(1):50–63

[Evolution of the problem of salmonellosis worldwide] Le Minor L. **Bull Acad Natl Med (Paris)** 1980;164(6):524–7 **(Fre)**

[Infections by enteritis–salmonellae in newborn and premature infants] Handrick W, et al. **Z Aerztl Fortbild (Jena)** 1979 Nov 15;73(22):1056–7 **(Ger)**

[Enteric infections by Salmonella: occurrence of positive blood cultures, positive urine cultures and high antibody titres (author's transl)] Maretić Z, et al. **Zentralbl Bakteriol [A]** 1981;249(2):215–9 (Eng. Abstr.) **(Ger)**

[2 cases of Salmonella Meningitis] Pitruzzella D, et al. **Pediatria (Napoli)** 1980 Sep 30;88(3):407–15 (Eng. Abstr.) **(Ita)**

[The incidence and variation of transferable antibiotic–resistance in Salmonella strains isolated in Modena in the years 1975–1977 (author's transl)] Manicardi G, et al. **Quad Sclavo Diagn** 1979 Jun;15 Suppl 1:679–84 (Eng. Abstr.) **(Ita)**

[Conjugated plasmids of antibiotic resistance in conditionally pathogenic enterobacteria in infants with salmonellosis] Gridnev VA, et al. **Antibiotiki** 1981 Apr;26(4):275–9 (Eng. Abstr.) **(Rus)**

[Bacteriocinogeny among Salmonella] Korneva EP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Apr;(4):97–8 **(Rus)**

[The cases of S. essen enteritis (author's transl)] Aksoycan N, et al. **Mikrobiyol Bul** 1980 Apr;14(2):139–40 (Eng. Abstr.) **(Tur)**

OCCURRENCE

Surveillance of food poisoning and salmonella infections [letter] Miskelly FG, et al. **Br Med J** 1980 Oct 18; 281(6247):1069

An overview of the Salmonella surveillance system in Canada. Bollegraaf E. **Can J Public Health** 1980 Jul–Aug; 71(4):241–9

Salmonella pattern in India. Saxena SN, et al. **Indian J Med Res** 1980 Aug;72:159–68

Nosocomial Salmonella typhimurium epidemic in a neonatal special care unit. Puri V, et al. **Indian Pediatr** 1980 Mar; 17(3):233–9

Virulence in mice of epidemic strains of Salmonella typhimurium isolated from children. Peluffo CA, et al. **J Infect Dis** 1981 Mar;143(3):465–9

An epidemic of gastro–enteritis in West Lothian. Melville EM. **J R Coll Gen Pract** 1980 May;30(214):293–6

Salmonella surveillance: United States Army, Europe, CY 78. James JJ. **Milit Med** 1980 Aug;145(8):542–7

Food poisoning and salmonella infections in England and Wales, 1976—1978. An analysis of reports to the Communicable Disease Surveillance Centre of the Public Health Laboratory Service. Hepner E. **Public Health** 1980 Nov;94(6):337–49

The salmonella problem with particular reference to meat hygiene. Watson WA. **R Soc Health J** 1981 Aug; 101(4):163–9

[Renal transplantation and Salmonella typhimurium infection. Epidemiological study of lysotypes and biotypes (author's transl)] Schoutens E, et al. **Nouv Presse Med** 1981 Mar 21;10(13):1039–41 (Eng. Abstr.) **(Fre)**

[Study of Salmonellae in sewage of Chambery town: epidemiological relations and efficiency of water treatment plant (author's transl)] Gautier Y, et al. **Rev Epidemiol Sante Publique** 1980 Dec 30;28(4):443–60 (Eng. Abstr.) **(Fre)**

[Incidence and specificity of Salmonella bacteria in West German military personnel. Efficient Salmonella carrier diagnosis] Korting HC, et al. **Med Welt** 1980 Aug 22; 31(34):1205–8 **(Ger)**

[Contributions to the epidemiology of Salmonella typhimurium, analyzed according to the results of phage typing in the period between 1969—1978 (author's transl)] Brandis H, et al. **Oeff Gesundheitswes** 1980 Sep 20;42 Suppl 2:75–128 (Eng. Abstr.) **(Ger)**

[Enteritis salmonellae in man and animal from 1953 to 1975 in Southern Bavaria (author's transl)] Metz H, et al.

Zentralbl Bakteriol [B] 1980;171(2-3):231-55 (Eng. Abstr.) **(Ger)**

[Salmonellae in the district of Catanzaro: dynamics of serologic types and of sensitivity to antibiotics (author's transl)] Cannistrà S, et al. **Ann Sclavo** 1980 Jan-Feb; 22(1):63-76 (Eng. Abstr.) **(Ita)**

[Clinical observations on 128 cases of Salmonellosis with intestinal localisation] Fontana M, et al. **Minerva Pediatr** 1980 May 15;32(9):607-12 (Eng. Abstr.) **(Ita)**

[Minor salmonellosis in pediatrics: cases at the Pediatric Clinic I] Di Tullio MT, et al. **Pediatria (Napoli)** 1980 Sep 30;88(3):395-405 (Eng. Abstr.) **(Ita)**

[Epidemiological study of salmonelloses in the Moldavia area] Bercovici C, et al. **Rev Ig [Bacteriol]** 1980 Jul-Sep; 25(3):159-69 (Eng. Abstr.) **(Rum)**

['Minor' salmonelloses on the offensive; clinico-epidemiological aspects of Salmonella agona infections] Hurmuzache T, et al. **Rev Ig [Bacteriol]** 1980 Jul-Sep;25(3):149-58 (Eng. Abstr.) **(Rum)**

[Salmonelloses: research results and prospects] Pokrovskiĭ VI, et al. **Sov Med** 1981;(5):3-8 **(Rus)**

[Occurrence rate of salmonellosis in Bratislava over the years 1969 - 1978. II. Incidence of salmonellosis in 0-year-old children (author's transl)] Ferencei M, et al. **Bratisl Lek Listy** 1981;75(6):642-9 (Eng. Abstr.) **(Slo)**

[A Salmonella typhimurium epidemic in premature and newborn infants (author's transl)] Atun IH. **Mikrobiyol Bul** 1979 Jul;13(3):308-9 (Eng. Abstr.) **(Tur)**

PATHOLOGY

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 49-1980. **N Engl J Med** 1980 Dec 11;303(24):1408-11

PHYSIOPATHOLOGY

Clinical, tonometric and rectoromanoscopic study of the rectosigmoid in subjects with a past history of intestinal infection. Tanev IH. **Folia Med (Plovdiv)** 1980;22(2):29-34

[Pleural and pericardial lesion in salmonellosis] Kirilenko VA, et al. **Klin Med (Mosk)** 1981;59(4):97-8 **(Rus)**

PREVENTION & CONTROL

Antigenic modification: its relation to protective host resistance in murine salmonellosis. Bigley NJ, et al. **Infect Immun** 1981 Mar;31(3):1273-6

Potential for accidental infections resulting from current laboratory practices in mutagenicity testing. Rosenkranz HS. **Mutat Res** 1981 Apr;85(2):41-3

The stealthy salmonella [editorial] **Vet Rec** 1979 Sep 8; 105(10):206

[Laboratory study of the most effective immunization route and purification of salmonella vaccination antigens] Fontanges R, et al. **Bull Acad Natl Med (Paris)** 1980 Apr; 164(4):332-8 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Splenic abscess due to Salmonella typhimurium bacteremia. Rodan BA, et al. **South Med J** 1981 Mar;74(3):382-3

THERAPY

[Course of Salmonella hospital infections among newborn infants during the years 1977-1978] Krzeski A, et al. **Przegl Epidemiol** 1980;34(2):141-6 (Eng. Abstr.) **(Pol)**

[Pathogenetic therapy of salmonellosis] Nekrasov VB, et al. **Voen Med Zh** 1980 Oct;(10):47-9 **(Rus)**

TRANSMISSION

Salmonellosis in reptiles: a review. Chiodini RJ, et al. **Am J Epidemiol** 1981 May;113(5):494-9 (46 ref.)

Salmonellosis in a young child: unusual vector and atypical clinical course. Stadler HE. **J Indiana State Med Assoc** 1980 Mar;73(3):168

Reptilian salmonellosis [editorial] **Lancet** 1981 Jul 18; 2(8238):130-1

Pet-linked salmonellosis [letter] Fujita K, et al. **Lancet** 1981 Sep 5;2(8245):525

Medical campaign against nuclear weapons [letter] Johnstone T. **Lancet** 1981 Jun 13;1(8233):1324

Human salmonella carriers in a tropical urban environment. Gracey M, et al. **Trans R Soc Trop Med Hyg** 1980; 74(4):479-82

[Current significance of juvenile salmonella infections] Albrecht J, et al. **Med Welt** 1980 Dec 19;31(51-52):1879-8 **(Ger)**

[Salmonella infections as zoonoses of small pets and domestic animals] Voigt A, et al. **Z Gesamte Hyg** 1980;26(11):811-3 (Eng. Abstr.) **(Ger)**

SALMONELLA INFECTIONS, ANIMAL

The occurrence of salmonellae during the rearing of broiler birds. Morgan-Jones SC. **Br Poult Sci** 1980 Nov; 21(6):463-70

A study of the antiglobulin test for the diagnosis of Salmonella dublin infection of cattle. Wray C, et al. **Br Vet J** 1981 Jan;137(1):53-9

Outbreak of salmonellosis in a poultry farm of Alipore village, Delhi. Srivastava L, et al. **J Commun Dis** 1980 Mar;12(1):23-6

Formalin destruction of salmonellae in poultry litter. Williams JE. **Poult Sci** 1980 Dec;59(12):2717-24

Are we ready for a National Salmonella Control Program? Purchase HG. **Rev Infect Dis** 1979 Jul-Aug;1(4):600-6

Has Swann failed? Linton AH. **Vet Rec** 1981 Apr 11; 108(15):328-31

Salmonella-induced vaginitis. Ley WB, et al. **VM SAC** 1980 Sep;75(9):1417-9, 1423-4

BLOOD

Pig neutrophil adherence in experimentally induced salmonellosis. Smith GS, et al. **Am J Vet Res** 1981 Jul; 42(7):1251-3

Some haematological and blood biochemical findings during experimental Salmonella typhimurium infection in calves. Wray C. **Zentralbl Veterinaermed [B]** 1980;27(5):365-73

COMPLICATIONS

IgG immunodeficiency in a half-Arabian foal with salmonellosis. Buntain B. **VM SAC** 1981 Feb;76(2):231-4

DIAGNOSIS

Equine perinatal disease due to Salmonella anatum. McCool CJ, et al. **Aust Vet J** 1980 Mar;56(3):156

A comparison of culturing drag swabs and litter for identification of infections with Salmonella spp. in commercial chicken flocks. Kingston DJ. **Avian Dis** 1981 Apr-Jun;25(2):513-6

Salmonellosis in goats. Bulgin MS, et al. **J Am Vet Med Assoc** 1981 Apr 1;178(7):720-3

An evaluation of the microantiglobulin test in monitoring experimental Salmonella group C infections in chickens. Thain JA. **Res Vet Sci** 1980 Mar;28(2):212-6

[Comparison of the diagnostic indices in poultry treated against fowl typhoid pullorum] Diakov L, et al. **Vet Med Nauki** 1980;17(5):51-9 (Eng. Abstr.) **(Bul)**

[Dynamics of the leukocyte enzymatic status during the incubation period in a model of Salmonella infection] Katosova RK, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Nov;(11):53-6 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Cephamycin C treatment of induced swine salmonellosis. Jacks TM, et al. **Antimicrob Agents Chemother** 1981 Apr; 19(4):562-6

Subtherapeutic tetracycline effects on recovery patterns of calves after Salmonella typhimurium challenge. Remillard RL, et al. **J Dairy Sci** 1981 Mar;64(3):454-8

Antibiotic use in animals and human salmonellosis. Bennett JV. **J Infect Dis** 1980 Oct;142(4):631-3

[Improvement of the therapeutic efficacy of fosfomycin by addition of glucose-6-phosphate in the treatment of intraperitoneally infected mice (author's transl)] Hirschl A, et al. **Zentralbl Bakteriol [A]** 1980;246(4):562-6 (Eng. Abstr.) **(Ger)**

[Oxidative phosphorylation of Krebs cycle substrates in experimental treatment of enterocolitis with cytochrome c] Khadzhiev KKh, et al. **Vopr Med Khim** 1980 Mar-Apr; 26(2):154-7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Inseminators as vectors of Salmonella dublin [letter] Walton JR. **Br Med J** 1980 Jun 28;280(6231):1616

Experimental Salmonella abortus ovis infection in ewes. Pardon P, et al. **Vet Rec** 1980 Apr 26;106(17):389-90

[Field biology and infection cycles of salmonellae] Breer C. **Schweiz Arch Tierheilkd** 1981 Feb;123(2):89-96 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

A genetic locus responsible for salmonella susceptibility in BSVS mice is not responsible for the limited T-dependent immune responsiveness of BSVS mice. Briles DE, et al. **J Immunol** 1981 Sep;127(3):906-11

IMMUNOLOGY

The role of delayed hypersensitivity in the enhancement of host resistance to infection. Hsu HS, et al. **Can J Microbiol** 1980 Dec;26(12):1438-42

The in vivo division and death rates of Salmonella typhimurium in the spleens of naturally resistant and susceptible mice measured by the superinfecting phage technique of Meynell. Hormaeche CE. **Immunology** 1980 Dec;41(4):973-9

Effects of Fasciola hepatica infection on responses of rats to reinfection with Salmonella dublin. Aitken MM, et al. **Res Vet Sci** 1980 Mar;28(2):250-3

Humoral and cellular immune response in mice after infection with Salmonella typhimurium. Sziegoleit A. **Zentralbl Bakteriol [A]** 1980;247(4):460-7

[Active immunization to experimental salmonellosis in mice protective properties of Salmonella R mutants against infection with different pathogenic Salmonella species (author's transl)] Schlecht S. **Zentralbl Bakteriol [A]** 1981 Aug;249(3):362-72 (Eng. Abstr.) **(Ger)**

METABOLISM

Electrolyte metabolism in rhesus monkeys with experimental salmonella sepsis. Nichols BL, et al. **Am J Clin Nutr** 1981 Jul;34(7):1362-71

Metabolic aspects in mice administered live Salmonella typhimurium. Sakaguchi O, et al. **Microbiol Immunol** 1980; 24(9):789-802

MICROBIOLOGY

The influence of native gut microflora on the colonization and infection of Salmonella gallinarum in chickens. Silva EN, et al. **Avian Dis** 1981 Jan-Mar;25(1):68-73

Isolation of Salmonella (3,10: r:-) from animals and its public health importance. Kumar AA, et al. **Indian J Med Res** 1981 May;73:693-6

The ecology of chloramphenicol-resistance in Salmonella typhimurium and Escherichia coli in calves with endemic salmonella infection. Linton AH, et al. **J Appl Bacteriol** 1981 Feb;50(1):115-29

Furazolidone resistance in Salmonella gallinarum: the relationship between in vitro and in vivo determinations of resistance. Smith HW, et al. **J Hyg (Lond)** 1981 Aug; 87(1):71-81

Observations on the occurrence of Salmonella choleraesuis and other salmonellas in two herds of feeder pigs. Williams DR, et al. **J Hyg (Lond)** 1981 Jun;86(3):369-77

Salmonella and Arizona serotypes from animals and related sources reported during fiscal year 1978. Blackburn BO, et al. **Proc Annu Meet US Anim Health Assoc** 1979; (83):394-409

Role of native intestinal microflora in protection against pathogens. Snoeyenbos GH. **Proc Annu Meet US Anim Health Assoc** 1979;(83):388-93 (27 ref.)

The effects of added dietary iron in various forms on mice inoculated with Salmonella typhimurium. Smith IM, et al. **Res Vet Sci** 1980 Mar;28(2):161-7

Salmonella dublin infection in self contained dairy herds in East Anglia: excretion at calving. Counter DE, et al. **Vet Rec** 1980 Aug 30;107(9):191-3

Arizona 26:29:30 in sheep in the United Kingdom. Hall ML, et al. **Vet Rec** 1980 Dec 20;107(25-26):581-2

Persistent Salmonella saint paul excretion in a small dairy herd. Taylor KC, et al. **Vet Rec** 1979 Jul 14;105(2):35-6

[Biological characteristics of a species variant of S. dublin] Zakardonets VS, et al. **Lab Delo** 1980;(8):494-5 **(Rus)**

MORTALITY

A fatal case of salmonellosis in a dugong. Elliott H, et al. **J Wildl Dis** 1981 Apr;17(2):203-8

OCCURRENCE

Lizards in the ecology of salmonellosis in Panama. Kourany M, et al. **Appl Environ Microbiol** 1981 May;41(5):1248-53

The prevalence and epizootiology of salmonellosis among groups of horses in south east Queensland. Roberts MC, et al. **Aust Vet J** 1981 Jan;57(1):27-35

The occurrence of salmonellae in zoo animals in Uttar Pradesh and Delhi (India). Sethi MS, et al. **Int J Zoonoses** 1980 Jun;7(1):15-8

Salmonellosis and arizonosis in the reptile collection at the National Zoological Park. Cambre RC, et al. **J Am Vet Med Assoc** 1980 Nov 1;177(9):800-3

Outbreak of salmonellosis in a poultry farm of Alipore village, Delhi. Srivastava L, et al. **J Commun Dis** 1980 Mar;12(1):23-6

Salmonella incidents in animals 1979 [news] **Vet Rec** 1980 Aug 2;107(5):98

Salmonella in Wessex cattle [letter] Byron JR. **Vet Rec** 1980 Aug 9;107(6):139

Salmonella in pheasants [letter] Dalton PJ. **Vet Rec** 1980 Nov 1;107(18):431

Incidence of Campylobacter, Salmonella and Shigella infections in dogs in an industrial town. Holt PE. **Vet Rec** 1980 Sep 13;107(11):254

[Survey of Salmonella in animals] Mered B, et al. **Arch Inst Pasteur Alger** 1977;52:5-16 (Eng. Abstr.) **(Fre)**

[Salmonella infections as zoonoses of small pets and domestic animals] Voigt A, et al. **Z Gesamte Hyg** 1980;26(11):811-3 (Eng. Abstr.) **(Ger)**

[Enteritis salmonellae in man and animal from 1953 to 1975 in Southern Bavaria (author's transl)] Metz H, et al. **Zentralbl Bakteriol [B]** 1980;171(2-3):231-55 (Eng. Abstr.) **(Ger)**

[Epidemiological remarks on the 'S. Arizonae' strains isolated from various animals in tuscany during 1969-1978 (author's transl)] Agrimi P, et al. **Ann Sclavo** 1980 May-Jun; 22(3):299-309 (Eng. Abstr.) **(Ita)**

[Epidemiological study of salmonelloses in the Moldavia area] Bercovici C, et al. **Rev Ig [Bacteriol]** 1980 Jul-Sep; 25(3):159-69 (Eng. Abstr.) **(Rum)**

[Salmonella infections in germ-free and bacteroides-carrying guinea pigs] Dushkin VA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Oct;(10):103-4 **(Rus)**

PATHOLOGY

Natural and experimental Salmonella arizonae 18:z4,z32 (Ar. 7:1,7,8) infection in broilers. Bacteriological and

histopathological survey of eye and brain lesions. Silva EN, et al. **Avian Dis** 1980 Jul–Sep;24(3):631–6

PREVENTION & CONTROL

The anaerobically cultured cecal flora of adult fowls that protects chickens from Salmonella infections. Schneitz C, et al. **Acta Pathol Microbiol Scand [B]** 1981 Apr; 89B(2):109–16

Immunization of calves against salmonellosis. Smith BP, et al. **Am J Vet Res** 1980 Dec;41(12):1947–51

Observations on competitive exclusion for preventing Salmonella typhimurium infection of broiler chickens. Rigby CE, et al. **Avian Dis** 1980 Jul–Sep;24(3):604–15

Studies on the use of 9R strain of Salmonella gallinarum as a vaccine in chickens. Silva EN, et al. **Avian Dis** 1981 Jan–Mar;25(1):38–52

Salmonellosis in mice: studies on oral immunization with live avirulent vaccines. Moser I, et al. **Med Microbiol Immunol (Berl)** 1980;168(2):119–28

Shipping fever pasteurellosis and salmonellosis prophylaxis. Wohler WH, et al. **Mod Vet Pract** 1980 Nov;61(11):921–3

O-antigenic specificity of the protective supernatant factor from Salmonella typhimurium effective in S. typhimurium-infected mice. Plant JE, et al. **Parasite Immunol** 1980 Winter;2(4):293–302

Protection against mouse typhoid by artificial Salmonella vaccines. Svenson SB, et al. **Scand J Infect Dis [Suppl]** 1980;Suppl 24:210–5

The stealthy salmonella [editorial] **Vet Rec** 1979 Sep 8; 105(10):206

[Experimental infection by 'Salmonella typhi-murium': protective role of homologous ribosomal extracts in calves (author's transl)] Ivanoff B, et al. **Ann Microbiol (Paris)** 1980 Sep–Oct;131B(2):163–74 (Eng. Abstr.) **(Fre)**

[Results of oral application of Salmonella dublin live vaccine to calves] Meyer H. **Arch Exp Veterinaermed** 1980; 34(1):99–104 (Eng. Abstr.) **(Ger)**

[Suisaloral 'Dessau'--a Salmonella cholerae suis live vaccine for oral, parenteral and combined applications] Schöll W, et al. **Arch Exp Veterinaermed** 1980;34(1):91–7 (Eng. Abstr.) **(Ger)**

[Live vaccines for the prevention of intestinal infections] Sergeev VV, et al. **Arch Exp Veterinaermed** 1980;34(1):87–9 (Eng. Abstr.) **(Ger)**

[Basic studies of prevention of experimental salmonellosis (2). Distribution of SPA producing strains of S. typhimurium and correlation of protective immunity between SPA and killed vaccine (author's transl)] Sugihara H, et al. **Kansenshogaku Zasshi** 1980 Jun;54(6):299–305 (Eng. Abstr.) **(Jpn)**

[Nonspecific stimulation of resistance with mytilan--a polysaccharide isolated from the mussel Crenomytilus grayanus] Zaporozhets TS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Feb;(2):106–7 **(Rus)**

TRANSMISSION

Transmission of Salmonella typhimurium among feedlot cattle after oral inoculation. Clinton NA, et al. **J Appl Bacteriol** 1981 Feb;50(1):149–55

Reptilian salmonellosis [editorial] **Lancet** 1981 Jul 18; 2(8238):130–1

Pet-linked salmonellosis [letter] Fujita K, et al. **Lancet** 1981 Sep 5;2(8245):525

The veterinary surgeon as a possible vector of bovine salmonellosis [letter] Gibson EA. **Vet Rec** 1980 May 24; 106(21):445

Spread of bovine salmonellosis [letter] Gibson EA. **Vet Rec** 1980 Aug 30;107(9):205–6

Salmonellosis in horses and wild birds [letter] Macdonald JW, et al. **Vet Rec** 1980 Jul 12;107(2):46–7

The veterinary surgeon as a possible vector of salmonellosis [letter] Norton AM. **Vet Rec** 1980 Jun 14;106(24):513–4

[Epidemiological studies on Salmonella in a particular area ('Walcheren project'). V. Studies on the possibility of fattening pigs free from Salmonella (author's transl)] Oosterom J, et al. **Tijdschrift Voor Diergeneeskd** 1981 Jun 15;106(12):599–612 (Eng. Abstr.) **(Dut)**

[Epidemiologic significance of live vectors in the transmission of salmonella infections in broiler flocks] Krabisch P, et al. **Berl Muench Tieraerztl Wochenschr** 1980 Jun 15; 93(12):232–5 (Eng. Abstr.) **(Ger)**

VETERINARY

The virulence of salmonella strains for chickens: their excretion by infected chickens. Smith HW, et al. **J Hyg (Lond)** 1980 Jun;84(3):479–88

Salmonella montevideo salmonellosis in laboratory mice: successful treatment of the disease by oral oxytetracycline. Simmons DJ, et al. **Lab Anim** 1980 Jul;14(3):217–9

Salmonella investigations: July to December 1980. **Vet Rec** 1981 May 9;108(19):422–3

SALMONELLA PARATYPHI see **SALMONELLA PARATYPHI A**

SALMONELLA PARATYPHI A

DRUG EFFECTS

A study of drug resistance among Salmonella typhi and Salmonella paratyphi A in an endemic area, 1977–79. Rao RS, et al. **Trans R Soc Trop Med Hyg** 1981;75(1):21–4

IMMUNOLOGY

Agglutination and bactericidal responses of the channel catfish to Salmonella paratyphi. Ourth DD, et al. **Dev Comp Immunol** 1981 Spring;5(2):261–70

[Relation between relative hemosensitive activity and molecular patterns of lipopolysaccharides] Karal'nik BV. **Zh Mikrobiol Epidemiol Immunobiol** 1981 May;(5):89–93 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Bacteriological and serological studies on 'enteric fever'. Bai KT, et al. **Indian J Public Health** 1980 Jan–Mar;24(1):38–42

SALMONELLA PHAGES

Salmonella typhi Vi-phage types in different regions of India during 1973–1977. Sharma KB, et al. **Indian J Med Res** 1980 Jun;71:847–53

Improvement of the polyvalent Salmonella phage's O-1 diagnostic value by addition of a phage specific for the O groups E1–E4. Güdel K, et al. **Zentralbl Bakteriol [A]** 1981;249(2):220–4

[H-erythrocyte diagnostics based on Salmonella phage-lysates] Kandelaki NE, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Apr;(4):103–4 **(Rus)**

ANALYSIS

Purification of the coat and scaffolding proteins from procapsids of bacteriophage P22. Fuller MT, et al. **Virology** 1981 Jul 30;112(2):529–47

CLASSIFICATION

Phage typing of Salmonella typhi in Canada (1967–1976). Hhakhria R, et al. **Can J Public Health** 1981 Jan–Feb; 72(1):30–6

ENZYMOLOGY

Salmonella bacteriophage glycanases: endorhamnosidase activity of bacteriophages P27, 9NA, and KB1. Wollin R, et al. **J Virol** 1981 Jun;38(3):1025–33

Adsorption and endo-glycosidase activity of phage phi 1 (40) on Salmonella johannesbureg O-polysaccharide. Chaby R, et al. **Virology** 1980 Aug;105(1):136–47

GENETICS

A theory of modular evolution for bacteriophages. Botstein D. **Ann NY Acad Sci** 1980;354:484–90

Primary structure of the phage P22 repressor and its gene c2. Sauer RT, et al. **Biochemistry** 1981 Jun 9;20(12):3591–8

Construction of plasmids that produce phage P22 repressor. Poteete AR, et al. **Gene** 1981 Mar;13(2):153–61

Temperature-sensitive mutants blocked in the folding or subunit assembly of the bacteriophage P22 tail-spike protein. I. Fine-structure mapping. Smith DH, et al. **Genetics** 1980 Oct;96(2):331–52

Genetic mapping of a mutation conferring sensitivity to bacteriophage Mu in Salmonella typhimurium LT2. Faelen M, et al. **J Bacteriol** 1981 Jun;146(3):914–9

Temperature-sensitive mutants blocked in the folding or subunit of the bacteriophage P22 tail spike protein. II. Active mutant proteins matured at 30 degrees C. Goldenberg DP, et al. **J Mol Biol** 1981 Feb 5;145(4):633–51

Kinetics of RecA protein-directed inactivation of repressors of phage lambda and phage P22. Phizicky EM, et al. **J Mol Biol** 1980 May 25;139(3):319–28

Temperature-sensitive mutants blocked in the folding or subunit assembly of the bacteriophage P22 tail spike protein. III. Intensive polypeptide chains synthesized at 39 degrees C. Smith DH, et al. **J Mol Biol** 1981 Feb 5; 145(4):653–76

A new gene of bacteriophage P22 which regulates synthesis of antirepressor. Susskind MM. **J Mol Biol** 1980 Apr 25; 138(4):685–713

Inversions of specific DNA segments in flagellar phase variation of Salmonella and inversion systems of bacteriophages P1 and Mu. Kutsukake K, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7338–41

Genetic implications of limited circular permutation. Israel V. **Virology** 1980 Oct 15;106(1):100–6

Physical map of the bacteriophage P22 genome. Rutila JE, et al. **Virology** 1981 Sep;113(2):769–75

Genetics of bacteriophage P22. IV. Correlation of genetic and physical map using translocatable drug-resistance elements. Weinstock GM, et al. **Virology** 1980 Oct 15; 106(1):92–9

Genetics of bacteriophage P22. III. The late operon. Weinstock GM, et al. **Virology** 1980 Oct 15;106(1):82–91

Identification of the products of bacteriophage P22 genes, including a new late gene. Youderian P, et al. **Virology** 1980 Nov;107(1):258–69

Bacteriophage P22 proteins specified by the region between genes 9 and erf. Youderian P, et al. **Virology** 1980 Nov; 107(1):270–82

GROWTH & DEVELOPMENT

Detection of R plasmids with a restrictive effect on phage-bacteria Salmonella systems. Rusu V, et al. **Arch Roum Pathol Exp Microbiol** 1980 Oct-Dec; 39(4):341–52

Absence of competition between salmonella phage P22 and coliphage P1 for adsorption sites on a Salmonella typhosa – Escherichia coli hybrid strain. Karunakaran V, et al. **Can J Microbiol** 1980 Jan;26(1):7–12

Growth of Salmonella bacteriophage P22 in Escherichia coli dna(Ts) mutants. Schanda-Mulfinger UE, et al. **J Bacteriol** 1980 Aug;143(2):1042–5

Host requirements for growth of lambda-P22 hybrid in Escherichia coli. Taylor KD, et al. **J Bacteriol** 1981 Feb; 145(2):1113–5

[The removal of salmonellae in waste water by bacteriophages (author's transl)] Müller HE. **Zentralbl Bakteriol [B]** 1980 Feb;170(1–2):82–7 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Colony incompatibility studies among New Zealand and Australian isolates of Salmonella typhimurium phage type 179. Bettelheim KA. **J Hyg (Lond)** 1981 Jun;86(3):353–6

ISOLATION & PURIFICATION

Isolation and selection of phages for characterization of untypable strains of Salmonella typhi. Somasekhar G, et al. **Indian J Med Res** 1980 Sep;72:341–6

[Experimental study of bacteriophage removal from the lagoon basin] Walker J, et al. **Can J Microbiol** 1980 Jan; 26(1):27–32 (Eng. Abstr.) **(Fre)**

METABOLISM

Regulation of coat protein polymerization by the scaffolding protein of bacteriophage P22. Fuller MT, et al. **Biophys J** 1980;32(1):381–401

Effects of receptor destruction by Salmonella bacteriophages epsilon 15 and c341. Bayer ME, et al. **Virology** 1980 Sep; 105(2):328–37

[Identification of proteins and amino acids reacting with DNA in the composition of bacteriophage P22] Chakanovskaia LA, et al. **Vopr Virusol** 1981 Jan–Feb; (1):51–5 (Eng. Abstr.) **(Rus)**

SALMONELLA SCHOTTMUELLERI see under **SALMONELLA**

SALMONELLA TYPHI

Phage typing of Salmonella typhi in Canada (1967–1976). Hhakhria R, et al. **Can J Public Health** 1981 Jan–Feb; 72(1):30–6

Body mass and sex as determining factors in the development of fever in rats. Ford DM, et al. **J Physiol (Lond)** 1980 Jul;304:43–50

[Effect of salmozan on the lymphocyte proliferative activity of rat blood] Gordeeva MS, et al. **Patol Fiziol Eksp Ter** 1981 Jan–Feb;(1):36–9 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Salmonella typhi Vi-phage types in different regions of India during 1973–1977. Sharma KB, et al. **Indian J Med Res** 1980 Jun;71:847–53

[Results of phage typing of Salmonella typhi and Salmonella paratyphi-B in the years 1974–1978 from the Federal Republic of Germany including Berlin (West) (author's transl)] Brandis H, et al. **Zentralbl Bakteriol [A]** 1980; 247(4):440–59 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Comparative in vitro appraisal of piperacillin, including its activity against Salmonella typhi. Robinson RG, et al. **Antimicrob Agents Chemother** 1980 Oct;18(4):493–501

Factors affecting toxicity of aflatoxin on procaryotic cells. Jain NK, et al. **Indian J Exp Biol** 1980 Jun;18(6):661–3

Typhoid fever due to chloramphenicol resistant Salmonella typhi associated with R-plasmid. Agarwal KC, et al. **Indian J Med Res** 1981 Apr;73:484–8

Salmonella typhi in vivo acquires resistance to both chloramphenicol and co-trimoxazole. Datta N, et al. **Lancet** 1981 May 30;1(8231):1181–3

Plasmid-mediated multidrug resistance in Salmonella typhi [letter] Rangnekar VM, et al. **Lancet** 1981 Aug 15; 2(8242):364

Acquisition of resistance by Salmonella typhi in vivo [letter] Robins-Browne RM, et al. **Lancet** 1981 Jul 18;2(8238):148

Susceptibility of Salmonella typhi to chloramphenicol, ampicillin and cotrimoxazole. Vongsthongsri U, et al. **Southeast Asian J Trop Med Public Health** 1980 Jun; 11(2):256–61

A study of drug resistance among Salmonella typhi and Salmonella paratyphi A in an endemic area, 1977–79. Rao RS, et al. **Trans R Soc Trop Med Hyg** 1981;75(1):21–4

GENETICS

Salmonella typhi R-plasmids in Hungary. László VG, et al. **Acta Microbiol Acad Sci Hung** 1980;27(4):325–32

[Characterization of R plasmids in 'Salmonella typhi' and 'S. paratyphi B' from Algeria (author's transl)] Akache W, et al. **Ann Microbiol (Paris)** 1980 May-Jun;131(3):265-70 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Host factors against Salmonella typhi in children with glucose-6-phosphate dehydrogenase deficiency. Schilirò G, et al. **Acta Paediatr Scand** 1980 Sep;69(5):689-90

Quantitative immunoelectrophoretic analysis of Salmonella typhi antigens and of corresponding antibodies in human sera. Espersen F, et al.
Acta Pathol Microbiol Scand [B] 1980 Aug;88(4):237-42

Cross-reactions between Salmonella typhi and 24 other bacterial species. Espersen F, et al.
Acta Pathol Microbiol Scand [B] 1980 Aug;88(4):243-8

Immunization against bacteria- and endotoxin-induced hypotension. Abdelnoor AM, et al. **Infect Immun** 1981 Jun; 32(3):1093-9

Diminished neutrophil oxidative metabolism after phagocytosis of virulent Salmonella typhi. Kossack RE, et al. **Infect Immun** 1981 Feb;31(2):674-8

Immunochemical properties of Vi antigen from Salmonella typhi Ty2: presence of two antigenic determinants. Szewczyk B, et al. **Infect Immun** 1980 Aug;29(2):539-44

Diversity of Vi-related antigens in the microcapsule of Salmonella typhi. Szewczyk B, et al. **Infect Immun** 1980 Dec;30(3):661-7

Opsonizing antibodies in human typhoid fever. Vildé JL, et al. **J Clin Lab Immunol** 1980 Jul;4(1):41-6

Improved serodiagnosis of Salmonella enteric fevers by an enzyme-linked immunosorbent assay. Beasley WJ, et al. **J Clin Microbiol** 1981 Jan;13(1):106-14

Evaluation of a new assay for Vi antibody in chronic carriers of Salmonella typhi. Nolan CM, et al. **J Clin Microbiol** 1980 Jul;12(1):22-6

A simple bactericidal antibody test for sero-diagnosis of typhoid fever. Gupta AK, et al. **J Immunol Methods** 1981; 42(1):121-5

Isolation of an (O,H,Vi)-free immunoprotective antigenic fraction with mannose receptor-like activity from Salmonella typhi. Jouin H, et al. **J Infect Dis** 1981 Jan; 143(1):106-13

Vi serology in the detection of typhoid carriers. Nolan CM, et al. **Lancet** 1981 Mar 14;1(8220 Pt 1):583-5

Counterimmunoelectrophoresis for detecting antibody in the diagnosis of typhoid (enteric) fevers: a preliminary report. Jad CY, et al. **Singapore Med J** 1981 Feb;22(1):28-31

Why are the killed S. typhi vaccines ineffective. Barber C. **Zentralbl Bakteriol [A]** 1980 Mar;246(2):184-90

[Thymosterine B stimulation of serum antibodies in rats inoculated with Salmonella typhi TH vaccine] Potop I, et al. **Endocrinologie** 1980 Oct-Dec;18(4):239-41 **(Fre)**

[Genetic aspects of the effect of Vi antigen deposition in the human body. II. The relationship of ABO system phenotypic classification to erythrocyte sorption capacity] Bunin KV, et al. **Genetika (Moskva)** 1981;17(2):348-51 (Eng. Abstr.) **(Rus)**

[Characteristics of preparations of typhoid antigens obtained by ultrafiltration] Khokholev LS, et al.
Zh Mikrobiol Epidemiol Immunobiol 1981 Jan;(1):81-4 (Eng. Abstr.) **(Rus)**

[Effect of different factors on the induction of mimicry antigens of typhoid bacteria] Oster NR, et al.
Zh Mikrobiol Epidemiol Immunobiol 1980 Jul;(7):29-35 (Eng. Abstr.) **(Rus)**

[Ionizing radiation-induced changes in the H antigen content of typhoid fever bacteria] Sinilova NG, et al.
Zh Mikrobiol Epidemiol Immunobiol 1980 Sep;(9):112-4 **(Rus)**

ISOLATION & PURIFICATION

Isolation and selection of phages for characterization of untypable strains of Salmonella typhi. Somasekhar G, et al. **Indian J Med Res** 1980 Sep;72:341-6

Coins: reservoir of organisms. Shukla KA.
Indian J Med Sci 1980 Jul;34(7):168-70

Bacteriological and serological studies on 'enteric fever'. Bai KT, et al. **Indian J Public Health** 1980 Jan-Mar;24(1):38-42

First isolates of chloramphenicol resistant S. typhi in Malaysia. Jegathesan M, et al. **Med J Malaysia** 1980 Jun; 34(4):395-8

Diagnosis of Salmonella typhi by culture of duodenal string capsule [letter] Benavente L, et al. **N Engl J Med** 1981 Jan 1;304(1):54

A coagglutination method for presumptive identification of Salmonella typhi. Lesmana M, et al.
Southeast Asian J Trop Med Public Health 1980 Jun; 11(2):302-7

Survival of Salmonella typhi in oysters. Nishio T, et al.
Zentralbl Bakteriol [B] 1981 Jan;172(4-5):415-26

METABOLISM

Biological properties of L-forms and their parent bacteria. Asnani PJ, et al. **Acta Microbiol Acad Sci Hung** 1980; 27(2):131-4

[Glucose and oxygen assimilation processes in pathogenic microorganisms in continuous culture] Zhdanov LG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Sep;(9):74-7 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Resistance to lyophilization of Salmonella typhi, Escherichia coli and Shigella flexneri strains. Vasilescu T, et al.
Arch Roum Pathol Exp Microbiol 1979 Apr-Jun; 38(2):201-6

SALMONELLA TYPHIMURIUM

Effects of endotoxin from different bacteria on ovum transport in rabbits. Harper MJ, et al. **Biol Reprod** 1980 Oct;23(3):487-94

Influence of cultural conditions on mitomycin C-mediated bacteriophage induction and release of Salmonella toxin. Peterson JW, et al. **Infect Immun** 1981 Apr;32(1):232-42

Thermal injury and recovery of selected microorganisms. Witter LD. **J Dairy Sci** 1981 Jan;64(1):174-7

[Endotoxin recognition with myelopoiesis of monocytes and macrophages] Hinterberger W, et al.
Acta Med Austriaca 1979;6(5):206-8 (Eng. Abstr.) **(Ger)**

[The removal of salmonellae in waste water by bacteriophages (author's transl)] Müller HE.
Zentralbl Bakteriol [B] 1980 Feb;170(1-2):82-7 (Eng. Abstr.) **(Ger)**

ANALYSIS

Studies of the fatty acid composition and membrane microviscosity in Salmonella typhimurium TA98. Hampton MJ, et al. **Chem Phys Lipids** 1980 Sep;27(2):177-83

Size heterogeneity of Salmonella typhimurium lipopolysaccharides in outer membranes and culture supernatant membrane fragments. Munford RS, et al.
J Bacteriol 1980 Nov;144(2):630-40

Surface density of major outer membrane proteins in Salmonella typhimurium in different growth conditions. Aldea M, et al. **J Gen Microbiol** 1980 Oct;120(Pt 2):355-67

Isolation of an azide mutagenic metabolite in Salmonella typhimurium. Owais WM, et al. **Mutat Res** 1981 May; 91(3):155-61

Purification of pili from Escherichia coli and Salmonella typhimurium. A preliminary report. Korhonen TK.
Scand J Infect Dis [Suppl] 1980;Suppl 24:154-7

[Study of the virulent and immunogenic properties of cyclic-AMP deficient mutants of Salmonella typhimurium] Boichenko MN, et al.
Zh Mikrobiol Epidemiol Immunobiol 1980 Dec;(12):47-9 **(Rus)**

CLASSIFICATION

Biotyping of Salmonella typhimurium strains isolated from animals and birds in northern Japan. Ishiguro N, et al.
Am J Vet Res 1981 May;42(5):896-7

CYTOLOGY

Cellular effects in microbial tester strains caused by exposure to microwaves or elevated temperatures. Dutta SK, et al.
J Environ Pathol Toxicol 1980 Jun-Jul;3(5-6):195-206

DRUG EFFECTS

Outer membrane permeability barrier disruption by polymyxin in polymyxin-susceptible and -resistant Salmonella typhimurium. Vaara M, et al.
Antimicrob Agents Chemother 1981 Apr;19(4):578-83

Colonization by Salmonella typhimurium and Shigella flexneri III of the gastrointestinal tract of mice treated with beta-2-thienylalanine and streptomycin. Brown KJ, et al.
Antonie Van Leeuwenhoek 1979;45(4):531-46

Mutagenicity testing with Salmonella microsome test. Greim H, et al. **Arch Toxicol** 1980 Nov;46(1-2):31-40

Estimation of apurinic/apyrimidinic sites and phosphotriesters in deoxyribonucleic acid treated with electrophilic carcinogens and mutagens. Drinkwater NR, et al. **Biochemistry** 1980 Oct 28;19(22):5087-92

Relationship between benzo(a)pyrene-induced DNA base modification and frequency of reverse mutations in mutant strains of Salmonella typhimurium. Fahl WE, et al.
Cancer Res 1981 Sep;41(9 Pt 1):3400-6

Mutagenic activities of oxidized derivatives of N-nitrosodipropylamine in the liver cell-mediated and Salmonella typhimurium assays. Langenbach R, et al.
Cancer Res 1980 Oct;40(10):3463-7

Effect of genotype on mutagenicity of niridazole in nitroreductase-deficient bacteria. Speck WT, et al.
Cancer Res 1981 Jun;41(6):2305-7

Mutagenicity of benzo[a]pyrene 7,8-dihydrodiol and 7,12-dimethylbenz[a]anthracene 3,4-dihydrodiol in S. typhimurium mediated by microsomes from rat liver and mouse skin. Camus AM, et al. **Chem Biol Interact** 1980 Nov;32(3):257-65

The metabolism of drugs and carcinogens in isolated subcellular fractions of Drosophila melanogaster. I. Activation of vinyl chloride, 2-aminoanthracene and benzo[a]pyrene as measured by mutagenic effects in Salmonella typhimurium. Hällström I, et al.
Chem Biol Interact 1981 Mar 1;34(2):129-43

Mutagenicity of the O-esters of N-acylhydroxylamines for Salmonella. Wang CY, et al. **Chem Biol Interact** 1981 Mar 15;34(3):267-78

Mutagenicity of nitrofuran drugs in bacterial systems. Ebringer L, et al. **Folia Microbiol (Praha)** 1980;25(5):388-96

Mutagenicity of commercial p-phenylenediamine and of an oxidation mixture of p-phenylenediamine and resorcinol in Salmonella typhimurium TA98. Crebelli R, et al.
Food Cosmet Toxicol 1981 Feb;19(1):79-84

Screening of food dyes for genotoxic activity. Haveland-Smith RB, et al. **Food Cosmet Toxicol** 1980 Jun; 18(3):215-21

Genotoxicity of the food colours red 2G and brown FK in bacterial systems; use of structurally-related dyes and azo-reduction. Haveland-Smith RB, et al.
Food Cosmet Toxicol 1980 Jun;18(3):223-8

Evaluation of the mutagenicity of sorbic acid-sodium nitrite reaction products produced in bacon-curing brines. Robach MC, et al. **Food Cosmet Toxicol** 1980 Jun; 18(3):237-40

Induction of lysis in lysogenic bacteria by liver microsomal metabolites of aflatoxin B1. Buch JK, et al.
Indian J Exp Biol 1980 Oct;18(10):1162-4

Transferable drug resistance in Salmonella typhimurium. Panhotra BR, et al. **Indian J Med Res** 1981 Apr;73:489-93

Multidrug resistant Salmonella typhimurium in Chandigarh. Panhotra BR, et al. **Indian J Med Res** 1980 Aug;72:169-73

The ecology of chloramphenicol-resistance in Salmonella typhimurium and Escherichia coli in calves with endemic salmonella infection. Linton AH, et al. **J Appl Bacteriol** 1981 Feb;50(1):115-29

Globomycin sensitivity of Escherichia coli and Salmonella typhimurium: effects of mutations affecting structures of murein lipoprotein. Lai JS, et al. **J Bacteriol** 1981 Jan; 145(1):657-60

Plasmid studies of Salmonella typhimurium phage type 179 resistant to ampicillin, tetracycline, sulphonamides and trimethoprim. Anderson DM. **J Hyg (Lond)** 1980 Oct; 85(2):293-300

Viability of Salmonella typhimurium in metabisulphite-treated bone meal: effect of inocula and moisture variation on the lethal potency of metabisulphite. Abalaka JA, et al. **Microbios** 1980;27(109 110):167-74

A modification of the Ames test procedure: accelerated growth of the His+ revertants. Arimoto S, et al.
Mutat Res 1981 Jul-Sep;91(4-5):407-11

Acridine structure correlated with mutagenic activity in Salmonella. Brown BR, et al. **Mutat Res** 1980 Aug; 72(3):373-88

Absence of mutagenicity of phloxine and phloxine B in Escherichia coli and in Salmonella typhimurium. Maus KL, et al. **Mutat Res** 1981 Jul-Sep;91(4-5):315-20

The pH-dependent response of Salmonella typhimurium TA100 to mutagenic N-nitrosamines. Negishi T, et al.
Mutat Res 1980 Nov;79(3):223-30

Pyrenequinones as mutagens and enhancing agents to other mutagens. Okamoto H, et al. **Mutat Res** 1980 Nov; 73(1):203-7

Induction of prophage and mutagenic effects by alkyl alkylaminosulfonates, ethyl aminosulfonate and alkyl methanesulfonates. Süssmuth R. **Mutat Res** 1980 Aug; 78(4):301-15

Mutagenic assay of aromatic nitro compounds with Salmonella typhimurium. Tokiwa H, et al. **Mutat Res** 1981 Jul-Sep;91(4-5):321-5

Statistical analysis of the Ames Salmonella/microsome test. Margolin BH, et al. **Proc Natl Acad Sci USA** 1981 Jun; 78(6):3779-83

The effects of lipopolysaccharides on the association of Salmonella typhimurium with HeLa cells. Kihlström E.
Scand J Infect Dis [Suppl] 1980;Suppl 24:141-3

Mutagenicity testing of 2,3,7,8-tetrachlordibenzo-p-dioxin in histidine auxotrophs of Salmonella typhimurium. Geiger LE, et al. **Toxicol Appl Pharmacol** 1981 Jun 15;59(1):125-9

Influence of D,L-ureidosuccinic acid dihydrazide on some biological properties of Pseudomonas pseudomallei and of Salmonella typhimurium. Veljanov D, et al.
Zentralbl Bakteriol [A] 1980 Jun;247(1):64-70

[Antibiotic resistance and transmission of R factors from E. coli and Salmonella typhimurium, isolated from food samples of animal origin] Biru G, et al. **DTW** 1981 May 5;88(5):181-4 (Eng. Abstr.) **(Ger)**

[Salmonellal sensitivity to antibiotics in 1975-1979 and its characteristics in S. typhimurium] Garanin BA.
Antibiotiki 1981 Apr;26(4):271-4 (Eng. Abstr.) **(Rus)**

[Mutagenic action of benz(a)pyrene and its metabolites in the in vitro Salmonella typhimurium-microsomes test system] Tolcheev IuD, et al. **Biull Eksp Biol Med** 1980 Aug;90(8):208-10 (Eng. Abstr.) **(Rus)**

[Comparative study of the sterilizing action of chlorine-active disinfectants against the viral and bacterial microflora of sewage] Girin VN, et al. **Gig Sanit** 1981 Mar; (3):7-9 (Eng. Abstr.) **(Rus)**

[Mutagenic action of platinum and palladium compounds on bacteria] Suraĭkina TI, et al. **Tsitol Genet** 1979 Nov-Dec; 13(6):486-91 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Identification of the esterase peptide and its interaction with the cheZ peptide in bacterial sensing. Snyder MA, et al.
Biochimie 1981 Feb;63(2):113-7

Evidence for the existence of a family of bacterial nitroreductases capable of activating nitrated polycyclics to mutagens. McCoy EC, et al. **Environ Mutagen** 1981; 3(4):421-7

Patterns of product inhibition of a bifunctional dehydrogenase; L-histidinol:NAD+ oxidoreductase. Bürger E, et al. **Eur J Biochem** 1981 May;116(1):137-42

Genetic dissection of catalytic activities of the Salmonella typhimurium mannitol enzyme II. Leonard JE, et al. **J Bacteriol** 1981 Feb;145(2):1106–9

Regulation of derepressed synthesis of arylsulfatase by tyramine oxidase in Salmonella typhimurium. Murooka Y, et al. **J Bacteriol** 1981 Feb;145(2):796–802

Defective enzyme II-BGlc of the phosphoenolpyruvate:sugar phosphotransferase system leading to uncoupling of transport and phosphorylation in Salmonella typhimurium. Postma PW. **J Bacteriol** 1981 Aug;147(2):382–9

Substrate channeling: alpha-ketobutyrate inhibition of acetohydroxy acid synthase in Salmonella typhimurium. Shaw KJ, et al. **J Bacteriol** 1980 Sep;143(3):1509–12

Substrate specificity and kinetic characterization of sugar uptake and phosphorylation, catalyzed by the mannose enzyme II of the phosphotransferase system in Salmonella typhimurium. Rephaeli AW, et al. **J Biol Chem** 1980 Sep 25;255(18):8585–91

Phosphoryl exchange reaction catalyzed by enzyme I of the bacterial phosphoenolpyruvate: sugar phosphotransferase system. Kinetic characterization. Saier MH Jr, et al. **J Biol Chem** 1980 Sep 25;255(18):8579–84

Periplasmic phosphatases in Salmonella typhimurium LT2. A biochemical, physiological, and partial genetic analysis of three nucleoside monophosphate dephosphorylating enzymes. Uerkvitz W, et al. **J Biol Chem** 1981 Jan 10; 256(1):382–9

The identification of distinct protein kinases and phosphatases in the prokaryote Salmonella typhimurium. Wang JY, et al. **J Biol Chem** 1981 May 10;256(9):4640–8

Genetic separation of purine transport from phosphoribosyltransferase activity in Salmonella typhimurium. Benson CE, et al. **J Gen Microbiol** 1980 Dec; 121(Pt. 2):357–64

Repression and derepression of the enzymes of the pyrimidine biosynthetic pathway in Salmonella typhimurium. Smith JM, et al. **J Gen Microbiol** 1980 Nov;121(1):27–38

In vitro methylation of bacterial chemotaxis proteins: characterization of protein methyltransferase activity in crude extracts of Salmonella typhimurium. Clarke S, et al. **J Supramol Struct** 1980;13(3):315–28

Purification and properties of several transfer RNA methyltransferases from S. typhimurium. Cimino F, et al. **Mol Cell Biochem** 1981 Apr 27;36(2):95–104

GENETICS

Bacterial systems for mutagenicity testing. Mohn GR. **Acta Zool Pathol Antverp** 1980 Oct;(75):133–48

Incompatibility of R plasmids derived from Salmonella and Escherichia coli strains isolated simultaneously from a bovine fecal sample. Ishiguro N, et al. **Am J Vet Res** 1980 Dec;41(12):1982–6

pJT2: unusual H1 plasmid in a highly virulent lactose-positive and chloramphenicol-resistant Salmonella typhimurium strain from calves. Timoney JF, et al. **Antimicrob Agents Chemother** 1980 Sep;18(3):480–2

Antibiotic resistance and R-plasmids in food chain Salmonella: evidence of plasmid relatedness. Bezanson GS, et al. **Appl Environ Microbiol** 1981 Mar;41(3):585–92

Distribution of citrate utilization plasmids in Salmonella strains of bovine origin in Japan. Ishiguro N, et al. **Appl Environ Microbiol** 1980 Sep;40(3):446–51

Genetic effects of chlorinated anilines and azobenzenes on Salmonella typhimurium. Gilbert P, et al. **Arch Environ Contam Toxicol** 1980;9(5):533–41

Study of the mutagenic action of cyclophosphane on bacteria in host-mediated assay. Shapiro AA, et al. **Biol Bull Acad Sci USSR** 1979 May–Jun;6(3):310–5

Isolation and characterization of hemin-permeable, envelope-defective mutants of Salmonella typhimurium. Janzer JJ, et al. **Can J Microbiol** 1981 Feb;27(2):226–37

Absence of competition between salmonella phage P22 and coliphage P1 for adsorption sites on a Salmonella typhosa – Escherichia coli hybrid strain. Karunakaran V, et al. **Can J Microbiol** 1980 Jan;26(1):7–12

A standardized procedure for quantification of the Ames Salmonella/mammalian-microsome mutagenicity test. Belser WL Jr, et al. **Environ Mutagen** 1981;3(2):123–39

Bile as a source of mutagenic metabolites produced in vivo and detected by Salmonella typhimurium. Connor TH, et al. **Environ Mutagen** 1979;1(3):269–76

Variation in mutagenicity of s-triazine compounds tested on four Salmonella strains. Lusby AF, et al. **Environ Mutagen** 1979;1(3):287–90

An examination of the quantitative suspension assay for mutagenesis with strains of Salmonella typhimurium. Thompson ED, et al. **Environ Mutagen** 1981;3(4):453–65

Use of the improved arabinose-resistant assay system of Salmonella typhimurium for mutagenesis testing. Whong WZ, et al. **Environ Mutagen** 1981;3(1):95–9

Mutagenicity testing of coffee: a study of problems encountered with the Ames Salmonella test system. Aeschbacher HU, et al. **Food Cosmet Toxicol** 1980 Dec; 18(6):605–13

Characterization of a HindIII-generated DNA fragment carrying the glutamine synthetase gene of Salmonella typhimurium. Koduri RK, et al. **Gene** 1980 Nov; 11(3–4):227–37

Meso-tartrate resistance and phylogenetic relationships of biotypes of Salmonella typhimurium. May SG, et al. **Genet Res** 1980 Dec;36(3):327–37

Conditionally expressed missense mutations: the basis for the unusual phenotype of an apparent trpD nonsense mutant of Salmonella typhimurium. Tanemura S, et al. **Genetics** 1980 Jul;95(3):545–59

Plasmid studies of drug-resistant epidemic strains of Salmonella typhimurium belonging to phage types 204 and 193. Willshaw GA, et al. **J Antimicrob Chemother** 1980 Nov;6(6):763–73

Physical map of the Salmonella typhimurium histidine transport operon: correlation with the genetic map. Ardeshir F, et al. **J Bacteriol** 1981 Aug;147(2):401–9

Cloning and restriction map of the first part of the histidine operon of Salmonella typhimurium. Barnes WM. **J Bacteriol** 1981 Jul;147(1):124–34

Organization and regulation of the ilvGEDA operon in Salmonella typhimurium LT2. Berg CM, et al. **J Bacteriol** 1981 Feb;145(2):984–9

Molecular cloning and expression of the ilvGEDAY genes from Salmonella typhimurium. Blazey DL, et al. **J Bacteriol** 1981 Aug;147(2):452–62

Physical maps of Klebsiella aerogenes and Salmonella typhimurium hut genes. Blumenberg M, et al. **J Bacteriol** 1981 Jan;145(1):664–7

Positive selection for loss of tetracycline resistance. Bochner BR, et al. **J Bacteriol** 1980 Aug;143(2):926–33

Infection of Salmonella typhimurium with coliphage Mu d1 (Apr lac): construction of pyr::lac gene fusions. Csonka LN, et al. **J Bacteriol** 1981 Jan;145(1):299–305

Molecular cloning of chemotaxis genes and overproduction of gene products in the bacterial sensing system. DeFranco AL, et al. **J Bacteriol** 1981 Aug;147(2):390–400

Temperature-sensitive glutamate dehydrogenase mutants of Salmonella typhimurium. Dendinger SM, et al. **J Bacteriol** 1980 Dec;144(3):1043–7

Mutagenesis by neocarzinostatin in Escherichia coli and Salmonella typhimurium: requirement for umuC+ or plasmid pKM101. Eisenstadt E, et al. **J Bacteriol** 1980 Nov; 144(2):656–60

Genetic mapping of a mutation conferring sensitivity to bacteriophage Mu in Salmonella typhimurium LT2. Faelen M, et al. **J Bacteriol** 1981 Jun;146(3):914–9

Possible regulation of the Salmonella typhimurium histidine operon by adenosine triphosphate phosphoribosyltransferase: large metabolic effects. Goitein RK, et al. **J Bacteriol** 1980 Oct;144(1):337–45

Genetic mapping of the Salmonella typhimurium pepB locus. Green L, et al. **J Bacteriol** 1980 Sep;143(3):1524–6

R-factor cointegrate formation in Salmonella typhimurium bacteriophage type 201 strains. Helmuth R, et al. **J Bacteriol** 1981 May;146(2):444–52

Genetic analysis of a temperature-sensitive Salmonella typhimurium rho mutant with an altered rho-associated polycytidylate-dependent adenosine triphosphatase activity. Housley PR, et al. **J Bacteriol** 1981 Jul; 147(1):13–24

UGA suppressor that maps within a cluster of ribosomal protein genes. Johnston HM, et al. **J Bacteriol** 1980 Oct; 144(1):300–5

Isolation of ara-lac gene fusions in Salmonella typhimurium LT2 by using transducing bacteriophage Mu d (Apr lac). Lee JH, et al. **J Bacteriol** 1980 Sep;143(3):1325–31

Genetic characterization of the araE gene in Salmonella typhimurium lt2. Lee JH, et al. **J Bacteriol** 1981 Apr; 146(1):298–304

Locations of the opp and supX genes of Salmonella typhimurium and Escherichia coli. Lenny AB, et al. **J Bacteriol** 1980 Aug;143(2):747–52

Isolation and Characterization of acetate kinase and phosphotransacetylase mutants of Escherichia coli and Salmonella typhimurium. LeVine SM, et al. **J Bacteriol** 1980 Aug;143(2):1081–5

Bacteriophage P1 as a vehicle for Mu mutagenesis of Salmonella typhimurium. Rosenfeld SA, et al. **J Bacteriol** 1980 Nov;144(2):848–51

Regulation of nitrogen utilization of hisT mutants of Salmonella typhimurium. Rosenfeld SA, et al. **J Bacteriol** 1980 Aug;143(2):801–8

Gene rfaH, which affects lipopolysaccharide core structure in Salmonella typhimurium, is required also for expression of F-factor functions. Sanderson KE, et al. **J Bacteriol** 1981 May;146(2):535–41

Escherichia coli and Salmonella typhimurium supX genes specify deoxyribonucleic acid topoisomerase I. Trucksis M, et al. **J Bacteriol** 1981 Aug;147(2):679–81

Salmonella typhimurium mutants with reduced levels of transfer ribonucleic acid-inhibitable endodeoxyribonucleolytic activity. Zabel DJ, et al. **J Bacteriol** 1980 Oct;144(1):173–8

A Salmonella typhimurium mutant dependent upon carbamyl aspartate for resistance to 5-fluorouracil is specifically affected in ubiquinone biosynthesis. Zak VL, et al. **J Bacteriol** 1981 Feb;145(2):1095–8

Nucleotide sequence of the trpB gene in Escherichia coli and Salmonella typhimurium. Crawford IP, et al. **J Mol Biol** 1980 Oct 5;142(4):489–502

DNA sequence changes of mutations altering attenuation control of the histidine operon of Salmonella typhimurium. Johnston HM, et al. **J Mol Biol** 1981 Feb 5;145(4):735–56

Genetic analysis of the histidine operon control region of Salmonella typhimurium. Johnston HM, et al. **J Mol Biol** 1981 Feb 5;145(4):713–34

Nucleotide sequences of the trpG regions of Escherichia coli, Shigella dysenteriae, Salmonella typhimurium and Serratia marcescens. Nichols BP, et al. **J Mol Biol** 1980 Oct 5; 142(4):503–17

Functional analysis of wild=type and altered tryptophan operon promoters of Salmonella typhimurium in Escherichia coli. Oppenheim DS, et al. **J Mol Biol** 1980 Dec 5;144(2):143–61

Escherichia coli RNA polymerase and trp repressor interaction with the promoter-operator region of the tryptophan operon of Salmonella typhimurium. Oppenheim DS, et al. **J Mol Biol** 1980 Dec 5;144(2):133–42

Microbiological studies investigation mutagenicity of deep frying fat fractions and some of their components. Scheutwinkel-Reich M, et al. **Lipids** 1980 Oct; 15(10):849–52

envB mutations confer UV-sensitivity to Salmonella typhimurium and UV-resistance to Escherichia coli. Antón DN. **MGG** 1981;181(1):150–2

The tetracycline-resistance transposon Tn10 inhibits translocation of Tn10. Beck CF, et al. **MGG** 1980; 179(2):453–5

A mutation in Salmonella typhimurium imparting conditional resistance to 5-fluorouracil and a bioenergetic defect: mapping of cad. Kelln RA, et al. **MGG** 1980;179(3):677–81

Regulation of methyl beta-galactoside permease activity in pts and crr mutants of Salmonella typhimurium. Postma PW, et al. **MGG** 1981;181(4):448–53

Flurorcitrate resistant tricarboxylate transport mutants of Salmonella typhimurium. Somers JM, et al. **MGG** 1981; 181(3):338–45

The comparative response of Salmonella typhimurium strains TA1538, TA98 and TA100 to various hair-dye components. de Giovanni-Donnelly R. **Mutat Res** 1981 Jan;91(1):21–5

Interrelationships between the effects of the plasmids R205 and R144 on spontaneous and induced mutation yields in Salmonella typhimurium. Diver WP, et al. **Mutat Res** 1981 Jul–Sep;91(4–5):327–32

Carbon disulfide is not mutagenic in bacteria or Drosophila. Donner M, et al. **Mutat Res** 1981 May;91(3):163–6

Use of a mixed function amine oxidase for metabolic activation in the Ames/Salmonella assay system. Pelroy RA, et al. **Mutat Res** 1980 Sep;72(2):329–34

A cautionary note the use of nitroreductase-deficient strains of Salmonella typhimurium for the detection of nitroarenes as mutagens in complex mixtures including diesel exhausts. Rosenkranz HS, et al. **Mutat Res** 1981 Mar;91(2):103–5

Substrates and inhibitors of hepatic amine oxidase inhibit dimethylnitrosamine-induced mutagenesis in Salmonella typhimurium. Rowland IR, et al. **Mutat Res** 1980 Aug; 72(1):63–72

Some effects of bacteria population on quantitation of Ames Salmonella-histidine reversion mutagenesis assays. Salmeen I, et al. **Mutat Res** 1981 Jun;85(3):109–18

Enhancement of the mutagenicities of N-methyl-N'-nitro-N-nitrosoguanidine and N-methyl-N-nitrosourea by glucose. Shirai A, et al. **Mutat Res** 1980 Aug;72(1):73–7

Effect of recA and polA mutations on gene duplication in Salmonella typhimurium. Winfield SL, et al. **Mutat Res** 1981 Jan;91(1):15–20

Comparison of the nucleoside sequence of trpA and sequences immediately beyond the trp operon of Klebsiella aerogenes. Salmonella typhimurium and Escherichia coli. Nichols BP, et al. **Nucleic Acids Res** 1981 Apr 10; 9(7):1743–55

Spontaneous tandem genetic duplications in Salmonella typhimurium arise by unequal recombination between rRNA (rrn) cistrons. Anderson P, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):3113–7

Regulation of Tn5 transposition in Salmonella typhimurium. Biek D, et al. **Proc Natl Acad Sci USA** 1980 Oct; 77(10):6047–51

Inversions of specific DNA segments in flagellar phase variation of Salmonella and inversion systems of bacteriophages P1 and Mu. Kutsukake K, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7338–41

Nitrogen regulatory locus 'glnR' of enteric bacteria is composed of cistrons ntrB and ntrC: identification of their protein products. McFarland N, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2135–9

Procedure for production of hybrid genes and proteins and its use in assessing significance of amino acid differences in homologous tryptophan synthetase alpha polypeptides. Schneider WP, et al. **Proc Natl Acad Sci USA** 1981 Apr; 78(4):2169–73

Identification and localization of a gene that specifies production of Escherichia coli DNA topoisomerase I. Trucksis M, et al. **Proc Natl Acad Sci USA** 1981 Apr; 78(4):2164–8

[Rapid detection and identification of plasmids belonging to the H incompatibility group and infecting epidemic strains of 'Salmonella typhi-murium' (author's transl)] Pohl P, et al. **Ann Microbiol (Paris)** 1980 May–Jun;131(3):315–9 (Eng. Abstr.) **(Fre)**

[Preparation of stable Salmonella vaccine strains through combination of 2 independently attenuating markers with no limitation on growth] Linde K. **Arch Exp Veterinaermed** 1980;34(1):19–32 (Eng. Abstr.) **(Ger)**

[Chemical and biological properties of revertants derived from a Salmonella typhimurium Rd1-mutant (author's

transl)] Schlecht S, et al. **Zentralbl Bakteriol [A]** 1980 Jun; 247(1):50–63 (Eng. Abstr.) **(Ger)**

[Effect of the conjugative plasmids of S. typhimurium antibiotic resistance on the growth indices of E. coli] Lvanov NA, et al. **Antibiotiki** 1981 Mar;26(3):109–12 (Eng. Abstr.) **(Rus)**

[Relationship between the presence of plasmid pKM101 and the frequency of spontaneous and induced mutations of different kinds] Abdukhalykova GF, et al. **Biull Eksp Biol Med** 1980 JUL;89(7):92–5 (Eng. Abstr.) **(Rus)**

[Effect of plasmids col I and pKM101, alone or in combination, on spontaneous and induced mutability of salmonellae] Andreeva IV, et al. **Genetika (Moskva)** 1980; 16(7):1182–8 (Eng. Abstr.) **(Rus)**

[Intergeneric crossing: P1 phage transduction of the malB region in crosses between E. coli and S. typhimurium] Andreeva IV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Aug;(8):33–6 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Combined effect of acetate and reduced water activity in survival of Salmonella typhimurium 7136. Meyer LB, et al. **Appl Environ Microbiol** 1981 May;41(5):1173–6

Survival of two enterobacteria in feces buried in soil under field conditions. Temple KL, et al. **Appl Environ Microbiol** 1980 Oct;40(4):794–7

Effects of moisture content on long–term survival and regrowth of bacteria in wastewater sludge. Yeager JG, et al. **Appl Environ Microbiol** 1981 May;41(5):1117–22

Indigenous bacteria that influence the number of Salmonella typhimurium in the spleen of intravenously challenged mice. Roach S, et al. **Can J Microbiol** 1980 Mar; 26(3):408–11

The growth–promoting effect of bacterial iron for serum–exposed bacteria. Mellencamp MW, et al. **Immunology** 1981 Jul;43(3):483–91

[Investigations on experimental Salmonella–elimination in broiler chickens by substitution of the intestinal flora (author's transl)] Dorn P, et al. **DTW** 1981 Feb 5;88(2):54–9 (Eng. Abstr.) **(Ger)**

[Studies on survival of Salmonella typhimurium in different types of soils under outdoor climatic conditions (author's transl)] Platz S. **Zentralbl Bakteriol [B]** 1980; 171(2–3):256–68 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Protective immunity and the cell–mediated immune response in mice following oral administration of an avirulent strain of Salmonella typhimurium. Ivanoff B, et al. **Ann Microbiol (Paris)** 1980 Sep–Oct;131B(2):153–6!

Acquired immunity to Salmonella typhimurium and delayed (footpad) hypersensitivity in BALB/c mice. Hormaeche CE, et al. **Immunology** 1981 Jul;43(3):547–54

Antigenic modification: its relation to protective host resistance in murine salmonellosis. Bigley NJ, et al. **Infect Immun** 1981 Mar;31(3):1273–6

Induction of immunoenhancing factors for murine splenocyte cultures by Salmonella typhimurium ribosome and ribonucleic acid extracts. Butler RC, et al. **Infect Immun** 1981 Jun;32(3):1123–7

Artificial Salmonella vaccines: Salmonella typhimurium O–antigen–specific oligosaccharide–protein conjugates elicit opsonizing antibodies that enhance phagocytosis. Jörbeck HJ, et al. **Infect Immun** 1981 May;32(2):497–502

Characterization of murine antibody response to Salmonella typhimurium by a class–specific solid–phase radioimmunoassay. Metcalf ES, et al. **Infect Immun** 1981 Jan;31(1):33–41

Artificial Salmonella vaccines: Salmonella typhimurium O–antigen–specific oligosaccharide–protein conjugates elicit protective antibodies in rabbits and mice. Svenson SB, et al. **Infect Immun** 1981 May;32(2):490–6

Colony incompatibility studies among New Zealand and Australian isolates of Salmonella typhimurium phage type 179. Bettelheim KA. **J Hyg (Lond)** 1981 Jun;86(3):353–6

Nonspecific stimulation of antibacterial resistance by a synthetic thymic factor (FTS) in mice. Matsumoto T, et al. **Microbiol Immunol** 1980;24(12):1185–97

The mosaic of proteins synthesized by Salmonella typhimurium. Barber C. **Microbios** 1980;29(116):89–94

O–antigenic specificity of the protective supernatant factor from Salmonella typhimurium effective in S. typhimurium–infected mice. Plant JE, et al. **Parasite Immunol** 1980 Winter;2(4):293–302

Protection against mouse typhoid by artificial Salmonella vaccines. Svenson SB, et al. **Scand J Infect Dis [Suppl]** 1980;Suppl 24:210–5

Humoral and cellular immune response in mice after infection with Salmonella typhimurium. Sziegoleit A. **Zentralbl Bakteriol [A]** 1980;247(4):460–7

ELISA for measurement of antibody response to a killed Salmonella typhimurium vaccine in cattle. Robertsson JA, et al. **Zentralbl Veterinaermed [B]** 1980;27(1):28–35

[An ELISA study of the intestinal and serum anti–LPS antibody response in BALB/c mice fed with various mutants of 'Salmonella typhi–murium' (author's transl)] Lafont S, et al. **Ann Microbiol (Paris)** 1981 Jan–Feb; 132A(1):59–68 (Eng. Abstr.) **(Fre)**

[Live vaccines for the prevention of intestinal infections] Sergeev VV, et al. **Arch Exp Veterinaermed** 1980;34(1):87–9 (Eng. Abstr.) **(Ger)**

[Immunochemical studies of O–antigen in attenuated Salmonella mutants] Wonitzki C. **Arch Exp Veterinaermed** 1980;34(1):33–42 (Eng. Abstr.) **(Ger)**

[High–immunogenic mutants of Salmonella with two independently of each other attenuating markers as potential vaccines from bacteria capable of multiplication. I. communication: usefulness of the purin–auxotrophy for the isolation of high–immunogenic and stable double–marker strains (author's transl)] Linde K. **Zentralbl Bakteriol [A]** 1981;249(2):203–14 (Eng. Abstr.) **(Ger)**

[High–immunogenic mutants of Salmonella with two independently of each other attenuating markers as potential vaccines from bacteria capable of multiplication. 2. Communication: spontaneous chromosomal resistance against antibiotics as a possibility for isolation of clones with decreased virulence (author's transl)] Linde K. **Zentralbl Bakteriol [A]** 1981 Aug;249(3):350–61 (Eng. Abstr.) **(Ger)**

[Immunization against salmonella typhimurium infection in mice. Chemical composition and protecting activity of different extracts from salmonella R mutants (author's trans)] Müller W, et al. **Zentralbl Bakteriol [A]** 1980; 248(1):64–80 (Eng. Abstr.) **(Ger)**

[Basic studies of prevention of experimental salmonellosis (2). Distribution of SPA producing strains of S. typhimurium and correlation of protective immunity between SPA and killed vaccine (author's transl)] Sugihara H, et al. **Kansenshogaku Zasshi** 1980 Jun;54(6):299–305 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Enteropathogenic bacteria in frozen chicken. Norberg P. **Appl Environ Microbiol** 1981 Jul;42(1):32–4

Enteropathogenic bacteria in frozen chicken. Norberg P. **Appl Environ Microbiol** 1981 Jul;42(1):32–4

Changes in the Salmonella status of broiler chickens subjected to simulated shipping conditions. Rigby CE, et al. **Can J Comp Med** 1980 Oct;44(4):374–81

Virulence in mice of epidemic strains of Salmonella typhimurium isolated from children. Peluffo CA, et al. **J Infect Dis** 1981 Mar;143(3):465–9

Distribution of phagovars of Salmonella typhimurium in Canada (1969–1976). Khakhria R, et al. **Zentralbl Bakteriol [A]** 1980;248(1):50–63

[Edwardsiellae tarda and sp., and Salmonella typhimurium from birds in Camargue] Baylet R, et al. **Bull Soc Pathol Exot Filiales** 1979 Sep–Dec;72(5–6):405–10 (Eng. Abstr.) **(Fre)**

[Separation of Salmonella typhimurium into biochemical variants] Kaganovskaia SN, et al. **Lab Delo** 1981;(2):108–9 (Eng. Abstr.) **(Rus)**

[Salmonella typhimurium isolated from a burn wound] Atun IH, et al. **Mikrobiyol Bul** 1979 Jan;13(1):85–7 (Eng. Abstr.) **(Tur)**

METABOLISM

The role of proline in osmoregulation in Salmonella typhimurium and Escherichia coli. Csonka LN. **Basic Life Sci** 1981;18:533–42

Regulation of coat protein polymerization by the scaffolding protein of bacteriophage P22. Fuller MT, et al. **Biophys J** 1980;32(1):381–401

Citrate transport in Salmonella typhimurium: studies with 2–fluoro–L–erythro–citrate as a substrate. Ashton DM, et al. **Can J Biochem** 1980 Oct;58(10):797–803

Measurement of drug–metabolizing systems in Salmonella typhimurium strains G46, TA15135, TA100, TA1538 and TA98. Meijer J, et al. **Chem Biol Interact** 1980 Sep; 31(3):247–54

Stereochemistry of valine biosynthesis. Configuration of the product of rearrangement of alpha–acetolactate. Crout DH, et al. **Eur J Biochem** 1980 Sep;110(2):439–44

Phosphate–containing proteins of Salmonella typhimurium and Escherichia coli. Analysis by a new two–dimensional gel system. Ferro–Luzzi Ames G, et al. **Eur J Biochem** 1981 Apr;115(3):525–31

Competition between two pathways for sugar uptake by the phosphoenolpyruvate–dependent sugar phosphotransferase system in Salmonella typhimurium. Scholte BJ, et al. **Eur J Biochem** 1981;114(1):51–8

Characterization of Salmonella toxin released by mitomycin C–treated cells. Houston CW, et al. **Infect Immun** 1981 May;32(2):916–26

Binding specificity of piliated strains of Escherichia coli and Salmonella typhimurium to epithelial cells, saccharomyces cerevisiae cells, and erythrocytes. Korhonen TK, et al. **Infect Immun** 1981 May;32(2):796–804

Pyridine nucleotide cycle of Salmonella typhimurium: in vitro demonstration of nicotinamide adenine dinucleotide glycohydrolase, nicotinamide mononucleotide glycohydrolase, and nicotinamide adenine dinucleotide pyrophosphatase activities. Foster JW. **J Bacteriol** 1981 Feb;145(2):1002–9

Utilization of 2,6–diaminopurine by Salmonella typhimurium. Garber BB, et al. **J Bacteriol** 1980 Aug;143(2):864–71

Polyprenyl p–hydroxybenzoate carboxylase in flagellation of Salmonella typhimurium. Howlett BJ, et al. **J Bacteriol** 1980 Aug;143(2):644–51

Cation coupling to melibiose transport in Salmonella typhimurium. Niiya S, et al. **J Bacteriol** 1980 Oct; 144(1):192–9

The amino acid sequence of the histidine binding protein of Salmonella typhimurium. Hogg RW. **J Biol Chem** 1981 Feb 25;256(4):1935–9

Impaired bacterial binding to peritoneal exudate cells from mice with alloxan induced diabetes. Weir DM, et al. **J Clin Lab Immunol** 1981 Jan;5(1):37–40

Colicinogeny in Salmonella typhimurium. Barker RM. **J Gen Microbiol** 1980 Sep;120(1):21–6

Determination of ion permeability through the channels made of porins from the outer membrane of Salmonella typhimurium in lipid bilayer membranes. Benz R, et al. **J Membr Biol** 1980 Aug 21;56(1):19–29

Peptide accumulation during growth of peptidase deficient mutants. Yen C, et al. **J Mol Biol** 1980 Oct 15;143(1):35–48

Degradation of intracellular protein in Salmonella typhimurium peptidase mutants. Yen C, et al. **J Mol Biol** 1980 Oct 15;143(1):21–33

Cloning of the histidine transport genes from Salmonella typhimurium and characterization of an analogous transport system in Escherichia coli. Ardeshir F, et al. **J Supramol Struct** 1980;13(1):117–30

A proton nuclear magnetic resonance investigation of histidine–binding protein J of Salmonella typhimurium: a model for transport of L–histidine across cytoplasmic membrane. Ho C, et al. **J Supramol Struct** 1980; 13(2):131–45

Reconstitution of binding protein dependent ribose transport in spheroplasts derived from a binding protein negative Escherichia coli K12 mutant and from Salmonella typhimurium. Robb FT, et al. **J Supramol Struct** 1980; 13(2):183–90

Isolation of citrate utilization plasmid from a bovine Salmonella typhimurium strain. Ishiguro N, et al. **Microbiol Immunol** 1980;24(8):757–60

Effect of catabolite repression on chemotaxis in Salmonella typhimurium. Koshland DE Jr, et al. **Mol Biol Biochem Biophys** 1980;32:136–43

ATP–driven active transport in right–side–out bacterial membrane vesicles. Hugenholtz J, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3446–9

[Behavior of cAMP–deficient mutants of Salmonella typhimurium in macrophage cultures] Boichenko MN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Jan;(1):40–3 (Eng. Abstr.) **(Rus)**

PATHOGENICITY

Decrease in virulence of some well characterized pathogenic bacterial strains when grown in presence of infection. Babbar OP, et al. **Indian J Exp Biol** 1980 Nov;18(11):1233–7

Aromatic–dependent Salmonella typhimurium are non–virulent and effective as live vaccines. Hoiseth SK, et al. **Nature** 1981 May 21;291(5812):238–9

PHYSIOLOGY

Association with HeLa cells of LPS mutants of Salmonella typhimurium and Salmonella minnesota in relation to their physicochemical surface properties. Kihlström E, et al. **Cell Biophys** 1980 Sep;2(3):177–89

Phagocytic and chemiluminescent responses of mouse peritoneal macrophages to living and killed Salmonella typhimurium and other bacteria. Tomita T, et al. **Infect Immun** 1981 Jun;32(3):1242–8

Histidine starvation and adenosine 5'–triphosphate depletion in chemotaxis of Salmonella typhimurium. Galloway RJ, et al. **J Bacteriol** 1980 Dec;144(3):1068–75

Passive rotation of flagella on paralyzed Salmonella typhimurium (mot) mutants by external rotatory driving force. Ishihara A, et al. **J Bacteriol** 1981 Feb;145(2):1082–4

Aerotaxis in Salmonella typhimurium: role of electron transport. Laszlo DJ, et al. **J Bacteriol** 1981 Feb; 145(2):990–1001

Proline over–production results in enhanced osmotolerance in Salmonella typhimurium. Csonka LN. **MGG** 1981; 182(1):82–6

Surface charge and hydrophobicity of Salmonella, E. coli, Gonococci in relation to their tendency to associate with animal cells. Magnusson KE, et al. **Scand J Infect Dis [Suppl]** 1980;Suppl 24:135–40

[Multiresistant Salmonella strains in slaughtering calves] Guinée PA, et al. **Tijdschr Diergeneeskd** 1981 Feb 15; 106(4):203–6 **(Dut)**

RADIATION EFFECTS

Mutagenesis by ionizing radiation in strains of Salmonella typhimurium used in the Ames test. Imray FP, et al. **Int J Radiat Biol** 1981 Jul;40(1):111–5

Role of the supX gene in ultraviolet light–induced mutagenesis in Salmonella typhimurium. Overbye KM, et al. **J Bacteriol** 1981 Apr;146(1):170–8

Frameshift mutagenesis by ultraviolet light effects of broth and caffeine in the post–irradiation plating medium. MacPhee DG, et al. **Mutat Res** 1981 Jan;80(1):9–14

[Lethal and mutagenic action of UV light on salmonellae carrying wild or mutant alleles of the Escherichia coli lexA–gene] Andreeva IV, et al. **Genetika (Moskva)** 1981; 17(1):60–5 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Proteins of the outer membrane of gram-negative bacteria. Osborn MJ, et al. **Annu Rev Microbiol** 1980;34:369–422 (272 ref.)

Ubiquinone synthetic pathway in flagellation of Salmonella typhimurium. Bar-Tana J, et al. **J Bacteriol** 1980 Aug; 143(2):637–43

Morphogenesis of the bacterial division septum: identification of potential sites of division in lkyD mutants of Salmonella typhimurium. Fung JC, et al. **J Bacteriol** 1980 Aug; 143(2):1019–24

Characterization of type 1 pili of Salmonella typhimurium LT2. Korhonen TK, et al. **J Bacteriol** 1980 Nov; 144(2):800–5

Interactions of cations with membrane fractions of smooth and rough strains of Salmonella typhimurium and other Gram-negative bacteria. Stan-Lotter H, et al. **J Bacteriol** 1981 May;146(2):542–51

Bacterial cell envelopes with functional flagella. Eisenbach M, et al. **J Biol Chem** 1981 Aug 25;256(16):8807–14

A new method for determination of parity in optical diffraction patterns from the structures with helical symmetry. Aizawa S, et al. **J Mol Biol** 1980 Mar 15; 137(4):437–42

SALMONELLA TYPHOSA see **SALMONELLA TYPHI**

SALMONIDAE

Effect of acute acid stress on isolated perfused gills of rainbow trout. Jackson WF, et al. **Comp Biochem Physiol [C]** 1980;67C(2):141–5

Carbon tetrachloride-induced hepatotoxic response in rainbow trout, Salmo gairderni, as influenced by two commercial fish diets. Pfeifer KF, et al. **Comp Biochem Physiol [C]** 1980;67C(2):91–6

Biomicroscopic and histologic pathology of the eye in riboflavin deficient rainbow trout (Salmogairdneri). Hughes SG, et al. **Cornell Vet** 1981 Jul;71(3):269–79

Trout mortalities as a result of Streptococcus infection. Boomker J, et al. **Onderstepoort J Vet Res** 1979 Jun; 46(2):71–7

[New ethyl-m-aminobenzoate salts as temporary anesthesia agents in trout raising] Boiadzhiev N, et al. **Vet Med Nauki** 1980;17(2):55–9 (Eng. Abstr.) **(Bul)**

ANATOMY & HISTOLOGY

Acidophilic granular cells in the epidermis of the brown trout, Salmo trutta L. Blackstock N, et al. **Cell Tissue Res** 1980;210(3):359–69

Fine structure and function of interrenal (adrenocortical) cells of dexamethasone-treated trout (Salmo fario L.). Jung B, et al. **Cell Tissue Res** 1981;214(3):641–9

Microtubules and 10 nm-filaments in the retinal pigment epithelium during the diurnal light-dark-cycle. Klyne MA, et al. **Cell Tissue Res** 1981;214(2):397–405

Glycoprotein gonadotropin in the plasma and its cellular origin in the adenohypophysis of sham-operated and ovariectomized rainbow trout, Salmo gairderi. Van Putten LJ, et al. **Cell Tissue Res** 1981;218(2):439–48

Myelinated axons of ganglion cells in the retinae of teleosts. Wolburg H. **Cell Tissue Res** 1980;210(3):517–20

New views on intestinal absorption of lipids in teleostean fishes: an ultrastructural and biochemical study in the rainbow trout. Sire MF, et al. **J Lipid Res** 1981 Jan; 22(1):81–94

Elastoidin actinotrichia in Coelacanth fins: a comparison with teleosts. Geraudie J, et al. **Tissue Cell** 1980;12(4):637–45

BLOOD

Some aspects of lipid transport in the rainbow trout. Rogie A, et al. **Biochem Soc Trans** 1981 Feb;9(1):59–60

Effects of intermittent chlorination on plasma proteins of rainbow trout (Salmo gairdneri). Booth PM Jr, et al. **Bull Environ Contam Toxicol** 1981 Feb;26(2):163–70

Serum enzymes in rainbow trout as tools in the diagnosis of water quality. Wieser W, et al. **Bull Environ Contam Toxicol** 1980 Aug;25(2):188–93

Intoxication of trout erythrocytes from hypochlorous acid and monochloramine in vitro: evidence for different modes of action. Buckley JA. **Comp Biochem Physiol [C]** 1981; 69C(1):133–6

The absence of acetylcholinesterase in various blood preparations of rainbow trout, Salmo gairdneri. Tilley PA, et al. **Comp Biochem Physiol [C]** 1981;69C(1):125–7

Differences in concentrations of plasma cortisol in the trout and the eel following adaptation to black or white backgrounds. Baker BI, et al. **J Endocrinol** 1981 Apr; 89(1):135–40

Identification and quantification of steroids in the serum of rainbow trout during spermiation and oocyte maturation. Campbell CM, et al. **J Endocrinol** 1980 Jun;85(3):371–8

1,25-dihydroxyvitamin D in male, nonspawning female, and spawning female trout. Avioli LV, et al. **Proc Soc Exp Biol Med** 1981 Feb;166(2):291–3

[Possibilities of enhancing the organ-specific value of enzymatic diagnosis in the rainbow trout (S. irrideus G.)] Boiadzhiev N. **Vet Med Nauki** 1980;17(1):70–4 (Eng. Abstr.) **(Bul)**

[Serum proteins of rainbow trout in viral hemorrhagic septicemia] Georgiev GS, et al. **Vet Med Nauki** 1980; 17(1):52–7 (Eng. Abstr.) **(Bul)**

[Activities of twelve enzymes in the blood plasma of rainbow trout and tench subjected to various forms of thermal disturbance] Perrier H, et al. **Rev Can Biol** 1980 Sep; 39(3):141–7 (Eng. Abstr.) **(Fre)**

EMBRYOLOGY

A morphological and experimental study of gonadal sex differentiation in the rainbow trout, Salmo gairdneri. van den Hurk R, et al. **Cell Tissue Res** 1981;218(3):487–97

Rainbow trout (Salmo gairdneri) embryos: a sensitive animal model for experimental carcinogenesis. Hendricks JD, et al. **Fed Proc** 1980 Dec;39(14):3222–9

[Development of the trout visual system (Salmo irideus) (author's transl)] Pinganaud G. **Arch Anat Microsc Morphol Exp** 1980;69(3):215–31 (Eng. Abstr.) **(Fre)**

GENETICS

Para-albumin polymorphism: an unlinked two-locus system in rainbow trout. Gall GA, et al. **J Hered** 1981 Jan-Feb; 72(1):22–6

Pseudolinkage of the duplicate loci for supernatant aspartate aminotransferase in brook trout, Salvelinus fontinalis. Wright JE Jr, et al. **J Hered** 1980 Jul-Aug;71(4):223–8

[Histones of Salmonidae fishes. Comparative study of histones from different species and intraspecies variability of Oncorhynchus nerka H1] Zalenskii AO, et al. **Biokhimiia** 1981 Mar;46(3):481–5 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Chronic cyanide poisoning of rainbow trout and its effects on growth, respiration, and liver histopathology. Dixon DG, et al. **Arch Environ Contam Toxicol** 1981;10(1):117–31

Quantitative ultrastructural investigations on synaptogenesis in the cerebellum and the optic tectum of light-reared and dark-reared rainbow trout (Salmo gairdneri Rich.). Zeutzius I, et al. **Differentiation** 1980;17(3):181–6

Effects of 2,3,7,8-tetrachlorodibenzo-dioxin (TCDD) on early life stages of rainbow trout (Salmo gairdneri, Richardson). Helder T. **Toxicology** 1981;19(2):101–12

[Utilization of protein from agroindustrial by-products in the feeding of the rainbow trout during the fry stage] Grumberg J, et al. **Arch Latinoam Nutr** 1980 Jun; 30(2):223–35 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Rainbow trout gill pillar cells: demonstration of inert particle phagocytosis and involvement in viral infection. Chilmonczyk S, et al. **J Reticuloendothel Soc** 1980 Oct; 28(4):327–32

METABOLISM

Factors affecting 3H2O transfer capacity of isolated perfused trout gills. Jackson WF, et al. **Am J Physiol** 1981 Mar; 240(3):R235–45

Heterogeneity of proteins resembling high-mobility-group protein HMG-T in trout testes nuclei. Brown E, et al. **Biochem J** 1980 Nov 1;191(2):661–4

A hexokinase from fish liver with wide specificity for nucleotides as phosphoryl donor. Nagayama F, et al. **Biochim Biophys Acta** 1980 Sep 9;615(1):85–93

Studies on the nutrition of salmonid fish. The magnesium requirement of rainbow trout (Salmo gairdneri). Knox D, et al. **Br J Nutr** 1981 Jan;45(1):137–48

Distribution of radioactivity in the chondrichthyes Squalus acanthias and the osteichthyes Salmo gairdneri following intragastric administration of (9-14C)phenanthrene. Solbakken JE, et al. **Bull Environ Contam Toxicol** 1980 Dec;25(6):902–8

Uptake, metabolism, and elimination of diphenyl ether by trout and stickleback. Wong K, et al. **Bull Environ Contam Toxicol** 1981 Feb;26(2):243–7

Rates of glucose and lactate oxidation by the perfused isolated trout (Salvelinus fontinalis) heart. Lanctin HP, et al. **Can J Zool** 1980 Sep;58(9):1708–11

Correlation of plasma estradiol-17 beta and progesterone levels with ultrastructure and histochemistry of ovarian follicles in the white-spotted char, Salvelinus leucomaenis. Kagawa H, et al. **Cell Tissue Res** 1981;218(2):315–29

Localization by immunofluorescence of a gastrin-like substance in the brain of the rainbow trout, Salmo gairdneri. Notenboom CD, et al. **Cell Tissue Res** 1981; 214(2):247–55

Effects of clophen A50 on the metabolism of paranitroanisole in an in vitro perfused rainbow trout liver. Förlin L, et al. **Comp Biochem Physiol [C]** 1981;68C(2):239–42

Lipid biosynthesis in rainbow trout, Salmo gairdnerii, fed diets of differing lipid content. Henderson RJ, et al. **Comp Biochem Physiol [C]** 1981;69C(1):31–7

The effects of zinc on branchial adenosine triphosphatase enzymes in vitro from rainbow trout, Salmo Gairdneri. Watson TA, et al. **Comp Biochem Physiol [C]** 1981; 68C(2):167–73

Metabolism of 2-methylnaphthalene to isomeric dihydrodiols by hepatic microsomes of rat and rainbow trout. Breger RK, et al. **Drug Metab Dispos** 1981 Mar-Apr;9(2):88–93

The disposition of naphthalene and its metabolites in the brain of rainbow trout (Salmo gairdneri). Collier TK, et al. **Environ Res** 1980 Oct;23(1):35–41

Amino acid utilisation in isolated hepatocytes from rainbow trout. French CJ, et al. **Eur J Biochem** 1981 Jan; 113(2):311–7

Comparative studies of glucose metabolism in corneas of the dogfish shark, longhorn sculpin and rainbow trout. Geroski DH, et al. **Exp Eye Res** 1981 Feb;32(2):133–41

DNA repair and longevity in three species of cold-blooded vertebrates. Woodhead AD, et al. **Exp Gerontol** 1980; 15(4):301–4

The effect of bovine insulin on [14C]glucose and [3H]leucine incorporation in fed and fasted rainbow trout (Salmo gairdneri). Ablett RF, et al. **Gen Comp Endocrinol** 1981 Aug;44(4):418–27

The in vitro effects of 17 alpha-hydroxy-20 beta-dihydroprogesterone on germinal vesicle breakdown in brook trout (Salvelinus fontinalis) oocytes. Duffey RJ, et al. **Gen Comp Endocrinol** 1980 Aug;41(4):563–5

Sex differences in the hepatic in vitro metabolism of 4-androstene-3,17-dione in rainbow trout, Salmo gairdnerii. Hansson T, et al. **Gen Comp Endocrinol** 1981 Jun;44(2):181–8

Gonadotropin stimulation of estrogen and yolk precursor synthesis in juvenile rainbow trout. Idler DR, et al. **Gen Comp Endocrinol** 1980 Jul;41(3):384–91

The effect of prolactin on water absorption by the intestine of the trout (Salmo gairdneri). Morley M, et al. **Gen Comp Endocrinol** 1981 May;44(1):64–8

Effects of para-chlorophenylalanine, a brain serotonin depletor, on pituitary cyclic AMP levels in the rainbow trout, Salmo gairdneri. Olcese J, et al. **Gen Comp Endocrinol** 1981 Apr;43(4):462–6

Annual changes in plasma and liver in relation to vitellogenesis in the female rainbow trout, Salmo gairdneri. van Bohemen CG, et al. **Gen Comp Endocrinol** 1981 May; 44(1):94–107

Saturable 3,5,3'-triiodo-L-thyronine-binding sites in liver nuclei of rainbow trout (Salmo gairdneri Richardson). van der Kraak GJ, et al. **Gen Comp Endocrinol** 1980 Dec; 42(4):437–48

Extraction and cleanup of fish, sediment, and water for determination of triaryl phosphates by gas-liquid chromatography. Muir DC, et al. **J Assoc Off Anal Chem** 1981 Jan;64(1):79–84

In-vitro metabolism of 4-androstene-3,17-dione by hepatic microsomes from the rainbow trout (Salmo gairdnerii): effects of hypophysectomy and oestradiol-17 beta. Hansson T, et al. **J Endocrinol** 1981 Jul;90(1):103–12

Site of calcium uptake in the fresh water trout gill. Payan P, et al. **J Exp Zool** 1981 May;216(2):345–7

Effects of quantity and quality of dietary protein on certain enzyme activities in rainbow trout. Cowey CB, et al. **J Nutr** 1981 Feb;111(2):336–45

The requirement and toxicity of selenium in rainbow trout (Salmo gairdneri). Hilton JW, et al. **J Nutr** 1980 Dec; 110(12):2527–35

Alterations in hepatic mixed-function oxidase activity of rainbow trout after acute treatment with polybrominated biphenyl isomers and FireMaster BP-6. Franklin RB, et al. **J Toxicol Environ Health** 1981 May;7(5):817–27

Uptake metabolism, and elimination of 14C-labeled 1,2,4-trichlorobenzene in rainbow trout and carp. Melancon MJ, et al. **J Toxicol Environ Health** 1980 May; 6(3):645–58

Alteration of liver microsomal proteins from rainbow trout (Salmo gairdneri) fed cyclopropenoid fatty acids. Selivonchick DP, et al. **Lipids** 1981 Mar;16(3):211–4

Effect of dietary ascorbic acid on the susceptibility of steelhead trout (Salmo gairdneri) to nitrite toxicity. Blanco O, et al. **Rev Biol Trop** 1980 Jul;28(1):91–107

Elimination and metabolism of permethrin isomers in rainbow trout. Glickman AH, et al. **Toxicol Appl Pharmacol** 1981 Jan;57(1):88–98

The effect of various types of inducing agents on hepatic microsomal monooxygenase activity in rainbow trout. Vodicnik MJ, et al. **Toxicol Appl Pharmacol** 1981 Jun 30; 59(2):364–74

[Lactate dehydrogenase in the rainbow trout (S. irideus Gib.)] Boiadzhiev N. **Vet Med Nauki** 1980;17(8):3–7 (Eng. Abstr.) **(Bul)**

MICROBIOLOGY

Aeromonas hydrophila in rainbow trout: relation between virulence and surface characteristics. Mittal KR, et al. **Can J Microbiol** 1980 Dec;26(12):1501–3

PARASITOLOGY

Biology of Cucullanus truttae (nematoda) in a trout stream. Moravec F. **Folia Parasitol (Praha)** 1980;27(3):217–26

[Life cycle of Proteocephalus neglectus (Cestoda) from rainbow trout Salmo gairdneri] Priemer J. **Angew Parasitol** 1980 Aug;21(3):125–33 (Eng. Abstr.) **(Ger)**

[Parasites of Salmo trutta L. from the Titino River. Part III. Histological observations of parasites of the intestinal tract] Catalini N, et al. **Parassitologia** 1978 Dec;20(1-3):169–73 (Eng. Abstr.) **(Ita)**

[Parasites of Salmo trutta L. from the Tirino River. Part IV. Intermediate hosts of Cyathocephalus truncatus (Pallas, 1781) and Dentitruncus truttae Sinzar, 1955] Orecchia P, et al. **Parassitologia** 1978 Dec;20(1-3):175–81 (Eng. Abstr.) **(Ita)**

[Parasites of Salmo trutta L. from the Tirino River. II. Host–parasite interactions of helminth species] Paggi L, et al. **Parassitologia** 1978 Dec;20(1-3):161–8 (Eng. Abstr.) **(Ita)**

[New data for the identification of Diphyllobothrium sp. in Lake Rupanco, Chile (author's transl)] González H, et al. **Bol Chil Parasitol** 1980 Jan–Mar;35(1–2):10–4 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

Evaluation of an automatic system for detection of toxic substances in surface water using trout. Van Hoof F. **Bull Environ Contam Toxicol** 1980 Aug;25(2):221–5

Toxicity of five forest insecticides to cutthroat trout and two species of aquatic invertebrates. Woodward DF, et al. **Bull Environ Contam Toxicol** 1980 Dec;25(6):846–33

Aflatoxicol–induced hepatocellular carcinoma in rainbow trout (Salmo gairdneri) and the synergistic effects of cyclopropenoid fatty acids. Schoenhard GL, et al. **Cancer Res** 1981 Mar;41(3):1011–4

Toxicity of eight solvent extraction chemicals and of cadmium to water fleas, Daphnia magna, rainbow trout, Salmo gairdneri, and zebrafish, Brachydanio rerio. Dave G, et al. **Comp Biochem Physiol [C]** 1981;69C(1):83–98

Effects of mercuric chloride and methylmercuric chloride on the osmoregulatory function of the gills in rainbow trout, Salmo gairdneri Richardson. Lock RA, et al. **Comp Biochem Physiol [C]** 1981;68C(2):151–9

Effects of mercuric chloride and methylmercuric chloride on mucus secretion in rainbow trout, Salmo gairdneri Richardson. Lock RA, et al. **Comp Biochem Physiol [C]** 1981;69C(1):67–73

The effect of adrenaline on peripheral vascular resistance at different temperatures in a hind part preparation of rainbow trout (Salmo gairdnerii R.). Moen KA, et al. **Comp Biochem Physiol [C]** 1981;69C(1):157–9

The effect of prolonged administration of bovine insulin in rainbow trout (Salmo gairdneri R.). Ablett RF, et al. **Gen Comp Endocrinol** 1981 Feb;43(2):211–7

Changes in the concentrations of plasma cortisol and thyroxine during sexual maturation o the hatchery–reared brown trout, Salmo trutta L. Pickering AD, et al. **Gen Comp Endocrinol** 1981 Aug;44(4):487–96

Effect of oxidized fish oil on the ascorbic acid nutrition of rainbow trout (Salmo gairdneri). Hung SS, et al. **Int J Vitam Nutr Res** 1980;50(4):393–400

Null effect of dietary Aroclor 1254 on hepatocellular carcinoma incidence in rainbow trout (Salmo gairdneri) exposed to aflatoxin B1 as embryos. Hendricks JD, et al. **J Environ Pathol Toxicol** 1980 Nov;4(5–6):9–16

Exercise training in skeletal muscle of brook trout (Salvelinus fontinalis). Johnston IA, et al. **J Exp Biol** 1980 Aug; 87:177–94

The influence of calcium on the physiological responses of the rainbow trout, Salmo gairdneri, to low environmental pH. McDonald DG, et al. **J Exp Biol** 1980 Oct;88:109–31

Effects of pH on sodium uptake in Norwegian brown trout (Salmo trutta) from an acid river. McWilliams PG. **J Exp Biol** 1980 Oct;88:259–67

Acclimation to an acid medium in the brown trout Salmo trutta. McWilliams PG. **J Exp Biol** 1980 Oct;88:269–80

The reflex control of heart rate and cardiac output in the rainbow trout: interactive influences of hypoxia, haemorrhage, and systemic vasomotor tone. Wood CM, et al. **J Exp Biol** 1980 Aug;87:271–84

Cardiovascular dynamics and adrenergic responses of the rainbow trout in vivo. Wood CM, et al. **J Exp Biol** 1980 Aug;87:247–70

Effect of oxidized fish oil, DL–alpha–tocopheryl acetate and ethoxyquin supplementation on the vitamin E nutrition of rainbow trout (Salmo gairdneri) fed practical diets. Hung SS, et al. **J Nutr** 1981 Apr;111(4):648–57

Control of gonadotrophic hormone release in trout: influence of synthetic LH–RH and LH–RH analogues in vivo and in vitro. Crim LW, et al. **Life Sci** 1981 Jan 12;28(2):129–35

Subcellular localization of succinate dehydrogenase in the photoreceptor ellipsoids of the brook trout (Salvelinus fontinalis, Mitchill). Athanassious R, et al. **Mikroskopie** 1980 Sep;36(5–6):175–90

Retinomotor responses: role of microtubules. Klyne MA, et al. **Mikroskopie** 1980 Oct;36(7–8):199–212

Biochemical studies of olfaction: isolation, characterization, and odorant binding activity of cilia from rainbow trout olfactory rosettes. Rhein LD, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4412–6

Blood acid–base regulation during environmental hyperoxia in the rainbow trout (Salmo gairdneri). Wood CM, et al. **Respir Physiol** 1980 Dec;42(3):351–72

[Prolongation of the duration of motility and fertilizing ability of rainbow trout spermatozoa by the addition of theophylline to the dilution medium] Billard R. **C R Acad Sci [D] (Paris)** 1980 Oct 20;291(7):649–52 (Eng. Abstr.) **(Fre)**

[Use of the bioelectric activity of the olfactory bulb of the trout Salmo gairdneri in the detection of pesticides] Borie F, et al. **C R Acad Sci [D] (Paris)** 1981 Jan 12;292(2):235–8 (Eng. Abstr.) **(Fre)**

[Effect of 'potassium' selection of parental gametes on the viability and weight of the progeny of Salmo irideus trout] Ushakov VB, et al. **Zh Evol Biokhim Fiziol** 1980 Sep–Oct; 16(5):516–8 **(Rus)**

SALPINGITIS

Nodular salpingitis and tubal endometriosis. I. Comparative clinical study. Cioltei A, et al. **Acta Eur Fertil** 1979 Dec; 10(4):135–41 **(Eng, Fre)**

[Acute salpingitis] Jerve F, et al. **Tidsskr Nor Laegeforen** 1980 Aug 10;100(22):1283–5 (Eng. Abstr.) **(Nor)**

COMPLICATIONS

Sacroiliitis in women––a late sequela to acute salpingitis. Hagenfeldt K, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 2):1039–41

Intrauterine contraceptive device use in patients with acute salpingitis. Paavonen J, et al. **Contraception** 1980 Aug; 22(2):107–14

[An unusual cause of intra–abdominal gas pouches (author's transl)] Gaillard S, et al. **Ann Radiol (Paris)** 1980 Dec; 23(8):675–8 (Eng. Abstr.) **(Fre)**

[Reproductive function disorder in nonspecific salpingo–oophoritis] Bergman AS, et al. **Akush Ginekol (Mosk)** 1981 Feb;(2):19–22 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Nodular salpingitis and tubal endometriosis. II. Diagnosis and differential diagnosis. Cioltei A, et al. **Acta Eur Fertil** 1979 Dec;10(4):147–60 **(Eng, Fre)**

Laparoscopy in the diagnosis and management of patients with suspected salpingo–oophoritis. Ledger WJ. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 2):1012–6 (13 ref.)

Pneumococcal pyosalpinx in a prepubertal child. Casiro OG, et al. **Isr J Med Sci** 1980 Dec;16(12):865–6

[Case of tubo–ovarian abscess due to Klebsiella pneumoniae] Bugalski R, et al. **Wiad Lek** 1980 Sep 15;33(18):1505–7 (Eng. Abstr.) **(Pol)**

[Cytological method in the diagnosis of endosalpingitis] Lebedev SS, et al. **Akush Ginekol (Mosk)** 1981 Apr;(4):53 **(Rus)**

DRUG THERAPY

Computer–assisted analysis of the therapy of acute salpingitis. Bell TA, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 2):1048–54

ETIOLOGY

In vitro modeling of acute salpingitis caused by Neisseria gonorrhoeae. Draper DL, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 2):996–1002

Contraceptive practice and tuboovarian abscess. Edelman DA, et al. **Am J Obstet Gynecol** 1980 Nov 1;138(5):541–4

Salpingitis: overview of etiology and epidemiology. Holmes KK, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 2):893–900 (37 ref.)

An overview of infectious agents of salpingitis, their biology, and recent advances in methods of detection. Mårdh PA. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 2):933–51 (139 ref.)

Recovery of Neisseria meningitidis from the cul–de–sac of a woman with endometritis–salpingitis–peritonitis. Monif GR. **Am J Obstet Gynecol** 1981 Jan;139(1):108–9

Risk of pelvic inflammatory disease among users of intrauterine devices, irrespective of previous pregnancy. Osser S, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 2):864–7

Chlamydia trachomatis in acute salpingitis. Paavonen J. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 2):957–9

Chlamydia trachomatis infection in patients with laparoscopically verified acute salpingitis. Results of isolation and antibody determinations. Ripa KT, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 2):960–4

Experimental chlamydial salpingitis in the guinea pig. Sweet R, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 2):952–6

Fatal peritonitis following IUD–associated salpingitis. Maloy AL, et al. **Obstet Gynecol** 1981 Sep;58(3):397–8

Etiology of acute salpingitis: influence of episode number and duration of symptoms. Sweet RL, et al. **Obstet Gynecol** 1981 Jul;58(1):62–8

IMMUNOLOGY

Comparison of serological tests for detection of Mycoplasma hominis antibodies in female Grivet monkeys with experimentally induced salpingitis. Møller BR. **Acta Pathol Microbiol Scand [B]** 1981;89B(1):7–11

Gonococcal salpingitis is less likely to recur with Neisseria gonorrhoeae of the same principal outer membrane protein antigenic type. Buchanan TM, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 2):978–80

Antibodies to Chlamydia trachomatis, Mycoplasma hominis, and Neisseria gonorrhoeae in sera from patients with acute salpingitis. Mårdh PA, et al. **Br J Vener Dis** 1981 Apr; 57(2):125–9

MICROBIOLOGY

Differences in some clinical and laboratory parameters in acute salpingitis related to culture and serologic findings. Svensson L, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 2):1017–21

Microbiology and pathogenesis of acute salpingitis as determined by laparoscopy: what is the appropriate site to sample? Sweet RL, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 2):985–9

Auxotypes and antibiotic susceptibilities of Neisseria gonorrhoeae from women with acute salpingitis. Comparison with gonococci causing uncomplicated genital tract infections in women. Draper DL, et al. **Sex Transm Dis** 1981 Apr–Jun;8(2):43–50

Acute salpingitis with Chlamydia trachomatis isolated from the fallopian tubes: clinical, cultural, and serologic findings. Svensson L, et al. **Sex Transm Dis** 1981 Apr–Jun; 8(2):51–5

[A microbiological study of swabs taken laparoscopically in cases of salpingitis and tubal sterility. Research for Chlamydia trachomatis and for mycoplasmas (author's transl)] Henry–Suchet J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(4):445–53 (Eng. Abstr.) **(Fre)**

[Bacteriological cultures by laparoscopy in salpingitis (author's transl)] Henry–Suchet J, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(3):341–6 (Eng. Abstr.) **(Fre)**

OCCURRENCE

Frequency and distribution of salpingitis and pelvic inflammatory disease in short–stay hospitals in the United States. Jones OG, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 2):905–8

PATHOLOGY

Glandular inclusions in lymph nodes. The problem of extensive involvement and relationship to salpingitis. Kheir SM, et al. **Am J Surg Pathol** 1981 Jun;5(4):353–9

[Electron microscopy for examination of epithelium of hydrosalpinx (author's transl)] Philipp E. **Zentralbl Gynaekol** 1981;103(1):19–30 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

The phrenic syndrome in salpingitis ('acute perihepatitis') explained by absorption of exudates from the peritoneal cavity through the diaphragm. Holm–Nielsen P. **Acta Chir Scand** 1981;147(1):53–5

THERAPY

[Effectiveness of a UHF electrical field at 40.68 and 27.12 MHz in vertebrogenic pains and suppurative–inflammatory processes] Skurikhina LA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Mar–Apr; (2):52–4 **(Rus)**

VETERINARY

Experimental bovine genital ureaplasmosis. II. Granular vulvitis, endometritis and salpingitis following uterine inoculation. Doig PA, et al. **Can J Comp Med** 1980 Jul; 44(3):259–66

Salpingitis in poultry. I. Prevalence, bacteriology and possible pathogenesis in broilers. Bisgaard M, et al. **Nord Vet Med** 1980 Sep;32(9):361–8

Salpingitis in poultry. II. Prevalence, bacteriology, and possible pathogenesis in egg–laying chickens. Bisgaard M, et al. **Nord Vet Med** 1981 Feb;33(2):81–9

SALPINGOGRAPHY see **HYSTEROSALPINGOGRAPHY**

SALSOLINE ALKALOIDS see under **ISOQUINOLINES**

SALT GLAND

CYTOLOGY

Preparation and characterization of single cells from the avian salt gland. Hossler FE, et al. **Scan Electron Microsc** 1980;(Pt 2):155–62

ENZYMOLOGY

Concanavalin A––Sepharose purification of soluble Na,K–ATPase from rectal glands of the spiny dogfish. Esmann M. **Anal Biochem** 1980 Oct;108(1):83–5

Hydrodynamic properties of solubilized (Na+ + K+)–ATPase from rectal glands of Squalus acanthias. Esmann M, et al. **Biochim Biophys Acta** 1980 Dec 2; 603(1):1–12

The induction of (Na+ + K+)–ATPase in the salt gland of the duck. Lingham RB, et al. **Biochim Biophys Acta** 1980 Sep 2;601(1):229–34

Inhibition of a Cl–/HCO3(–)ATPase in the avian salt gland by furosemide and ethacrynic acid. Gassner D, et al. **Cell Biol Int Rep** 1981 Mar;5(3):239–46

METABOLISM

Effect of methacholine on Na+ pump activity and ion content of dispersed avian salt gland cells. Hootman SR, et al. **Am J Physiol** 1981 Jul;241(1):R77–86

Role of cyclic GMP in cholinergic activation of Na–K pump in duck salt gland. Stewart DJ, et al. **Am J Physiol** 1981 May;240(5):C207–14

PHYSIOLOGY

Properties of body fluids influencing salt gland secretion in

Pekin ducks. Hammel HT, et al. **Am J Physiol** 1980 Nov; 239(5):R489–96

Intracerebroventricular osmosensitivity in the Pekin Duck. Properties and functions in salt and water balance. Deutsch H, et al. **Pfluegers Arch** 1980 Aug;387(1):1–7

SALTS

The effects of neutral salts on the stability of macromolecules. A new approach using a protein–ligand binding system. Damodaran S, et al. **J Biol Chem** 1981 Apr 10;256(7):3394–8

METABOLISM

Sodium pump activity in arteries of Dahl salt-sensitive rats. Overbeck HW, et al. **Hypertension** 1981 May–Jun; 3(3):306–12

PHARMACODYNAMICS

Effects of di-n-butyl phthalate and salinity on the growth of the diatom Skeletonema costatum. Medlin LK. **Bull Environ Contam Toxicol** 1980 Jul;25(1):75–8

Effect of dietary salt, arsenic and copper additions and waste management systems on selected microbial organisms in swine wastes. Sutton AL, et al. **J Anim Sci** 1980 Oct; 51(4):791–7

Salt-induced exposure of high affinity thyrotropin receptors on human and porcine thyroid membranes. Pekonen F, et al. **J Biol Chem** 1980 Sep 10;255(17):8121–7

THERAPEUTIC USE

Iron-fortified salt to combat anemia. **Nutr Rev** 1980 Sep; 38(9):308–9

TOXICITY

The production of heterotopic calcification by certain chemical salts. McClure J. **J Pathol** 1980 May;131(1):21–33

[QSAR in toxicology. III. Its use in the determination of the toxicity of inorganic cations] Tichý M, et al. **Cesk Farm** 1981 Feb;30(1):7–10 (Eng. Abstr.) **(Cze)**

URINE

[Urinary calculosis. Degree of saturation and inhibitors under conditions of hypertonic, normotonic and hypotonic expansion of extracellular liquids] Baggio B, et al. **Minerva Nefrol** 1980 Apr–Jun;27(2):259–62 (Eng. Abstr.) **(Ita)**

SAMARIUM

Studies on incorporated short-lived beta-emitters with regard to the induction of late effects. Müller WA, et al. **Radiat Environ Biophys** 1980;18(1):1–11

[Clinical application of samarium–cobalt extracting magnet for projectile splinter in soft tissue (author's transl)] Gao JB. **Chung Hua Wai Ko Tsa Chih** 1980;18(4):366–7 **(Chi)**

SAMPLING STUDIES

see related
HEALTH SURVEYS

Sample sizes for group sequential cohort and case–control study designs. Pasternack BS, et al. **Am J Epidemiol** 1981 Feb;113(2):182–91

An argument for the use of total side frequencies of bilateral nonmetric skeletal traits in population distance analysis: the regression of symmetry on incidence. Ossenberg NS. **Am J Phys Anthropol** 1981 Apr;54(4):471–9

Large sample formulae for the expected number of matches in a category matched design. Walter SD. **Biometrics** 1980 Jun;36(2):285–91

Sample sizes for long-term medical trial with time-dependent dropout and event rates. Wu M, et al. **Controlled Clin Trials** 1980 Sep;1(2):111–23

Describing sample data. Kaiser DL, et al. **IC Infect Control** 1980 May–Jun;1(3):185–8

Testing the differences between means. Veney JE, et al. **IC Infect Control** 1980 Jul–Aug;1(4):264–6, 268–9

Berkson's bias and its control in epidemiologic studies. Walter SD. **J Chronic Dis** 1980;33(11–12):721–5

Comparison of two subsampling methods for electron microscopic morphometry. Müller AE, et al. **J Microsc** 1981 Jul;123(Pt.1):35–49

Statistics for clinicans 4. Estimation from samples. O'Brien PC, et al. **Mayo Clin Proc** 1981 Apr;56(4):274–6

National Survey of Family Growth, Cycle II: sample design, estimation procedures, and variance estimation. Grady WR. **Vital Health Stat [2]** 1981 Feb;2(87):1–36

SAND-DOLLAR see **SEA URCHINS**

SANDFLIES

MICROBIOLOGY

The susceptibility of Lutzomyia longipalpis (Lutz and Neiva), Diptera, Psychodidae, to artificial infection with three viruses of the Phlebotomus fever group. Jennings M, et al. **Ann Trop Med Parasitol** 1980 Aug;74(4):455–62

PARASITOLOGY

Possible origins of Leishmania chagasi. Killick-Kendrick R, et al. **Ann Trop Med Parasitol** 1980 Oct;74(5):563–5

[Ecology of a focus of cutaneous leishmaniasis in the area of Thies, Senegal, West Africa. 4. Spontaneous infestation and biology of Phlebotomus duboscqi Neveu-Lemaire 1906] Dedet JP, et al. **Bull Soc Pathol Exot Filiales** 1980 May–Jun;73(3):266–76 **(Fre)**

PHYSIOLOGY

Panamanian Lutzomyia (Diptera: Psychodidae) host attraction profiles. Christensen HA, et al. **J Med Entomol** 1980 Dec 30;17(6):522–8

SANDFLY FEVER see **PAPPATACI FEVER**

SANDHOFF DISEASE

DIAGNOSIS

Sandhoff disease: a prevalent form of infantile GM2 gangliosidosis in Lebanon. Der Kaloustian VM, et al. **Am J Hum Genet** 1981 Jan;33(1):85–9

FAMILIAL & GENETIC

Segregation of Tay-Sachs and Sandhoff alleles in a non-Jewish family. Lane AB, et al. **Am J Hum Genet** 1980 Nov;32(6):920–6

Nomenclature of GM2-gangliosidoses. Nørby S. **Clin Genet** 1980 May;17(5):320–2

[Sandhoff disease or GM2 gangliosidosis, type 2. High frequency of the gene in a native population] Dodelson de Kremer R, et al. **Medicina (B Aires)** 1980 Jan–Feb; 40(1):55–73 (Eng. Abstr.) **(Spa)**

METABOLISM

Intercellular exchange of lysosomal hydrolases between mutant human fibroblasts and other cell types. Halley DJ, et al. **Exp Cell Res** 1980 Oct;129(2):383–92

PATHOLOGY

Sandhoff disease. Tatematsu M, et al. **Acta Pathol Jpn** 1981 May;31(3):503–12

Retinal and cerebellar changes in early fetal Sandhoff disease (GM2-gangliosidosis type 2). Nørby S, et al. **Metab Pediatr Ophthalmol** 1980;4(3):115–9

SANITARY ENGINEERING

REPIDISCA: a new sanitary engineering information network for Latin America. **WHO Chron** 1980 Dec; 34(12):470–6

Environmental management for vector control. Third report of the WHO Expert Committee on Vector Biology and Control. **WHO Tech Rep Ser** 1980;649:1–75

ECONOMICS

Rural water and sanitation. Community participation in appropriate water supply and sanitation technologies: the mythology for the Decade. Feachem RG. **Proc R Soc Lond [Biol]** 1980 Jul 28;209(1174):15–29

Appropriate technologies for environmental hygiene. McGarry MG. **Proc R Soc Lond [Biol]** 1980 Jul 28; 209(1174):37–46

HISTORY

The administrative units used for water supply purposes in Northern Ireland from 1828. Gould MH. **R Soc Health J** 1981 Jun;101(3):119–22

[The oldest sanitary engineering installations] Sorokina TS. **Gig Sanit** 1980 Jul;(7):41–4 **(Rus)**

INSTRUMENTATION

[Microbiological studies on waste water treatment from medical schools and hospitals. (II) Treatment of cresol with trickling tower plant (author's transl)] Sayama N. **Nippon Eiseigaku Zasshi** 1980 Oct;35(4):670–5 (Eng. Abstr.) **(Jpn)**

[Health and hygiene evaluation of the operation of mine water treatment installations] Galushko BI, et al. **Gig Sanit** 1980 Dec;(12):58–9 **(Rus)**

[Hygienic evaluation of the treatment of sewage from a swine breeding farm complex] Okladnikov NI, et al. **Gig Sanit** 1980 Dec;(12):66–7 **(Rus)**

[Hygienic evaluation of modern systems for purifying and utilizing the sewage from commercial swine breeding farm complexes] Okladnikov NI. **Gig Sanit** 1981 Apr;(4):63–5 **(Rus)**

[Effectiveness of purifying water from the transformation products of organophosphate pesticides in model water supply treatment installations] Shtannikov EV, et al. **Gig Sanit** 1980 Dec;(12):6–9 (Eng. Abstr.) **(Rus)**

METHODS

Sanitation technology options for developing countries (with special reference to Africa). Iwugo KO. **Public Health** 1981 Jul;95(4):189–206

How to apply surface water storage from a health point of view. Knoppert PL. **Sci Total Environ** 1981 Apr;18:263–84

[Membrane separation methods in water treatment. Fundamentals and technical applications (author's transl)] Rautenbach R. **Zentralbl Bakteriol [B]** 1980; 172(1–3):192–207 (Eng. Abstr.) **(Ger)**

[Work experience of a garbage-proceedings plant] Pashkina EN, et al. **Gig Sanit** 1981 Apr;(4):66–8 **(Rus)**

[Hygienic criteria for choosing the methods of decontaminating and treating domestic and industrial wastes] Sidorenko GI, et al. **Gig Sanit** 1981 Jan;(1):7–10 (Eng. Abstr.) **(Rus)**

SANITATION

Food, sanitation, and the socioeconomic determinants of child growth in Colombia. Koopman JS, et al. **Am J Public Health** 1981 Jan;71(1):31–7

Concepts in community participation: a case of sanitary change in a Guatemalan village. Tonon MA. **Int J Health Educ** 1980 Oct–Dec;23 Suppl:1–16

Sanitation and Culex pipiens mosquitoes: a brief review. Curtis CF, et al. **J Trop Med Hyg** 1981 Feb;84(1):17–25

The water and sanitation decade [editorial] Feachem R. **J Trop Med Hyg** 1981 Apr;84(2):47–8

Chemical contamination of animal feeding systems: evaluation of two caging systems and standard cage-washing equipment. Fox JG, et al. **Lab Anim Sci** 1980 Dec;30(6):967–73

[Observation of sanitary effect on a large compost outdoors in winter (author's transl)] Li MC. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1980 May;14(2):74–7 **(Chi)**

[Campaign against intestinal parasitoses: improvement of sanitary conditions of mass chemotherapy. Zaire] Jancloes M, et al. **Dakar Med** 1981;26(1):54–8 (Eng. Abstr.) **(Fre)**

[Hygienic control of indoor swimming baths (author's transl)] Grün L. **Zentralbl Bakteriol [B]** 1980;172(1–3):227–36 (Eng. Abstr.) **(Ger)**

[Practices in sanitary inspection for the planning and construction of rural populated sites] Pleskachevskaia GA. **Gig Sanit** 1981 Apr;(4):60–1 **(Rus)**

[Sanitation in disasters: the emergency camps in Guatemala City, 1976] Morataya JC, et al. **Bol Of Sanit Panam** 1981 Jan;90(1):32–8 (Eng. Abstr.) **(Spa)**

ECONOMICS

Effect of investments in water supply and sanitation on health status: a threshold-saturation theory. Shuval HI, et al. **Bull WHO** 1981;59(2):243–8

Technical and public health aspects of low cost sanitation programme planning. Mara D, et al. **J Trop Med Hyg** 1980 Dec;83(6):229–40

HISTORY

Shields Warren's exemplary sanitary survey. Bowers JZ. **Am J Forensic Med Pathol** 1980 Dec;1(4):365–6

Lavoisier and his contemporaries debate the supply of water for Paris. Abrahams HJ. **Bull NY Acad Med** 1981 Jun; 57(5):355–69

The wasteland: garbage and sanitary reform in the nineteenth-century American city. Leavitt JW. **J Hist Med Allied Sci** 1980 Oct;35(4):431–52

Stinking air, corrupt water, and the English sweat: a footnote to the quality of life in fifteenth-century London. Walton MT. **J Hist Med Allied Sci** 1981 Jan;36(1):67–8

[Water – hygienic hazards in the past today (author's transl)] Schadewaldt H. **Zentralbl Bakteriol [B]** 1980; 172(1–3):275–97 (Eng. Abstr.) **(Ger)**

METHODS

The urban mosquitoes of Suva, Fiji: seasonal incidence and evaluation of environmental sanitation and ULV spraying for their control. Goettel MS, et al. **J Trop Med Hyg** 1980 Aug;83(4):165–71

Evaluation of room cleaning procedures in a laboratory animal facility. Shields RP, et al. **Lab Anim** 1979 Jul; 13(3):253–6

[Raw water quality and water treatment (author's transl)] Schalekamp M. **Zentralbl Bakteriol [B]** 1980; 172(1–3):156–80 (Eng. Abstr.) **(Ger)**

[Hygienic aspects of the after-treatment of drinking water (author's transl)] Wehle V. **Zentralbl Bakteriol [B]** 1980; 172(1–3):181–91 (Eng. Abstr.) **(Ger)**

[Studies and trials in environmental sanitation using aerosolized iodophores] Finzi GF, et al. **Arch Sci Med (Torino)** 1980 Oct–Dec;137(4):783–94 (Eng. Abstr.) **(Ita)**

[Use of sanitary bacteriological study methods] Klimovitskaia VE, et al. **Gig Sanit** 1981 Apr;(4):65–6 **(Rus)**

STANDARDS

A challenge to developing countries: the international drinking-water supply and sanitation decade, 1981–1990. **WHO Chron** 1980 Sep;34(9):327–31

[The assessment of natural recreational waters from a bacteriological, hygienic point of view (author's transl)] Havemeister G. **Zentralbl Bakteriol [B]** 1980; 172(1–3):215–26 (Eng. Abstr.) **(Ger)**

TRENDS

[Sanitary-epidemiologic service of the USSR and ways of improving it] Kovshilo VE, et al. **Gig Sanit** 1980 Jun;(6):3–5 **(Rus)**

SANTONIN

ISOLATION & PURIFICATION

[TLC separation and densitometry of alpha-and beta-santonin in Artemisia (author's transl)] Luo SR, et al. **Yao Hsueh Hsueh Pao** 1980 Nov;15(11):693–5 (Eng. Abstr.) **(Chi)**

SAO PAULO TYPHUS see ROCKY MOUNTAIN SPOTTED FEVER

SAPHENOUS VEIN

Varicose veins. Do not do phlebography unnecessarily; preserve the great saphenous vein! Kövamees A, et al. **Acta Chir Scand [Suppl]** 1980;Suppl 500:79–80

Of saphenous vein arteriosclerosis. Burch GE. **Am Heart J** 1980 Dec;100(6 Pt 1):931

Antithrombotic therapy for saphenous vein bypass grafts. Goodnight SH Jr, et al. **Am Heart J** 1980 Oct;100(4):586–7

Calcified venous thrombosis of the lower extremities. Glanz S, et al. **Radiology** 1981 Apr;139(1):67–71

[Infusion therapy via retrograde cannulation of the saphenous vein in burn patients] Boiadzhiev Kh, et al. **Probl Khig** 1980;8:36–9 (Eng. Abstr.) **(Bul)**

[Leiomyosarcomata of veins] Laursen SO, et al. **Ugeskr Laeger** 1980 Sep 15;142(38):2484 (Eng. Abstr.) **(Dan)**

[Sclerotherapy with compression of internal and external saphenous vein junctions. Results] Cloutier G, et al. **Phlebologie** 1980 Oct-Dec;33(4):731–5 (Eng. Abstr.) **(Fre)**

[Paresthesia sequelae of the thigh after sclerosis of the internal saphenous arch] Sarteel AM, et al. **Phlebologie** 1981 Jan-Mar;34(1):69–71 (Eng. Abstr.) **(Fre)**

[Statistical, clinical and therapeutic remarks on the external saphenous vein] van der Molen HR, et al. **Phlebologie** 1980 Apr-Jun;33(2):301–6 (Eng. Abstr.) **(Fre)**

[Vascular access for hemodialysis] Zanon GF, et al. **Minerva Chir** 1980 Nov 15;35(21):1655–8 (Eng. Abstr.) **(Ita)**

ABNORMALITIES

Anomalies encountered during varicose vein surgery. Nabatoff RA. **Phlebologie** 1981 Jan-Mar;34(1):21–7 **(Eng, Fre)**

ANALYSIS

Abnormal saphenous vein composition in human hypertension. Simon G, et al. **Clin Exp Hypertens** 1981; 3(1):69–83

ANATOMY & HISTOLOGY

Preoperative localization of the greater saphenous vein: use of the portable Doppler ultrasound flow detector [letter] Samson R, et al. **Arch Surg** 1980 Nov;115(11):1402

The saphenofemoral junction. Royle JP, et al. **Surg Gynecol Obstet** 1981 Mar;152(3):282–4

Histological survey of the saphenous vein before its use as autologous aortocoronary bypass graft. Thiene G, et al. **Thorax** 1980 Jul;35(7):519–22

[The external saphenous vein. Anatomy and pathology] Cadere T. **Phlebologie** 1980 Apr-Jun;33(2):275–80 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

Droperidol, a selective antagonist of postsynaptic alpha-adrenoceptors in the canine saphenous vein. Hyatt M, et al. **Anesthesiology** 1980 Oct;53(4):281–6

Prejunctional inhibition of norepinephrine release caused by acetylcholine in the human saphenous vein. Rorie DK, et al. **Circ Res** 1981 Aug;49(2):337–41

The effect of sodium diatrizoate on the fibrinolytic activity of saphenous vein intima. Whitehouse WM Jr, et al. **J Surg Res** 1981 Apr;30(4):391–7

ENZYMOLOGY

Cathepsin D activity and protein degradation products content in the walls of varicose veins of the lower limbs. Głowiński S, et al. **Eur Surg Res** 1981;13(3):243–6

Venous macrothromboembolism in an unselected autopsy material and its relation to antiplasmin activity in the vessel wall. Eriksson M, et al. **Thromb Res** 1980 Dec 1–15; 20(5–6):555–61

METABOLISM

Uptake and metabolism of noradrenaline by blood vessels of perinephritic hypertensive dogs. Garrett J, et al. **Blood Vessels** 1981;18(3):100–9

PATHOLOGY

Apolipoprotein B (Apo B) in vein graft atherosclerosis. An immunoperoxidase study. Barboriak JJ, et al. **Atherosclerosis** 1980 Nov;37(3):403–7

Rapidly progressive coronary artery bypass graft atherosclerosis. Report of a case documented by serial coronary arteriograms and pathologic examination. Hanlon JT, et al. **Chest** 1981 Jan;79(1):96–9

[Sclerosis of the external saphenous vein and compartment syndrome] Coget JM, et al. **Phlebologie** 1980 Apr-Jun; 33(2):293–6 (Eng. Abstr.) **(Fre)**

[Incompetence of the external saphenous vein with progressive repercussions on the internal saphenous vein. Cure by stripping of the external saphenous vein alone] Gandouet J, et al. **Phlebologie** 1980 Apr-Jun;33(2):329–32 (Eng. Abstr.) **(Fre)**

[Sclerosis of the arch] Lindemayr H, et al. **Phlebologie** 1980 Apr-Jun;33(2):371–5 **(Fre)**

[Importance of the external saphenous vein in pathology] Thiery L. **Phlebologie** 1980 Apr-Jun;33(2):271–4 (Eng. Abstr.) **(Fre)**

[Varices of the external saphenous vein] Trezzi M, et al. **Phlebologie** 1980 Apr-Jun;33(2):287–91 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

[The external saphenous vein and the Doppler effect] Lemaire R, et al. **Phlebologie** 1980 Oct-Dec;33(4):737–43 (Eng. Abstr.) **(Fre)**

PHYSIOPATHOLOGY

Non-invasive quantitative measurement of regurgitation in insufficiency of the superior saphenous vein by Doppler-ultrasound: a comparison with clinical examination and phlebography. Wuppermann T, et al. **Vasa** 1981;10(1):24–7

RADIOGRAPHY

Peroperative venography to ensure accurate sapheno-popliteal vein ligation. Hobbs JT. **Br Med J** 1980 Jun 28;280(6231):1578–9

[Selective external vein phlebography] Van der Stricht J, et al. **Phlebologie** 1980 Apr-Jun;33(2):281–5 (Eng. Abstr.) **(Fre)**

SURGERY

Proximal saphenous vein cutdown. Dronen SC, et al. **Ann Emerg Med** 1981 Jun;10(6):328–30

Long saphenous vein stripping under local anaesthesia [letter] Charlton JE. **Ann R Coll Surg Engl** 1981 Sep;63(5):363–4

Long saphenous vein stripping under local anaesthesia. Taylor EW, et al. **Ann R Coll Surg Engl** 1981 May; 63(3):206–7

Modified technique to produce valvular incompetence in in situ saphenous vein arterial bypass. Shah DM, et al. **Arch Surg** 1981 Mar;116(3):356–8

To strip or not to strip the long saphenous vein? A varicose veins trial. Munn SR, et al. **Br J Surg** 1981 Jun;68(6):426–8

The great saphenous vein cutdown technique. Bernbom ET, et al. **J Foot Surg** 1980 Fall;19(3):155–8

Resident research award. Comparison of patency rate and structural changes of in situ and reversed vein arterial bypass. Buchbinder D, et al. **J Surg Res** 1981 Mar; 30(3):213–22

Clip stenosis--a hazard of incorrectly prepared saphenous vein bypass grafts to coronary arteries. Pyle R, et al. **ROEFO** 1980 Jun;132(6):641–3

[Should external saphenectomy be routine or eclectic? Results of two series compared] Davy A, et al. **Phlebologie** 1980 Apr-Jun;33(2):313–9 (Eng. Abstr.) **(Fre)**

[Long-term results of Palma's operation] May R. **Phlebologie** 1980 Apr-Jun;33(2):367–70 **(Fre)**

[Role of the external saphenous vein in repeat surgery of primary varicose veins of the lower limbs] Perrin M, et al. **Phlebologie** 1980 Apr-Jun;33(2):321–7 (Eng. Abstr.) **(Fre)**

[External saphenectomy. Postero-lateral approach to the arch] Van der Stricht J, et al. **Phlebologie** 1980 Apr-Jun; 33(2):297–300 (Eng. Abstr.) **(Fre)**

[Sensation disorders following saphenous vein excision] Aigner R, et al. **MMW** 1980 Sep 19;122(38):1305–7 **(Ger)**

[Various viewpoints on varicose surgery 1980] Brunner UV. **ZFA (Stuttgart)** 1981 Jan 20;57(2):67–72 **(Ger)**

[Effect of elastic bandage on the length of stripped collateral vessels of the saphenous vein during operations for varicose veins] Jaworski R, et al. **Wiad Lek** 1980 Aug 1; 33(15):1213–5 (Eng. Abstr.) **(Pol)**

[Lymphovenostomy in lymphedema of the lower extremities] Lokhvitskii SV, et al. **Khirurgiia (Mosk)** 1980 Aug;(8):50–3 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

Structure of functioning saphenous venous grafts. Répássy G, et al. **Acta Chir Acad Sci Hung** 1979;20(2–3):131–40

Superior vena caval syndrome ater Mustard repair: surgical decompression using a saphenous vein homograft. Danilowicz D, et al. **Am Heart J** 1981 Jun;101(6):862–3

Evaluation of the effects of systemic nitroglycerin on perfusion of ischemic myocardium in coronary heart disease assessed intraoperatively by antegrade blood flow through intact saphenous vein bypass grafts. Klein RC, et al. **Am Heart J** 1981 Mar;101(3):292–9

Long-term results of saphenous vein graft arteriovenous fistulas. May J, et al. **Am J Surg** 1980 Sep;140(3):387–90

Vein graft stenosis. Characteristics and effect of treatment. Sladen JG, et al. **Am J Surg** 1981 May;141(5):549–53

Glutaraldehyde pre-treated human saphenous and umbilical veins as xenogeneic small vessel substitutes and shunts in dogs. Harjula A. **Ann Chir Gynaecol** 1981;70(1):11–7

Morphological study of flow surface of glutaraldehyde pre-treated vascular substitutes. Harjula A, et al. **Ann Chir Gynaecol** 1980;69(4):144–50

In-situ vein bypass: a modified technique. Galland RB, et al. **Ann R Coll Surg Engl** 1981 May;63(3):186–8

Surgical correction of posttransplant renovascular hypertension. Dickerman RM, et al. **Ann Surg** 1980 Nov; 192(5):639–44

Aortocoronary bypass with homologous saphenous vein: long-term results. Bical O, et al. **Ann Thorac Surg** 1980 Dec;30(6):550–7

Internal mammary artery-saphenous vein composite conduit: an alternative for the proximal coronary anastomosis. Brodman R, et al. **Ann Thorac Surg** 1981 Apr;31(4):370–2

Further evaluation of the circular sequential vein graft technique of coronary artery bypass. Cleveland JC, et al. **Ann Thorac Surg** 1980 Oct;30(4):336–41

Femorotibial bypass grafts with sequential technique. Clinical results. Jarrett F, et al. **Arch Surg** 1981 May;116(5):709–14

Femoral incision for arterial bypass [letter] Singer A. **Arch Surg** 1981 May;116(5):729

Dacron vs vein for femoropopliteal arterial bypass. Should the saphenous vein be spared? Yashar JJ, et al. **Arch Surg** 1981 Aug;116(8):1037–40

Femoropopliteal vein grafts for intermittent claudication. King RB, et al. **Br J Surg** 1980 Jul;67(7):489–92

Veno-venous internal saphenous crossover graft for phlegmasia caerulea dolens. McNeill AD, et al. **Br J Surg** 1980 Dec;67(12):877–8

Factors determining outcome of reversed saphenous vein femoropopliteal bypass grafts. Sonnenfeld T, et al. **Br J Surg** 1980 Sep;67(9):642–8

Sudden occlusion of a saphenous vein bypass graft relieved by direct injection of nitroglycerin. Baduini G, et al. **Cathet Cardiovasc Diagn** 1981;7(1):87–95

Percutaneous transluminal dilation of aortocoronary saphenous vein bypass grafts. Ford WB, et al. **Chest** 1981 May;79(5):529–35

Early vascular grafting to prevent upper extremity necrosis after electrical burns. Wang XW, et al. **Chin Med J [Engl]** 1981 Mar;94(3):185–94

The effects of crystalloid potassium cardioplegic solution on arterialized canine vein grafts. Assessment of chronic prostacyclin production and histopathologic alterations. Hoover EL, et al. **Circulation** 1981 Aug;64(2 Pt 2):96–100

Aortorenal vein graft stenosis causing recurrent hypertension; repair with a temporary shunt. Anton GE, et al. **Cleve Clin Q** 1980 Winter;47(4):321–6

Aorta-saphenous vein anastomoses markers [letter] Smaha LA. **Clin Cardiol** 1979 Oct;2(5):375–6

Non-reversed saphenous vein grafting: an improved technique or aortocoronary bypass surgery. Takeuchi Y, et al. **J Cardiovasc Surg (Torino)** 1981 Mar-Apr;22(2):174–8

Approaches to revascularization of the ischemic foot. Richardson JD, et al. **J Ky Med Assoc** 1981 Jan;79(1):31–6

Subclavian to middle cerebral artery saphenous vein bypass graft. Spetzler RF, et al. **J Neurosurg** 1980 Oct;53(4):465–9

Leg wound complications associated with coronary revascularization. DeLaria GA, et al. **J Thorac Cardiovasc Surg** 1981 Mar;81(3):403–7

Clinical comparison between patients with saphenous vein and internal mammary artery as a coronary graft. Jones JW, et al. **J Thorac Cardiovasc Surg** 1980 Sep;80(3):334–41

Bypass grafts to the left anterior descending coronary artery: saphenous vein versus internal mammary artery. Tyras DH, et al. **J Thorac Cardiovasc Surg** 1980 Sep;80(3):327–33

Recanalization of a saphenous vein interposition venous graft. Blumoff RL, et al. **J Trauma** 1981 May;21(5):407–8

Early and late patency of aortocoronary vein grafts. Björk VO, et al. **Scand J Thorac Cardiovasc Surg** 1981;15(1):11–21

The advantages of the great saphenous vein as a femoropopliteal graft. A report on its clinical use. Sonnenfeld T, et al. **Scand J Thorac Cardiovasc Surg** 1980; 14(3):285–90

Newer prosthetic material compared with autogenous saphenous vein for occlusive arterial disease of the lower extremity. Cranley JJ, et al. **Surgery** 1981 Jan;89(1):2–7

Sequential femoral-tibial bypass for severe limb ischemia. Flinn WR, et al. **Surgery** 1980 Sep;88(3):357–65

Medium-term follow-up of forty autogenous vein and forty polytetrafluoroethylene (Gore-Tex) grafts for vascular access. Jenkins AM, et al. **Surgery** 1980 Nov;88(5):667–72

Comparison of conduits for leg revascularization. Weisel RD, et al. **Surgery** 1981 Jan;89(1):8–15

Anomalous origin of the left coronary artery from the pulmonary artery-definitive treatment by ostial occlusion through pulmonary arteriotomy and aorto-left coronary saphenous vein bypass. Lin YM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1980 Aug;79(8):722–30

Morphologic studies in saphenous vein grafts for aorto-coronary bypass surgery. Part II: Influence of a pressure-limited graft dilation. Hasse J, et al. **Thorac Cardiovasc Surg** 1981 Feb;29(1):38–40

Morphologic studies in saphenous vein grafts for

aorto-coronary bypass surgery. Part I: Morphology of the Graft using ordinary surgical preparation techniques. Hofer H, et al. **Thorac Cardiovasc Surg** 1981 Feb;29(1):32–7
[Observations on long term effect of autogenous venous grafts: report of 4 cases (author's transl)] Li X. **Chung Hua Wai Ko Tsa Chih** 1979;17(6):487–8 **(Chi)**
[Arteriovenous fistulae for hemodialysis using vein allotransplants] Kestlerová M, et al. **Rozhl Chir** 1981 May; 60(5):313–8 (Eng. Abstr.) **(Cze)**
[Late results of 336 femorotibial bypasses (author's transl)] Raithel D, et al. **Langenbecks Arch Chir** 1980;353(2):97–103 (Eng. Abstr.) **(Ger)**
[Homologous umbilical vein and vena saphena transplants as possible means of vascular access in chronic hemodialysis] Precht K, et al. **Z Urol Nephrol** 1981 Jun; 74(6):447–53 (Eng. Abstr.) **(Ger)**
[Vein-bypass or endarterectomy in femoropopliteal reconstruction (author's transl)] Schuster R, et al. **Zentralbl Chir** 1980;105(18):1206–10 (Eng. Abstr.) **(Ger)**
[Value of discriminating analysis for evaluation of the prognosis of direct vascular surgery] Cariati E, et al. **Minerva Chir** 1980 Jun 30;35(12):905–12 **(Ita)**

ULTRASTRUCTURE

Scanning electron microscopy of an elastic fiber network which forms the internal elastic lamina in canine saphenous vein. Crissman RS, et al. **Anat Rec** 1980 Dec;198(4):581–93
Use of cold cardioplegic solution for vein graft distention and preservation: a light and scanning electron microscopic study. Kurusz M, et al. **Ann Thorac Surg** 1981 Jul; 32(1):68–74
Ultrastructural changes in blood vessels of perinephritic hypertensive dogs. Azevedo I, et al. **Blood Vessels** 1981; 18(3):110–9
Optimal preparation techniques for human saphenous vein grafts. Gundry SR, et al. **Surgery** 1980 Dec;88(6):785–94

SAPOGENINS

ANALYSIS

Histochemical studies of Costus speciosus Sim. growing in Darjeeling hills in relation to diosgenin content. Panda PK, et al. **Indian J Exp Biol** 1980 Aug;18(8):920–2
American ginseng. II. Analysis of ginsenosides and their sapogenins in biological fluids. Chen SE, et al. **J Nat Prod** 1980 Jul–Aug;43(4):463–6
Configurational assignments to spirostan-3-ols by mass spectrometry. Blunden G, et al. **Steroids** 1980 Sep; 36(3):299–303
Lantadene A content and toxicity of the lantana plant (Lantana camara, Linn.) to guinea pigs. Sharma OP, et al. **Toxicon** 1980;18(4):485–8
[Studies on the method of the analysis of sapogenin. III. Coulometric titration of diosgenin (author's transl)] Xu LX, et al. **Yao Hsueh Hsueh Pao** 1981 Jan;16(1):39–44 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

Effects of saikosaponins on the metabolic actions of adrenaline, ACTH and insulin on the fat cells. Kimura Y, et al. **Chem Pharm Bull (Tokyo)** 1980 Jun;28(6):1788–94
Anti-inflammatory activities of hederagenin and crude saponin isolated from Sapindus mukorossi Gaertn. Takagi K, et al. **Chem Pharm Bull (Tokyo)** 1980;28(4):1183–8
Analgesic and other pharmacologic actions of saiko-saponin in repeated cold stressed (SART stressed) animals. Kita T, et al. **J Pharmacobiodyn** 1980 Jun;3(6):269–80
Erythrocyte membrane stabilization by plant saponins and sapogenins. Abe H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Jun; 316(3):262–5
Pharmacological actions of saikosaponins isolated from Bupleurum falcatum. 1. Effects of saikosaponins on liver function. Abe H, et al. **Planta Med** 1980 Dec;40(4):366–72
[Effect of vitamin E and protein quality on the hemolytic effect of Trigonella sapogenins in rats] Elmadfa I, et al. **Z Ernaehrungswiss** 1980 Dec;19(4):280–9 (Eng. Abstr.) **(Ger)**

TOXICITY

Fragility of erythrocytes in animals affected by lantana poisoning. Sharma OP, et al. **Clin Toxicol** 1981 Jan; 18(1):25–35

SAPONINS

ADMINISTRATION & DOSAGE

Immunogenicity studies of foot and mouth disease vaccines at different concentrations of antigen and saponin. Sólyom F, et al. **Ann Rech Vet** 1980;11(1):35–44

ANALYSIS

Isolation and characterization of ginsenoside-Rg2, 20R-prosapogenin, 20S-prosapogenin and delta 20-prosapogenin. Chemical studies on saponins of Panax ginseng C. A. Meyer, Third report. Kaku T, et al. **Arzneimittelforsch** 1980;30(6):936–43
American ginseng. II. Analysis of ginsenosides and their sapogenins in biological fluids. Chen SE, et al. **J Nat Prod** 1980 Jul–Aug;43(4):463–6
Protein quality of high and low saponin alfalfa protein concentrate. Hegsted M, et al. **J Sci Food Agric** 1980 Aug; 31(8):777–81
HPLC separation and quantitative determination of ginsenosides from Panax ginseng, Panax quinquefolium and from ginseng drug preparations. 2nd communication. Soldati F, et al. **Planta Med** 1980 Aug;39(4):348–57

DIAGNOSTIC USE

[Improvement in the quality of 19-iodocholesterol-131I scintigraphy by using polysponin] Slavnov VN, et al. **Med Radiol (Mosk)** 1980 Sep;25(9):14–8 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Saponin and other haemolysins (vitamin A, aliphatic amines, polyene antibiotics) as adjuvants for SRBC in the mouse. Evidence for a role for cholesterol-binding in saponin adjuvanticity. Bomford R. **Int Arch Allergy Appl Immunol** 1980;63(2):170–7

ISOLATION & PURIFICATION

Two-dimensional TLC analysis of ginsenosides from root of dwarf ginseng (Panax trifolius L.) Araliaceae. Lee TM, et al. **J Pharm Sci** 1981 Jan;70(1):89–91
[Structure of chrysantellin B, a new saponin isolated from Chrysanthellum procumbens Rich (author's transl)] Becchi M, et al. **Eur J Biochem** 1980;108(1):271–7 (Eng. Abstr.) **(Fre)**

METABOLISM

American ginseng. III. Pharmacokinetics of ginsenosides in the rabbit. Chen SE, et al. **Eur J Drug Metab Pharmacokinet** 1980;5(3):161–8

PHARMACODYNAMICS

Effects of ginsenoside Rg1 of Panax ginseng on mitosis in human blood lymphocytes in vitro. Tong LS, et al. **Am J Chin Med** 1980 Autumn;8(3):254–67
Effects of soy protein and saponins on serum and liver cholesterol in rats [letter] Pathirana C, et al. **Atherosclerosis** 1980 Aug;36(4):595–6
The effects of low dietary concentrations of saponin on liver lipid accumulation and performance in laying hens. Whitehead CC, et al. **Br Poult Sci** 1981 May;22(3):281–8
Anti-inflammatory activities of hederagenin and crude saponin isolated from Sapindus mukorossi Gaertn. Takagi K, et al. **Chem Pharm Bull (Tokyo)** 1980;28(4):1183–8
The effect of extracts from Radix saponariae on Paramecium primaurelia and Lepidium sativum L. Oświecimska M, et al. **Folia Biol (Krakow)** 1980;28(2):163–9
Cholesterol and bile acid balance in Macaca fascicularis. Effects of alfalfa saponins. Malinow MR, et al. **J Clin Invest** 1981 Jan;67(1):156–62
Specific perforation of muscle cell membranes with preserved SR functions by saponin treatment. Endo M, et al. **J Muscle Res Cell Motil** 1980 Mar;1(1):89–100
Time-dependent inhibition of sucrose sweetness with gymnemic acid: mode of action. Ray A, et al. **Life Sci** 1981 Jun 15;28(24):2773–81
Erythrocyte membrane stabilization by plant saponins and sapogenins. Abe H, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Jun; 316(3):262–5
Hemolytic action and surface activity of triterpene saponins from Anchusa officinalis L. Part 21: On the costituents of Boraginaceae. Romussi G, et al. **Pharmazie** 1980 Aug; 35(8):498–9
Effects of ginseng saponins on the actions of adrenaline, ACTH and insulin on lipolysis and lipogenesis in adipose tissue. Ohminami H, et al. **Planta Med** 1981 Apr;41(4):351–8
[Effect of a standardized ginseng extract on general well-being, reaction time, lung function and gonadal hormones] Forgo I, et al. **Med Welt** 1981 May 8; 32(19):751–6 **(Ger)**
[Absence of a sebum-stimulating effect of a shampoo based on saponins from Panama bark--Study in the hamster] Andermann G, et al. **Pharm Acta Helv** 1981;56(7):194–7 (Eng. Abstr.) **(Ger)**
[On the inhibitory activity of Polemonium saponin against fungi (author's transl)] Hiller K, et al. **Pharmazie** 1981; 36(2):133–4 (Eng. Abstr.) **(Ger)**
[Effect of tannin, saponin and guanidine on the replication of Echovirus 9 and its mutants] Jabłoński L, et al. **Med Dosw Mikrobiol** 1980;32(2):121–5 (Eng. Abstr.) **(Pol)**

THERAPEUTIC USE

Alfalfa saponins and alfalfa seeds. Dietary effects in cholesterol-fed rabbits. Malinow MR, et al. **Atherosclerosis** 1980 Nov;37(3):433–8
A trial of the effects of soya-bean flour and soya-bean saponins on plasma lipids, faecal bile acids and neutral sterols in hypercholesterolaemic men. Calvert GD, et al. **Br J Nutr** 1981 Mar;45(2):277–81
[Trial of a phlebotonic agent, a protector of the microcirculation, containing large quantities of active principles, in the treatment of hemorrhage in obstetrics] Vankemmel P, et al. **Lille Med** 1981 Jan-Feb;26(1–2):60–2 **(Fre)**
[Treatment of injuries in top-class athletes. The place of venex-gel (author's transl)] Comte P. **Praxis** 1981 Mar 31; 70(14):612–7 **(Fre)**
[Value of the preparation reparil in orthopedic surgery and traumatology] Zarzycki D, et al. **Chir Narzadow Ruchu Ortop Pol** 1980;45(4):379–81 (Eng. Abstr.) **(Pol)**
[Comparative evaluation of the hypolipidemic effect of cetamiphen, polysponin and miscleron in middle-aged and elderly patients with hypertension] Chialo PP, et al. **Vrach Delo** 1980 Nov;(11):52–3 (Eng. Abstr.) **(Rus)**

SARALASIN see under **ANGIOTENSIN II**

SARCINA

GROWTH & DEVELOPMENT

The effect of temperature on the growth and lipid composition of the extremely halophilic coccus, Sarcina marina. Hunter MI, et al. **Antonie Van Leeuwenhoek** 1981 Mar;47(1):25–40

SARCOCYSTIS see **SARCOSPORIDIA**

SARCODINA

GROWTH & DEVELOPMENT

Growth of Naegleria fowleri in several axenic media. Haight JB, et al. **Folia Parasitol (Praha)** 1980;27(3):207–12

ISOLATION & PURIFICATION

Naegleria fowleri from a canal draining cooling water from a factory. Cerva L, et al. **Folia Parasitol (Praha)** 1980; 27(2):103–7

ULTRASTRUCTURE

Ultrastructure of Naegleria fowleri enflagellation. Patterson M, et al. **J Bacteriol** 1981 Jul;147(1):217–26
Isolation, ultrastructure, and protein composition of the flagellar rootlet of Naegleria gruberi. Larson DE, et al. **J Cell Biol** 1981 Jun;89(3):424–32
On the organization and classification of the protozoon, Actinophrys sol Ehrenberg, 1830. Patterson DJ. **Microbios** 1979;26(105–106):165–207

SARCOIDOSIS

[A report of 18 cases of sarcoidosis (author's transl)] **Chung Hua Nei Ko Tsa Chih** 1979;18(1):40–3 **(Chi)**
[A case of medullary localization of sarcoidosis] Millefiorini M, et al. **Riv Neurol** 1980 Mar–Apr;50(2):98–105 **(Ita)**
[Sarcoidosis] Carlens E, et al. **Lakartidningen** 1980 Oct 29; 77(44):4001–9 (Eng. Abstr.) **(Swe)**

BLOOD

Nodular endobronchial sarcoidosis: a study comparing blood and lung lymphocytes. Rossman MD, et al. **Chest** 1981 Apr;79(4):427–31
Serum angiotensin-converting enzyme activity in normal children and in those with sarcoidosis. Rodriguez GE, et al. **J Pediatr** 1981 Jul;99(1):68–72
Defective yeast opsonisation of serum in sarcoidosis. Johnson NM, et al. **Thorax** 1980 Apr;35(4):282–5
[CO2-production of circulating lymphocytes in the presence of a sarcoidosis extract in patients with sarcoidosis (author's transl)] Schweiger O, et al. **Z Erkr Atmungsorgane** 1980; 155(1):128–32 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Extensive abdominal lymphadenopathy in sarcoidosis. Miller LK, et al. **Am J Gastroenterol** 1981 May;75(5):367–9
Gastric sarcoid: unusual cause of upper gastrointestinal hemorrhage. Ona FV. **Am J Gastroenterol** 1981 Apr; 75(4):286–8
Sarcoidosis with neovascularization of the optic nerve head. Doxanas MT, et al. **Am J Ophthalmol** 1980 Sep; 90(3):347–51
Necrotizing sarcoid granulomatosis with extrapulmonary involvement. Clinical, pathologic, ultrastructural, and immunologic features. Singh N, et al. **Am Rev Respir Dis** 1981 Aug;124(2):189–92
Retrobulbar optic neuropathy in sarcoidosis. Rush JA. **Ann Ophthalmol** 1980 Apr;12(4):390–4
Sarcoidosis and fluctuating hearing loss. Jahrsdoerfer RA, et al. **Ann Otol Rhinol Laryngol** 1981 Mar–Apr;90(2 Pt 1):161–3
Chronic sarcoid synovitis in the Caucasian: an arthroscopic and histological study. Scott DG, et al. **Ann Rheum Dis** 1981 Apr;40(2):121–3
Cutaneous sarcoidal granulomas and the development of systemic sarcoidosis. Hanno R, et al. **Arch Dermatol** 1981 Apr;117(4):203–7
Renal manifestations of sarcoidosis. Muther RS, et al. **Arch Intern Med** 1981 Apr;141(5):643–5
Parathyroid adenoma with coexistent sarcoid granulomas. A hypercalcemic patient. Robinson RG, et al. **Arch Intern Med** 1980 Nov;140(11):1547–8
'Sarcoidosis' and sarcoid-like lesions. Their occurrence after

cytotoxic and radiation therapy of testis cancer. Trump DL, et al. **Arch Intern Med** 1981 Jan;141(1):37–8

Sarcoidosis and ocular disease in a young child. A case report and review of the literature. Cohen KL, et al. **Arch Ophthalmol** 1981 Mar;99(3):422–4

Peripapillary subretinal neovascularization in presumed sarcoidosis. Gragoudas ES, et al. **Arch Ophthalmol** 1981 Jul;99(7):1194–7

Glomerulonephritis in a patient with sarcoidosis. Report of a case and review of the literature. Goldszer RC, et al. **Arch Pathol Lab Med** 1981 Sep;105(9):478–81

Unusual presentations of pleural sarcoidosis. Kanada DJ, et al. **Br J Dis Chest** 1980 Apr;74(2):203–5

Hoarseness as an initial manifestation of sarcoidosis. Chijimatsu Y, et al. **Chest** 1980 Nov;78(5):779–81

Major pulmonary artery stenosis causing pulmonary hypertension in sarcoidosis. Damuth TE, et al. **Chest** 1980 Dec;78(6):888–91

Granulomatous sarcoid nephritis: a cause of multiple renal tubular abnormalities. Muther RS, et al. **Clin Nephrol** 1980 Oct;14(4):190–7

Progressive myelopathy due to sarcoid. Caroscio JT, et al. **Clin Neurol Neurosurg** 1980;82(4):217–22

Intracranial sarcoidosis. Postoperative cranial nerve involvement. Luyendijk W, et al. **Clin Neurol Neurosurg** 1980;82(4):223–7

Ulcerative colitis and sarcoidosis: a curious association–report of a case. Theodoropoulos G, et al. **Dis Colon Rectum** 1981 May–Jun;24(4):308–10

Sarcoidosis associated with autoimmune haemolytic anaemia and paroxysmal nocturnal haemoglobinuria red cell abnormality. Hernández P, et al. **Haematologia (Budap)** 1981;14(1):39–48

Superior vena cava syndrome as the initial clinical manifestation of sarcoidosis. Brandstetter RD, et al. **Heart Lung** 1981 Jan–Feb;10(1):101–4

Prolonged lobar atelectasis in sarcoidosis. Stinson JM, et al. **J Natl Med Assoc** 1981;73(7):669–71

Necrotizing sarcoid granulomatosis with neurologic lesions in a child. Beach RC, et al. **J Pediatr** 1980 Dec;97(6):950–3

Sarcoidosis presenting as cutaneous ulceration, subcutaneous nodules and chronic arthritis. Boyd RE, et al. **J Rheumatol** 1981 Mar–Apr;8(2):311–6

Sarcoidosis presenting as subacute polydactylitis [letter] Lovy MR, et al. **J Rheumatol** 1981 Mar–Apr;8(2):350–2

Mycosis fungoides associated with florid sarcoid reactions. Schwartz RA, et al. **J Surg Oncol** 1980;14(4):347–57

Painful clubbing and sarcoidosis. West SG, et al. **JAMA** 1981 Sep 18;246(12):1338–9

Histiocytic lymphoma following resolution of sarcoidosis. Foon KA, et al. **Med Pediatr Oncol** 1981;9(4):325–31

Sarcoid myopathy with typical rash of dermatomyositis. Itoh J, et al. **Neurology (NY)** 1980 Oct;30(10):1118–21

Sarcoidosis associated with disseminated intravascular coagulation (DIC) and diabetes inspidus (DI).—The first report of sarcoidosis complicated with DIC in Japan. Ishizaki T, et al. **Nippon Ketsueki Gakkai Zasshi** 1980 Feb; 43(1):145–52

Sarcoidosis as a cause of transverse myelitis: case report. Baum J, et al. **Paraplegia** 1981;19(3):167–9

Sarcoidosis associated with combined immunodeficiency. Crofts MJ, et al. **Postgrad Med J** 1980 Apr;56(654):263–5

Sarcoidosis presenting with pleurisy and bilateral pleural effusions. Johnson NM, et al. **Postgrad Med J** 1980 Apr; 56(654):266–7

Sarcoidosis and chronic sensory neuropathy. Payne CR, et al. **Postgrad Med J** 1980 Nov;56(661):781–2

Renal manifestations and abnormal calcium metabolism in sarcoidosis. Rømer FK. **Q J Med** 1980;49(195):233–47

Thrombocytopenia and pulmonary hemorrhage in sarcoidosis. Weitberg AB, et al. **South Med J** 1981 Feb; 74(2):253–4

Sarcoid heart disease: a review and an appeal [editorial] Fleming HA. **Thorax** 1980 Sep;35(9):641–3

Superior vena caval obstruction caused by sarcoidosis. Morgans WE, et al. **Thorax** 1980 May;35(5):397–8

Sarcoid pleural effusion: three cases and review of the literature. Nicholls AJ, et al. **Thorax** 1980 Apr;35(4):277–81

Hodgkin's disease associated with sarcoidosis: case report. Ponticelli P, et al. **Tumori** 1981 Feb 28;67(1):45–51

Granulomas in sarcoidosis and chronic beryllium disease. Williams WJ. **Verh Dtsch Ges Pathol** 1980;64:177–80 (15 ref.)

[Immunoblastic abdominal lymphoma and sarcoidosis] Krč I, et al. **Vnitr Lek** 1980 Oct;26(10):969–73 (Eng. Abstr.) **(Cze)**

[Cerebral sarcoidosis and acute acquired toxoplasmosis in the same patient] Konstantin-Hansen KK, et al. **Ugeskr Laeger** 1981 Feb 2;143(6):344–5 (Eng. Abstr.) **(Dan)**

[Facial linear scleroderma and sarcoidosis with hypothalamic, mediastinal and hepatic localizations] Chouvet B, et al. **Ann Dermatol Venereol** 1981;108(2):165–8 **(Fre)**

[Sarcoidosis and portal and pulmonary arterial hypertension: a case report (author's transl)] Cornet A, et al. **Ann Med Interne (Paris)** 1980;131(7):431–4 (Eng. Abstr.) **(Fre)**

[Reactions and psychic disorders in Besnier-Boeck-Schaumann disease. Clinical and psychological approach; application of a scale of aggressive behavior to the mental profile] Escande M, et al. **Ann Med Psychol (Paris)** 1980 Jul–Sep;138(7):813–28 (Eng. Abstr.) **(Fre)**

[Bone lesions in sarcoidosis. Apropos of a case] Maaouni A, et al. **Maroc Med** 1980 Mar;2(1):109–11 (Eng. Abstr.) **(Fre)**

[Osseous manifestations of sarcoidosis. A study of the literature] Maouni A. **Maroc Med** 1980 Mar;2(1):7–17 (Eng. Abstr.) **(Fre)**

[Sarcoid nodules of the skin at the site of venipuncture (author's transl)] Choffel C, et al. **Nouv Presse Med** 1981 Feb 28;10(9):697–9 (Eng. Abstr.) **(Fre)**

[Association of a goiter with sarcoidosis. 4 cases (letter)] Heim J, et al. **Nouv Presse Med** 1981 Apr 18;10(17):1421 **(Fre)**

[Evidence of junctional complexes between cells of monocytic origin in sarcoid granulomas (author's transl)] Beaumont D, et al. **Pathol Biol (Paris)** 1981 Apr; 29(4):229–32 (Eng. Abstr.) **(Fre)**

Pneumothorax in sarcoidosis (author's transl)] Babany G, et al. **Poumon Coeur** 1980;36(6):397–401 (Eng. Abstr.) **(Fre)**

[Sarcoïdosis and angioimmunoblastic lymphadenopathy with secondary immunoblastic sarcoma (author's transl)] Turpin F, et al. **Sem Hop Paris** 1980 Nov 18–25;56(43–44):1775–8 (Eng. Abstr.) **(Fre)**

[Unusual molluscum contagiosum infection in sarcoidosis] Simon M Jr, et al. **Hautarzt** 1980 Jun;31(6):341–3 (Eng. Abstr.) **(Ger)**

[Retroperitoneal fibrosis in Boeck's disease] Stegemann B, et al. **Med Welt** 1980 Jul 4;31(27):1026–8 **(Ger)**

[Meningitis in generalized sarcoidosis (author's transl)] Kiech H. **Wien Med Wochenschr** 1981 Jan 15;131(1):26–30 (Eng. Abstr.) **(Ger)**

[A case of sarcoidosis with diabetes insipidus and lactation treated with prednisolone (author's transl)] Iijima F, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Jul;18(7):458–63 (Eng. Abstr.) **(Jpn)**

[A case of CNS sarcoidosis –case report of hydrocephalus due to mechanical obstruction secondary to sarcoid granulomata at the outlet of the fourth ventricle (author's transl)] Oie K, et al. **No Shinkei Geka** 1981 Jan;9(1):75–8 (Eng. Abstr.) **(Jpn)**

[Sarcoid myopathy] Coca-Payeras A, et al. **Rev Clin Esp** 1980 Dec 31;159(6):383–7 (80 ref.) **(Spa)**

[Acute myositis as the initial manifestation of sarcoidosis] Coca-Payeras A, et al. **Rev Clin Esp** 1980 Dec 31; 159(6):417–20 **(Spa)**

[Peritoneal sarcoidosis] Santolaria Fernández F, et al. **Rev Clin Esp** 1981 Jan 15;160(1):63–4 **(Spa)**

[Hypercalcemia in sarcoidosis] Velasco Domínguez E, et al. **Rev Clin Esp** 1981 Jan 31;160(2):69–72 (79 ref.) **(Spa)**

DIAGNOSIS

Flexible fiberoptic bronchoscopy in sarcoidosis. Stjernberg N, et al. **Acta Med Scand** 1980;208(5):397–9

Immunohistologic diagnosis of sarcoidosis. Detection of angiotensin-converting enzyme in sarcoid granulomas. Pertschuk LP, et al. **Am J Clin Pathol** 1981 Mar;75(3):350–4

Sarcoidosis of the stomach and rectum. Konda J, et al. **Am J Gastroenterol** 1980 Jun;73(6):516–8

Noncaseating granulomas of the pancreas. Probable sarcoidosis. Maher L, et al. **Am J Gastroenterol** 1981 Mar; 75(3):222–5

Lacrimal gland uptake of gallium citrate Ga 67. Weinreb RN, et al. **Am J Ophthalmol** 1981 Jul;92(1):16–20

Manifestations and treatment of laryngeal sarcoidosis. Bower JS, et al. **Am Rev Respir Dis** 1980 Aug;122(2):325–32

Sarcoidosis of anterior mediastinal nodes, pancreas, and uterine cervix: three unusual sites in the same patient. Tsou E, et al. **Am Rev Respir Dis** 1980 Aug;122(2):333–8

Sarcoidosis and beryllium disease [letter] Cone JE. **Ann Intern Med** 1981 Jun;94(6):822

Ocular sarcoidosis. Perkins ES. **Arch Ophthalmol** 1981 Jul; 99(7):1193

Sarcoid heart disease [letter] Fleming HA. **Br Heart J** 1980 Mar;43(3):366

Oldest case of sarcoidosis in the world [letter] **Br Med J [Clin Res]** 1981 Aug 15;283(6289):502–3

Oldest case of sarcoidosis in the world. Brown IG, et al. **Br Med J [Clin Res]** 1981 Jul 18;283(6285):190

Giant-cell arteritis mimicking carcinoma of the breast [letter] MacGregor G. **Br Med J [Clin Res]** 1981 Jul 18; 283(6285):236

Angiotensin-converting enzyme and pulmonary sarcoidosis. Lieberman J. **Compr Ther** 1981 Jun;7(6):28–33

Bone changes in sarcoidosis. Association of tuberculosis and extensive phalangeal cystic lesions as an early manifestation of sarcoidosis. Koupaie J. **Cutis** 1980 Sep;26(3):297–8, 305

Sarcoid heart disease. A case report. Agarwal RK, et al. **Indian Heart J** 1980 Nov–Dec;32(6):389–92

Pulmonary evaluation of patients presenting with dermatological manifestations of sarcoidosis. Bower JS. **Int J Dermatol** 1981 Jun;20(5):385–9

Fluorescein iris angiography in nodular sarcoid iritis. Karma A, et al. **Int Ophthalmol** 1981 Mar;3(2):97–106

Calvarial sarcoid mimicking metastatic disease. Bodie BF, et al. **J Am Acad Dermatol** 1980 Oct;3(4):401–5

Is micropapular sarcoidosis tuberculosis? Ridgway HA, et al. **J R Soc Med** 1981 Feb;74(2):140–4

Sarcoidosis presenting as a dorsal spinal cord tumor: report of case. Kanoff RB, et al. **JAOA** 1980 Aug;79(12):765–7

Sarcoidosis: a disorder with prominent cutaneous features and their interrelationship with systemic disease. Hanno R, et al. **Med Clin North Am** 1980 Sep;64(5):847–66

Sarcoidosis per endoscopy [letter] Cook IF. **Med J Aust** 1981 Mar 21;1(6):317–8

Pain and swelling in the ankles. Healey LA. **Med Times** 1980 Sep;108(9):96

Sarcoidosis presenting as senile dementia. Cordingley G, et al. **Neurology (NY)** 1981 Sep;31(9):1148–51

Sarcoidosis mimicking glioma: case report and review of intracranial sarcoid mass lesions. Powers WJ, et al. **Neurology (NY)** 1981 Jul;31(7):907–10

Paratesticular mass as a presenting sign of sarcoidosis. Schaeffer J, et al. **Pediatrics** 1980 Sep;66(3):462–3

Unusual clinical presentation of acute sarcoidosis. Halevy J, et al. **Respiration** 1980;40(4):237–9

Chronic sarcoid arthritis. Feldman C. **Rheumatol Rehabil** 1981 Feb 1;20(1):18–20

Serum angiotensin-converting enzyme in sarcoidosis. Bhigjee AI, et al. **S Afr Med J** 1980 Oct 11;58(15):615–6

Sarcoidosis presenting as inflammatory nodose lesions of the legs. Lewis JE. **South Med J** 1980 Oct;73(10):1416–7

Neurosarcoidosis: a review of the rarer manifestations. Cahill DW, et al. **Surg Neurol** 1981 Mar;15(3):204–11

Recurrent sarcoidosis. Symmons DP, et al. **Thorax** 1980 Nov; 35(11):879

Sarcoidosis. Whitcomb ME. **Trans Assoc Life Insur Med Dir Am** 1980;63:67–85

[Mediastinoscopy and bronchoscopy in sarcoidosis] Pedersen AT. **Ugeskr Laeger** 1980 Dec 29;143(1):15–7 (Eng. Abstr.) **(Dan)**

[Efficiency of bronchial and trans-bronchial lung biopsies in 45 cases of sarcoïdosis (author's transl)] Atassi K, et al. **Ann Med Interne (Paris)** 1980;131(6):334–7 (Eng. Abstr.) **(Fre)**

[Mediastinal pulmonary sarcoidosis: clinical study of 87 cases] Pescetti G, et al. **Bronchopneumologie** 1980;30(4):313–30 **(Fre)**

[Retinal vascular involvement as manifestation of sarcoidosis] Chauvaud D, et al. **Bull Soc Ophtalmol Fr** 1980 Dec; 80(12):1181–2 **(Fre)**

[Neuromuscular manifestations of Besnier-Boeck-Schaumann disease] Maaouni A. **Maroc Med** 1980 Jun;2(2):119–29 (Eng. Abstr.) **(Fre)**

[Criteria for diagnosing sarcoidosis (editorial)] Battesti JP. **Nouv Presse Med** 1981 Feb 28;10(9):673–4 **(Fre)**

[Intramedullary localization of sarcoidosis(?) (letter)] Magnet JL, et al. **Nouv Presse Med** 1980 May 10;9(21):1518 **(Fre)**

[A rare case of maxillary sinus sarcoidosis (author's transl)] Maiwald J, et al. **HNO** 1981 Mar;29(3):98–101 (Eng. Abstr.) **(Ger)**

[Be alert to heart involvement in sarcoidosis] Hagemann GJ, et al. **Med Klin** 1980 Aug 29;75(18):665–9 (45 ref.) **(Ger)**

[Isolated sarcoidosis of the upper mediastinal lymph nodes (author's transl)] Parzinger G, et al. **Prax Klin Pneumol** 1980 Nov;34(11):687–91 (Eng. Abstr.) **(Ger)**

[Sarcoidosis – diagnosis and therapy today] Christ R. **Z Gesamte Inn Med** 1980 Dec 15;35(24):suppl 185–8 (Eng. Abstr.) **(Ger)**

[Memento of osseous sarcoidosis] Dransfeld H. **ZFA (Stuttgart)** 1981 May 20;57(14):1089–90 **(Ger)**

[Preferable diagnostic methods in sarcoidosis (editorial)] Halevy J, et al. **Harefuah** 1980 Oct 1;99(7):186–8 **(Heb)**

[Diagnosis of sarcoidosis by transbronchial lung biopsy (TBLB) and examination of the specimens by electron microscopy (author's transl)] Chijimatsu Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Jan;19(1):11–7 (Eng. Abstr.) **(Jpn)**

[Prognosis in pulmonary sarcoidosis] Kostina ZI, et al. **Klin Med (Mosk)** 1980 Dec;58(12):65–9 (Eng. Abstr.) **(Rus)**

[Sarcoidosis of the upper respiratory tracts (a review of the literature)] Chumakov FI, et al. **Probl Tuberk** 1981 Apr; (4):48–53 (77 ref.) (Eng. Abstr.) **(Rus)**

[Differential diagnosis of pulmonary tuberculosis and sarcoidosis (review of the literature)] Ivanovskiĭ VB. **Probl Tuberk** 1980 Nov;(11):49–54 (60 ref.) **(Rus)**

[Lesions of the liver and spleen in sarcoidosis] Mukhin AS, et al. **Sov Med** 1980;(8):26–9 (Eng. Abstr.) **(Rus)**

[Diagnosis and radiation therapy of pulmonary sarcoidosis] Mendeleev IM, et al. **Ter Arkh** 1980;52(11):93–5 (Eng. Abstr.) **(Rus)**

[Pulmonary sarcoidosis with unilateral falling out of ventilation (author's transl)] Piršič B, et al. **Plucne Bolesti Tuberk** 1981 Oct–Dec;32(4):210–5 (Eng. Abstr.) **(Scr)**

[Granulomatous hepatitis during pulmonary sarcoidosis (author's transl)] Welle K. **Plucne Bolesti Tuberk** 1980 Jul–Sep;32(3):85–8 (Eng. Abstr.) **(Scr)**

[Sarcoidosis. Retrospective study of 29 patients] Rodríguez Mosquera M, et al. **Rev Clin Esp** 1980 Sep 15;158(5):191–5 (Eng. Abstr.) **(Spa)**

[Sarcoidosis of the CNS can easily be mistaken for a brain tumor] Krotkiewski M, et al. **Lakartidningen** 1981 Jun 17; 78(25):2468–9 **(Swe)**

DRUG THERAPY

Response to treatment of sarcoidosis involving salivary glands [letter] Maunder K. **Br Dent J** 1981 Jun 2; 150(11):303

The treatment of sarcoidosis by levamisole. Cole PJ, et al. **Br J Dis Chest** 1979 Oct;73(4):367–72

Potassium iodide in the treatment of sarcoidosis [letter]

Graham N, et al. **Can Med Assoc J** 1981 Jan 15;124(2):124–6
Pulmonary function tests in sarcoidosis [letter] Colp C. **Chest** 1981 Aug;80(2):245–6
Chlorambucil in sarcoidosis. Kataria YP. **Chest** 1980 Jul; 78(1):36–43
Sarcoidosis of the larynx. Ahmadi D, et al. **Ear Nose Throat J** 1981 Jul;60(7):307–9
Chronic airways obstruction in pulmonary sarcoidosis: its poor response to bronchodilators. Young RC Jr, et al. **J Natl Med Assoc** 1980 Oct;72(10):965–72
Elevated serum 1,25-dihydroxyvitamin D concentrations in the hypercalcemia of sarcoidosis: correction by glucocorticoid therapy. Chesney RW, et al. **J Pediatr** 1981 Jun;98(6):919–22
[Is there an effective treatment for lung sarcoidosis (Boeck's disease)?] **Med Welt** 1980 Apr 11;31(15):527–9 **(Ger)**

ENZYMOLOGY

Angiotensin-converting enzyme in newly detected sarcoidosis. With special reference to enzyme levels in patients with erythema nodosum. Rømer FK. **Acta Med Scand** 1980;208(6):437–43
Value of serial measurement of serum angiotensin converting enzyme in the management of sarcoidosis. Rohatgi PK, et al. **Am J Med** 1981 Jan;70(1):44–50
Sarcoidosis of the lacrimal sac. Harris GJ, et al. **Arch Ophthalmol** 1981 Jul;99(7):1198–201
A clinical evaluation of serum angiotensin converting enzyme in sarcoidosis. Allen R, et al. **Aust NZ J Med** 1980 Oct; 10(5):496–501
Angiotensin-converting enzyme in sarcoidosis: a British study. Khoury F, et al. **Br J Dis Chest** 1979 Oct;73(4):382–8
Simple radioassay for measuring serum activity of angiotensin-converting enzyme in sarcoidosis. Rohatgi PK, et al. **Chest** 1980 Jul;78(1):69–76
Spectrophotometry of angiotensin-converting enzyme in sarcoidosis [letter] Taylor JT, et al. **Clin Chem** 1980 Nov; 26(12):1756
Angiotensin converting enzyme. V. Serum levels as monitors of disease activity in corticosteroid-treated sarcoidosis. Grönhagen-Riska C, et al. **Eur J Respir Dis** 1980 Apr; 61(2):113–22
The fine page. Serum angiotensin-converting enzyme activity in sarcoidosis. Fine RM. **Int J Dermatol** 1980 Oct; 19(8):454
Serum angiotensin converting enzyme (ACE) levels in untreated and treated sarcoidosis. Sheil O, et al. **Ir Med J** 1981 Apr;74(4):121–2
Follow-up on angiotensin-converting enzyme in serum of patients with sarcoidosis. Baur X, et al. **Respiration** 1981; 41(2):133–8
[Serum level of angiotensin-converting enzyme in sarcoidosis. Attempted correlation with the clinical activity of the disease (author's transl)] Larzul JJ, et al. **Nouv Presse Med** 1981 Feb 28;10(9):675–8 (Eng. Abstr.) **(Fre)**
[Diagnostic value of serum angiotensin converting enzyme activity in sarcoidosis (author's transl)] Sehrt I, et al. **Z Erkr Atmungsorgane** 1979 Jun;153(3):383–91 (Eng. Abstr.) **(Ger)**
[Usefulness of determination of lysozyme level in the blood serum and urine in sarcoidosis for evaluation of disease advancement] Posz A, et al. **Pneumonol Pol** 1980 May; 48(5):333–8 **(Pol)**
[Cytochemical indices as criteria of the activity of stage-I pulmonary sarcoidosis] Kostina ZI, et al. **Probl Tuberk** 1980 Oct;(10):64–8 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Chromosome analysis in patients with sarcoidosis. Veien NK, et al. **Arch Dermatol Res** 1980;268(1):9–13

HISTORY

The eponymy of sarcoidosis. Scadding JG. **J R Soc Med** 1981 Feb;74(2):147–57

IMMUNOLOGY

Tuberculin and DNCB skin tests and in vitro lymphocyte transformation in patients with sarcoidosis. Cosemans J, et al. **Acta Clin Belg** 1979;34(6):353–9
Free light chains of immunoglobulins in serum from patients with rheumatoid arthritis, sarcoidosis, chronic infections and pulmonary cancer. Sølling K, et al. **Acta Med Scand** 1981;209(6):473–7
Immunological aspects of sarcoidosis associated with true thymic hyperplasia. Pardo-Mindan FJ, et al. **Allergol Immunopathol (Madr)** 1980 Mar-Apr;8(2):91–6
Immunology of clinically inactive sarcoidosis: serum factors. Olenchock SA, et al. **Ann Allergy** 1981 Jul;47(1):28–31
HLA-B8 in sarcoidosis. Olenchock SA, et al. **Ann Allergy** 1981 Sep;47(3):151–3
NIH conference. Pulmonary sarcoidosis: a disease characterized and perpetuated by activated lung T-lymphocytes. **Ann Intern Med** 1981 Jan;94(1):73–94 (280 ref.)
Immunoregulation in sarcoidosis. Semenzato G, et al. **Clin Immunol Immunopathol** 1981 Jun;19(3):416–27
The role of immunologic mechanisms in diffuse alveolar wall diseases. Whitcomb ME. **Clin Notes Respir Dis** 1980 Summer;19(1):3–11
In vitro culture of peripheral blood and bone marrow cells in patients with sarcoidosis with and without special preparations of Kveim antigen. Hörnsten P, et al. **Eur J Respir Dis** 1980 Apr;61(2):95–102
Enhanced chemiluminescence response of phagocyting monocytes from sarcoidosis patients. Kanegasaki S, et al. **Int Arch Allergy Appl Immunol** 1981;64(1):72–9
Mechanisms of hypergammaglobulinemia in pulmonary sarcoidosis. Site of increased antibody production and role of T lymphocytes. Hunninghake GW, et al. **J Clin Invest** 1981 Jan;67(1):86–92
Circulating immune complexes in sarcoidosis. Selroos O, et al. **J Clin Lab Immunol** 1980 Mar;3(2):129–32
Imbalance in T gamma and T mu lymphocyte subpopulations in patients with sarcoidosis. Semenzato G, et al. **J Clin Lab Immunol** 1980 Sep;4(2):95–8
Interrelationships of immunoregulatory cells and serum factors in sarcoidosis. Spagnuolo PJ, et al. **J Immunol** 1980 Sep;125(3):1071–7
Pulmonary sarcoidosis: a disorder mediated by excess helper T-lymphocyte activity at sites of disease activity. Hunninghake GW, et al. **N Engl J Med** 1981 Aug 20; 305(8):429–34
Circulating immune complexes in sarcoidosis. Johnson NM, et al. **Thorax** 1980 Apr;35(4):286–9
Immunologic concepts relating to the pathogenesis of diffuse interstitial lung diseases (emphasizing granulomatous forms and idiopathic pulmonary fibrosis). Reynolds HY. **Trans Am Clin Climatol Assoc** 1979;91:16–31
Enzyme-linked immunosorbent assay (ELISA): a study of antibodies to Mycobacterium tuberculosis in the IgG, IgA and IgM classes in tuberculosis, sarcoidosis and Crohn's disease. Grange JM, et al. **Tubercle** 1980 Sep;61(3):145–52
[A new feasibility of immune stimulation in diseases with reduced cell immunity? (author's transl)] Pavelka K, et al. **Cas Lek Cesk** 1981 May 14;120(19):566–70 (Eng. Abstr.) **(Cze)**
[Immunology of sarcoidosis] Favez G, et al. **Schweiz Med Wochenschr** 1981 Jul 18;111(29):1066–75 (Eng. Abstr.) **(Fre)**
[Therapy of sarcoidosis with old tuberculin, blood and BCG] Christ R, et al. **Z Erkr Atmungsorgane** 1979 Jun; 153(3):401–2 **(Ger)**
[Changes in cutaneous anergy in sarcoidosis] Vercellino A, et al. **Arch Sci Med (Torino)** 1980 Oct-Dec;137(4):701–4 **(Ita)**
[The study on the mechanism of the inhibitory effect of the serum IgG from sarcoidosis patients on the E-rosette formation of normal T-cells (author's transl)] Ikeda S. **Nippon Kyobu Shikkan Gakkai Zasshi** 1981 Jan;19(1):25–34 (Eng. Abstr.) **(Jpn)**
[Antioody-dependent cell-mediated cytotoxicity (ADCC) in patients with sarcoidosis (author's transl)] Ina Y, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Oct; 18(10):734–8 (Eng. Abstr.) **(Jpn)**
[Analysis of cellular and protein content of broncho-alveolar lavage fluid from patients with sarcoidosis (author's transl)] Nakano I, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Aug;18(8):513–9 (Eng. Abstr.) **(Jpn)**
[Immunopathology in sarcoidosis] Puente Veloso S, et al. **An R Acad Nac Med (Madr)** 1980;97(3):345–428 **(Spa)**

METABOLISM

Lack of detection of factor VIII in sarcoidal epithelioid cells. Silverstein E, et al. **Am Rev Respir Dis** 1980 Jun; 121(6):1051–2
Calcium and phosphate metabolism in sarcoidosis with particular reference to parathyroid function. Handslip PD, et al. **Br J Dis Chest** 1981 Jan;75(1):55–60
Cutaneous localization of Ga-67 in systemic sarcoidosis. Rohatgi PK. **Clin Nucl Med** 1981 Mar;6(3):109–11
The fine page: calcium metabolism in sarcoidosis. Fine RM. **Int J Dermatol** 1981 May;20(4):260
Increased 1,25-dihydroxycholecalciferol as a cause of abnormal calcium metabolism in sarcoidosis. Koide Y, et al. **J Clin Endocrinol Metab** 1981 Mar;52(3):494–8
Evidence for abnormal regulation of circulating 1 alpha,25-dihydroxyvitamin D in patients with sarcoidosis and normal calcium metabolism. Stern PH, et al. **J Clin Invest** 1980 Oct;66(4):852–5
Hypercalcemia in an anephric patient with sarcoidosis: evidence for extrarenal generation of 1,25-dihydroxyvitamin D. Barbour GL, et al. **N Engl J Med** 1981 Aug 20;305(8):440–3

OCCURRENCE

Sarcoidosis among Chinese. Nandi PL, et al. **Chest** 1981 Jul; 80(1):74–9
Pediatric sarcoidosis. Schabel SI, et al. **J SC Med Assoc** 1980 Sep;76(9):419–22
[Sarcoidosis: analytical study of 66 cases(author's transl)] Badrinas F, et al. **Med Clin (Barc)** 1980 Dec 15; 75(10):409–17 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Muscle involvement in sarcoidosis. Stjernberg N, et al. **Acta Med Scand** 1981;209(3):213–6
Intrahepatic bile duct destruction in a patient with sarcoidosis and chronic intrahepatic cholestasis. Nakanuma Y, et al. **Acta Pathol Jpn** 1979 Mar;29(2):211–9
Transbronchial lung biopsy in sarcoidosis. An approach to determine the optimal number of biopsies. Gilman MJ, et al. **Am Rev Respir Dis** 1980 Nov;122(5):721–4
Characterization of the inflammatory and immune effector cells in the lung parenchyma of patients with interstitial lung disease. Hunninghake GW, et al. **Am Rev Respir Dis** 1981 Apr;123(4 Pt 1):407–12
Bronchoalveolar cells in advanced pulmonary sarcoidosis. Roth C, et al. **Am Rev Respir Dis** 1981 Jul;124(1):9–12
The tadpole-shaped structures in human non-necrotizing granulomas. Wang N, et al. **Am Rev Respir Dis** 1981 May; 123(5):560–4
Endoscopic findings in sarcoidosis. Characteristics and correlations with radiographic staging and bronchial mucosal biopsy yield. Armstrong JR, et al. **Ann Otol Rhinol Laryngol** 1981 Jul-Aug;90(4 Pt 1):339–43
Combined calvarial and CNS sarcoidosis: report ot two cases. Rohatgi PK, et al. **Arch Neurol** 1981 Apr;38(4):261–2
Fundus changes in histologically confirmed sarcoidosis. Spalton DJ, et al. **Br J Ophthalmol** 1981 May;65(5):348–58
Transbronchoscopic lung biopsy in sarcoidosis. Mall W. **Bronchopneumologie** 1980;30(4):331–5
The optimal number of trans-bronchoscopic biopsies for diagnosing sarcoidosis [letter] Harber P. **Chest** 1981 Jan; 79(1):124–5
Conjunctival and tonsillar biopsies in sarcoidosis [letter] Karma A, et al. **Chest** 1980 Dec;78(6):900–1
Diagnosis of sarcoidosis by transbronchial lung biopsy [letter] Pinsker KL, et al. **Chest** 1981 Jan;79(1):123–4
Necrotising sarcoid angiitis and granulomatosis of the lung. Meron MP, et al. **Indian J Chest Dis Allied Sci** 1980 Apr-Jun;22(2):123–7
Systemic sarcoidosis: report of two cases with oral lesions. Cohen C, et al. **J Oral Surg** 1981 Aug;39(8):613–8
Isolated CNS Sarcoidosis. Cariski AT. **JAMA** 1981 Jan 2; 245(1):62–3
Sarcoidosis of the foramen magnum. Delgado TE, et al. **Pa Med** 1981 May;84(5):62–3
Studies on bronchoalveolar cells in human diseases. II. General morphology and ultrastructure of pulmonary macrophages and small mononuclear cells in sarcoidosis. Lenzini L, et al. **Respiration** 1980;40(2):81–93
Conjunctival biopsy in unexplained hypercalcemia. Reynolds LR, et al. **South Med J** 1981 Mar;74(3):379–80
Testicular sarcoidosis. Wees SJ. **South Med J** 1981 Feb; 74(2):255
Sarcoidosis of testis and epididymis. Amenta PS, et al. **Urology** 1981 Jun;17(6):616–7
[Electron Microscopy of epitheloid and multinuclear giant cells in sarcoid granuloma (author's transl)] Dobiáš J. **Sb Lek** 1981;83(1):5–10 (Eng. Abstr.) **(Cze)**
[Anatomo-clinical study of muscular sarcodosis. Ultrastructural examination of two biopsies (author's transl)] Vital C, et al. **Arch Anat Cytol Pathol** 1980; 28(4):214–21 (Eng. Abstr.) **(Fre)**
[A case of sarcoidosis of the lung and skin] Ayad M, et al. **Dakar Med** 1980;25(1):46–50 (Eng. Abstr.) **(Fre)**
[Portal hypertension, cholestasis and the pulmonary interstitial syndrome in a 58-year-old woman (clinical conference)] Pariente EA, et al. **Gastroenterol Clin Biol** 1981 Mar;5(3):340–8 **(Fre)**
[Bone changes in sarcoidosis] Mándi A, et al. **Beitr Orthop Traumatol** 1980 Oct;27(10):586–92 (Eng. Abstr.) **(Ger)**
[Sarcoid nodule and its evolution (author's transl)] Aliperta A, et al. **Pathologica** 1980 May-Jun;72(1019):287–301 **(Ita)**
[Aspecific granulomatous gastritis] Schmid C, et al. **Pathologica** 1979 Nov-Dec;71(1016):783–9 (Eng. Abstr.) **(Ita)**
[Evaluation of transbronchial lung biopsy in patients with sarcoidosis (author's transl)] Hirasawa K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Oct; 18(10):723–7 (Eng. Abstr.) **(Jpn)**
[Transfiberoptic bronchoscopic bronchial and lung biopsy and endoscopic findings in sarcoidosis (author's transl)] Maezato K, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Oct;18(10):728–33 (Eng. Abstr.) **(Jpn)**
[Development of a ileocecal sarcoid lesion following gastrectomy of gastric sarcoidosis--sarcoidosis and Crohn disease] Matsuda Y, et al. **Nippon Rinsho** 1980 Sep; 38(9):3286–91 **(Jpn)**
[A study of gastric cancer with sarcoid reaction as observed in the regional lymph node (author's transl)] Yamamoto T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1980 Oct; 77(10):1555–61 (Eng. Abstr.) **(Jpn)**
[Changes in the small-intestinal mucosa in sarcoidosis] Chrostowski K, et al. **Pneumonol Pol** 1980;48(12):841–6 (Eng. Abstr.) **(Pol)**
[Pathomorphosis of sarcoidosis] Braude VI. **Arkh Patol** 1980; 42(7):53–8 (Eng. Abstr.) **(Rus)**
[Sarcoidosis with lymph node lesion in the maxillofacial area] Kovalenko VS, et al. **Stomatologiia (Mosk)** 1981 Jan-Feb; 60(1):77–8 **(Rus)**
[Pleural sarcoidosis: report of five cases (author's transl)] Fité Reig E, et al. **Med Clin (Barc)** 1981 Feb 10;76(3):103–8 (Eng. Abstr.) **(Spa)**
[Hepatic sarcoidosis. Apropos of a case] González-Escalada JR, et al. **Rev Clin Esp** 1980 Nov 30;159(4):285–7 **(Spa)**
[Hepatic sarcoidosis] González Escalada JR, et al. **Rev Clin Esp** 1980 Nov 30;159(4):229–34 **(Spa)**
[Sarcoidotic granulomatous hepatitis. Diagnostic importance of the hepatic biopsy] Vilaseca J, et al. **Rev Clin Esp** 1980

Oct 15;159(1):11–4 (Eng. Abstr.) **(Spa)**
[Generalized sarcoid reaction or sarcoidosis associated with lymphoma?] Zúñiga Pérez-Lemaur M, et al. **Rev Clin Esp** 1980 Sep 30;158(6):317–20 **(Spa)**

PHYSIOPATHOLOGY

Serial observations of angiotensin-converting enzyme and pulmonary function in sarcoidosis. Weaver LJ, et al. **Arch Intern Med** 1981 Jun;141(7):931–4
Clinical significance of pulmonary function tests. Pulmonary function testing in interstitial pulmonary disease. What does it tell us? Keogh BA, et al. **Chest** 1980 Dec;78(6):856–65
Systemic sarcoidosis and electrocardiographic conduction abnormalities. Electrophysiologic evaluation of two patients. Schuster EH, et al. **Chest** 1980 Oct;78(4):601–4
Use of pulmonary function tests in the management of sarcoidosis. Winterbauer RH, et al. **Chest** 1980 Oct; 78(4):640–7
Lofgren's syndrome and arthritis. Moore AL. **J Fam Pract** 1981 Jun;12(6):1071–2
Disordered control of thirst in hypothalamic-pituitary sarcoidosis. Stuart CA, et al. **N Engl J Med** 1980 Nov 6; 303(19):1078–82
[Electrocardiographic anomalies in mediastino-pulmonary sarcoidosis without cor pulmonale] Lanfranchi J, et al. **Rev Med Interne** 1980;1(1):105–11 (Eng. Abstr.) **(Fre)**
[Atrial-triggered pacemaker-system in a patient with total AV-block caused by sarcoidosis of the heart (author's transl)] Atzenhofer-Baumgartner K, et al. **Wien Med Wochenschr** 1981 Apr 15;131(7):169–74 (Eng. Abstr.) **(Ger)**
[Evaluation of cardiac involvement through electrocardiogram in patients with sarcoidosis (author's transl)] Numao Y, et al. **Kokyu To Junkan** 1981 Apr; 29(4):421–8 (Eng. Abstr.) **(Jpn)**
[A prospective study of pulmonary function in sarcoidosis (author's transl)] Manresa Presas F, et al. **Med Clin (Barc)** 1981 May 10;76(10):433–8 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

Pulmonary sarcoidosis in childhood. Merten DF, et al. **AJR** 1980 Oct;135(4):673–9
Unilateral pulmonary changes in the chest X-ray in sarcoidosis. Mesbahi SJ, et al. **Clin Radiol** 1981 May; 32(3):283–7
CT findings in intracranial neurosarcoid. Morehouse H, et al. **Comput Tomogr** 1980 Oct–Dec;4(4):267–70
[Computerized axial tomography in a case of cerebral sarcoidosis (author's transl)] Avrahami E, et al. **Nervenarzt** 1981 Jun;52(6):348–9 **(Ger)**
[Intrapulmonary sarcoid, presenting as tumor or as multiple pulmonary nodules with and without cavities (author's transl)] Wurm K, et al. **Radiologe** 1981 Mar;21(3):127–33 (Eng. Abstr.) **(Ger)**
[The first stage of sarcoidosis: the actual diagnostic possibilities (author's transl)] Zompatori M, et al. **Radiol Med (Torino)** 1980 Nov;66(11):805–11 (Eng. Abstr.) **(Ita)**

RADIONUCLIDE IMAGING

Gallium-67 scanning to stage the alveolitis of sarcoidosis: correlation with clinical studies, pulmonary function studies, and bronchoalveolar lavage. Line BR, et al. **Am Rev Respir Dis** 1981 Apr;123(4 Pt 1):440–6
Gallium scan in intracerebral sarcoidosis. Makhija MC, et al. **Clin Nucl Med** 1981 Jul;6(7):324–7
Ga-67 and Tl-201 imaging in sarcoidosis involving the myocardium. Tajima T, et al. **Clin Nucl Med** 1981 Mar; 6(3):120–1
67Ga scintigraphy as an index of disease activity in pulmonary sarcoidosis. Alberts C, et al. **Eur J Nucl Med** 1981;6(5):205–12
Redistribution on the thallium scan in myocardial sarcoidosis: concise communication. Makler PT, et al. **J Nucl Med** 1981 May;22(5):428–32
Limited gallium scans and angiotensin converting enzyme in granulomatous uveitis. Weinreb RN, et al. **Ophthalmology (Rochester)** 1980 Mar;87(3):202–9
[The diagnosis of sarcoidosis with gallium-67. A case report] van Heerden PD, et al. **S Afr Med J** 1981 Feb 21; 59(8):265–6 (Eng. Abstr.) **(Afr)**
[Radiogallium scintigraphic study in diffuse interstitial pneumopathies] Pagliaini R, et al. **Radiol Med (Torino)** 1980 Nov;66(11):868–70 **(Ita)**
[Diagnosis of uveo-parotid fever by 67Ga whole body scintigraphy : case reports (author's transl)] Fujioka M, et al. **Rinsho Hoshasen** 1980 Sep 25;25(9):935–8 (Eng. Abstr.) **(Jpn)**
[Hepatosplenic sarcoidosis. Apropos of a case] Serrano M, et al. **Rev Med Univ Navarra** 1979 Jun;23(2):51–5 (Eng. Abstr.) **(Spa)**

SURGERY

Symmetrical muscle contractures in tumorous sarcoidosis: report of a case. Cameron HU. **Clin Orthop** 1981 Mar–Apr; (155):108–10

THERAPY

Response to treatment of sarcoidosis involving salivary glands. Howarth RI. **Br Dent J** 1981 Mar 3;150(5):130–2
[Therapy of sarcoidosis with old tuberculin, blood and BCG. Break in treatment during pregnancy (author's transl)] Berdel WE, et al. **Z Erkr Atmungsorgane** 1979 Jun; 153(3):396–400 (Eng. Abstr.) **(Ger)**

SARCOLEMMA

[Preliminary results of isolation and identification of rat sarcolemma and the effect of denervation on membrane-bound neuraminidase activity] Monsurrò MR, et al. **Acta Neurol [Quad] (Napoli)** 1979;39:173–84 (Eng. Abstr.) **(Ita)**

ANALYSIS

Estimate of the molecular weight of the sarcolemmal sodium channel using H2O-D2O centrifugation. Barchi RL, et al. **J Neurochem** 1981 Jun;36(6):2097–100

DRUG EFFECTS

Effects of dl-erythro-1-phenoxy-3-[(3,4-dimethoxyphenethyl)-amin (PS-6) on rat heart sarcolemma. Takeo S, et al. **Arzneimittelforsch** 1980;30(9):1511–3
Lipids of myocardial membranes: susceptibility of a fraction enriched in sarcolemma to hydrolysis by an exogenous mammalian phospholipase A2. Owens K, et al. **Lipids** 1980 Jul;15(7):534–8

ENZYMOLOGY

Inhibition of sarcolemma ATPases by some membrane-stabilizing drugs. Røed A, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Jan;48(1):65–8
Membrane localization of myocardial type II cyclic AMP-dependent protein kinase activity. Jones LR, et al. **Biochim Biophys Acta** 1981 Feb 20;641(1):242–53
(Ca2+ + Mg2+)-ATPase in enriched sarcolemma from dog heart. Morcos NC, et al. **Biochim Biophys Acta** 1980 May 8;598(1):27–39
Solubilization of rat heart sarcolemma 5'-nucleotidase by phosphatidylinositol-specific phospholipase C. Panagia V, et al. **Biochim Biophys Acta** 1981 Feb 6;640(3):802–6
Beta-adrenergic receptor-adenylate cyclase alterations during the postnatal development of skeletal muscle. Smith PB, et al. **Biochim Biophys Acta** 1980 Dec 1;633(2):274–88
Isolation of sealed vesicles highly enriched with sarcolemma markers from canine ventricle. van Alstyne E, et al. **Biochim Biophys Acta** 1980 Oct 16;602(1):131–43
On the role of cyclic AMP and Ca2+-calmodulin-dependent phosphorylation in the control of (Ca2+ + Mg2+)-ATPase of cardiac sarcolemma. Lamers JM, et al. **FEBS Lett** 1981 May 5;127(1):139–43
Enzymatic characterization of sarcolemmal membranes from the marine crab Carcinus maenas L. Sevillano FI, et al. **Int J Biochem** 1980;12(3):511–4
The Ca2+-pumping ATPase of heart sarcolemma. Characterization, calmodulin dependence, and partial purification. Caroni P, et al. **J Biol Chem** 1981 Apr 10; 256(7):3263–70
Cardiac sarcolemmal and sarcoplasmic reticulum membrane vesicles exhibit distinctive (Ca-Mg)-ATPase substrate specificities. Trumble WR, et al. **J Biol Chem** 1981 Jul 25; 256(14):7101–4
Density and apparent location of the sodium pump in frog sartorius muscle. Venosa RA, et al. **J Membr Biol** 1981 Apr 30;59(3):225–32
Solubilization of a calcium dependent adenosine triphosphatase from rat heart sarcolemma. Dhalla NS, et al. **J Mol Cell Cardiol** 1981 Apr;13(4):413–23
Effect of cyclic AMP phosphodiesterase inhibitors on cardiac sarcolemmal 5'-nucleotidase. Heyliger CE, et al. **J Pharmacol Exp Ther** 1981 May;217(2):489–93
Thromboxane B2: a cardiodepressant of isolated rat hearts and inhibitor of sarcolemma Na+ - K+ stimulated ATPase activity. Karmazyn M, et al. **Prostaglandins Med** 1979 Aug;3(2):81–93

IMMUNOLOGY

[Antibodies to myocardial muscle fiber sarcolemmic antigens in rheumatism and other heart diseases] Beglarian AA, et al. **Kardiologiia** 1980 Nov;20(11):50–4 (Eng. Abstr.) **(Rus)**

METABOLISM

Cardiac contractility and sarcolemmal calcium binding in several cardiac muscle preparations. Bers DM, et al. **Am J Physiol** 1981 Apr;240(4):H576–83
Sodium-calcium exchange and sodium pump activities in cardiac sarcolemmal vesicles: estimation of sidedness. Pitts BJ, et al. **Ann NY Acad Sci** 1980;358:357–8
Stimulation of heart sarcolemmal calcium pump by calmodulin. Tuana BS, et al. **Biochem Biophys Res Commun** 1981 Jun 16;100(3):1245–50
Uptake of [3H]taurine into myocardial membranes. Franconi F, et al. **Biochem Pharmacol** 1981 Jan 1;30(1):77–80
Taurine uptake in sarcolemma vesicles isolated from hypertrophic guinea-pig hearts. Franconi F, et al. **Biochem Pharmacol** 1981 Apr 1;30(7):693–5
Phosphorylation of low molecular weight proteins in purified preparations of rat heart sarcolemma and sarcoplasmic reticulum. Lamers JM, et al. **Biochim Biophys Acta** 1980 Aug 21;624(2):443–59
An electrogenic Na+/Ca2+ antiporter in addition to the Ca2+ pump in cardiac sarcolemma. Lamers JM, et al. **Biochim Biophys Acta** 1981 Jan 22;640(2):521–34
Isolation of frog heart sarcolemma possessing (Ca2+ + Mg2+)-ATPase and Ca2+ pump activities. Morcos NC. **Biochim Biophys Acta** 1981 Apr 22;643(1):55–62
Amino acid and glucose transport in sarcolemmal vesicles from chick embryo heart. Paris S, et al. **Biochim Biophys Acta** 1980 Oct 2;601(3):630–9
Effects of denervation on the composition and synthesis of sarcolemmal proteins. Wallis I, et al. **Biochim Biophys Acta** 1980 July;599(2):518–27
Sarcolemmal protein profiles from cultured myotubes and myoblasts. Hirsch HE, et al. **Exp Neurol** 1981 Sep; 73(3):837–41
Characterization of rat skeletal muscle sarcolemma during the development of diabetes. Olson EN, et al. **Exp Neurol** 1981 Jul;73(1):154–72
A rapid method for the preparation of sarcolemmal vesicles from rat aorta, and the stimulation of calcium uptake into the vesicles by cyclic AMP-dependent protein kinase. Brockbank KJ, et al. **FEBS Lett** 1980 Dec 15;122(1):67–71
Studies on heart sarcolemma: vesicles of opposite orientation and the effect of ATP on the Na+/Ca2+ exchanger. Reinlib L, et al. **FEBS Lett** 1981 Apr 6;126(1):74–6
The development of cAMP-dependent protein phosphorylation in skeletal muscle sarcolemma. Smith PB, et al. **FEBS Lett** 1981 Feb 23;124(2):155–8
Calcium movements promoted by vesicles in a highly enriched sarcolemma preparation from canine ventricle. Calcium-calcium countertransport. Bartschat DK, et al. **J Biol Chem** 1980 Oct 25;255(20):9626–34
Unmasking effect of alamethicin on the (Na+,K+)-ATPase, beta-adrenergic receptor-coupled adenylate cyclase, and cAMP-dependent protein kinase activities of cardiac sarcolemmal vesicles. Jones LR, et al. **J Biol Chem** 1980 Oct 25;255(20):9971–80
Efflux of Ca2+ from cardiac sarcolemmal vesicles. Influence of external Ca2+ and Na+. Philipson KD, et al. **J Biol Chem** 1981 Apr 25;256(8):3698–702
The role of phospholipids in the Ca2+ binding of isolated cardiac sarcolemma. Philipson KD, et al. **J Mol Cell Cardiol** 1980 Nov;12(11):1159–73
Charge movements during the Na+-Ca2+ exchange in heart sarcolemmal vesicles. Caroni P, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6354–8
Copurification of beta-adrenergic catecholamine receptors and hormone-sensitive adenylate cyclase with uterine smooth muscle plasma membranes. Krall JF, et al. **Proc Soc Exp Biol Med** 1980 Oct;165(1):82–5
The effect of taurine on contractility and sarcolemmal calcium binding of bullfrog hearts. Read WO, et al. **Proc Soc Exp Biol Med** 1980 Sep;164(4):576–82
The role of the sarcolemma in cardiac function. Drummond GI. **Tex Rep Biol Med** 1979;39:37–52

PATHOLOGY

Cramps, muscle pain, and tubular aggregates. Lazaro RP, et al. **Arch Neurol** 1980 Nov;37(11):715–7

PHYSIOLOGY

Rectifying properties of the membrane of single freshly isolated smooth muscle cells. Singer JJ, et al. **Am J Physiol** 1980 Nov;239(5):C175–81
Negatively charged sites and calcium binding in the isolated rat heart sarcolemma. Matsukubo MP, et al. **Basic Res Cardiol** 1981 Jan–Feb;76(1):16–28
Two receptor forms for ouabain in sarcolemma-enriched preparations from canine ventricle. Wellsmith NV, et al. **Circ Res** 1980 Nov;47(5):710–20
Depolarization-induced calcium uptake by vesicles in a highly enriched sarcolemma preparation from canine ventricle. Bartschat DK, et al. **J Biol Chem** 1980 Nov 10; 255(21):10044–7
[Acetylcholine receptor in skeletal muscle (author's transl)] Kosk-Kosicka D. **Postepy Biochem** 1980;26(2):225–41 (77 ref.) **(Pol)**

ULTRASTRUCTURE

Electron microscopic study of the sarcolemma of Purkinje cells of the goat heart. Núñez-Durán H. **Acta Anat (Basel)** 1981 Jan;109(1):19–24
Sodium-calcium exchange and sidedness of isolated cardiac sarcolemmal vesicles. Bers DM, et al. **Biochim Biophys Acta** 1980 Sep 18;601(2):358–71
The preparation of a sarcolemmal fraction from evacuated muscle slices. Wallis I, et al. **Biochim Biophys Acta** 1980 July;599(2):505–17
The membrane morphology of the neuromuscular junction, sarcolemma, sarcoplasmic reticulum and transverse tubule system in murine muscular dystrophy studied by freeze-fracture electron microscopy. Ellisman MH. **Brain Res** 1981 Jun 15;214(2):261–73
The myocardial plasma membrane during development: influence of glutaraldehyde fixation on the density and size of intramembranous particles. Gros D, et al. **J Cell Sci** 1980 Jun;43:301–17
Impaired sarcolemmal membrane permeability in reperfused ischemic myocardium. Ultrastructural tracer study.

Camilleri JP, et al. **Virchows Arch [Pathol Anat]** 1980; 388(1):69–76

SARCOLYSINE see **MELPHALAN**

SARCOMA

see related
ROUS SARCOMA VIRUS

Seminars in oncology. Soft tissue sarcomas. **Semin Oncol** 1981 Jun;8(2):129–240

Lymphography in bone and soft tissue sarcomas. Experiences from three institutions. Tallroth K, et al. **Tumori** 1980 Dec 31;66(6):721–8

[Sarcoma of the lungs and endothorax (author's transl)] Gebauer C. **Prax Klin Pneumol** 1980 Mar;34(3):123–43 (Eng. Abstr.) **(Ger)**

ANALYSIS

Melanin containing clear cell sarcoma in a fingertip. Case report and review of the literature. Tyler G, et al. **Hand** 1980 Oct;12(3):308–15

Surface glycoproteins of human sarcoma– and fibroblastic cells. Lubitz W, et al. **Neoplasma** 1980;27(6):633–9

Distribution of steroid hormone receptors in human soft tissue sarcomas. Chaudhuri PK, et al. **Surgery** 1981 Aug; 90(2):149–53

BLOOD SUPPLY

Role of arteriography in the evaluation of musculoskeletal tumors. Yadav SS. **Int Surg** 1980 May–Jun;65(3):253–8

CHEMICALLY INDUCED

Soft–tissue sarcomas and exposure to chemical substances: a case–referent study. Eriksson M, et al. **Br J Ind Med** 1981 Feb;38(1):27–33

Dioxin, chloracne, and soft tissue sarcoma [letter] Cook RR. **Lancet** 1981 Mar 14;1(8220 Pt 1):618–9

Soft tissue sarcomas and chlorinated phenols [letter] Crow KD. **Lancet** 1981 Aug 15;2(8242):369

Soft–tissue sarcomas, phenoxy herbicides, and chlorinated phenols [letter] Hardell L, et al. **Lancet** 1981 Aug 1; 2(8240):250

2,4,5–T, trichlorophenol, and soft tissue sarcoma [letter] Honchar PA, et al. **Lancet** 1981 Jan 31;1(8214):268–9

COMPLICATIONS

Sarcoma complicating von Recklinghausen disease in pregnancy. Ginsburg DS, et al. **Obstet Gynecol** 1981 Sep; 58(3):385–7

Case profile: urethral bladder neck compression and stretching secondary to alveolar soft part sarcoma. Turner BI, et al. **Urology** 1981 Feb;17(2):202–3

[Stenosing of the femoral artery by an epitheloid sarcoma] Wegmann W, et al. **Vasa** 1980;9(3):227–33 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Detection of endometrial stromal sarcoma in cervicovaginal smears: reports of three cases. Becker SN, et al. **Acta Cytol (Baltimore)** 1981 May–Jun;25(3):272–5

Fine–needle biopsy of sarcomas of the breast. Degrell I. **Acta Med Acad Sci Hung** 1980;37(1):73–81

Multilocular renal cysts and cystic renal tumors. Beckwith JB, et al. **AJR** 1981 Feb;136(2):435–6

Retroperitoneal sarcoma: ultrasonographic and angiographic evaluation. Karp W, et al. **Br J Radiol** 1980 Jun; 53(630):525–31

Alveolar soft part sarcoma. Angell FL. **CT** 1980 Sep; 4(3):207–8

Clinical evaluation of malignant process by serum copper estimation. Bhardwaj DN, et al. **J Indian Med Assoc** 1980 Sep 16;75(6):119–20

Adolescent breast disease. Skiles MS, et al. **J Med Soc NJ** 1980 Dec;77(13):891–3

Case report: false aneurysm due to synovial sarcoma. Platenkamp GJ, et al. **Neth J Surg** 1980;32(2):66–70

Soft part sarcomas of the head and neck. Farr HW. **Semin Oncol** 1981 Jun;8(2):185–9

Primary sarcoma of the retroperitoneum. Fortner JG, et al. **Semin Oncol** 1981 Jun;8(2):180–4

Reactive pseudosarcomatous response in urinary bladder. Roth JA. **Urology** 1980 Dec;16(6):635–7

[The correlation of cytologic and histologic findings in uterine sarcoma (author's transl)] Höffken H, et al. **Geburtshilfe Frauenheilkd** 1980 Sep;40(9):791–7 (Eng. Abstr.) **(Ger)**

[Anatomo–clinical characteristics of malignant connective tissue tumors of the lung] Catena E, et al. **Arch Monaldi** 1978 Sep–Dec;33(5–6):283–92 (Eng. Abstr.) **(Ita)**

[Diagnosis and surgical treatment of soft tissue sarcomas] Alho A, et al. **Tidsskr Nor Laegeforen** 1981;101(8):519–20 (Eng. Abstr.) **(Nor)**

[Electron microscopic diagnosis of human synovial tumors] Kats VA. **Arkh Patol** 1981;43(2):27–33 (Eng. Abstr.) **(Rus)**

[Electron microscopy in the differential diagnosis of uterine sarcoma] Kukuté BG, et al. **Arkh Patol** 1981;43(7):23–8 (Eng. Abstr.) **(Rus)**

[Primary sarcomas of the lungs] Neĭmark II. **Grudn Khir** 1981 Jan–Feb;(1):65–7 **(Rus)**

[Sarcoma of the breast] Kurbanov RL, et al. **Khirurgiia (Mosk)** 1981 Apr;(4):47–50 (Eng. Abstr.) **(Rus)**

[Primary gastric sarcoma] Rozenberg VD. **Ter Arkh** 1980; 52(11):136–7 **(Rus)**

[Case of primary lung sarcoma mimicking disseminated tuberculosis] Protsiuk RG, et al. **Vrach Delo** 1981;(4):31–3 **(Rus)**

DRUG THERAPY

Successful treatment of metastatic sarcomas with cyclophosphamide, adriamycin, and DTIC (CAD). Blum RH, et al. **Cancer** 1980 Oct 15;46(8):1722–6

High–dose methotrexate as secondary chemotherapy in metastatic soft–tissue sarcomas. Karakousis CP, et al. **Cancer** 1980 Sep 15;46(6):1345–8

Metastatic sarcomas: chemotherapy with adriamycin, cyclophosphamide, and methotrexate alternating with actinomycin D, DTIC, and vincristine. Presant CA, et al. **Cancer** 1981 Feb 1;47(3):457–65

A phase II evaluation of methyl CCNU and actinomycin D in the treatment of advanced sarcomas in adults. Yap BS, et al. **Cancer** 1981 Jun 15;47(12):2807–9

Cyclical combination chemotherapeutic regimen in adult soft tissue sarcoma. Dalley DN, et al. **Cancer Clin Trials** 1981; 4(2):163–5

Phase II evaluation of cycloleucine in the treatment of patients with disseminated sarcomas. Baker LH, et al. **Cancer Treat Rep** 1981 Mar–Apr;65(3–4):358–9

Doxorubicin and dactinomycin therapy for advanced sarcomas. Brenner DE, et al. **Cancer Treat Rep** 1981 Mar–Apr;65(3–4):231–6

Results of the Royal Marsden Hospital second soft tissue sarcoma schedule (STS II) chemotherapy regimen in the management of advanced sarcoma. Bryant BM, et al. **Cancer Treat Rep** 1980 Apr–May;64(4–5):689–92

Phase II study in advanced sarcoma: randomized trial of pyrazofurin versus combination cyclophosphamide, doxorubicin, and cis–dichlorodiammineplatinum(II) (CAP). Cormier WJ, et al. **Cancer Treat Rep** 1980 Apr–May; 64(4–5):655–8

Treatment of advanced soft tissue sarcoma with chlorozotocin: a phase II trial of the EORTC soft tissue and bone sarcoma group. Mouridsen HT, et al. **Cancer Treat Rep** 1981 May–Jun;65(5–6):509–11

Comparison of doxorubicin with cycloleucine in the treatment of sarcomas. Savlov ED, et al. **Cancer Treat Rep** 1981 Jan–Feb;65(1–2):21–7

Phase II. Evaluation of 4'–(9–acridinylamino)–methanesulfon–m–anisidide (AMSA) in patients with advanced sarcoma. Sordillo PP, et al. **Cancer Treat Rep** 1980 Oct–Nov;64(10–11):1129–30

Phase II evaluation of vindesine sulfate in patients with advanced sarcomas. Sordillo PP, et al. **Cancer Treat Rep** 1981 May–Jun;65(5–6):515–6

Chlorozotocin: phase II evaluation in patients with advanced sarcomas. Sordillo PP, et al. **Cancer Treat Rep** 1981 May–Jun;65(5–6):513–4

Phase II evaluation of AMSA in adult sarcomas. Yap BS, et al. **Cancer Treat Rep** 1981 Mar–Apr;65(3–4):341–3

5–fluorouracil and cis–platinum in the treatment of refractory solid tumors: a pediatric oncology group phase I–II study. Land VJ, et al. **Med Pediatr Oncol** 1981;9(3):289–91

Chemotherapy of soft tissue sarcomas. Beretta G, et al. **Oncology** 1980;37 Suppl 1:92–6 (17 ref.)

Chemotherapy in complex treatment of bone and soft tissue sarcomas. Matějovský Z. **Oncology** 1980;37 Suppl 1:97–103

Chemotherapy of sarcomas–a perspective. Sutow WW, et al. **Semin Oncol** 1981 Jun;8(2):207–14

[Palliative chemotherapy of adult soft tissue sarcomas with an association of cyclophosphamide–vincristine–adriamycine–dacarbazine (CYVADIC) (author's transl)] Bui B, et al. **Bull Cancer (Paris)** 1981;68(1):1–5 (Eng. Abstr.) **(Fre)**

[Treatment of locally extensive soft tissue sarcomas. Value of intra–arterial chemotherapy (author's transl)] Marée D, et al. **Bull Cancer (Paris)** 1980;67(2):175–81 (Eng. Abstr.) **(Fre)**

[Clinical experiences with radiotherapy and ICRF 159 in sarcomas] Rhomberg W, et al. **Strahlentherapie [Sonderb]** 1978;75:110–4 **(Ger)**

[Drug therapy in the treatment of primary bone tumors] Buxó Costa J, et al. **Med Clin (Barc)** 1980 May 25;74(10):415–9 **(Spa)**

ETIOLOGY

Postirradiation sarcoma of the head and neck: a report of three late sarcomas following therapeutic irradiation for primary malignancies of the paranasal sinus, nasal cavity, and larynx. Coia LR, et al. **Cancer** 1980 Nov 1;46(9):1982–5

Uterine sarcoma following adjuvant radiotherapy for rectal carcinoma. Marmion PJ, et al. **J Surg Oncol** 1981;17(1):63–7

Radiation induced sarcoma. Karapurkar AP, et al. **Surg Neurol** 1980 Jun;13(6):419–22

HISTORY

Soft tissue sarcoma: a historical overview. Sears HF. **Semin Oncol** 1981 Jun;8(2):129–32

IMMUNOLOGY

Characterization of human sarcoma antigen S3. Sethi JK, et al. **Br J Cancer** 1981 Mar;43(3):261–6

Purification of herpes simplex virus tumor associated antigen from human kidney carcinoma. Cocchiara R, et al. **Cancer** 1980 Oct 1;46(7):1594–601

Immunology of sarcomas. Mitchell MS. **Clin Orthop** 1980 Nov–Dec;(153):26–30 (27 ref.)

Non T suppressor cells in the lymph nodes of mice bearing methylcholanthrene–induced sarcomas. Indrová M, et al. **Folia Biol (Praha)** 1981;27(3):217–22

Determination of incidence and partial characterization of tumor–associated antigens found in the urine of patients bearing solid tumors. Rote NS, et al. **Int J Cancer** 1980 Aug;26(2):203–10

Natural humoral immunity in patients with malignant disease. Higuchi M, et al. **J Clin Lab Immunol** 1980 Nov;4(3):141–3

Identification and physicochemical characterization of a tumor–associated antigen from canine transmissible venereal sarcoma. Palker TJ, et al. **JNCI** 1981 Apr; 66(4):779–87

[Studies on the suppressor cells acting on the mitogen induced blastogenesis in tumor–bearing hosts. II. Suppressor cells in the peripheral blood of patients with malignant bone and soft tissue sarcoma (author's transl)] Takami M. **Nippon Seikeigeka Gakkai Zasshi** 1980 Nov; 54(11):1563–70 (Eng. Abstr.) **(Jpn)**

METABOLISM

Nutritional effects of surgery, radiation therapy, and adjuvant chemotherapy for soft tissue sarcomas. Sloan GM, et al. **Am J Clin Nutr** 1981 Jun;34(6):1094–102

Presence of steroid receptors in human soft tissue sarcomas of diverse histological origin. Chaudhuri PK, et al. **Cancer Res** 1980 Mar;40(3):861–5

MICROBIOLOGY

Endogenous virogenes and oncogenes in rat–cell transformation: a new model system. Rasheed S. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):779–86

[Human viral carcinogenesis. RNA–tumor–virus like structures in human leukemia, lymphomas and sarcomas] Hehlmann R. **Fortschr Med** 1980 Oct 9;98(38):1473–6 (Eng. Abstr.) **(Ger)**

MORTALITY

[Prognostic and therapeutic aspects of breast sarcomas: a study of 58 consecutive cases] De Schryver A. **Verh K Acad Geneeskd Belg** 1980;42(1):17–40 **(Dut)**

OCCURRENCE

Cancer of the nasopharynx in under 21–year–olds: a review. Counter RT, et al. **Clin Oncol** 1980 Sep;6(3):213–20

PATHOLOGY

The paradox of sarcomas. Hajdu SI. **Acta Cytol (Baltimore)** 1980 Sep–Oct;24(5):373–83 (23 ref.)

The exfoliative cytology of endometrial stromal sarcoma in peritoneal fluid. Hong IS. **Acta Cytol (Baltimore)** 1981 May–Jun;25(3):277–81

A case of extensive pelvic endometriosis terminating in endometrial sarcoma. Crum CP, et al. **Am J Obstet Gynecol** 1981 Jul 15;140(6):718–9

Intermediate filaments in eosinophilic cells of epithelioid sarcoma: a light–microscopic, ultrastructural, and electrophoretic study. Mills SE, et al. **Am J Surg Pathol** 1981 Mar;5(2):195–202

Epithelioid sarcoma. Pathologic quiz case. Bitran J, et al. **Arch Otolaryngol** 1980 Oct;106(10):652–4

Touch imprints: their use in the frozen–section diagnosis of alveolar soft–part sarcoma. McDonald EC, et al. **Arch Pathol Lab Med** 1981 May;105(5):263–5

Growth pattern and differentiation of human soft tissue sarcomas in nude mice. Hajdu SI, et al. **Cancer** 1981 Jan 1;47(1):90–8

Early distant metastases from epithelioid sarcoma of the hand. Sugarbaker PH, et al. **Cancer** 1981 Aug 1;48(3):852–5

Characterization of cells obtained by mechanical and enzymatic means from human melanoma, sarcoma, and lung tumors. Slocum HK, et al. **Cancer Res** 1981 Apr; 41(4):1428–34

A system for the surgical staging of musculoskeletal sarcoma. Enneking WF, et al. **Clin Orthop** 1980 Nov–Dec; (153):106–20

The pathology of head and neck tumors: fibroadipose tissue and skeletal muscle, Part 8. Batsakis JG, et al. **Head Neck Surg** 1980 Nov–Dec;3(2):145–68 (69 ref.)

Malignant granular cell tumour (myoblastoma) of the vulva: report of a case and review of the literature. Robertson AJ, et al. **Histopathology** 1981 Jan;5(1):69–79

Mesenchymal renal tumors in infancy: a reappraisal. Gonzalez–Crussi F, et al. **Hum Pathol** 1981 Jan;12(1):78–85

Current concepts review. The surgical staging of musculoskeletal sarcoma. Enneking WF, et al. **J Bone Joint Surg [Am]** 1980 Sep;62(6):1027–30 (20 ref.)

Differentiation of sarcomas. Knights E. **J Foot Surg** 1980 Winter;19(4):218–21

Uterine sarcoma in Jamaican women. A 15–year clinicopathological study. Sengupta BS, et al. **J R Coll Surg Edinb** 1981 Mar;26(2):94–8

Sarcoma of the maxillary sinus in a patient with malignant melanoma: report of a case. Kress DW, et al. **J Surg Oncol** 1981;17(2):177–82

The pathologist's role in a multidisciplinary approach for soft part tissue sarcoma: a reappraisal (39 cases). Mandard AM, et al. **J Surg Oncol** 1981;17(1):69–81

Karyological and isoenzyme characterization of established human sarcoma cell lines. Phan Thu A, et al. **Neoplasma** 1980;27(5):557–66

Epithelioid sarcoma originating on the back. Novetsky AD, et al. **NY State J Med** 1981 Apr;81(5):765–9

Histopathology of sarcomas. Enterline HT. **Semin Oncol** 1981 Jun;8(2):133–55

Staging system for soft tissue sarcoma. Russell WO, et al. **Semin Oncol** 1981 Jun;8(2):156–9

Growth rate of soft tissue sarcomas: a quantitative study of 44 local recurrences. Galante E, et al. **Tumori** 1980 Apr 30;66(2):215–22

Percutaneous transperitoneal fine needle biopsy of normal looking lymph nodes and small lesions at lymphography: a preliminary report. Göthlin JH, et al. **Urol Radiol** 1979–1980;1(4):237–9

Spindle cell sarcoma of scrotum. Asaadi M, et al. **Urology** 1980 Nov;16(5):525–6

[Endometrial stromal tumor (author's transl)] Sun AD. **Chung Hua Fu Chan Ko Tsa Chih** 1979;14(3):164–8 **(Chi)**

[A mixed malignant tumour of duodenum] Jirková A, et al. **Sb Lek** 1981 Mar;83(2–3):65–71 (Eng. Abstr.) **(Cze)**

[Alveolar soft tissue sarcoma] Kroon BB, et al. **Ned Tijdschr Geneeskd** 1981 Jan 17;125(3):87–93 (Eng. Abstr.) **(Dut)**

[Clear–cell sarcoma of the kidney in child. Two cases (author's transl)] Lebreuil G, et al. **Arch Anat Cytol Pathol** 1981;29(2):79–86 (Eng. Abstr.) **(Fre)**

[A case of clear cell sarcoma of the posterolateral wall of the pharynx] Mazauric FX, et al. **J Fr Otorhinolaryngol** 1981 Feb;30(2):111–3 **(Fre)**

[Uterine sarcomas. Cytological diagnosis and differential diagnosis] Höffken H, et al. **Fortschr Med** 1980 Sep 25; 98(36):1365–8 (Eng. Abstr.) **(Ger)**

[Primary malignant mesenchymal tumors in the head and neck area—the problems in diagnosis and therapy (author's transl)] Wilhelm HJ, et al. **Laryngol Rhinol Otol (Stuttg)** 1980 Apr;59(4):211–20 (Eng. Abstr.) **(Ger)**

[A malignant mixed tumor of the breast] Matejka M, et al. **Onkologie** 1981 Jun;4(3):146–9 (Eng. Abstr.) **(Ger)**

[The stromal and myogenic sarcomas of the uterus (author's transl)] Dallenbach–Hellweg G. **Pathol Res Pract** 1980; 169(2):127–39 (Eng. Abstr.) **(Ger)**

[Sarcomas of the uterus: morphological criteria and clinical course (author's transl)] Eberl M, et al. **Pathol Res Pract** 1980;169(2):165–72 (Eng. Abstr.) **(Ger)**

[Morphology and histogenesis of soft tissue chordoid sarcoma] Galil–Ogly GA, et al. **Arkh Patol** 1981; 43(1):58–64 (Eng. Abstr.) **(Rus)**

[Sarcoma of the pulmonary trunk associated with drug hypersensitivity] Solov'eva IP. **Arkh Patol** 1981;43(2):77–80 **(Rus)**

[Malignant nonepithelial breast tumors in young women] Bondar' GV, et al. **Khirurgiia (Mosk)** 1981 Apr;(4):95–6 **(Rus)**

[Morphological analysis of radiation–induced destruction of malignant soft tissue tumors under gamma teletherapy] Volchenko NN, et al. **Med Radiol (Mosk)** 1981 Apr; 26(4):31–5 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Growth patterns of pulmonary metastases from human sarcomas and melanomas. Plesnicar S, et al. **Cell Mol Biol** 1980;26(6):631–7

RADIOGRAPHY

Computed tomography of virally induced canine brain tumors: a preliminary report. Groothuis DR, et al. **J Comput Assist Tomogr** 1981 Aug;5(4):538–43

Primary intracranial sarcomas: radiological diagnosis with emphasis on arteriography. Kishikawa T, et al. **Neuroradiology** 1981 Feb;21(1):25–31

[Differential diagnostic importance of soft tissue changes in malignant bone tumors and osteomyelitis] Skotnikov VI, et al. **Klin Khir** 1981;(5):30–2 (Eng. Abstr.) **(Rus)**

[Case of sarcoma of the diaphragm] Kots EB. **Vestn Rentgenol Radiol** 1981;(3):68–70 **(Rus)**

[Diagnostic value of angiographic studies of parietal lobe tumors] Rozumenko VD. **Zh Vopr Neirokhir** 1980 Sep–Oct; (5):28–33 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

The role of radionuclide bone–scanning in determining the resectability of soft–tissue sarcomas. Enneking WF, et al. **J Bone Joint Surg [Am]** 1981 Feb;63A(2):249–57

RADIOTHERAPY

Preoperative radiation therapy for sarcoma of soft tissue. Suit HD, et al. **Cancer** 1981 May 1;47(9):2269–74

The role of radiotherapy in the treatment of soft tissue sarcoma: a retrospective study 1958—73. Coe MA, et al. **Clin Radiol** 1981 Jan;32(1):47–51

The place of radiotherapy in the treatment of synovial sarcoma. Carson JH, et al. **Int J Radiat Oncol Biol Phys** 1981 Jan;7(1):49–53

The role of radiation therapy in the management of uterine sarcomas. Salazar OM, et al. **Int J Radiat Oncol Biol Phys** 1980 Jul;6(7):899–902

Radiation therapy for soft tissue sarcoma. Carabell SC, et al. **Semin Oncol** 1981 Jun;8(2):201–6

[Radiosensitivity of the stromal precursor cells (CFUf) found in the bone marrow of bone sarcoma patients] Kolesnikova AI, et al. **Med Radiol (Mosk)** 1980 Oct;25(10):48–51 (Eng. Abstr.) **(Rus)**

SECONDARY

Pulmonary resection and chemotherapy for metastatic alveolar soft–part sarcoma. Baum ES, et al. **Cancer** 1981 Apr 15;47(8):1946–8

Bone sarcoma as a second malignant neoplasm in children: influence of radiation and genetic predisposition for the Late Effects Study Group. Meadows AT, et al. **Cancer** 1980 Dec 15;46(12):2603–6

Central nervous system involvement in sarcoma. A presentation of 12 cases, a review of the literature, and a discussion of possible changing patterns with the use of chemotherapy, placing special emphasis on embryonal tumours. Bryant BM, et al. **Eur J Cancer** 1980 Nov; 16(11):1503–7

[A case of alveolar soft–part sarcoma with lung and cerebral metastasis (author's transl)] Yamashita S, et al. **No Shinkei Geka** 1981 Apr;9(5):633–8 (Eng. Abstr.) **(Jpn)**

SECRETION

[A case of epipharyngeal sarcoma associated with the syndrome of inappropriate secretion of antidiuretic hormone (SIADH) (author's transl)] Yokokawa T, et al. **Nippon Naika Gakkai Zasshi** 1981 Mar;70(3):410–6 **(Jpn)**

SURGERY

Short–term follow–up of surgically treated sarcomas. Clay MG, et al. **Am J Surg** 1981 May;141(5):537–8

New trends in skeletal reconstruction after resection of chest wall tumors. McCormack P, et al. **Ann Thorac Surg** 1981 Jan;31(1):45–52

The surgical treatment and outcome of soft–tissue sarcoma. Abbas JS, et al. **Arch Surg** 1981 Jun;116(6):765–9

The continuing challenge of retroperitoneal sarcomas. Cody HS 3d, et al. **Cancer** 1981 May 1;47(9):2147–52

The effect of the Anatomic setting on the results of surgical procedures for soft parts sarcoma of the thigh. Enneking WF, et al. **Cancer** 1981 Mar 1;47(5):1005–22

Local resection in primary malignant bone tumors. Johnston JO. **Clin Orthop** 1980 Nov–Dec;(153):73–80

Introduction to resection of musculoskeletal sarcomas. Watts HG. **Clin Orthop** 1980 Nov–Dec;(153):31–8

Epithelioid sarcoma—two case reports. Sergiou SP, et al. **Hand** 1980 Oct;12(3):304–7

Retroperitoneal sarcoma treated by surgery. Bengmark S, et al. **J Surg Oncol** 1980;14(4):307–14

Results of hemipelvectomy for soft tissue sarcoma. Butzelaar RM, et al. **Neth J Surg** 1981 May;33(2):79–82

Clinical results in the management of patients with uterine sarcoma. Lohe KJ, et al. **Pathol Res Pract** 1980; 169(2):200–1

[Sarcoma of the vagina in adult (author's transl)] Escande G, et al. **Ann Chir** 1980;34(6):428–32 (Eng. Abstr.) **(Fre)**

[Enucleation for sarcoma of the choroid. Indications and technics] Haye C, et al. **Bull Soc Ophtalmol Fr** 1981 Jan; 81(1):33–5 **(Fre)**

[Soft tissue sarcoma of the limbs] Saunier J, et al. **Helv Chir Acta** 1980 Jun;47(1–2):243–57 (Eng. Abstr.) **(Fre)**

[Cerebellar tumours in the child. Technic and operative results (author's transl)] van den Bergh R, et al. **Neurochirurgie** 1980;26(3):193–5 (Eng. Abstr.) **(Fre)**

[Report on 69 uterine sarcomas treated at the University Hospital for Women Hamburg–Eppendorf during 1953–1977 (author's transl)] Koll R. **Pathol Res Pract** 1980; 169(2):185–91 (Eng. Abstr.) **(Ger)**

[The treatment of soft tissue sarcomas (author's transl)] Santavirta S, et al. **Zentralbl Chir** 1980;105(12):753–7 (Eng. Abstr.) **(Ger)**

[Unusual tumor of the thyroid gland: sarcoma. Considerations on an operated case] Campana FP, et al. **Ann Ital Chir** 1980;52(1):121–9 **(Ita)**

[Comparative evaluation of the surgical treatment methods in soft tissue sarcomas] Vitsyn BA, et al. **Khirurgiia (Mosk)** 1981 Apr;(4):73–6 **(Rus)**

[Rare malignant tumors of the rectum] Dem'ianov VS. **Klin Khir** 1981;(5):50–2 (Eng. Abstr.) **(Rus)**

[Surgical treatment of tumors of the forearm bones] Kulish NI, et al. **Ortop Travmatol Protez** 1980 Dec;(12):8–11 (Eng. Abstr.) **(Rus)**

[Changes in cerebral and pe…heral plethysmograms in the early postoperative period of patients with supratentorial tumors] Dukhin AL, et al. **Zh Vopr Neirokhir** 1980 May–Jun;(3):32–7 (Eng. Abstr.) **(Rus)**

[Uterine sarcomas. Therapeutic evaluation and prognosis in 21 cases] Torres Lobatón A, et al. **Ginecol Obstet Mex** 1980 Nov;48(289):317–32 (Eng. Abstr.) **(Spa)**

THERAPY

Nutritional effects of surgery, radiation therapy, and adjuvant chemotherapy for soft tissue sarcomas. Sloan GM, et al. **Am J Clin Nutr** 1981 Jun;34(6):1094–102

Is amputation necessary for sarcomas? A seven–year experience with limb salvage. Eilber FR, et al. **Ann Surg** 1980;192(4):431–8

Management of soft tissue tumours by limited surgery combined with tumour bed irradiation using brachytherapy and supplementary teletherapy. Mills EE, et al. **Br J Radiol** 1981 Apr;54(640):312–7

Hyperthermic therapy for human neoplasms: thermal death time. Storm FK, et al. **Cancer** 1980 Oct 15;46(8):1849–54

Sarcomas of the genitourinary tract: case histories. Sinkovics JG, et al.
In: Clinical conference on cancer, 23d, M. D. Anderson Hospital and Tumor Institute, Houston, 1978. Cancer of the genitourinary tract. New York : Raven Press, 1979. W3 C162H 23d 1978c c.1 pp.:281–99

Uterine sarcoma and policy of management. Rao K, et al. **Indian J Cancer** 1980 Jun;17(2):120–3

The in vivo distribution of autologous human and murine lymphoid cells grown in T cell growth factor (TCGF): implications for the adoptive immunotherapy of tumors. Lotze MT, et al. **J Immunol** 1980 Oct;125(4):1487–93

Fast attempts at the photodynamic treatment of human gliomas. Perria C, et al. **J Neurosurg Sci** 1980 Jul–Dec; 24(3–4):119–29

Retroperitoneal sarcomas: a reappraisal of treatment. Storm FK, et al. **J Surg Oncol** 1981;17(1):1–7

Radio frequency hyperthermia of advanced human sarcomas. Storm FK, et al. **J Surg Oncol** 1981;17(2):91–8

The pediatric patient with sarcoma. King DR, et al. **Semin Oncol** 1981 Jun;8(2):215–21

Perspectives on the role of surgery and radiation therapy in the treatment of soft tissue sarcomas of the extremities. Rosenberg SA, et al. **Semin Oncol** 1981 Jun;8(2):190–200

Management of soft tissue sarcoma of the extremity. Shiu MH, et al. **Semin Oncol** 1981 Jun;8(2):172–9

Sarcoma: etiology and advances in therapy with immunotherapy, limb salvage surgery, and hyperthermia. Storm FK, et al. **Semin Oncol** 1981 Jun;8(2):229–37

Unusual survival after pulmonary artery sarcoma. Fer MF, et al. **South Med J** 1981 May;74(5):624–6

[Sarcomas of the uterine body] Bouma J, et al. **Ned Tijdschr Geneeskd** 1980 Jul 26;124(30):1243–6 (Eng. Abstr.) **(Dut)**

[Results of treatment on 56 sarcomas of the uterus between 1953 and 1977 (author's transl)] Kaether M, et al. **Pathol Res Pract** 1980;169(2):179–84 (Eng. Abstr.) **(Ger)**

[Clinical aspects of uterine sarcomas (author's transl)] Stegner HE. **Pathol Res Pract** 1980;169(2):120–6 (Eng. Abstr.) **(Ger)**

[Sarcomas of the female genitalia: therapy and prognosis (author's transl)] Teufel G, et al. **Pathol Res Pract** 1980; 169(2):173–8 (Eng. Abstr.) **(Ger)**

[Results of therapy of solid tumours of the bladder (author's transl)] Kob D, et al. **Radiobiol Radiother (Berl)** 1980 Feb; 21(1):11–7 (Eng. Abstr.) **(Ger)**

[Primary carcinomas and sarcomas of the vagina – therapeutic results (author's transl)] Schmeisser G, et al. **Zentralbl Gynaekol** 1980;102(7):369–73 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Soft–tissue sarcoma of undetermined histogenesis: an ultrastructural study. Dardick I, et al. **Arch Pathol Lab Med** 1981 Apr;105(4):214–7

Ultrastructural study of a sarcomatoid variant of renal cell carcinoma. Deitchman B, et al. **Cancer** 1980 Sep 1; 46(5):1152–7

Vascular spaces in endolymphatic stromal myosis. Fung CH, et al. **Gynecol Oncol** 1980 Oct;10(2):241–7

Müllerian adenosarcoma of the uterus: literature review, case report, and ultrastructural observations. Orenstein HH, et al. **Ultrastruct Pathol** 1980 Apr–Jun;1(2):189–200

Myofibroblasts in soft tissue sarcomas. Lagacé R, et al. **Virchows Arch [Pathol Anat]** 1980;389(1):1–11

[Clear cells sarcoma of tendons and aponeuroses. Electron microscopic study of two new cases (author's transl)] Choux R, et al. **Arch Anat Cytol Pathol** 1980;28(4):203–6 (Eng. Abstr.) **(Fre)**

[Clear cell sarcoma of the tendons and aponeuroses. A study of 2 cases using electron microscopy] Choux R, et al. **Sem Hop Paris** 1981 Mar 8–15;57(9–10):479–82 **(Fre)**

[The fine structure of uterine sarcomas (author's transl)] Böcker W. **Pathol Res Pract** 1980;169(2):141–64 (Eng. Abstr.) **(Ger)**

URINE

Development of an enzyme immunoassay to detect and quantitate tumor–associated antigens in the urine of sarcoma patients. Huth JF, et al. **Cancer** 1981 Jun 15; 47(12):2856–61

VETERINARY

Turkey respiratory tract adenoviruses: oncogenic potential in neonatal hamsters (Mesocricetus auratus). Sutjipto S, et al. **Am J Vet Res** 1981 Mar;42(3):487–90

SARCOMA 37

DRUG THERAPY

[Changes in tumor cell sensitivity to the action of triterpene glycosides in liposomes] Popov AM, et al. **Antibiotiki** 1981 Mar;26(3):127–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Inhibition of S37 ascites cell amino acid transport systems by alpha-chloromethylketone analogs. Matthews RH, et al. **Biochim Biophys Acta** 1980 Oct 2;601(3):640–53

PHYSIOPATHOLOGY

[Cell proliferation kinetics in sarcoma 37. I. The changes in the size of the cell and the nucleus over the generative cycle] Kristov K, et al. **Eksp Med Morfol** 1980;19(3):136–41 (Eng. Abstr.) **(Bul)**

SARCOMA 180, CROCKER

ANALYSIS

Isolation of alpha-actinin from sarcoma 180 ascites cells plasma membranes and comparison with smooth muscle alpha-actinin. Yeltman DR, et al. **Biochim Biophys Acta** 1981 Apr 28;668(2):201–8

DRUG THERAPY

Histopathological studies on antitumor effect of sporamycin. Cell-mediated immunity against allogeneic tumor-bearing mice. Kawakubo Y, et al. **Cancer Chemother Pharmacol** 1980 Dec;5(2):113–8

Growth-inhibitory activity of the D-mannan of Saccharomyces cerevisiae X2180-1A-5 mutant strain against mouse-implanted sarcoma 180 and Ehrlich-carcinoma solid tumor. Matsumoto T, et al. **Carbohydr Res** 1980 Aug 15;83(2):363–70

Effect of chondroitin sulfate A in combination therapy with mitomycin C on sarcoma 180 ascites tumor. Mikami T, et al. **Chem Pharm Bull (Tokyo)** 1980 Oct;28(10):3121–3

Cytotoxic & radiosensitizing effects of chlorpromazine hydrochloride in sarcoma 180A. Shenoy MA, et al. **Indian J Exp Biol** 1980 Aug;18(8):791–5

Lectin derivatives of methotrexate and chlorambucil as chemotherapeutic agents. Lin JY, et al. **JNCI** 1981 Mar; 66(3):523–8

[5'-deoxy-5-fluoruridine, a new antineoplastic pyrimidine antimetabolite] Hartmann HR, et al. **Schweiz Med Wochenschr** 1980 Jul 8;110(27–28):1078–80 (Eng. Abstr.) **(Ger)**

[Antineoplastic activity in mice of 4,4'-(2-methyl-1,4-piperazinodiyl)bis-(4-oxo)-propanyl-1 acid diethyl ester] Graczyk J, et al. **Acta Pol Pharm** 1980; 37(2):249–54 (Eng. Abstr.) **(Pol)**

[The principle of tumor chemotherapy, studied by the transformation of tumor cells into anaerobic cells, resistant to active oxygen] Petrovskii BV, et al. **Dokl Akad Nauk SSSR** 1981;256(5):1273–7 **(Rus)**

ENZYMOLOGY

5'-Methylthioadenosine phosphorylase-L. Substrate activity of 5'-deoxyadenosine with the enzyme from Sarcoma 180 cells. Savarese TM, et al. **Biochem Pharmacol** 1981 Feb 1;30(3):189–99

Enzyme content of hepatocellular lysosomes in the liver of the tumour-bearing mouse. Ghadially FN, et al. **Br J Exp Pathol** 1980 Oct;61(5):528–33

Inhibition of DNA-dependent RNA polymerase from sarcoma-180 ascites tumour cells by DNA-binding antitumor antibiotics. Chowdhury K, et al. **Indian J Med Res** 1981 Jan;73:90–5

FAMILIAL & GENETIC

Chromosome analysis with special reference to centromeric heterochromatin and ploidy variation in mouse sarcoma-180 cells. Chakrabarti A, et al. **Cytologia (Tokyo)** 1980 Jun;45(1-2):177–84

IMMUNOLOGY

T-cell-independent activation of macrophages by viable BCG in tumor-bearing mice. Matsuo K, et al. **Cell Immunol** 1981 Jan 15;57(2):293–306

Enhancement of immunogenicity of tumor cells by modification of cell surface with acridine dyes. Chakraborty NG, et al. **Indian J Exp Biol** 1980 Sep; 18(9):927–30

Role of delayed hypersensitivity and cytostatic macrophages in the rejection of an allo-transplantable murine tumor. Tomita Y, et al. **Oncology** 1981;38(5):301–6

[Studies on immune response of experimental tumors—observations on the immune response of lymph nodes of mice bearing implanted Ehrlich ascitic tumor or sarcoma 180 (author's transl)] Chen QF, et al. **Chung Hua Chung Liu Tsa Chih** 1980 Sep;2(3):193–6 (Eng. Abstr.) **(Chi)**

METABOLISM

Effects of the bioreductive alkylating agent 2,3-bis(chloromethyl)-1,4-naphthoquinone on coupled mitochondria isolated from sarcoma 180 ascites cells. Biagini RE, et al. **Cancer Biochem Biophys** 1979;3(3):129–34

Tissue distribution of 5'-deoxy-5-fluorouridine and derived 5-fluorouracil in tumor-bearing mice and rats. Suzuki S, et al. **Gan** 1980 Apr;71(2):238–45

Metabolic fate on 1-hexylcarbamoyl-5-fluorouracil and 5-fluorouracil in mice bearing ascites sarcoma 180. Iigo M, et al. **JNCI** 1981 Feb;66(2):345–9

Specific positional distribution of acyl moieties in phospholipids is not generally deleted in neoplastic cells. Weber N, et al. **Z Naturforsch [C]** 1981 Jan-Feb; 36(1-2):81–3

[Determination of alpha-ketoacid content by separation on a thin layer of silica gel] Lisniak IA. **Ukr Biokhim Zh** 1981 Jan-Feb;53(1):111–3 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Changes in fatty acyl chains of phospholipids induced by interferon in mouse sarcoma S-180 cells. Chandrabose K, et al. **Biochem Biophys Res Commun** 1981 Feb 12; 98(3):661–8

Effect of Streptococcus faecalis on growth of sarcoma-180 tumours: bacterial adherence on tumour cell membrane & changes in its dye absorption properties. Ray PK, et al. **Indian J Exp Biol** 1980 Aug;18(8):783–6

PREVENTION & CONTROL

Action of three species of Propionibacteria (P. granulosum, P. acnes, P. avidum) on experimental tumor systems in mice. Roszkowski W, et al. **Zentralbl Bakteriol [A]** 1980 Mar;246(3):405–14

SECRETION

S-180 cells secrete nerve growth factor protein similar to 7S-nerve growth factor. Barklis E, et al. **J Neurosci Res** 1981;6(1):21–36

THERAPY

Experimental animal tumor immunotherapy with bacterial polysaccharide. Zhao JQ, et al. **Chin Med J [Engl]** 1981 Jun;94(6):375–8

Optimal conditions for antitumor activity of C. parvum against the ascites form of sarcoma 180. Megirian R, et al. **J Immunopharmacol** 1980;2(1):99–112

Inhibitory effects of Candida albicans extracellular polysaccharides on mouse sarcoma 180. Saltarelli CG, et al. **J Surg Oncol** 1980;15(1):99–106

SARCOMA, EWING'S

Bone induction by Ewing's sarcoma. Transplantation into athymic nude mice. Bauer FC, et al. **Arch Pathol Lab Med** 1981 Jun;105(6):322–4

COMPLICATIONS

Progressive facial hemiatrophy. Report of a case associated with Ewing's sarcoma. Paradise JE, et al. **Am J Dis Child** 1980 Nov;134(11):1065–7

DIAGNOSIS

Ewing's-like sarcoma appearing as a primary pulmonary neoplasm [letter] Palmer RN, et al. **Arch Pathol Lab Med** 1981 May;105(5):277–8

Ewing's sarcoma (a review of 195 cases). Campanacci M, et al. **Ital J Orthop Traumatol** 1979 Dec;5(3):293–301

Ewing's sarcoma of the calcaneus. Levin NB. **J Foot Surg** 1980 Fall;19(3):127–9

[Acute cardiac failure caused by myocardial metastasis of an unrecognized Ewing sarcoma] Larbre F, et al. **Pediatrie** 1981 Mar;36(2):135–40 (Eng. Abstr.) **(Fre)**

[Ultrastructural diagnosis of Ewing's sarcoma] Pizzoli G, et al. **Arch Sci Med (Torino)** 1980 Jul-Sep;137(3):477–84 (Eng. Abstr.) **(Ita)**

DRUG THERAPY

Ewing's sarcoma: ten-year experience with adjuvant chemotherapy. Rosen G, et al. **Cancer** 1981 May 1; 47(9):2204–13

Local control of Ewing's sarcoma of bone with radiotherapy and combination chemotherapy. Tepper J, et al. **Cancer** 1980 Nov 1;46(9):1969–73

Tolerance to single-dose dactinomycin in combination chemotherapy for solid tumors. Blatt J, et al. **Cancer Treat Rep** 1981 Jan-Feb;65(1-2):145–7

Treatment of Ewing's sarcoma with high-dose melphalan and autologous bone marrow transplantation. Cornbleet MA, et al. **Cancer Treat Rep** 1981 Mar-Apr;65(3-4):241–4

[Supportive care for patients receiving CESS 81 chemotherapy for Ewing's sarcoma (author's transl)] Göbel U. **Klin Padiatr** 1981 May;193(3):245–50 (Eng. Abstr.) **(Ger)**

[Treatment of Ewing's sarcoma in children and adolescents: a cooperative study of the German society of pediatric oncology (author's transl)] Jürgens H. **Klin Padiatr** 1981 May;193(3):254–7 (Eng. Abstr.) **(Ger)**

[On the chemotherapy of Ewing's sarcoma (author's transl)] Winkler K, et al. **Klin Padiatr** 1981 May;193(3):239–42 (Eng. Abstr.) **(Ger)**

[Changes in the T- and B-lymphocyte ratio in bone sarcoma patients before and after carminomycin treatment] Vatin AE, et al. **Antibiotiki** 1980 Nov;25(11):864–7 (Eng. Abstr.) **(Rus)**

[Effects of certain chemopreparations on transplantable strains of human tumors, melanoma and Ewing sarcoma, obtained from tissue cultures] Revazova ES. **Vestn Akad Med Nauk SSSR** 1980;(12):81–4 **(Rus)**

ETIOLOGY

Ewing's sarcoma of the hand following recurrent trauma; a case report. Dreyfuss UY, et al. **Hand** 1980 Oct; 12(3):300–3

IMMUNOLOGY

Distribution of HLA antigens in patients with Ewing's sarcoma. Chan KW, et al. **Tissue Antigens** 1980 Oct; 16(4):314–6

PATHOLOGY

Extraskeletal Ewing's sarcoma arising in the nasal fossa. Light- and electron-microscopic observations. Pontius KI, et al. **Am J Clin Pathol** 1981 Mar;75(3):410–5

Extra - skeletal Ewing's sarcoma of perineal region. Hayath MS, et al. **Indian J Cancer** 1980 Jun;17(2):124–6

Ewing's sarcoma with diffuse involvement of the bone marrow (report of two cases). Laus M. **Ital J Orthop Traumatol** 1978 Dec;4(3):359–67

Lumbar epidural Ewing sarcoma. Light and electron microscopic investigation. Simonati A, et al. **J Neurol** 1981; 225(1):67–72

Malignant tumor of humerus with features of 'adamantinoma' and Ewing's sarcoma. Meister P, et al. **Pathol Res Pract** 1979;166(1):112–22

Collateral venous flow through uterus caused by retroperitoneal extraosseous Ewing sarcoma. Blight EM Jr, et al. **Urology** 1981 Apr;17(4):386–9

[On the histopathological problems and diagnosis of Ewing's sarcoma (author's transl)] Remagen W, et al. **Klin Padiatr** 1981 May;193(3):251–3 (Eng. Abstr.) **(Ger)**

[Extraskeletal localization of Ewing's sarcoma] Poroshin KK, et al. **Arkh Patol** 1980;42(9):58–60 **(Rus)**

RADIOGRAPHY

Interesting nuclear medicine and computed tomography (CT) scans. Blei L. **J Am Med Wom Assoc** 1980 Nov; 35(11):274–5

Late metastasis fro neuroblastoma mimicking Ewing's sarcoma. Tesoro Tess JD, et al. **Pediatr Radiol** 1980 Nov; 10(2):107–9

Renal displacement caused by a supradiaphragmatic, paraspinal Ewing-like sarcoma and simulating an adrenal mass. Currarino G, et al. **Radiology** 1981 Jun;139(3):603–7

RADIONUCLIDE IMAGING

Interesting nuclear medicine and computed tomography (CT) scans. Blei L. **J Am Med Wom Assoc** 1980 Nov; 35(11):274–5

RADIOTHERAPY

Leg function after radiotherapy for Ewing's sarcoma. Jentzsch K, et al. **Cancer** 1981 Mar 15;47(6):1267–78

Radiotherapy and combination chemotherapy in advanced Ewing's Sarcoma-Intergroup study. Pilepich MV, et al. **Cancer** 1981 Apr 15;47(8):1930–6

Local control of Ewing's sarcoma of bone with radiotherapy and combination chemotherapy. Tepper J, et al. **Cancer** 1980 Nov 1;46(9):1969–73

Ewing's sarcoma: A combined approach in the management. Pant GC, et al. **Clin Radiol** 1981 Jul;32(4):471–4

A story of continuing success-radiotherapy for Ewing's sarcoma. Donaldson SS. **Int J Radiat Oncol Biol Phys** 1981 Feb;7(2):279–81

The role of radiation therapy in the management of non-metastatic Ewing's sarcoma of bone. Report of the Intergroup Ewing's Sarcoma Study. Perez CA, et al. **Int J Radiat Oncol Biol Phys** 1981 Feb;7(2):141–9

Ewing's sarcoma of the vertebral column. Pilepich MV, et al. **Int J Radiat Oncol Biol Phys** 1981 Jan;7(1):27–31

Treatment of Ewing's sarcoma with radiation therapy. Tefft M. **Int J Radiat Oncol Biol Phys** 1981 Feb;7(2):277–8

SECONDARY

Ewing's tumor metastatic to the clivus, simulating meningitis: case report. Turner JL, et al. **Neurosurgery** 1980 Dec; 7(6):619–20

SURGERY

Radical en bloc excision of Ewing's sarcoma. Marcove RC, et al. **Clin Orthop** 1980 Nov-Dec;(153):86–91

Indications for surgical treatment of localized Ewing's sarcoma of bone. Pritchard DJ. **Clin Orthop** 1980 Nov-Dec;(153):39–43

Survival and pulmonary function following chest wall resection and reconstruction in children. Malangoni MA, et al. **J Pediatr Surg** 1980 Dec;15(6):906–12

Extraskeletal Ewing's sarcoma: prolonged survival with recurrence after operation. Covelli HD, et al. **South Med J** 1980 Sep;73(9):1294–5

[Surgical Treatment of Ewing's sarcoma (author's transl)] Winkelmann W. **Klin Padiatr** 1981 May;193(3):243–4 (Eng. Abstr.) **(Ger)**

THERAPY

Result of attempted hematopoietic reconstitution using isologous, peripheral blood mononuclear cells: a case report. Abrams RA, et al. **Blood** 1980 Sep;56(3):516–20

Therapy of osteosarcoma and Ewing's sarcoma. Pritchard DC. **Ital J Orthop Traumatol** 1980 Dec;6(3):433–4

[Malignant bone tumors in children (author's transl)] Schweisguth O. **Ann Pediatr (Paris)** 1981 Apr;28(4):229–35 (Eng. Abstr.) **(Fre)**

[Acute myeloblastic leukaemia following Ewing's sarcoma: iatrogenic complication? (author's transl)] Garand R, et al. **Bull Cancer (Paris)** 1981;68(1):25–31 (Eng. Abstr.) **(Fre)**

[Comprehensive treatment of Ewing's sarcoma, reticulosarcoma and solitary myeloma] Tolstopiatov BA, et al. **Vrach Delo** 1980 Jul;(7):73–6 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Ultrastructure of one Ewing's sarcoma of bone with endothelial character and a comparative review of the vessels in 27 cases of typical Ewing's sarcoma. Llombart-Bosch A, et al. **Pathol Res Pract** 1980; 167(1):71–87

SARCOMA, EXPERIMENTAL

ANALYSIS

Purification and characterization of a lipolytic factor (toxohormone-L) from cell-free fluid of ascites sarcoma 180. Masuno H, et al. **Cancer Res** 1981 Jan;41(1):284–8

Characterization of pepsin fragments of laminin in a tumor basement membrane. Evidence for the existence of related proteins. Rohde H, et al.
Hoppe Seylers Z Physiol Chem 1980 Nov;361(11):1651–60

[Phospholipid composition of mitochondria and microsomes from some transplantable rat tumors] Timofeeva NG, et al. **Biokhimiia** 1981 Jan;46(1):11–5 (Eng. Abstr.) **(Rus)**

BLOOD

Procoagulant activity of sarcoma sublines with different metastatic potential. Colucci M, et al. **Blood** 1981 Apr; 57(4):733–5

Circulating immunoreactive and bioassayable opsonic plasma fibronectin during experimental tumour growth. Saba TM, et al. **Br J Cancer** 1980 Jun;41(6):956–65

Blood coagulation changes in JW sarcoma, a new metastasizing tumour in mice. Chmielewska J, et al.
Eur J Cancer 1980 Nov;16(11):1399–1407

Reproducibility of serum haptoglobin profiles in mice with transplanted tumors. Palmer WG, et al. **Oncology** 1981; 38(2):116–20

BLOOD SUPPLY

Intratumor distribution of blood flow and of vascular volume in a transplantable rat sarcoma. Karlsson L, et al.
J Cancer Res Clin Oncol 1980;98(3):213–9

CHEMICALLY INDUCED

[Experimental studies of Polish physicians on the carcinogenic effect of coal tar and its derivatives (before 1939)] Supady J. **Pol Tyg Lek** 1981 Mar 2;36(9):357–9 **(Pol)**

[Effect of nitrosoethylurea on sarcomagenesis induced by a foreign body] Shabad LM, et al. **Biull Eksp Biol Med** 1980 Dec;90(12):715–7 (Eng. Abstr.) **(Rus)**

[Stimulating action of estradiol dipropionate on uterine sarcomagenesis induced by 1,2-dimethylhydrazine in mice] Turusov VS, et al. **Biull Eksp Biol Med** 1980 Nov; 90(11):599–600 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Lactate dehydrogenase virus infection of murine tumors: no effect on response to chemotherapy [letter] Kaye SB, et al. **Cancer Treat Rep** 1980 Oct-Nov;64(10–11):1161–2

DRUG THERAPY

Antiviral and cell multiplication inhibitory activities of mouse interferon poreparations tested on an interferon sensitive murine sarcoma cell line. Degré M.
Acta Pathol Microbiol Scand [B] 1980 Aug;88(4):219–23

Effect of calcitonin on metastasis formation by experimental tumors. Anghileri LJ, et al. **Arch Geschwulstforsch** 1980; 50(2):105–10

Tumour growth inhibition by calcitonin: role of the age of the animal and the hypocalcemic response. Anghileri LJ, et al. **Arch Geschwulstforsch** 1980;50(7):635–9

Differential effects of aphidicolin on replicative DNA synthesis and unscheduled DNA synthesis in permeable mouse sarcoma cells. Seki S, et al.
Biochim Biophys Acta 1980 Dec 11;610(2):413–20

Combination therapy of a mouse sarcoma using razoxane and electron irradiation. Grimshaw MB, et al. **Br J Cancer** 1981 Jul;44(1):117–23

Cytotoxicity of adriamycin to tumour cells in vivo and in vitro. Martin WM, et al. **Br J Cancer** 1980 Dec;42(6):881–9

In vivo response of KHT sarcomas to combination chemotherapy with radiosensitizers and BCNU. Mulcahy RT, et al. **Br J Cancer** 1981 Jan;43(1):93–9

In vivo combination of misonidazole and the chemotherapeutic agent CCNU. Siemann DW.
Br J Cancer 1981 Mar;43(3):367–77

Modification of tumour and host response to cyclophosphamide by misonidazole and by WR 2721. Twentyman PR. **Br J Cancer** 1981 Jun;43(6):745–55

Comparative physico-chemical properties, biological effects, and disposition in mice of four nitrogen mustards. Godenèche D, et al. **Cancer Chemother Pharmacol** 1980 Nov;5(1):1–9

Effect of desacetyl vinblastine amide (DVA) against human sarcomas heterotransplanted in nude mice. Sordillo PP, et al. **Cancer Clin Trials** 1980;3(4):391–4

Kinetic effects of sangivamycin in sarcoma 180 in vitro. Ritch PS, et al. **Cancer Res** 1981 May;41(5):1784–8

Selective delivery of liposome-associated cis-dichlorodiammineplatinum(II) by heat and its influence on tumor drug uptake and growth. Yatvin MB, et al.
Cancer Res 1981 May;41(5):1602–7

Action of demecolcine (colcemid) in the murine sarcoma 180 tumor. Nomura T, et al. **Cancer Treat Rep** 1981 Mar-Apr; 65(3–4):283–90

Actinomycin D absorbed on polymethylcyanoacrylate nanoparticles: increased efficiency against an experimental tumor. Brasseur F, et al. **Eur J Cancer** 1980 Nov; 16(11):1441–5

Effect of defibrination with batroxobin on growth and metastasis of JW sarcoma in mice. Chmielewska J, et al. **Eur J Cancer** 1980 Jul;16(7):919–23

Antimacrophage agents decrease the antitumor effect of a water-soluble carboxymethylated (1 leads to 3)-beta-D-glucan. Sasaki T, et al. **Eur J Cancer** 1980 Sep; 16(9):1271–3

In vivo tumor response to single and multiple exposures of adriamycin. Siemann DW, et al. **Eur J Cancer** 1980 Nov; 16(11):1433–40

Inhibition of endogenous murine retrovirus expression by L-beta-3,4-dihydroxyphenylalanine (L-dopa) methyl ester. Suk WA, et al. **Int J Cancer** 1981 Jan 15;27(1):37–43

Antitumor effects of doxorubicin against a virally-induced rat osteosarcoma with minimal immunosuppression. Kempf RA, et al. **J Immunopharmacol** 1980;2(4):509–25

Synthetic nucleosides and nucleotides. XIV. Facile synthesis and antitumor activities of 6-mercaptopurine 2'-deoxyriboside and related compounds. Saneyoshi M, et al. **J Pharmacobiodyn** 1980 Feb;3(2):105–10

Augmentation of specific cell-mediated immune responses to tumor cells in tumor-bearing rats pretreated with the antileukemia drug busulfan. Mizushima Y, et al. **JNCI** 1981 Apr;66(4):659–65

Mechanism of the development of resistance to mitomycin C in Hirosaki sarcoma. Usubuchi I, et al.
Tohoku J Exp Med 1980 Oct;132(2):237–8

ENZYMOLOGY

Partial purification and characterization of a neutral protease which cleaves type IV collagen. Liotta LA, et al.
Biochemistry 1981 Jan 6;20(1):100–4

Activities of enzymes involved in the metabolism of ether-linked lipids in normal and neoplastic tissues of rat. Lee TC, et al. **Biochim Biophys Acta** 1980 Aug 11; 619(2):420–3

1,25-Dihydroxyvitamin D3 stimulates the alkaline phosphatase activity of osteoblast-like cells. Manolagas SC, et al. **J Biol Chem** 1981 Jul 25;256(14):7115–7

[Properties of 6-phosphogluconate dehydrogenase from livers of healthy and neoplastic rats] Gorach ZV, et al. **Biokhimiia** 1980 Jul;45(7):1226–32 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Transformation of cultured rat ovarian surface epithelial cells by Kirsten murine sarcoma virus. Adams AT, et al.
Cancer Res 1981 Jun;41(6):2063–72

Natural killer cells infiltrate transplanted chemically induced sarcomas. Flannery GR, et al. **Cell Immunol** 1981 Jun; 61(1):1–10

Malignant bone tumours induced by a local injection of colloidal radioactive 144Cerium in rats as a model for human osteosarcomas. Allouche M, et al. **Int J Cancer** 1980 Dec 15;26(6):777–82

Chemical enhancement of tumor immunogenicity. Eggers AE, et al. **J Immunol** 1980 Oct;125(4):1737–44

FAMILIAL & GENETIC

Loss of tumorigenicity correlates with a reduction in pp60src kinase activity in a revertant subclone of avian sarcoma virus-infected field vole cells. Lau AF, et al. **Cell** 1981 Mar;23(3):815–23

Characterization of the src gene of a Rous sarcoma virus mutant temperature-sensitive for cell transformation. Darlix JL, et al. **Cold Spring Harbor Symp Quant Biol** 1980; 44(Pt 2):843–7

Moloney murine sarcoma virions contain subgenome-length mRNA-like molecules that direct the synthesis of sarcoma-specific polypeptides in vitro. Dina D, et al.
Cold Spring Harbor Symp Quant Biol 1980;44(Pt 2):901–5

Studies on the structure and function of the avian sarcoma virus transforming-gene product. Hunter T, et al.
Cold Spring Harbor Symp Quant Biol 1980;44(Pt 2):931–41

Activities of the src-gene product of avian sarcoma virus. Maness PF, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):949–58

Comparative analysis of cellular and viral sequences related to sarcomagenic cell transformation. Wang LH, et al.
Cold Spring Harbor Symp Quant Biol 1980;44(Pt 2):755–64

Molecular events in cells transformed by Rous Sarcoma virus. Erikson RL, et al. **J Cell Biol** 1980 NOV;87(2 Pt 1):319–25 (62 ref.)

Characterization of genetic defects in macrophage tumoricidal capacity: identification of murine strains with abnormalities in secretion of cytolytic factors and ability to bind neoplastic targets. Adams DO, et al. **J Immunol** 1981 May;126(5):1843–7

Unifected avian cells contain structurally unrelated progenitors of viral sarcoma genes. Yoshida M, et al.
Nature 1980 Oct 16;287(5783):653–4

Rous sarcoma virus infection of synchronized cells establishes provirus integration during S-phase DNA synthesis prior to cellular division. Humphries EH, et al.
Proc Natl Acad Sci USA 1981 Apr;78(4):2601–5

Transforming gene product of avian sarcoma viruses and its homolog in uninfected cells. Erikson RL, et al.
Prog Clin Biol Res 1980;41:747–56

Infection of rat cells by avian sarcoma virus: factors affecting transformation and subsequent reversion. Wyke JA, et al.
Virology 1980 Oct 30;106(2):217–33

IMMUNOLOGY

The role of T cell sets in the rejection of a methylcholanthrene-induced sarcoma (S1509a) in syngeneic mice. Bhan AK, et al. **Am J Pathol** 1981 Jan; 102(1):20–7

The chemotactic response of tumor cells. A model for cancer metastasis. Lam WC, et al. **Am J Pathol** 1981 Jul; 104(1):69–76

Comparison of the chemotactic responsiveness of two fibrosarcoma subpopulations of differing malignancy. Orr FW, et al. **Am J Pathol** 1981 Feb;102(2):160–7

The induction of immunoblastic T cell sarcomas by virus-transformed prothymocytes. Reinisch CL, et al.
Am J Pathol 1980 Nov;101(2):265–82

Tumors induced by progressor sarcoma virus (Moloney) in mice: growth in the presence of an immune response and isolation of autonomously growing cells. Weiland E, et al.
Arch Virol 1980;66(1):1–10

In vitro demonstration of in situ autologous tumour-cell cytotoxicity in MSV-induced tumours in A/SN mice. Becker S, et al. **Br J Cancer** 1981 Mar;43(3):284–93

Immune responses to naturally occurring rat sarcomas. Embleton MJ, et al. **Br J Cancer** 1981 Jan;43(1):44–52

Immunogenic properties of soluble cytosol fractions on Meth A sarcoma cells. DuBois GC, et al. **Cancer Res** 1980 Nov; 40(11):4204–8

Effect of Nocardia rubra cell wall skeleton on T-cell-mediated cytotoxicity in mice bearing syngeneic sarcoma. Kawase I, et al. **Cancer Res** 1981 Feb;41(2):660–6

Induction of resistance to ascites tumor in mice with MFS-180 cells treated with glutaraldehyde, lipopolysaccharide, and concanavalin A. Nerkar DP, et al. **Cancer Res** 1981 Jul;41(7):2922–4

Lysozyme enhancement of tumor cell immunoprotection in a murine fibrosarcoma. Warren JS, et al. **Cancer Res** 1981 May;41(5):1642–5

Transient lysozymuria during sarcoma I tumor rejection. Bordin S, et al. **Cell Immunol** 1980 Aug 15;54(1):87–97

Adherent cells (macrophages?) in tumor-bearing mice suppress MLC responses. Garrigues HJ, et al.
Cell Immunol 1981 May 1;60(1):109–18

Macrophage-like suppressor cells in rats. II. Evidence for a quantitative rather than a qualitative change in tumour-bearer animals. Webb PJ, et al. **Cell Immunol** 1980 Jul 1;52(2):381–94

Progressing Moloney sarcoma virus (M-MSV) induced tumors: effect of host's immunomanipulation. Collavo D, et al. **Cell Mol Biol** 1980;26(2):155–8

Migration of null lymphocytes to murine sarcoma virus-induced tumors. Schwartz JL, et al.
Clin Immunol Immunopathol 1981 Jul;20(1):74–86

Immunologic reactivity of lymphoid cells in tumors. Herberman RB, et al. **Contemp Top Immunobiol** 1980; 10:61–78

Intratumor host cells of experimental rat neoplasms: characterization and effector function. Moore M, et al.
Contemp Top Immunobiol 1980;10:109–42

T cell-mediated immunity to oncornavirus-induced tumors. III. Specific and nonspecific suppression in tumor-bearing mice. Plater C, et al. **Eur J Immunol** 1981 Jan;11(1):39–44

Original H-2d and alien H-2k-like antigens of a BALB/c fibrosarcoma as defined by in vitro and in vivo studies of cell-mediated immunity. Sensi M, et al. **Eur J Immunol** 1980 Sep;10(9):671–8

An examination of the macrophage response after challenge with murine, syngeneic sarcoma cells. Thornthwaite JT, et al. **Exp Mol Pathol** 1980 Oct;33(2):169–84

Immunomodulation by the new synthetic compound BM 12.531, 2-[2-cyanaziridinyl-(1)]-[2-carbamoylaziridinyl-(1)]-prop (azimexone). Luckenbach GA, et al. **Exp Pathol** 1981; 19(1):37–48

Inhibitory effect of Propionibacterium acnes on the growth

on syngeneic tumor transplants in nude mice. Katahira SI, et al. **Fukushima J Med Sci** 1979;26(3-4):93-9

Quantitative studies of natural immunity to solid tumours in rats. The nature of the killer cell depends on the type of assay. Brooks CG, et al. **Immunology** 1980 Nov; 41(3):673-80

The heterogenization of tumour cells with tuberculin. I. The coupling of tuberculin to cell surfaces using con-A as ligand. Lachmann PJ, et al. **Immunology** 1981 Feb; 42(2):329-36

Effect of immunization of mice with syngeneic embryos on their ability to inhibit the growth of a challenging fibrosarcoma. Ray PK, et al. **Indian J Exp Biol** 1980 Sep; 18(9):1027-9

The influence of the lipid composition of the feed given to mice on the immunocompetence and tumour resistance of the progeny. Boeryd B, et al. **Int J Cancer** 1980 Aug; 26(2):241-6

Lymphocytes that mediate systemic resistance to in vivo growth of a carcinogen-induced syngeneic tumor. Crum ED. **Int J Cancer** 1980 Jul 15;26(1):53-60

Macrophage content and immunogenicity of C57BL/6J and BALB/cByJ methylcholanthrene-induced sarcomas. Evans R, et al. **Int J Cancer** 1980 Dec 15;26(6):831-5

Effect of lentinan on the production of migration inhibitory factor induced by syngeneic tumor in mice. Zákány J, et al. **Int J Cancer** 1980 Dec 15;26(6):783-8

The biology, pathology and immunology of a virus induced rat osteosarcoma. II. Immunological studies. Czitrom AA, et al. **Int Orthop** 1980;4(3):167-75

The search for an influence of whole-body microwave hyperthermia on anti-tumor immunity. Roszkowski W, et al. **J Cancer Res Clin Oncol** 1980;96(3):311-7

Immunogenic variants obtained by mutagenesis of mouse mastocytoma P815. II. T lymphocyte-mediated cytolysis. Boon T, et al. **J Exp Med** 1980 Nov 1;152(5):1184-93

Elimination of syngeneic sarcomas in rats by a subset of T lymphocytes. Fernandez-Cruz E, et al. **J Exp Med** 1980 Oct 1;152(4):823-41

Immunogenic variants obtained by mutagenesis of mouse mastocytoma P815. I. Rejection by syngeneic mice. Uyttenhove C, et al. **J Exp Med** 1980 Nov 1;152(5):1175-83

The role of transmethylation reactions in regulating the binding of BCG-activated murine macrophages to neoplastic target cells. Adams DO, et al. **J Immunol** 1981 Jul;127(1):225-30

Macrophage accumulation in murine ascites tumors. I. Cytoxan-induced dominance of macrophages over tumor cells and the anti-tumor effect of endotoxin. Dye ES, et al. **J Immunol** 1980 Oct;125(4):1650-7

Lysis of human solid tumors by autologous cells sensitized in vitro to alloantigens. Strausser JL, et al. **J Immunol** 1981 Jul;127(1):266-71

Defective cytotoxic T-cell generation in Moloney murine sarcoma virus-infected A/Sn mice. Becker S, et al. **JNCI** 1980 Oct;65(4):811-6

Induced resistance in normal mice and growth enhancement in tumor-bearing mice by inoculation with syngeneic hybrid cells. Dei T, et al. **JNCI** 1980 Oct;65(4):739-49

Systemic and in situ natural killer activity in C57BL/6N and CBA/N mice bearing murine sarcoma virus-induced regressor tumors. Gerson JM, et al. **JNCI** 1980 Nov; 65(5):905-7

Macrophages and resistance to tumors. IV. Influence of age on susceptibility of mice to anti-inflammatory and antimacrophage effects of tumor cell products. Nelson M, et al. **JNCI** 1980 Oct;65(4):781-9

Lectin potentiation of BCG-contact-mediated antitumor action. Poduval TB, et al. **JNCI** 1980 Nov;65(5):909-12

The correlation of susceptibility of different Propionibacterium strains to macrophage killing and antitumor activity. Roszkowski W, et al. **Med Microbiol Immunol (Berl)** 1980;169(1):1-8

Tumour-associated antigens of the mouse P-815 mastocytoma cell: evidence for an antigen with H-2-like characteristics. Clemetson KJ, et al. **Mol Immunol** 1981 Feb;18(2):135-41

Immunocompetence of splenocytes from mice bearing different-aged tumors assessed in lymphocyte-induced angiogenesis assay. Kamiński MJ, et al. **Neoplasma** 1980; 27(4):363-6

Comparison of LAI reactivity in B 77 tumor bearing rats between, before and after surgical removal of tumors. Pham Manh Hung, et al. **Neoplasma** 1980;27(4):367-71

Immunogenicity of methylcholanthrene-induced tumors tested by draining lymph node assay in syngeneic rats. Ryżewska AG, et al. **Neoplasma** 1980;27(5):533-42

Suppression of the leukocyte adherence inhibition response to murine-sarcoma-virus-induced tumors by tumor-associated suppressor cells. Mortensen RF, et al. **Oncology** 1980;37(6):406-10

Syngeneic tumor cells can induce alloreactive T killer cells: a biological role for transplantation antigens. Schirrmacher V, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5409-13

Influence of glucocorticoids on the cellular immune response evoked by an experimental sarcoma in rats. Husberg B, et al. **Scand J Urol Nephrol [Suppl]** 1980;54:129-31

Antigen(s) expressed on cultured cells of various species that crossreact with tumor antigens(s). Berczi I, et al. **Tissue Antigens** 1980 Sep;16(3):260-4

Cross-immunity among allogeneic tumors in rats immunized with gamma-irradiated ascites tumors. Sato T, et al. **Tohoku J Exp Med** 1980 Aug;131(4):387-91

Immunogenetic control of metastasis formation by a methylcholanthrene-induced tumor (T10) in mice: differential expression of H-2 gene products. Katzav S, et al. **Transplant Proc** 1981 Mar;13(1 Pt 2):742-6

[Demonstration and characterization of tumor-associated antigenic components from cell membranes of a UV-induced murine sarcoma using the MEM technic] Ristau E, et al. **Acta Biol Med Ger** 1980;39(2-3):315-25 (Eng. Abstr.) **(Ger)**

[Studies on the immuno-suppressive effects of adriamycin and tumor metastasis (author's transl)] Chang S, et al. **Nippon Seikeigeka Gakkai Zasshi** 1980 Jul;54(7):677-84 (Eng. Abstr.) **(Jpn)**

[Studies on the suppressor cells acting on the mitogen-induced blastogenesis in tumor-bearing hosts. I. Suppressor cells in the spleens and peripheral blood of tumor-bearing rats (author's transl)] Takami M. **Nippon Seikeigeka Gakkai Zasshi** 1980 Nov;54(11):1553-62 (Eng. Abstr.) **(Jpn)**

[Increased immunologic reactivity against hepatoma 22A cells in MTV-infected C3H mice in comparison to MTV-free mice] Lavrovskiĭ VA, et al. **Biull Eksp Biol Med** 1980 Oct;90(10):467-9 (Eng. Abstr.) **(Rus)**

[Antitumor resistance of the body in arterial hypertension] Rudenko FV. **Vopr Onkol** 1980;26(11):104-5 **(Rus)**

METABOLISM

Regulation of chondrosarcoma metabolism by cyclic adenosine 3'5'-monophosphate. McCumbee WD, et al. **Am J Physiol** 1980 Sep;239(3):E201-7

The effect of nitrous oxide-induced vitamin B12 deficiency on in vivo folate metabolism. Steinberg SE, et al. **Biochem Biophys Res Commun** 1981 Feb 27;98(4):983-9

Hydrolysis of uridine diphosphate-N-acetyl-D-glucosamine by normal and malignant cells of the rat. Chow YM, et al. **Br J Cancer** 1980 Dec;42(6):929-32

Metabolic alterations in a noncachectic animal tumor system. Burt ME, et al. **Cancer** 1981 May 1;47(9):2138-46

Kinetics of the acute-phase reaction in rats after tumor transplantation. Abd-el-Fattah M, et al. **Cancer Res** 1981 Jun;41(6):2548-55

Conversion of 6-thioguanine to the nucleoside level by purine nucleoside phosphorylase of sarcoma 180 and sarcoma 180/TG ascites cells. Lee SH, et al. **Cancer Res** 1981 Mar; 41(3):1086-90

Evaluation of anorexia as the cause of altered protein synthesis in skeletal muscles from nongrowing mice with sarcoma. Lundholm K, et al. **Cancer Res** 1981 May; 41(5):1989-96

Biochemical and cytotoxic actions of 3,6-dihydroxy-4,5-dimethylphthalaldehyde in sarcoma 180 cells. Newman EM, et al. **Cancer Res** 1981 May; 41(5):1884-8

A common transformation-related protein in murine sarcomas and leukemias. Jay G, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):659-64

Parathyroid hormone-responsive clonal cell lines from rat osteosarcoma. Majeska RJ, et al. **Endocrinology** 1980 Nov; 107(5):1494-503

Polydispersity of proteoglycans synthesized by chondrocytes from the Swarm rat chondrosarcoma. Fellini SA, et al. **J Biol Chem** 1981 Aug 10;256(15):7883-9

Identification of core protein, an intermediate in proteoglycan biosynthesis in cultured chondrocytes from the Swarm rat chondrosarcoma. Kimura JH, et al. **J Biol Chem** 1981 Aug 10;256(15):7890-7

Glucose disposal and gluconeogenesis from alanine in tumor-bearing Fischer 344 rats. Lowry SF, et al. **JNCI** 1981 Apr;66(4):653-8

Glycosphingolipids of metastatic variant RNA virus-transformed nonproducer Balb/3T3 cell lines: altered metabolism and cell surface exposure. Yogeeswaran G, et al. **JNCI** 1980 Nov;65(5):967-75

Identification of a normal vertebrate cell protein related to the p21 src of Harvey murine sarcoma virus. Langbeheim H, et al. **Virology** 1980 Oct 30;106(2):292-300

[Histochemical and ultrastructural characteristics of sarcomas induced by plastic strips] Eliseev VV, et al. **Vopr Onkol** 1980;26(10):75-9 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

The oncogenic function of mammalian sarcoma viruses. Andersson P. **Adv Cancer Res** 1980;33:109-71 (186 ref.)

Dietary zinc modulation of Moloney sarcoma virus oncogenesis. Beach RS, et al. **Cancer Res** 1981 Feb; 41(2):552-9

Xenotropic virus expression and susceptibility to 3-methylcholanthrene-induced cancer. Nayar KT, et al. **Cancer Res** 1980 Dec;40(12):4364-7

Transforming genes of retroviruses. Duesberg PH. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 1):13-29 (114 ref.)

Transforming protein encoded by the cellular information of recovered avian sarcoma viruses. Karess RE, et al. **Cold Spring Harbor Symp Quant Biol** 1980;44(Pt 2):765-71

Impaired resistance to bacterial infection after tumor implant is traced to lactic dehydrogenase virus. Bonventre PF, et al. **Infect Immun** 1980 Oct;30(1):316-9

Characterization of X-tropic endogenous retrovirus-specific RNA uninfected tissues and lymphosarcoma of BALB/c mice. Mukherjee BB, et al. **J Gen Virol** 1980 Aug; 49(2):411-6

Suppression of bactericidal activity of macrophages in ascites tumors. Spitalny GL. **J Reticuloendothel Soc** 1980 Sep; 28(3):223-35

Rat sarcoma virus: further analysis of individual viral isolates and the gene product. Young HA, et al. **J Virol** 1981 Apr; 38(1):286-93

PATHOLOGY

Responses of mouse spleen morphology to the growth of subcutaneously injected virally transformed cells. Nutter RL, et al. **Anat Rec** 1980 Jul;197(3):363-8

Dependence on exogenous methionine of rat sarcoma and murine leukemia cells in culture. Koziorowska J, et al. **Arch Immunol Ther Exp (Warsz)** 1980;28(5):709-16

Platelet-derived growth-factor requirements for in vitro proliferation of normal and malignant mesenchymal cells. Currie GA. **Br J Cancer** 1981 Mar;43(3):335-43

Tumor heterogeneity and stability of the metastatic phenotype of mouse KHT sarcoma cells. Chambers AF, et al. **Cancer Res** 1981 Apr;41(4):1368-72

Effect of cyclophosphamide or x-rays on spontaneously occurring metastases from tumors transplanted into the tails of mice. Travis EL, et al. **Cancer Res** 1981 May; 41(5):1803-7

Cellular basis for regulation of tumor growth. Evans R. **Contemp Top Immunobiol** 1980;10:255-66

Cellular proliferation in the spleen of DBA/2 mice infected with a myeloproliferative sarcoma virus(MPSV). Smadja-Joffe F, et al. **Exp Hematol** 1981 Feb;9(2):137-48

The biology, pathology and immunology of a virus induced rat osteosarcoma. I. Biological behaviour and histopathology. Czitrom AA, et al. **Int Orthop** 1980; 4(3):157-65

Separation of tumor-seeking small lymphocytes and tumor cells using Percoll velocity gradients. Nethanel T, et al. **J Immunol Methods** 1981;41(1):43-56

Plate-induced tumors of BALB/3T3 cells exhibiting foci of differentiation into pericytes, chondrocytes, and fibroblasts. Boone CW, et al. **J Supramol Struct** 1980;14(2):233-40

Inhibition of tumor size by streptozotocin-induced diabetes mellitus. Sloan GM, et al. **J Surg Res** 1981 May; 30(5):463-72

Horizontal transmission of malignant conditions rediscovered [letter] Goldenberg DM, et al. **N Engl J Med** 1981 Jul 30;305(5):283-4

Respective roles of laminin and fibronectin in adhesion of human carcinoma and sarcoma cells. Vlodavsky I, et al. **Nature** 1981 Jan 22;289(5795):304-6

Correlation between spontaneous metastatic potential, platelet-aggregating activity of cell surface extracts, and cell surface sialylation in 10 metastatic-variant derivatives of a rat renal sarcoma cell line. Pearlstein E, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4336-9

Influence of hypoxia and acidity on thermal radiosensitization and direct heat-induced death of BP-8 sarcoma cells. Mivechi NF, et al. **Radiology** 1981 Feb;138(2):465-71

The role of bone marrow cells in the growth inhibition of transplanted methylcholanthrene-induced sarcoma (MCA). Scuderi P, et al. **Transplant Proc** 1981 Mar;13(1 Pt 2):747-51

Attachment of mouse fibrosarcoma cells to precultured fragments of embryonic chick heart. An early step of invasion in vitro. Mareel MM, et al. **Virchows Arch [Cell Pathol]** 1980;34(1):85-97

[Growth kinetics statistical analysis of chemo-induced carcinomas and sarcomas in mice (author's transl)] Denechaud M, et al. **Bull Cancer (Paris)** 1980;67(2):161-5 (Eng. Abstr.) **(Fre)**

[Changes in the cyclic AMP level in the cells of murine sarcoma induced by monkey adenovirus SA7(C8) during tumor growth enhanced by lymphocytes from intact syngeneic mice] Erkhov VS, et al. **Vopr Onkol** 1980; 26(11):71-3 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Bacterial lipopolysaccharides and mycoplasmal lipoglycans: a comparison between their abilities to induce macrophage-mediated tumor cell killing and Limulus amebocyte lysate clotting. Weinberg JB, et al. **Biochem Biophys Res Commun** 1980 Nov 28;97(2):493-9

Single cell analysis of changes in electrokinetic properties of a growing ascitic tumor. Bischoff P, et al. **Cancer Biochem Biophys** 1979;4(2):79-85

Biological, immunological, and molecular properties of revertants of cat cells transformed by murine sarcoma virus. Fischinger PJ, et al. **Cancer Res** 1981 Mar;41(3):958-65

Sarcoma growth factor: specific binding to and elution from membrane receptors for epidermal growth factor. De Larco JE, et al. **Cold Spring Harbor Symp Quant Biol** 1980; 44(Pt 1):643-9

Identification of carbohydrates and functional groups involved in the adhesion of neoplastic cells. Pippia P, et al. **FEBS Lett** 1980 Jul 28;116(2):281-4

The influence of tumor-bearing on protein metabolism in the rat. Norton JA, et al. **J Surg Res** 1981 May;30(5):456-62

Effects of lithium and cesium salts on sarcoma-I implants in the mouse. Messhia FS, et al. **Neurobehav Toxicol** 1979 Spring;1(1):27-31

PREVENTION & CONTROL

Effect of Pasteurella pneumotropica on the growth of transplanted Walker sarcoma cells. Simpson W, et al. **Br J Cancer** 1980 Sep;42(3):473–76

Antiviral and antineoplastic effect of Carbopol. Luczak M, et al. **Bull Acad Pol Sci [Biol]** 1979;27(10):815–21

Protection of cats against progressive fibrosarcomas and persistent leukemia virus infection by vaccination with feline leukemia cells. Grant CK, et al. **JNCI** 1980 Dec; 65(6):1285–92

Action of three species of Propionibacteria (P. granulosum, P. acnes, P. avidum) on experimental tumor systems in mice. Roszkowski W, et al. **Zentralbl Bakteriol [A]** 1980 Mar;246(3):405–14

RADIOTHERAPY

Tocopherol in irradiation of temporary hypoxic tumours. Kågerud A, et al. **Acta Radiol Oncol Radiat Phys Biol** 1981; 20(1):1–4

Response of an in vivo–in vitro tumour to X-rays and cytotoxic drugs: effect of tumour disaggregation method on cell survival. Rasey JS, et al. **Br J Cancer [Suppl]** 1980 Apr;41(Suppl 4):217–21

A study of the mechanism by which localized preinoculation irradiation enhances the rate of lymphatic spread. Rappaport DS, et al. **Radiat Res** 1980 Sep;83(3):566–78

Combinations of radiation and misonidazole in a murine lung tumor model. Siemann DW, et al. **Radiat Res** 1981 May; 86(2):387–97

[Examination on the synergism of radiation and immune reactions (author's transl)] Becker HD, et al. **Radiobiol Radiother (Berl)** 1980 Feb;21(1):48–54 (Eng. Abstr.) **(Ger)**

[Reoxygenation in a transplantable murine fibrosarcoma (author's transl)] Kummermehr J, et al. **Strahlentherapie** 1981 Apr;157(4):272–6 (Eng. Abstr.) **(Ger)**

[Changes in zinc content of lysosomes and lysosomal membranes of tumor tissue following exposure to radiation] Andronikashvili EL, et al. **Dokl Akad Nauk SSSR** 1980; 253(3):735–6 **(Rus)**

[Effect of local hyperthermia and irradiation on animal tumors] Svetitskii PV. **Med Radiol (Mosk)** 1981 May; 26(5):32–6 (Eng. Abstr.) **(Rus)**

[Biochemical blood serum indices after the combined effect of UHF hyperthermy and x-ray radiation on animal tumors] Ul'ianenko SE, et al. **Med Radiol (Mosk)** 1981 May; 26(5):29–32 (Eng. Abstr.) **(Rus)**

SECONDARY

Characterization of tumor lines derived from spontaneous metastases of a transplanted murine sarcoma. Mantovani A, et al. **Eur J Cancer** 1981 Jan;17(1):71–6

Modulation of lung tumor colony formation by a subcutaneously growing tumor. Janik P, et al. **JNCI** 1981 Jun;66(6):1155–8

THERAPY

Selective tumor heating by shortwave radiofrequency (RF). Auda SP, et al. **Cancer** 1980 Nov 1;46(9):1962–8

Role of cell-mediated immunity in tumor eradication by hyperthermia. Alfieri AA, et al. **Cancer Res** 1981 Apr; 41(4):1301–5

Effect of hyperglycemia on blood flow, pH, and response to hyperthermia (42 degrees) of the Yoshida sarcoma in the rat. Calderwood SK, et al. **Cancer Res** 1980 Dec; 40(12):4728–33

Participation of the immune system in regression of a rat Mc7 sarcoma by hyperthermia. Shah SA. **Cancer Res** 1981 May;41(5):1742–7

Effect of normal allogeneic lymphoid cell transfer in combination with chemotherapy on a transplantable tumor in rats. Yamada Y, et al. **Cancer Res** 1980 Mar;40(3):954–8

Experimental cancer immunotherapy in DBA/2 mouse–mastocytoma model utilizing autologous tumor tissue polymerised with ethylchlorformiate. Soimakallio S, et al. **Exp Pathol (Jena)** 1980;18(6):346–52

Immunotherapy of a carcinogen-induced murine sarcoma with soluble tumor-specific transplantation antigens. Kahan BD, et al. **JNCI** 1980 Nov;65(5):1001–4

[New approach to the study of the experimental inhibitory effect of the unicellular alga Chlorella pyrenoidosa against the murine sarcomas BP8 and L1210] Morin O, et al. **C R Soc Biol (Paris)** 1980;174(1):74–81 (Eng. Abstr.) **(Fre)**

[Combined effect of UHF-hyperthermia and x-irradiation on the growth of sarcoma 45] Ul'ianenko SE, et al. **Biull Eksp Biol Med** 1981 Apr;91(4):471–3 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

7-S collagen: characterization of an unusual basement membrane structure. Risteli J, et al. **Eur J Biochem** 1980; 108(1):239–50

SARCOMA, GERMINOBLASTIC see **LYMPHOMA**

SARCOMA, IMMUNOBLASTIC see **LYMPHOMA**

SARCOMA, JENSEN

DRUG THERAPY

[Influencing of the rate of taking root of the tumor by L-dopa, amantadine and measles vaccine in combination with gamma radiation (author's transl)] Busse E, et al. **Radiobiol Radiother (Berl)** 1980;21(6):788–93 (Eng. Abstr.) **(Ger)**

[The principle of tumor chemotherapy, studied by the transformation of tumor cells into anaerobic cells, resistant to active oxygen] Petrovskii BV, et al. **Dokl Akad Nauk SSSR** 1981;256(5):1273–7 **(Rus)**

IMMUNOLOGY

[Influence of artificial hyperglycaemia on selected clinico-chemical parameters of Wistar-rats with Jensen's sarcoma (author's transl)] Begand M, et al. **Arch Geschwulstforsch** 1980;50(7):628–34 (Eng. Abstr.) **(Ger)**

SARCOMA, KAPOSI'S

Kaposi's sarcoma: a review and recent developments. Safai B, et al. **CA** 1981 Jan–Feb;31(1):2–12 (75 ref.)

BLOOD

Factor VIII in Kaposi's sarcoma. Guarda LG, et al. **Am J Clin Pathol** 1981 Aug;76(2):197–200

CHEMICALLY INDUCED

Kaposi's sarcoma complicating corticosteroid therapy for temporal arteritis. Leung F, et al. **Am J Med** 1981 Aug; 71(2):320–2

COMPLICATIONS

The high incidence of Tinea pedis and unguium in patients with Kaposi's sarcoma. Alteras I, et al. **Mycopathologia** 1981 Jun 5;74(3):177–9

[Infectious pulmonary and neurologic complications of Kaposi's sarcoma. Anatomo-clinical correlation with an ultrastructural study] Rutsaert J, et al. **Ann Anat Pathol (Paris)** 1980;25(2):125–38 (Eng. Abstr.) **(Fre)**

[Stewart-Bluefarb syndrome] Carton FX, et al. **Ann Dermatol Venereol** 1980;107(10):919–21 **(Fre)**

[Kaposi angiomatosis in Evans' syndrome] Thomas P, et al. **Ann Dermatol Venereol** 1980;107(10):941–4 **(Fre)**

[Lymphangio-immunoblastic adenopathies, sicca syndrome, and purely visceral Kaposi's sarcoma (author's transl)] Patri B, et al. **Ann Med Interne (Paris)** 1980;131(8):528–30 (Eng. Abstr.) **(Fre)**

[Visceral Kaposi sarcoma with angioimmunoblastic lymphadenopathy and latent sicca syndrome (author's transl)] Diebold J, et al. **Bull Cancer (Paris)** 1980; 67(2):131–8 (Eng. Abstr.) **(Fre)**

[Kaposi's sarcoma during local and general steroid therapy for psoriasis (author's transl)] Meynadier J, et al. **Dermatologica** 1981;162(5):417–23 (Eng. Abstr.) **(Fre)**

[Kaposi's disease in myasthenia (letter)] Binet O, et al. **Nouv Presse Med** 1981 May 30;10(24):2040–1 **(Fre)**

[Kaposi's angiosarcoma associated with Evans syndrome (letter)] Thomas P, et al. **Nouv Presse Med** 1980 May 31; 9(24):1710 **(Fre)**

CONGENITAL

[Congenital Kaposi's sarcoma] Kovalenko VL, et al. **Vopr Onkol** 1981;27(5):83–4 **(Rus)**

DIAGNOSIS

Kaposi's sarcoma of the conjunctiva. Nicolitz E. **Ann Ophthalmol** 1981 Feb;13(2):205–7

DRUG THERAPY

Long-term complete remissions of Kaposi's sarcoma with vinblastine therapy. Solan AJ, et al. **Cancer** 1981 Feb 15; 47(4):637–9

[Immunosuppressive therapy and Kaposi's sarcoma: two case reports (author's transl)] Guillet G, et al. **Ann Dermatol Venereol** 1980;107(10):907–19 (Eng. Abstr.) **(Fre)**

ETIOLOGY

Kaposi's sarcoma after immunosuppressive therapy with prednisone. Hoshaw RA, et al. **Arch Dermatol** 1980 Nov; 116(11):1280–2

[Kaposi's sarcoma and pulmonary tuberculosis] Grigor'ev IuG, et al. **Probl Tuberk** 1980 Dec;(12):67–8 **(Rus)**

[Kaposi's disease in a renal transplant patient] Jareño, et al. **Actas Dermosifiliogr** 1981 Jan–Feb;72(1–2):51–4 **(Spa)**

IMMUNOLOGY

[Immune response in the course of Kaposi's sarcoma] Scalise G, et al. **Boll Ist Sieroter Milan** 1980;59(6):632–7 (Eng. Abstr.) **(Ita)**

MICROBIOLOGY

Kaposi's sarcoma and its relationship to cytomegalovirus (CMNV). III. CMV DNA and CMV early antigens in Kaposi's sarcoma. Giraldo G, et al. **Int J Cancer** 1980 Jul 15;26(1):23–9

OCCURRENCE

Clinico-epidemiological study of Kaposi's sarcoma in Egypt. el-Haddad S, et al. **Clin Radiol** 1981 May;32(3):355–8

Kaposi's sarcoma and Pneumocystis pneumonia among homosexual men—New York City and California. **MMWR** 1981 Jul 3;30(25):305–8

[Kaposi's sarcoma: cases diagnosed in the histopathology laboratory of the Pasteur Institute of Madagascar from 1956 to 1977] Rakotonirina-Randriambeloma PJ, et al. **Arch Inst Pasteur Madagascar** 1980;47(1):185–97 **(Fre)**

PATHOLOGY

Kaposi's sarcoma — Case report and review of Japanese cases. Tange T. **Acta Pathol Jpn** 1979 Mar;29(2):319–32

A preliminary communication on extensively disseminated Kaposi's sarcoma in young homosexual men. Gottlieb GJ, et al. **Am J Dermatopathol** 1981 Summer;3(2):111–4

Kaposi's sarcoma: immunohistologic evidence for an endothelial origin. Nadji M, et al. **Arch Pathol Lab Med** 1981 May;105(5):274–5

Protein-losing enteropathy in a patient with generalized Kaposi's sarcoma. Perrone V, et al. **Cancer** 1981 Feb 1; 47(3):588–91

Kaposi's sarcoma: relationship with hematologic, lymphoid, and thymic neoplasia. Ulbright TM, et al. **Cancer** 1981 Mar 1;47(5):963–73 (82 ref.)

Rapidly fatal lymphangioma-like Kaposi's sarcoma. Leibowitz MR, et al. **Histopathology** 1980 Sep;4(5):559–66

Kaposi sarcoma of the base of the tongue. Fisher J, et al. **J Laryngol Otol** 1980 Jun;94(6):663–8

Kaposi sarcoma of glans penis. Mabogunje O. **Urology** 1981 May;17(5):476–8

[Multiple idiopathic hemorrhagic sarcoma (Kaposi's disease)] Zortea-Caflisch C, et al. **Hautarzt** 1981 Feb;32(2):98–100 (Eng. Abstr.) **(Ger)**

[Malignant melanoma and Kaposi's sarcoma (author's transl)] Tritsch H, et al. **Z Hautkr** 1981 Jan 15;56(2):75–82 (Eng. Abstr.) **(Ger)**

[Kaposi's sarcoma (idiopathic multiple hemorrhagic sarcoma)] Hack U, et al. **Zentralbl Chir** 1980;105(21):1453–6 **(Ger)**

[Kaposi's sarcoma (author's transl)] Strunk E, et al. **Zentralbl Chir** 1980;105(21):1447–52 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

Kaposi sarcoma of the oesophagus. Umerah BC. **Br J Radiol** 1980 Aug;53(632):807–8

RADIOTHERAPY

Once weekly total and subtotal skin electron beam therapy for Kaposi's sarcoma. Nisce LZ, et al. **Cancer** 1981 Feb 15;47(4):640–4

THERAPY

Kaposi's sarcoma after kidney transplantation. Report of complete remission of cutaneous and visceral involvement. Zisbrod Z, et al. **Transplantation** 1980 Nov;30(5):383–4

SARCOMA, MAST CELL

ANALYSIS

Spectroscopic studies of rat mast cells, mouse mastocytoma cells, and compound 48/80-I. A spin-label study of membrane fluidities and the effect of 48/80. Ortner MJ, et al. **Biochem Pharmacol** 1981 Feb 15;30(4):277–82

Spectroscopic studies of rat mast cells, mouse mastocytoma cells, and compound 48/80-II. The synthesis and some binding properties of spin-labeled 48/80. Ortner MJ, et al. **Biochem Pharmacol** 1981 Feb 15;30(4):283–8

The sequence composition and the size of transcribed DNA regions in mouse P815 mastocytoma cells. Boehm TL, et al. **Int J Biochem** 1980;12(4):639–42

Isolation and characterization of heparin from human mastocytoma tissue. Thunberg L, et al. **Thromb Haemost** 1980 Dec 19;44(3):125–9

CHEMICALLY INDUCED

A study of tobacco carcinogenesis XX: mastocytoma induction in mice by cigarette smoke particulates ('cigarette tar'). Ohmori T, et al. **Am J Pathol** 1981 Mar;102(3):381–7

DRUG THERAPY

Studies on the pharmacology and cytokinetics of 2,3-dihydro-1H-imadazo[1,2-b]pyrazole (NSC 51143) with P815 mastocytoma cells. Allen LM, et al. **Cancer Res** 1980 Nov;40(11):4059–63

Effect of adenosine and adenosine 5'-monophosphate on cell division of cultured mastocytoma P-815 cells. Ichikawa A, et al. **J Pharmacobiodyn** 1980 Mar;3(3):123–35

Effect of adenosine 3',5'-monophosphate on growth and several functions of cultured mastocytoma P-815 cells. Takagi M, et al. **J Pharmacobiodyn** 1980 Mar;3(3):136–48

Enhancement of prostaglandin synthesizing activity by the treatment with sodium n-butyrate on cloned mastocytoma

cells and various other tissue cell lines. Kawamura M, et al. **Prostaglandins** 1980 May;19(5):659–69

IMMUNOLOGY

Polymerised autologous tumor tissue particles in experimental cancer immunotherapy with special reference to the effects on the immune system of the host. Syrjänen KJ, et al. **Arch Geschwulstforsch** 1980;50(8):724–34

Shedding of tumor cell surface membranes. Liepins A, et al. **Cell Biol Int Rep** 1981 Jan;5(1):15–26

Pretreatment of P815 mastocytoma cells with inhibitors of protein synthesis reduces their susceptibility to lysis by cytotoxic thymus-derived lymphocytes. D'Angeac AD, et al. **Cell Immunol** 1980 Oct;55(2):342–54

Early steps in specific tumor cell lysis by sensitized mouse T lymphocytes. V. Evidence that manganese inhibits a calcium-dependent step in programming for lysis. Gately MK, et al. **Cell Immunol** 1981 Jun;61(1):78–89

The Lyt phenotype of cells involved in the cytotoxic response to syngeneic tumor and of tumor-specific suppressor cells. Maier T, et al. **Cell Immunol** 1980 Dec; 56(2):392–9

The blocking activity of antisera raised to either tumor antigens or alloantigens in cytotoxicity assays using syngeneic or allogeneic killer cells on the P815 murine mastocytoma target. Al-Rammahy AK, et al. **Cell Immunol** 1980 Dec;56(2):338–46

Detection of soluble immune complexes by their binding to Fc receptors on mastocytoma cells. Targowski SP, et al. **Cell Immunol** 1980 Sep 1;54(2):478–86

Spin labeling studies of the interactions of P815 mouse mastocytoma cells with antiserum to histocompatibility antigens, H-2d. Merritt MV, et al. **Immunopharmacology** 1979 Jul;1(4):301–14

Deviant immune responses to allogeneic tumors injected intracamerally and subcutaneously in mice. Niederkorn J, et al. **Invest Ophthalmol Vis Sci** 1981 Mar;20(3):355–63

Immunogenic variants obtained by mutagenesis of mouse mastocytoma P815. II. T lymphocyte-mediated cytolysis. Boon T, et al. **J Exp Med** 1980 Nov 1;152(5):1184–93

Induction of anterior chamber-associated immune deviation requires an intact, functional spleen. Streilein JW, et al. **J Exp Med** 1981 May 1;153(5):1058–67

Immunogenic variants obtained by mutagenesis of mouse mastocytoma P815. I. Rejection by syngeneic mice. Uyttenhove C, et al. **J Exp Med** 1980 Nov 1;152(5):1175–83

Activation of macrophages for tumor cell cytotoxicity: identification of indomethacin sensitive and insensitive pathways. Drysdale BE, et al. **J Immunol** 1981 Aug; 127(2):760–5

Lymphokine maintains macrophage activation for tumor cell killing by interfering with the negative regulatory effect of prostaglandin E2. Taffet SM, et al. **J Immunol** 1981 Jul; 127(1):121–4

Immunosuppressive factors from mastocytoma cells cultured in serum-free medium. Nakamura M, et al. **JNCI** 1980 Oct; 65(4):759–68

Tumour-associated antigens of the mouse P-815 mastocytoma cell: evidence for an antigen with H-2-like characteristics. Clemetson KJ, et al. **Mol Immunol** 1981 Feb;18(2):135–41

METABOLISM

Spectroscopic studies of rat mast cells, mouse mastocytoma cells, and compound 48/80--III. Evidence for a protein binding site for compound 48/80. Ortner MJ, et al. **Biochem Pharmacol** 1981 Jun 15;30(12):1587–94

Accumulation of adenosine 3',5'-monophosphate induced by prostaglandin E1 binding to mastocytoma P-815 cells. Yatsunami K, et al. **Biochem Pharmacol** 1981 Jun 1; 30(11):1325–32

Conversion of 14C-labeled eicosapentaenoic acid (n-3) to leukotriene C5. Hammarström S. **Biochim Biophys Acta** 1981 Feb 23;663(2):575–7

Glycosaminoglycans of some mouse mastocytomas. Nader HB, et al. **Biochim Biophys Acta** 1980 Sep 1;631(3):463–78

Enzymatic hypomethylation of inverted repeats in transcribed DNA regions of mouse P815 mastocytoma cells. Boehm TRL, et al. **Int J Biochem** 1981;13(2):153–8

Effect of D-glucosamine on growth and several functions of cultured mastocytoma P-815 cells. Ichikawa A, et al. **J Pharmacobiodyn** 1980 Nov;3(11):577–88

Aphidicolin: a specific inhibitor of DNA synthesis in synchronous mastocytoma P-815 cells. Ichikawa A, et al. **Jpn J Pharmacol** 1980 Jun;30(3):301–8

The control of growth of mouse mastocytoma cells by N6,O2'-dibutyryladenosine cyclic 3',5'-monophosphate. Knightbridge A, et al. **Mol Cell Biochem** 1981 Feb 11; 34(3):153–64

PATHOLOGY

Biosynthesis of chondroitin sulphate by a Golgi-apparatus-enriched preparation from cultures of mouse mastocytoma cells. Silbert JE, et al. **Biochem J** 1980 Aug 15;190(2):307–13

Free-flow electrophoresis of an ascites mast-cell tumour. Pretlow TP, et al. **Br J Cancer** 1981 Apr;43(4):537–41

The effect of 1251-5-iodo-2'-deoxyuridine labelling on murine tumour cells. Bishop CJ, et al. **Br J Exp Pathol** 1981 Feb;62(1):22–6

THERAPY

Experimental cancer immunotherapy in DBA/2 mouse-mastocytoma model utilizing autologous tumor tissue polymerised with ethylchlorformiate. Soimakallio S, et al. **Exp Pathol (Jena)** 1980;18(6):346–52

Immunological reactivity in the lymph nodes of the host following experimental cancer immunotherapy utilizing polymerized autologous tumor tissue particles. Syrjänen KJ, et al. **Neoplasma** 1980;27(4):387–98

VETERINARY

Mastocytomas in the dairy cow: two case reports. Bliss EL, et al. **VM SAC** 1981 Jan;76(1):79–81

[General facts on mastocytoma in the dog. Apropos of the first Tunisian case] Zarrouk K, et al. **Arch Inst Pasteur Tunis** 1979 Sep;56(3):255–78 (Eng. Abstr.) **(Fre)**

SARCOMA, OSTEOGENIC

Characterization of newly established human osteosarcoma cell line, LM-1. Tsang KY, et al. **In Vitro** 1981 Apr; 17(4):308–14

Chemical and biological properties of a growth factor from human-cultured osteosarcoma cells: resemblance with platelet-derived growth factor. Heldin CH, et al. **J Cell Physiol** 1980 Nov;105(2):235–46

ANALYSIS

Comparative single-cell and flow DNA analysis of bone sarcoma. Kreicbergs A, et al. **Anal Quant Cytol** 1981 Jun; 3(2):121–7

Osteogenesis by factor(s) isolated from mouse osteosarcoma cells in combination with collagen. Yasui N, et al. **Biken J** 1980 Jun;23(2):83–7

Solubilization and purification of bone morphogenetic protein (BMP) from Dunn osteosarcoma. Hanamura H, et al. **Clin Orthop** 1980 Nov-Dec;(153):232–40

BLOOD

Glucose tolerance, growth hormone and somatomedin levels in osteosarcoma patients. Adamson U, et al. **Acta Endocrinol (Copenh)** 1980 Aug;94(4):517–22

Terminal hematological changes in mice bearing osteosarcomas induced by plutonium-239. Svoboda V, et al. **Neoplasma** 1980;27(5):567–74

COMPLICATIONS

Osteogenic sarcoma of the humerus after cobalt plaque treatment for retinoblastoma. Abramson DH, et al. **Am J Ophthalmol** 1980 Sep;90(3):374–6

Osteosarcoma, fibrous dysplasia, and a chromosomal abnormality in a 3-year-old child. Brodeur GM, et al. **Cancer** 1980 Sep 1;46(5):1197–201

Osteogenic sarcoma following Hodgkin's disease. Niebrugge D, et al. **Cancer** 1981 Jul 15;48(2):416–8

Osteosarcoma at the site of previous fracture. A case report. Berry MP, et al. **J Bone Joint Surg [Am]** 1980 Oct; 62(7):1216–8

Late extraocular tumours in retinoblastoma survivors. François J, et al. **Ophthalmologica** 1980;181(2):93–9

Osteosarcoma complicating familial Paget's disease. Brenton DP, et al. **Postgrad Med J** 1980 Apr;56(654):238–43

Hemihyperhidrosis and intrathoracic malignancy. Wang YT, et al. **Singapore Med J** 1981 Apr;22(2):86–8

Lactic acidosis associated with metastatic osteogenic sarcoma. Stacpoole PW, et al. **South Med J** 1981 Jul; 74(7):868–70

[Malignant extradural spinal cord compression in childhood: diagnostic, surgical, and prognostic considerations with respect to 6 cases] Granieri U, et al. **Riv Neurol** 1980 Jul-Aug;50(4):293–8 (Eng. Abstr.) **(Ita)**

DIAGNOSIS

An unusual case of primary osteosarcoma of the talus. Amini M, et al. **Clin Orthop** 1980 Jul-Aug;(150):217–9

Osteosarcoma of the hand. Fleegler EJ, et al. **Hand** 1980 Oct;12(3):316–22

Extraosseous osteogenic sarcoma--a case report. Goravalingappa JP, et al. **Indian J Pathol Microbiol** 1980 Apr;23(2):161–4

Osteogenic sarcoma: the past, present, and future. Copeland MM, et al. **Int Adv Surg Oncol** 1979;2:177–200 (49 ref.)

Sarcoma in Paget's disease (11 cases). Giunti A, et al. **Ital J Orthop Traumatol** 1979 Dec;5(3):311–20

Multiple metachronous osteosarcoma with eleven-year survival. A case report. Simodynes EE, et al. **J Bone Joint Surg [Am]** 1981 Feb;63A(2):317–22

Muscle necrosis simulating recurrent osteosarcoma. A case report. Towbin RB, et al. **J Bone Joint Surg [Am]** 1980 Sep;62(6):1024–6

Osteogenic sarcoma of the mandible. Briant TD, et al. **J Otolaryngol** 1981 Apr;10(2):149–61

The value of electron microscopy in diagnostic pathology. Case 8. Aparisi T, et al. **Ultrastruct Pathol** 1980 Jan-Mar; 1(1):111–20

[Histological grading and typing in osteosarcoma. Comparison with the survival time of 22 patients] Konrad EA, et al. **Fortschr Med** 1980 Jul 26;98(28):1070–6 (Eng. Abstr.) **(Ger)**

[Synchronous multifocal osteogenic sarcoma] Sulkes A, et al. **Harefuah** 1981 Jan 15;100(2):74–6 (Eng. Abstr.) **(Heb)**

[Spinal cord tumors simulating the clinical course of Charcot-Marie disease] Stroińska B, et al. **Neurol Neurochir Pol** 1981 Jan-Feb;15(1):85–9 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Advances in the multimodal primary management of cancer. DeVita VT Jr, et al. **Adv Intern Med** 1980;26:115–29 (51 ref.)

Influence of increased temperature on the inhibition of rat osteosarcoma cell multiplication 'in vitro' by interferon. Delbrück HG, et al. **Biomedicine** 1980 Nov;33(7):239–41

Normal computed tomograms of the brain in osteosarcoma patients treated with high-dose methotrexate. Bowles D, et al. **Cancer** 1981 Apr 1;47(7):1762–5

Adjuvant adriamycin and cis-diamminedichloroplatinum (cis-platinum) in primary osteosarcoma. Ettinger LJ, et al. **Cancer** 1981 Jan 15;47(2):248–54

Phase II study of high-dose methotrexate in patients with unresectable metastatic osteosarcoma [letter] Edmonson JH, et al. **Cancer Treat Rep** 1981 May-Jun;65(5-6):538–9

Anaphylactic reaction to methotrexate used in high doses as an adjuvant treatment of osteogenic sarcoma [letter] Klimo P, et al. **Cancer Treat Rep** 1981 Jul-Aug;65(7-8):725

Multidrug chemotherapy in osteosarcoma. Sutow WW. **Clin Orthop** 1980 Nov-Dec;(153):67–72

The effect of liposome (phospholipid vesicle) entrapment of actinomycin D and methotrexate on the in vivo treatment of sensitive and resistant solid murine tumours. Kaye SB, et al. **Eur J Cancer** 1981 Mar;17(3):279–89

Can historical controls be used in current clinical trials in osteosarcoma. Analysis of Prognostic factors. Broström LA, et al. **Int J Radiat Oncol Biol Phys** 1980 Dec; 6(12):1711–5

Antitumor effects of doxorubicin against a virally-induced rat osteosarcoma with minimal immunosuppression. Kempf RA, et al. **J Immunopharmacol** 1980;2(4):509–25

Adjuvant chemotherapy in nonmetastatic osteosarcoma: a Southwest Oncology Group Study. Herson J, et al. **Med Pediatr Oncol** 1980;8(4):343–52

5-fluorouracil and cis-platinum in the treatment of refractory solid tumors: a pediatric oncology group phase I–II study. Land VJ, et al. **Med Pediatr Oncol** 1981;9(3):289–91

High-dose methotrexate with a safe rescue program. Decker DA, et al. **Oncology** 1981;38(5):262–4

[Aggressive cytostatic treatment of osteogenic sarcoma in childhood (author's transl)] Pontz BF, et al. **Dtsch Med Wochenschr** 1981 Feb 13;106(7):200–7 (Eng. Abstr.) **(Ger)**

[Disturbances of coagulation following high-dosage methotrexate with citrovorum factor rescue in patients with osteogenous sarcoma. (author's transl)] Göbel U, et al. **Klin Paediatr** 1981 Mar;193(2):94–8 (Eng. Abstr.) **(Ger)**

[Combination chemotherapy in osteogenic sarcoma: the Memorial Sloan-Kettering cancer center experience (author's transl)] Jürgens H, et al. **Klin Paediatr** 1980 Mar; 192(2):123–9 (Eng. Abstr.) **(Ger)**

[The effect of chemotherapy on the retention of 99mTc-methylenediphosphonate by the osteogenic sarcoma of the mouse (author's transl)] Senekowitsch R, et al. **Nuklearmedizin** 1980 Aug;19(4):200–5 (Eng. Abstr.) **(Ger)**

[High-dose methotrexate with citrovorum factor rescue in osteogenic carcinoma] Levi M, et al. **Harefuah** 1980 Sep; 99(5-6):110–3 (Eng. Abstr.) **(Heb)**

[Antitumor effects of human leukocyte interferon on human osteosarcomas transplanted in nude mice (author's tranls)] Masuda S. **Fukuoka Igaku Zasshi** 1980 Nov;71(11):600–11 (Eng. Abstr.) **(Jpn)**

[Changes in the T- and B-lymphocyte ratio in bone sarcoma patients before and after carminomycin treatment] Vatin AE, et al. **Antibiotiki** 1980 Nov;25(11):864–7 (Eng. Abstr.) **(Rus)**

[Role of polychemotherapy in the prevention of metastases of osteogenic sarcoma to the lungs] Knysh IT. **Ortop Travmatol Protez** 1980 Dec;(12):1–3 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

The role of Mg2+ in hormone stimulation of rat osteosarcoma adenylate cyclase. Rodan SB, et al. **Biochim Biophys Acta** 1981 Feb 18;673(1):55–63

Parathyroid hormone and isoproterenol stimulation of adenylate cyclase in rat osteosarcoma clonal cells. Hormone competition and site heterogeneity. Rodan SB, et al. **Biochim Biophys Acta** 1981 Feb 18;673(1):46–54

1,25-Dihydroxyvitamin D3 stimulates the alkaline phosphatase activity of osteoblast-like cells. Manolagas SC, et al. **J Biol Chem** 1981 Jul 25;256(14):7115–7

ETIOLOGY

Induction of neoplasia by 140Ba in mice. Nilsson A, et al. **Acta Radiol Oncol Radiat Phys Biol** 1980;19(4):293–7

Bone tumours induced in rats with radioactive cerium. Delbrück HG, et al. **Br J Cancer** 1980 May;41(5):809–15

Malignant bone tumours induced by a local injection of colloidal radioactive 144Cerium in rats as a model for human osteosarcomas. Allouche M, et al. **Int J Cancer** 1980

Dec 15;26(6):777–82

Malignant degeneration in fibrous dysplasia (presentation of 6 cases and review of the literature). Campanacci M, et al. **Ital J Orthop Traumatol** 1979 Dec;5(3):373–81

Osteosarcoma and acute myeloblastic leukemia after therapy for childhood Hodgkin disease – a case report. Chan KW, et al. **Med Pediatr Oncol** 1980;8(2):143–9

Osteogenic sarcoma following treatment with megavoltage radiation and chemotherapy for bone tumors in children. Freeman CR, et al. **Med Pediatr Oncol** 1980;8(4):375–82

Osteogenic sarcoma occurring after irradiation. Fitzgerald RH Jr, et al. **Va Med** 1981 Jul;108(7):474–7

[Multifocal sarcoma associated with Paget's disease of bone. Effects of dichloromethylene diphosphate (author's transl)] Vergnon JM, et al. **Nouv Presse Med** 1981 Jun 27; 10(28):2353–4, 2359–60 (Eng. Abstr.) **(Fre)**

[Hemicranial fibrous dysplasia and well differentiated osteosarcoma (author's transl)] Bricout H, et al. **Rev Otoneuroophtalmol** 1980 Jul–Sep;52(4):331–41 (Eng. Abstr.) **(Fre)**

FAMILIAL & GENETIC

Chromosome counts of 90Sr–induced osteosarcomas in mice. II. Variation of the chromosome counts of slow and fast growing tumours in hyper– and nonhyperimmunized hosts. Bergman H. **Acta Radiol Oncol Radiat Phys Biol** 1980; 19(2):153–9

Chromosome counts of 90Sr–induced osteosarcomas in mice. IV. Variation of chromosome counts when using tumours of predetermined age for transplantation. Bergman H. **Acta Radiol Oncol Radiat Phys Biol** 1980;19(4):279–84

Chromosome counts of 90Sr–induced osteosarcomas in mice. III. Variation of the chromosome counts of in vivo transplanted tumours, in vitro cultures and retransplanted cultured cells. Bergman H. **Acta Radiol Oncol Radiat Phys Biol** 1980;19(3):215–22

Familial osteogenic sarcoma occurring in pagetoid bone. Nassar VH, et al. **Am J Clin Pathol** 1981 Aug;76(2):235–9

IMMUNOLOGY

Antitumour reactions of monoclonal antibody against a human osteogenic–sarcoma cell line. Embleton MJ, et al. **Br J Cancer** 1981 May;43(5):582–7

Lack of suppressor cell activity in the spleens of mice with radiation–induced osteogenic sarcomas. Argyris BF, et al. **Cancer Res** 1981 Mar;41(3):839–44

Longitudinal studies of cellular immunity of patients with osteogenic sarcoma during chemoimmunotherapy. Sears HF, et al. **Cancer Treat Rep** 1980 Apr–May;64(4–5):589–97

Virus infections and recurrence of osteosarcoma in patients receiving human leukocyte interferon. Ingimarsson S, et al. **Int J Cancer** 1980 Oct 15;26(4):395–9

The biology, pathology and immunology of a virus induced rat osteosarcoma. II. Immunological studies. Czitrom AA, et al. **Int Orthop** 1980;4(3):167–75

Immunoperoxidase staining for carcinoembryonic antigen in colonic carcinoma, osteosarcoma, and chordoma. Harrowe DJ, et al. **J Surg Oncol** 1981;16(1):1–6

[Lymphocyte subpopulations in malignant bone tumors and their relation to the immune response to the tumor] Kosmiadi GA, et al. **Vopr Onkol** 1981;27(2):43–7 (Eng. Abstr.) **(Rus)**

METABOLISM

Studies of the internalization of vitamin D3 metabolites by cultured osteogenic sarcoma cells and their application to a non–chromatographic cytoreceptor assay for 1,25–dihydroxyvitamin D3. Manolagas SC, et al. **Biochem Biophys Res Commun** 1980 Jul 31;95(2):596–602

Human osteogenic sarcoma cells exhibit enhanced protein phosphorylation. Epstein J, et al. **Biochim Biophys Acta** 1981 Aug 5;676(1):68–76

Human osteosarcoma–derived soluble bone morphogenetic protein. Bauer FC, et al. **Clin Orthop** 1981 Jan–Feb; (154):291–5

Parathyroid hormone–responsive clonal cell lines from rat osteosarcoma. Majeska RJ, et al. **Endocrinology** 1980 Nov; 107(5):1494–503

1,25–Dihydroxyvitamin D3 increases synthesis of the vitamin K–dependent bone protein by osteosarcoma cells. Price PA, et al. **J Biol Chem** 1980 Dec 25;255(24):11660–3

[Modification of DNA–specific methylation in tissues of healthy and tumor bearing (sarcoma 45) rats under the effect of an active alkylating cancerolytic agent] Garibian V, et al. **Biokhimiia** 1980 Nov;45(11):2028–35 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Time course of C–type retrovirus expression in mice submitted to osteosarcomagenic doses of 224radium. Erfle V, et al. **Int J Cancer** 1980 Jul 15;26(1):107–13

MORTALITY

Multicentric osteosarcoma. Laus M. **Ital J Orthop Traumatol** 1980 Aug;6(2):249–54

PATHOLOGY

Postirradiation osteosarcoma in childhood. A clinicopathologic study of three cases and review of the literature. Varela–Duran J, et al. **Am J Pediatr Hematol Oncol** 1980 Fall;2(3):263–71

Osteosarcoma of meninges: clinical, light, and ultrastructural observations of a case. Lam RM, et al. **Am J Surg Pathol** 1981 Mar;5(2):203–8

Sarcomas of bone complicating osteitis deformans (Paget's disease): fifty years' experience. Wick MR, et al. **Am J Surg Pathol** 1981 Jan;5(1):47–59

Osteosarcoma of the testis. Mathew T, et al. **Arch Pathol Lab Med** 1981 Jan;105(1):38–9

Intracortical osteosarcoma. Kyriakos M. **Cancer** 1980 Dec 1;46(11):2525–33 (44 ref.)

The combined effect of interferon and methotrexate on human osteosarcoma and lymphoma cell lines. Broström LA. **Cancer Lett** 1980 Jul;10(1):83–90

Isolation of tumor cells from patients with osteosarcoma and analysis of their sensitivity to methotrexate. Mordoh J, et al. **Cancer Res** 1981 Sep;41(9 Pt 1):3621–8

Prognostic factors in osteosarcoma. Dahlin DC. **Int J Radiat Oncol Biol Phys** 1980 Dec;6(12):1755

The biology, pathology and immunology of a virus induced rat osteosarcoma. I. Biological behaviour and histopathology. Czitrom AA, et al. **Int Orthop** 1980; 4(3):157–65

Experimental osteosarcoma in the mouse, induced by Moloney's murine sarcoma virus. Peretti G, et al. **Ital J Orthop Traumatol** 1980 Aug;6(2):255–68

Malignant transformation of osteoblastoma. Merryweather R, et al. **J Bone Joint Surg [Br]** 1980 Aug;62(3):381–4

Fine needle aspiration cytology of the thyroid osteosarcoma. Report of a case. Syrjänen KJ. **J Cancer Res Clin Oncol** 1980;96(3):319–23

Cardiac metastasis from osteosarcoma. Dunnick NR, et al. **J Comput Assist Tomogr** 1981 Apr;5(2):253–5

Parosteal osteosarcoma. Sengupta P, et al. **J Indian Med Assoc** 1980 May 1;74(9):172–4

Osteosarcoma of the larynx. The first case report in Thailand with ultrastructural study. Suchatlampong V, et al. **J Med Assoc Thai** 1981 Jun;64(6):301–7

Primary osteogenic sarcoma of the sellar region. Case report. Reichenthal E, et al. **J Neurosurg** 1981 Aug;55(2):299–302

Juxtacortical osteosarcoma of mandible: review of literature and report of case. Banerjee SC. **J Oral Surg** 1981 Jul; 39(7):535–8

Osteosarcoma of the orbit. Dhir SP, et al. **J Pediatr Ophthalmol Strabismus** 1980 Sep–Oct;17(5):312–4

Juxtacortical osteogenic sarcoma of the jaws. Review of the literature and report of a case. Bras JM, et al. **Oral Surg** 1980 Dec;50(6):535–44

Osteogenic sarcoma of the tongue. Reyes JM, et al. **Oral Surg** 1981 Apr;51(4):421–5

Parosteal (juxtacortical) osteosarcoma of the distal femur. Adler CP. **Pathol Res Pract** 1980;169(3–4):388–95

Concurrence of metaphyseal fibrous defect and osteosarcoma. Report of a case and review of the literature. Kyriakos M, et al. **Skeletal Radiol** 1981;6(3):179–86

On radiation–induced extraskeletal osteosarcoma: report of a case. Ascenzi A, et al. **Tumori** 1980 Apr 30;66(2):261–8

[Occurrence of a primary osteosarcoma in a child treated for a retinal tumor] Haye C. **Bull Soc Ophtalmol Fr** 1981 Jan;81(1):99–100 **(Fre)**

[Sarcomatous degeneration of Paget's disease] Rázmán H, et al. **Orv Hetil** 1981 Apr 12;122(15):895–7 **(Hun)**

PHYSIOPATHOLOGY

Longitudinal growth and dental development in osteosarcoma patients. Broström LA, et al. **Acta Orthop Scand** 1980 Oct;51(5):755–9

Growth inhibition of clonal osteosarcoma cell–lines by low concentrations of glucocorticoid hormones. Eilam Y, et al. **Biochem Biophys Res Commun** 1980 Sep 16; 96(1):299–305

Osteosarcoma cytosol factor promotes parathyroid hormone stimulation of adenylate cyclase independent of GTP. Egan JJ, et al. **Biochim Biophys Acta** 1980 Nov 3;632(4):483–96

Pulmonary function tests during adjuvant lung irradiation for osteogenic sarcoma. Carcelen A, et al. **Cancer Treat Rep** 1980 Apr–May;64(4–5):701–03

Functional properties of hormonally responsive cultured normal and malignant rat osteoblastic cells. Partridge NC, et al. **Endocrinology** 1981 Jan;108(1):213–9

RADIOGRAPHY

Misleading CT in parosteal osteosarcoma. Orcutt J, et al. **AJR** 1981 Jun;136(6):1233–5

Periosteal osteoma. Birkholz H. **Oral Surg** 1980 Oct;50(4):384

Osteosarcoma in a boy with Rothmund–Thomson syndrome. Kozlowski K, et al. **Pediatr Radiol** 1980 Sep;10(1):42–5

The use of computed tomography to distinguish osteochondroma and chondrosarcoma. Kenney PJ, et al. **Radiology** 1981 Apr;139(1):129–37

What is your diagnosis? Radiation–induced osteosarcoma. Torres IJ. **Rev Interam Radiol** 1981 Jan;6(1):25–6

Case report 142. Periosteal osteosarcoma of femur. Sundaram M, et al. **Skeletal Radiol** 1981;6(2):131–3

Case report 136. Central low–grade osteosarcoma of tibia. Unni KK. **Skeletal Radiol** 1981;6(1):65–7

[Primary osteogenic renal sarcomas (author's transl)] Chaulieu C, et al. **J Radiol** 1980 Oct;61(10):623–5 (Eng. Abstr.) **(Fre)**

RADIONUCLIDE IMAGING

The lymphatic spread of osteosarcoma shown by Tc–99m–MDP scintigraphy. Heyman S. **Clin Nucl Med** 1980 Dec;5(12):543–5

Multiple skeletal lesions in a 7–year–old girl. The role of imaging modalities in diagnosis and management. Levinsohn EM. **JAMA** 1981 Apr 17;245(15):1573–4

RADIOTHERAPY

Radiosensitizing effect of misonidazole in acute and fractionated irradiation of a human osteosarcoma xenograft. Rofstad EK, et al. **Int J Radiat Oncol Biol Phys** 1980 Sep; 6(9):1163–7

[Effectiveness of radiation therapy of osteogenic sarcoma] Menžinskaja GV, et al. **Radiobiol Radiother (Berl)** 1980 Feb;21(1):5–10 (Eng. Abstr.) **(Ger)**

SECONDARY

Middle lobe syndrome as an unusual presentation of metastatic osteogenic sarcoma [letter] Dux S, et al. **Chest** 1980 Oct;78(4):670–1

Right ventricular obstruction secondary to intracardiac metastatic osteosarcoma. Wise NK, et al. **Clin Cardiol** 1980 Jun;3(3):200–3

Intracardiac metastasis of osteogenic sarcoma with fatal tumour embolism. Rastogi DS, et al. **Indian Heart J** 1980 Jul–Aug;32(4):261–3

Can historical controls be used in current clinical trials in osteosarcoma?. Metastases and survival in a historical and a concurrent group. Broström LA, et al. **Int J Radiat Oncol Biol Phys** 1980 Dec;6(12):1717–21

The surgical management of pulmonary metastatic tumours [clinical conference] Conlan AA. **S Afr J Surg** 1980 Dec; 18(4):166–7

[Controlled ultra–high dosage methotrexate therapy in three patients with metastatic osteosarcoma (author's transl)] Leber H, et al. **Wien Klin Wochenschr** 1981 Apr 3; 93(7):236–40 (Eng. Abstr.) **(Ger)**

SURGERY

Total femur replacement in sarcoma of the distal end of the femur. Katznelson A, et al. **Acta Orthop Scand** 1980 Oct; 51(5):845–51

Vascularized free fibula graft in bone tumors: report of 3 cases. Guo F, et al. **Chin Med J [Engl]** 1980 Nov; 93(11):745–52

Parosteal osteosarcoma: a treatment–oriented study. Luck JV Jr, et al. **Clin Orthop** 1980 Nov–Dec;(153):92–105

[Possibility of treatment of osteogenic sarcoma of the lower femoral epiphysis by resection with knee joint alloplasty] Tokarowski A, et al. **Chir Narzadow Ruchu Ortop Pol** 1980; 45(4):387–91 (Eng. Abstr.) **(Pol)**

THERAPY

Effect of long–term treatment with human leukocyte interferon on various laboratory parameters. Ingimarsson S, et al. **Acta Med Scand** 1980;208(3):155–9

Immune reactions and long–term therapy with human leukocyte interferon. Ingimarsson S, et al. **Acta Med Scand** 1981;209(1–2):17–19

Adjuvant interferon treatment and the late development of cerebral metastases in a patient with osteosarcoma. Broström LA, et al. **Acta Orthop Scand** 1980 Aug; 51(4):589–94

Management of osteosarcoma of the maxilla and mandible. Russ JE, et al. **Am J Surg** 1980 Oct;140(4):572–6

Is amputation necessary for sarcomas? A seven–year experience with limb salvage. Eilber FR, et al. **Ann Surg** 1980;192(4):431–8

Effect of human leukocyte interferon on the metastatic lung tumor of osteosarcoma: case reports. Ito H, et al. **Cancer** 1980 Oct 1;46(7):1562–5

The problems in assessment of new treatment regimens of osteosarcoma. Dahlin DC. **Clin Orthop** 1980 Nov–Dec; (153):81–5

Evaluation of results of new treatments for osteosarcoma. Gehan EA, et al. **Int J Radiat Oncol Biol Phys** 1980 Dec; 6(12):1757–8

Therapy of osteosarcoma and Ewing's sarcoma. Pritchard DC. **Ital J Orthop Traumatol** 1980 Dec;6(3):433–4

Osteosarcoma of the maxilla treated with radiation therapy and surgery. Akbiyik N, et al. **J Natl Med Assoc** 1981 Apr; 73(4):355–6

Effect of interferon administration on pulmonary osteogenic sarcomas in an experimental murine model. Glasgow LA, et al. **JNCI** 1981 Jul;67(1):207–12

Combination adriamycin–radiation treatment of pulmonary tumors in mice. Shaeffer J, et al. **Oncology** 1981;38(1):35–8

[Our experience with the treatment of osteogenic sarcoma (author's transl)] Kraus P. **Acta Chir Orthop Traumatol Cech** 1981 Feb;48(1):46–9 (Eng. Abstr.) **(Cze)**

[Malignant bone tumors in children (author's transl)] Schweisguth O. **Ann Pediatr (Paris)** 1981 Apr;28(4):229–35 (Eng. Abstr.) **(Fre)**

[Results of treatment of osteogenic sarcoma] Vedzizhev GM. **Ortop Travmatol Protez** 1980 Dec;(12):4–7 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Parosteal osteogenic sarcoma. Ultrastructural observations in three cases. Reddick RL, et al. **Hum Pathol** 1980 Jul; 11(4):373–80

VETERINARY

Bone sarcomas associated with multifocal medullary bone infarction in dogs. Dubielzig RR, et al. **J Am Vet Med Assoc** 1981 Jul 1;179(1):64–8

Irregular increased periosteal density involving the head of the humerus, suggestive of neoplasia. McLane JR. **J Am Vet Med Assoc** 1980 Dec 15;177(12):1239–40

Osteogenic sarcoma in 2 guinea pigs. Hong CC, et al. **Lab Anim** 1981 Jan;15(1):49–51

Multilobular osteosarcoma in the dog. Diamond SS, et al. **Vet Pathol** 1980 Nov;17(6):759–63

Telangiectatic osteosarcoma in the dog. Gleiser CA, et al. **Vet Pathol** 1981 May;18(3):396–8

Internal fixation of a fractured humerus in a dog and late osteosarcoma development. Van Bree H, et al. **Vet Rec** 1980 Nov 29;107(22):501–2

SARCOMA, RETICULUM CELL

BLOOD

Hypophosphatemia in a patient with lymphoma in leukemic phase. Matzner Y, et al. **Arch Intern Med** 1981 May; 141(6):805–6

CLASSIFICATION

Malignant 'histiocytic' lymphoma in childhood. Koh SJ, et al. **Am J Clin Pathol** 1980 Oct;74(4):417–26

COMPLICATIONS

Bronchoenteric fistulae in lymphoma. Stark P. **AJR** 1981 Mar;136(3):615–7

Ocular reticulum cell sarcoma. Presentation as retinal detachment with demonstration of monoclonal immunoglobulin light chains on the vitreous cells. Michelson JB, et al. **Arch Ophthalmol** 1981 Aug; 99(8):1409–11

Diffuse histiocytic lymphoma after histologic conversion: a poor prognostic variant. Armitage JO, et al. **Cancer Treat Rep** 1981 May–Jun;65(5–6):413–8

Oculomotor palsy from malignant lymphoma. Mitsumoto H, et al. **Cleve Clin Q** 1980 Winter;47(4):333–8

Two uncommon malignancies complicating chronic ulcerative colitis. Barki Y, et al. **J Can Assoc Radiol** 1981 Jun;32(2):136–7

Campylobacter fetus subsp jejuni bacteremia in diffuse lymphoma. Longfield RN, et al. **Mayo Clin Proc** 1981 Sep; 56(9):582–3

[Malignant extradural spinal cord compression in childhood: diagnostic, surgical, and prognostic considerations with respect to 6 cases] Granieri U, et al. **Riv Neurol** 1980 Jul–Aug;50(4):293–8 (Eng. Abstr.) **(Ita)**

[A case of lactic acidosis with malignant lymphoma (reticulum cell sarcoma)--problems in treatment and usefulness of hemodialysis (author's transl)] Kuwahara T, et al. **Nippon Naika Gakkai Zasshi** 1980 May;69(5):548–53 **(Jpn)**

DIAGNOSIS

Histiocytic lymphoma presenting with extrahepatic biliary obstruction: a report of three cases. Young IF, et al. **Aust NZ J Surg** 1981 Apr;51(2):181–3

An idiopathic leg ulcer as the presenting sign of lymphoma. Shelley WB. **Cutis** 1981 Jul;28(1):43–4

'Primary' reticulum cell sarcoma of the retina. Völcker HE, et al. **Dev Ophthalmol** 1981;2:114–20

Chronic knee pain in a 35-year-old man. Keller MS, et al. **Invest Radiol** 1981 Jan–Feb;16(1):1–6

Abnormal electrocardiograms resembling myocardial infarction in a case of reticulum cell sarcoma. Miwa K, et al. **Jpn Circ J** 1981 Mar;45(3):329–33

Parenchymal involvement of the nervous system in lymphoma [letter] Gonyea EF. **Neurology (NY)** 1981 Feb; 31(2):229

[Histiocytosis X: isolated extraosseous eosinophil gastric reticuloma (author's transl)] Zeman V, et al. **Cesk Gastroenterol Vyz** 1980 Jun;34(4):255–8 (Eng. Abstr.) **(Cze)**

[Painful ophthalmoplegia: Parker and Jackson tumour (author's transl)] Hinault P, et al. **Rev Otoneuroophtalmol** 1980 Jul–Sep;52(4):301–5 (Eng. Abstr.) **(Fre)**

[Anatomo-clinical characteristics of malignant connective tissue tumors of the lung] Catena E, et al. **Arch Monaldi** 1978 Sep–Dec;33(5–6):283–92 (Eng. Abstr.) **(Ita)**

[Reticulosarcoma of the stomach. Apropos of 3 cases] Boscaino N, et al. **Minerva Chir** 1980 Oct 15;35(19):1503–14 (Eng. Abstr.) **(Ita)**

[Palatine tonsil reticulosarcoma with coexistent biological non-specific serological positive tests for syphilis (author's transl)] Kuźniar JB, et al. **Otolaryngol Pol** 1980; 34(2–3):301–5 (Eng. Abstr.) **(Pol)**

[Isolated gastric reticulosarcoma] Klott-Bukowska M, et al. **Pol Tyg Lek** 1981 Jan 19;36(3):107–8 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Ocular reticulum cell sarcoma. Char DH, et al. **Am J Ophthalmol** 1981 Apr;91(4):480–3

Treatment for histiocytic lymphoma [letter] Grossman SA. **Ann Intern Med** 1980 Oct;93(4):640–1

Treatment for histiocytic lymphoma [letter] Mason BA. **Ann Intern Med** 1980 Oct;93(4):641–2

COMLA chemotherapy for lymphoma [letter] Raich PC. **Ann Intern Med** 1980 Sep;93(3):509–10

Advanced diffuse histiocytic lymphoma treated with cyclophosphamide, doxorubicin, vincristine, and prednisone (CHOP) without maintenance therapy. Armitage JO, et al. **Cancer Treat Rep** 1980 Apr–May; 64(4–5):649–54

ENZYMOLOGY

Intracytoplasmatic muramidase in 'histiocytic lymphoma'. Urbano U, et al. **Pathologica** 1979 Nov–Dec;71(1016):851–5

ETIOLOGY

Silica-induced malignant histiocytic lymphoma: incidence linked with strain of rat and type of silica. Wagner MM, et al. **Br J Cancer** 1980 Jun;41(6):908–17

Non-thymic malignant lymphomas induced in C57BL/6 mice by cloned dualtropic viruses isolated from hematopoietic stromal cell lines. Haas M, et al. **Eur J Cancer** 1980 Jul; 16(7):909–17

Struma-reticulosa and reticulum-cell sarcoma of the stomach and oesophagus. Brown TS, et al. **Practitioner** 1980 Oct; 224(1348):1086–7

[Paget's disease of bone with special reference incidence in young persons and the possibility of malignant transformation] Galecki J. **Pol Tyg Lek** 1981 Mar 30; 36(13):473–5 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Unusual human lymphoma phenotype defined by monoclonal antibody. Aisenberg AC, et al. **J Exp Med** 1980 Oct 1; 152(4):1126–31

IMMUNOLOGY

Spontaneous production of T (type II) interferon by a murine reticulum-cell sarcoma. Ponzio NM, et al. **Ann NY Acad Sci** 1980;350:157–67

Expression of hybrid Ia molecules on the cell surface of reticulum cell sarcomas that are undetectable on host SJL/J lymphocytes. Wilbur SM, et al. **J Exp Med** 1981 Mar 1; 153(3):501–13

Suppression of spontaneous reticulum cell sarcoma development and of syngeneic stimulator cell by anti-mu treatment of SJL/J mice. Katz IR, et al. **J Immunol** 1980 Sep;125(3):1355–9

Immunologic phenotype in large-cell lymphoma [letter] Warnke R, et al. **N Engl J Med** 1980 Nov 27;303(22):1303

Selective migration of T-cell subset in pleural fluid from non-Hodgkin's lymphoma. Gupta S. **Thymus** 1981; 2(4–5):277–80

[Nitroblue-tetrazolium reduction test (NBT) in patients with laryngeal carcinoma (author's transl)] Kuźniar JB, et al. **Otolaryngol Pol** 1980;34(2–3):207–11 (Eng. Abstr.) **(Pol)**

METABOLISM

Combined autoradiographic and cytophotometric study of proliferating cell populations in human gliomas with description of a logarithmic screen method of cytophotometry. Kotelnikov VM, et al. **Anal Quant Cytol** 1980 Jun;2(2):93–8

Cell surface characteristics of human histiocytic lymhoma lines--I. Surface glycoprotein patterns. Nilsson K, et al. **Leuk Res** 1980;4(3):271–7

PATHOLOGY

Primary cerebral malignant lymphoma of the histiocytic type. Satodate R, et al. **Acta Pathol Jpn** 1980 Nov;30(6):1009–17

Non-Hodgkin's lymphomas in leukemic phase: clinicopathologic correlations. Come SE, et al. **Am J Med** 1980 Nov;69(5):667–74

Update of ocular reticulum cell sarcoma. Sloas HA, et al. **Arch Ophthalmol** 1981 Jun;99(6):1048–52

Routine cytodiagnosis of pulmonary malignancies. Chalon J, et al. **Arch Pathol Lab Med** 1981 Jan;105(1):11–4

Primary lymphoblastic non-Hodgkin's lymphoma of the skin. Willemze R, et al. **Br J Dermatol** 1981 Mar;104(3):333–8

Ocular reticulum cell sarcoma. Simon JW, et al. **Br J Ophthalmol** 1980 Oct;64(10):793–9

Diffuse histiocytic lymphoma with sclerosis: a clinicopathologic entity frequently causing superior venacaval obstruction. Miller JB, et al. **Cancer** 1981 Feb 15;47(4):748–56

Sinusoidal large cell ('histiocytic') lymphoma. Osborne BM, et al. **Cancer** 1980 Dec 1;46(11):2484–91

The establishment of a cell line (NH-AR) from a human nodular lymphoma and a comparison with lymphoblastoid cell line. Watanabe S, et al. **Cancer** 1980 Dec 1; 46(11):2438–45

Metastatic behavior of a murine reticulum cell sarcoma exhibiting organ-specific growth. Hart IR, et al. **Cancer Res** 1981 Apr;41(4):1281–7

Characterization of a murine ovarian reticulum cell sarcoma of histiocytic origin. Talmadge JE, et al. **Cancer Res** 1981 Apr;41(4):1271–80

Histiocytic lymphoma (reticulum-cell sarcoma) of bone. Current strategy for orthopaedic surgeons. Sweet DL, et al. **J Bone Joint Surg [Am]** 1981 Jan;63A(1):79–84

Primary reticulum-cell sarcoma (microglioma) of the brain with massive cardiac metastasis. Case report. Benjamin I, et al. **J Neurosurg** 1980 Nov;53(5):714–6

Comparison of histologic subtypes of multiple biopsies of malignant lymphoma. Lee YT, et al. **J Surg Oncol** 1981; 17(2):189–93

SJL tumor: a neoplasm involving macrophages. Ford RJ, et al. **Lab Invest** 1981 Aug;45(2):111–9

Histiocytic lymphoma in the mouse. Frith CH, et al. **Leuk Res** 1980;4(6):651–62

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 29–1981. **N Engl J Med** 1981 Jul 16;305(3):153–60

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 31–1981. **N Engl J Med** 1981 Jul 30;305(5):270–7

Cell and cell-free transplantation experiments with a mouse reticulum cell sarcoma. Covelli V, et al. **Tumori** 1981 Feb 28;67(1):1–7

[Richter's syndrome] Mačák J, et al. **Cesk Patol** 1980 Aug; 16(3):126–31 (Eng. Abstr.) **(Cze)**

[An autopsy case of primary reticulosarcoma of the lung (author's transl)] Okamura A, et al. **Nippon Kyobu Shikkan Gakkai Zasshi** 1980 Jul;18(7):477–81 (Eng. Abstr.) **(Jpn)**

[Systemic blood diseases in inbred mouse strain CC57W] Iogannsen MG, et al. **Biull Eksp Biol Med** 1980 Sep; 90(9):344–6 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Histiocytic lymphoma of the abdomen: radiographic spectrum. Burgener FA, et al. **AJR** 1981 Aug;137(2):337–42

Intrathoracic histiocytic lymphoma. Burgener FA, et al. **AJR** 1981 Mar;136(3):499–504

Primary malignant lymphoma of the uterus. Case report. Spagnoli I, et al. **Diagn Imaging** 1981;50(2):81–3

The diagnosis of solitary primary reticulum cell sarcoma of the posterior fossa with computed tomography. Valavanis A, et al. **Neuroradiology** 1981;21(4):213–7

Radiologic manifestation of histiocytic lymphoma in the skeletal and central nervous system. Burgener FA, et al. **ROEFO** 1981 Jan;134(1):50–5

Hodgkin disease, the non-Hodgkin lymphomas, and the leukemias in the retroperitoneum. Castellino RA, et al. **Semin Roentgenol** 1980 Oct;15(4 Pt 2):288–301

Lymphoma of the gastrointestinal tract. Zornoza J, et al. **Semin Roentgenol** 1980 Oct;15(4 Pt 2):272–87

[Histiocytic lymphoma of the bladder. One observation (author's transl)] Spagnoli I, et al. **Ann Radiol (Paris)** 1981 Mar;24(3):219–20 (Eng. Abstr.) **(Fre)**

[The radiological diagnosis of a gastro-intestinal hemorrhage of uncommon origin (author's transl)] Stienon M, et al. **J Belge Radiol** 1980;63(4):505–8 (Eng. Abstr.) **(Fre)**

[Reticulum cell sarcoma (large cell or histiocytic lymphoma) of the lung as a rare cause of intrapulmonary cavitation. A case report (author's transl)] Stark P. **Radiologe** 1981 Mar;21(3):142–3 (Eng. Abstr.) **(Ger)**

RADIONUCLIDE IMAGING

[A case of malignant lymphoma (histiocytic type) of the thyroid in young woman (author's transl)] Morita Y, et al. **Rinsho Hoshasen** 1980 Sep 25;25(9):939–42 (Eng. Abstr.) **(Jpn)**

SURGERY

Management of buccal space masses. Gallia L, et al. **Otolaryngol Head Neck Surg** 1981 Mar–Apr;89(2):221–5

[Reticulum cell sarcoma of stomach: report of 10 cases (author's transl)] Zhou ZW. **Chung Hua Wai Ko Tsa Chih** 1980;18(5):444–5 **(Chi)**

[Intestinal reticulosarcoma] Kowal R, et al. **Pol Przegl Chir** 1980 JUN;52(6):541–3 (Eng. Abstr.) **(Pol)**

THERAPY

The treatment of histiocytic lymphoma. Sweet DL, et al. **Semin Oncol** 1980 Sep;7(3):302–9

[Effect of fluctuating electromagnetic fields on the processes of growth and blastomogenesis] Iur'ev VN, et al. **Biull Eksp Biol Med** 1980 Nov;90(11):602–5 (Eng. Abstr.) **(Rus)**

[Treatment of a gastric reticulosarcoma] Laletin VG, et al. **Khirurgiia (Mosk)** 1980 Oct;(10):102–3 **(Rus)**

[Comprehensive treatment of Ewing's sarcoma, reticulosarcoma and solitary myeloma] Tolstopiatov BA, et al. **Vrach Delo** 1980 Jul;(7):73–6 (Eng. Abstr.) **(Rus)**

VETERINARY

Clinical neurology in small animal practice. Parker AJ. **Mod Vet Pract** 1981 Jan;62(1):18–24

SARCOMA, ROUS see **ROUS SARCOMA**

SARCOMA, YOSHIDA

ANALYSIS

DNA synthesis in tumor-bearing rats: purification of liver thymidine kinase stimulating factor from Yoshida sarcoma. Harada N, et al. **Gan** 1980 Apr;71(2):173–80

DRUG THERAPY

Criteria for the selection of second-generation platinum compounds. Shepherd R, et al. **Br J Cancer** 1980 Nov; 42(5):668–76

Tumor remission in Yoshida sarcoma-bearing rts by selective targeting of magnetic albumin microspheres containing doxorubicin. Widder KJ, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):579–81

[In vitro resistance testing of tumors in relation to cytostatics. 1. Animal experiments] Possinger K, et al. **Onkologie** 1980 Dec;3(6):291–5 (Eng. Abstr.) **(Ger)**

ENZYMOLOGY

Purification and properties of adenylosuccinate synthetase from Yoshida sarcoma ascites tumor cells. Matsuda Y, et al. **Biochim Biophys Acta** 1980 Dec 4;616(2):340–50

Influence of charge on the inactivation of membrane bound (Na+ + K+)-ATPase of Yoshida sarcoma cells by inhibitor proteins from cobra venom. Zaheer A, et al. **Cancer Biochem Biophys** 1979;3(3):123–7

UDP-N-acetylglucosamine 2'-epimerase of rat hepatoma and its comparison with the enzyme of rat liver. Kikuchi K, et al. **Tohoku J Exp Med** 1980 Jul;131(3):209–14

[Effect of cytembena, cyclophosphamide and their combination on the catalytic activity of plasma enzymes of healthy rats and rats with Yoshida's sarcoma (author's transl)] Matějková E, et al. **Sb Lek** 1980;82(11–12):356–62 (Eng. Abstr.) **(Cze)**

[DNA biosynthesis in the liver of animals with extrahepatic tumors: the role of thymidylate synthetase] Gómez C, et al. **Rev Clin Esp** 1980 Nov 15;159(3):163–6 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Effect of ultraviolet irradiation on chromatin and its components from Yoshida ascites tumour cells. Ramakrishnan N, et al. **Int J Radiat Biol** 1981 Mar; 39(3):329–37

IMMUNOLOGY

Cooperation of murine F T and parental B lymphocytes in rejection of a xenogeneic tumour: adaptive differentiation of B lymphocytes? Marušić M, et al. **Scand J Immunol** 1980; 11(6):609–21

METABOLISM

Tumor-host metabolic relationships: total levels and chromatographic pattern of vitamin B12 in serum, liver and tumor of Yoshida sarcoma-bearing rats. de la Piedra C, et al. **Biomedicine** 1980 Dec;33(8):262–5

Metabolic differences in deoxyribonucleoside triphosphate hydrolysis between rat liver and Yoshida sarcoma cell chromatins. Akiyoshi H, et al. **Gan** 1980 Aug;71(4):514–9

Tumor host relations. V. Nitrogen metabolism in Yoshida sarcoma-bearing rats. Reduction of growth rate and increase of survival time by administration of physiological doses of branched-chain amino acids. Schaur RJ, et al. **J Cancer Res Clin Oncol** 1980;97(3):285–93

Tumor host relations. IV. Tissue distribution of citric acid cycle intermediates and of glutamate in tumor-bearing rats high level of alpha-ketoglutarate in solid Yoshida sarcomas. Schreibmayer W, et al. **J Cancer Res Clin Oncol** 1980; 97(2):137–44

PATHOLOGY

[Total cellularity and the mitotic index of the Yoshida ascites tumor after pinealectomy in the rat] Bindoni M, et al. **Boll Soc Ital Biol Sper** 1981 Jan 30;57(2):183–7 **(Ita)**

PHYSIOPATHOLOGY

Some findings on the intravasation of Yoshida sarcoma cells in the omentum. Tobai S, et al. **Gan** 1980 Aug;71(4):578–9

[Effect of 22Na on the zeta potential of malignant cells] Basso Ricci L, et al. **Boll Soc Ital Biol Sper** 1980 Sep 15; 56(17):1732–8 (Eng. Abstr.) **(Ita)**

SARCOPLASMIC RETICULUM

A liquid diffraction analysis of sarcoplasmic reticulum. I. Compositional variation. Brady GW, et al. **Biophys J** 1981 Apr;34(1):13–34

Development of dyadic junctional complexes between sarcoplasmic reticulum and plasmalemma in rabbit left ventricular myocardial cells. Morphometric analysis. Page E, et al. **Circ Res** 1981 Apr;48(4):519–22

ANALYSIS

Molecular arrangement of phosphatidylcholine and sphingomyelin in sarcoplasmic reticulum membranes. Vale MG. **Arch Biochem Biophys** 1980 Oct 1;204(1):148–52

Isolation of phospholamban and a second proteolipid component from canine cardiac sarcoplasmic reticulum. Collins JH, et al. **Biochem Biophys Res Commun** 1981 Apr 15;99(3):796–803

Purification and characterization of the proteolipid of rabbit sarcoplasmic reticulum. Ohnoki S, et al. **Biochim Biophys Acta** 1980 Nov 20;626(1):170–8

The formation of intravesicular calcium phosphate deposits in microsomes of smooth muscle. A comparison with sarcoplasmic reticulum of skeletal muscle. Raeymaekers L, et al. **Histochemistry** 1981;70(2):139–50

Rapid fish species identification by agarose gel isoelectric focusing of sarcoplasmic proteins. Lundstrom RC. **J Assoc Off Anal Chem** 1981 Jan;64(1):38–43

Fish species identification by isoelectric focusing: sarcoplasmic protein polymorphism in monkfish (Lophius americanus). Lundstrom RC. **J Assoc Off Anal Chem** 1981 Jan;64(1):32–7

Purification and characterization of the 53,000-dalton glycoprotein from the sarcoplasmic reticulum. Campbell KP, et al. **J Biol Chem** 1981 May 10;256(9):4626–32

Calmodulin, S-100, and crayfish sarcoplasmic calcium-binding protein crystals suitable for X-ray diffraction studies. Kretsinger RH, et al. **J Biol Chem** 1980 Sep 10;255(17):8154–6

A K+-selective, three-state channel from fragmented sarcoplasmic reticulum of frog leg muscle. Labarca PP, et al. **J Membr Biol** 1981;61(1):31–8

DRUG EFFECTS

Vanadate inhibition of the Ca++-ATPase of sarcoplasmic reticulum from pig heart. Hagenmeyer A, et al. **Basic Res Cardiol** 1980 May-Jun;75(3):452–4

Chloroquine-induced alterations in phasic muscles. II. Sarcoplasmic reticulum. Trout JJ, et al. **Exp Mol Pathol** 1981 Jun;34(3):237–43

Changes in rat muscle sarcoplasmic reticulum following neural application of batrachotoxin or tetrodotoxin. Wan KK, et al. **Exp Neurol** 1980 Dec;70(3):475–86

Specific perforation of muscle cell membranes with preserved SR functions by saponin treatment. Endo M, et al. **J Muscle Res Cell Motil** 1980 Mar;1(1):89–100

The pharmacology of pumiliotoxin-B. I. Interaction with calcium sites in the sarcoplasmic reticulum of skeletal muscle. Albuquerque EX, et al. **Mol Pharmacol** 1981 May; 19(3):411–24

Decamethonium and hexamethonium block K+ channels of sarcoplasmic reticulum. Coronado R, et al. **Nature** 1980 Dec 4;288(5790):495–7

Quercetin inhibits Ca2+ uptake but not Ca2+ release by sarcoplasmic reticulum in skinned muscle fibers. Shoshan V, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4435–8

ENZYMOLOGY

Reconstitution of monomeric calcium-dependent ATPase from sarcoplasmic reticulum. Dean WL. **Ann NY Acad Sci** 1980;358:338–9

Structural relationship between the calcium- and magnesium-transporting ATPase of sarcoplasmic reticulum and the membrane. Green NM, et al. **Ann NY Acad Sci** 1980;358:149–58

Temperature-induced conformational changes in calcium- and magnesium-dependent ATPase systems. Lippert JL, et al. **Ann NY Acad Sci** 1980;358:350–3

Studies on the structure of the calcium-dependent adenosine triphosphatase from rabbit skeletal muscle sarcoplasmic reticulum. Tong SW. **Arch Biochem Biophys** 1980 Sep; 203(2):780–91

Photoaffinity spin-labeling of the Ca2+ ATPase in sarcoplasmic reticulum: evidence for oligomeric structure. Fellmann P, et al. **Biochem Biophys Res Commun** 1980 Jul 16;95(1):289–95

Rotational motion and flexibility of Ca2+,Mg2+-dependent adenosine 5'-triphosphatase in sarcoplasmic reticulum membranes. Bürkli A, et al. **Biochemistry** 1981 Jan 6; 20(1):138–45

Fluorescence quenching in model membranes. 3. Relationship between calcium adenosinetriphosphatase enzyme activity and the affinity of the protein for phosphatidylcholines with different acyl chain characteristics. Caffrey M, et al. **Biochemistry** 1981 Mar 31;20(7):1949–61

Pressure-induced inactivation of sarcoplasmic reticulum adenosine triphosphatase during high-speed centrifugation. Champeil P, et al. **Biochemistry** 1981 Mar 17;20(6):1520–4

Interactions between sarcoplasmic reticulum calcium adenosintriphosphatase and nonionic detergents. Dean WL, et al. **Biochemistry** 1981 Mar 31;20(7):1743–7

Role of water, hydrogen ion, and temperature on the synthesis of adenosine triphosphate by the sarcoplasmic reticulum adenosine triphosphatase in the absence of a calcium ion gradient. de Meis L, et al. **Biochemistry** 1980 Sep 2;19(18):4252–61

Calorimetric studies of ligand-induced modulation of calcium adenosine 5'-triphosphatase from sarcoplasmic reticulum. Epstein M, et al. **Biochemistry** 1980 Nov 25;19(24):5564–8

Fluorescence quenching in model membranes. 2. Determination of local lipid environment of the calcium adenosinetriphosphatase from sarcoplasmic reticulum. London E, et al. **Biochemistry** 1981 Mar 31;20(7):1939–48

Properties of detergent-solubilized and membranous (Ca2+ + Mg2+)-activated ATPase from sarcoplasmic reticulum as studied by sulfhydryl reactivity and ESR spectroscopy. Effect of protein-protein interactions. Andersen JP, et al. **Biochim Biophys Acta** 1980 Dec 2;603(1):84–100

Crosslinking of sarcoplasmic reticulum ATPase protein with 1,5-difluoro 2,4-dinitrobenzene. Bailin G. **Biochim Biophys Acta** 1980 Aug 21;624(2):511–21

Highly purified sarcoplasmic reticulum vesicles are devoid of Ca2+-independent ('basal') ATPase activity. Fernandez JL, et al. **Biochim Biophys Acta** 1980 July;599(2):552–68

Enzymatic activity of dystrophic chicken sarcoplasmic reticulum. Hanna S, et al. **Biochim Biophys Acta** 1981 Apr 22;643(1):41–54

Membrane localization of myocardial type II cyclic AMP-dependent protein kinase activity. Jones LR, et al. **Biochim Biophys Acta** 1981 Feb 20;641(1):242–53

Freeze-fracture study of water-soluble, standard proteins and of detergent-solubilized forms of sarcoplasmic reticulum Ca2+-ATPase. Le Maire M, et al. **Biochim Biophys Acta** 1981 Apr 22;643(1):115–25

The modulation of Ca2+-ATPase activity of sarcoplasmic reticulum by membrane cholesterol. The effect of enzyme coupling. Madden TD, et al. **Biochim Biophys Acta** 1981 Feb 20;641(1):265–9

Indications for an oligomeric structure and for conformational changes in sarcoplasmic reticulum Ca2+-ATPase labelled selectively with fluorescein. Pick U, et al. **Biochim Biophys Acta** 1980 Nov 20;626(1):255–61

ATP synthesis by Ca2+ + Mg2+-ATPase in detergent solution at constant Ca2+ levels. Ratkje SK, et al. **Biophys J** 1980 Jun;30(3):523–30

A comparison of vesicles derived from terminal cisternae and longitudinal tubules of sarcoplasmic reticulum isolated from rabbit skeletal muscle. Louis CF, et al. **Eur J Biochem** 1980 Oct;111(1):1–9

Preparative isolation of Apo(Ca2+-ATPase) from sarcoplasmic reticulum and the reactivation by lysophosphatidylcholine of Ca2+-dependent ATP hydrolysis and partial-reaction steps of the enzyme. Nestruck-Goyke AC, et al. **Eur J Biochem** 1981 Feb; 114(2):339–47

Demonstration of two different reactive sulfhydryl groups in the ATP-binding sites of Ca2+-ATPase of sarcoplasmic reticulum by disulfides of thioinosine triphosphates. Patzelt-Wenczler R, et al. **Eur J Biochem** 1980 Aug; 109(1):167–75

Pressure effect on the Arrhenius discontinuity in Ca2+-ATPase from sarcoplasmic reticulum: evidence for lipid involvement. Heremans K, et al. **FEBS Lett** 1980 Aug 11;117(1):161–3

Calcium-dependent adsorption and desorption of phosphorylase kinase on membrane fractions of sarcoplasmic reticulum. Jennissen HP, et al. **FEBS Lett** 1980 Nov 17;121(1):143–8

Modification of the ATP binding site of the Ca2+ -ATPase from sarcoplasmic reticulum by fluorescein isothiocyanate. Pick U, et al. **FEBS Lett** 1981 Jan 12;123(1):127–30

Dynamic interconversions of phosphorylated and non-phosphorylated intermediates of the Ca-ATPase from sarcoplasmic reticulum followed in a fluorescein-labeled enzyme. Pick U. **FEBS Lett** 1981 Jan 12;123(1):131–6

Sarcoplasmic reticulum-bound pyruvate kinase in rat skeletal muscle. Wu SW, et al. **Int J Biochem** 1980;12(3):497–500

A saturation transfer electron spin resonance study on the break in the Arrhenius plot for the rotational motion of Ca2+-dependent adenosine triphosphatase molecules in purified and lipid-replaced preparations of rabbit skeletal muscle sarcoplasmic reticulum. Kaizu T, et al. **J Biochem (Tokyo)** 1980 Dec;88(6):1837–43

Effect of phospholipid substitution on the mobility of spin labels bound to the ATPase of sarcoplasmic reticulum. Nakamura H, et al. **J Biochem (Tokyo)** 1981 Jan;89(1):21–8

Difference in kinetic properties of phosphorylated intermediates formed in the forward and backward reactions of solubilized Ca2+-ATPase of sarcoplasmic reticulum. Nakamura Y. **J Biochem (Tokyo)** 1980 Jul; 88(1):177–81

Arylisothiocyanate modification of sarcoplasmic Ca2+-stimulated ATPase. Sigrist H, et al. **J Bioenerg Biomembr** 1981 Apr;13(1–2):89–101

Steady state determination of sarcoplasmic reticulum ATPase intermediates. Their acid lability. Alonso GL, et al. **J Biol Chem** 1981 Apr 10;256(7):3399–404

Tightly bound calcium of adenosine triphosphatase in sarcoplasmic reticulum from rabbit skeletal muscle. Diamond EM, et al. **J Biol Chem** 1980 Dec 10; 255(23):11351–6

Stopped flow and rapid quenching measurement of the transient steps induced by calcium binding to sarcoplasmic reticulum adenosine triphosphatase. Competition with Ca2+-independent phosphorylation. Guillain F, et al. **J Biol Chem** 1981 Jun 25;256(12):6140–7

Nonequivalent subunits in the calcium pump of sarcoplasmic reticulum. Ikemoto N, et al. **J Biol Chem** 1981 Aug 25; 256(16):8593–601

The effect of bilayer thickness and n-alkanes on the activity of the (Ca2+ + Mg2+)-dependent ATPase of sarcoplasmic reticulum. Johannsson A, et al. **J Biol Chem** 1981 Feb 25;256(4):1643–50

Sarcoplasmic reticulum ATPase phosphorylation from inorganic phosphate in the absence of a calcium gradient. Steady state and kinetic fluorescence studies. Lacapère JJ, et al. **J Biol Chem** 1981 Mar 10;256(5):2302–6

The NH2 terminus of the (Ca2+ + Mg2+)-adenosine

triphosphatase is located on the cytoplasmic surface of the sarcoplasmic reticulum membrane. Reithmeier RA, et al. **J Biol Chem** 1981 Jun 25;256(12):5957–60

Ratio of hydrolysis and synthesis of ATP by the sarcoplasmic reticulum ATPase in the absence of a Ca2+ concentration gradient. Scofano HM, et al. **J Biol Chem** 1981 May 10; 256(9):4282–5

Quercetin interaction with the (Ca2+ + Mg2+)-ATPase of sarcoplasmic reticulum. Shoshan V, et al. **J Biol Chem** 1981 Jan 25;256(2):887–92

Reaction mechanism of (Ca2+, Mg2+)-ATPase of sarcoplasmic reticulum vesicles. II. (ATP, ADP)-dependent Ca2+–Ca2+ exchange across the membranes. Takakuwa Y, et al. **J Biol Chem** 1981 Mar 25;256(6):2696–700

Reaction mechanism of (Ca2+, Mg2+)-ATPase of sarcoplasmic reticulum vesicles. I. Phosphoenzyme with bound Ca2+ which is exposed to the external medium. Takakuwa Y, et al. **J Biol Chem** 1981 Mar 25;256(6):2691–5

Heterogeneity of tryptophanyl residues in the sarcoplasmic reticulum ATPase probed by fluorescence energy transfer between the protein and fluorescent ionophore X537A. Verjovski-Almeida S. **J Biol Chem** 1981 Mar 25; 256(6):2662–8

Different degrees of cooperativity of the Ca2+-induced changes in fluorescence intensity of solubilized sarcoplasmic reticulum ATPase. Verjovski-Almeida S, et al. **J Biol Chem** 1981 Mar 25;256(6):2940–4

The stereochemical course of phosphoric residue transfer catalyzed by sarcoplasmic reticulum ATPase. Webb MR, et al. **J Biol Chem** 1981 May 25;256(10):4884–7

Characterization of ATPase in sarcoplasmic reticulum from two strains of dystrophic mice. Neymark MA, et al. **Muscle Nerve** 1980 Jul–Aug;3(4):316–25

The inhibition of the calcium transport ATPase of the sarcomplasmic reticulum by fluorescamine: evidence for an oligomeric functional unit of the calcium transport system. Hasselbach W, et al. **Z Naturforsch. [C]** 1980 Nov–Dec;35(11–12):1005–11

Low affinity calcium binding sites of the calcium transport ATPase of sarcoplasmic reticulum membranes. Hasselbach W, et al. **Z Naturforsch [C]** 1980 Nov–Dec; 35(11–12):1012–8

[Dependence of thermal stability of Ca-ATPase from sarcoplasmic reticulum on its concentration in the membrane] Shcherbakova NS, et al. **Biokhimiia** 1980 Aug; 45(8):1503–9 (Eng. Abstr.) **(Rus)**

[Structure-function rearrangements in the calcium-activated ATPase of sarcoplasmic reticulum studied by its own fluorescence] Zamaraeva MV, et al. **Biol Nauki** 1980; (8):24–9 **(Rus)**

[Study of Ca-dependent ATPase of sarcoplasmic reticulum by the use of selectively bound spin labels] Kuznetsov VA, et al. **Mol Biol (Mosk)** 1981 May–Jun;15(3):668–79 (Eng. Abstr.) **(Rus)**

[Spectrofluorometric topography of the ATPase center of Ca2+–Mg2+-dependent ATPase of sarcoplasmic reticulum by means of platinum and palladium compounds] Tat'ianenko LV, et al. **Mol Biol (Mosk)** 1981 Mar–Apr; 15(2):424–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Changes in the sarcoplasmic proteins of skeletal muscles induced by experimental steroid myopathy. Takács O, et al. **Acta Physiol Acad Sci Hung** 1980;55(2):121–8

Excitation-contraction coupling in hypothermic ischemic myocardium. Hess ML, et al. **Am J Physiol** 1981 Mar; 240(3):H336–41

Steady state kinetics of the (Ca2+ + Mg2+)-dependent P-nitrophenylphosphatase activity of sarcoplasmic reticulum vessicles. Ribeiro JM, et al. **An Acad Bras Cienc** 1980 Jun;52(2):403–9

Calcium uptake by isolated sarcoplasmic reticulum: examination of halothane inhibition, pH dependence, and Ca2+ dependence of normal and malignant hyperthermic human muscle. Blanck TJ, et al. **Anesth Analg (Cleve)** 1981 Jul;60(7):492–8

The effect of divalent and trivalent cation binding on the transport and ATPase activity of calcium- and magnesium-dependent adenosine triphosphatase. Abramson JJ, et al. **Ann NY Acad Sci** 1980;358:322–3

DIDS inhibition of sarcoplasmic reticulum anion efflux and calcium transport. Campbell KP, et al. **Ann NY Acad Sci** 1980;358:328–31

Calmodulin in natural and reconstituted calcium transporting systems. Carafoli E, et al. **Ann NY Acad Sci** 1980; 356:258–66

Mechanism of stimulation of calcium transport in cardiac sarcoplasmic reticulum preparations by calmodulin. Katz S. **Ann NY Acad Sci** 1980;356:267–78

The role of calmodulin in regulation of cardiac sarcoplasmic reticulum phosphorylation. Kranias EG, et al. **Ann NY Acad Sci** 1980;356:279–91

Calmodulin regulation of calcium transport in cardiac sarcoplasmic reticulum. Lopaschuk G, et al. **Ann NY Acad Sci** 1980;356:404–5

Ion pathways in proteins of the sarcoplasmic reticulum. MacLennan DH, et al. **Ann NY Acad Sci** 1980;358:138–48

Characterization of cell membrane and sarcoplasmic reticulum from bovine uterine smooth muscle. Carsten ME, et al. **Arch Biochem Biophys** 1980 Oct 15;204(2):404–12

Mg2+ and Mn2+ modulation of Ca2+ transport and ATPase activity in sarcoplasmic reticulum vesicles. Chiesi M, et al. **Arch Biochem Biophys** 1981 May;208(2):586–92

Effect of acylphosphates on Ca2+ uptake by sarcoplasmic reticulum vesicles. Liguri G, et al. **Arch Biochem Biophys** 1980 Apr 1;200(2):357–63

Proton movements across the membranes of sarcoplasmic reticulum during the uptake of calcium ions. Madeira VM. **Arch Biochem Biophys** 1980 Apr 1;200(2):319–25

Phosphorylation of cardiac sarcoplasmic reticulum by a calcium-activated, phospholipid-dependent protein kinase. Limas CJ. **Biochem Biophys Res Commun** 1980 Oct 16; 96(3):1378–83

Effect of cyclic AMP-dependent phosphorylation on the reactivity of sulphydryl groups in cardiac sarcoplasmic reticulum. Limas CJ. **Biochem J** 1980 Dec 15;192(3):867–72

Transient-state kinetic studies on the mechanism of furylacryloylphosphatase-coupled calcium ion transport with sarcoplasmic reticulum adenosine triphosphatase. Kurzmack M, et al. **Biochemistry** 1981 Feb 3;20(3):486–91

Phospholamban, activator of the cardiac sarcoplasmic reticulum calcium pump. Physicochemical properties and diagonal purification. Le Peuch CJ, et al. **Biochemistry** 1980 Jul 8;19(14):3368–73

Characterization of calmodulin effects on calcium transport in cardiac microsomes enriched in sarcoplasmic reticulum. Lopaschuk G, et al. **Biochemistry** 1980 Nov 25; 19(24):5603–7

Adenosine 3',5'-monophosphate-dependent phosphorylation of a 6000 and a 22,000 dalton protein from cardiac sarcoplasmic reticulum. Bidlack JM, et al. **Biochim Biophys Acta** 1980 Oct 1;632(2):310–25

Inhibition of anion permeability of sarcoplasmic reticulum vesicles by stilbene derivatives and the identification of an inhibitor-binding protein. Kasai M, et al. **Biochim Biophys Acta** 1981 Apr 22;643(1):213–9

Structural and functional lability induced by diethyl ether on the sarcoplasmic reticulum membrane. Kidd P, et al. **Biochim Biophys Acta** 1981 Jul 6;645(1):124–31

Phosphorylation of low molecular weight proteins in purified preparations of rat heart sarcolemma and sarcoplasmic reticulum. Lamers JM, et al. **Biochim Biophys Acta** 1980 Aug 21;624(2):443–59

The modification of the unidirectional calcium fluxes of sarcoplasmic reticulum vesicles by monovlent cation ionophroes. Louis CF, et al. **Biochim Biophys Acta** 1980 July;599(2):610–22

Sarcoplasmic reticulum calcium uptake in whole muscle homogenates. Newman JJ. **Biochim Biophys Acta** 1980 Dec 1;633(2):295–8

Interaction of chemical probes with sarcoplasmic reticulum membranes. Vale MG, et al. **Biochim Biophys Acta** 1980 Oct 2;601(3):620–9

Differentiation between Ca2+ transport and ATP-induced Ca2+ binding by sarcoplasmic reticulum. Vale MG, et al. **Biochim Biophys Acta** 1981 Apr 22;643(1):168–76

Permeability of reconstituted sarcoplasmic reticulum vesicles. Reconstitution of the K+, Na+ channel. Young RC, et al. **Biochim Biophys Acta** 1981 Jan 22;640(2):409–18

Fluorescence decay kinetics of pyrene in membrane vesicles. Liu BM, et al. **Biophys Chem** 1980 Dec;12(3–4):341–55

Myocardial failure and excitation--contraction uncoupling in canine endotoxin shock: role of histamine and the sarcoplasmic reticulum. Hess ML, et al. **Circ Shock** 1980; 7(3):277–87

Occlusion of divalent cations in the phosphorylated calcium pump of sarcoplasmic reticulum. Dupont Y. **Eur J Biochem** 1980 Aug;109(1):231–8

Variable Ca2+ transport:phosphoprotein ratios in the early part of the GTP-driven calcium-transport reaction of the sarcoplasmic reticulum. Fassold E, et al. **Eur J Biochem** 1981 Jan;113(3):611–6

Interference of nucleoside diphosphates and inorganic phosphate with nucleoside-triphosphate-dependent calcium fluxes and calcium-dependent nucleoside-triphosphate hydrolysis in membranes of sarcoplasmic-reticulum vesicles. Waas W, et al. **Eur J Biochem** 1981 Jun 1;116(3):601–8

Differential binding of vitamin E to sarcoplasmic reticulum from fast and slow muscles of the rabbit. Salviati G, et al. **Experientia** 1980 Oct 15;36(10):1140–1

The dependence for reactivation of lipid-depleted Ca2+-ATPase of sarcoplasmic reticulum by non-ionic detergents on their hydrophile/lipophile balance. Melgunov VI, et al. **FEBS Lett** 1980 Dec 1;121(2):235–8

Inulin exclusion volume of sarcoplasmic reticulum vesicles under various solvent conditions. Kasai M. **J Biochem (Tokyo)** 1980 Oct;88(4):1081–5

Heat production and proton release during the ATP-driven Ca uptake by fragmented sarcoplasmic reticulum from bullfrog and rabbit skeletal muscle. Kodama T, et al. **J Biochem (Tokyo)** 1980 Nov;88(5):1259–65

P1,P5-Di(adenosine-5')pentaphosphate(Ap5A) as an inhibitor of adenylate kinase in studies of fragmented sarcoplasmic reticulum from bullfrog skeletal muscle. Kurebayashi N, et al. **J Biochem (Tokyo)** 1980 Sep; 88(3):871–6

A role of H+ flux in active Ca2+ transport into sarcoplasmic reticulum vesicles. I. Effect of an artificially imposed H+ gradient on Ca2+ uptake. Ueno T, et al. **J Biochem (Tokyo)** 1981 Apr;89(4):1239–46

A role of H+ flux in active Ca2+ transport into sarcoplasmic reticulum vesicles. II. H+ ejection during Ca2+ uptake. Ueno T, et al. **J Biochem (Tokyo)** 1981 Apr;89(4):1247–52

Ca2+ uptake and membrane potential in sarcoplasmic reticulum vesicles. Beeler TJ. **J Biol Chem** 1980 Oct 10; 255(19):9156–61

Increased turnover of proteins from the sarcoplasmic reticulum of dystrophic chicken muscle cells in tissue culture. Ettienne EM, et al. **J Biol Chem** 1981 Jun 25; 256(12):6408–12

Calcium transport and monovalent cation and proton fluxes in sarcoplasmic reticulum vesicles. Meissner G. **J Biol Chem** 1981 Jan 25;256(2):636–43

Assembly of the sarcoplasmic reticulum. Cell-free synthesis of te Ca2+ + Mg2+-adenosine triphosphatase and calsequestrin. Reithmeier RA, et al. **J Biol Chem** 1980 Dec 25;255(24):11839–46

Evidence for a calcium-sensitive factor which alters the alkaline pH sensitivity of sarcoplasmic reticulum calcium transport. Tate CA, et al. **J Biol Chem** 1981 Mar 25; 256(6):2934–9

Nucleotide triphosphate utilization by cardiac and skeletal muscle sarcoplasmic reticulum. Evidence for a hydrolysis cycle not coupled to intermediate acyl phosphate formation and calcium translocation. Van Winkle WB, et al. **J Biol Chem** 1981 Mar 10;256(5):2268–74

The effect of the Ca2+-ATPase of sarcoplasmic reticulum upon activities of Na+, K+, and H3O+ ions. Wiggins PM. **J Biol Chem** 1980 Dec 10;255(23):11365–71

Equilibrium state of ATP-driven ion pumps in relation to physiological ion concentration gradients. Tanford C. **J Gen Physiol** 1981 Feb;77(2):223–9

Phosphorylation of heavy sarcoplasmic reticulum vesicles: identification and characterization of three phosphorylated proteins. Campbell KP, et al. **J Membr Biol** 1980 Oct 31; 56(3):241–8

Chloride-induced release of actively loaded calcium from light and heavy sarcoplasmic reticulum vesicles. Campbell KP, et al. **J Membr Biol** 1980;54(1):73–80

Ion-induced release of calcium from isolated sarcoplasmic reticulum. Caswell AH, et al. **J Membr Biol** 1981 Jan 30; 58(1):21–33

Rapid kinetic studies of active Ca2+ transport in sarcoplasmic reticulum. Chiu VC, et al. **J Membr Biol** 1980 Oct 31;56(3):219–39

Rapid kinetic study of the passive permeability of a Ca2+-ATPase rich fraction of the sarcoplasmic reticulum. Chiu VC, et al. **J Membr Biol** 1980 Oct 31;56(3):203–18

Isolation and characterization of proteolipids from sarcoplasmic reticulum. Knowles A, et al. **J Membr Biol** 1980 Aug 7;55(3):233–9

Ion movement accompanied by calcium uptake of sarcoplasmic reticulum vesicles studied through the osmotic volume change by the light scattering method. Kometani T, et al. **J Membr Biol** 1980 Sep 30;56(2):159–68

Proton and free oxygen radical interaction with the calcium transport system of cardiac sarcoplasmic reticulum. Hess ML, et al. **J Mol Cell Cardiol** 1981 Aug;13(8):767–72

Palmitic acid enhances calcium sequestration by isolated sarcoplasmic reticulum. Messineo FC, et al. **J Mol Cell Cardiol** 1980 Jul;12(7):725–32

Filipin-cholesterol complexes in the sarcoplasmic reticulum of frog skeletal muscle. Sommer JR, et al. **J Ultrastruct Res** 1980 Sep;72(3):272–85

Lack of involvement of sarcoplasmic reticulum in myopathy of acute phosphorous depletion. Kretz J, et al. **Klin Wochenschr** 1980 Aug 15;58(16):833–7

Low concentrations of fatty acids can inhibit calcium efflux from sarcoplasmic reticulum vesicles. Katz AM, et al. **Life Sci** 1981 Mar 9;28(10):1103–7

A comparison of sarcoplasmic reticulum function in fast and slow skeletal muscle using crude homogenate and isolated vesicles. Kim DH, et al. **Life Sci** 1981 May 18;28(20):2223–9

Time-dependent resistance to alkaline pH of oxalate-supported calcium uptake by sarcoplasmic reticulum. Tate CA, et al. **Life Sci** 1980 Oct 20; 27(16):1453–64

A thermal transition of passive calcium efflux in fragmented sarcoplasmic reticulum. Millman MS. **Membr Biochem** 1980;3(4):271–90

Kinetics of chlorotetracycline permeation in fragmented, ATPase-rich sarcoplasmic reticulum. Millman MS, et al. **Membr Biochem** 1980;3(4):291–315

Occluded bound calcium on the phosphorylated sarcoplasmic transport ATPase. Takisawa H, et al. **Nature** 1981 Mar 19;290(5803):271–3

Effect of immobilization of the ATPase activities and Ca-uptake of sarcoplasmic reticulum in different types of muscles. Jakab G, et al. **Physiologist** 1980 Dec;23(Suppl 6):S95–6

Calcium handling by cardiac sarcoplasmic reticulum. Jones LR, et al. **Tex Rep Biol Med** 1979;39:19–35

[Halothane-induced malignant hyperthermia (MH) in the Belgian Landrace breed of pigs: some findings concerning the role of subcellular fractions (author's transl)] van den Hende C, et al. **Tijdschr Diergeneeskd** 1980 Dec 15; 105(24):1054–9 (Eng. Abstr.) **(Dut)**

[Calcium transport in sarcoplasmic reticulum in the presence of AR-L 115 BS] Hasselbach W. **Arzneimittelforsch** 1981; 31(1a):191–3 (Eng. Abstr.) **(Ger)**

[Characterization of the calcium transport cycle of sarcoplasmic reticulum by inorganic phosphate including the function of magnesium (author's transl)] Plank B, et al. **Wien Klin Wochenschr** 1980;92(20):703–6 (Eng. Abstr.)

(Ger)

[Study of sarcoplasmic reticulum membrane permeability using potential-sensitive fluorescent probes] Pechatnikov VA, et al. **Biofizika** 1980 Nov-Dec;25(6):1048-55 (Eng. Abstr.) (Rus)

[Causative factor of Ca2+ transport reduction by sarcoplasmic reticulum fragments under the action of acetylcholine] Esyrev OV, et al. **Biokhimiia** 1980 Jan; 45(1):103-8 (Eng. Abstr.) (Rus)

[Oligomerization of integral membrane proteins under lipid peroxidation] Korchagin VP, et al. **Biokhimiia** 1980 Oct; 45(10):1767-72 (Eng. Abstr.) (Rus)

[Changes in spatial organization in sarcoplasmic reticulum membranes in rabbits with experimental thyrotoxicosis] Marzoev AI, et al. **Biull Eksp Biol Med** 1981 Mar; 91(3):334-5 (Eng. Abstr.) (Rus)

[Calcium transporting system of the myocardial sarcoplasmic reticulum in experimental coronary circulatory disorders] Frol'kis RA, et al. **Fiziol Zh** 1981 Mar-Apr;27(2):276-8 (Rus)

[Contractile capacity of bundles of glycerinated fibers, calcium binding and absorption by fragmented myocardial sarcoplasmic reticulum following hypothalamic stimulation] Karsanov NV, et al. **Fiziol Zh** 1981 Mar-Apr; 27(2):253-5 (Rus)

[Effect of ammonium ions on calcium release from fragmented sarcoplasmic reticulum] Kurskii MD, et al. **Ukr Biokhim Zh** 1980 Nov-Dec;52(6):737-41 (Eng. Abstr.) (Rus)

[Participation of intracellular membrane systems of the myocardium in the development of cardiac hypertrophy (author's transl)] Fizel' A, et al. **Bratisl Lek Listy** 1981 Jan;75(1):10-5 (Eng. Abstr.) (Slo)

PHYSIOLOGY

Function of the sarcoplasmic reticulum (SR) in hypophosphatemic myopathy. Kreusser W, et al. **Adv Exp Med Biol** 1980;128:313-21

Calcium transport by cardiac sarcoplasmic reticulum: modulation of halothane action by substrate concentration and pH. Blanck TJ, et al. **Anesth Analg (Cleve)** 1981 Jun; 60(6):390-4

Evidence for a calcium-gated cation channel in sarcoplasmic reticulum vesicles. Bennett N, et al. **FEBS Lett** 1981 Jun 15;128(2):269-74

Donnan potential in sarcoplasmic reticulum vesicles measured by using a fluorescent cyanine dye. Yamamoto N, et al. **J Biochem (Tokyo)** 1980 Nov;88(5):1425-35

Ionic selectivity, saturation, and block in a K+-selective channel from sarcoplasmic reticulum. Coronado R, et al. **J Gen Physiol** 1980 Oct;76(4):425-46

Thermodynamic and kinetic studies of the gating behavior of a K+-selective channel from the sarcoplasmic reticulum membrane. Labarca P, et al. **J Gen Physiol** 1980 Oct; 76(4):397-24

Measurement of surface potential and surface charge densities of sarcoplasmic reticulum membranes. Chiu VC, et al. **J Membr Biol** 1980 Sep 30;56(2):121-32

The effect of exercise-training on sarcoplasmic reticulum function in fast and slow skeletal muscle. Kim DH, et al. **Life Sci** 1981 Jun 8;28(23):2671-7

Intrinsic birefringence signal preceding the onset of contraction in heart muscle. Weiss R, et al. **Science** 1981 Aug 7;213(4508):663-6

PHYSIOPATHOLOGY

Contractile proteins and sarcoplasmic reticulum in physiologic cardiac hypertrophy. Malhotra A, et al. **Am J Physiol** 1981 Aug;241(2):H263-7

Depressed cardiac sarcoplasmic reticular function from diabetic rats. Penpargkul S, et al. **J Mol Cell Cardiol** 1981 Mar;13(3):303-9

RADIATION EFFECTS

X irradiation of isolated sarcoplasmic reticulum vesicles. McConnell V, et al. **Radiat Res** 1981 Mar;85(3):505-15

ULTRASTRUCTURE

T-tubules, couplings and myofibrillar arrangements in rat atrial myocardium. Leeson TS. **Acta Anat (Basel)** 1980; 108(3):374-88

Study on structural elements of sarcomere: structure of thick filaments in muscle and after isolation. Allakhverdov BL, et al. **Acta Histochem [Suppl] (Jena)** 1981;23:83-7

Three-dimensional electron microscopy of mitochondria and endoplasmic reticulum in the red muscle fiber of the rat diaphragm. Rambourg A, et al. **Anat Rec** 1980 May; 197(1):33-48

Further characterization of light and heavy sarcoplasmic reticulum vesicles. Identification of the 'sarcoplasmic reticulum feet' associated with heavy sarcoplasmic reticulum vesicles. Campbell KP, et al. **Biochim Biophys Acta** 1980 Oct 16;602(1):97-116

Structural and functional lability induced by diethyl ether on the sarcoplasmic reticulum membrane. Kidd P, et al. **Biochim Biophys Acta** 1981 Jul 6;645(1):124-31

31P-NMR studies of oriented multilayers formed from isolated sarcoplasmic reticulum and reconstituted sarcoplasmic reticulum. McLaughlin AC, et al. **Biochim Biophys Acta** 1981 Apr 22;643(1):1-16

Isopycnic-zonal centrifugation of plasma membrane, sarcoplasmic reticular fragments, lysosomes, and cytoplasmic proteins from phasic skeletal muscle. Stauber WT, et al. **Biochim Biophys Acta** 1981 Jan 8;640(1):285-97

Stereological analysis of freeze-fracture subfractions from skeletal muscle. I. Relative intrinsic protein. II. Relative lipid content and protein-to-lipid ratio. Scales DJ. **Biophys J** 1981 Mar;33(3):409-18

The membrane morphology of the neuromuscular junction, sarcolemma, sarcoplasmic reticulum and transverse tubule system in murine muscular dystrophy studied by freeze-fracture electron microscopy. Ellisman MH. **Brain Res** 1981 Jun 15;214(2):261-73

Postnatal differentiation of ventricular myocardial cells of the opossum (Didelphis virginiana Kerr) and T-tubule formation. Hirakow R, et al. **Cell Tissue Res** 1980; 210(1):95-100

Correlation between ultrastructural and functional changes in sarcoplasmic reticulum during chronic stimulation of fast muscle. Heilman C, et al. **J Membr Biol** 1981 Apr 15; 59(2):143-9

Aspects of the mammalian cardiac sarcotubular system revealed by freeze fracture electron microscopy. Scales DJ. **J Mol Cell Cardiol** 1981 Apr;13(4):373-80

Sarcoplasmic bodies in distal myopathy compared with nemaline rods. Edström L, et al. **J Neurol Sci** 1981 Mar; 49(3):341-52

Activation of the contractile system in crustacean muscle: ultrastructural evidence for the role of the T system. Crowe LM, et al. **Tissue Cell** 1981;13(1):153-64

Discontinuity of sarcoplasmic reticulum in the mid-sarcomere region in flight muscle of dragonflies. de Eguileor M, et al. **Tissue Cell** 1980;12(4):749-59

Architecture of the T-system in helical paramyosin muscles of an annelid (Branchiobdella). de Eguileor M, et al. **Tissue Cell** 1980;12(4):739-47

Structures located at the levels of the Z bands in mouse ventricular myocardial cells. Forbes MS, et al. **Tissue Cell** 1980;12(3):467-89

SARCOPTES SCABIEI

PHYSIOLOGY

Survival of Sarcoptes scabiei [letter] Estes SA, et al. **J Am Acad Dermatol** 1981 Sep;5(3):343

Survival of Sarcoptes scabiei [letter] Ong GP, et al. **J Am Acad Dermatol** 1981 Jan;4(1):96-7

Survival of Sarcoptes scabiei [letter] Stone SP, et al. **J Am Acad Dermatol** 1980 Aug;3(2):208-9

[Life cycle of scabies mite (Sarcoptes scabiei var. hominis) studied by scanning electron microscopy (author's transl)] Van Neste D, et al. **Ann Dermatol Venereol** 1981; 108(4):355-61 (Eng. Abstr.) (Fre)

SARCOSINE

ANALOGS & DERIVATIVES

Adsorption of proteins from the Spiroplasma citri cell membrane by magnesium lauroyl-sarcosinate crystals. Wróblewski H, et al. **Biochimie** 1981 Mar;63(3):177-86

[N-nitrososarcosine formation from predecessors in the body] Zhukova GF, et al. **Vopr Pitan** 1981 Jan-Feb;(1):64-6 (Eng. Abstr.) (Rus)

METABOLISM

Biochemical studies in a patient with defects in the metabolism of acyl-CoA and sarcosine: another possible case of glutaric aciduria type II. Gregersen N, et al. **J Inherited Metab Dis** 1980;3(3):67-72

1-SARCOSINE-8-ISOLEUCINE ANGIOTENSIN II see under **ANGIOTENSIN II**

SARCOSOMES see **MITOCHONDRIA, MUSCLE**

SARCOSPORIDIA

ANALYSIS

Characteristic proteins of micronemes and dense granules from Sarcocystis tenella zoites (Protozoa, Coccidia). Dubremetz JF, et al. **Mol Biochem Parasitol** 1980 Sep; 1(5):279-89

CLASSIFICATION

Sarcocystosis in cattle and sheep at Prague abattoir. Cerná Z, et al. **Folia Parasitol (Praha)** 1981;28(2):125-9

CYTOLOGY

The morphology of cysts of Sarcocystis infecting birds in western Canada. Drouin TE, et al. **Can J Zool** 1980 Aug; 58(8):1477-82

Two types of ovine Sarcocystis macrocysts distinguished by periodic acid-Schiff staining of the cyst walls. Moore S. **NZ Vet J** 1980 May;28(5):101-2

GROWTH & DEVELOPMENT

Some observations on the gametogonic development of Sarcocystis cuniculi of the common European rabbit in a feline fibroblast cell line. Tadros W, et al. **Acta Leiden** 1979;47:45-52

Sarcocystis singaporensis Zaman and Colley, (1975) 1976, Sarcocystis villivilliso sp. n., and Sarcocystis zamani sp. n.: development, morphology, and persistence in the laboratory rat, Rattus norvegicus. Beaver PC, et al. **J Parasitol** 1981 Apr;67(2):241-56

Development and ultrastructure of first-generation meronts of Sarcocystis cruzi in calves fed sporocysts from coyote feces. Dubey JP, et al. **J Protozool** 1980 Nov;27(4):380-7

The dog (Canis familiaris) as the final host of Sarcocystis cameli (Mason, 1910). Hilali M, et al. **Tropenmed Parasitol** 1980 Jun;31(2):213-4

Electron microscopic studies on the development of Sarcocystis capracanis in experimentally infected goats. Aryeetey M, et al. **Zentralbl Bakteriol [A]** 1980; 247(4):543-56

[Schizogony of Sarcocystis suis in swine] Heydorn AO, et al. **Berl Muench Tieraerztl Wochenschr** 1981 Feb 1; 94(3):49-51 (Eng. Abstr.) (Ger)

IMMUNOLOGY

The detection of circulating antibodies against Sarcocystis in human and bovine sera by the enzyme-linked immunosorbent assay (ELISA) technique. Tadros W, et al. **Acta Leiden** 1979;47:53-63

The absence of cross reaction between toxoplasmic and sarcocystic tissue stage antigens in the enzyme-linked immunosorbent assay (ELISA) technique [letter] Tadros W, et al. **Trans R Soc Trop Med Hyg** 1981;75(1):125-6

Hematology of experimental acute Sarcocystis bovicanis infection in calves. I. Cellular and serologic changes. Fayer R, et al. **Vet Pathol** 1981 May;18(3):351-7

ISOLATION & PURIFICATION

Evidence for Sarcocystis as the etiologic agent of equine protozoal myeloencephalitis. Simpson CF, et al. **J Protozool** 1980 Aug;27(3):288-92

The occurrence of a sporozoan in the myocardium of short-tailed shrew (Blarina brevicauda). Huffman JE, et al. **J Wildl Dis** 1981 Apr;17(2):209-12

PATHOGENICITY

Studies on Sarcocystis species VII: the effect of temperature on the viability of macrocysts (Sarcocystis gigantea) of sheep. Collins GH, et al. **NZ Vet J** 1980 Sep;28(9):189-91

[Experimental infection in man and monkey (Cercopithecus callitrichus) by sarcosporidian cysts of cattle and swine] Hiepe F, et al. **Arch Exp Veterinaermed** 1979;33(6):819-30 (Eng. Abstr.) (Ger)

PHYSIOLOGY

[Studies of survival of sporocysts as well as oocysts of Sarcocystis, Toxoplasma, Hammondia and Eimeria under laboratory and natural climatic conditions] Bergler KG, et al. **Berl Muench Tieraerztl Wochenschr** 1980 Aug; 93(15):288-93 (Eng. Abstr.) (Ger)

[Resistance of Sarcocystis bovicanis sporocysts] Heydorn AO. **Berl Muench Tieraerztl Wochenschr** 1980 Jul 15; 93(14):267-70 (Eng. Abstr.) (Ger)

ULTRASTRUCTURE

Scanning electron microscopy of Sarcocystis fusiformis from the water buffalo (Bubalus bubalis). Zaman V, et al. **Southeast Asian J Trop Med Public Health** 1980 Jun; 11(2):205-11

[Electron microscopic study of the division processes in cysts of the sarcosporidian, Sarcocystis, ovifelis] Kazakauskaite IaS. **Tsitologiia** 1980 Oct;22(10):1170-5 (Eng. Abstr.) (Rus)

[Electron microscopic study of the cyst of the sarcosporidian, Sarcocystis ovifelis] Kazakauskaite IaS, et al. **Tsitologiia** 1980 Oct;22(10):1163-9 (Eng. Abstr.) (Rus)

SARCOSPORIDIOSIS

COMPLICATIONS

Necrotizing vasculitis and Sarcocystis: a cause-and-effect relationship? McLeod R, et al. **South Med J** 1980 Oct; 73(10):1380-3

OCCURRENCE

[Incidence and clinical aspects of intestinal coccidiosis in a tropical medicine practice] Deluol AM, et al. **Bull Soc Pathol Exot Filiales** 1980 May-Jun;73(3):259-65 (Fre)

PARASITOLOGY

Sarcocystis singaporensis Zaman and Colley, (1975) 1976, Sarcocystis villivilliso sp. n., and Sarcocystis zamani sp. n.: development, morphology, and persistence in the laboratory rat, Rattus norvegicus. Beaver PC, et al. **J Parasitol** 1981 Apr;67(2):241-56

[Experimental infection in man and monkey (Cercopithecus callitrichus) by sarcosporidian cysts of cattle and swine] Hiepe F, et al. **Arch Exp Veterinaermed** 1979;33(6):819-30 (Eng. Abstr.) (Ger)

PATHOLOGY

Myofiber damage accompanying intramuscular parasitism by Sarcocystis muris. Viles JM, et al. **Tissue Cell** 1981; 13(1):45–60

VETERINARY

Sarcocystis infection and myocardial pathological changes in cattle from south-eastern Norway. Bratberg B, et al. **Acta Vet Scand** 1980;21(3):395–401

Plasma progesterone concentration in the bovine before abortion or parturition in pregnant animals exposed to Sarcocystis cruzi, Campylobacter fetus, or Aspergillus fumigatus. Baetz AL, et al. **Am J Vet Res** 1980 Nov; 41(11):1767–8

Prepartum changes of plasma concentrations of prostaglandin F and 13,14-dihydro-15-ketoprostaglandin metabolites in pregnant animals exposed to Sarcocystis cruzi or Campylobacter fetus. Baetz AL, et al. **Am J Vet Res** 1981 Jan;42(1):22–4

Development of immunity to sarcocystosis in dairy goats. Dubey JP. **Am J Vet Res** 1981 May;42(5):800–4

Coyote as a final host for Sarcocystis species of goats, sheep, cattle, elk, bison, and moose in Montana. Dubey JP. **Am J Vet Res** 1980 Aug;41(8):1227–9

Sarcocystis species in moose (Alces alces), bison (Bison, bison), and pronghorn (Antilocapra americana) in Montana. Dubey JP. **Am J Vet Res** 1980 Dec;41(12):2063–5

Experimentally induced bovine sarcocystosis: correlation of in vitro lymphocyte function with structural changes in lymphoid tissue. Frelier PF. **Am J Vet Res** 1980 Aug; 41(8):1201–7

Sarcocystis infections in Georgia swine. Prestwood AK, et al. **Am J Vet Res** 1980 Nov;41(11):1879–81

The morphology of cysts of Sarcocystis infecting birds in western Canada. Drouin TE, et al. **Can J Zool** 1980 Aug; 58(8):1477–82

Sarcocystosis in cattle and sheep at Prague abattoir. Cerná Z, et al. **Folia Parasitol (Praha)** 1981;28(2):125–9

Sarcocystosis in goats: clinical signs and pathologic and hematologic findings. Dubey JP, et al. **J Am Vet Med Assoc** 1981 Apr 1;178(7):683–99

Abortion and death in goats inoculated with Sarcocystis sporocysts from coyote feces. Dubey JP. **J Am Vet Med Assoc** 1981 Apr 1;178(7):700–3

Sarcosporidiosis in the ringed seal. Migaki G, et al. **J Am Vet Med Assoc** 1980 Nov 1;177(9):917–8

Amprolium toxicity.–Apparent difference in susceptibility between penned and pastured sheep [letter] Munday BL. **J Parasitol** 1981 Apr;67(2):149

Development and ultrastructure of first-generation meronts of Sarcocystis cruzi in calves fed sporocysts from coyote feces. Dubey JP, et al. **J Protozool** 1980 Nov;27(4):380–7

Evidence for Sarcocystis as the etiologic agent of equine protozoal myeloencephalitis. Simpson CF, et al. **J Protozool** 1980 Aug;27(3):288–92

Transmission studies with Sarcocystis idahoensis of deer mice (Peromyscus maniculatus) and gopher snakes (Pituophis melanoleucus). Bledsoe B. **J Wildl Dis** 1980 Apr; 16(2):195–200

Sarcocystis of passerine birds: sexual stages in the opossum (Didelphis virginiana). Box ED, et al. **J Wildl Dis** 1980 Apr;16(2):209–15

The occurrence of a sporozoan in the myocardium of short-tailed shrew (Blarina brevicauda). Huffman JE, et al. **J Wildl Dis** 1981 Apr;17(2):209–12

Sarcocystis in wild ungulates in Alberta. Mahrt JL, et al. **J Wildl Dis** 1980 Oct;16(4):571–6

Sarcocystis and related organisms in Australian Wildlife: IV. Studies on Sarcocystis cuniculi in European rabbits (Oryctolagus cuniculus). Munday BL, et al. **J Wildl Dis** 1980 Apr;16(2):201–4

Studies on Sarcocystis species VI: a comparison of three methods for the detection of Sarcocystis species in muscle. Collins GH, et al. **NZ Vet J** 1980 Sep;28(9):173

Host reaction to Sarcocystis in goats. Collins GH. **NZ Vet J** 1980 Nov;28(11):244

Studies in Sarcocystis species V: a species infecting dogs and goats; observations on the pathology and serology of experimental sarcocystosis in goats. Collins GH, et al. **NZ Vet J** 1980 Aug;28(8):156–8

Coccidia (Protozoa: Sporozoasida) of cats and dogs. II. Experimental induction of Sarcocystis infections in mice. McKenna PB, et al. **NZ Vet J** 1980 Jun;28(6):117–9

Two types of ovine Sarcocystis macrocysts distinguished by periodic acid-Schiff staining of the cyst walls. Moore S. **NZ Vet J** 1980 May;28(5):101–2

Hematology of experimental acute Sarcocystis bovicanis infection in calves. I. Cellular and serologic changes. Fayer R, et al. **Vet Pathol** 1981 May;18(3):351–7

Hematology of experimental acute Sarcocystis bovicanis infection in calves. II. Serum biochemistry and hemostasis studies. Prasse KW, et al. **Vet Pathol** 1981 May; 18(3):358–67

Electron microscopic studies on the development of Sarcocystis capracanis in experimentally infected goats. Aryeetey M, et al. **Zentralbl Bakteriol [A]** 1980; 247(4):543–56

[Economic importance of sarcosporidiosis (Sarcocystis suicanis) in fattening swine. Evaluation of a field trial] Boch J, et al. **Berl Muench Tieraerztl Wochenschr** 1980 Nov 1; 93(21):420–3 (Eng. Abstr.) **(Ger)**

[Schizogony of Sarcocystis suis in swine] Heydorn AO, et al. **Berl Muench Tieraerztl Wochenschr** 1981 Feb 1; 94(3):49–51 (Eng. Abstr.) **(Ger)**

[Chemoprophylaxis and therapy of acute sarcosporidiosis] Heydorn AO, et al. **Berl Munch Tieraerztl Wochenschr** 1981 Jun 1;94(11–12):229–34 (Eng. Abstr.) **(Ger)**

[Pathologico-anatomical changes and the development of immunity in Sarcocystis suicanis infection] Zielasko B, et al. **Berl Munch Tieraerztl Wochenschr** 1981 Jun 1; 94(11–12):223–8 (Eng. Abstr.) **(Ger)**

[Sarcosporidiosis of the myocardium] Ciampi Roti A. **Arch De Vecchi Anat Patol** 1979 Mar;63(3):481–90 (42 ref.) **(Ita)**

SARIN see under **ORGANOPHOSPHORUS COMPOUNDS**

SARKOLYSIN see **MELPHALAN**

SATELLITE DNA see **DNA, SATELLITE**

SATELLITE VIRUSES

GENETICS

DNA of avian myeloblastosis-associated virus type 2 integrates at multiple sites in the chicken genome. Bergmann DG, et al. **J Virol** 1980 Sep;35(3):968–71

Identification of the avian myeloblastosis virus genome. II. Restriction endonuclease analysis of DNA from lambda proviral recombinants and leukemic myeoblast clones. Souza LM, et al. **J Virol** 1980 Nov;36(2):325–36

IMMUNOLOGY

Neutralizing antibodies to CELO and avian adenovirus-associated viruses in the albumen of chicken eggs. Dawson GJ, et al. **Avian Dis** 1980 Oct–Dec; 24(4):890–5

SATIATION

Gastric fat content and satiety. Deutsch JA, et al. **Physiol Behav** 1981 Apr;26(4):673–6

Sensory specific satiety in man. Rolls BJ, et al. **Physiol Behav** 1981 Jul;27(1):137–42

Effects of bogus preloads on the eating behavior of obese, normal, and below set-point normal women. Doerman AL, et al. **Psychol Rep** 1981 Jun;48(3):747–50

Vagotomy abolishes cues of satiety produced by gastric distension. Gonzalez MF, et al. **Science** 1981 Jun 12; 212(4500):1283–4

DRUG EFFECTS

Cholecystokinin and satiety in pigs. Anika SM, et al. **Am J Physiol** 1981 May;240(5):R310–8

Distinctions among three sugars in their effects on gastric emptying and satiety. Moran TH, et al. **Am J Physiol** 1981 Jul;241(1):R25–30

Peripheral and intrahypothalamic cholecystokinin act on the noradrenergic 'feeding circuit' in the rat's diencephalon. Myers RD, et al. **Neuroscience** 1981;6(4):645–55

Bombesin elicits satiety in sham feeding rats. Martin CF, et al. **Peptides (Fayetteville)** 1980 Summer;1(2):131–4

Cholecystokinin satiety and orosensory feedback. Gosnell B, et al. **Physiol Behav** 1981 Jul;27(1):153–6

Decreased sensitivity of Zucker obese rats to the putative satiety agent cholecystokinin. McLaughlin CL, et al. **Physiol Behav** 1980 Oct;25(4):543–8

Obese mice and the satiety effects of cholecystokinin, bombesin and pancreatic polypeptide. McLaughlin CL, et al. **Physiol Behav** 1981 Mar;26(3):433–7

Abdominal vagotomy blocks the satiety effect of cholecystokinin in the rat. Smith GP, et al. **Science** 1981 Aug 28;213(4511):1036–7

PHYSIOLOGY

Satiety and inhibition of vasopressin secretion after drinking in dehydrated dogs. Thrasher TN, et al. **Am J Physiol** 1981 Apr;240(4):E394–401

Gastric nutrient content signals satiety. Deutsch JA, et al. **Behav Neural Biol** 1980 Sep;30(1):113–6

The measurement of gastric transit time in obese subjects using 24Na and the effects of energy content and guar gum on gastric emptying and satiety. Wilmshurst P, et al. **Br J Nutr** 1980 Jul;44(1):1–6

CNS control over gill reflex behaviors in Aplysia: satiation causes an increase in the suppressive control in older but not young animals. Lukowiak K. **J Neurobiol** 1980 Nov; 11(6):591–611

Intravenous self-administration of etonitazene, cocaine and phencyclidine in rats during food deprivation and satiation. Carroll ME, et al. **J Pharmacol Exp Ther** 1981 May; 217(2):241–7

Alterations in brain cholecystokinin receptors after fasting. Saito A, et al. **Nature** 1981 Feb 12;289(5798):599–600

The effects of satiation after first- and second-order appetitive conditioning in rats. Holland PC. **Pavlov J Biol Sci** 1981 Jan–Mar;16(1):18–24

Insulin as a satiety hormone. Anika SM, et al. **Physiol Behav** 1980 Jul;25(1):21–3

Satiation evoked by distension of the small intestine in water deprived rats. Bárdos G, et al. **Physiol Behav** 1981 Jan; 26(1):7–12

Hunger and satiety as conditioned reflexes. Booth DA. **Res Publ Assoc Res Nerv Ment Dis** 1981;59:143–63

Cholecystokinin antibody injected in cerebral ventricles stimulates feeding in sheep. Della-Fera MA, et al. **Science** 1981 May 8;212(4495):687–9

Mechanisms of satiety and gastric emptying after gastric partitioning and bypass. Villar HV, et al. **Surgery** 1981 Aug; 90(2):229–36

SATIETY RESPONSE see under **SATIATION**

SAUNA see **BATHS, FINNISH**

SAXITOXIN

ANALYSIS

Use of fluorometry for the determination of Gonyaulax tamarensis var. excavata toxins in New England shellfish. Shoptaugh NH, et al. **J Agric Food Chem** 1981 Jan–Feb; 29(1):198–200

Size characteristics of the solubilized saxitoxin receptor of the voltage-sensitive sodium channel from rat brain. Hartshorne RP, et al. **J Biol Chem** 1980 Nov 25; 255(22):10572–5

[Determination of saxitoxin in canned shellfish (author's transl)] Hellwig E, et al. **Z Lebensm Unters Forsch** 1980 Sep;171(3):165–9 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Estimate of the molecular weight of the sarcolemmal sodium channel using H2O–D2O centrifugation. Barchi RL, et al. **J Neurochem** 1981 Jun;36(6):2097–100

Molecular characterization, reconstitution, and 'transport-specific fractionation' of the saxitoxin binding protein/Na+ gate of mammalian brain. Goldin SM, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6884–8

METABOLISM

Saxitoxin binding in nerves from walking legs of the lobster Homarus americanus. Two classes of receptors. Strichartz GR, et al. **J Gen Physiol** 1981 Feb;77(2):205–21

3H-saxitoxin binding to nerve membranes: inhibition by phospholipase A2 and by unsaturated fatty acids. Baumgold J. **J Neurochem** 1980 Feb;34(2):327–34

Ultraviolet irradiation produces loss of saxitoxin binding to sodium channels in rat synaptosomes. Weigele JB, et al. **J Neurochem** 1980 Aug;35(2):430–5

Transformation of paralytic shellfish toxins as demonstrated in scallop homogenates. Shimizu Y, et al. **Science** 1981 May 1;212(4494):547–9

PHARMACODYNAMICS

Tetrodotoxin, saxitoxin, chiriquitoxin: new perspectives on ionic channels. Kao CY. **Fed Proc** 1981 Jan;40(1):30–5

Properties of toxin-resistant sodium channels produced by chemical modification in frog skeletal muscle. Spalding BC. **J Physiol (Lond)** 1980 Aug;305:485–500

POISONING

[Paralysing shell fish poisoning] Grimard D, et al. **Union Med Can** 1981 Feb;110(2):144–50 **(Fre)**

[Paralytic poisoning caused by mollusks] Noya M, et al. **Rev Clin Esp** 1981 Mar 15;160(5):283–6 **(Spa)**

SC 19220 see under **DIBENZOXAZEPINES**

SCABIES

COMPLICATIONS

[Association of atopic eczema, IgA linear bullous dermatosis and crusted scabies] Leroy D, et al. **Ann Dermatol Venereol** 1980;107(10):933–6 **(Fre)**

[Child scabies in Nouvelle-Calédonie: its complications in general, and renal in particular (author's transl)] Thevenieau D. **Med Trop (Mars)** 1981 Mar-Apr; 41(2):201–5 (Eng. Abstr.) **(Fre)**

[Bullous scabies in hereditary dystrophic epidermolysis bullosa] Ponce-Navárez E, et al. **Hautarzt** 1981 Feb; 32(2):96–7 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Neonatal scabies [letter] Dolezai JF, et al. **Am J Dis Child** 1980 Oct;134(10):1003–4

The Burrow Ink Test and the scabies mite. Woodley D, et al. **J Am Acad Dermatol** 1981 Jun;4(6):715–22

Scabies presenting as urticaria. Chapel TA, et al. **JAMA** 1981 Sep 25;246(13):1440–1

[Sarcoptidae/itch mites (author's transl)] Rufli T, et al. **Praxis** 1981 Mar 3;70(10):414–29 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Treatment of scabies: preliminary report. Amer M, et al. **Int J Dermatol** 1981 May;20(4):289–90

[Separation, identification, and detection limits of constituents of HCH ointment (an antiscabies agent) on instant thin-layer chromatography sheets] Thielemann H.

Pharmazie 1980;35(7):440 **(Ger)**
[Experimental substantiation of treatment of scabies and pediculosis with benzyl benzoate] Levkov AA.
Vestn Dermatol Venerol 1980 Dec;(12):28–31 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Serum IgE before and after treatment for scabies. Falk ES.
Allergy 1981 Apr;36(3):167–74
IgE antibodies to house dust mite in patients with scabies. Falk ES, et al. **Br J Dermatol** 1980 Sep;103(3):283–8
In vitro demonstration of specific immunological hypersensitivity to scabies mite. Falk ES, et al.
Br J Dermatol 1980 Oct;103(4):367–73
HLA antigens in patients with scabies. Falk ES, et al.
Br J Dermatol 1981 Mar;104(3):317–20
Immunologic studies in scabies. Van Neste D.
Int J Dermatol 1981 May;20(4):264–9
Dermatoimmunopathology of scabies. Hoefling KK, et al.
J Am Acad Dermatol 1980 Sep;3(3):237–40

NURSING

Nursing management of patients with scabies and lice. Minster J. **Nurs Clin North Am** 1980 Dec;15(4):747–56

OCCURRENCE

Scabies in institutions. **J Iowa Med Soc** 1981 Feb;71(2):78–9
Field trials on the management of scabies in Jengka Triangle, Pahang. Kaur GA, et al. **Med J Malaysia** 1980 Sep; 35(1):14–21

PARASITOLOGY

Scabies. Jagavkar CK. **Q Med Rev** 1980 Jul;31(3):1–31
[Life cycle of scabies mite (Sarcoptes scabiei var. hominis) studied by scanning electron microscopy (author's transl)] Van Neste D, et al. **Ann Dermatol Venereol** 1981; 108(4):355–61 (Eng. Abstr.) **(Fre)**

PREVENTION & CONTROL

Epidemiological study of scabies and community control. Srivastava BC, et al. **J Commun Dis** 1980 Sep;12(3):134–8

THERAPY

Management of parasitic dermatoses. Hati AK, et al.
Indian J Dermatol 1979 Oct;24(5):1–3

TRANSMISSION

Sexually transmitted diseases. Part II. Syphilis, chlamydias, herpes and scabies. Ramírez Ronda CH, et al.
Bol Asoc Med PR 1980 Oct;72(10):530–42
[Epidemiology of scabies. 4 Results of parasitological examination (author's transl)] Palička P, et al.
Cesk Epidemiol Mikrobiol Imunol 1980 Dec;29(6):345–50 (Eng. Abstr.) **(Cze)**

VETERINARY

Association of Malassezia (Pityrosporum) pachydermatis with sarcoptic mange in New York State. Salkin IF, et al. **J Wildl Dis** 1980 Oct;16(4):509–14
The effect of exposure to mites, Psoroptes ovis (Acarina: Psoroptidae), on calves of varying susceptibility to common scabies. Meleney WP, et al.
Proc Annu Meet US Anim Health Assoc 1979;(83):340–6
Efficacy of ivermectin against Sarcoptes scabiei in pigs. Lee RP, et al. **Vet Rec** 1980 Nov 29;107(22):503–5
Sheep scab [letter] Rees WH. **Vet Rec** 1981 Feb 28;108(9):193

SCALA TYMPANI see under **COCHLEA**

SCALENUS ANTICUS SYNDROME

COMPLICATIONS

[Arterial occlusion and thoracic outlet syndrome. One case (letter)] Lejonc JL, et al. **Nouv Presse Med** 1980 May 10; 9(21):1521 **(Fre)**
[Acral ischemia (Raynaud's phenomenon) in nervous system and vascular compression-stretching syndromes in the thoracic outlet syndrome] Beaujean MA, et al.
Rev Med Liege 1980 Oct 1;35(19):645–50 **(Fre)**
[Thoracic pain and anomaly of the thoracic outlet (author's transl)] Missoum A, et al. **Sem Hop Paris** 1981 Jun 18–25; 57(25–28):1221–2 (Eng. Abstr.) **(Fre)**
[Occlusion of the finger arteries as a complication of thoracic outlet syndrome] Dunant JH. **Vasa** 1980;9(3):246–9 (Eng. Abstr.) **(Ger)**
[Vascular lesions in the 'neuro-vascular compression syndrome' of the upper limb] Forlini A, et al.
Ann Ital Chir 1980;52(1):81–9 **(Ita)**
[Subclavian artery aneurysm resulting from scalene syndrome and cervical rib] Jiménez Cossio JA, et al. **Angiologia** 1981 Mar–Apr;33(2):86–92 (Eng. Abstr.) **(Spa)**

DIAGNOSIS

Diagnostics and therapy of the thoracic outlet syndromes. Hájek M, et al. **Acta Univ Carol [Med] (Praha)** 1978; 24(5–6):227–87
Modern concepts of diagnosis and management of thoracic outlet syndrome. Voegele LD, et al. **J SC Med Assoc** 1980 Sep;76(9):409–12
Thoracic outlet syndrome. Crawford FA Jr.
Surg Clin North Am 1980 Aug;60(4):947–56 (31 ref.)
Evoked responses in the diagnosis of thoracic outlet syndrome. Glover JL, et al. **Surgery** 1981 Jan;89(1):86–93
[Diagnosis and management of thoracic outlet syndrome] Tateishi A. **Nippon Seikeigeka Gakkai Zasshi** 1980 Aug; 54(8):817–27 **(Jpn)**

ETIOLOGY

Thoracic outlet syndrome secondary to childhood poliomyelitis. Knuckey NW, et al. **Clin Exp Neurol** 1979; 16:27–30
The thoracic outlet syndrome produced by costochondritis. Pasquariello PS Jr, et al. **Clin Pediatr (Phila)** 1981 Sep; 20(9):602–3
[The poststenotic subclavian artery dilatation (author's transl)] Salcuni P, et al.
Ateneo Parmense [Acta Biomed] 1980;51(6):487–93 (Eng. Abstr.) **(Ita)**

FAMILIAL & GENETIC

[A familial case of thoracic outlet syndrome. Clinical, radiological study with treatment (author's transl)] Boles JM, et al. **Sem Hop Paris** 1981 Jun 18–25;57(25–28):1172–6 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Pathophysiology of congenital anomalies in thoracic outlet syndrome. Roos DB. **Acta Chir Belg** 1980 Sep–Oct; 79(5):353–61

PHYSIOPATHOLOGY

The thoracic outlet syndrome: an assessment of 20 cases with regard to new clinical and electromyographic findings. Glassenberg M. **Angiology** 1981 Mar;32(3):180–6

RADIOGRAPHY

[Thoracic outlet syndrome (author's transl)] Mielecki T.
Pol Przegl Radiol 1980 Jan–Feb;44(1):45–52 (Eng. Abstr.) **(Pol)**

REHABILITATION

The cervical pillow. Chattopadhyay A.
J Indian Med Assoc 1980 Jul;75(1):6–9

SURGERY

Recurrent thoracic outlet syndrome after first rib resection. Roos DB. **Acta Chir Belg** 1980 Sep–Oct;79(5):363–72
Supraclavicular resection of the first rib for thoracic outlet syndrome. Hempel GK, et al. **Am J Surg** 1981 Feb; 141(2):213–5
Subclavicular approach to first rib resection. Murphy TO, et al. **Am J Surg** 1980 May;139(5):634–6
The thoracic outlet compression syndrome. Parry E.
Aust NZ J Surg 1981 Feb;51(1):84–91
Thoracic outlet syndrome: a review of 67 cases. Martens V, et al. **Can J Surg** 1980 Jul;23(4):357–8
Thoracic outlet syndrome. Williams CD.
J Indiana State Med Assoc 1981 Aug;74(8):510–1
[Surgical aspects and results of treatment of the thoracic-outlet syndrome (author's transl)] Gruss JD, et al. **Chirurgie** 1980;106(6):406–8 (Eng. Abstr.) **(Fre)**
[Thoracic outlet syndrome. Current state of diagnosis and therapy] Hirner A, et al. **Med Welt** 1981 Apr 17; 32(16):626–32 (40 ref.) **(Ger)**

THERAPY

Management of thoracic outlet syndrome in a community hospital. Katz M, et al. **Wis Med J** 1980 Nov;79(11):19–20

SCALING, DENTAL see under **DENTAL PROPHYLAXIS**

SCALP

Pyriderm shampoo in the treatment of Pediculosis capitis. Lange K, et al. **Acta Derm Venereol (Stockh)** 1981; 61(1):91–2
Kaposi's sarcoma — Case report and review of Japanese cases. Tange T. **Acta Pathol Jpn** 1979 Mar;29(2):319–32
CT of intracranial metastases with skull and scalp involvement. Healy JF, et al. **AJNR** 1981 Jul–Aug; 2(4):335–8
Inheritance of giant pigmented hairy nevus of the scalp [letter] Hecht F, et al. **Am J Med Genet** 1981;9(2):177–8
A case of angiosarcoma of the scalp. Ong BH, et al.
Ann Acad Med Singapore 1980 Jul;9(3):385–9
Familial cardiomyopathy, hypogonadism, and collagenoma. Sacks HN, et al. **Ann Intern Med** 1980 Dec;93(6):813–7
Giant pilar tumor of the scalp. Casas JG, et al.
Arch Dermatol 1980 Dec;116(12):1395
Pathology quiz case 1. Pilar tumor of the scalp (proliferating trichilemmal cyst). Moreland ME. **Arch Dermatol** 1981 Jul; 117(7):440–2
Cutaneous carcinoma arising in erosive pustular dermatosis of the scalp. Lovell CR, et al. **Br J Dermatol** 1980 Sep; 103(3):325–8
Prevention of doxorubicin-induced alopecia by scalp cooling in patients with advanced breast cancer. Anderson JE, et al. **Br Med J [Clin Res]** 1981 Feb 7;282(6262):423–4
Misuse of scalp hypothermia. Witman G, et al.
Cancer Treat Rep 1981 May–Jun;65(5–6):507–8
Brain scintigraphy: sinus pericranii. Sty JR, et al.
Clin Nucl Med 1981 Apr;6(4):184–5
Molluscum contagiosum occurring in an epidermal inclusion cyst. Hendricks WM, et al. **Cutis** 1980 Aug;26(2):180, 184
Angilymphoid hyperplasia appearing as a pilar cyst. Sciallis GF, et al. **Cutis** 1980 Sep;26(3):307–10, 312
Lipoma-induced headache [letter] Tach JR. **Headache** 1981 Jul;21(4):186
Site variations in scalp hair morphology in pre-school children. Bhatia RY, et al. **Indian J Med Res** 1980 Jun; 71:890–2
Basal-cell carcinomas on the scalp of a black patient many years after epilation by x rays. Walther RR, et al.
J Dermatol Surg Oncol 1981 Jul;7(7):570–1
Giant nevus of the scalp associated with intracranial pigmentation. Case report. Findler G, et al.
J Neurosurg 1981 Jan;54(1):108–12
Late postoperative tension pneumatocele. Case report. Vaquero J, et al. **J Neurosurg** 1981 Jul;55(1):145–6
CNS involvement in mycosis fungoides. Jayakar VV, et al.
J Postgrad Med 1980 Jul;26(3):204–6
Permanent baldness following caput succedaneum. Das S.
J R Coll Gen Pract 1980 Jul;30(216):428–9
Non-Hodgkin's lymphoma of the scalp in workers exposed to dioxins [letter] Bishop CM, et al. **Lancet** 1981 Aug 15; 2(8242):369
The surgical removal and repair of large scalp lesions. Flashman T, et al. **Otolaryngol Head Neck Surg** 1981 Jan–Feb;89(1):69–74
Case report 153. Mycetoma due to Streptomyces somaliensis ('Madura skull'). Renton P, et al. **Skeletal Radiol** 1981; 6(3):225–7
Malignant transformation of a scar in the scalp. Raja A, et al. **Surg Neurol** 1981 Mar;15(3):186–8
[Secondary tumors of the scalp] Christeler A.
Ther Umsch 1980 Jul;37(7):584–7 (Eng. Abstr.) **(Fre)**
[Malignant skin tumors of the scalp] Geiser JD.
Ther Umsch 1980 Jul;37(7):578–83 (Eng. Abstr.) **(Fre)**
[Benign tumors of the scalp] Tapernoux B. **Ther Umsch** 1980 Jul;37(7):571–7 (Eng. Abstr.) **(Fre)**
[An unusual familial naevus verrucosus] Zabel M, et al.
Hautarzt 1981 Mar;32(3):149–52 (Eng. Abstr.) **(Ger)**
[Malignant fibrous histiocytoma] Lottem M, et al.
Harefuah 1980 Mar 2;98(5):216–8 (Eng. Abstr.) **(Heb)**
[Scalp hematoma and blood bilirubin level in newborn infants] Iwaszko-Krawczuk W, et al. **Ginekol Pol** 1981 Jan; 52(2):165–9 (Eng. Abstr.) **(Pol)**

ABNORMALITIES

Conservative management of aplasia cutis congenita: case report. Six EG, et al. **Neurosurgery** 1981 Feb;8(2):233–5
Aplasia cutis congenita complicated by sagittal sinus hemorrhage. Schneider BM, et al. **Pediatrics** 1980 Dec; 66(6):948–50
[Aplasia cutis congenita. Nosological classification and case reports] Chiara F, et al. **Minerva Pediatr** 1980 May 31; 32(10):693–8 **(Ita)**

ANALYSIS

Subcutaneous oxygen tension in the fetal scalp during labour continuous monitoring with a needle electrode. Aarnoudse JG, et al. **Br J Obstet Gynaecol** 1981 May;88(5):517–24

BLOOD SUPPLY

A new percutaneous technique for occluding arterial flow to massive congential A-V malformations to prevent major hemorrhage during resection. Haller JA Jr, et al.
J Pediatr Surg 1980 Aug;15(4):523–6
Traumatic dural arteriovenous fistula supplied by scalp, meningeal, and cortical arteries: case report. Feldman RA, et al. **Neurosurgery** 1980 Jun;6(6):670–4
Hemodynamic considerations in the treatment of arteriovenous malformations of the face and scalp. Hurwitz DJ, et al. **Plast Reconstr Surg** 1981 Apr;67(4):421–34
[The relationship of scalp, middle meningeal and cerebral artery patterns to neurosurgery (author's transl)] Zai LC.
Chung Hua Shen Ching Ching Shen Ko Tsa Chih 1980 Feb; 13(2):65–7 **(Chi)**
[The distribution of scalp arteries and its clinical significance] Zhai YC.
Chung Hua Shen Ching Ching Shen Ko Tsa Chih 1980 Apr; 13(4):220–2 **(Chi)**
[Surgical treatment of arteriovenous malformations of branches of the external carotid artery] Polis L, et al.
Neurol Neurochir Pol 1981 Jan–Feb;15(1):105–9 (Eng. Abstr.) **(Pol)**
[Sinus pericranii in an 11-month-old girl] Kaczmarski M, et al. **Pol Tyg Lek** 1980 Aug 4;35(31):1191–2 (Eng. Abstr.) **(Pol)**

DRUG EFFECTS

A randomized, controlled clinical trial of four anti-dandruff shampoos. Rapaport M. **J Int Med Res** 1981;9(2):152–6

EMBRYOLOGY

The continuous measurement of tissue pH in the human fetus

during labour using a new application technique. Flynn AM, et al. **Br J Obstet Gynaecol** 1980 Aug;87(8):666–8

INJURIES

Scalp avulsions and review of successful replantation. Gatti JE, et al. **Ann Plast Surg** 1981 Feb;6(2):127–31

Reconstruction of a scalp avulsion injury by replantation and a local skin flap. McGrouther DA, et al. **Br J Plast Surg** 1981 Jan;34(1):44–6

Scalp avulsion. Hunt JR, et al. **J SC Med Assoc** 1981 Feb; 77(2):69–72

Subgaleal hematoma. A complication of instrumental delivery. Plauché WC. **JAMA** 1980 Oct 3;244(14):1597–8

[Thermal burns of the scalp in childhood: the characteristics of their course and surgical treatment] Boiadzhiev Kh. **Probl Khig** 1980;8:31–5 (Eng. Abstr.) **(Bul)**

[Scalping injuries: the blood supply relationships of the scalp] Deutschmann W, et al. **Z Plast Chir** 1980 Jun;4(2):124–30 (Eng. Abstr.) **(Ger)**

[Traumatic scalping of a patient with fibrous–cavernous pulmonary tuberculosis] Kukharchuk VP, et al. **Vestn Khir** 1980 Jul;125(7):84–5 **(Rus)**

INNERVATION

A study of origins of the time dependencies of scalp ECG: i––theoretical basis. Nunez PL. **IEEE Trans Biomed Eng** 1981 Mar;28(3):271–80

A study of origins of the time dependencies of scalp EEG: ii––experimental support of theory. Nunez PL. **IEEE Trans Biomed Eng** 1981 Mar;28(3):281–8

Treatment of occipital neuralgia [letter] Mathur JG. **Med J Aust** 1980 Jul 26;2(2):102

PATHOLOGY

Subtle clues to diagnosis by immunopathology. Scarring alopecia. Jordon RE. **Am J Dermatopathol** 1980 Summer; 2(2):157–9

Alopecia neoplastica––a rare form of cutaneous metastasis. Baum EM, et al. **J Am Acad Dermatol** 1981 Jun;4(6):688–94

An unsuspected sign of cutaneous allergy. Marks MB, et al. **J Am Acad Dermatol** 1981 May;4(5):519–22

A pleomorphic lipoma in the scalp. Bryant J. **J Dermatol Surg Oncol** 1981 Apr;7(4):323–5

Malignant hemangioendothelioma of the skin. Hori Y. **J Dermatol Surg Oncol** 1981 Feb;7(2):130–6

Angiosarcoma of the scalp. Simon SI, et al. **J Dermatol Surg Oncol** 1980 Nov;6(11):935–7

[Kerion celsi. Clinical aspects and pathogenesis of deep trychophytosis of the scalp] Bode U, et al. **Fortschr Med** 1980 Sep 18;98(35):1348–50 (Eng. Abstr.) **(Ger)**

[Skull cap necrosis with simultaneous radio–chemotherapy using the Ommaya reservoir] Kutzner J, et al. **Strahlentherapie [Sonderb]** 1978;75:177–9 **(Ger)**

[Arteriovenous acral tumor] Gutiérrez Salmerón MT, et al. **Actas Dermosifiliogr** 1980 Jul–Aug;71(7–8):287–8 **(Spa)**

PHYSIOLOGY

Continuous fetal scalp tissue pH monitoring during labor. An analysis of 152 consecutive cases. Weber T. **Acta Obstet Gynecol Scand** 1980;59(3):217–23

Spatio–temporal visually evoked scalp potentials in response to partial–field patterned stimulation. Darcey TM, et al. **Electroencephalogr Clin Neurophysiol** 1980 Dec; 50(5–6):348–55

Somatosensory evoked potentials to finger stimulation in healthy octogenarians and in young adults: wave forms, scalp topography and transit times of parietal and frontal components. Desmedt JE, et al. **Electroencephalogr Clin Neurophysiol** 1980 Dec; 50(5–6):404–25

Central somatosensory conduction in man: neural generators and interpeak latencies of the far–field components recorded from neck and right or left scalp and earlobes. Desmedt JE, et al. **Electroencephalogr Clin Neurophysiol** 1980 Dec;50(5–6):382–403

SURGERY

Closure of large central forehed defect by coronal incision and bilateral forehead and posterior scalp advancement. Blackburn WW 2d, et al. **Ann Plast Surg** 1980 Nov; 5(5):393–5

Osteomyelitis of the skull following scalp reduction and hair plug transplantation. Jones JW, et al. **Ann Plast Surg** 1980 Dec;5(6):480–2

Monopedicled transposition flap for the treatment of traumatic scalp alopecias. Juri C, et al. **Ann Plast Surg** 1980 May;4(5):349–56

Two new methods for treating baldness: temporo–parieto–occipito–parietal pedicled flap and temporo–parieto–occipital free flap. Juri J, et al. **Ann Plast Surg** 1981 Jan;6(1):38–47

Craniofacial coverage using the latissimus dorsi myocutaneous island flap. Maxwell GP, et al. **Ann Plast Surg** 1980 May;4(5):410–21

The combined multidisciplinary approach to invasive basal cell tumors of the scalp. Peters CR, et al. **Ann Plast Surg** 1980 Mar;4(3):199–204

Forehead and scalp reconstruction after wide–field resection of skin carcinoma. Schaefer SD, et al. **Arch Otolaryngol** 1980 Nov;106(11):680–4

Fiber implantation for pattern baldness. Review of complications in forty–one patients. Hanke CW, et al. **J Am Acad Dermatol** 1981 Mar;4(3):278–83

Scalp reduction as an adjunct to hair transplantation. Review of relevant literature and presentation of an improved technique. Alt TH. **J Dermatol Surg Oncol** 1980 Dec; 6(12):1011–8

Large, aggressive basal–cell carcinomas of the scalp. Binstock JH, et al. **J Dermatol Surg Oncol** 1981 Jul;7(7):565–9

Replantation: a presentation of ten cases. Black EB 3d, et al. **J La State Med Soc** 1980 Aug;132(8):112–6

Surgical treatment of fiber–implanted scalps. Rauscher GE, et al. **Plast Reconstr Surg** 1981 Apr;67(4):449–52

The scalp flap only onlay: a method for managing large dural defects. Walton RL, et al. **Plast Reconstr Surg** 1980 Nov; 66(5):684–9

Split skin grafts from the scalp. Klöti J, et al. **Prog Pediatr Surg** 1981;14:111–22

[A simple hemostatic method in making scalp incisions. Uninterrupted locked sutures in segmental circles (author's transl)] Jia BX. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1979; 12(1):53–4 **(Chi)**

[Plastic surgery after extensive tumor surgery of the scalp] Frey M, et al. **Z Plast Chir** 1981 Mar;5(1):36–48 (Eng. Abstr.) **(Ger)**

[Use of a tourniquet in scalp surgery] Iakovlev Gla, et al. **Vestn Khir** 1980 Jul;125(7):59–60 **(Rus)**

TRANSPLANTATION

Treatment of baldness in Brazil. Gandelman IM, et al. **Ann Plast Surg** 1981 Jun;6(6):491–2

Reconstruction of scalp hemicircumference. Juri J, et al. **Ann Plast Surg** 1980 Apr;4(4):304–9

Free scalp flap surgery. Ohmori K. **Ann Plast Surg** 1980 Jul; 5(1):17–23

Reconstructive approaches to extensive tissue loss of the head secondary to electrical burns. Sucena RC. **Ann Plast Surg** 1981 Jun;6(6):493–9

Short vs long scalp flaps in the treatment of male pattern baldness. Fleming RW, et al. **Arch Otolaryngol** 1981 Jul; 107(7):403–8

[Case of burn treated by deep necrectomy and scalp transplantation] Magierski M. **Pol Przegl Chir** 1980 Sep; 52(9):803–6 (Eng. Abstr.) **(Pol)**

SCALP DERMATOSES

COMPLICATIONS

Netherton's disease: a case of congenital ichthyosiform non–bullous erythroderma (Brocq) with trichorrhexis invaginata. Duvina PL, et al. **Ital Gen Rev Dermatol** 1978 May–Aug;15(2):113–21

Squamous cell carcinoma arising in dissecting perifolliculitis of the scalp. A case report and review of secondary squamous cell carcinomas. Curry SS, et al. **J Am Acad Dermatol** 1981 Jun;4(6):673–8

DIAGNOSIS

Nertherton's syndrome. Brodin MB, et al. **Cutis** 1980 Aug; 26(2):185–8, 191

Isolated nodular cutaneous coccidioidomycosis. The initial manifestation of disseminated disease. Schwartz RA, et al. **J Am Acad Dermatol** 1981 Jan;4(1):38–46

[Zooanthroponotic microporosis of the scalp in an elderly woman] Evstaf'ev VV. **Vestn Dermatol Venerol** 1980 Aug; (8):66–7 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Dermovate scalp application in dermatology. A multi–centre Swiss study (author's transl)] Roduner J, et al. **Ther Umsch** 1980 Jul;37(7):589–94 (Eng. Abstr.) **(Ger)**

[Pityriasis simplex of the scalp] Wirth H. **Ther Umsch** 1980 Jul;37(7):555–8 (Eng. Abstr.) **(Ger)**

[Psoriazin ointment in the treatment of psoriasis of the scalp (preliminary results] Jakubowicz K, et al. **Przegl Dermatol** 1981 Jan–Feb;68(1):95–9 (Eng. Abstr.) **(Pol)**

[Method of accelerated treatment of microsporosis of the scalp] Medvedeva EA, et al. **Vestn Dermatol Venerol** 1980 Oct;(10):65–9 (10 ref.) **(Rus)**

ETIOLOGY

Cobalt radiation–induced comedones. Walter JF. **Arch Dermatol** 1980 Sep;116(9):1073–4

[Deer ked dermatitis] Reunala T, et al. **Duodecim** 1980; 96(13):897–902 (Eng. Abstr.) **(Fin)**

MICROBIOLOGY

[Dermatophytes of the scalp and smooth skin in Sfax] Zahaf A, et al. **Tunis Med** 1979 Mar–Jun;57(2–3):147–50 (Eng. Abstr.) **(Fre)**

[Fetal scalp phlegmon with septicemia and meningitis caused by group A hemolytic streptococcus after internal fetal monitoring] Sauter M, et al. **Gynaekol Rundsch** 1980 Jun; 20 Suppl 1:106–7 **(Ger)**

OCCURRENCE

The nature and extent of the head louse infestation in a West Bengal village. Hati AK, et al. **Indian J Dermatol** 1979 Oct;24(5):4–8

Microsporum canis infection of the scalp in adults in Denmark. Onsberg P, et al. **Mykosen** 1981 May;24(5):275–7

PATHOLOGY

Lichen sclerosus et atrophicus of the scalp. Foulds IS. **Br J Dermatol** 1980 Aug;103(2):197–200

An atypical case of secondary syphilis. Willcox JR. **Br J Vener Dis** 1981 Feb;57(1):30–2

Subcutaneous necrobiotic granulomas of the scalp. Kossard S, et al. **J Am Acad Dermatol** 1980 Aug;3(2):180–5

[Dermatophyte mycetoma of the scalp] Strobel M, et al. **Ann Dermatol Venereol** 1980;107(12):1181–4 **(Fre)**

[Microsporous infection of the scalp in an adult (author's transl)] Grigoriu D, et al. **Dermatologica** 1981;162(4):313–7 (Eng. Abstr.) **(Fre)**

[Notes about cutis verticis gyrata (author's transl)] Pachinger W, et al. **Z Hautkr** 1981 Mar 1;56(5):275–80 (Eng. Abstr.) **(Ger)**

[Little–Lassueur syndrome] Zhavoronkova TS, et al. **Vestn Dermatol Venerol** 1980 Sep;(9):44–7 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

[Head lice infestation––prevention and control] **Med Monatsschr Pharm** 1979 May;2(5):145–8 **(Ger)**

SURGERY

Surgical treatment of fiber–implanted scalps. Rauscher GE, et al. **Plast Reconstr Surg** 1981 Apr;67(4):449–52

THERAPY

Disseminated necrotizing fasciitis of the scalp. Skef Z, et al. **Ann Plast Surg** 1981 Apr;6(4):322–6

[Treatment of pityriasis sicca of the scalp] Braun–Falco O. **Hautarzt** 1980 Dec;31(12):678 **(Ger)**

SCANDIUM

PHARMACODYNAMICS

Antibacterial effect of scandium and indium complexes of enterochelin on Klebsiella pneumoniae. Rogers HJ, et al. **Antimicrob Agents Chemother** 1980 Jul;18(1):63–8

SCANNING, RADIOISOTOPE see **RADIONUCLIDE IMAGING**

SCAPEGOATING see under **DISPLACEMENT (PSYCHOLOGY)**

SCAPULA

Dedifferentiated chondrosarcomas. Campanacci M, et al. **Ital J Orthop Traumatol** 1979 Dec;5(3):331–41

Eosinophil granuloma of the scapula. Consolo C, et al. **Ital J Orthop Traumatol** 1979 Apr;5(1):97–9

Traumatic muscle avulsion causing winging of the scapula. A case report. Hayes JM, et al. **J Bone Joint Surg [Am]** 1981 Mar;63A(3):495–7

Telangiectatic osteosarcoma in the dog. Gleiser CA, et al. **Vet Pathol** 1981 May;18(3):396–8

[Balloon catheter embolization: successful outcome in the treatment of a recurrent swannoma. Arising in the scapular region] Merland JJ, et al. **J Neuroradiol** 1980;7(1):21–6 **(Fre)**

[Case of the reduction of an inveterate bilateral dislocation of the humerus in a female patient with scapular and peroneal myopathy] Urunbaev DU. **Ortop Travmatol Protez** 1980 Oct;(10):42–3 **(Rus)**

ABNORMALITIES

Bilateral dysplasia of the neck of scapula and associated anomalies. Pettersson H. **Acta Radiol [Diagn] (Stockh)** 1981; 22(1):81–4

Congenital elevation of the scapula (a review of 69 cases). Dal Monte A, et al. **Ital J Orthop Traumatol** 1978 Dec; 4(3):253–64

Scapular osteotomy for Sprengel's shoulder. Wilkinson JA, et al. **J Bone Joint Surg [Br]** 1980 Nov;62–B(4):486–90

[An unpublished association: Zinsser–Cole–Engmann dyskeratosis, Klippel–Feil syndrome and Sprengel's deformity] Maleville J, et al. **Ann Dermatol Venereol** 1980; 107(12):1207–11 **(Fre)**

[Unusual malformation complex in Sprengel's deformity. Congenital elevation of the shoulder blade] Kieffer D, et al. **Rev Rhum Mal Osteoartic** 1981 Apr;48(4):371–4 **(Fre)**

ANATOMY & HISTOLOGY

Alteration of Scapular morphology through experimental behavioral modification in the laboratory mouse (Mus musculus). Kimes KR, et al. **Acta Anat (Basel)** 1981 Feb; 109(2):161–5

The coraco–clavicular joint. Pillay VK. **Nippon Seikeigeka Gakkai Zasshi** 1980 Sep;54(9):1013–5

[The costo-coracoid membrane: importance in vasculo-neural physiology of the subclavicular fossa] Celli L, et al. **Chir Organi Mov** 1981;66(1):1-7 **(Ita)**

GROWTH & DEVELOPMENT

The growth pattern of bi-acromial and chest measurements during adolescence. Sathyavathi KS, et al. **Indian J Med Res** 1980 May;71:751-7

INJURIES

Winging of the scapula as a complication of first rib resection: a report of six cases. Wood VE, et al. **Clin Orthop** 1980 Jun;(149):160-3

Avulsion fracture of the superior border of the scapula. Report of five cases. Ishizuki M, et al. **J Bone Joint Surg [Am]** 1981 Jun;63A(5):820-2

Fractured coracoid with anterior shoulder dislocation. Wong-Pack WK, et al. **J Can Assoc Radiol** 1980 Dec; 31(4):278-9

Fractures of the scapula. McGahan JP, et al. **J Trauma** 1980 Oct;20(10):880-3

[Shoulder radiographic evaluation. Radiographic examination of shoulder and scapular girdle trauma (author's transl)] Fery A, et al. **J Radiol** 1981 Apr; 62(4):247-56 (Eng. Abstr.) **(Fre)**

[Outline fracture on both edges of the superior scapula] Scholz M. **ROEFO** 1980 Jul;133(1):106-7 **(Ger)**

[Fractures of the scapula in childhood] Pilling L, et al. **Zentralbl Chir** 1980;105(19):1302-4 **(Ger)**

INNERVATION

Ventral capsular denervation. An operative treatment of periarthropathia humero-scapularis. Baumann F. **Arch Orthop Trauma Surg** 1981;98(1):13-7

Compression of the suprascapular nerve by a ganglion at the suprascapular notch. Hirayama T, et al. **Clin Orthop** 1981 Mar-Apr;(155):95-6

Suprascapular-nerve entrapment. Ganzhorn RW, et al. **J Bone Joint Surg [Am]** 1981 Mar;63A(3):492-4

Bilateral suprascapular-nerve entrapment syndrome. Case report and review of the literature. Garcia G, et al. **J Bone Joint Surg [Am]** 1981 Mar;63A(3):491-2

PATHOLOGY

Ewing's sarcoma with diffuse involvement of the bone marrow (report of two cases). Laus M. **Ital J Orthop Traumatol** 1978 Dec;4(3):359-67

[Crystal chemistry of two cases of subdeltoid calcification] Saez-Clavere L, et al. **Rev Rhum Mal Osteoartic** 1980 Jun; 47(6):383-92 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

The scapula companion shadow. Lams PM, et al. **Radiology** 1981 Jan;138(1):19-23

[Value of the transscapular view in radiological of shoulder trauma (author's transl)] Lardé D, et al. **J Radiol** 1981 Apr; 62(4):277-82 (Eng. Abstr.) **(Fre)**

[Roentgenographical examination on the tilted angle of the scapula in the resting position (author's transl)] Torisu T, et al. **Nippon Seikeigeka Gakkai Zasshi** 1981 Mar; 55(3):295-302 (Eng. Abstr.) **(Jpn)**

SURGERY

Scapulectomy for soft tissue sarcoma. Turnbull A, et al. **Can J Surg** 1981 Jan;24(1):37-8

On the disadvantages of radical acromionectomy. Neer CS 2d, et al. **J Bone Joint Surg [Am]** 1981 Mar;63A(3):416-9

[Treatment of old unreduced posterior dislocation of the shoulder by double approach and posterior scapular osteoplasty. Report of four cases (author's transl)] Leyder P, et al. **Ann Chir** 1980 Dec;34(10):806-9 (Eng. Abstr.) **(Fre)**

[Osteotomy of the scapula and the acropole prosthesis (author's transl)] Grammont PM, et al. **Orthopaede** 1981 May;10(3):219-29 **(Ger)**

[Interscapular-thoracic amputation of the arm] Bogacki W, et al. **Nowotwory** 1980 Jul-Sep;30(3):261-4 (Eng. Abstr.) **(Pol)**

TRANSPLANTATION

Trapezius osteomyocutaneous island flap for reconstruction of the anterior floor of the mouth and the mandible. Panje W, et al. **Head Neck Surg** 1980 Sep-Oct;3(1):66-71

SCARLET FEVER

DIAGNOSIS

[The importance of C-reactive protein (CRP) in scarlet fever diagnosis (author's transl)] Ulivelli A, et al. **Ann Sclavo** 1980 May-Jun;22(3):444-9 (Eng. Abstr.) **(Ita)**

[Intracutaneous allergic test in the diagnosis of atypical and mild forms of the Far Eastern Scarletinoid-fever] Dzadzieva MF, et al. **Sov Med** 1980;(7):38-41 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Therapeutic experience with cefadroxil syrup in acute infections, especially scarlet fever, in pediatric field (author's transl)] Minamitani M, et al. **Jpn J Antibiot** 1981 Feb;34(2):161-70 (Eng. Abstr.) **(Jpn)**

HISTORY

The conquest of scarlet fever: some Johns Hopkins contributions. Harvey AM. **Johns Hopkins Med J** 1980 Aug;147(2):53-63

Classics in infectious diseases. Scarlatina by a. trousseau reprinted from Lectures on Cliical Medicine by A. Trousseau. Trans. J. R. Cormack and P. V. Bazire. 2 vols. Lindsay and Blakiston, Philadelphia, 1873. **Rev Infect Dis** 1979 Nov-Dec;1(6):1016-26

[The contribution of Dr. Laza K. Lazarević to infectious disease in the 19th century] Mijalković D. **Srp Arh Celok Lek** 1980 Jan;108(1):77-80 **(Scc)**

MICROBIOLOGY

Staphylococcal scarlet fever: role of pyrogenic exotoxins. Schlievert PM. **Infect Immun** 1981 Feb;31(2):732-6

SCARS see **CICATRIX**

SCATTERING, RADIATION

see related
NEPHELOMETRY AND TURBIDIMETRY

Evaluation of urine culture screening by light-scatter photometry. Hale DC, et al. **Am J Clin Pathol** 1981 Aug; 76(2):208-11

Resonance X-ray scattering: its use in determining spatial relationships among metal atoms within macromolecules in a non-crystalline state. Blasie JK, et al. **Annu Rev Biophys Bioeng** 1981;10:451-8 (30 ref.)

Quasi-elastic light scattering applications in biochemistry and biology. Bloomfield VA. **Annu Rev Biophys Bioeng** 1981; 10:421-50 (223 ref.)

Applications of light scatter to separation of stem cells. Grogan WM, et al. **Blood Cells** 1980;6(4):625-44

A grey level frequency histogram representation of animal cell colonies seen by scattered light. Konrad MW, et al. **Comput Biomed Res** 1980 Aug;13(4):333-49

A new approach for using labels in small-angle scattering experiments. Büldt G. **FEBS Lett** 1980 Sep 8;118(2):319-21

Simple recipes for ground scattering in neutron detector calibration. Jenkins TM. **Health Phys** 1980 Jul;39(1):41-7

Dimer formation in radiation-irradiated aqueous solution of lysozyme studied by light-scattering-intensity measurement. Hashimoto S, et al. **Int J Radiat Biol** 1981 Jul;40(1):31-46

Studies on human cataracts. II. Correlation between the clinical description and the light-scattering parameters of human cataracts. Siew EL, et al. **Invest Ophthalmol Vis Sci** 1981 Mar;20(3):334-47

The determination of absolute concentrations of elements in thin (0.1 micrometer) sections of biological tissue by x-ray microanalysis in the scanning electron microscope and calibration with monoenergetic alpha particle scattering techniques. Broadhurst JH, et al. **J Electron Microsc (Tokyo)** 1980;29(4):390-6

Light scattering and absorption--developments in immunology. Deverill I, et al. **J Immunol Methods** 1980; 38(3-4):191-204 (82 ref.)

Comparative measurements of platelet size by Coulter Counter, microscopy of blood smears, and light-transmission studies. Relationship between platelet size and shape. Holme S, et al. **J Lab Clin Med** 1981 May; 97(5):610-22

Instrumental effects on the scattering curves. Cusack S. **J Mol Biol** 1981 Jan 25;145(3):539-41

Backscattering of light by red cell suspensions. Barbenel JC, et al. **Med Biol Eng Comput** 1979 Nov;17(6):763-8

Electron backscattering. Baily NA. **Med Phys** 1980 Sep-Oct; 7(5):514-9

Performance characteristics of improved antiscatter grids. Sorenson JA, et al. **Med Phys** 1980 Sep-Oct;7(5):525-8

Determination of bone density by coherent-Compton scattering. Stalp JT, et al. **Med Phys** 1980 Nov-Dec; 7(6):723-6

An accurate parametrisation of the x-ray attenuation coefficient. Hawkes DJ, et al. **Phys Med Biol** 1980 Nov; 25(6):1167-71

Elemental analysis of bone mineral by backscattering of alpha particles. Hyvönen-Dabek M, et al. **Phys Med Biol** 1979 Sep;24(5):988-98

Coherent scattering and the assessment of mineral concentration in trabecular bone. Kerr SA, et al. **Phys Med Biol** 1980 Nov;25(6):1037-47

The effective attenuation coefficient of soft tissue in the presence of Compton scattering from bone: experiments on models. Leichter I, et al. **Phys Med Biol** 1980 Jul; 25(4):711-7

Fluctuation x-ray scattering from biological particles in frozen solution by using synchrotron radiation. Kam Z, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3559-62

White lines in L-edge x-ray absorption spectra and their implications for anomalous diffraction studies of biological materials. Lye RC, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):5884-8

Small-angle X-ray scattering studies on the X-ray induced aggregation of malate synthase. Zipper P, et al. **Radiat Environ Biophys** 1980;18(2):99-121

A comparative study of scattered radiation levels from 80-kVp and 240-kVp x rays in the surgical intensive care unit. Herman MW, et al. **Radiology** 1980 Nov;137(2):552-3

Effect of vertical cassette holder design and construction on scatter-to-primary radiation ratios. Johnson GA, et al. **Radiology** 1981 Feb;138(2):461-4

Contamination of high-energy photon beams by scattered photons. Nilsson B, et al. **Strahlentherapie** 1981 Mar; 157(3):181-6

[The dependence of the optimal discriminator adjustment of a single-channel analyzer on the scattered radiation and on the energy resolution of the detector] Ertl S, et al. **Radiobiol Radiother (Berl)** 1980;21(4):489-500 (Eng. Abstr.) **(Ger)**

[Determination of scattered radiation and optimum discriminator adjustment of a single-channel analyzer for brain and liver scintigrams using the radionuclide (99m)Tc] Ertl S. **Radiobiol Radiother (Berl)** 1980;21(6):832-40 (Eng. Abstr.) **(Ger)**

[Measurement technics for the evaluation of risks in exposure to non-coherent optical radiation] Cremonese M. **Ann Ist Super Sanita** 1980;16(3):477-81 **(Ita)**

[Studies of coherent/Compton scattering method for bone mineral content measurement (author's transl)] Sakurai K, et al. **Nippon Igaku Hoshasen Gakkai Zasshi** 1980; 40(3):254-7 (Eng. Abstr.) **(Jpn)**

[Evaluation of estimation method of X-ray spectral distribution by attenuation data (author's transl)] Tominaga S, et al. **Radioisotopes** 1980 May;29(5):215-20 (Eng. Abstr.) **(Jpn)**

[Thickness measurements of evaporated films by beta-ray backscattering] Yamashita T, et al. **Radioisotopes** 1980 Sep; 29(9):441-2 **(Jpn)**

METHODS

Deuterated iodoacetanilide: a covalent protein label for neutron scattering studies. Benesch R, et al. **J Biochem Biophys Methods** 1979 May;1(2):129-32

SCENT GLANDS see under **EXOCRINE GLANDS**

SCHAMBERG'S DISEASE see under **PIGMENTATION DISORDERS**

SCHAUMANN'S DISEASE see **SARCOIDOSIS**

SCHEDULES, PATIENT see **APPOINTMENTS AND SCHEDULES**

SCHEUERMANN'S DISEASE

COMPLICATIONS

[Progressive anterior vertebral fusion in children (author's transl)] Kharrat K, et al. **Rev Chir Orthop** 1980 Nov-Dec; 66(8):485-92 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

[Scheuermann's disease] Brunner C. **Ther Umsch** 1981 Jul; 38(7):618-21 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Hamstring tightness and Scheuermann's disease a pilot study. Fisk JW, et al. **Am J Phys Med** 1981 Jun;60(3):122-5

PATHOLOGY

Idiopathic scoliosis, scheurmann's disease and myopathy: two case reports. Fitzsimons RB. **Clin Exp Neurol** 1979;16:303-7

RADIOGRAPHY

Juvenile kyphosis (Scheuermann's disease): radiography, histology, and pathogenesis. Aufdermaur M. **Clin Orthop** 1981 Jan-Feb;(154):166-74

The relationship of juvenile lumbar disc disease and Scheuermann's disease. Cleveland RH, et al. **Pediatr Radiol** 1981 Feb;10(3):161-4

THERAPY

[The treatment of Scheuermann's kyphosis with the Milwaukee brace (author's transl)] Hefti F, et al. **Z Orthop** 1981 Apr;119(2):185-92 (Eng. Abstr.) **(Ger)**

[Treatment of florid dorsal Scheuermann's disease with two new breathable plaster-of-paris casts and their biomechanical principles of action (author's transl)] Yücel M, et al. **Z Orthop** 1981 Jun;119(3):292-6 (Eng. Abstr.) **(Ger)**

SCHIFF BASES

Proton translocation in hydrogen bonds with large proton polarizability formed between a Schiff base and phenols. Rastogi PP, et al. **Biochem Biophys Res Commun** 1981 Apr 15;99(3):804-12

Exchange kinetics of the Schiff base proton in bacteriorhodopsin. Ehrenberg B, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6571-3

[Fluorescent dyes of the Schiff-type] Böhm N, et al. **Acta Histochem [Suppl] (Jena)** 1981;24:181-8 **(Ger)**

ANALYSIS

Spectrophotometric titrations of pyridoxal Schiff's bases in methanol using glass electrode for control of acidity. Lehtokari M, et al. **Arch Biochem Biophys** 1980 Jul; 202(2):533–9

Resonance Raman spectroscopy of chemically modified and isotopically labelled purple membranes. II. Kinetic studies. Ehrenberg B, et al. **Biochim Biophys Acta** 1980 Dec 3; 593(2):454–62

SCHILDER'S DISEASE see **ENCEPHALITIS PERIAXIALIS**

SCHILLING TEST

Limitations of the Schilling test [letter] Streeter AM, et al. **Lancet** 1981 Jan 3;1(8210):39–40

METHODS

Reliability of the dual-isotope Schilling test for the diagnosis of pernicious anemia or malabsorption syndrome. Domstad PA, et al. **Am J Clin Pathol** 1981 May;75(5):723–6

Questionable bioactivity of intrinsic factor for second-stage Schilling test [letter] Ponto JA. **Am J Hosp Pharm** 1980 Oct;37(10):1294, 1296

SCHISTOSOMA

ANATOMY & HISTOLOGY

[Superficial argentophilic structures of miracidium and cercaria of Schistosoma intercalatum (author's transl)] Bayssade-Dufour C, et al. **Ann Parasitol Hum Comp** 1980 Mar-Apr;55(2):249–52 (Eng. Abstr.) **(Fre)**

CLASSIFICATION

Electrophoretic differences between Schistosoma mansoni and S. rodhaini. Fletcher M, et al. **J Parasitol** 1981 Aug; 67(4):593–5

GENETICS

Hybrids between Schistosoma haematobium and S. mattheei and their identification by isoelectric focusing of enzymes. Wright CA, et al. **Trans R Soc Trop Med Hyg** 1980; 74(3):326–32

GROWTH & DEVELOPMENT

Parasitological characters as tools in the taxonomy of the intermediate snail hosts for Schistosoma spp. Frandsen F. **Parassitologia** 1980 Dec;22(3):263–7

IMMUNOLOGY

Studies on bilharzial dysentery: the relation among the egg count, the number of bowel motion and the antibody titre and the relation between the schistosomal antibody titre as detected by indirect haemagglutination test and the size of the wheal area of the intradermal test. Gawish N, et al. **Egypt J Bilharz** 1978;5(1–2):29–40

Schistosoma species: transmission electron microscopy of the circumoval immune precipitin reaction on eggs. Demaree R, et al. **Exp Parasitol** 1981 Aug;52(1):77–87

METABOLISM

Schistosoma bovis, S. intercalatum and S. haematobium: methods for in vivo radiolabelling of cercariae with radioselenium. Christensen NO. **J Helminthol** 1981 Mar; 55(1):9–12

Glucose transfer from male to female schistosomes. Conford EM, et al. **Science** 1981 Sep 11;213(4513):1269–71

PHYSIOLOGY

A model of schistosomiasis incorporating the searching capacity of the miracidium. Coutinho FA, et al. **Parasitology** 1981 Feb;82(1):111–20

Observations on an isolate of Schistosoma bovis from Tanzania. Southgate VR, et al. **Z Parasitenkd** 1980; 63(3):241–9

ULTRASTRUCTURE

The fine structure of the miracidium of Schistosoma mansoni. Pan SC. **J Invertebr Pathol** 1980 Nov;36(3):307–72

Somatic chromosomes of Schistosoma rodhaini, S. mattheei, and S. intercalatum. Grossman AI, et al. **J Parasitol** 1981 Feb;67(1):41–4

SCHISTOSOMA HAEMATOBIUM

[Presence of Schistosoma haematobium eggs in an ovarian teratoma] Gigase PL, et al. **Ann Soc Belg Med Trop** 1980; 60(1):107–9 **(Fre)**

CYTOLOGY

Existence of replicating sporocysts in the development cycle of Schistosoma haematobium. Kechemir N, et al. **J Parasitol** 1980 Dec;66(6):1068–70

GENETICS

Hybrids between Schistosoma haematobium and S. mattheei and their identification by isoelectric focusing of enzymes. Wright CA, et al. **Trans R Soc Trop Med Hyg** 1980; 74(3):326–32

GROWTH & DEVELOPMENT

Changes in the tegumental surface of Schistosoma haematobium during development in the mammalian host. Mansour NS, et al. **Am J Trop Med Hyg** 1981 Jan; 30(1):127–34

Schistosoma mansoni and Schistosoma haematobium: difference in development. Burden CS, et al. **Exp Parasitol** 1981 Feb;51(1):28–34

IMMUNOLOGY

Infection intensity and specific antibody response in schistosomiasis. Terpstra WJ, et al. **Bull Soc Pathol Exot Filiales** 1980 Mar-Apr;73(2):164–71

Partial characterization of radiolabelled antigens from adult Schistosoma haematobium. Hayunga EG, et al. **J Parasitol** 1981 Aug;67(4):589–91

Immunization of baboons (Papio anubis) against Schistosoma haematobium with irradiated cercariae or schistosomula [letter] Sturrock RF, et al. **Trans R Soc Trop Med Hyg** 1980;74(6):834–5

METABOLISM

Schistosoma bovis, S. intercalatum and S. haematobium: methods for in vivo radiolabelling of cercariae with radioselenium. Christensen NO. **J Helminthol** 1981 Mar; 55(1):9–12

PATHOGENICITY

Susceptibility of Iraqi fresh water snails to infection with Schistosoma haematobium and Schistosoma mansoni Egyptian strains. Wajdi NA, et al. **Biochem Exp Biol** 1979; 15(2):119–24

SCHISTOSOMA JAPONICUM

Schistosoma japonicum-like eggs in the appendix of an inhabitant of Java, Indonesia. A case report. Palmieri JR, et al. **Am J Trop Med Hyg** 1981 Jan;30(1):92–5

Discovery of a site of transmission and hosts of a Schistosoma japonicum-like schistosome in Peninsular Malaysia [letter] Greer GJ, et al. **Trans R Soc Trop Med Hyg** 1980;74(3):425

DRUG EFFECTS

[An experimental study on the effect of nithiocyamine against Schistosoma japonicum (author's transl)] Huang WT, et al. **Yao Hsueh Hsueh Pao** 1980 Jun;15(6):341–5 (Eng. Abstr.) **(Chi)**

GROWTH & DEVELOPMENT

The emergence of Schistosoma japonicum cercariae from Oncomelania quadrasi. Nojima H, et al. **J Parasitol** 1980 Dec;66(6):1010–3

IMMUNOLOGY

Association between an HLA haplotype and low responsiveness to schistosomal worm antigen in man. Sasazuki T, et al. **J Exp Med** 1980 Aug 1;152(2 Pt 2):314s–318s

Influence of temperature on the antigenicity of Schistosoma japonicum lyophilized eggs for circumoval precipitin test (COPT). Kamiya H. **Jpn J Vet Res** 1980 Oct;28(4):149–54

Preliminary application of a formalin fixed tissue section to the indirect fluorescent antibody test and intraoval precipitin reaction for the diagnosis of Schistosomiasis japonica. Kamiya H, et al. **Jpn J Vet Res** 1980 Oct; 28(4):155–60

Schistosoma japonicum soluble egg antigens: separation by can A chromatography and immunoaffinity purification. Carter CE, et al. **Mol Immunol** 1981 Mar;18(3):219–25

Schistosoma japonicum: use of a radioimmunoassay for anti egg antibodies in human sera. Tapales FP, et al. **Southeast Asian J Trop Med Public Health** 1981 Mar; 12(1):19–23

[Diagnosis of schistosomiasis japonica by dry ova precipitation reaction (author's transl)] **Chung Hua Nei Ko Tsa Chih** 1979;18(3):197–200 **(Chi)**

ISOLATION & PURIFICATION

A sieving method for the collection of schistosome eggs from mouse intestines. Dresden MH, et al. **J Parasitol** 1981 Jun; 67(3):450–2

METABOLISM

The energy metabolism of Schistosoma japonicum. Huang TY. **Int J Biochem** 1980;12(3):457–64

ULTRASTRUCTURE

Scanning and transmission electron microscopy of Schistosoma japonicum egg shell. HE YX, et al. **Chin Med J [Engl]** 1980 Dec;93(12):861–4

Scanning electron microscopy of Chinese (mainland) strain Schistosoma japonicum. Ma JX, et al. **Chin Med J [Engl]** 1981 Jan;94(1):63–70

[Scanning electron microscopy of the Chinese strain of Schistosoma japonicum (author's transl)] Ho YH, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1980 Mar; 2(1):38–41 (Eng. Abstr.) **(Chi)**

SCHISTOSOMA MANSONI

Schistosoma mansoni: cryopreservation of schistosomula by two-step addition of ethanediol and rapid cooling. James ER. **Exp Parasitol** 1981 Aug;52(1):105–16

[Nonspecific immunofluorescence on sections of Schistosoma mansoni. Role of anti-smooth muscle antibodies (letter)] Daniel Ribeiro C, et al. **Nouv Presse Med** 1981 Apr 18; 10(17):1420–1 **(Fre)**

[Experimental infection of Biomphalaria tenagophila from Argentina with strains of Schistosoma mansoni from Brazil] Milward-De-Andrade R, et al. **Rev Bras Malariol Doencas Trop** 1979;31:187–9 **(Por)**

[Experimental infection of Biomphalaria glabrata with Schistosoma mansoni in the presence of Helisoma duryi] Milward-De-Andrade R, et al. **Rev Bras Malariol Doencas Trop** 1979;31:185–6 **(Por)**

[Pomacea haustrum (Reeve, 1856) as a decoy to infection of Biomphalaria glabrata (Say, 1818) with Schistosoma mansoni Sambon, 1907] Milward-De-Andrade R, et al. **Rev Bras Malariol Doencas Trop** 1979;31:59–69 (Eng. Abstr.) **(Por)**

[Possible factors modifying the results of quantitative coproscopy of S. mansoni ova by the Kato-Katz method] Domingues L, et al. **Rev Inst Med Trop Sao Paulo** 1980 May-Jun;22(3):114–7 (Eng. Abstr.) **(Por)**

ANALYSIS

Surface proteins of Schistosoma mansoni and their expression during morphogenesis. Snary D, et al. **Eur J Immunol** 1980 Jul;10(7):573–5

Characterization of the exposed carbohydrates on the surface membrane of adult Schistosoma mansoni by analysis of lectin binding. Simpson AJ, et al. **Parasitology** 1980 Aug; 81(1):1–15

ANATOMY & HISTOLOGY

Schistosoma mansoni: an examination of the reproductive status of females from single sex infections. Shaw JR, et al. **Parasitology** 1981 Feb;82(1):121–4

Morphological aspects of Schistosoma mansoni in naturally infected Holochilus brasiliensis leucogaster [letter] Dias LC, et al. **Trans R Soc Trop Med Hyg** 1980;74(5):690

CLASSIFICATION

Electrophoretic differences between Schistosoma mansoni and S. rodhaini. Fletcher M, et al. **J Parasitol** 1981 Aug; 67(4):593–5

CYTOLOGY

[In vitro S. mansoni miracidia transformation (author's transl)] Benex J, et al. **Ann Parasitol Hum Comp** 1981; 56(1):57–61 (Eng. Abstr.) **(Fre)**

DRUG EFFECTS

In vivo and in vitro experiments on the effects of praziquantel on Schistosoma mansoni. A light and electron microscopic study. Mehlhorn H, et al. **Arzneimittelforsch** 1981; 31(3a):544–54

Schistosoma mansoni: comparision of the effects of cycloheximide and emetine on protein synthesis in adult worms. Walker E, et al. **Comp Biochem Physiol [C]** 1980; 67C(2):129–34

Praziquantel, potassium and 2,4-dinitrophenol: analysis of their action on the musculature of Schistosoma mansoni. Fetterer RH, et al. **Eur J Pharmacol** 1980 May 30; 64(1):31–8

Schistosoma mansoni: drug induced changes in the cell population of the vitelline gland. Erasmus DA, et al. **Exp Parasitol** 1980 Oct;50(2):171–87

Schistosoma mansoni: niridazole-induced damage to the vitelline gland. Popiel I, et al. **Exp Parasitol** 1981 Aug; 52(1):35–48

Schistosoma mansoni: tegumental surface alterations induced by subcurative doses of the schistosomicide amoscanate. Voge M, et al. **Exp Parasitol** 1980 Oct;50(2):251–9

Influence of the substituent radicals in antimonyl naphthalein derivatives on the potentialities of anti-schistosomal activity in mice. Ghaleb HA, et al. **J Egypt Med Assoc** 1979;62(1–2):31–43

Inhibitory effect of oxamniquine on the detachment of the tail of Schistosoma mansoni. Melo AL, et al. **J Parasitol** 1980 Dec;66(6):1067–8

Factor(s) in the venom of scorpions toxic to Schistosoma mansoni (intestinal belharzia) cercariae. El-Asmar MF, et al. **Toxicon** 1980;18(5–6):711–5

Light and electron microscopic studies on the effect of praziquantel on Schistosoma mansoni, Dicrocoelium dendriticum, and Fasciola hepatica (Trematoda) in vitro. Becker B, et al. **Z Parasitenkd** 1980;63(2):113–28

[Schistosoma mansoni and PGE1. Experimental study in vitro and in vivo] Cicchini T, et al. **Ann Sclavo** 1980 Sep-Oct; 22(5):755–62 **(Ita)**

[Chemoprophylactic study of schistosomiasis. IV: Inhibition of the penetration of cercariae by coumarin derivatives] Lopes JL, et al. **Rev Bras Biol** 1980 May;40(2):283–5 (Eng.

Abstr.) **(Por)**

ENZYMOLOGY

Glycogen synthase of Schistosoma mansoni: a preliminary report. Rotmans JP. **Acta Leiden** 1980;48:29–36

Selective inhibition of schistosome acetylcholinesterase by dansylated acetylcholine analogs. Dotson MJ, et al. **Comp Biochem Physiol [C]** 1981;68C(2):229–30

Effects of hycanthone and praziquantel on monoamine oxidase and cholinesterases in Schistosoma mansoni. Kim RA, et al. **J Parasitol** 1981 Feb;67(1):20–3

Properties and drug sensitivity of adenosine triphosphatases from Schistosoma mansoni. Nechay BR, et al. **J Parasitol** 1980 Aug;66(4):596–600

ATP phosphohydrolase localization in adult Schistosoma mansoni. Bogitsh BJ. **Trans Am Microsc Soc** 1980 Jul; 99(3):329–33

GENETICS

Genetic variation in Schistosoma mansoni: enzyme polymorphisms in populations from Africa, Southwest Asia, South America, and the West Indies. Fletcher M, et al. **Am J Trop Med Hyg** 1981 Mar;30(2):406–21

[Susceptibility of Biomphalaria straminea (Dunker, 1848) of Piripiri (Piauí, Brazil) to 2 strains of Schistosoma mansoni Sambon, 1907] Carvalho O dos S, et al. **Rev Saude Publica** 1980 Jun;14(2):224–9 (Eng. Abstr.) **(Por)**

GROWTH & DEVELOPMENT

Schistosoma mansoni and Schistosoma haematobium: difference in development. Burden CS, et al. **Exp Parasitol** 1981 Feb;51(1):28–34

Schistosoma mansoni: cloning by microsurgical transplantation of sporocysts. Jourdane J, et al. **Exp Parasitol** 1980 Dec;50(3):349–57

Local development of Schistosoma mansoni worms in the lungs of mice. Awadalla HN, et al. **J Egypt Med Assoc** 1978;61(5–6):457–62

Cultivation of Schistosoma mansoni in vitro. I. Establishment of cultures from cercariae and development until pairing. Basch PF. **J Parasitol** 1981 Apr;67(2):179–85

Cultivation of Schistosoma mansoni in vitro. III. implantation of cultured worms into mouse mesenteric veins. Basch PF, et al. **J Parasitol** 1981 Apr;67(2):191–5

Schistosoma mansoni: conditions contributing to maximal cercarial harvests. Stirewalt M. **J Parasitol** 1981 Aug; 67(4):582–3

The interaction of gram negative bacteria and S. mansoni in mice with experimental schistosomiasis. Rocha H, et al. **Mem Inst Oswaldo Cruz** 1980;75(1–2):161–72

Neutrophil-mediated cytotoxicity to schistosomula of Schistosoma mansoni in vitro: studies on the kinetics of complement and/or antibody-dependent adherence and killing. Incani RN, et al. **Parasite Immunol** 1981 Summer; 3(2):107–26

The importance of skin and pulmonary phases to the development of Schistosoma mansoni in albino mice. Rocha MO, et al. **Rev Inst Med Trop Sao Paulo** 1980 Jul–Aug; 22(4):157–63

Schistosoma mansoni: eggs with two miracidia [letter] Dias LC, et al. **Trans R Soc Trop Med Hyg** 1980;74(6):826

Experimental epidemiology of schistosomiasis. I. The prepatent period and cercarial production of Schistosoma mansoni in Biomphalaria snails at various constant temperatures. Pflüger W. **Z Parasitenkd** 1980;63(2):159–69

[S. mansoni growth inhibiting antibodies in the sera from infected humans (author's transl)] Pérez H, et al. **Acta Cient Venez** 1978;29(5):397–9 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Isolation of a serologically important egg antigen of Schistosoma mansoni and its application in the ELISA. A preliminary report. Deelder AM. **Acta Leiden** 1979; 47:65–70

Applicability of sol practice immunoassay (SPIA) for detection of Schistosoma mansoni circulating antigens. Deelder AM, et al. **Acta Leiden** 1980;48:17–22

Quantification, dynamics, and mechanisms of pulmonary inflammatory response around schistosomula of Schistosoma mansoni. Olveda RM, et al. **Am J Pathol** 1981 Aug;104(2):150–8

Schistosomiasis: immunologic properties of developing schistosomula. Sher A, et al. **Am J Pathol** 1981 Jan; 102(1):121–6

Immunoperoxidase localization by electron microscopy of soluble egg antigen and human IgG in circumoval precipitin reactions around Schistosoma mansoni eggs. Demaree RS Jr, et al. **Am J Trop Med Hyg** 1981 Mar; 30(2):402–5

Schistosoma mansoni: comparison of the killing effect of granulocytes and complement with or without antibody on fresh and cultured schistosomula in vitro. Novato-Silva E, et al. **Am J Trop Med Hyg** 1980 Nov;29(6):1263–7

Infection intensity and specific antibody response in schistosomiasis. Terpstra WJ, et al. **Bull Soc Pathol Exot Filiales** 1980 Mar–Apr;73(2):164–71

Interaction between macrophages and Schistosoma mansoni schistosomula: role of IgG peptides and aggregates on the modulation of beta-glucuronidase release and the cytotoxicity against schistosomula. Auriault C, et al. **Cell Immunol** 1981 Jul 15;62(1):15–27

Circulating antigens, immune complexes and C3d levels in human schistosomiasis: relationship with Schistosoma mansoni egg output. Santoro F, et al. **Clin Exp Immunol** 1980 Nov;42(2):219–25

A preliminary report on materno-foetal immunological changes in schistosomiasis. II. Circulating antigens and antibodies. el-Raziky EH, et al. **Egypt J Bilharz** 1978; 5(1–2):77–84

Schistosoma mansoni: cytotoxicity of hemocytes from susceptible snail hosts for sporocysts in plasma from resistant Biomphalaria glabrata. Bayne CJ, et al. **Exp Parasitol** 1980 Dec;50(3):409–16

Schistosoma mansoni: L-lysil residues in agglutination of mouse erythrocytes by acid phospholipids of parasite membranes. Cesari IM, et al. **Exp Parasitol** 1980 Oct; 50(2):195–200

Schistosoma mansoni: activation of the alternative pathway of human complement by schistosomula. Dias Da Silva W, et al. **Exp Parasitol** 1980 Oct;50(2):278–86

Schistosoma mansoni: vaccination of mice with highly x-irradiated cercariae. Hsü SY, et al. **Exp Parasitol** 1981 Aug;52(1):91–104

Schistosoma mansoni: a complement-dependent receptor on adult male parasites. McGuinness TB, et al. **Exp Parasitol** 1981 Apr;51(2):236–42

Schistosoma mansoni: complement and antibody damage, mediated by human eosinophils and neutrophils, in killing schistosomula in vitro. McKean JR, et al. **Exp Parasitol** 1981 Jun;51(3):307–17

Schistosoma mansoni: the attrition of a challenge infection in mice immunized with highly irradiated live cercariae. Miller KL, et al. **Exp Parasitol** 1980 Oct;50(2):212–21

Schistosoma mansoni: complement activation by antigenic preparations. Van Egmond JG, et al. **Exp Parasitol** 1981 Apr;51(2):188–94

Schistosoma mansoni: anodic polysaccharide antigen in glomerular immune deposits of mice with unisexual infections. Van Marck EA, et al. **Exp Parasitol** 1981 Aug; 52(1):62–8

In vitro and in vivo inhibition of mast cell degranulation by a factor from Schistosoma mansoni. Mazingue C, et al. **Int Arch Allergy Appl Immunol** 1980;63(2):178–89

Standardization of FIAXtm for schistosomiasis using crude cercarial and adult worm antigens. Slemenda SB, et al. **J Parasitol** 1980 Dec;66(6):893–7

Systematic fractionation of Schistosoma mansoni urea-soluble egg antigens and their evaluation by the single-tube, kinetic-dependent, enzyme-linked, immunosorbent assay (K-ELISA). Tsang VC, et al. **J Parasitol** 1981 Jun;67(3):340–50

Surface antigens of Schistosoma mansoni. Taylor DW, et al. **Mol Biochem Parasitol** 1981 Jul;3(3):157–68

Enhanced helminthotoxic capacity of eosinophils from patients with eosinophilia. David JR, et al. **N Engl J Med** 1980 Nov 13;303(20):1147–52

Schistosoma mansoni: age-dependent susceptibility to immune elimination of schistosomula artificially introduced into preinfected mice. Blum K, et al. **Parasite Immunol** 1981 Spring;3(1):13–24

In vitro study of immunological events in human and experimental schistosomiasis: relationships between cytotoxic antibodies and circulating Schistosoma antigens. Capron M, et al. **Parasite Immunol** 1980 Autumn; 2(3):223–35

The response of mice immune to Schistosoma mansoni to a challenge infection which bypasses the skin: evidence for two mechanisms of immunity. Miller KL, et al. **Parasite Immunol** 1981 Spring;3(1):25–31

Schistosoma mansoni: host antigen occurrence on worms recovered from laboratory vertebrate animals. Coelho PM, et al. **Parasitology** 1980 Oct;81(2):349–54

Immune evasion by Schistosoma mansoni: loss of susceptibility to antibody or complement-dependent eosinophil attack by schistosomula cultured in medium free of macromolecules. Dessein A, et al. **Parasitology** 1981 Jun; 82(Pt 3):357–74

In vitro proliferative response to living schistosomula by T lymphocytes from mice infected with Schistosoma mansoni. James SL. **Parasitology** 1981 Aug;83(Pt 1):147–62

Modulation of Schistosoma mansoni egg-induced granuloma formation: I-J restriction of T cell-mediated suppression in a chronic parasitic infection. Green WF, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):1152–6

Preliminary studies with a Schistosoma mansoni saline extract inducing protection in rabbits against the challenge infection. Scarpin M, et al. **Rev Inst Med Trop Sao Paulo** 1980 Jul–Aug;22(4):164–72

Separation and comparative immunoassay (DASS, ELISA) with antigens from adult Schistosoma mansoni. Rotmans JP, et al. **Trans R Soc Trop Med Hyg** 1980;74(4):463–8

Assessment of immediate and delayed hypersensitivity skin tests with Schistosoma mansoni adult worm antigen in a rural Egyptian population. Higashi GI, et al. **Trop Geogr Med** 1980 Sep;32(3):245–50

Serobiological differentiation between antischistosomal (Schistosoma mansoni) antisera. Hamburger J, et al. **Tropenmed Parasitol** 1981 Mar;32(1):43–7

Detection of antibodies against circulating cathodic antigen of Schistosoma mansoni using the enzyme-linked immunosorbent assay. Deelder AM, et al. **Z Parasitenkd** 1981;64(2):179–86

A comparison of the IFA and the ELISA for the demonstration of antibodies against schistosome gut-associated polysaccharide antigens in schistosomiasis. Deelder AM, et al. **Z Parasitenkd** 1980;64(1):65–75

[Cellular immunity in mollusk hosts of schistosomes. Primary results regarding Biomphalaria glabrata] Benex J, et al. **Bull Soc Pathol Exot Filiales** 1980 Mar–Apr;73(2):206–13 (Eng. Abstr.) **(Fre)**

[Polysaccharide antigen of Schistosoma mansoni] Andrade ZA, et al. **Mem Inst Oswaldo Cruz** 1980;75(1–2):47–56 (Eng. Abstr.) **(Por)**

ISOLATION & PURIFICATION

A sieving method for the collection of schistosome eggs from mouse intestines. Dresden MH, et al. **J Parasitol** 1981 Jun; 67(3):450–2

The effect of a previous Schistosoma mansoni infection on schistosomulum recovery from the peritoneal cavity of laboratory mice [letter] Melo AL, et al. **Trans R Soc Trop Med Hyg** 1980;74(6):827

[Evaluation of the drift of cercariae by a single daily sampling in the site of schistosomiasis transmission. Example of Guadeloupean sites of Schistosoma mansoni transmission (author's transl)] Theron A. **Rev Epidemiol Sante Publique** 1980 Apr 30;28(1):131–9 (Eng. Abstr.) **(Fre)**

METABOLISM

Schistosoma mansoni: decarboxylation of 5-hydroxytryptophan, L-dopa, and L-histidine in adult and larval schistosomes. Catto BA. **Exp Parasitol** 1981 Feb; 51(1):152–7

Schistosoma mansoni: changes in the rate of tyrosine uptake by unisexual females after stimulation by males and male extracts. Popiel I, et al. **J Helminthol** 1981 Mar;55(1):33–7

Characteristics of antischistosomal benzodiazepine binding sites in Schistosoma mansoni. Bennett JL. **J Parasitol** 1980 Oct;66(5):742–7

Localization of 3H-thymidine in oocyte Mitochondria from Schistosoma mansoni. Nollen PM. **J Parasitol** 1981 Jun; 67(3):355–61

Effect of hycanthone on Schistosoma mansoni macromolecular synthesis in vitro. Mattoccia LP, et al. **Mol Biochem Parasitol** 1981 Apr;2(5–6):295–307

The incorporation and utilization of radiolabelled lipids by adult Schistosoma mansoni in vitro. Rumjanek FD, et al. **Mol Biochem Parasitol** 1980 Mar;1(1):31–44

Proteolytic cleavage of IgG bound to the Fc receptor of Schistosoma mansoni schistosomula. Auriault C, et al. **Parasite Immunol** 1981 Spring;3(1):33–44

Metabolic interrelationship of parasitic trematodes and molluscs, especially Schistosoma mansoni in Biomphalaria glabrata. Becker W. **Z Parasitenkd** 1980;63(2):101–11

PARASITOLOGY

Infectivity of a microsporidium of mosquitoes (Nosema algerae) to larval stages of Schistosoma mansoni in Biomphalaria glabrata. Lai PF, et al. **Int J Parasitol** 1980 Aug;10(4):293–301

PATHOGENICITY

Susceptibility of Iraqi fresh water snails to infection with Schistosoma haematobium and Schistosoma mansoni Egyptian strains. Wajdi NA, et al. **Biochem Exp Biol** 1979; 15(2):119–24

Infectivity in rodents of Schistosoma mansoni cercariae of human and murine origin. Combes C, et al. **J Helminthol** 1980 Sep;54(3):167–71

PHYSIOLOGY

Demonstration of several sporocysts generations as a normal pattern of reproduction of Schistosoma mansoni. Jourdane J, et al. **Acta Trop (Basel)** 1980 Jun;37(2):177–82

Ultrastructural analysis of the cellular response to Schistosoma mansoni. II. Inflammatory response in rodent skin. Bentley AG, et al. **Am J Trop Med Hyg** 1981 Jul; 30(4):815–24

Tissue reactions induced by Schistosoma mansoni in Biomphalaria glabrata. Lie KJ, et al. **Ann Trop Med Parasitol** 1980 Apr;74(2):157–66

Dynamics of larval populations of Schistosoma mansoni in Biomphalaria glabrata. I Rhythmic production of cercariae in monomiracidial infections. Theron A. **Ann Trop Med Parasitol** 1981 Feb;75(1):71–7

Role of cell-generated hydrogen peroxide in granulocyte-mediated killing of schistosomula of Schistosoma mansoni in vitro. Kazura JW, et al. **J Clin Invest** 1981 Jan;67(1):93–102

Characteristic features of the oogram pattern and portal mesenteric adult worm load in experimental Schistosoma mansoni infection in mice without treatment. Ghaleb HA, et al. **J Egypt Med Assoc** 1979;62(1–2):63–76

The interaction of some environmental factors influencing Schistosoma mansoni cercarial host-finding. Christensen NO, et al. **J Helminthol** 1980 Sep;54(3):203–5

The effect of varying the number of Schistosoma mansoni miracidia on the reproduction and survival of Biomphalaria pfeifferi. Makanga B. **J Invertebr Pathol** 1981 Jan; 37(1):7–10

Cultivation of Schistosoma mansoni in vitro. II. production of infertile eggs by worm pairs cultured from cercariae. Basch PF. **J Parasitol** 1981 Apr;67(2):186–90

Morphology and reproductive organs and oogenesis in bisexual and unisexual transplants of mature Schistosoma mansoni females. Clough ER. **J Parasitol** 1981 Aug; 67(4):535–9

Pheromonal attraction of Schistosoma mansoni females toward males in the absence of worm–tactile behavior. Imperia PS, et al. **J Parasitol** 1980 Aug;66(4):682–4

Descriptive statistics of swimming behavior of Schistosoma mansoni miracidia in artificial pond water. Plorin GG, et al. **J Parasitol** 1981 Feb;67(1):45–9

Na+–K+ transport, motility and tegumental membrane potential in adult male Schistosoma mansoni. Fetterer RH, et al. **Parasitology** 1981 Feb;82(1):97–109

Metabolic changes associated with the migration of the schistosomulum of Schistosoma mansoni in the mammal host. Lawson JR, et al. **Parasitology** 1980 Oct;81(2):325–36

The survival of the cercariae of Schistosoma mansoni in relation to water temperature and glycogen utilization. Lawson JR, et al. **Parasitology** 1980 Oct;81(2):337–48

RADIATION EFFECTS

Immunization of Baboons with Schistosoma mansoni Cercariae attenuated by gamma irradiation. Stek M Fr, et al. **Science** 1981 Jun 26;212(4502):1518–20

[Irradiation of cercariae of Schistosoma mansoni with ultraviolet rays. II. Resistance induced in mice] Rombert PC, et al. **An Inst Hig Med Trop (Lisb)** 1977–1978; 5(1–4):347–53 (Eng. Abstr.) **(Por)**

[Irradiation of cercariae of Schistosoma mansoni with ultraviolet rays. I. Technic and results] Rombert PC, et al. **An Inst Hig Med Trop (Lisb)** 1977–1978;5(1–4):337–45 (Eng. Abstr.) **(Por)**

ULTRASTRUCTURE

Ultrastructural appearance of freeze–substituted schistosomula of Schistosoma mansoni frozen by a two–step cooling schedule. Walter CA, et al. **Cryobiology** 1981 Apr; 18(2):125–32

Schistosoma mansoni: ultrastructure of early transformation of skin– and shear–pressure–derived schistosomules. Cousin CE, et al. **Exp Parasitol** 1981 Jun;51(3):341–65

Schistosoma mansoni: post–transformational surface changes in schistosomula grown in vitro and in mice. Samuelson JC, et al. **Exp Parasitol** 1980 Dec;50(3):369–83

The adherence of human neutrophils and eosinophils to schistosomula: evidence for membrane fusion between cells and parasites. Caulfield JP, et al. **J Cell Biol** 1980 Jul; 86(1):46–63

Partial and complete detachment of neutrophils and eosinophils from schistosomula: evidence for the establishment of continuity between a fused and normal parasite membrane. Caulfield JP, et al. **J Cell Biol** 1980 Jul;86(1):64–76

An unusual structural feature of the Egyptian strain of Schistosoma mansoni. Voge M, et al. **J Parasitol** 1980 Oct; 66(5):862–3

Intramembrane particle movements associated with binding of lectins on Schistosoma mansoni surface. Torpier G, et al. **J Ultrastruct Res** 1980 Sep;72(3):325–35

Schistosoma mansoni: a scanning electron microscope study of the developing schistosomulum. Crabtree JE, et al. **Parasitology** 1980 Dec;81(Pt 3):553–64

Schistosoma mansoni: the sustentacular cells of the testes. Otubanjo OA. **Parasitology** 1981 Feb;82(1):125–30

Schistosoma mansoni: the ultrastructure of the ducts of the male reproductive system. Otubanjo OA. **Parasitology** 1980 Dec;81(Pt 3):565–71

Isolation and partial characterization of the tegumental outer membrane of adult Schistosoma mansoni. Simpson AJ, et al. **Parasitology** 1981 Aug;83(Pt 1):163–77

SCHISTOSOMIASIS

Double infection of adult mice with Coxsackievirus type B4 and Schistosoma. Abdel Wahab KS, et al. **J Egypt Med Assoc** 1978;61(3–4):263–83

Schistosoma haematobium ova in semen [letter] Lembeli CM, et al. **J Urol** 1981 Apr;125(4):603

The interaction of gram negative bacteria and S. mansoni in mice with experimental schistosomiasis. Rocha H, et al. **Mem Inst Oswaldo Cruz** 1980;75(1–2):161–72

A rare localization of schistosomiasis. Smits PJ, et al. **Neth J Surg** 1980;32(3):117–8

Urethritis due to Schistosoma haematobium with superimposed gonorrhea. Pareek SS. **Sex Transm Dis** 1980 Jul–Sep;7(3):137–8

Schistosomiasis [editorial] **Trop Doct** 1980 Oct;10(4):145–6

[Medullary bilharziasis. Apropos of a case (letter)] Goldstein B, et al. **Nouv Presse Med** 1981 May 16;10(22):1845 **(Fre)**

[Urinary infections caused by Salmonella typhi and Schistosoma haematobium (letter)] Kernbaum S, et al. **Nouv Presse Med** 1979 Jan 27;8(5):366 **(Fre)**

[Influence of the sex of the host in the susceptability to Schistosoma mansoni infection] Rombert PC, et al. **An Inst Hig Med Trop (Lisb)** 1977–1978;5(1–4):363–6 (Eng. Abstr.) **(Por)**

BLOOD

The production and nature of anemia in Schistosoma japonicum infections. Robinson A, et al. **Am J Trop Med Hyg** 1980 Nov;29(6):1301–6

Effect of schistosomal infection on some functional activities of blood platelets. Omran SA, et al. **Egypt J Bilharz** 1978; 5(1–2):41–8

Plasma insulin; insulin resistance and glucose intolerance in children with bilharzial hepatic fibrosis. Zaki K, et al. **Hepatogastroenterology** 1980 Dec;27(6):417–22

Studies on portal hypertension and its relation to serum histamine level in patients with bilharzial hepatic fibrosis. El–Hawey AM, et al. **J Egypt Med Assoc** 1978; 61(3–4):299–311

Induction of T cell–independent eosinophilia in mice with polymyxin B and schistosome infection. Tsuda S, et al. **Lab Invest** 1980 Dec;43(6):495–9

An immunosuppressive factor in the serum of patients with schistosomiasis. Cottrell BJ, et al. **Trans R Soc Trop Med Hyg** 1980;74(3):415–6

[Qualitative changes of the electrophoretic profile (beta–gamma fusion and H fraction) in patients with schistosomiasis, cirrhosis and diffuse diseases of connective tissue] Mincis M, et al. **AMB** 1980 Nov;26(11):363–5 (Eng. Abstr.) **(Por)**

COMPLICATIONS

Relationship between acquired resistance, portal hypertension, and lung granulomas in ten strains of mice infected with Schistosoma mansoni. Dean DA, et al. **Am J Trop Med Hyg** 1981 Jul;30(4):806–14

Salmonella paratyphi A in hamsters concurrently infected with Schistosoma mansoni. Mikhail IA, et al. **Am J Trop Med Hyg** 1981 Mar;30(2):385–93

Nephrotic syndrome in Sudanese patients with schistosomiasis mansoni infection. Musa AM, et al. **Ann Trop Med Parasitol** 1980 Dec;74(6):615–8

Bilharziasis and azoospermia. Girgis SM, et al. **Arch Androl** 1980 Dec;5(4):369–72

Alpha–chain disease, schistosomiasis and toxoplasmosis: a case report in Brazil and follow–up for 5 years. Padua RA, et al. **Arq Gastroenterol** 1980 Oct–Dec;17(4):213–8

Effect of Schistosoma haematobium and N–butyl–N–(4–hydroxybutyl)nitrosamine on the development of urothelial neoplasia in the baboon. Hicks RM, et al. **Br J Cancer** 1980 Nov;42(5):730–55

The relation of urinary bilharziasis to vesical stones in children. Kambal A. **Br J Urol** 1981 Aug;53(4):315

Evolution of colorectal cancer in schistsosomiasis: transitional mucosal changes adjacent to large intestinal carcinoma in colectomy specimens. Ming–Chai C, et al. **Cancer** 1980 Oct 1;46(7):1661–75

Iron deficiency and dyserythropoiesis in bilharzial and non–bilharzial patients. Omran SA, et al. **Egypt J Bilharz** 1978;5(1–2):1–8

Bilharzial (schistosomal) ureteritis calcinosa. Hanafy HM, et al. **Eur Urol** 1981;7(3):161–4

Surgical correction of portal hypertension caused by schistosomal hepatic fibrosis. Mahdy AA. **J Egypt Med Assoc** 1978;61(9–10):633–5

A study of small intestinal function histology and histochemistry in hepatosplenic schistosomiasis. Souidan MZ, et al. **J Egypt Med Assoc** 1979;62(1–2):119–45

Resistance to Fasciola hepatica in calves harbouring primary patent Schistosoma bovis infections. Sirag SB, et al. **J Helminthol** 1981 Mar;55(1):63–70

Bilharzial hydronephrosis: a clinicoradiological study. Umerah BC. **J Urol** 1981 Aug;126(2):164–5

Renal amyloidosis and schistosomiasis. Barsoum RS, et al. **Trans R Soc Trop Med Hyg** 1979;73(4):367–74

Susceptibility to Leishmania mexicana of mice infected with schistosoma mansoni [letter] Coelho PM, et al. **Trans R Soc Trop Med Hyg** 1980;74(1):141

Schistosoma haematobium and the nephrotic syndrome. Greenham R, et al. **Trans R Soc Trop Med Hyg** 1980; 74(5):609–13

Massive splenomegaly in Northern Zambia. II. Schistosomal splenomegaly and elevated IgG. Lowenthal MN, et al. **Trans R Soc Trop Med Hyg** 1980;74(1):99–103

Helminths in the induction of cancer II. Schistosoma haematobium and bladder cancer. Schwartz DA. **Trop Geogr Med** 1981 Mar;33(1):1–7 (45 ref.)

A study on the etiological factors of bilharzial bladder cancer in Egypt: 5–urinary nitrite in a rural population. El–Aaser AA, et al. **Tumori** 1980 Aug 31;66(4):409–14

[Clinical and pathological observation of 15 cases of gastric schistosomiasis complicated by gastric carcinoma (author's transl)] Qian SL. **Chung Hua Nei Ko Tsa Chih** 1980 Sep; 19(5):365–6 **(Chi)**

[Gastric schistosomiasis complicated by gastric cancer: a report of 5 cases (author's transl)] Wang JS. **Chung Hua Nei Ko Tsa Chih** 1979;18(6):465–7 **(Chi)**

[Cor pulmonale caused by chronic schistosomiasis japonica (author's transl)] Zheng JS. **Chung Hua Nei Ko Tsa Chih** 1980 Sep;19(5):363–4 **(Chi)**

[Late results of splenectomy and omentopexy in the treatment of schistosomiasis portal hypertension (author's transl)] Meng CW. **Chung Hua Wai Ko Tsa Chih** 1979;17(1):37–9 **(Chi)**

[Results of spleno–renal anastomosis in the treatment of portal hypertension due to mansoni schistosomiasis. Apropos of a review of the literature] Strauss E, et al. **Arq Gastroenterol** 1980 Apr–Jun;17(2):81–7 (Eng. Abstr.) **(Fre)**

[Surgical treatment of portal hypertension in patients with bilharziosis and Banti's syndrome in tropical Africa (author's transl)] Cornet L, et al. **Chirurgie** 1980; 106(5):335–42 (Eng. Abstr.) **(Fre)**

[Schistosomiasis of the liver causing portal hypertension] Janson R, et al. **ROEFO** 1981 Jan;134(1):89–91 **(Ger)**

[Investigations and review of literature relating to carcinogenesis. I. Communication: Cancer from asbestos, schistosomiasis, and cicatrization (author's transl)] Brand G, et al. **Zentralbl Bakteriol [B]** 1980 Jun;171(1):1–17 (0 ref.) (Eng. Abstr.) **(Ger)**

[Investigations and review of literature relationg to carcinogenesis III. Communication: the results of experimental foreign body–carcinogenesis in relation to asbestos, schistosomiasis and scar cancer in man (author's transl)] Brand G, et al. **Zentralbl Bakteriol [B]** 1980; 171(6):544–73 (550 ref.) **(Ger)**

[An autopsy case of cryptococcal meningitis with chronic schistosomiasis, Japonica (author's transl)] Kumakura T, et al. **Rinsho Shinkeigaku** 1981 Mar;21(3):209–12 (Eng. Abstr.) **(Jpn)**

[Arteriovenous oximetric study in portal hypertension syndrome due to hepatosplenic schistosomiasis mansoni] Leite Sobrinho GB, et al. **AMB** 1980 Oct;26(10):316–23 (Eng. Abstr.) **(Por)**

[Vesical schistosomiasis mansoni simulating a tumor. Report of a case (author's transl)] Mitre AI, et al. **AMB** 1980 Feb; 26(2):74–6 (Eng. Abstr.) **(Por)**

[The portal system and the hepatic, splenic and superior mesenteric arteries in hepatosplenic schistosomiasis. Angiographic study] Mies S, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1980 Jun;35(3):121–31 (62 ref.) (Eng. Abstr.) **(Por)**

[Inferior vena cava and suprahepatic veins in hepatosplenic schistosomiasis. Angiographic study] Mies S, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1980 Jun;35(3):136–42 (Eng. Abstr.) **(Por)**

[Endocrine disorders in schistosomiasis. Experimental aspects of hepatosplenic schistosomiasis in mice] Costa J de S, et al. **Rev Inst Med Trop Sao Paulo** 1980 Sep–Oct; 22(5):246–60 (Eng. Abstr.) **(Por)**

CONGENITAL

[Murine schistosomiasis and congenital resistance] Rombert PC, et al. **An Inst Hig Med Trop (Lisb)** 1977–1978; 5(1–4):425–7 (Eng. Abstr.) **(Por)**

DIAGNOSIS

Circumoval precipitin antigens for the diagnosis of schistosomiasis. I. Development of an antiserum reactive with Schistosoma mansoni eggs by the circumoval precipitin test. Hillyer GV, et al. **Am J Trop Med Hyg** 1980 Nov;29(6):1249–53

Immunodiagnosis of infection with Schistosoma haematobium and S. mansoni in man. Hillyer GV, et al. **Am J Trop Med Hyg** 1980 Nov;29(6):1254–7

The circumoval precipitin test for the serodiagnosis of human schistosomiasis mansoni and haematobia. Hillyer GV, et al. **Am J Trop Med Hyg** 1981 Jan;30(1):121–6

Unusual presentation of extragenital cutaneous Schistosomiasis mansoni. Jacyk WK, et al. **Br J Dermatol** 1980 Aug;103(2):205–8

Evaluating bilharzial ureteropathy for surgery. Husain I, et al. **Br J Urol** 1980 Dec;52(6):446–50

Studies on bilharzial dysentery: the relation among the egg count, the number of bowel motion and the antibody titre and the relation between the schistosomal antibody titre as detected by indirect haemagglutination test and the size of the wheal area of the intradermal test. Gawish N, et al. **Egypt J Bilharz** 1978;5(1–2):29–40

Cercaria dermatitis. Shimizu M, et al. **J Dermatol (Tokyo)** 1981 Apr;8(2):117–24

Automated measurement of immunogalactosidase reactions with a fluorogenic substrate by the aperture defined microvolume measurement method and its potential application to Schistosoma mansoni immunodiagnosis. Deelder AM, et al. **J Immunol Methods** 1980; 36(3–4):269–83

Schistosomiasis haematobium: case report and review. Pray RR. **J Iowa Med Soc** 1980 Sep;70(9):379–82

Evaluation of the ELISA test as an epidemiological tool in schistosomiasis. Janitschke K, et al. **J Trop Med Hyg** 1981 Aug;84(4):147–54

Hybridoma–derived antibody with immunodiagnostic potential for schistosomiasis japonica. Mitchell GF, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):3165–9

Schistosoma japonicum: use of a radioimmunoassay for anti egg antibodies in human sera. Tapales FP, et al. **Southeast Asian J Trop Med Public Health** 1981 Mar; 12(1):19–23

Immunodiagnosis of recently acquired Schistosoma mansoni infection. A comparison of various immunological techniques. Deelder AM, et al. **Trop Geogr Med** 1981 Mar; 33(1):36–41

[Diagnosis of schistosomiasis japonica by dry ova precipitation reaction (author's transl)] **Chung Hua Nei Ko Tsa Chih** 1979;18(3):197–200 **(Chi)**

[Indirect hemagglutination in the diagnosis of bilharziasis.

Comparison with indirect immunofluorescence in the study of 3624 human serums] Ambroise-Thomas P, et al. **Bull Soc Pathol Exot Filiales** 1980 May-Jun;73(3):277-88 **(Fre)**

[Human basophil degranulation test in schistosomiasis (author's transl) (letter)] Abrego A, et al. **Nouv Presse Med** 1981 Jan 31;10(4):258 **(Fre)**

[Schistosoma mansoni bilharziasis evolving 30 years after infestation (letter)] Ambroise-Thomas P, et al. **Nouv Presse Med** 1979 Jan 6;8(1):41 **(Fre)**

[ELISA in schistosomiasis. Limits. Possibility of application (author's transl)] Derouin F, et al. **Pathol Biol (Paris)** 1980 Sep;28(7):465-8 (Eng. Abstr.) **(Fre)**

[Urogenital bilharziasis - differential diagnosis] Prüfer L. **MMW** 1980 Nov 14;122(46):suppl 64-5 **(Ger)**

[Bilharziasis as an incidental finding during treatment of African patients] Drawz G, et al. **Z Urol Nephrol** 1981 Apr;74(4):267-9 (Eng. Abstr.) **(Ger)**

[Indirect immunoperoxidase technic in the biological diagnosis of human parasitic disease] Vullo V, et al. **Boll Ist Sieroter Milan** 1979 May 31;58(2):141-7 (Eng. Abstr.) **(Ita)**

[Studies on the diagnosis of schistosomiasis japonica. (3) An immediate intradermal test on the inhabitants of an endemic area and an epidemiologic study based on the analysis of a dermal reaction (author's transl)] Kutsumi H, et al. **Hokkaido Igaku Zasshi** 1980 Mar;55(2):89-103 (Eng. Abstr.) **(Jpn)**

[Case of Schistosoma haematobium invasion] Powałowska J, et al. **Wiad Lek** 1981 Jan 15;34(2):167-70 (Eng. Abstr.) **(Pol)**

[Gaucher's disease. Differential diagnosis in schistosomiasis hepatosplenomegaly] Tacla M, et al. **Arq Gastroenterol** 1980 Jan-Mar;17(1):21-5 (Eng. Abstr.) **(Por)**

[Clinical course of Manson's schistosomiasis in the inhabitants of Burundi] Trokhimenko MZ. **Med Parazitol (Mosk)** 1980 Sep-Oct;49(5):31-4 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Assessment of 35972 RP (oltipraz) a new antischistosomal drug against Schistosoma haematobium, Schistosoma mansoni, and Schistosoma intercalatum. Gentilini M, et al. **Acta Trop (Basel)** 1980 Sep;37(3):271-4

Susceptibility to chemotherapeutic agents of strains of Schistosoma mansoni isolated from treated and untreated patients. Araujo N, et al. **Am J Trop Med Hyg** 1980 Sep; 29(5):890-4

Effect of praziquantel on clinical-chemical parameters in healthy and schistosome-infected mice. Andrews P, et al. **Ann Trop Med Parasitol** 1980 Apr;74(2):167-77

Biltricide symposium on African schistosomiasis. Nairobi, 24--26 February, 1980. **Arzneimittelforsch** 1981; 31(3a):535-618

Preliminary results of chemotherapy using praziquantel on a large scale in Qalyub Bilharziasis Project where simultaneous infection with S. mansoni and S. haematobium exists. El-Alamy MA, et al. **Arzneimittelforsch** 1981; 31(3a):612-5

A summary of the efficacy of praziquantel against schistosomes in animal experiments and notes on its mode of action. Andrews P. **Arzneimittelforsch** 1981; 31(3a):538-41 (47 ref.)

The planning of a community health model project in an area in Egypt (El Qalyub) with concomitant occurrence of S. mansoni and S. haematobium. Cline BL, et al. **Arzneimittelforsch** 1981;31(3a):609-12

Praziquantel in the treatment of the hepatosplenic form of Schistosomiasis mansoni. da Silva LC, et al. **Arzneimittelforsch** 1981;31(3a):601-3

Tolerance and efficacy of praziquantel in phase II A and II B therapeutic trials in Zambian patients. Davis A, et al. **Arzneimittelforsch** 1981;31(3a):568-74

Praziquantel: a new schistosomicide against Schistosoma mansoni. McMahon JE. **Arzneimittelforsch** 1981; 31(3a):592-4

Observations on praziquantel against Schistosoma haematobium. McMahon JE. **Arzneimittelforsch** 1981; 31(3a):579-80

Praziquantel in the treatment of mixed S. haematobium and S. mansoni infections. Omer AH. **Arzneimittelforsch** 1981; 31(3a):605-8

Clinical experience with praziquantel in the treatment of Nigerian patients infected with S. haematobium. Oyediran AB, et al. **Arzneimittelforsch** 1981;31(3a):581-4

Preliminary observations on the treatment of Schistosomiasis mansoni with praziquantel in Kenya. Smith DH, et al. **Arzneimittelforsch** 1981;31(3a):594-6

The effect of praziquantel on Schistosoma haematobium, S. japonicum and S. mansoni in primates. Webbe G, et al. **Arzneimittelforsch** 1981;31(3a):542-4

Trial designs for multicentre clinical studies of investigational phases I B to III with praziquantel. Wegner DH. **Arzneimittelforsch** 1981;31(3a):566-7

Concurrent dosage with niridazole and metrifonate for the treatment of Bilharziasis in school children in Malawi. Teesdale CH, et al. **Cent Afr J Med** 1980 Sep;26(9):202-5

Evaluation of oxamniquine in the treatment of S. mansoni infection among Sudanese patients. Ibrahim AM. **East Afr Med J** 1980 Aug;57(8):566-73

Use of metrifonate for selective population chemotherapy against urinary schistosomiasis in an endemic area at Mwanza, Tanzania. Rugemalila JB, et al. **East Afr Med J** 1981 Jan;58(1):37-43

The treatment of schistosomiasis. Gilles HM. **J Antimicrob Chemother** 1981 Feb;7(2):113-4

Paracetamol in hepatosplenic bilharziasis. Khalil N, et al. **J Egypt Med Assoc** 1978;61(5-6):449-56

Efficacy of oxamniquine in treatment of S. mansoni in a closed community in Egypt and the concomitant administration of both metrifonate and oxamniquine in mixed infections. Saif M, et al. **J Egypt Med Assoc** 1978; 61(5-6):427-31

An assessment of anti-schistosomal treatment on physical work capacity. Awad El Karim MA, et al. **J Trop Med Hyg** 1981 Apr;84(2):67-72

Symposium on oxamniquine, Rio de Janeiro, Brazil, October, 1978. **Rev Inst Med Trop Sao Paulo** 1980 Jan-Feb;22(1 Suppl 4):2-237 **(Eng, Por)**

The liver after oxamniquine treatment of schistosomiasis. Andrade ZA, et al. **Rev Inst Med Trop Sao Paulo** 1980 Jan-Feb;22(1 Suppl 4):37-40, 153-6 **(Eng, Por)**

Oxamniquine in the treatment of schistosomiasis in a population in area with low endemicity. Bina JC, et al. **Rev Inst Med Trop Sao Paulo** 1980 Jan-Feb;22(1 Suppl 4):94-7, 212-6 **(Eng, Por)**

Field experiences with oral oxamniquine in the treatment of schistosomiasis mansoni. Coura JR, et al. **Rev Inst Med Trop Sao Paulo** 1980 Jan-Feb;22(1 Suppl 4):77-84, 195-202 **(Eng, Por)**

Evaluation of the treatment of severe forms of schistosomiasis mansoni with oxamniquine. Coutinho A, et al. **Rev Inst Med Trop Sao Paulo** 1980 Jan-Feb;22(1 Suppl 4):41-51, 157-67 **(Eng, Por)**

Serum levels and efficacy of oxamniquine in patients with Schistosomiasis mansoni following administration of a therapeutic dose. da Silva LC, et al. **Rev Inst Med Trop Sao Paulo** 1980 Jan-Feb;22(1 Suppl 4):58-64, 175-81 **(Eng, Por)**

Goals of applied chemotherapeutic research in schistosomiasis. Davis A. **Rev Inst Med Trop Sao Paulo** 1980 Jan-Feb;22(1 Suppl 4):73-6, 190-4 **(Eng, Por)**

Oxamniquine (Vansil) in the treatment of schistosomiasis in Rhodesia. de Clarke V. **Rev Inst Med Trop Sao Paulo** 1980 Jan-Feb;22(1 Suppl 4):28-31, 144-7 **(Eng, Por)**

Current results in the clinical therapy of schistosomiasis mansoni. Katz N. **Rev Inst Med Trop Sao Paulo** 1980 Jan-Feb;22(1 Suppl 4):8-17, 123-33 (112 ref.) **(Eng, Por)**

A fifteen-month study on the efficacy of a single 15 mg/kg dose of oxamniquine (Vansil) in Schistosoma mansoni in an endemic area. Nozais JP. **Rev Inst Med Trop Sao Paulo** 1980 Jan-Feb;22(1 Suppl 4):52-7, 168-74 **(Eng, Por)**

Observations of the treatment of mansoni schistosomiasis with oxamniquine: efficacy in children and in persistent salmonellosis; resistance of a strain of Schistosoma mansoni; hepatic toxicity and neurological side effects. Pedro R de J, et al. **Rev Inst Med Trop Sao Paulo** 1980 Jan-Feb;22(1 Suppl 4):32-6, 148-52 **(Eng, Por)**

Attempt to control the schistosomiasis transmission by oxamniquine, in an hyperendemic locality. Prata A, et al. **Rev Inst Med Trop Sao Paulo** 1980 Jan-Feb;22(1 Suppl 4):65-72, 182-9 **(Eng, Por)**

Clinical development of oxamniquine in Egypt. Saif M, et al. **Rev Inst Med Trop Sao Paulo** 1980 Jan-Feb;22(1 Suppl 4):18-27, 134-43 **(Eng, Por)**

Treatment of advanced hepatosplenic schistosomiasis with oxamniquine. Farid Z, et al. **Trans R Soc Trop Med Hyg** 1980;74(3):400-1

Single dose use of metrifonate [letter] Wilkins HA, et al. **Trans R Soc Trop Med Hyg** 1980;74(5):692-3

Praziquantel compared to niridazole in schistosomiasis intercalatum therapy. Feldmeier H, et al. **Tropenmed Parasitol** 1981 Mar;32(1):39-42

Preliminary report on long term cure of schistosomiasis using metrifonate (Bilarcil/Dipterex)--a new antischistosomal drug. Onadeko MO. **West Afr J Pharmacol Drug Res** 1979; 5(1):19-24

[Treatment of schistosomiasis with furan-propylamine and dipterex--its reaction, effectiveness and evaluation (author's transl)] Xu RK. **Chung Hua Nei Ko Tsa Chih** 1980; 19(1):63-4 **(Chi)**

[Studies on fuvinazole-dipterex combination in treatment for schistosomiasis in 318 cases (author's transl)] Chen MG. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1980 Sep; 2(3):204-5 (Eng. Abstr.) **(Chi)**

[Studies on the enzyme linked immunosorbent assay (ELISA) for evaluation of cure in schistosomiasis (author's transl)] Yan ZZ, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1980 Mar; 2(1):47-50 (Eng. Abstr.) **(Chi)**

[Synthesis of a new schistosomicide S72014 and its homologs (author's transl)] Huang LS, et al. **Yao Hsueh Hsueh Pao** 1980 Jun;15(6):346-50 (Eng. Abstr.) **(Chi)**

[Efficacy and toxicity of an indane compound, S75029 in experimental therapy of Schistosomiasis japonica (author's transl)] Xiao SH, et al. **Yao Hsueh Hsueh Pao** 1980 Jul; 15(7):437-40 (Eng. Abstr.) **(Chi)**

[Studies on the effectiveness and toxicity of a niridazole derivative S 72014 in experimental chemotherapy of schistosomiasis japonica (author's transl)] Xiao SH, et al. **Yao Hsueh Hsueh Pao** 1980;15(8):456-62 (Eng. Abstr.) **(Chi)**

[Experimental Schistosoma mansoni parasitosis in golden hamsters. Effects on the intensity of parasitism, and on the rate of antibodies' circulation, after administration of estrogen, testosterone, or progesterone (author's transl)] Barrabes A, et al. **Ann Parasitol Hum Comp** 1980 Nov-Dec; 55(6):671-7 (Eng. Abstr.) **(Fre)**

[Control for 1 year following niridazole treatment of Schistosoma haematobium and S. mansoni bilharziasis] Pieron R, et al. **Ann Soc Belg Med Trop** 1980;60(1):27-32 (Eng. Abstr.) **(Fre)**

[Sensitivity of a strain of Schistosoma intercalatum from Loum (Cameroon) and is natural hybrid to treatment with praziquantel. Preliminary results] Deniau M, et al. **Arzneimittelforsch** 1981;31(3a):589-91 (Eng. Abstr.) **(Fre)**

[Trial of praziquantel in the treatment of urinary schistosomiasis in Senegal] Diallo S, et al. **Arzneimittelforsch** 1981;31(3a):574-8 (Eng. Abstr.) **(Fre)**

[Therapeutic field trial with praziquantel in a rural population in Mali infected with Schistosoma mansoni (author's transl)] Ranque P, et al. **Arzneimittelforsch** 1981;31(3a):597-8 **(Fre)**

[Epidemiological study of foci of S. intercalatum schistosomiasis in Eseka and Edea (Cameroon). Effects of treatment with praziquantel] Ripert C, et al. **Arzneimittelforsch** 1981;31(3a):584-9 (Eng. Abstr.) **(Fre)**

[Initial therapeutic trials of an antibilharzial agent, 35 972 R.P. in man] Gentilini M, et al. **Bull Soc Pathol Exot Filiales** 1979 Sep-Dec;72(5-6):466-71 (Eng. Abstr.) **(Fre)**

[The influence of synthetic estrogens on experimental Schistosoma mansoni parasitosis in hamster: studies of the effects of anti-estrogens (tamoxifen and clomifen) (author's transl)] Barrabes A, et al. **J Pharm Belg** 1981 Mar-Apr; 36(2):91-6 (Eng. Abstr.) **(Fre)**

[Monitoring the treatment of S. haematobium schistosomiasis by rectal biopsy (letter)] Pieron R, et al. **Nouv Presse Med** 1981 Feb 14;10(6):430-1 **(Fre)**

[Oltipraz in one-day treatment of Schistosoma haematobium bilharziasis (pharmacokinetic data, therapeutic effects)] Piéron R, et al. **Rev Med Interne** 1981;2(2):231-7 (Eng. Abstr.) **(Fre)**

[Medical parasitology and development aid (author's transl)] Piekarski G. **Immun Infekt** 1981 Apr;9(2):50-5 (Eng. Abstr.) **(Ger)**

[Schistosoma mansoni and PGE1. Experimental study in vitro and in vivo] Cicchini T, et al. **Ann Sclavo** 1980 Sep-Oct; 22(5):755-62 **(Ita)**

[Hepatic enzymes after the administration of oxamniquine, a new schistosomicide agent] Huggins D. **An Inst Hig Med Trop (Lisb)** 1977-1978;5(1-4):355-60 (Eng. Abstr.) **(Por)**

[Treatment of mansonic schistosomiasis with oxamniquine (UK-4271)] Huggins D. **An Inst Hig Med Trop (Lisb)** 1977-1978;5(1-4):215-20 (Eng. Abstr.) **(Por)**

[Drug therapy of mansoni schistosomiasis] Zeitune JM, et al. **Arq Gastroenterol** 1980 Apr-Jun;17(2):88-95 (Eng. Abstr.) **(Por)**

[Experiences with large scale chemotherapy in the control of schistosomiasis in Brazil] Katz N. **Rev Inst Med Trop Sao Paulo** 1980 Jan-Feb;22(1):40-51 (Eng. Abstr.) **(Por)**

ECONOMICS

Incapacitating effects of schistosomiasis mansoni on the productivity of sugar-cane cutters in northeastern Brazil. Barbosa FS, et al. **Am J Epidemiol** 1981 Jul;114(1):102-11

ENZYMOLOGY

Hemoglobinolytic activity of serum in mice infected with Schistosoma mansoni. Senft AW, et al. **Am J Trop Med Hyg** 1981 Jan;30(1):96-101

Studies on certain serum enzymatic activities in hepatosplenic bilharziasis. el-Haieg MO, et al. **Egypt J Bilharz** 1978; 5(1-2):19-28

Effect of hycanthone and niridazole on cholinesterase levels in experimental schistosomiasis. Hanna SK, et al. **Egypt J Bilharz** 1978;5(1-2):101-12

Enhanced granuloma angiotensin I converting enzyme activity associated with modulation in murine schistosomiasis. Weinstock JV, et al. **Gastroenterology** 1981 Jul;81(1):48-53

Serum enzymatic changes in patients with schistosomiasis treated with oxamniquine or hycanthone. Comparative study. Saéz-Alquézar A, et al. **Rev Inst Med Trop Sao Paulo** 1980 Jan-Feb;22(1 Suppl 4):105-10, 225-31 **(Eng, Por)**

Malate dehydrogenase isoenzymes of liver and plasma in prepatent murine schistosomiasis mansoni. Ferrante FM, et al. **Trans R Soc Trop Med Hyg** 1980;74(6):795-7

IMMUNOLOGY

Influence of the I-region of the H-2 complex on the immune response to murine Schistosoma mansoni infections. Claas FH, et al. **Acta Leiden** 1980;48:23-7

Schistosomiasis: immunologic properties of developing schistosomula. Sher A, et al. **Am J Pathol** 1981 Jan; 102(1):121-6

Role of anaphylactic antibodies in immunity to schistosomes. Capron A, et al. **Am J Trop Med Hyg** 1980 Sep; 29(5):849-57

Cercaria-induced histamine release: a factor in the pathogenesis of schistosome dermatitis? Catto BA, et al.

Am J Trop Med Hyg 1980 Sep;29(5):886–9

Differences in adult Schistosoma mansoni worm burden requirements for the establishment of resistance to reinfection in inbred mice. I. CBA/J and C57BL/6 mice. Colley DG, et al. **Am J Trop Med Hyg** 1980 Nov; 29(6):1279–85

Mechanism of the interaction mediating killing of Schistosoma mansoni by human eosinophils. David JR, et al. **Am J Trop Med Hyg** 1980 Sep;29(5):842–8

Attempts to transfer the resistance of Schistosoma mansoni-infected and irradiated cercaria-immunized mice by means of parabiosis. Dean DA, et al. **Am J Trop Med Hyg** 1981 Jan;30(1):113–20

The circumoval precipitin reaction on Schistosoma mansoni eggs as seen by scanning electron microscopy. Ford JW, et al. **Am J Trop Med Hyg** 1980 Nov;29(6):1246–8

Characterization of the cellular responses of the pulmonary and hepatic phases of primary murine Schistosoma mansoni infections. Khoury PB, et al. **Am J Trop Med Hyg** 1981 Mar;30(2):394–401

Analysis of the immunoglobulins responsible for the circumoval precipitation reaction. Long GW, et al. **Am J Trop Med Hyg** 1980 Nov;29(6):1241–5

Acquired immunity in B cell-deficient mice to challenge exposure following primary infection with Schistosoma mansoni. Maddison SE, et al. **Am J Trop Med Hyg** 1981 May;30(3):609–15

Value of beta 1C/1A globulin serum levels as an early index of glomerular involvement in Schistosoma mansoni infection. Martinelli R, et al. **Am J Trop Med Hyg** 1980 Sep;29(5):882–5

Resistance to cercarial challenge upon transfer of Schistosoma mansoni into mice. Peresan G, et al. **Am J Trop Med Hyg** 1980 Nov;29(6):1258–62

The immunologic modulation of morbidity in schistosomiasis. Studies in athymic mice and in vitro granuloma formation. Phillips SM, et al. **Am J Trop Med Hyg** 1980 Sep; 29(5):820–31

Gross and histological studies of immediate, Arthus, and delayed skin test responses to schistosome antigen, and of delayed response to ubiquitous antigens in Egyptians. El Raziky KH, et al. **Am J Trop Med Hyg** 1981 Mar; 30(2):373–84

The eosinophil in the inflammatory response to cercarial challenge of sensitized and chronically infected CBA/J mice. Savage AM, et al. **Am J Trop Med Hyg** 1980 Nov; 29(6):1268–78

Protective immunity in murine schistosomiasis mansoni: evidence for two distinct mechanisms. Smithers SR, et al. **Am J Trop Med Hyg** 1980 Sep;29(5):832–41

Immune responses during human schistosomiasis mansoni. VII. Further analysis of the interactions between patient sera and lymphocytes during in vitro blastogenesis to schistosome antigen preparations. Todd CW, et al. **Am J Trop Med Hyg** 1980 Sep;29(5):875–81

Pulmonary cell reactions in natural and acquired host resistance to Schistosoma mansoni. von Lichtenberg F, et al. **Am J Trop Med Hyg** 1980 Nov;29(6):1286–300

Factors affecting the acquisition of resistance against Schistosoma mansoni in the mouse. VIII Failure of concurrent infections with Plasmodium chabaudi to affect resistance to reinfection with S. mansoni. Long E, et al. **Ann Trop Med Parasitol** 1981 Feb;75(1):79–86

A study of Schistosoma mansoni reinfection in thymectomized rats. Cioli D, et al. **Cell Immunol** 1980 Aug 1;53(2):246–56

Kinetics and mechanisms of pulmonary granuloma formation around Schistosoma japonicum eggs injected into mice. Olds GR, et al. **Cell Immunol** 1981 May 15;60(2):251–60

Dipetalonema viteae infective larvae reach reproductive maturity in rats immunodepressed by prior exposure to Schistosoma mansoni or its products and in congenitally athymic rats. Haque A, et al. **Clin Exp Immunol** 1981 Jan; 43(1):1–9

Circulating antigens, immune complexes and C3d levels in human schistosomiasis: relationship with Schistosoma mansoni egg output. Santoro F, et al. **Clin Exp Immunol** 1980 Nov;42(2):219–25

A preliminary report on the materno-foetal immunological changes in schistosomiasis. I. Immunoglobulin changes. Abbassy AF, et al. **Egypt J Bilharz** 1978;5(1–2):71–6

A preliminary report on materno-foetal immunological changes in schistosomiasis. II. Circulating antigens and antibodies. el-Raziky EH, et al. **Egypt J Bilharz** 1978; 5(1–2):77–84

Schistosoma mansoni: influence of the mouse host's sex, age, and strain on resistance to reinfection. Bickle Q, et al. **Exp Parasitol** 1980 Oct;50(2):222–32

Schistosoma species: transmission electron microscopy of the circumoval immune precipitin reaction on eggs. Demaree R, et al. **Exp Parasitol** 1981 Aug;52(1):77–85

Schistosoma mansoni: vaccination of mice with highly x-irradiated cercariae. Hsü SY, et al. **Exp Parasitol** 1981 Aug;52(1):91–104

Schistosoma mansoni: the attrition of a challenge infection in mice immunized with highly irradiated live cercariae. Miller KL, et al. **Exp Parasitol** 1980 Oct;50(2):212–21

Schistosoma mansoni: anodic polysaccharide antigen in glomerular immune deposits of mice with unisexual infections. Van Marck EA, et al. **Exp Parasitol** 1981 Aug; 52(1):62–8

Immunoregulatory aspects of parasitic infections. Colley DG. **Fed Proc** 1981 Apr;40(5):1440–2

Serum protein concentrations during Schistosoma mansoni infection in intact and T-cell deprived mice. II. Immunoglobulin G and antibodies specific for heterologous erythrocytes. Musallam R, et al. **Immunology** 1980 Jul; 40(3):343–52

Modification of immune responsiveness in murine Schistosomiasis mansoni. I. Time course after cercarial exposure. Trizio D, et al. **Immunology** 1980 Jul;40(3):353–8

The effects of a soluble factor released by sensitized mononuclear cells incubated with S. haematobium ova on eosinophil migration. Wadee AA, et al. **Immunology** 1980 Dec;41(4):989–95

Thymocytotoxic autoantibodies found in mice infected with Schistosoma japonicum. Kawabata M, et al. **Infect Immun** 1981 May;32(2):438–42

Strain differences in lymphocyte responses and in vitro suppressor cell induction between Schistosoma mansoni-infected C57BL/6 and CBA mice. Lewis FA, et al. **Infect Immun** 1981 Apr;32(1):260–7

Natural killer cells (NK) and antibody-dependent cell-mediated cytotoxicity (ADCC) components of Schistosoma mansoni infection. Attallah AM, et al. **Int Arch Allergy Appl Immunol** 1980;63(3):351–4

Fractionation and characterization of allergens extracted from eggs of Schistosoma japonicum. Owhashi M, et al. **Int Arch Allergy Appl Immunol** 1981;64(2):146–56

Role of host granulomatous response in murine schistosomiasis mansoni. eosinophil-mediated destruction of eggs. Olds GR, et al. **J Clin Invest** 1980 Dec;66(6):1191–9

Antibody titre against E. coli in bilharzial liver cirrhosis. Fayez MA, et al. **J Egypt Med Assoc** 1978;61(7–8):463–70

Studies on the effect of live bacillus Calmette Guerin (BCG) inoculation on some immunological and pathological aspects of chronic murine schistosomiasis mansoni. El-Hawey AM, et al. **J Egypt Med Assoc** 1978; 61(5–6):433–48

The study of the immune responses in patients with uncomplicated urinary schistosomiasis. El-Hawey AM, et al. **J Egypt Med Assoc** 1978;61(3–4):253–62

A preliminary study on the effect of iron-deficiency anaemia and hypoproteinaemia on cell- mediated immune response in hepatosplenic schistosomiasis. Omran SA, et al. **J Egypt Med Assoc** 1978;61(11–12):795–802

Enhancement of Schistosoma mansoni infection induced by the methanol-extraction residue (MER) fraction of BCG. Hamburger J, et al. **J Helminthol** 1981 Mar;55(1):45–8

Immunogenicity of haptenated schistosomula in vitro. Abbas AK, et al. **J Immunol** 1981 Mar;126(3):1022–4

In vitro killing of S. mansoni schistosomula by lymphokine-activated mouse macrophages. Bout DT, et al. **J Immunol** 1981 Jul;127(1):1–5

Modulation of granulomatous hypersensitivity. II. Participation of Ly 1+ and Ly 2+ T lymphocytes in the suppression of granuloma formation and lymphokine production in Schistosoma mansoni-infected mice. Chensue SW, et al. **J Immunol** 1981 Jul;127(1):363–7

T lymphocytes that contribute to the immunoregulation of granuloma formation in chronic murine schistosomiasis. Colley DG. **J Immunol** 1981 Apr;126(4):1465–8

Dichotomies in the reactivity to worm antigen in human schistosomiasis mansoni. Ellner JJ, et al. **J Immunol** 1981 Jan;126(1):309–12

Dynamics of antigen and mitogen-induced responses in murine schistosomiasis japonica: in vitro comparison between hepatic granulomas and splenic cells. Garb KS, et al. **J Immunol** 1981 Jul;127(1):115–20

Peroxidase-mediated toxicity to schistosomula of Schistosoma mansoni. Jong EC, et al. **J Immunol** 1981 Feb; 126(2):468–71

Studies of the antibody-dependent killing of schistosomula of Schistosoma mansoni employing haptenic target antigens. II. In vitro killing of TNP-schistosomula by human eosinophils and neutrophils. Moser G, et al. **J Immunol** 1981 Mar;126(3):1025–9

Analysis and antigenic activity of a carbohydrate fraction derived from adult Schistosoma mansoni. Nash TE, et al. **J Immunol** 1981 Feb;126(2):805–10

Amphotericin B-induced resistance to Schistosoma mansoni. Olds GR, et al. **J Immunol** 1981 May;126(5):1667–70

Antibody-dependent eosinophil-mediated damage to schistosomula of Schistosoma mansoni: lack of requirement for oxidative metabolism. Pincus SH, et al. **J Immunol** 1981 May;126(5):1794–9

Factors that modify the cellular-immune response in patients infected by Schistosoma mansoni. Rocklin RE, et al. **J Immunol** 1980 Nov;125(5):1916–23

Serial observations of circulating immune complexes in patients with acute schistosomiasis. Hiatt RA, et al. **J Infect Dis** 1980 Nov;142(5):665–70

Homologous immunotolerance and decreased resistance to Schistosoma mansoni in Echinostoma revolutum-infected mice. Christensen NO, et al. **J Parasitol** 1981 Apr; 67(2):164–6

Standardization of FIAXtm for schistosomiasis using crude cercarial and adult worm antigens. Slemenda SB, et al. **J Parasitol** 1980 Dec;66(6):893–7

In vitro study of immunological events in human and experimental schistosomiasis: relationships between cytotoxic antibodies and circulating Schistosoma antigens. Capron M, et al. **Parasite Immunol** 1980 Autumn; 2(3):223–35

A comparison between a new serological method, thin layer immunoassay (TIA), and the enzyme-linked immunosorbent assay (ELISA) for the detection of antibodies in schistosomiasis. Ismail M, et al. **Parasite Immunol** 1979 Autumn;1(3):251–8

Murine Schistosomiasis mansoni: anti-schistosomula antibodies and the IgG subclasses involved in the complement- and eosinophil-mediated killing of schistosomula in vitro. Ramalho-Pinto FJ, et al. **Parasite Immunol** 1979 Winter;1(4):295–308

Species specificity of the immediate hypersensitivity to schistosomal proteolytic enzyme. Senft AW, et al. **Parasite Immunol** 1979 Spring;1(1):79–89

Distribution of blood groups and secretor status in schistosomiasis. Trangle KL, et al. **Parasite Immunol** 1979 Summer;1(2):133–40

An analysis of allergy, immunoglobulin E, and diagnostic skin tests in schistosomiasis. Weltman JK, et al. **Parasite Immunol** 1981 Summer;3(2):157–63

In vitro proliferative response to living schistosomula by T lymphocytes from mice infected with Schistosoma mansoni. James SL. **Parasitology** 1981 Aug;83(Pt 1):147–62

Factors affecting the acquisition of resistance against Schistosoma mansoni in the mouse. The effect of varying the route and the number of primary infections, and the correlation between the size of the primary infection and the degree of resistance that is acquired. Long E, et al. **Parasitology** 1980 Oct;81(2):355–71

Immunology of parasitic infections. Ruitenberg EJ, et al. **Parassitologia** 1980 Dec;22(3):239–44 (8 ref.)

Preliminary studies with a Schistosoma mansoni saline extract inducing protection in rabbits against the challenge infection. Scarpin M, et al. **Rev Inst Med Trop Sao Paulo** 1980 Jul-Aug;22(4):164–72

Lymphocyte response in mice infected with the Indonesian and Formosan strains of Schistosoma japonicum to concanavalin A, and to worm and egg antigens. Chu MH, et al. **Southeast Asian J Trop Med Public Health** 1980 Sep; 11(3):313–8

Granulocyte cytotoxicity to multicellular organisms is mediated by peroxidative mechanisms. Kazura JW, et al. **Trans Assoc Am Physicians** 1980;93:336–40

Detection of Schistosoma mansoni M antigen in circulating immune-complexes and in kidneys of infected hamsters. Carlier Y, et al. **Trans R Soc Trop Med Hyg** 1980; 74(4):534–8

Identification and partial purification of an antigen (omega 1) from Schistosoma mansoni eggs which is putatively hepatotoxic in T-cell deprived mice. Dunne DW, et al. **Trans R Soc Trop Med Hyg** 1981;75(1):54–71

The pathological effects of immunosuppression of Schistosoma mansoni-infected mice, with particular reference to survival and hepatotoxicity after thymectomy and treatment with antithymocyte serum, and treatment with hydrocortisone acetate. Lucas S, et al. **Trans R Soc Trop Med Hyg** 1980;74(5):633–43

Serodiagnosis of human Schistosoma mansoni infections: enhanced sensitivity and specificity in ELISA using a fraction containing S. mansoni egg antigens omega 1 and alpha 1. McLaren ML, et al. **Trans R Soc Trop Med Hyg** 1981;75(1):72–9

The effect of a previous Schistosoma mansoni infection on schistosomulum recovery from the peritoneal cavity of laboratory mice [letter] Melo AL, et al. **Trans R Soc Trop Med Hyg** 1980;74(6):827

Immunization of baboons (Papio anubis) against Schistosoma haematobium with irradiated cercariae or schistosomula [letter] Sturrock RF, et al. **Trans R Soc Trop Med Hyg** 1980;74(6):834–5

Serobiological differentiation between antischistosomal (Schistosoma mansoni) antisera. Hamburger J, et al. **Tropenmed Parasitol** 1981 Mar;32(1):43–7

Schistosomiasis: recent developments in immunology and treatment. Martin DW Jr, et al. **West J Med** 1980 Jul; 133(1):49–56

Detection of antibodies against circulating cathodic antigen of Schistosoma mansoni using the enzyme-linked immunosorbent assay. Deelder AM, et al. **Z Parasitenkd** 1981;64(2):179–86

A comparison of the IFA and the ELISA for the demonstration of antibodies against schistosome gut-associated polysaccharide antigens in schistosomiasis. Deelder AM, et al. **Z Parasitenkd** 1980;64(1):65–75

[Health of school children on the Ivory Coast. Parasitology--serologic survey] Degrémont A, et al. **Acta Trop (Basel)** 1980 Dec;37(4 Suppl 11):56–62 **(Fre)**

[E antigen (HBeAG) and surface antigen (HGsAg) in bladder schistosomiasis] Nuti M, et al. **Parassitologia** 1978 Dec; 20(1–3):153–9 (Eng. Abstr.) **(Ita)**

[Attempted passive immunization of mice by anti-schistosome serotherapy] Rombert PC, et al. **An Inst Hig Med Trop (Lisb)** 1977–1978;5(1–4):429–31 (Eng. Abstr.) **(Por)**

[Polysaccharide antigen of Schistosoma mansoni] Andrade ZA, et al. **Mem Inst Oswaldo Cruz** 1980;75(1–2):47–56 (Eng. Abstr.) **(Por)**

[S. mansoni growth inhibiting antibodies in the sera from infected humans (author's transl)] Pérez H, et al. **Acta Cient Venez** 1978;29(5):397–9 (Eng. Abstr.) **(Spa)**

METABOLISM

Effect of oxamniquine therapy on kynurenine metabolism in

liver homogenates of normal and S. mansoni infected mice. El-Toukhy MA, et al. **Biochem Pharmacol** 1980 Sep 15; 29(18):2513–5

Biochemical effects of niridazole. II. In vitro and in vivo effects of niridazole on the rate of gluconeogenesis and the rate of oxidation of pyruvate and some Krebs cycle intermediates in Schistosoma mansoni infected mice. Sharaf AA, et al. **Egypt J Bilharz** 1978;5(1–2):59–69

[Clinical significance of hemolysates test of ascitic fluid in late stage of schistosomiasis and cirrhosis of liver (author's transl)] Huang MX. **Chung Hua Nei Ko Tsa Chih** 1980 May; 19(3):192–5 **(Chi)**

MORTALITY

Increased hepatotoxicity of bacterial lipopolysaccharide in mice infected with Schistosoma mansoni. Ferluga J, et al. **Parasite Immunol** 1979 Winter;1(4):289–94

OCCURRENCE

Schistosomiasis mansoni in an Egyptian village in the Nile Delta. Abdel-Wahab MF, et al. **Am J Trop Med Hyg** 1980 Sep;29(5):868–74

Morbidity in schistosomiasis japonica in relation to intensity of infection: study of a community in Leyte, Philippines. Domingo EO, et al. **Am J Trop Med Hyg** 1980 Sep; 29(5):858–67

A longitudinal study of Schistosoma haematobium infection in Qena governorate, Upper Egypt. 1. Initial epidemiological findings. Mansour NS, et al. **Am J Trop Med Hyg** 1981 Jul;30(4):795–805

A cross-sectional study on the prevalence and intensity of infection with Schistosoma haematobium students of Northern KwaZulu. Schutte CH, et al. **Am J Trop Med Hyg** 1981 Mar;30(2):364–72

A note on the prevalence of Schistosoma haematobium and S. mansoni in Kindu and Kasongo, Kivu area, Zaire. Gryseels B, et al. **Ann Soc Belg Med Trop** 1981 Sep; 60(3):313–6

Prevalence of Schistosoma haematobium in the Koryole and Merca Districts of the Somali Democratic Republic. Koura M, et al. **Ann Trop Med Parasitol** 1981 Feb;75(1):53–61

Schistosomiasis in Saudi Arabia. Magzoub M, et al. **Ann Trop Med Parasitol** 1980 Oct;74(5):511–3

Malumfashi Endemic Diseases Research Project, XV. The potential medical importance of bilharzia in northern Nigeria: a suggested rapid, cheap and effective solution for control of Schistosoma haematobium infection. Pugh RN, et al. **Ann Trop Med Parasitol** 1980 Dec;74(6):597–613

Malumfashi Endemic Diseases Research Project, XIV. Increasing schistosomiasis transmission. Pugh RN, et al. **Ann Trop Med Parasitol** 1980 Oct;74(5):569–70

Schistosomiasis in Africa. Lucas AO. **Arzneimittelforsch** 1981;31(3a):536–7

Screening for infection with Schistosoma mansoni in Puerto Rico: a limited serologic survey utilizing the circumoval precipitin test. Hillyer GV, et al. **Bol Asoc Med PR** 1981 Feb;73(2):50–5

The indirect fluorescent antibody test for seroepidemiological studies in schistosomiasis in East Africa. Terpstra WJ, et al. **Bull Soc Pathol Exot Filiales** 1980 Jan–Feb;73(1):74–85

Quantitative aspects of the epidemiology of Schistosoma japonicum infection in a rural community of Luzon, Philippines. WHO workshop. **Bull WHO** 1980;58(4):629–38

The schistosomiasis problem in the world: results of a WHO questionnaire survey. Iarotski LS, et al. **Bull WHO** 1981; 59(1):115–27

Advances in epidemiology survey methodology and techniques in schistosomiasis. Mott KE, et al. **Bull WHO** 1980;58(4):639–47

Schistosomiasis investigation in Somalia. **Chin Med J [Engl]** 1980 Sep;93(9):637–46

Prevalence of schistosomiasis among fishermen of Lake Maryut. Mohamed AM, et al. **Egypt J Bilharz** 1978; 5(1–2):85–90

The epidemiology of Schistosoma mansoni infection in Tensae Berhan: human water contact patterns. Kloos H, et al. **Ethiop Med J** 1980 Jul;18(3):91–8

Observations on the changes in prevalence of S. haematobium and S. mansoni infections in the Nile Delta Region, Egypt. Saif M, et al. **J Egypt Med Assoc** 1978;61(11–12):803–13

Prevalence of schistosoma haematobium in New Nuba. Khalil HM. **J Egypt Public Health Assoc** 1979;54(5–6):382–95

Schistosomiasis and colon cancer [letter] Cheever AW. **Lancet** 1981 Jun 20;1(8234):1369–70

Urinary schistosomiasis: its altering geographical pathology. Banik S, et al. **Practitioner** 1980 Sep;224(1347):940–1

The impact of the country development in the expansion of schistosomiasis. de Camargo S. **Rev Inst Med Trop Sao Paulo** 1980 Jan–Feb;22(1 Suppl 4):2–4, 117–9 **(Eng, Por)**

Impact of development on the spread of schistosomiasis in Egypt. Saif M, et al. **Rev Inst Med Trop Sao Paulo** 1980 Jan–Feb;22(1 Suppl 4):5–7, 120–2 **(Eng, Por)**

Intestinal parasites of man in Bukidnon, Philippines, with emphasis on schistosomiasis. Carney WP, et al. **Southeast Asian J Trop Med Public Health** 1981 Mar; 12(1):24–9

Intestinal parasites of man in Oriental Mindoro, Philippines, with emphasis on schistosomiasis. Carney WP, et al. **Southeast Asian J Trop Med Public Health** 1981 Mar; 12(1):12–8

Intestinal parasites of man in Northern Bohol, Philippines, with emphasis on schistosomiasis. Carney WP, et al. **Southeast Asian J Trop Med Public Health** 1980 Dec; 11(4):473–9

Migrant workers and schistosomiasis in the Gezira, Sudan. Bella H, et al. **Trans R Soc Trop Med Hyg** 1980;74(1):36–9

The Katayama syndrome; an outbreak in Dutch tourists to the Omo National Park, Ethiopia. Zuidema PJ. **Trop Geogr Med** 1981 Mar;33(1):30–5

[Epidemiological and serological assessment of bilharziasis of students at a school in southern Togo] Ricciardi ML, et al. **Dakar Med** 1980;25(3):200–3 (Eng. Abstr.) **(Fre)**

[Evaluation of the main intestinal parasitic diseases in 860 Ivory Coast children from 13 different villages. 2. Schistosoma mansoni (author's transl)] Nozais JP, et al. **Med Trop (Mars)** 1981 Mar–Apr;41(2):187–9 **(Fre)**

[Bilharziasis; a schistosomal infection] Fleischer K. **Fortschr Med** 1980 Jul 10;98(26–27):1015–22 **(Ger)**

[Incidence of bladder bilharziasis in students of the district of Luanda. I. Bom Jesus area] Grácio MA. **An Inst Hig Med Trop (Lisb)** 1977–1978;5(1–4):171–5 (Eng. Abstr.) **(Por)**

[Contribution to the knowledge and incidence of bladder bilharziasis in the district of Benguela. I. Region of Bocoio (Vila Sousa Lara)] Grácio MA. **An Inst Hig Med Trop (Lisb)** 1977–1978;5(1–4):281–4 (Eng. Abstr.) **(Por)**

[Contribution to the knowledge and incidence of bladder bilharziasis in the district of Benguela. II. Municipality of Vila Mariano Machado (Ganda)] Grácio MA. **An Inst Hig Med Trop (Lisb)** 1977–1978;5(1–4):285–8 (Eng. Abstr.) **(Por)**

[Contribution to the knowledge and incidence of bladder bilharziasis in the district of Beguela. III. Municipality of Cubal] Grácio MA. **An Inst Hig Med Trop (Lisb)** 1977–1978;5(1–4):289–92 (Eng. Abstr.) **(Por)**

[Reinfection of patients in endemic areas of schistosomiasis mansoni after specific treatment. IV—Observations in Belo Horizonte] de Lima e Costa MF, et al. **Rev Inst Med Trop Sao Paulo** 1980 May–Jun;22(3):97–107 (Eng. Abstr.) **(Por)**

[Schistosomiasis in workers of the Catende Sugar Mill, Pernambuco, Brazil] da Costa DP, et al. **Rev Saude Publica** 1980 Dec;14(4):469–74 (Eng. Abstr.) **(Por)**

PARASITOLOGY

Quantitative parasitologic findings in rabbits infected with Japanese and Philippine strains of Schistosoma japonicum. Cheever AW, et al. **Am J Trop Med Hyg** 1980 Nov; 29(6):1307–15

Schistosoma japonicum-like eggs in the appendix of an inhabitant of Java, Indonesia. A case report. Palmieri JR, et al. **Am J Trop Med Hyg** 1981 Jan;30(1):92–5

Eosinophils as effector cells in the destruction of Schistosoma mansoni eggs in granulomas. Hsü SY, et al. **Ann Trop Med Parasitol** 1980 Apr;74(2):179–83

A community study of Schistosoma mansoni egg excretion assessed by the Bell and a modified Kato technique. Jordan P, et al. **Ann Trop Med Parasitol** 1981 Feb;75(1):35–40

Infection intensity and specific antibody response in schistosomiasis. Terpstra WJ, et al. **Bull Soc Pathol Exot Filiales** 1980 Mar–Apr;73(2):164–71

Schistosoma mansoni and Schistosoma haematobium: difference in development. Burden CS, et al. **Exp Parasitol** 1981 Feb;51(1):28–34

Local development of Schistosoma mansoni worms in the lungs of mice. Awadalla HN, et al. **J Egypt Med Assoc** 1978;61(5–6):457–62

Characteristic features of the oogram pattern and portal mesenteric adult worm load in experimental Schistosoma mansoni infection in mice without treatment. Ghaleb HA, et al. **J Egypt Med Assoc** 1979;62(1–2):63–76

A simple device to immobilize mice for infection with Schistosoma mansoni cercariae. Tendler M, et al. **J Parasitol** 1981 Aug;67(4):583–4

Schistosoma mansoni: an examination of the reproductive status of females from single sex infections. Shaw JR, et al. **Parasitology** 1981 Feb;82(1):121–4

The importance of skin and pulmonary phases to the development of Schistosoma mansoni in albino mice. Rocha MO, et al. **Rev Inst Med Trop Sao Paulo** 1980 Jul–Aug; 22(4):157–63

[Nonspecific immunofluorescence on sections of Schistosoma mansoni. Role of anti-smooth muscle antibodies (letter)] Daniel Ribeiro C, et al. **Nouv Presse Med** 1981 Apr 18; 10(17):1420–1 **(Fre)**

PATHOLOGY

Ultrastructural analysis of the cellular response to Schistosoma mansoni: initial and challenge infections in the rat. Bentley AG, et al. **Am J Trop Med Hyg** 1981 Jan; 30(1):102–12

Extrahepatic pathology in rabbits infected with Japanese and Philippine strains of Schistosoma japonicum, and the relation of intestinal lesions to passage of eggs in the feces. Cheever AW, et al. **Am J Trop Med Hyg** 1980 Nov; 29(6):1316–26

Hepatic fibrosis in rabbits infected with Japanese and Philippine strains of Schistosoma japonicum. Cheever AW, et al. **Am J Trop Med Hyg** 1980 Nov;29(6):1327–39

Pulmonary schistosomiasis. Hill IR, et al. **Aviat Space Environ Med** 1980 Sep;51(9 Pt 2):1069–70

Collagen fibers in enlarged basement membranes in human schistosomal liver and spleen. Borojevic R, et al. **Cell Mol Biol** 1980;26(2):247–50

Intercellular formation of collagen in human liver. Grimaud JA, et al. **Cell Mol Biol** 1980;26(5):555–62

The implantation of sepharose beads in mouse livers as an aid in the study of hepatic schistosomal fibrosis. van Marck EA, et al. **Experientia** 1980 Sep 15;36(9):1116–8

Effect of SQ 14225, an inhibitor of angiotensin I-converting enzyme, on the granulomatous response to Schistosoma mansoni eggs in mice. Weinstock JV, et al. **J Clin Invest** 1981 Apr;67(4):931–6

Persistent cystourethritis in relation to different forms of schistosomiasis of the posterior urethra. Atalla A. **J Egypt Med Assoc** 1978;61(7–8):561–7

Histopathological and histochemical studies in experimental prepatent schistosomiasis mansoni. Farag HF, et al. **J Egypt Med Assoc** 1978;61(3–4):285–98

Ectopic bilharziasis. Fatt-hi A, et al. **J Laryngol Otol** 1980 Oct;94(10):1179–87

Colorectal cancer and schistosomiasis. Chen MC, et al. **Lancet** 1981 May 2;1(8227):971–3

Schistosoma intercalatum infection in Syrian hamsters. An experimental and histopathological study. Elias EA, et al. **Trop Geogr Med** 1980 Dec;32(4):286–97

Astrocytes of the cerebral cortex in hepatosplenic schistosomiasis mansoni and in liver cirrhosis. A morphological, quantitative and karyometric study. Pittella JE. **Virchows Arch [Pathol Anat]** 1981;390(2):229–41

[Schistosomiasis in Denmark – patho-anatomical diagnosis] Hansen KB, et al. **Ugeskr Laeger** 1981 13 Apr; 143(16):1019–20 (Eng. Abstr.) **(Dan)**

[Cutaneous lesions of bilharziosis. Report of fourteen cases (author's transl)] Colin M, et al. **Ann Dermatol Venereol** 1980 Aug–Sep;107(8–9):759–67 (Eng. Abstr.) **(Fre)**

[Evolution of hepatic periovular granulomas in different types of repeated infections with S. mansoni in mice (author's transl)] Abouzkham AA, et al. **Ann Parasitol Hum Comp** 1980 Mar–Apr;55(2):199–207 (Eng. Abstr.) **(Fre)**

[Liver histopathology and granuloma ultrastructure in experimental Schistosoma mansoni infection in the albino rat] Joky A, et al. **Ann Soc Belg Med Trop** 1980; 60(4):355–68 (Eng. Abstr.) **(Fre)**

[Dermatitis cercarialis in a fisherman (author's transl)] Farkaš J. **Dermatol Monatsschr** 1980 Nov;166(11):747–50 **(Ger)**

[Schistosomiasis of the testis] Buzzoni HD, et al. **Rev Paul Med** 1980 Sep–Oct;96(3–4):79–80 (Eng. Abstr.) **(Por)**

PHYSIOPATHOLOGY

Effect of histamine and histamine antagonists on portal blood pressure in patients with hepatosplenic schistosomiasis. El-Gendi MA, et al. **Br J Clin Pharmacol** 1980 Aug; 10(2):157–61

Effects of host endocrine gland removal on the permissive status of laboratory rodents to infection by Schistosoma mansoni. Knopf PM, et al. **Int J Parasitol** 1980 Jun; 10(3):197–204

PREVENTION & CONTROL

Schistosomiasis transmission with particular reference to possible ecological and biological methods of control. A review. Jordan P, et al. **Acta Trop (Basel)** 1980 Jun; 37(2):95–135 (220 ref.)

Biological control of the snail intermediate hosts of human Schistosoma spp.: a review of its present status and future prospects. McCullough FS. **Acta Trop (Basel)** 1981 Mar; 38(1):5–13

A long-term schistosomiasis control project with molluscicide in a rural area of Brazil. Barbosa FS, et al. **Ann Trop Med Parasitol** 1981 Feb;75(1):41–52

Principles of schistosomiasis control in relation to community health care. Davis A. **Arzneimittelforsch** 1981;31(3a):616–8

Targeted treatment for schistosomiasis [letter] Jordan P. **Lancet** 1981 Mar 28;1(8222):718

Failure of targeted mass treatment to control schistosomiasis. Polderman AM, et al. **Lancet** 1981 Jan 3;1(8210):27–8

Vaccination trials against S. mansoni and T. cruzi in experimental animals. Schwick HG, et al. **Prog Clin Biol Res** 1980;47:229–40

Vaccination against schistosomiasis. Smithers SR. **Prog Clin Biol Res** 1980;47:287–99 (30 ref.)

The role of chemotherapy in the special program for control of schistosomiasis. de Camargo S. **Rev Inst Med Trop Sao Paulo** 1980 Jan–Feb;22(1 Suppl 4):98–104, 217–24 **(Eng, Por)**

Schistosomiasis control in Peri-Peri (Minas Gerais, Brazil) by repeated clinical treatment and molluscicide application. Katz N, et al. **Rev Inst Med Trop Sao Paulo** 1980 Jan–Feb; 22(1 Suppl 4):85–93, 203–11 **(Eng, Por)**

Chemoprophylactic properties of oxamniquine embonate in experimental schistosomiasis. Korolkovas A, et al. **Rev Inst Med Trop Sao Paulo** 1980 May–Jun;22(3):144–8

Geographical factors influencing the population numbers and distribution of Oncomelania nosophora and the subsequent effect on the control of schistosomiasis japonica in Japan. Nihei N, et al. **Soc Sci Med [Med Geogr]** 1981 Feb; 15D(1):149–57

A schistosomiasis pilot control project in Lindu valley, Central Sulawesi, Indonesia. Putrali J, et al. **Southeast Asian J Trop Med Public Health** 1980 Dec; 11(4):480–6

Schistosoma mansoni control in Cul de Sac Valley, Saint Lucia. I. A two-year focal surveillance–molluscicide programme for the control of Biomphalaria glabrata. Barnish G, et al. **Trans R Soc Trop Med Hyg** 1980; 74(4):488–92

Schistosoma mansoni control in Cul de Sac Valley, Saint Lucia. II. Chemotherapy as a supplement to a focal molluscicide programme. Jordan P, et al. **Trans R Soc Trop Med Hyg** 1980;74(4):493–500

Seasonal patterns in the transmission of Schistosoma haematobium in Rhodesia, and its control by winter application of molluscicide. Shiff CJ, et al. **Trans R Soc Trop Med Hyg** 1979;73(4):375–80

Prospects for the development of a vaccine for the control of human schistosomiasis. Taylor MG. **Trans R Soc Trop Med Hyg** 1980;74(5):563–4

[Studies on prevention against cercaria irrigating the fields by epidemic water (author's transl)] Chao SJ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1979;13(1):38–40 **(Chi)**

[The influence of synthetic oestrogens on experimental Schistosoma mansoni parasitosis in hamster: studies of the effects of hexestrol and chlorotrianisene (author's transl)] Barrabes A, et al. **Ann Pharm Fr** 1981 Jun;39(2):141–6 (Eng. Abstr.) **(Fre)**

[Chemoprophylactic study of schistosomiasis. IV: Inhibition of the penetration of cercariae by coumarin derivatives] Lopes JL, et al. **Rev Bras Biol** 1980 May;40(2):283–5 (Eng. Abstr.) **(Por)**

[The great endemic diseases of Brazilian children] de Castro Filho J, et al. **Rev Bras Malariol Doencas Trop** 1979; 31:173–83 **(Por)**

[Analysis of posters on schistosomiasis made by school children] Lefèvre F. **Rev Saude Publica** 1980 Sep; 14(3):396–403 (Eng. Abstr.) **(Por)**

[Evaluation of the epidemiological and economic effectiveness of molluscacidic measures in schistosomiasis foci (review of the literature)] Beér SA. **Med Parazitol (Mosk)** 1980 Jul–Aug;49(4):56–61 (67 ref.) (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

The effects of schistosomiasis on spontaneous play activity in black schoolchildren in the endemic areas. An ethological study. Kvalsvig JD. **S Afr Med J** 1981 Jul 11; 60(2):61–4

RADIOGRAPHY

[Descending urogram in the evaluation of the complications of urinary schistosomiasis] Montalvo Alvarez G, et al. **Rev Cubana Med Trop** 1980 May–Aug;32(2):93–100 (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

Radionuclide studies of chronic schistosomal uropathy. Lamki LM, et al. **Radiology** 1981 Aug;140(2):471–4

SURGERY

Ileal loop replacement and restoration of kidney function in extensive bilharziasis of the ureter. Abdel-Halim RE. **Br J Urol** 1980 Aug;52(4):280–4

Tacrine–suxamethonium apnea in patients with hepatosplenic schistosomiasis. El-Hawary KA, et al. **Middle East J Anaesthesiol** 1980 Oct;5(8):523–7

[Surgical treatment of urinary bilharziasis (author's transl)] Zhou ZY. **Chung Hua Wai Ko Tsa Chih** 1981 Apr; 19(4):224–7 (Eng. Abstr.) **(Chi)**

[Intra-uterine pregnancy after microsurgical salpingostomy for bilharziasis of the tubal ampulla (letter)] Cornier E, et al. **Nouv Presse Med** 1981 Jul 11–25;10(30):2514–5 **(Fre)**

THERAPY

Targeted treatment for schistosomiasis [letter] Polderman AM, et al. **Lancet** 1981 Jun 13;1(8233):1315

TRANSMISSION

The Boqueron Project after 5 years: a prospective community-based study of infection with Schistosoma mansoni in Puerto Rico. Hiatt RA, et al. **Am J Trop Med Hyg** 1980 Nov;29(6):1228–40

Studies on the transmission of Schistosoma haematobium and the bionomics of Bulinus (Ph.) abyssinicus in the Somali Democratic Republic. Upatham ES, et al. **Ann Trop Med Parasitol** 1981 Feb;75(1):63–9

Schistosomiasis and its intermediate hosts in the Lesser Antillean islands of the Caribbean. Prentice MA. **Bull Pan Am Health Organ** 1980;14(3):258–68

Human excretion behaviour in a schistosomiasis endemic area of the Geizira, Sudan. Cheesmond AK, et al. **J Trop Med Hyg** 1981 Jun;84(3):101–7

A model of schistosomiasis incorporating the searching capacity of the miracidium. Coutinho FA, et al. **Parasitology** 1981 Feb;82(1):111–20

Susceptibility of new Taiwan foci of Oncomelania hupensis to geographic strains of Schistosoma japonicum. Cross JH, et al. **Southeast Asian J Trop Med Public Health** 1980 Sep; 11(3):374–7

Migrant workers and schistosomiasis in the Gezira, Sudan [letter] Cheesmond A. **Trans R Soc Trop Med Hyg** 1980; 74(5):691–2

Discovery of a site of transmission and hosts of a Schistosoma japonicum–like schistosome in Peninsular Malaysia [letter] Greer GJ, et al. **Trans R Soc Trop Med Hyg** 1980;74(3):425

[Evaluation of the drift of cercariae by a single daily sampling in the site of schistosomiasis transmission. Example of Guadeloupean sites of Schistosoma mansoni transmission (author's transl)] Theron A. **Rev Epidemiol Sante Publique** 1980 Apr 30;28(1):131–9 (Eng. Abstr.) **(Fre)**

[Mollusc vectors of schistosomiasis in Sardinia and in the Mediterranean area: taxonomy and epidemiology] Biocca E. **Parassitologia** 1980 Dec;22(3):247–55 (Eng. Abstr.) **(Ita)**

[Experimental effects of nutrition and population density on the development of Planorbarius metidensis (fresh water gastropod, a transmitter of bilharziasis)] Simões M, et al. **An Inst Hig Med Trop (Lisb)** 1977–1978;5(1–4):177–85 (Eng. Abstr.) **(Por)**

VETERINARY

Bladder calcification and obstructive uropathy in a gibbon infected with Schistosoma haematobium. Cheever AW, et al. **Am J Trop Med Hyg** 1981 May;30(3):604–8

Schistosomiasis mansoni in baboons. V. Antibodies and immediate hypersensitivity in multiply infected Papio cynocephalus. Damian RT, et al. **Am J Trop Med Hyg** 1981 Jul;30(4):836–43

Schistosomiasis mansoni in baboons. IV. The development of antibodies to Schistosoma mansoni adult worm, egg, and cercarial antigens during acute and chronic infections. Suzuki T, et al. **Am J Trop Med Hyg** 1981 Jul;30(4):825–35

Malumfashi Endemic Diseases Research Project XII. Schistosoma bovis and Fasciola gigantica in Livestock. Pugh RN, et al. **Ann Trop Med Parasitol** 1980 Aug; 74(4):447–53

Schistosomiosis in a scaled quail. Craig TM, et al. **J Am Vet Med Assoc** 1980 Nov 1;177(9):915–6

Miracidia hatching technique for diagnosis of canine schistosomiasis. Goff WL, et al. **J Am Vet Med Assoc** 1980 Oct 15;177(8):699–700

Annual fluctuation of Schistosoma japonicum infection in field rats, Rattus rattus mindanensis, in Dagami, Leyte, Philippines. Kamiya H, et al. **Jpn J Exp Med** 1980 Oct; 50(5):375–82

Preliminary application of a formalin fixed tissue section to the indirect fluorescent antibody test and intraoval precipitin reaction for the diagnosis of Schistosomiasis japonica. Kamiya H, et al. **Jpn J Vet Res** 1980 Oct; 28(4):155–60

The pathogenesis of Schistosoma mattheei in the sheep. Lawrence JA. **Res Vet Sci** 1980 Jul;29(1):1–7

The pathogenesis of Schistosoma bovis infection in Sudanese cattle. Dargie JD. **Trans R Soc Trop Med Hyg** 1980; 74(5):560–2

Morphological aspects of Schistosoma mansoni in naturally infected Holochilus brasiliensis leucogaster [letter] Dias LC, et al. **Trans R Soc Trop Med Hyg** 1980;74(5):690

Prospects for the control of Schistosoma bovis infection in Sudanese cattle. Hussein MF. **Trans R Soc Trop Med Hyg** 1980;74(5):559–60

SCHISTOSOMICIDES

Screening of three synthetic organic trivalent antimonials for potential antischistosomal activity in mice. Ghaleb HA, et al. **J Egypt Med Assoc** 1979;62(1–2):1–29

Acute toxicity studies of some new organic trivalent antimonials. Ghaleb HA, et al. **J Egypt Med Assoc** 1979; 62(1–2):45–62

Effects of acetylcholine mustard analogs on schistosome and vertebrate neuromuscular preparations. Willcockson WS, et al. **J Pharmacol Exp Ther** 1981 Aug;218(2):330–6

ADMINISTRATION & DOSAGE

[Studies on fuvinazole–dipterex combination in treatment for schistosomiasis in 318 cases (author's transl)] Chen MG. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1980 Sep; 2(3):204–5 (Eng. Abstr.) **(Chi)**

[Oltipraz in one–day treatment of Schistosoma haematobium bilharziasis (pharmacokinetic data, therapeutic effects)] Piéron R, et al. **Rev Med Interne** 1981;2(2):231–7 (Eng. Abstr.) **(Fre)**

ADVERSE EFFECTS

[Clinical analysis of 21 cases of jaundice caused by nithiocyaminum (amoscanate, C9333 GO/CGP4540) (author's transl)] **Chung Hua Nei Ko Tsa Chih** 1980; 19(2):132–4 **(Chi)**

[Heart rhythm disturbance in rabbits induced by pyquiton and the drugs for its treatment and prevention (author's transl)] Shao BR, et al. **Yao Hsueh Hsueh Pao** 1981 Jun; 16(6):407–10 **(Chi)**

ANTAGONISTS & INHIBITORS

Investigation in man of the efficacy of a benzodiazepine antagonist, Ro 15–1788. Darragh A, et al. **Lancet** 1981 Jul 4;2(8236):8–10

BLOOD

[Radioimmunoassay for an antischistosomal drug, 4–nitro–4'–isothiocyano–diphenylamine (7505) (author's transl)] Wang ZT, et al. **Yao Hsueh Hsueh Pao** 1980; 15(8):463–9 (Eng. Abstr.) **(Chi)**

CHEMICAL SYNTHESIS

Synthesis and antischistosomal activity of certain pyrazolo[1,5–a]pyrimidines. Senga K, et al. **J Med Chem** 1981 May;24(5):610–3

[Recent advances in the pharmaceutical chemistry of schistosomicidal agents (author's transl)] Huang LS. **Yao Hsueh Hsueh Pao** 1979 Nov;14(11):688–704 **(Chi)**

[Synthesis of a new schistosomicide S72014 and its homologs (author's transl)] Huang LS, et al. **Yao Hsueh Hsueh Pao** 1980 Jun;15(6):346–50 (Eng. Abstr.) **(Chi)**

[Synthesis of 4–pyridine–acrylic acid derivatives (author's transl)] Zhuang YC, et al. **Yao Hsueh Hsueh Pao** 1981 Jan; 16(1):76–80 (Eng. Abstr.) **(Chi)**

METABOLISM

Characteristics of antischistosomal benzodiazepine binding sites in Schistosoma mansoni. Bennett JL. **J Parasitol** 1980 Oct;66(5):742–7

[On the metabolism of a new antichistosome agent nithiocyamine] Liu CX, et al. **Yao Hsueh Hsueh Pao** 1980 Jun;15(6):327–34 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

In vitro effects of some antimonial and non–antimonial schistosomicidal drugs on liver beta–glucuronidase enzyme activity. El–Sewedy SM, et al. **Biochem Pharmacol** 1980 Nov 1;29(21):2925–7

Prevention of the mutagenic activation of an antischistosomal isothiocyanate in primates by an antibiotic. Batzinger RP, et al. **Environ Mutagen** 1979;1(4):353–60

Schistosoma mansoni: drug induced changes in the cell population of the vitelline gland. Erasmus DA, et al. **Exp Parasitol** 1980 Oct;50(2):171–87

Schistosoma mansoni: tegumental surface alterations induced by subcurative doses of the schistosomicide amoscanate. Voge M, et al. **Exp Parasitol** 1980 Oct;50(2):251–9

Some studies on the effects of ambilhar on mobilisation and excretion of lead. Al–Khayat TM, et al. **J Clin Chem Clin Biochem** 1981 Jan;19(1):21–3

The effects of schistosomicidal drugs on host tissues in experimental prepatent schistosomiasis mansoni. Histopathological and histochemical studies on liver and spleen. Hammouda NA, et al. **J Egypt Med Assoc** 1978; 61(5–6):411–25

Properties and drug sensitivity of adenosine triphosphatases from Schistosoma mansoni. Nechay BR, et al. **J Parasitol** 1980 Aug;66(4):596–600

[Drug therapy of mansoni schistosomiasis] Zeitune JM, et al. **Arq Gastroenterol** 1980 Apr–Jun;17(2):88–95 (Eng. Abstr.) **(Por)**

THERAPEUTIC USE

Assessment of 35972 RP (oltipraz) a new antischistosomal drug against Schistosoma haematobium, Schistosoma mansoni, and Schistosoma intercalatum. Gentilini M, et al. **Acta Trop (Basel)** 1980 Sep;37(3):271–4

Use of metrifonate for selective population chemotherapy against urinary schistosomiasis in an endemic area at Mwanza, Tanzania. Rugemalila JB, et al. **East Afr Med J** 1981 Jan;58(1):37–43

Failure of targeted mass treatment to control schistosomiasis. Polderman AM, et al. **Lancet** 1981 Jan 3;1(8210):27–8

Goals of applied chemotherapeutic research in schistosomiasis. Davis A. **Rev Inst Med Trop Sao Paulo** 1980 Jan–Feb;22(1 Suppl 4):73–6, 190–4 **(Eng, Por)**

Current results in the clinical therapy of schistosomiasis mansoni. Katz N. **Rev Inst Med Trop Sao Paulo** 1980 Jan–Feb;22(1 Suppl 4):8–17, 123–33 (112 ref.) **(Eng, Por)**

Preliminary report on long term cure of schistosomiasis using metrifonate (Bilarcil/Dipterex)—a new antischistosomal drug. Onadeko MO. **West Afr J Pharmacol Drug Res** 1979; 5(1):19–24

Schistosomiasis: recent developments in immunology and treatment. Martin DW Jr, et al. **West J Med** 1980 Jul; 133(1):49–56

[Treatment of schistosomiasis with furan–propylamine and dipterex—its reaction, effectiveness and evaluation (author's transl)] Xu RK. **Chung Hua Nei Ko Tsa Chih** 1980; 19(1):63–4 **(Chi)**

[An experimental study on the effect of nithiocyamine against Schistosoma japonicum (author's transl)] Huang WT, et al. **Yao Hsueh Hsueh Pao** 1980 Jun;15(6):341–5 (Eng. Abstr.) **(Chi)**

[Efficacy and toxicity of an indane compound, S75029 in experimental therapy of Schistosomiasis japonica (author's transl)] Xiao SH, et al. **Yao Hsueh Hsueh Pao** 1980 Jul; 15(7):437–40 (Eng. Abstr.) **(Chi)**

[Studies on the effectiveness and toxicity of a niridazole derivative S 72014 in experimental chemotherapy of schistosomiasis japonica (author's transl)] Xiao SH, et al. **Yao Hsueh Hsueh Pao** 1980;15(8):456–62 (Eng. Abstr.) **(Chi)**

[Initial therapeutic trials of an antibilharzial agent, 35 972 R.P. in man] Gentilini M, et al.
Bull Soc Pathol Exot Filiales 1979 Sep–Dec;72(5–6):466–71 (Eng. Abstr.) **(Fre)**

[Experiences with large scale chemotherapy in the control of schistosomiasis in Brazil] Katz N.
Rev Inst Med Trop Sao Paulo 1980 Jan–Feb;22(1):40–51 (Eng. Abstr.) **(Por)**

TOXICITY

Toxicological profile of praziquantel, a new drug against cestode and schistosome infections, as compared to some other schistosomicides. Frohberg H, et al.
Arzneimittelforsch 1981;31(3a):555–65

SCHIZOAFFECTIVE DISORDER see **PSYCHOTIC DISORDERS**

SCHIZOID PERSONALITY DISORDER

PSYCHOLOGY

Some reflections on analytic listening and the dream screen. Gammill J. **Int J Psychoanal** 1980;61(3):375–81

SCHIZOMYCETES see under **BACTERIA**

SCHIZOPHRENIA

Animal models of schizophrenia. McKinney WT, et al.
Am J Psychiatry 1981 Apr;138(4):478–83

Acute and chronic LSD effects on rat startle: data supporting an LSD--rat model of schizophrenia. Braff DL, et al.
Biol Psychiatry 1980 Dec;15(6):909–16

Congruence of personality assessments within families with a schizophrenic son. Schwoon DR, et al.
Br J Med Psychol 1980 Sep;53(3):255–65

The disabilities of chronic schizophrenia [letter] Johnstone EC, et al. **Br J Psychiatry** 1980 Nov;137:495–6

Lung cancer and schizophrenia [letter] Parfitt DN.
Br J Psychiatry 1981 1 Feb;138:179–80

Social environment and relapse in schizophrenia [editorial]
Br Med J 1980 Jul 19;281(6234):173–4

Madness, responsibility and the law [editorial] **Nature** 1981 Jun 4;291(5814):367–8

A framework for the analysis of theoretical and therapeutic approaches to schizophrenia. Adler DA, et al.
Psychiatry 1981 Feb;44(1):1–12

Planning for a schizophrenia research program: a prototype. Grinker RR Sr. **Schizophr Bull** 1981;7(1):181–95

[The course and outcome of chronic schizophrenia (author's transl)] Yuan GQ.
Chung Hua Shen Ching Ching Shen Ko Tsa Chih 1980 Feb; 13(2):105–6 **(Chi)**

[Schizophrenia research today (author's transl)] Kringlen E.
Nervenarzt 1981 Feb;52(2):68–73 **(Ger)**

[Computerized tomography on chronic schizophrenic patients. A control study (author's transl)] Mundt C, et al. **Nervenarzt** 1980;51(12):743–8 **(Ger)**

[Subject and form in the paintings and drawings by schizophrenic patients] Tyszkiewicz M. **Psychiatr Pol** 1980 Nov–Dec;14(6):595–603 (Eng. Abstr.) **(Pol)**

[Analysis of reproduction by schizophrenics and chronic alcoholics] Kanep VV, et al. **Zh Nevropatol Psikhiatr** 1981; (5):734–7 (Eng. Abstr.) **(Rus)**

BLOOD

Basal rubidium blood levels in psychiatric patients and normal controls. Zizolfi S, et al. **Acta Neurol (Napoli)** 1980 Aug;35(4):300–4

Lymphocyte subpopulations in peripheral blood from schizophrenic patients. Nyland H, et al.
Acta Psychiatr Scand 1980 Apr;61(4):313–8

Abnormal growth hormone response to LRH and TRH in adolescent schizophrenic boys. Gil–Ad I, et al.
Am J Psychiatry 1981 Mar;138(3):357–60

Increased whole blood serotonin concentrations in chronic schizophrenic patients. DeLisi LE, et al.
Arch Gen Psychiatry 1981 Jun;38(6):647–50

Prostaglandins, platelets, and schizophrenia. Rotrosen J, et al. **Arch Gen Psychiatry** 1980 Sep;37(9):1047–54

Plasma free and conjugated MHPG in psychiatric patients. A pilot study. Sweeney DR, et al. **Arch Gen Psychiatry** 1980 Oct;37(10):1100–3

Calmodulin and cyclic nucleotide phosphodiesterase activities in erythrocytes from normal and schizophrenic subjects. Schreiber WE, et al.
Biochem Biophys Res Commun 1981 Jun 16;100(3):1415–21

Low platelet MAO activity in psychiatric patients and plasma factors: no evidence for inhibitory influences on MAO in the circulating platelet population. Demisch L, et al.
Biol Psychiatry 1981 Jan;16(1):21–33

The reliability of 5-hydroxytryptamine induced platelet aggregation responses in schizophrenic patients treated with neuroleptic drugs. Knox JM, et al.
Br J Clin Pharmacol 1981 Mar;11(3):261–3

The effects of neuroleptic drugs on 5-hydroxytryptamine induced platelet aggregation in schizophrenic patients. Orr MW, et al. **Br J Clin Pharmacol** 1981 Mar;11(3):255–9

Total and free serum haloperidol levels in schizophrenic patients and the effect of age thioridazine and fatty acid on haloperidol–serum protein binding in vitro. Rowell FJ, et al. **Br J Clin Pharmacol** 1981 Apr;11(4):377–82

Clinical state, plasma levels of haloperidol and prolactin: a correlation study in chronic schizophrenia. Rao VA, et al. **Br J Psychiatry** 1980 Dec;137:518–21

Blood levels of flupenthixol in patients with acute and chronic schizophrenia. Johnstone EC, et al.
Ciba Found Symp 1979;(74):99–114

Protein electrophoresis in schizophrenias. Gawad MS, et al.
Egypt J Psychiatry 1979 Apr;2(1):52–62

Gas--liquid chromatographic determination of pipotiazine in plasma of psychiatric patients. Cooper SF, et al.
J Chromatogr 1981 Feb 13;222(2):291–6

Discrimination between schizophrenic and control subjects by means of plasma dehydroepiandrosterone measurements. Erb JL, et al. **J Clin Endocrinol Metab** 1981 Feb;52(2):181–6

Failure of dopaminergic blockade to affect prolactin, growth hormone, and cortisol responses to insulin-induced hypoglycemia in schizophrenics. Nathan RS, et al.
J Clin Endocrinol Metab 1981 Apr;52(4):807–9

A comparison of dopamine receptor blocking assay with plasma drug levels of haloperidol in schizophrenic patients. Kurland AA, et al. **J Clin Pharmacol** 1981 Jan;21(1):42–7

Serum vitamin B12 status in chronic schizophrenic patients [letter] Majumdar SK, et al. **J Hum Nutr** 1981 Feb;35(1):3

Neuroleptic serum levels measured by radioreceptor assay and clinical response in schizophrenic patients. Tune LE, et al. **J Nerv Ment Dis** 1981 Jan;169(1):60–3

A difference in the in vivo cerebral production of [1–14C] lactate from D–[3–14C] glucose in chronic mental patients. Sacks W, et al. **J Neurosci Res** 1981;6(2):225–36

Prolactin response to beta-endorphin in man. Schulz SC, et al. **Life Sci** 1980 Nov 10;27(19):1735–41

Blood levels of S-adenosylmethionine in unmedicated schizophrenic and depressive patients. Maj M, et al.
Neuropsychobiology 1981;7(4):188–91

Basal and stimulated levels of prolactin, TSH and LH in serum of chronic schizophrenic patients, long-term treated with neuroleptics. Naber D, et al.
Pharmakopsychiatr Neuropsychopharmakol 1980 Nov; 13(6):325–30

A comparative uptake study of serotonin, dopamine, and norepinephrine by platelets of acute schizophrenic patients. Rotman A, et al. **Psychiatry Res** 1980 Dec;3(3):239–46

Effect of a drug holiday on plasma chlorpromazine levels in chronic schizophrenic patients. Hershey LA, et al.
Psychopharmacology (Berlin) 1981;73(4):355–8

Neuroendocrine tests during treatment with neuroleptic drugs: I. Plasma prolactin response to chlorpromazine challenge. Kolakowska T, et al.
Psychopharmacology (Berlin) 1981;72(3):283–5

Plasma fluphenazine and prolactin levels in schizophrenic patients during treatment with low and high doses of fluphenazine enanthate. Wiles D, et al.
Psychopharmacology (Berlin) 1980;71(2):131–6

[Effect of different doses of phytomitogens on blood lymphocyte proliferation in schizophrenia] Pivovarova AI, et al. **Biull Eksp Biol Med** 1980 Nov;90(11):552–4 (Eng. Abstr.) **(Rus)**

[Analysis of subpopulations of peripheral blood T-lymphocytes of schizophrenic patients] Kovaleva ES, et al. **Zh Nevropatol Psikhiatr** 1981;(5):694–7 (Eng. Abstr.) **(Rus)**

CEREBROSPINAL FLUID

CSF GABA in normal subjects and patients with depression, schizophrenia, mania, and anorexia nervosa. Gerner RH, et al. **Am J Psychiatry** 1981 Aug;138(8):1098–101

Cerebrospinal fluid cortisol levels in depression and schizophrenia. Jimerson DC, et al. **Am J Psychiatry** 1980 Aug;137(8):979–80

The effect of pimozide on CSF norepinephrine in schizophrenia. Sternberg DE, et al. **Am J Psychiatry** 1981 Aug;138(8):1045–50

Cyclic nucleotides in schizophrenia. Rimon R.
Ann Clin Res 1981 Apr;13(2):63–4

Middle molecular weight substances and tryptophan in cerebrospinal fluid of schizophrenic patients. Sperschneider H, et al. **Artif Organs** 1981 May;5(2):177–8

Noradrenergic overactivity in chronic schizophrenia: evidence based on cerebrospinal fluid noradrenaline and cyclic nucleotide concentrations. Gomes UC, et al.
Br J Psychiatry 1980 Oct;137:346–51

Protein binding of chlorpromazine in cerebrospinal fluid and serum. Alfredsson G, et al. **Int Pharmacopsychiatry** 1980; 15(5):261–9

Levels of HIAA and VMA in C.S.F. of schizophrenics before and after treatment. Okasha A, et al.
J Egypt Med Assoc 1978;61(Suppl 1–2):38–50

gamma-Aminobutyric acid concentration in cerebrospinal fluid in schizophrenia. McCarthy BW, et al.
J Neurochem 1981 Apr;36(4):1406–8

Raised cytomegalovirus-antibody level in cerebrospinal fluid of schizophrenic patients. Albrecht P, et al. **Lancet** 1980 Oct 11;2(8198):769–72

Hormonal influence on viruses in psychiatric illness [letter] Swartz C. **Lancet** 1980 Nov 8;2(8202):1035

Prolactin levels in cerebrospinal fluid of patients with chronic schizophrenia. Rimón R, et al. **Neuropsychobiology** 1981; 7(2):87–93

Low cerebrospinal fluid glutamate in schizophrenic patients and a new hypothesis on schizophrenia. Kim JS, et al.
Neurosci Lett 1980 Dec;20(3):379–82

Elevated cerebrospinal fuid norepinephrine in schizophrenics: confounding effects of treatment drugs. Lipsky JJ.
Science 1980 Oct 3;210(4465):97

[Beta-endorphin concentration in the cerebrospinal fluid of schizophrenics] Ignatov SA, et al.
Zh Nevropatol Psikhiatr 1980;80(9):1331–7 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

LSD and onset of schizophrenia. Roy A.
Can J Psychiatry 1981 Feb;26(1):64–5

[Drug induced psychosis and schizophrenia in youth] Bron B. **Schweiz Arch Neurol Neurochir Psychiatr** 1980; 126(1):179–97 (Eng. Abstr.) **(Ger)**

[Mental disorders among patients of the acute poisoning department] Jezierska A. **Pol Tyg Lek** 1980 Jul 21; 35(29):1095–7 (Eng. Abstr.) **(Pol)**

CLASSIFICATION

Schizophrenia: the problem of definition. Guirguis WR.
Br J Hosp Med 1981 Mar;25(3):236, 239–41, 243 passim

Should 'non-Feighner schizophrenia' be classified with affective disorder? Coryell W, et al. **J Affective Disord** 1979 Mar;1(1):3–8

The problem of typifying schizophrenia guided by the Egyptian Diagnostic Manual DMP -- I. Rakhawy YT, et al. **J Egypt Med Assoc** 1978;61(Suppl 1–2):24–37

The schizophrenia syndrome. Examples of biological tools for subclassification. Wyatt RJ, et al. **J Nerv Ment Dis** 1981 Feb;169(2):100–12 (86 ref.)

A schizophrenic subgroup: type A5. Kadobayashi I, et al.
Psychol Med 1980 Aug;10(3):507–11

[Non-schizophrenic destructuration: nosologic consequences] Marchais P. **Ann Med Psychol (Paris)** 1980 Mar;138(3):310–7 **(Fre)**

COMPLICATIONS

Depressions in schizophrenia: some observations on prevalence, etiology, and treatment. Johnson DA.
Acta Psychiatr Scand [Suppl] 1981;63(291):137–44

Problem drinking in hospitalized schizophrenic patients. Alterman AI, et al. **Addict Behav** 1980;5(3):273–6

Migraine and schizophrenia [letter] Mehta D, et al.
Am J Psychiatry 1980 Sep;137(9):1126

Depression in the course of chronic undifferentiated schizophrenia. Roy A. **Arch Gen Psychiatry** 1981 Mar; 38(3):296–7

Cancer and mental illness. Craig TJ, et al.
Compr Psychiatry 1981 Jul–Aug;22(4):404–10

Schizophrenia and sexual functioning. Verhulst J, et al.
Hosp Community Psychiatry 1981 Apr;32(4):259–62

Differentiation of chronic schizophrenics with and without ventricular enlargement by the Luria–Nebraska Neuropsychological Battery. Golden CJ, et al.
Int J Neurosci 1980;11(2):131–8

Unsuspected organic disease in chronic schizophrenia demonstrated by computed tomography. Cunningham Owens DG, et al. **J Neurol Neurosurg Psychiatry** 1980 Dec; 43(12):1065–9

Blindness and schizophrenia. Riscalla LM.
Med Hypotheses 1980 Dec;6(12):1327–8

Neuroleptic drugs and sexual function in schizophrenia. Nestoros JN, et al. **Mod Probl Pharmacopsychiatry** 1980; 15:111–30 (52 ref.)

Sinus tachycardia and abnormal cardiac rate variation in schizophrenia. Lovett Doust JW. **Neuropsychobiology** 1980; 6(6):305–12

Absence of severe tardive dyskinesia in Hungarian schizophrenic out-patients. Gardos G, et al.
Psychopharmacology (Berlin) 1980;71(1):29–34

[Severe catatonia, schizophrenia and hereditary coproporphyria. A case report (author's transl)] Offenstadt G, et al. **Sem Hop Paris** 1980 Nov 8–15;56(41–42):1727–30 (Eng. Abstr.) **(Fre)**

[Acute delirious episodes: a separate entity?] Ammar S, et al. **Tunis Med** 1980 May–Jun;58(3):518–21 **(Fre)**

[Depressive syndromes in the course of schizophrenia (author's transl)] Gross G, et al.
Fortschr Neurol Psychiatr 1980 Aug;48(8):438–46 (Eng. Abstr.) **(Ger)**

[2 cases of transsexual schizophrenics] Rovera GG, et al.
Minerva Psichiatr 1981 Apr–Jun;22(2):99–103 (Eng. Abstr.) **(Ita)**

[Reactive depression in patients with slowly progressive schizophrenia] Kolesina NIu. **Zh Nevropatol Psikhiatr** 1981; 81(4):561–7 (Eng. Abstr.) **(Rus)**

[Clinical features and course of schizophrenia developing in patients during remote periods following cranio-cerebral injuries] Kornilov AA. **Zh Nevropatol Psikhiatr** 1980; 80(11):1687–92 (Eng. Abstr.) **(Rus)**

[Clinical features of the Kandinsky–Clerambault syndrome in schizophrenic patients and prognosis] Tsirkin SIu.
Zh Nevropatol Psikhiatr 1980;80(5):731–7 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Discrimination function based on delayed auditory feedback in the diagnosis of functional psychoses. Baštecký J, et al.
Act Nerv Super (Praha) 1979 Jul;Suppl 2:377–8

Computerized tomography of the brain in schizophrenic

patients. A controlled study. Tanaka Y, et al. **Acta Psychiatr Scand** 1981 Mar;63(3):191–7

Effects of parental absence and institutionalization on the development of clinical symptoms in high–risk children. Walker EF, et al. **Acta Psychiatr Scand** 1981 Feb; 63(2):95–109

Hypnosis as a diagnostic tool. Gross M. **Am J Clin Hypn** 1980 Jul;23(1):47–52

Statistical basis for exploring schizophrenia. Bartko JJ, et al. **Am J Psychiatry** 1981 Jul;138(7):941–7

Diagnosing schizophrenia with DSM–III [letter] Campbell R, et al. **Am J Psychiatry** 1981 Sep;138(9):1260–1

Beyond diagnosis: the phenomenology of schizophrenia. Carpenter WT Jr, et al. **Am J Psychiatry** 1981 Jul; 138(7):948–53

Differentiating mania from schizophrenia by the TRH test. Extein I, et al. **Am J Psychiatry** 1980 Aug;137(8):981–2

Established chronicity of psychotic symptoms in first–admission schizophrenic patients. Gift TE, et al. **Am J Psychiatry** 1981 Jun;138(6):779–84

Capgras syndrome as a symptom [letter] Hicks PS. **Am J Psychiatry** 1981 Apr;138(4):539–40

Diagnosing schizophrenia: Professor Kraepelin and the research diagnostic criteria. James RL, et al. **Am J Psychiatry** 1981 Apr;138(4):501–4

Underdiagnosis of manic–depressive illness in a hospital unit. Keisling R. **Am J Psychiatry** 1981 May;138(5):672–3

'Schizoaffective disorder': an invalid diagnosis? A comparison of schizoaffective disorder, schizophrenia, and affective disorder. Pope HG Jr, et al. **Am J Psychiatry** 1980 Aug;137(8):921–7

Modern diagnosis schizophrenia in hospitalized psychiatric patients. Ries R, et al. **Am J Psychiatry** 1980 Nov; 137(11):1419–21

Diagnosis according to Kraepelin [letter] Shorer CE. **Am J Psychiatry** 1980 Dec;137(12):1625

New directions in diagnosis: the longitudinal processes of schizophrenia. Strauss JS, et al. **Am J Psychiatry** 1981 Jul; 138(7):954–8

Multiple personalities. A report of 14 cases with implications for Schizophrenia and hysteria. Bliss EL. **Arch Gen Psychiatry** 1980 Dec;37(12):1388–97

Screening criteria for the diagnosis of schizophrenia in deaf patients. Evans JW, et al. **Arch Gen Psychiatry** 1981 Jul; 38(7):787–90

Predictive validity of DSM–III and Feighner definitions of schizophrenia. A comparison with research diagnosis criteria and CATEGO. Helzer JE, et al. **Arch Gen Psychiatry** 1981 Jul;38(7):791–7

Diagnostic discrepancy in personal accounts of patients with 'schizophrenia'. North C, et al. **Arch Gen Psychiatry** 1981 Feb;38(2):133–7

The role of the term schizophrenia in the decline of diagnoses of multiple personality. Rosenbaum M. **Arch Gen Psychiatry** 1980 Dec;37(12):1383–5

Schneiderian first–rank symptoms in schizophrenia. Silverstein ML, et al. **Arch Gen Psychiatry** 1981 Mar; 38(3):288–93

Stability of psychiatric diagnosis. Schizophrenia and affective disorders followed up over a 30– to 40–year period. Tsuang MT, et al. **Arch Gen Psychiatry** 1981 May;38(5):535–9

Conditional probabilities and the grid test for schizophrenic thought disorder. Allon R, et al. **Br J Clin Psychol** 1981 Feb;20(Pt 1):57–66

The distinction between paranoid and non–paranoid forms of schizophrenia. Berkowitz R. **Br J Clin Psychol** 1981 Feb;20(Pt 1):15–23

Using discriminant function analysis with clinical, demographic and historical variables to diagnose schizophrenia. Newmark CS, et al. **Br J Med Psychol** 1980 Dec;53(4):365–73

Schizophrenia: Schneider's first–rank symptoms and outcome. Bland RC, et al. **Br J Psychiatry** 1980 Jul; 137:63–8

Positive and negative schizophrenic symptoms and the role of dopamine. Crow TJ. **Br J Psychiatry** 1980 Oct;137:383–6

The identification of disease entities and the relationship between schizophrenic and affective psychoses. Kendell RE, et al. **Br J Psychiatry** 1980 Oct;137:324–31

Positive and negative schizophrenic symptoms and the role of dopamine. Mackay AV. **Br J Psychiatry** 1980 Oct; 137:379–83

Epileptic psychosis--diagnostic comparison with process schizophrenia. Perez MM, et al. **Br J Psychiatry** 1980 Sep; 137:245–9

Predictive accuracy and clinical utility of the Grid Test of Schizophrenic Thought Disorder [letter] Waugh MH. **Br J Psychiatry** 1980 Sep;137:300

Development of a picture–preference measure of thought disorder. Rudzinski D, et al. **Br J Soc Clin Psychol** 1980 Nov;19(Pt 4):369–76

Modifications in the psychopathologic definition of schizophrenia--alterations during the last two decades: expectations for the future. Berner P. **Compr Psychiatry** 1980 Nov–Dec;21(6):475–82

Change of diagnosis in schizophrenia and first–rank symptoms: an eight–year follow–up. Mellor CS, et al. **Compr Psychiatry** 1981 Mar–Apr;22(2):184–8

Schizophrenic symptomatology and cerebral dominance patterns: a comparison of EEG, AER, and BPRS measures. Serafetinides EA, et al. **Compr Psychiatry** 1981 Mar–Apr; 22(2):218–25

The phenomenon of emotional blunting: a wholistic quantitative qualitative approach. Shaheen O, et al. **Egypt J Psychiatry** 1979 Apr;2(1):27–40

Diagnosing schizophrenia: criteria sets and reality. Lipkowitz MH, et al. **Hosp Community Psychiatry** 1981 May; 32(5):344–5

Deficient motor synchrony in schizophrenia. Manschreck TC, et al. **J Abnorm Psychol** 1981 Aug;90(4):321–8

Psychosis associated with frontal lobe lesions in Schilder's cerebral sclerosis: a case report with CT scan evidence. Ramani SV. **J Clin Psychiatry** 1981 Jun;42(6):250–2

The validity of the Whitaker Index of Schizophrenic Thinking. Knight RA, et al. **J Clin Psychol** 1980 Jul; 36(3):632–9

Discriminative dimensions of the MMPI as a function of age and psychopathology. Miller TW, et al. **J Clin Psychol** 1980 Jul;36(3):758–62

Age and MMPI indices of schizophrenia. Newmark CS, et al. **J Clin Psychol** 1980 Jul;36(3):768–9

WIST predictions of brain damage: a follow–up to Albott and Gilbert. Peake TH, et al. **J Clin Psychol** 1981 Jan; 37(1):180–2

Differentiation of schizophrenics with and without brain damage using the Whitaker Index of Schizophrenic Thinking. Puente AE, et al. **J Clin Psychol** 1981 Jul; 37(3):464–6

Diagnosis of schizophrenia in Egypt: a within national comparison. Gawad MS, et al. **J Egypt Med Assoc** 1978; 61(Suppl 1–2):99–112

Treatment–relevant subtypes of schizophrenia. Carpenter WT Jr, et al. **J Nerv Ment Dis** 1981 Feb;169(2):113–9

Covariance of affective and schizophrenic symptoms in schizoaffective psychosis. Silva JA, et al. **J Nerv Ment Dis** 1980 Sep;168(9):559–61

Organizing the complexes of schizophrenia. Strauss JS, et al. **J Nerv Ment Dis** 1981 Feb;169(2):120–6

A validation study of forms A and B of the Whitaker Index of Schizophrenic Thinking. Evans RG, et al. **J Pers Assess** 1980 Aug;44(4):416–9

Dementia praecox and schizophrenia: was Bleuler wrong? Crow TJ, et al. **J R Coll Physicians Lond** 1980 Oct; 14(4):238, 240

Vocal cues as indices of schizophrenia. Todt EH, et al. **J Speech Hear Res** 1980 Sep;23(3):517–26

Computerized EEG in schizophrenics. Kemali D, et al. **Neuropsychobiology** 1980;6(5):260–7

Schizophrenia. Leff J. **Practitioner** 1981 Jan;225(1351):37–8, 41–2

Sorting consistency as a diagnostic tool for schizophrenics and normals. Calev A, et al. **Psychiatry Res** 1980 Jul; 2(3):231–9

A postscript on the 12–point flexible system for the diagnosis of schizophrenia: a report from the international pilot study of schizophrenia. Carpenter WT Jr, et al. **Psychiatry Res** 1980 Dec;3(3):357–64

EEG sleep and affective psychoses: I. Schizoaffective disorders. Kupfer DJ, et al. **Psychiatry Res** 1979 Oct; 1(2):173–8

Diagnostic criteria for schizophrenia: prognostic implications and diagnostic overlap. Stephens JH, et al. **Psychiatry Res** 1980 Mar;2(1):1–12

Depressed patients with schizophrenic or paranoid symptoms. Brockington IF, et al. **Psychol Med** 1980 Nov; 10(4):665–75

An evaluation of the Feighner criteria for schizophrenia and affective disorders using long–term outcome data. Tsuang MT, et al. **Psychol Med** 1981 May;11(2):281–7

Can the psychiatrist learn from the psycholinguist? Detecting coherence in the disordered speech of manics and schizophrenics. Wykes T. **Psychol Med** 1981 Aug; 11(3):641–2

Schizophrenia–like illness following head injury. Nasrallah HA, et al. **Psychosomatics** 1981 Apr;22(4):359–61

Errors in the diagnosis of schizophrenia in black and Indian patients. Cheetham RW, et al. **S Afr Med J** 1981 Jan 17; 59(3):71–5

The group of hypotonic schizophrenics. Cantor S, et al. **Schizophr Bull** 1981;7(1):1–11

[Clinical characteristics of graft schizophrenia (author's transl)] Shen QJ. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1979; 12(1):4–6 **(Chi)**

[Changes of signs and delusional behaviour in aged chronic schizophrenics (author's transl)] Benos J. **Fortschr Neurol Psychiatr** 1980 Oct;48(10):513–55 (Eng. Abstr.) **(Ger)**

[Schizophrenic–depressive–schizoaffective disorders (author's transl)] Scharfetter C. **Praxis** 1981 Feb 3; 70(6):200–5 (Eng. Abstr.) **(Ger)**

[Diagnostic criteria and prognosis in simple schizophrenia] Kalinowski A. **Psychiatr Pol** 1980 Sep–Oct;14(5):497–504 (Eng. Abstr.) **(Pol)**

[Studies of the structure and dynamics of neurotic syndromes initiating schizophrenic processes (author's transl)] Perzyński J. **Psychiatr Pol** 1981 Jan–Feb;15(1):9–15 (Eng. Abstr.) **(Pol)**

[Precise definition of the forensic psychiatric evaluation criteria of psychopathic–like states in schizophrenics] Kudriavtsev IA, et al. **Sud Med Ekspert** 1980 Oct–Dec; 23(4):41–4 **(Rus)**

[Hypochondriac syndrome in the clinical picture of schizophrenia] Kolomiichenko LN. **Vrach Delo** 1981; (6):97–100 **(Rus)**

[Forms of hypnotic somnambulism according to their clinical basis] Burno ME, et al. **Zh Nevropatol Psikhiatr** 1980; 80(8):1187–91 (Eng. Abstr.) **(Rus)**

[Monothematic catathymic delusions in slowly progressive schizophrenia] Dubnitskiĭ LB. **Zh Nevropatol Psikhiatr** 1980;80(8):1179–87 (Eng. Abstr.) **(Rus)**

[Psychogenically modified schizophrenia and reactive psychosis (differential diagnostic aspect)] Gerasimov SV. **Zh Nevropatol Psikhiatr** 1980;80(9):1343–8 (Eng. Abstr.) **(Rus)**

[Diagnosing depression of a neurotic and subpsychotic character] Grigor'eva EA. **Zh Nevropatol Psikhiatr** 1980; 80(11):1692–6 (Eng. Abstr.) **(Rus)**

[Study of the clinical features of psychopathy–like schizophrenia in childhood and adolescence] Gur'eva VA, et al. **Zh Nevropatol Psikhiatr** 1980;80(10):1532–5 (Eng. Abstr.) **(Rus)**

[Clinical features of the initial manifestations of slowly–progressing schizophrenia] Mazaeva NA. **Zh Nevropatol Psikhiatr** 1981;(5):709–14 (Eng. Abstr.) **(Rus)**

[Problem of residual and defective states in schizophrenia (in relation to the tasks of clinical and socio–vocational prognosis) (review)] Melekhov DE. **Zh Nevropatol Psikhiatr** 1981;81(1):128–38 (64 ref.) **(Rus)**

[Features of the clinical picture and course of ambulatory schizophrenia with onset in young adulthood (clinico–catamnestic study)] Mikhaĭlova VA. **Zh Nevropatol Psikhiatr** 1981;81(1):98–104 (Eng. Abstr.) **(Rus)**

[Prepsychotic period in schizophrenic patients first arising and becoming acute in advanced age] Mikhlin VM, et al. **Zh Nevropatol Psikhiatr** 1980;80(5):726–31 (Eng. Abstr.) **(Rus)**

[Clinical picture of the late stages of sluggishly–progressing schizophrenia in advanced age] Molchanova EK. **Zh Nevropatol Psikhiatr** 1981;(5):715–20 (Eng. Abstr.) **(Rus)**

[Variants of the stabilization process in the late stages of malignant schizophrenia] Novikov VN. **Zh Nevropatol Psikhiatr** 1981;(5):720–4 (Eng. Abstr.) **(Rus)**

[Independence of the slowly progressive form of schizophrenia] Smulevich AB. **Zh Nevropatol Psikhiatr** 1980;80(8):1171–9 (78 ref.) (Eng. Abstr.) **(Rus)**

[Differential diagnosis of late endogenous affective psychoses] Sudareva LO. **Zh Nevropatol Psikhiatr** 1981; 81(4):555–61 (Eng. Abstr.) **(Rus)**

[Clinico–electrophysiologic characteristics of non–process personality changes and schizophrenia in adolescence] Sviderskaia NE, et al. **Zh Nevropatol Psikhiatr** 1980; 80(6):886–93 (Eng. Abstr.) **(Rus)**

[Comparative age aspect of studies of schizophrenia in children and adolescents] Vrono MSh. **Zh Nevropatol Psikhiatr** 1980;80(10):1510–4 (Eng. Abstr.) **(Rus)**

DIET THERAPY

Wheat gluten challenge in schizophrenic patients. Potkin SG, et al. **Am J Psychiatry** 1981 Sep;138(9):1208–11

DRUG THERAPY

Effects of thyrotropin–releasing hormone in chronic schizophrenic patients. Kobayashi K, et al. **Acta Med Okayama** 1980 Sep;34(4):263–73

Biochemical and neuroendocrine approaches to a malignant syndrome of neuroleptics. Ansseau M, et al. **Acta Psychiatr Belg** 1980 Sep–Oct;80(5):600–6

Haloperidol and droperidol treatment in schizophrenics. Clinical application of the 'prolactin–model'. Langer G, et al. **Acta Psychiatr Belg** 1980 Sep–Oct;80(5):574–83

A new dosage schedule for pimozide in the acute stabilisation and maintenance treatment of psychosis. Noordhuizen GJ. **Acta Psychiatr Belg** 1980 May–Jun;80(3):329–40

Late (4–8 years) outcome of treatment with megadoses of fluphenazine enanthate in drug–refractory schizophrenics. Dencker SJ, et al. **Acta Psychiatr Scand** 1981 Jan;63(1):1–12

Discontinuing antiparkinson medication in chronic schizophrenics. At what cost to the patient? Manos N, et al. **Acta Psychiatr Scand** 1981 Jan;63(1):28–32

DL–propranolol and chlorpromazine following admission for schizophrenia. A controlled comparison. Yorkston NJ, et al. **Acta Psychiatr Scand** 1981 Jan;63(1):13–27

The need for long–term neuroleptic treatment in schizophrenia. Dencker SJ. **Acta Psychiatr Scand [Suppl]** 1981;63(291):29–43

The role of neuroleptics in an integrated treatment program for chronic schizophrenics. Gottfries I, et al. **Acta Psychiatr Scand [Suppl]** 1981;63(291):44–55

Oral versus depot medication in schizophrenia. Johnson DA. **Acta Psychiatr Scand [Suppl]** 1981;63(291):56–64

The risks of long–term neuroleptic treatment of schizophrenia: especially depression and akinesia. Rifkin A. **Acta Psychiatr Scand [Suppl]** 1981;63(291):129–36

High doses of clorotepin in chronic schizophrenia (preliminary report). Bastecký J, et al. **Agressologie** 1980; 21(A):31–5

Further clinical experiences with optical isomers of the L and D clorothepin. Náhunek K, et al. **Agressologie** 1979;

20(D):275–8
The effects of naloxone in chronic schizophrenia. Berger PA, et al. **Am J Psychiatry** 1981 Jul;138(7):913–8
Effects of neuroleptic adjustment on clinical condition and tardive dyskinesia in schizophrenic patients. Branchey MH, et al. **Am J Psychiatry** 1981 May;138(5):608–12
Low serum prolactin and early relapse following neuroleptic withdrawal. Brown WA, et al. **Am J Psychiatry** 1981 Feb; 138(2):237–9
Physostigmine and lithium response in the schizophrenias. Edelstein P, et al. **Am J Psychiatry** 1981 Aug; 138(8):1078–81
Lithium response in good prognosis schizophrenia. Hirschowitz J, et al. **Am J Psychiatry** 1980 Aug; 137(8):916–20
Behavioral effects of methadone in schizophrenic patients. Judd LL, et al. **Am J Psychiatry** 1981 Feb;138(2):243–5
Clinical use of the antipsychotics. Kessler KA, et al. **Am J Psychiatry** 1981 Feb;138(2):202–9
Very high dose loxapine in refractory schizophrenic patients. Lehmann CR, et al. **Am J Psychiatry** 1981 Sep; 138(9):1212–4
Attitudes toward medication change among chronically impaired psychiatric patients. Lesser IM, et al. **Am J Psychiatry** 1981 Jun;138(6):801–3
Relationship of serum haloperidol levels to clinical response in schizophrenic patients. Magliozzi JR, et al. **Am J Psychiatry** 1981 Mar;138(3):365–7
The need for continuous use of antiparkinsonian medication with chronic schizophrenic patients receiving long-term neuroleptic therapy. Manos N, et al. **Am J Psychiatry** 1981 Feb;138(2):184–8
Predicting outcome of antipsychotic drug treatment from early response. May PR, et al. **Am J Psychiatry** 1980 Sep; 137(9):1088–9
Behavioral and biological effects of acute beta-endorphin injection in schizophrenic and depressed patients. Pickar D, et al. **Am J Psychiatry** 1981 Feb;138(2):160–6
Effect of interferon on severe psychiatric diseases. Cantell K, et al. **Ann Clin Res** 1980 Jun;12(3):131–2
Motility, Parkinsonism, and prolactin with thiothixene and thioridazine. Crowley TJ, et al. **Arch Gen Psychiatry** 1981 Jun;38(6):668–75
Relapse in schizophrenia [letter] Goldhamer P. **Arch Gen Psychiatry** 1981 Jul;38(7):842–3
'Revealed' Depression and drug treatment for schizophrenia. Knights A, et al. **Arch Gen Psychiatry** 1981 Jul;38(7):806–11
Chlorpromazine levels and the outcome of treatment in schizophrenic patients. May PR, et al. **Arch Gen Psychiatry** 1981 Feb;38(2):202–7
Cerebral ventricular enlargement and dopamine synthesis inhibition in chronic schizophrenia [letter] Nasrallah HA, et al. **Arch Gen Psychiatry** 1980 Dec;37(12):1427–
Rapid treatment of acute psychotic symptoms with high- and low-dose haloperidol. Behavioral considerations. Neborsky R, et al. **Arch Gen Psychiatry** 1981 Feb; 38(2):195–9
Serum haloperidol determinations in psychiatric patients. Comparison of methods and correlation with serum prolactin level. Rubin RT, et al. **Arch Gen Psychiatry** 1980 Sep;37(9):1069–74
Prediction of response to and actual outcome of chlorpromazine treatment in schizophrenic patients. Sakurai Y, et al. **Arch Gen Psychiatry** 1980 Sep; 37(9):1057–62
Des-tyrosine-gamma-endorphin administration in chronic schizophrenics. A preliminary report. Tamminga CA, et al. **Arch Gen Psychiatry** 1981 Feb;38(2):167–8
Subjective response to antipsychotic drugs. Van Putten T, et al. **Arch Gen Psychiatry** 1981 Feb;38(2):187–90
Relationships between clinical and biochemical effects of melperone and thiothixene in psychotic women. Bjerkenstedt L, et al. **Arch Psychiatr Nervenkr** 1979; 227(3):181–92
Outcome and risks of ultra-long-term treatment with an oral neuroleptic drug. Relationship between perazine serum levels and clinical variables in schizophrenic outpatients. Pietzcker A, et al. **Arch Psychiatr Nervenkr** 1981; 229(4):315–29
The effect of thioridazine on prolactin levels in acutely schizophrenic patients: challenge-dose and steady-state levels. Johnson GF, et al. **Aust NZ J Psychiatry** 1980 Jun; 14(2):127–31
Lateralized deficits and drug influences on the dichotic listening of schizophrenic patients. Gruzelier JH, et al. **Biol Psychiatry** 1980 Oct;15(5):759–79
Piperidine in chronic schizophrenic patients: a controlled double-blind study. Luchins DJ, et al. **Biol Psychiatry** 1981 Jan;16(1):91–5
Controlled trial of sulpiride in chronic schizophrenic patients. Edwards JG, et al. **Br J Psychiatry** 1980 Dec;137:522–9
Active and passive avoidance learning in controls and schizophrenic patients on racemic propranolol and neuroleptics. Gruzelier J, et al. **Br J Psychiatry** 1980 Aug; 137:131–7
Some clinical and metabolic aspects of propranolol in chronic schizophrenia. King DJ, et al. **Br J Psychiatry** 1980 Nov; 137:458–68
Sodium valproate in schizophrenia: some biochemical correlates. Lautin A, et al. **Br J Psychiatry** 1980 Sep; 137:240–4
Propranolol in chronic schizophrenia: a controlled study in neuroleptic-treated patients. Lindström LH, et al. **Br J Psychiatry** 1980 Aug;137:126–30
Intermittent pimozide versus fluphenazine decanoate as maintenance therapy in chronic schizophrenia. McCreadie RG, et al. **Br J Psychiatry** 1980 Dec;137:510–7
Use of antidepressants in schizophrenia. [editorial] **Br Med J** 1980 Apr 12;280(6220):1037–8
Disturbed behaviour induced by high-dose antipsychotic drugs [letter] Barnes T, et al. **Br Med J** 1980 Oct 18; 281(6247):1068
Fluphenazine resistant psychosis. Brent R, et al. **Can J Psychiatry** 1981 Mar;26(2):118–9
Effect of propranolol treatment on serum prolactin level in schizophrenic patients. Elizur A, et al. **Commun Psychopharmacol** 1980;4(3):203–6
Prognosis in schizophrenia: individual differences in psychological response to a test dose of antipsychotic drug and their relationship to blood and saliva levels and treatment outcome. May PR, et al. **Compr Psychiatry** 1981 Mar-Apr;22(2):147–52
Tardive dyskinesia: two-year recovery. Seeman MV. **Compr Psychiatry** 1981 Mar-Apr;22(2):189–92
Endorphin research in schizophrenic psychoses. Van Praag HM, et al. **Compr Psychiatry** 1981 Mar-Apr;22(2):135–46 (46 ref.)
Clopenthixol decanoate in schizophrenia. Carney MW, et al. **Curr Med Res Opin** 1981;7(4):205–11
Drug-induced extrapyramidal side-effects in Egyptian schizophrenic patients. Okasha A, et al. **Egypt J Psychiatry** 1979 Oct;2(2):191–7
A double-blind comparison of three dosages of flutroline (CP-36,584) in the treatment of schizophrenia. McEvoy JP, et al. **Int Pharmacopsychiatry** 1980;15(5):318–24
Benzodiazepines in schizophrenia: a need for reassessment. Nestoros JN. **Int Pharmacopsychiatry** 1980;15(3):171–9
Mobilization of refractory chronic schizophrenics with haloperidol. Psaras M, et al. **Int Pharmacopsychiatry** 1980; 15(3):180–5
Pharmacotherapy of schizophrenia and affective disorders: behavioral correlates of diagnostic and demographic variables. Rosen AJ, et al. **J Abnorm Psychol** 1980 Jun; 89(3):378–89
Viloxazine and the depressed schizophrenic--methodological issues. Kurland AA, et al. **J Clin Pharmacol** 1981 Jan; 21(1):37–41
Pharmacomanometric studies of colonic motility as a guide to the chemotherapy of schizophrenia. Lechin F, et al. **J Clin Pharmacol** 1980 Nov-Dec;20(11–12):664–71
Reserpine added to neuroleptic-tricyclic in refractory schizophrenics. Bacher N, et al. **J Clin Psychiatry** 1981 Aug;42(8):326
A comparative study of parenteral molindone and haloperidol in the acutely psychotic patient. Binder R, et al. **J Clin Psychiatry** 1981 May;42(5):203–6
Lithium combined with neuroleptics in chronic schizophrenic and schizoaffective patients. Carman JS, et al. **J Clin Psychiatry** 1981 Mar;42(3):124–8
Tardive dyskinesia in schizophrenic outpatients: prevalence and significant variables. Ezrin-Waters C, et al. **J Clin Psychiatry** 1981 Jan;42(1):16–22
Thiothixene plasma levels and clinical response in acute schizophrenia. Reifler BV, et al. **J Clin Psychiatry** 1981 May;42(5):207–11
Theoretical and clinical aspects of the Tourette syndrome (chronic multiple tic). Fog R, et al. **J Neural Transm [Suppl]** 1980;(16):211–5
Propranolol in schizophrenia--more guess than Gauss [editorial] **Lancet** 1980 Sep 20;2(8195 pt 1):627–8
Des-Tyr1-gamma-endorphin in schizophrenia [letter] Emrich HM, et al. **Lancet** 1980 Dec 20–27; 2(8208–8209):1364–5
Pharmacokinetic interaction between propranolol and chlorpromazine in schizophrenic patients [letter] Peet M, et al. **Lancet** 1980 Nov 1;2(8201):978
beta-Endorphin and schizophrenia [letter] Pethö B, et al. **Lancet** 1981 Jan 24;1(8213):212–3
Antipsychotic effect of gamma-type endorphins in schizophrenia [letter] van Ree JM, et al. **Lancet** 1980 Dec 20–27;2(8208–8209):1363–4
An alternative mechanism of actions for neuroleptic and antidepressant drugs. Randall PL. **Med Hypotheses** 1981 Feb;7(2):251–60
Pindolol in schizophrenia [letter] O'Connor M. **Med J Aust** 1981 Apr 18;1(8):429
Use of naloxone in schizophrenic psychoses and manic syndromes. Verhoeven WM, et al. **Neuropsychobiology** 1981;7(3):159–68
Des-tyrosyl-gamma-endorphin in schizophrenia: a double-blind trial in 13 patients. Emrich HM, et al. **Pharmakopsychiatr Neuropsychopharmakol** 1980 Sep; 13(5):290–8
Pimozide as an adjuvant to maintenance therapy in chronic schizophrenia. Nakra BR, et al. **Pharmatherapeutica** 1980; 2(5):337–40
Does neuroleptic blocking of dopamine receptors continue after chronic treatment? Belmaker RH, et al. **Prog Biochem Pharmacol** 1980;16:109–18
Dextro-propranolol in schizophrenia. Hirsch SR, et al. **Prog Neuropsychopharmacol** 1980;4(6):633–7
Psychotropic drugs and depressive syndrome in schizophrenia. Planansky K, et al. **Psychiatr Q** 1980 Fall; 52(3):214–21
Serum prolactin levels following intramuscular chlorpromazine: two- and three-hour response as predictors of six-hour response. Busch DA, et al. **Psychiatry Res** 1979 Oct;1(2):153–9
A probable neuroleptic effect on platelet monoamine oxidase in chronic schizophrenic patients. DeLisi LE, et al. **Psychiatry Res** 1981 Feb;4(1):95–107
Low dose fluphenazine decanoate in maintenance treatment of schizophrenia. Kane JM, et al. **Psychiatry Res** 1979 Dec; 1(3):341–8
Acute amphetamine response predicts antidepressant and antipsychotic responses to lithium carbonate in schizophrenic patients. van Kammen DP, et al. **Psychiatry Res** 1981 Jun;4(3):313–25
Lack of effect of naloxone and schizophrenic auditory hallucinations. Freeman CP, et al. **Psychol Med** 1981 May; 11(2):405–7
Effect of propranolol and phenothiazines on electrodermal orienting and habituation in schizophrenia. Gruzelier J, et al. **Psychol Med** 1981 Feb;11(1):93–108
(Des-Tyr)-gamma-endorphin in the treatment of schizophrenia. Manchanda R, et al. **Psychol Med** 1981 May; 11(2):401–4
Effects of gradual decrease and discontinuation of neuroleptics on clinical condition and tardive dyskinesia [proceedings] Branchey MH, et al. **Psychopharmacol Bull** 1981 Jan;17(1):118–20
The effects of a drug holiday on relapse and tardive dyskinesia in chronic schizophrenics [proceedings] Goldberg SC, et al. **Psychopharmacol Bull** 1981 Jan; 17(1):116–7
Natural and therapeutic environmental indicators of maintenance dosage requirements [proceedings] Hogarty GE. **Psychopharmacol Bull** 1981 Jan;17(1):36–7
Long-term changes in AIMS ratings and their relation to medication history [proceedings] Smith JM, et al. **Psychopharmacol Bull** 1981 Jan;17(1):120–1
Plasma levels of chlorpromazine and clinical response [proceedings] van Putten T, et al. **Psychopharmacol Bull** 1981 Jan;17(1):113–5
High dose diazepam in schizophrenia. Beckmann H, et al. **Psychopharmacology (Berlin)** 1980;71(1):79–82
Fluphenazine pharmacokinetics and therapeutic response. Dysken MW, et al. **Psychopharmacology (Berlin)** 1981; 73(3):205–10
A double-blind comparison of trebenzomine and thioridazine in the treatment of schizophrenia. Georgotas A, et al. **Psychopharmacology (Berlin)** 1981;73(3):292–4
Assessment of naltrexone in the treatment of schizophrenia. Gitlin MJ, et al. **Psychopharmacology (Berlin)** 1981; 74(1):51–3
A clinical and pharmacodynamic evaluation of sulpiride. Rao VA, et al. **Psychopharmacology (Berlin)** 1981;73(1):77–80
Serum and CSF levels of haloperidol by radioimmunoassay and radioreceptor assay during high-dose therapy of resistant schizophrenic patients. Rimón R, et al. **Psychopharmacology (Berlin)** 1981;73(2):197–9
Long-term neuroleptic treatment of chronic schizophrenic patients: clinical and biochemical effects of withdrawal. Zander KJ, et al. **Psychopharmacology (Berlin)** 1981; 73(1):43–7
Clinical and experimental study of oxyprothepine. Zapletálek M, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1980; 23(4):487–90
[Clinical observations on the effects of Lactoni Coriariae and Tutin in the treatment of schizophrenia (report of 140 cases) (author's transl)] Yuan DJ. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1979; 12(4):196–200 **(Chi)**
[On the question of differences between therapeutic responses after particular neuroleptics in comparison to perphenazine in schizophrenics (author's transl)] Náhunek K, et al. **Cesk Psychiatr** 1981 Feb;77(1):25–30 (Eng. Abstr.) **(Cze)**
[Maintenance treatment in schizophrenic psychoses (author's transl)] Vinař O. **Cesk Psychiatr** 1980 Jun;76(3):197–203 (Eng. Abstr.) **(Cze)**
[Administration of naloxone in schizophrenic psychoses and manic syndromes] Verhoeven WM, et al. **Ned Tijdschr Geneeskd** 1981 Apr 4;125(14):532–7 (Eng. Abstr.) **(Dut)**
[Endorphins and schizophrenia. I. Brief review of the literature] Bourgeois M, et al. **Ann Med Psychol (Paris)** 1980 Nov;138(9):1106–12 (18 ref.) **(Fre)**
[Endorphins and schizophrenias. II. Trial treatment of schizophrenia with des-Tyr-gamma-endorphin (DT gamma E) (including a personal trial)] Bourgeois M, et al. **Ann Med Psychol (Paris)** 1980 Nov;138(9):1112–9 **(Fre)**
[Further considerations on the use of lithium carbonate and the renal and thyroid disorders resulting from it] Chouinard G. **Union Med Can** 1980 Feb;109(2):221–6, 304 (Eng. Abstr.) **(Fre)**
[Fluspirilen and fluphenazine in schizophrenic patients. Comparative study] Magnus RV. **MMW** 1980 Dec 5; 122(49):1758–60 **(Ger)**
[The course of schizophrenic psychoses treated with neuroleptics] Rüther E, et al. **MMW** 1981 May 8; 123(19):803–4 **(Ger)**
[Prophylactic efficacy of long-acting vs. short-acting neuroleptics in schizophrenic out-patients (author's transl)] Tegeler J, et al. **Nervenarzt** 1980 Nov;51(11):654–61 **(Ger)**

[Effect of high single doses of bromocriptine in schizophrenic patients with elevated serum prolactin levels and extrapyramidal side effects associated with neuroleptic treatment (author's transl)] Ringwald E, et al. **Pharmakopsychiatr Neuropsychopharmakol** 1980 Nov; 13(6):318–24 (Eng. Abstr.) **(Ger)**

[Modification of long-term schizophrenia by somato-therapeutic measures] Gross G, et al. **Psychiatr Clin (Basel)** 1980;13(3–4):179–92 (Eng. Abstr.) **(Ger)**

[Modification of schizophrenia by intensive neuroleptic therapy and the course of the disease after withdrawal of neuroleptic drugs] Steiner S. **Psychiatr Clin (Basel)** 1980; 13(3–4):165–78 (Eng. Abstr.) **(Ger)**

[Peculiarities and difficulties in the systematic drug therapy of chronic schizophrenics (schizophrenic 'defect')] Lange E, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Jan; 33(1):34–8 (Eng. Abstr.) **(Ger)**

[Neuroleptic large dose therapy of schizophrenias] Ungvári G, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Apr; 33(4):230–6 (Eng. Abstr.) **(Ger)**

[Schizophrenic chronicity due to neuroleptics?] Cornu F. **Schweiz Arch Neurol Neurochir Psychiatr** 1980; 126(2):269–73 **(Ger)**

[The plasma prolactin level under fluphenazine treatment (author's transl)] Hinterhuber H, et al. **Wien Med Wochenschr** 1980 Sep 15;130(17):566–70 (Eng. Abstr.) **(Ger)**

[Continued neuroleptic treatment in ambulatory care] Hempel HD. **Z Aerztl Fortbild (Jena)** 1980 Jun 15; 74(12):587–8 **(Ger)**

[Configuration frequency analysis. XI. Strategies of symptom configuration comparison before and after therapy] Lienert GA, et al. **Z Klin Psychol Psychother** 1980;28(2):110–23 (Eng. Abstr.) **(Ger)**

[Endogenous opiates and schizophrenia. Treatment of acute schizophrenic psychoses with beta-endorphin] Pethö B, et al. **Orv Hetil** 1980 Sep 21;121(38):2307–11 **(Hun)**

[Flufenazine decanoate in the ambulatory treatment of schizophrenic patients] Populin M, et al. **Minerva Psichiatr** 1981 Apr–Jun;22(2):85–92 (73 ref.) (Eng. Abstr.) **(Ita)**

[A pharmacogenous type of cataleptic reaction in the course of treatment for schizophrenia (author's transl)] Kiejna A, et al. **Psychiatr Pol** 1981 Jan–Feb;15(1):91–3 **(Pol)**

[Differences in the clinical effect of various neuroleptics] Welbel L. **Psychiatr Pol** 1980 Mar–Apr;14(2):113–8 (Eng. Abstr.) **(Pol)**

[Late results of lithium therapy in adolescent seizure-like schizophrenia patients] Iovchuk NM. **Zh Nevropatol Psikhiatr** 1980;80(10):1546–8 (Eng. Abstr.) **(Rus)**

[State of the adrenergic and cholinergic systems of schizophrenic patients during the process of psychopharmacotherapy] Krupenina LB, et al. **Zh Nevropatol Psikhiatr** 1980;80(5):737–45 (Eng. Abstr.) **(Rus)**

[Effect of discontinuation of long-term preventive lithium therapy] Mikhallova NM, et al. **Zh Nevropatol Psikhiatr** 1980;80(8):1216–20 (Eng. Abstr.) **(Rus)**

[Pharmacotherapeutic pathomorphosis of schizophrenia] Morkovkin VM, et al. **Zh Nevropatol Psikhiatr** 1980; 80(5):745–8 (Eng. Abstr.) **(Rus)**

[Place of clinical and pharmacokinetic parameters in prognosing the effectiveness of schizophrenic therapy] Panteleeva GP, et al. **Zh Nevropatol Psikhiatr** 1980; 80(5):748–54 (Eng. Abstr.) **(Rus)**

[Effectiveness of treating early-onset malignant schizophrenia with psychotropic drugs and their combinations] Sobolev ES, et al. **Zh Nevropatol Psikhiatr** 1981;81(1):114–21 (Eng. Abstr.) **(Rus)**

[Dynamics of the remission of acute schizophrenic episodes during psychopharmacologic treatment] Sverdlov LS. **Zh Nevropatol Psikhiatr** 1981;(5):737–43 (Eng. Abstr.) **(Rus)**

[Modified variant of simultaneous discontinuation of psychotropic drugs (given in combination with diuretics) as a method of abrupt termination therapy for protracted episodes of schizophrenia] Tsygankov BD. **Zh Nevropatol Psikhiatr** 1980;80(5):754–9 (Eng. Abstr.) **(Rus)**

[Treatment of schizophrenic patients with clomacran. A transcultural study (author's transl)] Torres Ruiz A, et al. **Arch Neurobiol (Madr)** 1981 Mar–Apr;44(2):117–24 (Eng. Abstr.) **(Spa)**

[Psychological aspects of depot treatment of schizophrenic syndromes] Jacobsson L, et al. **Lakartidningen** 1980 Oct 1;77(40):3522–6 (Eng. Abstr.) **(Swe)**

ENZYMOLOGY

Neuroleptic-induced decrease in platelet MAO activity of schizophrenic patients. Chojnacki M, et al. **Am J Psychiatry** 1981 Jun;138(6):838–40

Platelet enzyme abnormalities in neuropsychiatric disease. Farmer PM. **Ann Clin Lab Sci** 1980 Jul–Aug;10(4):263–8

Blood tryptophan metabolism in chronic schizophrenics. Freedman DX, et al. **Arch Gen Psychiatry** 1981 Jun; 38(6):655–9

Brain monoamine oxidase activity in schizophrenics and controls. Reveley MA, et al. **Arch Gen Psychiatry** 1981 Jun;38(6):663–5

Multiple forms of monoamine oxidase in chronic schizophrenia. Al-Mudhaffar SA, et al. **Biochem Exp Biol** 1979;15(4):311–6

Characterization of the multiple forms of monoamine oxidase from chronic schizophrenic sera. Al-Mudhaffar SA, et al. **Biochem Exp Biol** 1979;15(4):317–27

Dopamine-beta-hydroxylase, monoamine oxidase, and schizophrenia. DeLisi LE, et al. **Biol Psychiatry** 1980 Dec; 15(6):895–907

Eye-blink rates and platelet monoamine oxidase activity in chronic schizophrenic patients. Freed WJ, et al. **Biol Psychiatry** 1980 Apr;15(2):329–32

Serum dopamine-beta-hydroxylase activity in schizophrenia. Meltzer HY, et al. **Biol Psychiatry** 1980 Oct;15(5):781–8

Creatine phosphokinase elevations and psychiatric symptomatology. Taylor JR, et al. **Biol Psychiatry** 1980 Dec;15(6):865–70

Radioimmunoassay measurement of creatine kinase BB in the serum of schizophrenic patients. Lerner MH, et al. **Clin Chim Acta** 1980 Oct 23;107(1–2):121–8

Plasma DBH activity: relation to genetic factors in schizophrenia. Baron M, et al. **Commun Psychopharmacol** 1980;4(3):197–202

Plasma dopamine beta hydroxylase activity in chronic schizophrenic patients tested with single dose of 2-bromo-alpha ergocriptine (Parlodel). Vardi J, et al. **Encephale** 1981;7(1):95–103

Monoamine oxidase: studies of normal and psychiatric populations in a tropical environment. Sengupta N, et al. **Enzyme** 1981;26(4):191–200

Distribution of GABA in post-mortem brain tissue from control, psychotic and Huntington's chorea subjects. Spokes EG, et al. **J Neurol Sci** 1980 Dec;48(3):303–13

Kinetic analysis of platelet monoamine oxidase in chronic schizophrenia. Breier A, et al. **Life Sci** 1981 Apr 27; 28(17):1947–51

Platelet gamma-aminobutyric acid–aminotransferase and monoamine oxidase in schizophrenia. Reveley MA, et al. **Neuropharmacology** 1980 Dec;19(12):1249–50

Enzyme activity of G-6-PD, gamma-GT and lysozyme in white cells of schizophrenics. Alevizos BH, et al. **Neuropsychobiology** 1980;6(6):333–40

Platelet monoamine oxidase activity: relation to genetic load of schizophrenia. Baron M, et al. **Psychiatry Res** 1980 Sep; 3(1):69–74

Lymphocyte monoamine oxidase activity and chronic schizophrenia. DeLisi LE, et al. **Psychiatry Res** 1980 May; 2(2):179–86

Some kinetic parameters of platelet monoamine oxidase in chronic schizophrenia. Kobes RD, et al. **Psychiatry Res** 1979 Oct;1(2):179–85

Platelet monoamine oxidase: studies on the rate of heat inactivation in normal and in paranoid and nonparanoid chronic schizophrenic groups. Wise CD, et al. **Psychiatry Res** 1979 Oct;1(2):187–90

Platelet monoamine oxidase in an aged general population and elderly chronic schizophrenics [[proceedings] Bridge TP, et al. **Psychopharmacol Bull** 1981 Jan;17(1):103–4

Nongenetic factors affecting human platelet monoamine oxidase [proceedings] Friedhoff AJ, et al. **Psychopharmacol Bull** 1981 Jan;17(1):101–3

[Preliminary study on platelet monoamine oxidase in schizophrenic patients] Huang MS. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1980 Apr; 13(4):193–6 **(Chi)**

[A preliminary study on lactate dehydrogenase and its analogues in schizophrenics (author's transl)] Huang MS. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1980; 13(3):154–6 **(Chi)**

[Activity of blood platelet aldehyde oxidoreductases in schizophrenia] Landowski J, et al. **Psychiatr Pol** 1980 Sep–Oct;14(5):465–70 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Season of birth and family history [letter] Shur E. **Br J Psychiatry** 1980 Aug;137:198

Can mother–infant interaction produce vulnerability to schizophrenia? Brody EB. **J Nerv Ment Dis** 1981 Feb; 169(2):72–81 (57 ref.)

Commentary on 'how to break the logjam in schizophrenia: a look beyond genetics' by Joseph Zubin and Stuart Steinhauer [editorial] Carpenter WT Jr. **J Nerv Ment Dis** 1981 Aug;169(8):495–6

Comment on 'how to break the logjam in schizophrenia' [editorial] Strauss JS. **J Nerv Ment Dis** 1981 Aug; 169(8):493–4

How to break the logjam in schizophrenia. A look beyond genetics. Zubin J, et al. **J Nerv Ment Dis** 1981 Aug; 169(8):477–92

What should be done about schizophrenia? [editorial] Horrobin DF. **J R Soc Med** 1981 Mar;74(3):180–2

A neuroanatomical theory on the aetiology of schizophrenia. Randall PL. **Med Hypotheses** 1980 Jun;6(6):645–58

Biomathematical models of schizophrenia. Cronin J. **Neurol Res** 1979;1(1):87–99

Recent stressful life events and episodes of schizophrenia. Dohrenwend BP, et al. **Schizophr Bull** 1981;7(1):12–23

Stress, social supports, and schizophrenic disorders: toward an interactional model. Marsella AJ, et al. **Schizophr Bull** 1981;7(1):152–63

Stress and schizophrenia: some definitional issues. Spring B. **Schizophr Bull** 1981;7(1):24–33

Stress, social support, and schizophrenia. Discussion. Wolfe AW. **Schizophr Bull** 1981;7(1):173–7

[Psychogenic factors and schizophrenia] Xiang DZ. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1980 Apr; 13(4):202–4 **(Chi)**

[On the problem of the essential participation of persecution-conditioned stress in causing schizophrenic psychoses (author's transl)] Richartz MM, et al. **Psychiatr Prax** 1981 May;8(2):67–75 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

Maternal age at conception of children who became schizophrenic in their adult lives. Kelemen A. **Act Nerv Super (Praha)** 1979 Jul;Suppl 2:381

The interrelationship between the family-structure and outcome of schizophrenia. Kézdi B. **Act Nerv Super (Praha)** 1979 Jul;Suppl 2:381–2

A formal theory of selection for schizophrenia. Eaton WW. **AJS** 1980 Jul;86(1):149–58

Critique of the Danish-American studies of the adopted-away offspring of schizophrenic parents. Lidz T, et al. **Am J Psychiatry** 1981 Aug;138(8):1063–8

Paranoid psychosis (delusional disorder) and schizophrenia. A family history study. Kendler KS, et al. **Arch Gen Psychiatry** 1981 May;38(5):547–51

Infants at risk for schizophrenia. The Jerusalem Infant Development Study. Marcus J, et al. **Arch Gen Psychiatry** 1981 Jun;38(6):703–13

Aberrant monoamine metabolite levels in CSF and family history of schizophrenia. Their relationships in schizophrenic patients. Sedvall GC, et al. **Arch Gen Psychiatry** 1980 Oct;37(10):1113–6

The HLA system and schizophrenia. A study in a German population. Gattaz WF, et al. **Arch Psychiatr Nervenkr** 1980;228(3):205–11

Schizophrenia on paternal and maternal sides: an analysis of familial factors. Baron M. **Br J Psychiatry** 1980 Dec; 137:505–9

Morbidity risks of schizophrenia and affective disorders among first degree relatives of patients with schizophrenia, mania, depression and surgical conditions. Tsuang MT, et al. **Br J Psychiatry** 1980 Dec;137:497–504

Segregation analysis of schizophrenia under a mixed genetic model. Carter CL, et al. **Hum Hered** 1980;30(6):350–6

A prospective study of children of schizophrenic parents. Erlenmeyer-Kimling L, et al. **Int J Rehabil Res** 1980; 3(1):90–1

Schizophrenia in high-risk subjects: prognostic maternal characteristics. Talovic SA, et al. **J Abnorm Psychol** 1980 Jun;89(3):501–4

Relationship between schizoaffective illness and affective disorders or schizophrenia. Morbidity risk and genetic transmission. Mendlewicz J, et al. **J Affective Disord** 1980 Dec;2(4):289–302

Magnitude of reaction time crossover in process schizophrenic patients in relation to their first-degree relatives. DeAmicis LA, et al. **J Nerv Ment Dis** 1981 Jan; 169(1):64–5

The possible relationship between Laurence-Moon-Biedl-Bardet syndrome and a schizophrenic-like psychosis. Weiss M, et al. **J Nerv Ment Dis** 1981 Apr;169(4):259–60

Platelet monoamine oxidase values and genetic heterogeneity in schizophrenia research. Baron M, et al. **JAMA** 1981 Sep 25;246(13):1418–21

Genetics and schizophrenic behavior. Kahn E. **Psychiatr Q** 1980 Winter;52(4):251–69 (124 ref.)

Can schizophrenia with premorbid asociality be genetically distinguished from the other forms of schizophrenia? Quitkin FM, et al. **Psychiatry Res** 1980 Mar;2(1):99–105

Familial aspects of CT scan abnormalities in chronic schizophrenic patients. Weinberger DR, et al. **Psychiatry Res** 1981 Feb;4(1):65–71

Immunogenetics and schizophrenia. Roberts DF, et al. **Psychol Med** 1981 Aug;11(3):441–7

The group of schizophrenias, schizoaffective psychoses, and affective disorders. Scharfetter C, et al. **Schizophr Bull** 1980;6(4):586–91

[Relationship between schizophrenia, ABO system and secretory system (author's transl)] Faludi G. **Encephale** 1981;7(2):143–52 (Eng. Abstr.) **(Fre)**

[Method of adoption in the genetic analysis of schizophrenic psychoses. Critical review] Carlier M. **Psychiatr Enfant** 1980;23(2):507–85 (50 ref.) **(Fre)**

[Genetics and schizophrenia. Reevaluation of a consensus] Cassou B, et al. **Psychiatr Enfant** 1980;23(1):87–201 (100 ref.) **(Fre)**

[Present state of twin and adoption studies on schizophrenia (author's transl)] Zerbin-Rüdin E. **Nervenarzt** 1980 Jul; 51(7):379–91 **(Ger)**

[HLA, schizophrenias and arthropathies] Gattaz WF, et al. **Psychiatr Clin (Basel)** 1981;14(1):49–55 (Eng. Abstr.) **(Ger)**

[What increases the probability of manifestation in hereditary schizophrenia?] Leonhard K. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Mar; 33(3):129–44 (Eng. Abstr.) **(Ger)**

[Classification of endogenous psychoses from a genetic viewpoint] Scharfetter C. **Schweiz Arch Neurol Neurochir Psychiatr** 1979; 125(2):301–13 (Eng. Abstr.) **(Ger)**

[Genetics of endogenous psychoses] Zerbin-Rüdin E.

Schweiz Arch Neurol Neurochir Psychiatr 1979; 125(2):287–99 (Eng. Abstr.) **(Ger)**

[Schizophrenic psychoses in a pair of monochorionic twins] Fagiani MB. **Minerva Psichiatr** 1980 Jul–Sep;21(3):291–300 (Eng. Abstr.) **(Ita)**

[Body constitution in schizophrenics–types and occurrence of somatotypes according to Parnell] Majczak A, et al. **Psychiatr Pol** 1980 Mar–Apr;14(2):119–24 (Eng. Abstr.) **(Pol)**

[Genetic analysis of serum antilymphocytic activity in schizophrenia] Domashneva IV, et al. **Zh Nevropatol Psikhiatr** 1981;81(3):394–6 (Eng. Abstr.) **(Rus)**

[Concordance of clinical signs of schizophrenia in families with hereditary loading] Kornetov AN, et al. **Zh Nevropatol Psikhiatr** 1980;80(9):1359–64 (Eng. Abstr.) **(Rus)**

[Discordance and variability in the clinical picture of schizophrenia in hereditarily loaded families] Kornetov AN, et al. **Zh Nevropatol Psikhiatr** 1981;81(1):72–7 (Eng. Abstr.) **(Rus)**

[Possible identification of electroencephalographic changes caused by hereditary and process factors in schizophrenia] Kozhushko LF. **Zh Nevropatol Psikhiatr** 1981;81(3):390–4 (Eng. Abstr.) **(Rus)**

[Relationship between the clinical and electroencephalographic features of similarities between schizophrenic twins and the patient's sex] Moskalenko VD, et al. **Zh Nevropatol Psikhiatr** 1981;81(1):78–81 (Eng. Abstr.) **(Rus)**

[Relationship between ultrastructural pathology of the embryonal brain and features of the course and treatment of schizophrenic mothers] Orlovskaia DD, et al. **Zh Nevropatol Psikhiatr** 1980;80(11):1682–7 (Eng. Abstr.) **(Rus)**

[Genotypic specificity of schizophrenic psychoses] Shakhmatova–Pavlova IV, et al. **Zh Nevropatol Psikhiatr** 1980;80(5):719–26 (Eng. Abstr.) **(Rus)**

[Constitutional–genetic characteristics of families of probands with late endogenous depressions] Siuniakov SA. **Zh Nevropatol Psikhiatr** 1980;80(6):880–6 (Eng. Abstr.) **(Rus)**

[Lamellar formations in the brain cells of embryos of schizophrenic mothers] Solov'eva ZhV. **Zh Nevropatol Psikhiatr** 1980;80(7):1055–8 (Eng. Abstr.) **(Rus)**

[Nervous system pathology among the progeny of schizophrenic patients (functional–organic aspect)] Solov'eva ZhV, et al. **Zh Nevropatol Psikhiatr** 1980; 80(10):1554–64 (87 ref.) **(Rus)**

HISTORY

Preface to The Diary of Vaslav Nijinsky by Alfred Adler, MD. Ansbacher HL. **Arch Gen Psychiatry** 1981 Jul; 38(7):834–5

Discussion of Alfred Alder's preface to The Diary of Vaslav Nijinsky. Ansbacher HL. **Arch Gen Psychiatry** 1981 Jul; 38(7):836–41

[Hölderlin: poet, madman––malingerer? (author's transl)] Peters UH. **Nervenarzt** 1981 May;52(5):261–8 **(Ger)**

IMMUNOLOGY

Schizophrenia, celiac disease, and antibodies to food. McGuffin P, et al. **Biol Psychiatry** 1981 Mar;16(3):281–5

The choroid plexus and system disease in mental illness. II. Systemic lupus erythematosus: a combined transport dysfunction model for schizophrenia. Rudin DO. **Biol Psychiatry** 1981 Apr;16(4):373–97

HL-A–antigens, schizophrenia and brain atrophy [letter] Gattaz WF, et al. **Br J Psychiatry** 1980 Oct;137:398–9

Schizophrenia and other psychiatric diseases: evidence for neurotissue hypersensitivity. Janković BD, et al. **Clin Exp Immunol** 1980 Jun;40(3):515–22

HLA antigens in affective disorders and schizophrenia. Mendlewicz J, et al. **J Affective Disord** 1981 Mar;3(1):17–24

An immunological basis of schizophrenia and affective disorders? Fontana A, et al. **Neuropsychobiology** 1980; 6(5):284–9

Antithymic immune factor in schizophrenia. A World Health Organization study. Koliaskina G, et al. **Neuropsychobiology** 1980;6(6):349–55

Immunoglobulin levels in psychotic patients. Gowdy JM. **Psychosomatics** 1980 Sep;21(9):751–6

[Preliminary study on lymphocytic transformation test and intracutaneous tuberculin test in schizophrenias (author's transl)] Gu JS. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1979; 12(4):193–5 **(Chi)**

[Preliminary observations on immunoglobulins in schizophrenics (author's transl)] Huo KJ. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1979; 12(3):161–3 **(Chi)**

[Tuberculin sensitivity in various mental disorders] Sisenbaev SK, et al. **Probl Tuberk** 1981 Feb;(2):13–5 (Eng. Abstr.) **(Rus)**

[Antithymic factor in schizophrenia patients] Koliaskina GI, et al. **Zh Nevropatol Psikhiatr** 1980;80(5):710–6 (Eng. Abstr.) **(Rus)**

[Nature of antigens antibodies to which are detected in the serum of schizophrenic patients] Kushner SG, et al. **Zh Nevropatol Psikhiatr** 1980;80(7):1071–4 (Eng. Abstr.) **(Rus)**

[Complementary rosette study of peripheral blood B-lymphocytes of schizophrenic patients] Loseva TM. **Zh Nevropatol Psikhiatr** 1981;(5):697–700 (Eng. Abstr.) **(Rus)**

[Indirect immunofluorescence and complement absorption test characterization of anti–brain antibodies in schizophrenia] Mogilina NP, et al. **Zh Nevropatol Psikhiatr** 1981;81(3):397–401 (Eng. Abstr.) **(Rus)**

METABOLISM

Neurotransmitter receptors in brain in schizophrenia. Owen F, et al. **Acta Psychiatr Scand [Suppl]** 1981;63(291):20–8

Dopamine receptors, neuroleptics, and schizophrenia. Snyder SH. **Am J Psychiatry** 1981 Apr;138(4):460–4

Hyponatremia in psychogenic polydipsia. Hariprasad MK, et al. **Arch Intern Med** 1980 Dec;140(12):1639–42

Psychogenic polydipsia and inappropriate antidiuresis [editorial] Robertson GL. **Arch Intern Med** 1980 Dec; 140(12):1574

Measurements of regional cerebral blood flow and metabolism in psychopathological states. Ingvar DH. **Eur Neurol** 1981;20(3):294–6

Biochemistry and the schizophrenia. Old concepts and new hypothesis. Berger PA. **J Nerv Ment Dis** 1981 Feb; 169(2):90–9 (110 ref.)

Brain dopamine receptor densities in schizophrenics [letter] Iversen LL, et al. **Lancet** 1981 Jul 18;2(8238):149

Dopamine receptors and schizophrenia: drug effect or illness? [letter] Mackay AV, et al. **Lancet** 1980 Oct 25;2(8200):915–6

Dopamine receptors and schizophrenia: drug effect or illness [letter] Reynolds GP, et al. **Lancet** 1980 Dec 6;2(8206):1251

Dopamine receptors in post–mortem schizophrenic brains [letter] Reynolds GP. **Lancet** 1981 Jun 6;1(8232):1261

Modifications of biochemical parameters in blood platelets of schizophrenic and depressive patients. Giret M, et al. **Neuropsychobiology** 1980;6(5):290–6

Neuromelanin, neuroleptics and schizophrenia: hypothesis of an interaction between noradrenergic and dopaminergic system. Kaiya H. **Neuropsychobiology** 1980;6(5):241–8

Effects of chronic amphetamine treatment on the glutamate concentration in cerebrospinal fluid and brain: implications for a theory of schizophrenia. Kim JS, et al. **Neurosci Lett** 1981 Jun 12;24(1):93–6

Brain distribution and kinetics of 11C–chlorpromazine in schizophrenics: positron emission tomography studies. Comar D, et al. **Psychiatry Res** 1979 Jul;1(1):23–9

Interactions of amphetamine, pimozide, and lithium on plasma norepineophrine and dopamine–beta–hydroxylase in schizophrenic patients. Rosenblatt JE, et al. **Psychiatry Res** 1979 Jul;1(1):45–52

3H–Flupenthixol binding in post–mortem brains of schizophrenics: evidence for a selective increase in dopamine D2 receptors. Cross AJ, et al. **Psychopharmacology (Berlin)** 1981;74(2):122–4

[A study of renovation rate of dopamine and 5–hydroxytryptamine in brain in chronic schizophrenics (author's transl)] Shen YC. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1979; 12(3):158–60 **(Chi)**

[Modifications of cerebral amine metabolism in psychiatric illness] Linkowski P, et al. **Acta Psychiatr Belg** 1980 Sep–Oct;80(5):559–73 (38 ref.) **(Fre)**

[Neurochemistry and clinical psychiatry (author's transl)] Gross G. **Fortschr Neurol Psychiatr** 1981 Jan;49(1):34–42 (Eng. Abstr.) **(Ger)**

[The molecular pathology of schizophrenia (editorial)] Monitz H, et al. **Harefuah** 1981 Jan 15;100(2):96–7 **(Heb)**

[Biochemical approach to schizophrenia] Lipcsey A. **Orv Hetil** 1980 Nov 23;121(47):2863–70 **(Hun)**

[Senile psychopathy] Bertolini AM, et al. **Minerva Med** 1981 Sep 8;72(32):2151–5 **(Ita)**

[Catecholamine and indoleamine metabolism in groups of patients with paranoid and simple forms of schizophrenia] Gamaleia NB. **Zh Nevropatol Psikhiatr** 1981;(5):700–8 (Eng. Abstr.) **(Rus)**

[Problem of neuronal reception and the dopamine hypothesis of schizophrenia] Lideman RR, et al. **Zh Nevropatol Psikhiatr** 1980;80(5):762–9 (104 ref.) **(Rus)**

[Changes in the levels of adrenergic and serotoninergic indices in patients with depressive states] Misionzhnik Elu, et al. **Zh Nevropatol Psikhiatr** 1981;81(4):543–51 (Eng. Abstr.) **(Rus)**

[Impressions from the 12th CINP Congress (Collegium Internationale Neuro–Psychopharmacologicum) (author's transl)] Peričić D. **Lijec Vjesn** 1981;102(12):710–14 (Eng. Abstr.) **(Scr)**

MICROBIOLOGY

Search for cytomegalovirus in schizophrenic brain tissue. Aulakh GS, et al. **Proc Soc Exp Biol Med** 1981 Jun; 167(2):172–4

MORTALITY

Premature deaths in schizophrenia and affective disorders. An analysis of survival curves and variables affecting the shortened survival. Tsuang MT, et al. **Arch Gen Psychiatry** 1980 Sep;37(9):979–83

NURSING

Ward orientation training with psychogeriatric patients. Gilleard C, et al. **J Adv Nurs** 1981 Mar;6(2):95–8

OCCURRENCE

Sex differences in age at first hospital admission for schizophrenia: fact or artifact? Lewine RR, et al. **Am J Psychiatry** 1981 Apr;138(4):440–4

Seasonality of schizophrenic births in Ireland. O'Hare A, et al. **Br J Psychiatry** 1980 Jul;137:74–7

Social environment and relapse in schizophrenia [letter] Wing JK. **Br Med J** 1980 Aug 9;281(6237):452–3

Schizophrenia: sociocultural factors. Bland RC, et al. **Can J Psychiatry** 1981 Apr;26(3):186–8

Frequency of schizophrenia and depression in a black inpatient population. Collins JL, et al. **J Natl Med Assoc** 1980 Sep;72(9):851–6

Prevalence of schizophrenia in the Pacific Island populations of Micronesia. Dale PW. **J Psychiatr Res** 1981;16(2):103–11

Characteristics of first schizophrenic admissions to the general hospital Kuala Lumpur. Buhrich N, et al. **Med J Malaysia** 1980 Mar;34(3):269–72

[Epidemiology of schizophrenia] Turns DF. **Ann Med Psychol (Paris)** 1980 Jun;138(6):637–46 (Eng. Abstr.) **(Fre)**

[Epidemiologic features of schizophrenia based on data from Budapest] Füzéki B. **Orv Hetil** 1980 Nov 30;121(48):2933–8 **(Hun)**

[Changing style of schizophrenic symptomatology (author's transl)] Ishii A, et al. **Seishin Shinkeigaku Zasshi** 1980; 82(8):474–87 (Eng. Abstr.) **(Jpn)**

[On the social conditions of schizophrenic patients in an underpopulated district in Hokkaido––with special reference to their marital status (author's transl)] Ueno T, et al. **Seishin Shinkeigaku Zasshi** 1980;82(8):451–73 **(Jpn)**

[Changes in the socio–demographic structure of populations of patients first hospitalized for schizophrenia (author's transl)] Gerard K. **Psychiatr Pol** 1981 Jan–Feb;15(1):29–6 (Eng. Abstr.) **(Pol)**

[Schizophrenia among urban and rural patients. Comparative clinico–demographic characteristics (according to the results of an epidemiologic study)] Buzanova VE. **Zh Nevropatol Psikhiatr** 1981;(5):729–34 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Tritiated LSD binding in frontal cortex in schizophrenia. Whitaker PM, et al. **Arch Gen Psychiatry** 1981 Mar; 38(3):278–80

Lesions of the nucleus ansae peduncularis in neuropsychiatric disease. Averback P. **Arch Neurol** 1981 Apr;38(4):230–5

Structural lesions of the brain in young schizophrenics. Averback P. **Can J Neurol Sci** 1981 Feb;8(1):73–6

Cerebellar atrophy in chronic schizophrenia [letter] Coffman JA, et al. **Lancet** 1981 Mar 21;1(8221):666

Cerebellar atrophy in schizophrenia and mania [letter] Nasrallah HA, et al. **Lancet** 1981 May 16;1(8229):1102

Dopamine receptors in post–mortem schizophrenic brains [letter] Seeman P. **Lancet** 1981 May 16;1(8229):1103

Sites of subcortical damage in diseases which resemble schizophrenia. Bowman M, et al. **Neuropsychologia** 1980; 18(4–5):597–601

A computed tomographic prolective trohoc study of chronic schizophrenics. Glück E, et al. **Neuroradiology** 1980 Dec; 20(4):167–71

Sulcal prominence in young chronic schizophrenic patients: CT scan findings associated with impairment on neuropsychological tests. Rieder RO, et al. **Psychiatry Res** 1979 Jul;1(1):1–8

[Morphology of the orbitofrontal cortex in persons schizophrenic psychotics. A Golgi and electron microscopy study] Senitz D, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Jan;33(1):1–9 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Slowing of scalp EEG after electrical stimulation of amygdala in man. Laitinen L, et al. **Acta Neurochir [Suppl] (Wien)** 1980;(30):177–81

Neurological changes in a population of patients with chronic schizophrenia and their relationship to physical treatment. Johnstone EC, et al. **Acta Psychiatr Scand [Suppl]** 1981; 63(291):103–10

Biologically active peptide–containing fractions in schizophrenia and childhood autism. Reichelt KL, et al. **Adv Biochem Psychopharmacol** 1981;28:627–43 (72 ref.)

Regional cerebral blood flow in schizophrenia: a preliminary report. Mathew RJ, et al. **Am J Psychiatry** 1981 Jan; 138(1):112–3

Acoustic analysis: an objective measure of affective flattening. Andreasen NC, et al. **Arch Gen Psychiatry** 1981 Mar;38(3):281–5

Eye–tracking patterns in schizophrenia. An analysis based on the incidence of saccades. Mialet JP, et al. **Arch Gen Psychiatry** 1981 Feb;38(2):183–6

Autonomic nervous system activity in acute schizophrenia: I. method and comparison with normal controls. Zahn TP, et al. **Arch Gen Psychiatry** 1981 Mar;38(3):251–8

Autonomic nervous system activity in acute schizophrenia: II. relationships to short-term prognosis and clinical state. Zahn TP, et al. **Arch Gen Psychiatry** 1981 Mar;38(3):260–6

Psychopathology and the electroencephalogram. Abrams R, et al. **Biol Psychiatry** 1980 Dec;15(6):871–8

Auditory brain stem and cortical evoked potentials in schizophrenia. Pfefferbaum A, et al. **Biol Psychiatry** 1980 Apr;15(2):209–23

Smooth pursuit pattern in schizophrenic patients during cognitive task. Tomer R, et al. **Biol Psychiatry** 1981 Feb; 16(2):131–44

Early auditory information processing in schizoplırenia: a preliminary report. Josiassen RC, et al. **Biol Psychol** 1980 May;10(3):225–34

Brain potential studies of psychopathology. Shagass C. **Compr Psychiatry** 1980 Nov–Dec;21(6):483–91

P3 reduction in auditory evoked potentials of schizophrenics. Roth WT, et al. **Electroencephalogr Clin Neurophysiol** 1980 Sep;49(5–6):497–505

Schizophrenia-like psychosis with paroxysmal abnormal EEG. Kameyama T, et al. **Folia Psychiatr Neurol Jpn** 1980; 34(3):333–4

A case of ichthyosis vulgalis associated with schizophrenia-like psychosis and spike-wave stupor. Mochizuki H, et al. **Folia Psychiatr Neurol Jpn** 1980; 34(3):392–3

Experimental study of functional specialization of the cerebral hemispheres in schizophrenia. Kaufman DA. **Hum Physiol** 1979 Nov–Dec;5(5):753–64

Superior speech comprehension in schizophrenics under monaural versus binaural listening conditions. Green P, et al. **J Abnorm Psychol** 1980 Jun;89(3):399–408

Relation between latency and redundancy-associated deficit in schizophrenic reaction time performance. Steffy RA, et al. **J Abnorm Psychol** 1980 Jun;89(3):419–27

Distal colon motility in schizophrenic patients. Lechin F, et al. **J Clin Pharmacol** 1980 Jul;20(7):459–64

Bilateral skin conductance, finger pulse volume, and EEG orienting response to tones of differing intensities in chronic schizophrenics and controls. Bernstein AS, et al. **J Nerv Ment Dis** 1981 Aug;169(8):513–28

Somatosensory evoked potentials and the psychology of chronic schizophrenia. An integrative view. Lehtonen J. **J Nerv Ment Dis** 1981 Apr;169(4):256–8

Schizophrenia and brain asymmetry an evaluation of evidence for dominant lobe dysfunction. Merrin EL. **J Nerv Ment Dis** 1981 Jul;169(7):405–16

A reinterpretation of findings on hemispheric dysfunction in schizophrenia. Walker E, et al. **J Nerv Ment Dis** 1981 Jun;169(6):378–80

Autonomous prolactin secretion in schizophrenic male on long-term neuroleptic therapy [letter] Semple CG, et al. **Lancet** 1981 Jul 11;2(8237):103

Hypothesis on illnesses depending on state transition in cooperative systems: relevance to cancer and schizophrenia. Galzigna L. **Med Hypotheses** 1980 Mar; 6(3):269–76

Active attention and the conditioned slow negative potential in schizophrenics. Briling EG. **Neurosci Behav Physiol** 1980 Jul-Aug;10(4):328–32

Effects of awareness and motor involvement on autonomic conditioning in chronic schizophrenics. Rist F, et al. **Pavlov J Biol Sci** 1981 Jan–Mar;16(1):8–17

Regional cerebral blood flow and psychopathology. Ingvar DH. **Proc Annu Meet Am Psychopathol Assoc** 1980; 69:73–80

Loudness judgments, evoked potentials, and reaction time to acoustic stimuli early and late in the cardiac cycle in chronic schizophrenics. Cohen R, et al. **Psychiatry Res** 1980 Sep;3(1):23–9

Analgesia to pain stimuli in schizophrenics and its reversal by naltrexone. Davis GC, et al. **Psychiatry Res** 1979 Jul; 1(1):61–9

Hemispheric dysfunction in schizophrenia: assessment by visual perception tasks. Eaton EM, et al. **Psychiatry Res** 1979 Dec;1(3):325–32

Differences in muscle activity before, during, and after responding in a simple reaction time task: schizophrenics vs. normals. Schneider RD, et al. **Psychiatry Res** 1979 Oct; 1(2):141–5

Autonomic effects of dextroamphetamine in normal men: implications for hyperactivity and schizophrenia. Zahn TP, et al. **Psychiatry Res** 1981 Feb;4(1):39–47

Reaction time facilitation in affective psychotic patients. Bruder G, et al. **Psychol Med** 1980 Aug;10(3):549–54

Descriptive studies of H-reflex recovery curves in psychiatric patients. Metz J, et al. **Psychol Med** 1980 Aug; 10(3):541–8

Hormones, dopamine receptors and schizophrenia. Meltzer HY, et al. **Psychoneuroendocrinology** 1981;6(1):17–36

Studies in right/left hemispheric energy oscillations in schizophrenia, mania, depression, and normals [proceedings] Flor-Henry P, et al. **Psychopharmacol Bull** 1980 Oct;16(4):52–3

[Current views in biological research on schizophrenia] Jørgensen A, et al. **Nord Med** 1980 Dec;95(12):306–9 **(Dan)**

[Eye tracking. Importance for analyzing attention problems in schizophrenics] Mialet JP, et al. **Ann Med Psychol (Paris)** 1980 Mar;138(3):325–35 **(Fre)**

[Physiopathology of endogenous psychoses] Tissot R. **Schweiz Arch Neurol Neurochir Psychiatr** 1979; 125(2):253–63 (Eng. Abstr.) **(Fre)**

[Study of visually evoked potentials in schizophrenic patients treated with sulpiride] Brosteanu ER, et al. **Arzneimittelforsch** 1980;30(8):1306–9 (Eng. Abstr.) **(Ger)**

[Features of the age dynamics and other disorders of cerebral electrical activity in child and adolescent schizophrenics] Leibovich FA. **Zh Nevropatol Psikhiatr** 1980; 80(10):1538–41 (Eng. Abstr.) **(Rus)**

[Reflection of stable dominant states in the EEG of schizophrenic and alcoholic patients] Sudakov KV, et al. **Zh Nevropatol Psikhiatr** 1980;80(9):1377–83 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Prevention of relapse of schizophrenia by social and pharmacological treatments. Leff JP. **Bibl Psychiatr** 1981; (160):15–21

REHABILITATION

Integrated rehabilitation in schizophrenia. Development of treatment methods and presentation of some results. Lindberg D, et al. **Acta Psychiatr Scand [Suppl]** 1981;63 Suppl 289:67–96

The use of ECT in the treatment of schizophrenia. Salzman C. **Am J Psychiatry** 1980 Sep;137(9):1032–41

The effect of self- vs. external-monitoring and locus of control upon the pacing and general adjustment of psychiatric inpatients. Rostow CD. **Behav Res Ther** 1980; 18(6):541–8

The disabilities of chronic schizophrenia [letter] Cheng LY, et al. **Br J Psychiatry** 1980 Aug;137:197

Outpatient groups for schizophrenia--ensuring attendance. Seeman MV. **Can J Psychiatry** 1981 Feb;26(1):32–7

Helping the family cope: workshops for families of schizophrenics. Zelitch SR. **Health Soc Work** 1980 Nov; 5(4):47–52

The new chronic patient and the system of community care. Caton CL. **Hosp Community Psychiatry** 1981 Jul; 32(7):475–8

Alternative to the back ward: the quarterway house. Gudeman JE, et al. **Hosp Community Psychiatry** 1981 May; 32(5):330–4

Hospital classes educate schizophrenics about their illness. Pilsecker C. **Hosp Community Psychiatry** 1981 Jan; 32(1):60–1

Different steps in schizophrenic patients' rehabilitation. Füredi J. **Int J Soc Psychiatry** 1981 Summer;27(2):93–7

Recent advances in understanding schizophrenia. Wing JK. **Int Rehabil Med** 1979;1(2):79–82 (25 ref.)

Hemodialysis for uremic schizophrenics: no psychiatric improvement. Hariprasad MK, et al. **J Clin Psychiatry** 1981 May;42(5):215–6

Prognostic validity of the MMPI. Glosz JT Jr, et al. **J Clin Psychol** 1981 Jan;37(1):147–51

Companion program by university students and behavioral change in female chronic schizophrenics. Oei TP, et al. **J Clin Psychol** 1981 Jan;37(1):96–100

Anxiety reduction in hospitalized schizophrenics through thermal biofeedback and relaxation training. Hawkins RC 2d, et al. **Percept Mot Skills** 1980 Oct;51(2):475–82

Effects of paraphrasing, modeling, and cues in facilitating self-referent affective statements by chronic schizophrenics. Citkowitz RD, et al. **Psychol Rep** 1980 Oct; 47(2):523–36

Relation of community mental health ideology and the community adaptation of formerly hospitalized individuals. D'Angelo EJ, et al. **Psychol Rep** 1980 Aug;47(1):39–43

Individual psychotherapy of schizophrenia. Benedetti G. **Schizophr Bull** 1980;6(4):633–8

Catamnestic long-term study on the course of life and aging of schizophrenics. Ciompi L. **Schizophr Bull** 1980; 6(4):606–18

Followup treatment and aftercare of discharged schizophrenic patients. Haase HJ. **Schizophr Bull** 1980; 6(4):619–26

Longitudinal studies of schizophrenic patients. Huber G, et al. **Schizophr Bull** 1980;6(4):592–605

Schizophrenia: research in the Nordic countries. Kringlen E. **Schizophr Bull** 1980;6(4):566–78

Schizophrenia in Europe: editor's introduction. Schulsinger F. **Schizophr Bull** 1980;6(4):555

Social psychiatry in the United Kingdom: the approach to schizophrenia. Wing JK. **Schizophr Bull** 1980;6(4):556–65

[Success in studies and course of illness in regard to schizophrenic students (author's transl)] Gestrich J, et al. **Arch Psychiatr Nervenkr** 1981;230(2):159–69 (Eng. Abstr.) **(Ger)**

[A treatment program, based on training of cognitive and communicative functions, in the rehabilitation of chronic schizophrenic patients (author's transl)] Brenner HD, et al. **Nervenarzt** 1980 Feb;51(2):106–12 **(Ger)**

[The 'interactional reality' of schizophrenics] Stierlin H. **Psyche (Stuttg)** 1981 Jan;35(1):49–65 (Eng. Abstr.) **(Ger)**

[Problems in the rehabilitation of chronic or frequently relapsing schizophrenic psychoses and their causes] Bach O, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1980 Oct; 32(10):603–10 (Eng. Abstr.) **(Ger)**

[Social development in schizophrenics (results of a data analysis from a rehabilitation questionnaire)] Grunewald U, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Jan; 33(1):39–47 (Eng. Abstr.) **(Ger)**

[Social group work with relatives of mental patients (parents of schizophrenic adolescents (author's transl)] Döhner O, et al. **Psychother Psychosom Med Psychol** 1981 May; 31(3):70–3 (Eng. Abstr.) **(Ger)**

[Experiences in establishing a skill-training programme for schizophrenic inpatients (author's transl)] Möller HJ, et al. **Psychother Psychosom Med Psychol** 1981 May;31(3):74–82 (Eng. Abstr.) **(Ger)**

[On the 'conjoint family therapy' in hospitalized schizophrenics (author's transl)] Seywert F. **Psychother Psychosom Med Psychol** 1981 May;31(3):67–9 (Eng. Abstr.) **(Ger)**

[Developments in psychotherapy of schizophrenia] Benedetti G. **Schweiz Arch Neurol Neurochir Psychiatr** 1981; 128(2):239–49 (Eng. Abstr.) **(Ger)**

[Free improvisation as an unequivocal communications possibility for schizophrenic patients] Kneutgen J. **Ther Ggw** 1980 Sep;119(9):1025–46 **(Ger)**

[Rehabilitation potentials and limits with schizophrenic patients] Müller K, et al. **Z Gesamte Hyg** 1981;27(2):156–8 **(Ger)**

[Rehabilitation of schizophrenic patients through community mental health activities] Miyagoshi T, et al. **Seishin Shinkeigaku Zasshi** 1980;82(10):636–42 **(Jpn)**

[Use of our model of rehabilitation in chronic schizophrenia] Sobczyk P, et al. **Psychiatr Pol** 1980 Nov–Dec;14(6):587–93 (Eng. Abstr.) **(Pol)**

[Evaluation of the recuperability of schizophrenic patients based on serial use of IPSS questionnaires] Sîrbu A, et al. **Rev Med Interna [Neurol Psihiatr]** 1981 Jan–Mar; 26(1):43–52 **(Rum)**

[Psychological methodologic procedures for detecting and evaluating the work orientation of schizophrenic patients] Boldyreva OI. **Zh Nevropatol Psikhiatr** 1980; 80(12):1827–32 (Eng. Abstr.) **(Rus)**

[Prevention of rehospitalization of schizophrenic patients with a protracted course at the stage of industrial rehabilitation] Krasik ED, et al. **Zh Nevropatol Psikhiatr** 1981;(5):724–9 (Eng. Abstr.) **(Rus)**

SURGERY

The long-term effects of prefrontal leukotomy. Benson DF, et al. **Arch Neurol** 1981 Mar;38(3):165–9

Frontal leukotomy size and hemispheric asymmetries on computerized tomographic scans of schizophrenics with variable recovery. Northampton Veterans Administration study. Naeser MA, et al. **Arch Neurol** 1981 Jan;38(1):30–7

[Current status of psychosurgical treatment of schizophrenia] Nedelcu A. **Rev Med Interna [Neurol Psihiatr]** 1980 Apr-Jun;24(2):127–30 **(Rum)**

THERAPY

Personality changes in chronic schizophrenic patients during five years' treatment with intensive psychotherapy in combination with depot neuroleptics I. Analysis of changes as measured by the Holtzman Inkblot Technique. Lindberg D. **Acta Psychiatr Scand [Suppl]** 1981;63 Suppl 289:27–55

A controlled study of 5 years' treatment with psychotherapy in combination with depot neuroleptics in schizophrenia. II. Personality changes measured by ten selected Rorschach variables. Lindberg D. **Acta Psychiatr Scand [Suppl]** 1981; 63 Suppl 289:56–66

Some practical points concerning psychotherapy in the integrated treatment programme during the first 3 months in hospital. Comments on the three detailed descriptions of psychotherapy with schizophrenics. Lindberg D. **Acta Psychiatr Scand [Suppl]** 1981;63 Suppl 289:97–112

Management of schizophrenia. Long-term clinical studies with special reference to the combination of psychotherapy with depot neuroleptics. Lindberg D. **Acta Psychiatr Scand [Suppl]** 1981;63 Suppl 289:1–26

Advances in neuropsychiatric treatment [editorial] Smythies JR. **Ala J Med Sci** 1980 Apr;17(2):119

Overview: deinstitutionalization of psychiatric patients, a critical review of outcome studies. Braun P, et al. **Am J Psychiatry** 1981 Jun;138(6):736–49 (44 ref.)

Methodologic standards for treatment outcome research in schizophrenia. Carpenter WT Jr, et al. **Am J Psychiatry** 1981 Apr;138(4):465–71

Dialysis of schizophrenic patients: a double-blind study. Diaz-Buxo JA, et al. **Am J Psychiatry** 1980 Oct; 137(10):1220–2

Family influence in the recruitment of schizophrenic research subjects. Ketai R, et al. **Am J Psychiatry** 1981 Mar; 138(3):351–4

Does attitude toward psychosis relate to outcome? McGlashan TH, et al. **Am J Psychiatry** 1981 Jun; 138(6):797–801

Dialysis for schizophrenia: an uncontrolled study of 11 patients. Scheiber SC, et al. **Am J Psychiatry** 1981 May; 138(5):662–5

ECT and schizophrenia in Great Britain [letter] Taylor P. **Am J Psychiatry** 1981 Feb;138(2):259–60

Psychotherapy of schizophrenia: new or revised procedures. Arieti S. **Am J Psychother** 1980 Oct;34(4):464–76

Schizophrenia. A follow-up study of the results of five forms of treatment. May PR, et al. **Arch Gen Psychiatry** 1981 Jul;38(7):776–84

Hemodialysis in schizophrenia. Results in three chronic cases. Fischler M, et al. **Arch Psychiatr Nervenkr** 1979;

227(3):207-12

Dialysis treatment in schizophrenia: two years experience. Splendiani G, et al. **Artif Organs** 1981 May;5(2):175-7

Understanding schizophrenics. Fraser IG. **Br Med J [Clin Res]** 1981 Apr 25;282(6273):1377

First Western medical student to study in China? Howells RB. **Br Med J [Clin Res]** 1981 Jan 3;282(6257):57-8

Long-term treatment of schizophrenia. Freeman HL. **Compr Psychiatry** 1981 Jan-Feb;22(1):94-102

Family therapy of schizophrenics with high risk of relapse. Falloon IR, et al. **Fam Process** 1981 Jun;20(2):211-21

With onions and tears: a multidimensional analysis of a counter-ritual. Levick SE, et al. **Fam Process** 1981 Mar; 20(1):77-83

Use of inpatient seclusion at a community mental health center. Convertino K, et al. **Hosp Community Psychiatry** 1980 Dec;31(12):848-50

The community mental health center: does it treat patients? Langsley DG. **Hosp Community Psychiatry** 1980 Dec; 31(12):815-9

Using a schiz-anon group in the treatment of chronic ambulatory schizophrenics. Shenoy RS, et al. **Hosp Community Psychiatry** 1981 Jun;32(6):421-2

Hemodialysis and schizophrenia [letter] Splendiani G. **Int J Artif Organs** 1981 Jan;4(1):49

On the nature of schizophrenic conflict. Ogden TH. **Int J Psychoanal** 1980;61(Pt 4):513-33

Community residential treatment for schizophrenia: two-year follow-up. Mosher LR. **Int J Rehabil Res** 1980;3(3):393-5

Case report: using attribution theory to limit need for neuroleptic medicine. Kriebel GW Jr, et al. **J Am Coll Health Assoc** 1980 Oct;29(2):67-8

Hemoperfusion for chronic schizophrenia: preliminary psychiatric results. Kinney MJ, et al. **J Clin Psychiatry** 1981 Apr;42(4):175-7

The management of chronic schizophrenia. Scher M, et al. **J Fam Pract** 1980 Sep;11(3):407-13

Pipothiazine palmitate in the long-term treatment of schizophrenia. Aref MA, et al. **J Int Med Res** 1980; 8(4):293-4

Hemodialysis in schizophrenia: psychiatric aspects of treatment failure in a pilot study. Rorsman B, et al. **Neuropsychobiology** 1981;7(3):127-36

A comparison of two different services treating schizophrenia: a cost-benefit approach. Jones R, et al. **Psychol Med** 1980 Aug;10(3):493-505

Dialysis in schizophrenia: a double-blind evaluation. Schulz SC, et al. **Science** 1981 Mar 6;211(4486):1066-8

[Preliminary study on the effects of short-term hospitalization in 379 cases of schizophrenia] Liu JQ. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1980 Apr; 13(4):197-9 **(Chi)**

[Hemodialysis and schizophrenia] Bourgeois M, et al. **Ann Med Psychol (Paris)** 1980 Mar;138(3):353-9 **(Fre)**

[Haemodialysis and schizophrenia (author's transl)] Bourgeois M. **Encephale** 1980;6(4):367-70 **(Fre)**

[Continuous ambulatory peritoneal dialysis in schizophrenia. Experimentation in 3 cases] Sichel JP, et al. **Encephale** 1981; 7(2):129-42 (Eng. Abstr.) **(Fre)**

[Relation of pharmacotherapy, regulation of life situations and analytically-oriented psychotherapy in schizophrenic psychoses under the conditions of an ambulatory psychiatric practice] Schmidt P. **Agressologie** 1980; 21(A):27-9 (Eng. Abstr.) **(Ger)**

[Schizophrenic psychoses. Ambulatory after-care and prevention of recurrence] Müller P. **Fortschr Med** 1980 Aug 21;98(30-31):1153-8 **(Ger)**

[Hemodialysis in patients with chronic schizophrenia (author's transl)] Kissling W, et al. **Fortschr Neurol Psychiatr** 1980 Jul;48(7):393-400 (Eng. Abstr.) **(Ger)**

[Blood purification of chronic schizophrenic patients. Results of an 'open' study (author's transl)] Nedopil N, et al. **Nervenarzt** 1980 Feb;51(2):123-7 **(Ger)**

[Individual and family therapy of schizophrenic psychoses (author's transl)] Schwarz F. **Nervenarzt** 1980 Nov; 51(11):644-53 **(Ger)**

[Chronicity or chronification among our schizophrenics] Bleuler M. **Schweiz Arch Neurol Neurochir Psychiatr** 1980; 126(2):245-53 (Eng. Abstr.) **(Ger)**

[First hospitalization in schizophrenia: duration of the illness and conditions prior to hospital admission] Gerard K. **Psychiatr Pol** 1980 Sep-Oct;14(5):505-12 (Eng. Abstr.) **(Pol)**

[Analysis of selected data concerning patients first hospitalized for schizophrenia between 1971 and 1975 in the city and the province of Lublin (author's transl)] Majczak A, et al. **Psychiatr Pol** 1981 Jan-Feb;15(1):17-22 (Eng. Abstr.) **(Pol)**

[Attempt at treatment of schizophrenia with hemodialysis] Twardowska H. **Psychiatr Pol** 1980 Jul-Aug;14(4):409-12 **(Pol)**

[Pathomorphosis of mental disorders after hemosorption treatment] Morozov GV, et al. **Sov Med** 1981;(1):74-9 **(Rus)**

[Experience with psychotherapeutic work with schizophrenics in an adolescent psychotherapy department] Drapkin BZ. **Zh Nevropatol Psikhiatr** 1980;80(10):1548-51 (Eng. Abstr.) **(Rus)**

[Epidemiologic aspects of the first hospitalization of schizophrenics] Krasik ED, et al. **Zh Nevropatol Psikhiatr** 1980;80(9):1354-9 (Eng. Abstr.) **(Rus)**

[Experience with using atropine in comatose and non-comatose doses in psychiatric clinical practice] Shpilenia LS. **Zh Nevropatol Psikhiatr** 1981;81(4):581-5 (Eng. Abstr.) **(Rus)**

URINE

A longitudinal study of urinary excretion of N,N,-dimethyltryptamine in psychotic patients. Checkley SA, et al. **Br J Psychiatry** 1980 Sep;137:236-9

Urine concentration of 3-ethyl-5-hydroxy-4,5-dimethyl-delta 3-pyrrolin-2-one ('mauve factor') is not causally related to schizophrenia or to acute intermittent porphyria. Gorchein A. **Clin Sci** 1980 Jun;58(6):469-76

Urinary free cortisol excretion in endogenously depressed and schizophrenic patients. Diebold K, et al. **Psychiatr Clin (Basel)** 1981;14(1):43-8

[Effect of a test with 0.1 g of L-DOPA on the dynamics of urinary excretion of catecholamines and DOPA in schizophrenic patients] Vasil'ev VN. **Vopr Med Khim** 1980 Nov-Dec;26(6):782-6 (Eng. Abstr.) **(Rus)**

SCHIZOPHRENIA, BORDERLINE see **SCHIZOTYPAL PERSONALITY DISORDER**

SCHIZOPHRENIA, CATATONIC

COMPLICATIONS

[Catatonic hyperthermia. A contribution to the classification of central hyperthermia (author's transl)] Kick H. **Nervenarzt** 1981 Jan;52(1):51-5 **(Ger)**

DRUG THERAPY

Synergism of combined lithium-neuroleptic therapy: a double-blind, placebo-controlled case study. Bigelow LB, et al. **Am J Psychiatry** 1981 Jan;138(1):81-3

NURSING

The miracle of caring. Dormer AB. **J Psychiatr Nurs** 1980 Aug;18(8):21-4

SCHIZOPHRENIA, CHILDHOOD

DIAGNOSIS

[Differential diagnosis of schizophrenias in children and adolescents] Friedrich MH, et al. **Acta Paedopsychiatr (Basel)** 1980 Sep;46(1-2):21-30 (Eng. Abstr.) **(Ger)**

[Course and prognosis of childhood schizophrenia in the light of follow-up information] Bashina VM. **Zh Nevropatol Psikhiatr** 1980;80(10):1507-10 (Eng. Abstr.) **(Rus)**

[Current and unresolved problems in the differential diagnosis of schizophrenia and borderline states in childhood] Kovalev VV. **Zh Nevropatol Psikhiatr** 1980;80(10):1503-6 (Eng. Abstr.) **(Rus)**

[Clinical features of one variant of seizure-like schizophrenia in children] Lavrent'ev PIu. **Zh Nevropatol Psikhiatr** 1980; 80(10):1528-32 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Effects of thioridazine on the cognitive functioning of a hypotonic schizophrenic boy. Inayatulla M, et al. **Am J Psychiatry** 1980 Nov;137(11):1459-60

ETIOLOGY

[The influence of limbic dysfunctions on the aetiology of childhood psychoses (author's transl)] Eggers C. **Fortschr Neurol Psychiatr** 1981 Mar;49(3):101-8 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

[Study of the family background of patients with seizure-like childhood schizophrenia] Kozlova IA. **Zh Nevropatol Psikhiatr** 1980;80(10):1520-3 (Eng. Abstr.) **(Rus)**

OCCURRENCE

[Experience with epidemiologic studies of schizophrenia in children] Kozlovskaia GV. **Zh Nevropatol Psikhiatr** 1980; 80(10):1536-40 (Eng. Abstr.) **(Rus)**

[Experience with epidemiologic studies of childhood schizophrenia] Shmaonova LM, et al. **Zh Nevropatol Psikhiatr** 1980;80(10):1514-20 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Visuo-motor dissociation in severely disturbed children: a study of Bender-Gestalt Test performance. Cobrinik L. **Acta Paedopsychiatr (Basel)** 1980 Jun;45(6):353-63

Morality of schizophrenic adolescents. Benson AL. **J Abnorm Psychol** 1980 Oct;89(5):674-7

Emotion recognition in disturbed and normal children: a research note. Walker E. **J Child Psychol Psychiatry** 1981 Jul;22(3):263-8

REHABILITATION

[Treatment of childhood schizophrenia] Manzi Astudillo J, et al. **Rev Chil Pediatr** 1980 Jul-Aug;51(4):281-4 **(Spa)**

SCHIZOPHRENIA, DISORGANIZED

BLOOD

ABO blood group distribution in hebephrenic and paranoid schizophrenics. Preliminary data. Maj M, et al. **Acta Neurol (Napoli)** 1980 Oct;35(5):394-8

DRUG THERAPY

[Amineptine and amotival syndrome (author's transl)] Deniker P, et al. **Encephale** 1981;7(1):59-64 (Eng. Abstr.) **(Fre)**

PSYCHOLOGY

The moral judgment and world view of cycloid psychotic and hebephrenic patients. Gerevich J, et al. **Act Nerv Super (Praha)** 1979 Jul;Suppl 2:382-3

Catamnestic studies of cyclophrenic and hebephrenic patients. Pethö B, et al. **Act Nerv Super (Praha)** 1979 Jul; Suppl 2:379-80

Cognitive, affective and psychometric study of personality in schizo-affective and hebephrenic patients. Zöld B, et al. **Act Nerv Super (Praha)** 1979 Jul;Suppl 2:384

Aspects of cognitive activity in schizophrenia. Tissot R, et al. **Psychol Med** 1980 Nov;10(4):657-63

THERAPY

Theory and practice of image art psychotherapy. Tokuda Y. **Confin Psychiatr** 1980;23(4):193-208

SCHIZOPHRENIA, HEBEPHRENIC see **SCHIZOPHRENIA, DISORGANIZED**

SCHIZOPHRENIA, LATENT see **SCHIZOTYPAL PERSONALITY DISORDER**

SCHIZOPHRENIA, PARANOID

BLOOD

ABO blood group distribution in hebephrenic and paranoid schizophrenics. Preliminary data. Maj M, et al. **Acta Neurol (Napoli)** 1980 Oct;35(5):394-8

CHEMICALLY INDUCED

Amphetamine models of paranoid schizophrenia: an overview and elaboration of animal experimentation. Kokkinidis L, et al. **Psychol Bull** 1980 Nov;88(3):551-79 (252 ref.)

COMPLICATIONS

Further thoughts on self-induced water intoxication [letter] **Am J Psychiatry** 1981 Mar;138(3):392-4

Corneal injury by a Thorazine Spansule. Eichenbaum JW, et al. **Ann Ophthalmol** 1981 Feb;13(2):199-200

Depression in chronic paranoid schizophrenia. Roy A. **Br J Psychiatry** 1980 Aug;137:138-9

Multiple neuromuscular abnormalities in a paranoid schizophrenic. Ross-Stanton J, et al. **Psychiatry Res** 1980 Sep;3(1):53-67

DIAGNOSIS

The distinction between paranoid and non-paranoid forms of schizophrenia. Berkowitz R. **Br J Clin Psychol** 1981 Feb;20(Pt 1):15-23

Excessive yielding to normal biases is not a distinctive sign of schizophrenia. Naficy A, et al. **J Abnorm Psychol** 1980 Dec;89(6):697-703

[An interpretation deduced from word field disturbances and sentence disturbances in schizophrenia: a psychological study] Krebs W, et al. **Psychiatr Clin (Basel)** 1979; 12(4):191-201 (Eng. Abstr.) **(Ger)**

[Word field disturbances and sentence field disturbances as differential diagnosis criteria between endogenous and exogenous paranoid-hallucination syndrome] Marneros A, et al. **Psychiatr Clin (Basel)** 1979;12(4):180-90 (Eng. Abstr.) **(Ger)**

[Crime as the 1st symptom of schizophrenia. Psychopathological analysis] Kelemen J, et al. **Morphol Igazsagugyi Orv Sz** 1980 Jan;20(1):49-53 (Eng. Abstr.) **(Hun)**

[Constitutional-somatotopic factors in the clinical picture of alcoholic psychoses and obvious signs of paranoid schizophrenia] Kornetov NA, et al. **Zh Nevropatol Psikhiatr** 1980;80(9):1338-43 (Eng. Abstr.) **(Rus)**

[Results of a clinico-statistical study of the course of unremitting paranoid schizophrenia] Rotshtein VG, et al. **Zh Nevropatol Psikhiatr** 1981;81(1):81-8 (Eng. Abstr.) **(Rus)**

[Variety in the course and prognostic criteria for paranoid schizophrenia with onset in adolescence and young adulthood according to late follow-up] Tsutsul'kovskii MIa, et al. **Zh Nevropatol Psikhiatr** 1981;81(1):89-98 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Treatment of therapeutically resistant paranoid schizophrenic patients with Moditen-depot combined with other psychotropic drugs and Leponex] Gamburg AL., et al. **Zh Nevropatol Psikhiatr** 1980;80(8):1211–6 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Paranoid schizophrenia and platelet MAO activity. Baron M, et al. **Am J Psychiatry** 1980 Nov;137(11):1465–6

HISTORY

[The acute psychosis of the painter Lajos Gulácsy (discussion of the problem of acute insanity)] Gerevich J. **Orv Hetil** 1981 May 3;122(18):1083–6 **(Hun)**

PHYSIOPATHOLOGY

[Dynamics of evoked potentials during the course of progressive schizophrenia] Kirpichenko AA, et al. **Zh Nevropatol Psikhiatr** 1980;80(5):716–9 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Information processing dysfunction in paranoid schizophrenia: a two-factor deficit. Braff DL, et al. **Am J Psychiatry** 1981 Aug;138(8):1051–6

Cannibalism and vampirism in paranoid schizophrenia. Benezech M, et al. **J Clin Psychiatry** 1981 Jul;42(7):290

Command Hallucinations and self-amputation of the penis and hand during a first psychotic break. Hall DC, et al. **J Clin Psychiatry** 1981 Aug;42(8):322–4

Fluid and rigid boundaries of paranoid and nonparanoid schizophrenics on a role-playing task. Johnson D, et al. **J Pers Assess** 1980 Oct;44(5):523–31

Aspects of cognitive activity in schizophrenia. Tissot R, et al. **Psychol Med** 1980 Nov;10(4):657–63

Studies in inhibition and maternal control. Primac DW. **Psychol Rep** 1980 Dec;47(3 Pt 1):907–39

[An experimental psychological study on paranoid schizophrenia with different clinical features (author's transl)] Zhang BY. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1980 Feb; 13(2):102–4 **(Chi)**

[Ingratiatory behaviour in paranoid schizophrenics (author's transl)] Różycka J, et al. **Psychiatr Pol** 1981 Jan-Feb; 15(1):23–7 (Eng. Abstr.) **(Pol)**

SCHIZOPHRENIA, PSEUDONEUROTIC see **SCHIZOTYPAL PERSONALITY DISORDER**

SCHIZOPHRENIC DISORDERS see **SCHIZOPHRENIA**

SCHIZOPHRENIC LANGUAGE

Psychopathology and language behavior in schizophrenics. Angermeyer MC, et al. **Arch Psychiatr Nervenkr** 1980; 228(2):151–60

Schizophrenic thought disorders and impaired perspective. Harrow M, et al. **J Abnorm Psychol** 1980 Dec;89(6):717–27

Comparison of adult schizophrenics with matched normal native speakers of English as to 'acceptability' of English sentences. Miller WK, et al. **J Psycholinguist Res** 1980 Nov; 9(6):579–93

Cloze procedure and written language in schizophrenia. Manschreck TC, et al. **Lang Speech** 1980;23(Pt 4):323–8

Can the psychiatrist learn from the psycholinguist? Detecting coherence in the disordered speech of manics and schizophrenics. Wykes T. **Psychol Med** 1981 Aug; 11(3):641–2

Language and schizophrenia. Wykes T. **Psychol Med** 1980 Aug;10(3):403–6 (40 ref.)

[An interpretation deduced from word field disturbances and sentence disturbances in schizophrenia: a psychological study] Krebs W, et al. **Psychiatr Clin (Basel)** 1979; 12(4):191–201 (Eng. Abstr.) **(Ger)**

[Word field disturbances and sentence field disturbances as differential diagnosis criteria between endogenous and exogenous paranoid-hallucination syndrome] Marneros A, et al. **Psychiatr Clin (Basel)** 1979;12(4):180–90 (Eng. Abstr.) **(Ger)**

[Neologisms. Communication or noncommunication] Fagiani MB. **Minerva Psichiatr** 1980 Jul-Sep;21(3):327–35 (Eng. Abstr.) **(Ita)**

[Predispositional and 'process' factors in the pathology of cognitive activity in schizophrenia] Kritskaia VP, et al. **Zh Nevropatol Psikhiatr** 1980;80(12):1832–7 (Eng. Abstr.) **(Rus)**

SCHIZOPHRENIC PSYCHOLOGY

Sleep, psychophysiological functioning and learning processes in schizophrenia. Cazzullo CL, et al. **Act Nerv Super (Praha)** 1979 Jul;Suppl 2:409–17

Sleep and higher nervous activity: an experimental approach in psychiatric patients. Cazzullo CL, et al. **Act Nerv Super (Praha)** 1979 Jul;Suppl 2:369

Changes of associative performance in hospitalized schizophrenics: a 16-year follow up. Flekkøy K. **Act Nerv Super (Praha)** 1979 Jul;Suppl 2:372–3

The moral judgment and world view of cycloid psychotic and hebephrenic patients. Gerevich J, et al. **Act Nerv Super (Praha)** 1979 Jul;Suppl 2:382–3

On mechanisms of depersonalization disorders in schizophrenia. Meerson YA, et al. **Act Nerv Super (Praha)** 1979 Jul;Suppl 2:367–8

Neurophysiological aspects and learning processes in schizophrenic patients. Penati G, et al. **Act Nerv Super (Praha)** 1979 Jul;Suppl 2:418–25

Mental defect and chronic schizophrenia: differential psychophysiological and learning patterns. Penati G, et al. **Act Nerv Super (Praha)** 1979 Jul;Suppl 2:371

Catamnestic studies of cyclophrenic and hebephrenic patients. Pethö B, et al. **Act Nerv Super (Praha)** 1979 Jul; Suppl 2:379–80

Schizophrenic behavior as a result of control by immediate stimuli. Salzinger K. **Act Nerv Super (Praha)** 1979 Jul;Suppl 2:368–9

Pregnancy and delivery complications in the births of an unselected series of Finnish children with schizophrenic mothers. Wrede G, et al. **Acta Psychiatr Scand** 1980 Oct; 62(4):369–81

Schizophrenia, a chronic disease. Wistedt B. **Acta Psychiatr Scand [Suppl]** 1981;63(291):9–19

Gender role and family relationships in adolescent children of chronic schizophrenic mothers: findings from a longitudinal study of whole families. Callagan AR. **Am J Orthopsychiatry** 1981 Jul;51(3):521–35

A preliminary study of the personality of the nightmare sufferer: relationship to schizophrenia and creativity? Hartmann E, et al. **Am J Psychiatry** 1981 Jun;138(6):794–7

Motoric lateralization in schizophrenic males. Nasrallah HA, et al. **Am J Psychiatry** 1981 Aug;138(8):1114–5

Erotomania: a separate entity. Rudden M, et al. **Am J Psychiatry** 1980 Oct;137(10):1262–3

Self-induced water intoxication in schizophrenic patients. Smith WO, et al. **Am J Psychiatry** 1980 Sep;137(9):1055–60

Predictors of self-mutilation in patients with schizophrenia. Sweeny S, et al. **Am J Psychiatry** 1981 Aug;138(8):1086–9

Misidentification of a city: delimiting criteria for Capgras syndrome. Thompson MI, et al. **Am J Psychiatry** 1980 Oct; 137(10):1270–2

Poor premorbid adjustment and CT scan abnormalities in chronic schizophrenia. Weinberger DR, et al. **Am J Psychiatry** 1980 Nov;137(11):1410–3

Parental communication deviance and affective style. Predictors of subsequent schizophrenia spectrum disorders in vulnerable adolescents. Doane JA, et al. **Arch Gen Psychiatry** 1981 Jun;38(6):679–85

Early information processing deficit in schizophrenia. New findings using schizophrenic subgroups and manic control subjects. Saccuzzo DP, et al. **Arch Gen Psychiatry** 1981 Feb;38(2):175–9

Subjective response to antipsychotic drugs. Van Putten T, et al. **Arch Gen Psychiatry** 1981 Feb;38(2):187–90

Psychopathology and language behavior in schizophrenics. Angermeyer MC, et al. **Arch Psychiatr Nervenkr** 1980; 228(2):151–60

Lateralized deficits and drug influences on the dichotic listening of schizophrenic patients. Gruzelier JH, et al. **Biol Psychiatry** 1980 Oct;15(5):759–79

Pursuit eye movements in psychopathology: effects of target characteristics. Levin S, et al. **Biol Psychiatry** 1981 Mar; 16(3):255–67

Hemispheric asymmetries in schizophrenia. Newlin DB, et al. **Biol Psychiatry** 1981 Jun;16(6):561–82

Disrupted latent inhibition in the rat with chronic amphetamine or haloperidol-induced supersensitivity: relationship to schizophrenic attention disorder. Solomon PR, et al. **Biol Psychiatry** 1981 Jun;16(6):519–37

Conditional probabilities and the grid test for schizophrenic thought disorder. Allon R, et al. **Br J Clin Psychol** 1981 Feb;20(Pt 1):57–66

The distinction between paranoid and non-paranoid forms of schizophrenia. Berkowitz R. **Br J Clin Psychol** 1981 Feb;20(Pt 1):15–23

Base-line muscle tensions and motoric responding of schizophrenics. Weiner H. **Br J Clin Psychol** 1981 Feb; 20(Pt 1):25–33

The lateralization of symptoms in schizophrenia. Taylor P, et al. **Br J Med Psychol** 1981 Mar;54(Pt 1):59–65

Perceptual deficit in schizophrenia: a defect in redundancy utilization, filtering or scanning? Caudrey DJ, et al. **Br J Psychiatry** 1980 Oct;137:352–60

Active and passive avoidance learning in controls and schizophrenic patients on racemic propranolol and neuroleptics. Gruzelier J, et al. **Br J Psychiatry** 1980 Aug; 137:131–7

Affect and verbal-nonverbal discrepancy in schizophrenic and non-schizophrenic family communication. Hall JA, et al. **Br J Psychiatry** 1980 Jul;137:78–92

Contextual constraint and the recall of verbal material in schizophrenia: the effect of thought disorder. Maher BA, et al. **Br J Psychiatry** 1980 Jul;137:69–73

Schizophrenia: the effect of telling the patient and relatives [letter] Nehama VS. **Br J Psychiatry** 1980 Aug;137:197–8

Predictive accuracy and clinical utility of the Grid Test of Schizophrenic Thought Disorder [letter] Waugh MH. **Br J Psychiatry** 1980 Sep;137:300

Psychophysiological differentiation between psychopathic and schizophrenic abnormal offenders. Hinton J, et al. **Br J Soc Clin Psychol** 1980 Sep;19(3):257–69

Development of a picture-preference measure of thought disorder. Rudzinski D, et al. **Br J Soc Clin Psychol** 1980 Nov;19(Pt 4):369–76

Social environment and relapse in schizophrenia [letter] Kinston W. **Br Med J** 1980 Aug 23;281(6239):565

Understanding schizophrenics. Fraser IG. **Br Med J [Clin Res]** 1981 Apr 25;282(6273):1377

Man's spirituality and potential for creativity as revealed in mental illness. Arieti S. **Compr Psychiatry** 1980 Nov-Dec; 21(6):436–43

Modifications in the psychopathologic definition of schizophrenia--alterations during the last two decades: expectations for the future. Berner P. **Compr Psychiatry** 1980 Nov-Dec;21(6):475–82

Schizophrenia and familial communication: a brief note on follow-up studies and replications. Blakar RM. **Fam Process** 1981 Mar;20(1):109–12

Epileptic psychosis: its clinical features. Sekine Y, et al. **Folia Psychiatr Neurol Jpn** 1980;34(3):336–7

Minnesota Multiphasic Personality Inventory correlates of the Luria-Nebraska Neuropsychological Battery in a psychiatric population. Erlandson GL, et al. **Int J Neurosci** 1981;13(2-3):143–54

The relationship between neuropsychological deficit and MMPI profile in chronic schizophrenics. Osmon DC, et al. **Int J Neurosci** 1981;13(2–3):67–74

Memory for prose in Korsakoff and schizophrenic populations. Rubin DC, et al. **Int J Neurosci** 1981; 13(2–3):81–5

Further exploration of the schizophrenic regression to the undifferentiated state. A study of the 'assessment of the unconscious'. Katan M. **Int J Psychoanal** 1979;60(Pt 2):145–75

On the nature of schizophrenic conflict. Ogden TH. **Int J Psychoanal** 1980;61(Pt 4):513–33

The psychopathology of feeling and thinking in a schizophrenic. Rosser R. **Int J Psychoanal** 1979;60(Pt 2):177–8

Developmental patterns of aggressive and withdrawn behavior in childhood: a possible method for identifying preschizophrenics. Ledingham JE. **J Abnorm Child Psychol** 1981 Mar;9(1):1–22

Information processing for masked and unmasked stimuli in schizophrenia and old age. Brody D, et al. **J Abnorm Psychol** 1980 Oct;89(5):617–22

Effects of environmental relocation on members of a psychiatric therapeutic community. Demick J, et al. **J Abnorm Psychol** 1980 Jun;89(3):444–52

Schizophrenic thought disorders and impaired perspective. Harrow M, et al. **J Abnorm Psychol** 1980 Dec;89(6):717–27

Distractibility in children vulnerable to psychopathology. Harvey P, et al. **J Abnorm Psychol** 1981 Aug;90(4):298–304

Impaired recognition of self-expressed thought in patients with auditory hallucinations. Heilbrun AB Jr. **J Abnorm Psychol** 1980 Dec;89(6):728–36

Creativity and schizophrenia: an equivalence of cognitive processing. Keefe JA, et al. **J Abnorm Psychol** 1980 Jun; 89(3):390–8

Integration of visual patterns in schizophrenics. Knight RA, et al. **J Abnorm Psychol** 1980 Oct;89(5):623–34

Deficient motor synchrony in schizophrenia. Manschreck TC, et al. **J Abnorm Psychol** 1981 Aug;90(4):321–8

Contextual effects on the short-term memory retrieval of schizophrenic young adults. Marusarz TZ, et al. **J Abnorm Psychol** 1980 Dec;89(6):683–96

Excessive yielding to normal biases is not a distinctive sign of schizophrenia. Naficy A, et al. **J Abnorm Psychol** 1980 Dec;89(6):697–703

Perceptual organization in schizophrenia. Place EJ, et al. **J Abnorm Psychol** 1980 Jun;89(3):409–18

Backward masking as a measure of slow processing in schizophrenia spectrum disorders. Saccuzzo DP, et al. **J Abnorm Psychol** 1981 Aug;90(4):305–12

Encoding processes and memory for categorically related words by schizophrenic patients. Traupmann KL. **J Abnorm Psychol** 1980 Dec;89(6):704–16

Environmental factors related to schizophrenia in psychophysiologically labile high-risk males. Walker E, et al. **J Abnorm Psychol** 1981 Aug;90(4):313–20

A cross-sectional study of emotion recognition in schizophrenics. Walker E, et al. **J Abnorm Psychol** 1980 Jun;89(3):428–36

The intelligence of children and their parents with schizophrenia and affective illness. Worland J, et al. **J Child Psychol Psychiatry** 1980 Jul;21(3):191–201

A case of total gaze avoidance [letter] Grumet GW. **J Clin Psychiatry** 1981 Jun;42(6):255

Hemoperfusion for chronic schizophrenia: preliminary psychiatric results. Kinney MJ, et al. **J Clin Psychiatry** 1981 Apr;42(4):175–7

The validity of the Whitaker Index of Schizophrenic Thinking. Knight RA, et al. **J Clin Psychol** 1980 Jul; 36(3):632–9

Discriminative dimensions of the MMPI as a function of age and psychopathology. Miller TW, et al. **J Clin Psychol** 1980 Jul;36(3):758–62

Age and MMPI indices of schizophrenia. Newmark CS, et al. **J Clin Psychol** 1980 Jul;36(3):768–9

Chapman's versus Broen and Storms' theory of schizophrenic thought disorder: an empirical comparison. Paulman R, et al. **J Clin Psychol** 1980 Oct;36(4):844–52

Memory scanning in a visual search task by schizophrenics and normals. Pharr DR, et al. **J Clin Psychol** 1980 Jul;

36(3):625–31
Schizophrenic, alcoholic, felon and management factor compositions of social status. Pishkin V, et al. **J Clin Psychol** 1981 Apr;37(2):235–8
Social factors ion schizophrenic, alcoholic, executive and prison populations. Pishkin V, et al. **J Clin Psychol** 1981 Apr;37(2):239–46
Differentiation of schizophrenics with and without brain damage using the Whitaker Index of Schizophrenic Thinking. Puente AE, et al. **J Clin Psychol** 1981 Jul; 37(3):464–6
Modification of chronic schizophrenics' abstractions through enriched stimuli and social censure. Sullivan HS, et al. **J Clin Psychol** 1980 Oct;36(4):852–8
Logical reasoning deficits in schizophrenia and brain damage. Watson CG, et al. **J Clin Psychol** 1981 Jul;37(3):466–71
Premorbid competence in schizophrenia: what is being measured? Zigler E, et al. **J Consult Clin Psychol** 1981 Feb;49(1):96–105
Criminal acts among schizophrenics in French mental hospitals. Addad M, et al. **J Nerv Ment Dis** 1981 May; 169(5):289–93
The effect of fantasies of merging with a good mother on schizophrenic pathology. Fribourg A. **J Nerv Ment Dis** 1981 Jun;169(6):337–47
Intensity of imperative signal influences on redundancy deficit and latency in process schizophrenics. Galbraith KJ, et al. **J Nerv Ment Dis** 1980 Sep;168(9):542–9
Schizophrenia and anorexia nervosa. Hsu LK, et al. **J Nerv Ment Dis** 1981 May;169(5):273–6
Premorbid adjustment and affective symptomatology in schizophrenia. Klein DN, et al. **J Nerv Ment Dis** 1981 Aug; 169(8):497–502
Social interaction and the use of space on a ward of long term psychiatric patients. Polsky RH, et al. **J Nerv Ment Dis** 1980 Sep;168(9):550–5
Attention and visual reaction time in schizophrenia. Scherer M, et al. **J Nerv Ment Dis** 1981 Jun;169(6):348–56
Covariance of affective and schizophrenic symptoms in schizoaffective psychosis. Silva JA, et al. **J Nerv Ment Dis** 1980 Sep;168(9):559–61
Territorial behavior of schizophrenics. A phylogenetic approach. Singh MM, et al. **J Nerv Ment Dis** 1981 Aug; 169(8):503–12
Torque behavior in schizophrenics, elderly persons, and other special groups. Tolor A. **J Nerv Ment Dis** 1981 Jun; 169(6):357–63
A test of the interference and normal associate bias theories of schizophrenic cognitive deficit. Watson CG, et al. **J Nerv Ment Dis** 1981 Mar;169(3):185–90
Current concepts about schizophrenics and family relationships. Wynne LC. **J Nerv Ment Dis** 1981 Feb; 169(2):82–9 (58 ref.)
Inpatient evaluation of aggression in psychiatric patients. Yesavage JA, et al. **J Nerv Ment Dis** 1981 May; 169(5):299–302
A validation study of forms A and B of the Whitaker Index of Schizophrenic Thinking. Evans RG, et al. **J Pers Assess** 1980 Aug;44(4):416–9
Fluid and rigid boundaries of paranoid and nonparanoid schizophrenics on a role-playing task. Johnson D, et al. **J Pers Assess** 1980 Oct;44(5):523–31
Visual information processing and alpha blocking in schizophrenics and normals. Davis JR, et al. **J Psychiatr Res** 1981;16(2):95–102
Hemodialysis in schizophrenia: psychiatric aspects of treatment failure in a pilot study. Rorsman B, et al. **Neuropsychobiology** 1981;7(3):127–36
Auditory misperceptions of word-association stimuli in schizophrenia. Silverstein ML, et al. **Percept Mot Skills** 1980 Jun;50(3 Pt 2):1192–4
Effects of schedule information on the slowed fixed-ratio responding of schizophrenics. Weiner H. **Percept Mot Skills** 1981 Apr;51(2):452–4
Response rates and choices of schizophrenics under fixed-ratio contingencies of reinforcement. Weiner H. **Percept Mot Skills** 1980 Dec;51(3 Pt 2):1239–43
Clinical application of sustained auditory evoked potentials. Pfefferbaum A, et al. **Prog Brain Res** 1980;54:526–30
P300 and reaction time in schizophrenics and controls. Roth WT, et al. **Prog Brain Res** 1980;54:522–5
Sorting consistency as a diagnostic tool for schizophrenics and normals. Calev A, et al. **Psychiatry Res** 1980 Jul; 2(3):231–9
Auditory vigilance: normals compared to chronic schizophrenic subgroups defined by skin conductance variables. Patterson T, et al. **Psychiatry Res** 1980 Mar; 2(1):107–12
Auditory event-related potentials in schizophrenia and depression. Roth WT, et al. **Psychiatry Res** 1981 Apr; 4(2):199–212
Electrodermal and cardiac orienting in psychometrically defined high-risk subjects. Simons RF. **Psychiatry Res** 1981 Jun;4(3):347–56
An explanation for the season of birth effect in schizophrenia and certain other diseases. Lewis MS, et al. **Psychol Bull** 1981 May;89(3):589–96
Persistent auditory hallucinations: coping mechanisms and implications for management. Falloon IR, et al. **Psychol Med** 1981 May;11(2):329–39
Effect of propranolol and phenothiazines on electrodermal orienting and habituation in schizophrenia. Gruzelier J, et al. **Psychol Med** 1981 Feb;11(1):93–108
Electrodermal activity in the affective disorders and schizophrenia. Toone BK, et al. **Psychol Med** 1981 Aug; 11(3):497–508
Inter-rater reliability of informants' ratings: Katz Adjustment Scales, R form. Crook T, et al. **Psychol Rep** 1980 Oct; 47(2):427–32
Information transmission in normal and schizophrenic subjects by grids and tilt of matrix patterns. Shanker P. **Psychol Rep** 1980 Oct;47(2):552–4
Differential effects of amphetamine and neuroleptics on negative vs. positive symptoms in schizophrenia. Angrist B, et al. **Psychopharmacology (Berlin)** 1980;72(1):17–9
Stimulus efficacy, chlorpromazine, and schizophrenia. Clody DE, et al. **Psychopharmacology (Berlin)** 1980;69(2):127–31
Slow cortical potentials in subjects with high or low scores on questionnaire measuring physical anhedonia and body image distortion. Lutzenberger W, et al. **Psychophysiology** 1981 Jul;18(4):371–80
First person account: problems of living with schizophrenia. **Schizophr Bull** 1981;7(1):196–7
Social support and schizophrenia. Beels CC. **Schizophr Bull** 1981;7(1):58–72
Physical anhedonia, perceptual aberration, and psychosis proneness. Chapman LJ, et al. **Schizophr Bull** 1980; 6(4):639–53
Social supports, social networks, and schizophrenia. Hammer M. **Schizophr Bull** 1981;7(1):45–57
Stress, social support, and schizophrenia. Discussion. Huessy HR. **Schizophr Bull** 1981;7(1):178–90
Social support scales: a methodological note. Lin N, et al. **Schizophr Bull** 1981;7(1):73–89
Schizophrenia: a network crisis. Lipton FR, et al. **Schizophr Bull** 1981;7(1):144–51
Cross-modal reaction time and schizophrenic attentional deficit: a critical review. Mannuzza S. **Schizophr Bull** 1980; 6(4):654–75
Analysis of a schizophrenic psychosocial network. Pattison EM, et al. **Schizophr Bull** 1981;7(1):135–43
Kent-Rosanoff Association and its implications for segmental set theory. Shakow D. **Schizophr Bull** 1980;6(4):676–85
Patterns of emotional response in relatives of schizophrenic patients. Vaughn CE, et al. **Schizophr Bull** 1981;7(1):43–4
[A further study of disturbance of the thinking process in schizophrenia (author's transl)] Chen CH. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1979; 12(1):7–10 (Chi)
[Psychogenic factors and schizophrenia] Xiang DZ. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1980 Apr; 13(4):202–4 (Chi)
[On the question of 'defencelessness' of schizophrenics in relation to sexual interactions (author's transl)] Topiař A, et al. **Cesk Psychiatr** 1980 Oct;76(5):339–40 (Eng. Abstr.) (Cze)
[From dream structure to an informational model of schizophrenia: the disattenuated 'dysderepixelized' state] Rifat C. **Agressologie** 1980;21(3):117–30 (Eng. Abstr.) (Fre)
[Eye tracking. Importance for analyzing attention problems in schizophrenics] Mialet JP, et al. **Ann Med Psychol (Paris)** 1980 Mar;138(3):325–35 (Fre)
[Psychosis and creativity. Reflections on an autistic painter: Sylvain Fusco] Simeoni CE, et al. **Confin Psychiatr** 1980; 23(3):151–63 (Eng. Abstr.) (Fre)
[Some aspects of cognitive activities in schizophrenic patient (author's transl)] Burnand Y, et al. **Encephale** 1981; 7(2):153–79 (Eng. Abstr.) (Fre)
[An ethological interpretation of stereotypy induced by environmental stimulus (author's transl)] Beckmann H, et al. **Arch Psychiatr Nervenkr** 1981;230(1):81–9 (Eng. Abstr.) (Ger)
[Success in studies and course of illness in regard to schizophrenic students (author's transl)] Gestrich J, et al. **Arch Psychiatr Nervenkr** 1981;230(2):159–69 (Eng. Abstr.) (Ger)
[The drawings of Augustin Wilhelm. The psychopathological aspects and cultural and historical comparisons] Kraft H. **Confin Psychiatr** 1980;23(4):230–49 (Eng. Abstr.) (Ger)
[Works of a schizophrenic composer based on a 13-year catamnestic examination] Pethö B. **Confin Psychiatr** 1980; 23(4):250–61 (Eng. Abstr.) (Ger)
[Studies on stress in psychiatric patients (author's transl)] Ackenheil M, et al. **MMW** 1981 May 8;123(19):805–8 (Eng. Abstr.) (Ger)
[Schizophrenia and attention disorders. Psychopathology of cognitive processing of attentional tasks] Hartwich P. **Monogr Gesamtgeb Psychiatr (Berlin)** 1980;24:1–124 (Eng. Abstr.) (Ger)
[On the fascination and pathogenicity associated with youth cults (author's transl)] Lang H. **Nervenarzt** 1980 Mar; 51(3):183–7 (Ger)
[On the interpretation of the So-called basic disturbances in schizophrenia (author's transl)] Mundt C. **Nervenarzt** 1980 May;51(5):289–93 (Ger)
[The 'interactional reality' of schizophrenics] Stierlin H. **Psyche (Stuttg)** 1981 Jan;35(1):49–65 (Eng. Abstr.) (Ger)
[Modification of schizophrenia by intensive neuroleptic therapy and the course of the disease after withdrawal of neuroleptic drugs] Steiner S. **Psychiatr Clin (Basel)** 1980; 13(3-4):165–78 (Eng. Abstr.) (Ger)
[Cognitive disturbances in schizophrenia – experimental psychological examination and explanation in the frame of cognitive information processing] Kukla F. **Psychiatr Neurol Med Psychol (Leipz)** 1980 Jul;32(7):385–98 (Eng. Abstr.) (Ger)
[Peculiarities and difficulties in the systematic drug therapy of chronic schizophrenics (schizophrenic 'defect')] Lange E, et al. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Jan; 33(1):34–8 (Eng. Abstr.) (Ger)
[What increases the probability of manifestation in hereditary schizophrenia?] Leonhard K. **Psychiatr Neurol Med Psychol (Leipz)** 1981 Mar; 33(3):129–44 (Eng. Abstr.) (Ger)
[Connection between reduced mental abilities and endogenous psychosis (examination of 1000 hospitalized patients)] von Trostorff S. **Psychiatr Neurol Med Psychol (Leipz)** 1980 Jul;32(7):430–42 (Eng. Abstr.) (Ger)
[On the problem of the essential participation of persecution-conditioned stress in causing schizophrenic psychoses (author's transl)] Richartz MM, et al. **Psychiatr Prax** 1981 May;8(2):67–75 (Eng. Abstr.) (Ger)
[Experimental single-case investigation regarding Schizophrenic affectivity (author's transl)] Hartwich P, et al. **Psychother Psychosom Med Psychol** 1981 May; 31(3):83–6 (Eng. Abstr.) (Ger)
[Free improvisation as an unequivocal communications possibility for schizophrenic patients] Kneutgen J. **Ther Ggw** 1980 Sep;119(9):1025–46 (Ger)
[Objective performance reproduction and self assessment of brain damaged patients, schizophrenics and neurotics] Langlotz M, et al. **Z Exp Angew Psychol** 1981;28(3):428–46 (Eng. Abstr.) (Ger)
[Phenomenology of social behavior – the problem of the basic disturbance in schizophrenia] Kimura B. **Z Klin Psychol Psychother** 1980;28(1):34–42 (Eng. Abstr.) (Ger)
[Configuration frequency analysis. XI. Strategies of symptom configuration comparison before and after therapy] Lienert GA, et al. **Z Klin Psychol Psychother** 1980;28(2):110–23 (Eng. Abstr.) (Ger)
[Schizophrenia and suicide] Hirayama M. **Seishin Shinkeigaku Zasshi** 1980;82(12):769–86 (Jpn)
[Changing style of schizophrenic symptomatology (author's transl)] Ishii A, et al. **Seishin Shinkeigaku Zasshi** 1980; 82(8):474–87 (Eng. Abstr.) (Jpn)
[Homicide committed by latent schizophrenic patients] Nakatani Y. **Seishin Shinkeigaku Zasshi** 1980 Jun; 82(6):353–77 (Jpn)
[Suicide attempt among woman schizophrenics] Tsuzuki H, et al. **Seishin Shinkeigaku Zasshi** 1980;82(12):756 (Jpn)
[The emotional significance of selected concepts in a group of patients with early and chronic schizophrenia (a comparative study) (author's transl)] Hunca-Bednarska A, et al. **Psychiatr Pol** 1981 Jan-Feb;15(1):1–7 (Eng. Abstr.) (Pol)
[Attitude of mentally ill patients to mentally normal persons] Jarosz M. **Psychiatr Pol** 1980 Jul-Aug;14(4):369–76 (Eng. Abstr.) (Pol)
[Analysis of various higher emotions in schizophrenic patients studies by the method of semantic differential] Monieta A. **Psychiatr Pol** 1980 Mar-Apr;14(2):137–44 (Eng. Abstr.) (Pol)
[Ingratiatory behaviour in paranoid schizophrenics (author's transl)] Różycka J, et al. **Psychiatr Pol** 1981 Jan-Feb; 15(1):23–7 (Eng. Abstr.) (Pol)
[Deficit of mental functions in affective disorders] Zembrzycka-Cielecka Maryla. **Psychiatr Pol** 1980 Sep-Oct;14(5):533–8 (15 ref.) (Pol)
[Features of the 'Zeigarnik effect' in psychiatric clinical practice] Gailene D, et al. **Zh Nevropatol Psikhiatr** 1980; 80(12):1837–41 (Eng. Abstr.) (Rus)
[Predispositional and 'process' factors in the pathology of cognitive activity in schizophrenia] Kritskaia VP, et al. **Zh Nevropatol Psikhiatr** 1980;80(12):1832–7 (Eng. Abstr.) (Rus)
[Psychopathology of poetry writing of schizophrenic patients while ill] Miliavskiĭ VM. **Zh Nevropatol Psikhiatr** 1981; 81(1):104–8 (Eng. Abstr.) (Rus)
[Features of attention in schizophrenic patients with different degrees of expression of the defect] Savina TD. **Zh Nevropatol Psikhiatr** 1980;80(12):1846–50 (Eng. Abstr.) (Rus)
[Rorschach test of a group of chronic schizophrenic women hospitalized for a long time] Gómez-Feria Prieto I. **Actas Luso Esp Neurol Psiquiatr** 1981 Mar-Apr;9(2):113–24 (Eng. Abstr.) (Spa)

SCHIZOPHRENIFORM DISORDERS see **PSYCHOTIC DISORDERS**

SCHIZOPHYLLAN see under **MUCOPOLYSACCHARIDES**

SCHIZOPHYLLUM see under **AGARICACEAE**

SCHIZOSACCHAROMYCES see under **ASCOMYCETES**

SCHIZOTYPAL PERSONALITY DISORDER

DIAGNOSIS

A symptom schedule for the diagnosis of borderline

schizophrenia: a first report. Khouri PJ, et al. **Br J Psychiatry** 1980 Aug;137:140–7

A comparison of borderline with depressed and schizophrenic patients on a new diagnostic interview. Soloff PH. **Compr Psychiatry** 1981 May–Jun;22(3):291–300

The schedule for Schizotypal Personalities (SSP): a diagnostic interview for schizotypal features. Baron M, et al. **Psychiatry Res** 1981 Apr;4(2):213–28

[Current and unresolved problems in the differential diagnosis of schizophrenia and borderline states in childhood] Kovalev VV. **Zh Nevropatol Psikhiatr** 1980;80(10):1503–6 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Low platelet monoamine oxidase activity: a possible biochemical correlate of borderline schizophrenia. Baron M, et al. **Psychiatry Res** 1980 Dec;3(3):329–35

FAMILIAL & GENETIC

Can schizophrenia with premorbid asociality be genetically distinguished from the other forms of schizophrenia? Quitkin FM, et al. **Psychiatry Res** 1980 Mar;2(1):99–105

PSYCHOLOGY

Premorbid competence in schizophrenia: what is being measured? Zigler E, et al. **J Consult Clin Psychol** 1981 Feb;49(1):96–105

Physical anhedonia, perceptual aberration, and psychosis proneness. Chapman LJ, et al. **Schizophr Bull** 1980; 6(4):639–53

[Homicide committed by latent schizophrenic patients] Nakatani Y. **Seishin Shinkeigaku Zasshi** 1980 Jun; 82(6):353–77 **(Jpn)**

[Features of the 'Zeigarnik effect' in psychiatric clinical practice] Gailene D, et al. **Zh Nevropatol Psikhiatr** 1980; 80(12):1837–41 (Eng. Abstr.) **(Rus)**

SCHOENLEIN–HENOCH PURPURA see **PURPURA, SCHOENLEIN–HENOCH**

SCHOLARSHIPS see **FELLOWSHIPS AND SCHOLARSHIPS**

SCHOOL ADMISSION CRITERIA see under **EDUCATIONAL MEASUREMENT**

SCHOOL DENTISTRY

Questionnaire survey on parental attitudes of the South Australian School Dental Service. Sundram PS, et al. **Aust Dent J** 1981 Apr;26(2):77–9

The effect of a school-based plaque control programme on caries and gingivitis. A 3-year study in 11 to 14-year-old girls. Ashley FP, et al. **Br Dent J** 1981 Jan 20;150(2):41–5

Fluoride paste and rinse in a school dental program. Gray AS, et al. **Can Dent Assoc J** 1980 Oct;46(10):651–4

A program self-administered fluorides in a rural school system. Horowitz HS, et al. **Community Dent Oral Epidemiol** 1980 Aug;8(4):177–83

Involvement of gatekeepers in school health education. Jensen K. **Int J Health Educ** 1981 Jan–Mar;24(1 Suppl):1–23

[Semicollective prophylaxis in Geneva schools] Maurizio A, et al. **SSO** 1980 Sep;90 Spec No:785–9 (Eng. Abstr.) **(Fre)**

[Organization and results of different prophylactic programs in schools] Marthaler T. **SSO** 1980 Sep;90 Spec No:773–84 (Eng. Abstr.) **(Ger)**

[Results of periodontal treatment in elementary school children] Bodnár I. **Fogorv Sz** 1980 Jul;73(7):200–2 (Eng. Abstr.) **(Hun)**

[The experience of dentists in private practice with a transition from community school dentistry to private dentistry] Valen R. **Nor Tannlaegeforen Tid** 1980 Dec; 90(16):533–6 **(Nor)**

[Condition of teeth in school children in Kinshasa] Owinska-Kozaczyńska W. **Czas Stomatol** 1980 Aug; 33(8):709–14 (Eng. Abstr.) **(Pol)**

ECONOMICS

Cost of school dental care [letter] **Aust Dent J** 1980 Jun; 25(3):174–5

ORGANIZATION & ADMINISTRATION

[Dental care for children in the Netherlands] Kuipers TG. **Rev Belge Med Dent** 1980 May;35(1):20–4 **(Dut)**

STANDARDS

[Dental care of Swiss youth, with special reference to children from the city of Zürich] Rinderer LA. **Rev Belge Med Dent** 1980 May;35(1):18–20 **(Dut)**

[Evaluation of the effect of continuous dental care on the improvement of oral health in children in rural areas] Widawska-Stachurska J. **Czas Stomatol** 1980 Aug; 33(8):697–701 (Eng. Abstr.) **(Pol)**

TRENDS

A six year regional report on the oral tumor registry and lesions diagnosed in the School of Dentistry Biopsy Service University of Oregon Health Sciences Center (Portland, Oregon). Thompson CC. **J Oral Med** 1981 Jan–Mar; 36(1):11–5

[Effect of fluoride lacquering on the need of dental care in a group of adolescent school pupils] Schiøth JT. **Nor Tannlaegeforen Tid** 1981 Mar;91(4):123–6 **(Nor)**

SCHOOL DROPOUTS see **STUDENT DROPOUTS**

SCHOOL HEALTH SERVICES

Otologic survey of schools for the deaf. Rood SR, et al. **Am Ann Deaf** 1981 Apr;126(2):113–7

Project Health PACT in action. Igoe JB. **Am J Nurs** 1980 Nov;80(11):2016–21

A learning disability screening program in a public school. Goldstein PK, et al. **Am J Occup Ther** 1981 Jul;35(7):451–5

Certification of occupational therapists in the public schools: the Wisconsin experience. Punwar A, et al. **Am J Occup Ther** 1980 Nov;34(11):727–30

General practitioner at school. Barnes HG. **Br Med J [Clin Res]** 1981 Feb 28;282(6265):701–2

An increase in abnormal reactions to BCG: implications for prevention and treatment. Farries JS. **Community Med** 1980 Nov;2(4):312–7

Some aspects of child health care: contacts between children, general practitioners and school doctors. Lucas S. **Community Med** 1980 Aug;2(3):209–18

School health service: review of 11 year old's screening programme. Morris JB, et al. **Health Bull (Edinb)** 1980 Jul; 38(4):153–9

School health education in family medicine and pediatrics. Collins TR, et al. **J Fam Pract** 1980 Oct;11(4):583–8

The 1980 William A. Howe award: Herman S. Bush, HSD. **J Sch Health** 1980 Dec;50(10):586–8

EPSDT—can schools save the faltering giant? Adams RM. **J Sch Health** 1980 Oct;50(8):484

The research dilemma. Crase D. **J Sch Health** 1980 Oct; 50(8):467–9

It's never too early for nutrition education. Frankle RT. **J Sch Health** 1980 Sep;50(7):387–91

Early school health: an analysis of its impact on primary care. Hanson MA, et al. **J Sch Health** 1980 Dec; 50(10):577–80

Problems faced in developing a state constituent organization. Olsen LK. **J Sch Health** 1981 Mar;51(3):168–70

School health screening of Indochinese refugee children. Pickwell SM. **J Sch Health** 1981 Feb;51(2):102–5

School health training for the practicing physician. Schechter NL, et al. **J Sch Health** 1980 Aug;50(6):347–51

Redefining school health services: comprehensive child health care as the framework. Silver GA. **J Sch Health** 1981 Mar;51(3):157–62

Evaluating the effectiveness of an anti–smoking program. Williamson JA, et al. **J Sch Health** 1981 Mar;51(3):146–7

A toothbrushing programme for use in the school. Mor BM. **Papua New Guinea Med J** 1979;22(2):136–9

Schools and the Pediatrician. Wright GF, et al. **Pediatr Clin North Am** 1981 Aug;28(3):643–62

American Academy of Pediatrics: Committee on School Health. School health examinations. **Pediatrics** 1981 Apr; 67(4):576–7

Scoliosis screening: results of a community project. Gore DR, et al. **Pediatrics** 1981 Feb;67(2):196–200

The North Karelia Youth Project. A community-based intervention study on CVD risk factors among 13- to 15-year-old children: study design and preliminary findings. Puska P, et al. **Prev Med** 1981 Mar;10(2):133–48

Poor distant vision in post-primary school in Benin City. Alakija W. **Public Health** 1981 May;95(3):165–70

[Cooperative relationships in the school health service] Barfoed K, et al. **Ugeskr Laeger** 1980 Sep 29;142(40):2661–5 (Eng. Abstr.) **(Dan)**

[Role of the ophthalmologist in schools for the visually handicapped] Pigassou R. **Bull Soc Ophtalmol Fr** 1980 Jan; 80(1):93 **(Fre)**

[Complete vaccination program in the school environment] Philips M. **Rev Med Liege** 1980 Dec 15;35(24):871–2 **(Fre)**

[School medicine and naturopathy– place in holistic medicine] Brüggemann W. **Med Welt** 1981 Mar 20; 32(12):60–1 **(Ger)**

[Possible role of a pediatrician, introduced into collegiate organizations and in a School Medicine Study Commission of a teaching group, in an experimental preventive pediatrics and health education undertaking] Chiara F, et al. **Minerva Pediatr** 1981 Jan 31;33(2):73–9 **(Ita)**

[The effect of toxic factors in the working environment on the condition of the periodontium in adolescents in vocational schools] Król-Baré H. **Czas Stomatol** 1980 Mar; 33(3):197–203 (Eng. Abstr.) **(Pol)**

[Hygienic evaluation of a new form of active learning] Eremeev AM. **Gig Sanit** 1980 Nov;(11):12–4 (Eng. Abstr.) **(Rus)**

[The school hygiene programs of the Secretaria de Educación Pública] Cesarman E, et al. **Gac Med Mex** 1980; 116(9):391–3 **(Spa)**

ECONOMICS

School health services: what costs? What benefits? Newman IM, et al. **J Sch Health** 1981 Aug;51(6):423–7

HISTORY

The evolution of school health services: New York and nationwide. Buser BN. **J Sch Health** 1980 Oct;50(8):475–7

A failure 'without parallel': the school medical service and the London County Council 1907–12. Hirst JD. **Med Hist** 1981 Jul;25(3):281–300

LEGISLATION & JURISPRUDENCE

Where are we with education of the handicapped: new approaches to screening. Curry MF. **J Sch Health** 1981 Aug;51(6):441–2

A compulsory school immunization program in Tennessee. Fowinkle EW, et al. **Public Health Rep** 1981 Jan–Feb; 96(1):61–6

MANPOWER

Health educator preparation via other disciplines? Vincent ML, et al. **J Sch Health** 1980 Dec;50(10):593–4

METHODS

[Community participation in school health programs: a methodological trial] de Parada J do C. **Bol Of Sanit Panam** 1980 Aug;89(2):106–12 (Eng. Abstr.) **(Por)**

ORGANIZATION & ADMINISTRATION

Development of school screening audiometry. Fisch L. **Br J Audiol** 1981 May;15(2):87–95

The Robert Wood Johnson Foundation National School Health Program. A presentation and progress report. DeAngelis C. **Clin Pediatr (Phila)** 1981 May;20(5):344–8

Teacher–observer of student health problems. Griffith BB, et al. **J Sch Health** 1981 Aug;51(6):428–32

Is your school prepared to handle emergency care? McKenzie JF. **J Sch Health** 1980 Sep;50(7):416–8

A community approach: school-based health care delivery. Warren RC. **J Sch Health** 1980 Oct;50(8):463–6

New challenges for physical therapy practitioners in educational settings. Mullins J. **Phys Ther** 1981 Apr; 61(4):496–502

School audiometry – methods and goals. Bjurö–Møller M. **Scand Audiol [Suppl]** 1978;(Suppl 8):13–8

[Physician and teacher (author's transl)] Hartung H. **Oeff Gesundheitswes** 1980 Jul;42(7):455–62 (Eng. Abstr.) **(Ger)**

[Preventive care of schoolchildren in the german speaking area of the Canton of Berne, Switzerland (author's transl)] Aeschlimann K, et al. **Praxis** 1980 Oct 28;69(43):1580–7 (Eng. Abstr.) **(Ger)**

[Analysis of results of 10 years of prophylactic hearing acuity investigations in children from the first class of elementary schools in Wrocław (author's transl)] Przyjalgowska M, et al. **Otolaryngol Pol** 1980;34(2–3):263–8 (Eng. Abstr.) **(Pol)**

STANDARDS

[Screening for cardiopathies in schools] el-Benna MT, et al. **Tunis Med** 1981 Mar–Apr;59(2):103–7 (Eng. Abstr.) **(Fre)**

SUPPLY & DISTRIBUTION

School psychological services for hearing-impaired children in the New York and New England area. McQuaid MF, et al. **Am Ann Deaf** 1981 Feb;126(1):37–42

Workshop on school-based dental delivery systems—summary of proceedings. Warren RC, et al. **Public Health Rep** 1980 Jul–Aug;95(4):351–6

TRENDS

Changing patterns in school health and school nursing. Igoe JB. **Nurs Outlook** 1980 Aug;28(8):486–92

[Unitary screening program for mass examinations in the school health systems ('school health service') of the USSR and Polish People's Republic] Anan'eva NA, et al. **Gig Sanit** 1980 Jun;(6):40–2 **(Rus)**

UTILIZATION

Does visiting the school health room teach appropriate or inappropriate use of health services. Nader PR, et al. **Am J Public Health** 1981 Apr;71(4):416–9

School mental health services following an environmental disaster. Crabbs MA. **J Sch Health** 1981 Mar;51(3):165–7

School screening for scoliosis [editorial] **Lancet** 1981 Aug 15;2(8242):345–6

A comparison of utilization of community primary health care and school health services by urban Mexican–American and Anglo elementary school children. Gilman SC, et al. **Med Care** 1981 Feb;19(2):223–32

The new morbidity: use of school and community health care resources for behavioral, educational, and social–family problems. Nader PR, et al. **Pediatrics** 1981 Jan;67(1):53–60

SCHOOL NURSING

Using words without sound. LoGrasso BA. **Am J Nurs** 1980 Dec;80(12):2186–7

A viewpoint on school nursing. Oda DS. **Am J Nurs** 1981

Sep;81(9):1677–8
School nurse practitioners on the job. Robinson T. **Am J Nurs** 1981 Sep;81(9):1674–6
School nursing deserves an 'A+', says Juan Robles, R.N. Robles J. **Am J Nurs** 1981 Jul;81(7):1373–4
A health inventory for the school nurse. Allensworth DD. **J Sch Health** 1980 Oct;50(8):486–7
'Take thou'. Blackburn HL. **J Sch Health** 1981 Aug;51(6):440
Hemophilia: the role of the school nurse. Damiano ML, et al. **J Sch Health** 1980 Oct;50(8):451–4
The role of the state school nurse consultant. Hertel V. **J Sch Health** 1980 Aug;50(6):352–3
School nursing & dental referrals. Oda DS, et al. **J Sch Health** 1980 Sep;50(7):393–6
Adolescent perceptions of the school nurse. Resnick MD, et al. **J Sch Health** 1980 Dec;50(10):551–4
Predicting school nurse involvement in meeting sexuality related needs of youth in New Jersey. Gorosh VA. **Public Health Rep** 1981 Jul–Aug;96(4):363–8
The nurse's role in helping to assess learning disabilities in the school setting. Heinlein D. **Sight Sav Rev** 1980 Spring; 50(1):25–9

EDUCATION

Nurses and nurse practitioners in schools. Brink SG, et al. **J Sch Health** 1981 Jan;51(1):7–10
Innovative nurses demonstrate expanded roles. Egbert E. **J Sch Health** 1980 Aug;50(6):311–3
Meeting the challenges of PL 94–142 through a continuing education program for the school nurse. Procci L, et al. **J Sch Health** 1981 Mar;51(3):154–6

MANPOWER

School nurses as change agents: controlling our destiny. Wold SJ. **J Sch Health** 1980 Dec;50(10):595–6

ORGANIZATION & ADMINISTRATION

Computers maximize nurses' time. Tom E. **J Sch Health** 1981 Aug;51(6):443–4

STANDARDS

A proposal for certification of school nurses the West Virginia model. Morris JG, et al. **J Sch Health** 1981 Aug; 51(6):401–4

TRENDS

Changing patterns in school health and school nursing. Igoe JB. **Nurs Outlook** 1980 Aug;28(8):486–92

SCHOOLS

Stimulus–seeking, perceived school environment and school misbehavior. Wasson AS. **Adolescence** 1980 Fall; 15(59):603–8
Schools and classes for the deaf in the United States. **Am Ann Deaf** 1981 Apr;126(2):125–223
Task Force 1: The physician and children (pediatric and adolescent practice and the school). Jesse MJ, et al. **Am J Cardiol** 1981 Mar;47(3):741–7 (45 ref.)
Departmental resources and statistics of academic pathology. Elin RJ, et al. **Am J Clin Pathol** 1981 May;75(5):662–70
Making school health education effective [editorial] Rogers KD. **Am J Public Health** 1981 Jan;71(1):5–6
Health education to improve rubella immunisation in schools [letter] Houghton J. **Br Med J** 1980 Oct 4;281(6245):944
School follow–up of adolescents treated in a psychiatric hospital. Forness SR, et al. **Child Psychiatry Hum Dev** 1981 Spring;11(3):179–85
Development of complex patterns of behavioral orientation to social and physical stimuli in kindergarten children. Marturano EM. **Child Psychiatry Hum Dev** 1981 Spring; 11(3):186–97
Spina bifida: implications for 100 children at school. Hunt GM. **Dev Med Child Neurol** 1981 Apr;23(2):160–72
Health examination and immunizations. Elvidge S. **IMJ** 1980 Sep;158(3):123–5
An epidemiological study of smoking in urban school boys of Ajmer. Lall KB, et al. **Indian J Pediatr** 1980 Sept–Oct; 47(388):403–8
School–based instruction for improving oral health: closing the knowledge gap. Frazier PJ. **Int Dent J** 1980 Sep; 30(3):257–68
An outbreak of illness in a rural school. O'Donnell B, et al. **Ir Med J** 1980 Aug;73(8):300–2
Alternate lunch patterns in high schools. II. Student and foodstaff reactions. Harper JM, et al. **J Am Diet Assoc** 1980 Sep;77(3):282–8
Alternate lunch patterns in high schools. IV. Nutritive value. Jansen GR, et al. **J Am Diet Assoc** 1980 Nov;77(5):546–51
Preparticipation evaluation for school athletic programs. Hirsch PJ, et al. **J Med Soc NJ** 1981 Aug;78(9):585–90
Mainstreaming of disabled students in my community schools. Boyd J. **J Okla State Med Assoc** 1981 May; 74(5):148–9
Transmission of hepatitis B in a classroom setting. Oleske J, et al. **J Pediatr** 1980 Nov;97(5):770–2
Transmission of hepatitis B in a classroom setting [letter] Reisman L, et al. **J Pediatr** 1981 Jul;99(1):174
School adjustment and degree of physical impairment. Harper DC, et al. **J Pediatr Psychol** 1980 Dec;5(4):377–83
An agenda for the eighties: community and school fluoridation. Faine RC. **J Public Health Dent** 1980 Summer; 40(3):258–67
Achievements of the seventies: community and school fluoridation. Newbrun E. **J Public Health Dent** 1980 Summer;40(3):234–47
Achievements of the seventies: self–applied fluorides. Silversin JB, et al. **J Public Health Dent** 1980 Summer; 40(3):248–57
Health career training in high school: the magnet concept. Brahinsky M, et al. **J Sch Health** 1981 Jan;51(1):60
The PTA's health education project and sex education in the schools. Carlyon P. **J Sch Health** 1981 Apr;51(4):271–3
When adolescent mothers return to school. Colletta ND, et al. **J Sch Health** 1980 Nov;50(9):534–8
A nutrition component for high school health education curriculums. German MJ, et al. **J Sch Health** 1981 Mar; 51(3):149–53
Sex education in a rural high school. Gumerman S, et al. **J Sch Health** 1980 Oct;50(8):478–80
Delphi: group participation in needs assessment and curriculum development. Hentges K, et al. **J Sch Health** 1980 Oct;50(8):447–50
Health education programs in New Jersey public schools. Lavenhar MA. **J Sch Health** 1980 Aug;50(6):342–6
Education for aging. McPherson–Turner C. **J Sch Health** 1980 Aug;50(6):314–7
Development of a high school health education curriculum. Shaw MW, et al. **J Sch Health** 1981 Mar;51(3):182–5
Linking health education content with classroom group development: a suggestion for planning. Weinstein SA. **J Sch Health** 1980 Nov;50(9):543–4
School entry health examination [letter] Johnston O. **Med J Aust** 1981 Feb 21;1(4):198–9
An experimental program for the promotion of gifted children in elementary schools. Benyamini K, et al. **Ment Health Soc** 1978;5(5–6):296–303
Summary report on Group A beta hemolytic streptococcal screening in two Minneapolis elementary schools. Alkon E. **Minn Med** 1981 Jan;64(1):41–2
Professional cooperation in public school physical therapy. Sellers JS. **Phys Ther** 1980 Sep;60(9):1159–61
School catering: the place for change. Collins SC. **Postgrad Med J** 1980 Aug;56(658):610–2
Cigarette smoking among public school children in Rhode Island. Study highlights the factors which encourage the smoking habit among teenagers. Marshall RJ Jr. **RI Med J** 1980 Aug;63(8):305–9
The Swedish folk high–school for the deaf. Sibbe T. **Scand Audiol [Suppl]** 1978;(Suppl 8):186–90
Mobilizing schools for suicide prevention. Ross CP. **Suicide Life Threat Behav** 1980 Winter;10(4):239–43
Winning liaison. Shires CL. **Va Med** 1980 Oct;107(10):675–7
The associations between nutritional status, school achievement and school attendance in twelve–year–old children at a Jamaican school. Powell C, et al. **West Indian Med J** 1980 Dec;29(4):247–53
[The indoor air pollution with harmful, malodorous and odorous substances in facilities for children and in schools (author's transl)] Witthauer J, et al. **Aerztl Jugendkd** 1980; 71(3):177–86 (Eng. Abstr.) **(Ger)**
[What knowledge do educators and teachers have about caries prevention?] Strübig W. **Dtsch Zahnaerztl Z** 1981; 36(3):161–5 (Eng. Abstr.) **(Ger)**
[The epileptic child in the family and school] Rett A. **Monatsschr Kinderheilkd** 1980 May;128(5):365–9 **(Ger)**
[Children with deviant behaviour and their integration into school life (author's transl)] Strunk P. **Oeff Gesundheitswes** 1980 Aug;42(8):543–7 (Eng. Abstr.) **(Ger)**
[Schools in children's hospitals] Asperger H. **Paediatr Padol** 1981;16(2):111–4 **(Ger)**
[School lunches with frozen foods] **Z Ernaehrungswiss** 1980 Jun;19(2):95–102 **(Ger)**
[Implementation of the regulation of school and kindergarten meals in the city of Eisenach] Fandrey K, et al. **Z Gesamte Hyg** 1980;26(8):615–8 (Eng. Abstr.) **(Ger)**
[Noise in school gymnasiums] Haentzschel J. **Z Gesamte Hyg** 1980;26(9):670–1 (Eng. Abstr.) **(Ger)**
[Measurement and assessment of acoustic properties of school gymnasiums] Reinhardt H. **Z Gesamte Hyg** 1980; 26(9):668–70 (Eng. Abstr.) **(Ger)**
[Hygienic requirements for rooms and window ventilation—a contradictory problem?] Roloff J. **Z Gesamte Hyg** 1980; 26(9):678–9 **(Ger)**
[Hypertension in young man. Epidemiologic investigation in students of an Italian secondary school (author's transl)] Ghilardi P, et al. **G Ital Cardiol** 1980;10(7):807–14 (Eng. Abstr.) **(Ita)**
[Artificial lighting in secondary schools in big cities in Poland] Wojdon–Machala H. **Rocz Panstw Zakl Hig** 1980; 31(4):533–8 (Eng. Abstr.) **(Pol)**
[Dynamic pause in the schedule of students in the 1st grade] Molchanova NM, et al. **Gig Sanit** 1980 Jun;(6):85–6 **(Rus)**
[Work experience at an elementary school attached to a tuberculosis hospital] Golubev LV, et al. **Probl Tuberk** 1980 Oct;(10):16–8 (Eng. Abstr.) **(Rus)**
[Scientific school as an object of study (an outline of the problems)] Korotkikh RV. **Sov Zdravookhr** 1980;(10):48–51 **(Rus)**
[Chile: program for the primary prevention of alcoholism in schools] Medina Cárdenas E, et al. **Bol Of Sanit Panam** 1981 Feb;90(2):95–104 **(Spa)**

STANDARDS

Asbestos in Vermont schools: findings of a statewide on–site investigation. Novick LF, et al. **Am J Public Health** 1981 Jul;71(7):744–6
[Acoustic design improvement of school buildings] Gel'tishcheva EA, et al. **Gig Sanit** 1980 Aug;(8):61–3 **(Rus)**
[Physiological and hygienic basis for the permissible noise level in school and college classrooms in a tropical climate] Magaï MP, et al. **Gig Sanit** 1981 Mar;(3):26–8 **(Rus)**
[Effect of ventilation conditions on the functional state of younger schoolchildren] Voronova BZ, et al. **Gig Sanit** 1980 Jun;(6):31–5 (Eng. Abstr.) **(Rus)**

SCHOOLS, DENTAL

Future of the University of London Dental Schools. **Br Dent J** 1980 Nov 18;149(10):298
Reasons for choice of a particular dental school. Whittaker DK. **Br Dent J** 1980 Oct 7;149(7):205–7
Accredited dental schools. Commission on Dental Accreditation. **J Am Dent Assoc** 1981 Feb;102(2):206–8
Accredited dental schools. Commission on Dental Accreditation. **J Am Dent Assoc** 1981 Jul;103(1):104–6
Clinical research in dental institutions as reported in selected dental journals. Martinoff JT, et al. **J Am Dent Assoc** 1980 Dec;101(6):919–22
1980–1981 proceedings of the fifty–eighth annual session, American Association of Dental Schools. **J Dent Educ** 1981 Jul;45(7 Spec issue):398–500
Foreign dental graduates: admission criteria and predicted success in an American dental school. Browder HC, et al. **J Dent Educ** 1980 Oct;44(10):580–4
The dental school's role in academic health centers: report of a study. Morris AL, et al. **J Dent Educ** 1980 Dec; 44(12):697–704
Academic dismissal for clinical reasons: implications of the Horowitz case. Nash DA, et al. **J Dent Educ** 1981 Mar; 45(3):150–5
Use of selected dental school courses for continuing education. Sanger RG. **J Dent Educ** 1981 Feb;45(2):74–5
Postgraduation plans as related to regional location of dental school. Solomon E. **J Dent Educ** 1981 Jan;45(1):48–9
Current status of geriatric education in American dental schools. Thomas AM, et al. **J Dent Educ** 1981 Sep; 45(9):589–91
Academic tenure and collective bargaining in American dental schools, 1975–1980. Whitman NA. **J Dent Educ** 1980 Oct;44(10):590–1
Should health care practitioners be allowed to exculpate themselves from liability? you be the judge. Berg RN, et al. **J Med Assoc Ga** 1981 Apr;70(4):273–6
What is the role of the dental school in relation to its graduates? Quartararo IN. **NY State Dent J** 1981 Feb; 47(2):94, 96
The dental students at Stony Brook. Waldman HB. **NY State Dent J** 1980 Nov;46(9):555–62
Universidad del Valle, Cali, Colombia: dental manpower training. Guerrero R, et al. **Public Health Pap** 1980; 2(71):35–45
[Report on Swiss university institutes of dental medicine (1978–1979)] **SSO** 1980 Oct;90(10):974–93 **(Fre)**
[Foundation of the medical technical school at the Halle (Saale) Special Polyclinic for Dentists] Diettrich HP. **Stomatol DDR** 1981 Feb;31(2):127–9 **(Ger)**

ECONOMICS

Changing pattern of dental school revenues. Solomon ES. **J Dent Educ** 1981 Apr;45(4):251

HISTORY

Histories of present dental schools in the United States. Loma Linda University School of Dentistry. **Dent Radiogr Photogr** 1981;54(2):2, 39–40
Baylor College of Dentistry. **Dent Radiogr Photogr** 1980; 53(3):inside front cover, 57–9
University of North Carolina at Chapel Hill School of Dentistry. **Dent Radiogr Photogr** 1981;54(1):preceding 1, 19–20
[25th anniversary of the Stomatology Department at the Graduate Medical Institute] Sícha V, et al. **Cesk Stomatol** 1981 Mar;81(2):81–5 (Eng. Abstr.) **(Cze)**
[In retrospect. (The Budapest School of Dentistry)] Bánóczy J. **Fogorv Sz** 1980 Dec;73(12):354–5 **(Hun)**
[The 25–year history of the Budapest School of Dentistry] Huszár G. **Fogorv Sz** 1980 Dec;73(12):356–8 **(Hun)**
[25 years of pedodontic education] Tóth P. **Fogorv Sz** 1980 Dec;73(12):377–8 **(Hun)**
[20 years of dental theoretical research and its perspectives in the Institute of Physiology of the Semmelweis University Medical School. Establishment and current activities of the Department of Oral Biology of the School of Dentistry] Zelles T. **Fogorv Sz** 1980 Dec;73(12):378–80 (Eng. Abstr.) **(Hun)**
[25th anniversary of the Department of Roentgenology and Radiology of the N. A. Semashko Moscow Medical Stomatology Institute] Vorob'ev IuI, et al. **Vestn Rentgenol Radiol** 1980 Sep–Oct;(5):88–9 **(Rus)**

ORGANIZATION & ADMINISTRATION

Transferring a computer-based clinical administration system. Plasschaert AJ, et al. **J Dent Educ** 1981 May; 45(5):287-9

SCHOOLS, HEALTH OCCUPATIONS

The role and function of a counselor in residential schools for the deaf. Degrell RE, et al. **Am Ann Deaf** 1981 Feb; 126(1):64-8

Racial and ethnic enrollment of training institutions with communicative disorders programs. Cole LT. **ASHA** 1980 Aug;22(8):545-9

A minority recruitment and retention model for a Department of Medical Allied Health Professions. Harrison FG, et al. **J Allied Health** 1981 Feb;10(1):15-22

The role of schools of allied health in the academic health center: report of a study. Hastings DA, et al. **J Allied Health** 1981 Aug;10(3):162-73

Interschool relationships in academic health centers. Morris AL. **J Dent Educ** 1981 Mar;45(3):127-32

Educational programs leading to qualifications as a physical therapist. **Phys Ther** 1980 Oct;60(10):1315-21

College of Allied Health Sciences, Madang, Papua New Guinea: health extension officers, Papua New Guinea's personnel for health care. Banam J. **Public Health Pap** 1980; 2(71):97-113

The Rocky Mountain Center for Occupational and Environmental Health. Rom WN. **West J Med** 1980 Sep; 133(3):264-9

LEGISLATION & JURISPRUDENCE

Affecting health personnel distribution through AHECs. Rettie LL. **J Allied Health** 1981 May;10(2):114-9

ORGANIZATION & ADMINISTRATION

North Carolina AHEC model: pipeline for pharmacy education. Paoloni CU, et al. **Am Pharm** 1980 Sep; 20(9):55-8

Hospital-college education contracts ensure mutual protection. Kelly MJ. **Hospitals** 1981 Jan 16;55(2):95-6, 99

The school of allied health--a political model of university governance. King EC, et al. **J Allied Health** 1980 Nov; 9(4):242-52

A faculty growth contracting model for allied health schools. Schaffer DR. **J Allied Health** 1980 Nov;9(4):233-41

The University of Arkansas for Medical Sciences Area Health Education Centers Program. Bost RB, et al. **J Arkansas Med Soc** 1980 Jul;77(2):101-5

Development of clinical education sites in an area health education system. Clark SL, et al. **Phys Ther** 1981 Jun; 61(6):904-6

University of the Philippines College of Medicine, Philippines: the institute of health sciences, Tacloban--search for a model. Bonifacio AF. **Public Health Pap** 1980;2(71):115-30

Tribhuvan University Institute of Medicine, Nepal. Shah M. **Public Health Pap** 1980;2(71):81-96

TRENDS

Patterns of student data quantification in allied health schools. Himelfarb DR, et al. **J Allied Health** 1980 Aug;9(3):183-93

SCHOOLS, MEDICAL

The impaired physician: medical school and physician approaches. Carmichael SM, et al. **Ala J Med Sci** 1981 Apr;18(2):194-5

Minorities in medicine--challenge for our times. Lythcott GI. **Ala J Med Sci** 1981 Apr;18(2):188-91

Performance of U.S. citizen-foreign medical graduates on certifying examinations in internal medicine. Benson JA Jr, et al. **Am J Med** 1981 Aug;71(2):270-3

Doctors abroad and at home: American medical education in 1981. Devereux RB. **Am J Med** 1981 Aug;71(2):189-92

Restriction of range and the predictive validity of the New Medical College Admission Test. Cullen TJ, et al. **Annu Conf Res Med Educ** 1980;(19):263-6

Incremental validity: the old and new MCATs compared. Friedman CP, et al. **Annu Conf Res Med Educ** 1980; (19):251-6

Evaluation of a medical school learning environment. Harris A. **Annu Conf Res Med Educ** 1980;(19):169-74

Symposium: Perspectives on the roles of offices of medical education in the 1980's. Petrusa E, et al. **Annu Conf Res Med Educ** 1980;(19):335-47

The relationship between MCAT science subtest scores and performance in medical school - the impact of the undergraduate institution. Zeleznik C, et al. **Annu Conf Res Med Educ** 1980;(19):257-62

Disabled students and medical school admissions. Hartman DW, et al. **Arch Phys Med Rehabil** 1981 Feb;62(2):90-1

Medical library service in a community-based medical school: a case study in South Dakota. Brennen PW, et al. **Bull Med Libr Assoc** 1981 Jan;69(1):1-8

Will offshore medical schools graduate quality physicians? Korcok M. **Can Med Assoc J** 1981 Feb 15;124(4):461-8

Advanced Internal Medicine (AIM). The Training Program in Primary Care Internal Medicine at the University of Connecticut School of Medicine. Davidoff F. **Conn Med** 1981 Mar;45(3):167-74

Selecting students for medical school in the United States. Meikle TH Jr. **Dan Med Bull** 1980 May;27 Suppl 1:21-9

Nursing homes and medical schools--the growing link [news] Collins JA. **Geriatrics** 1981 Aug;36(8):135-8

AMWA's experiment in planned change: a report on the 'women in medical academia' project. Scadron A. **J Am Med Wom Assoc** 1980 Dec;35(12):299-301

State of the college. University of Arkansas College of Medicine. Bruce TA. **J Arkansas Med Soc** 1981 Jul; 78(2):93-6

History of allergy. University of Arkansas School of Medicine. Cazort AG, et al. **J Arkansas Med Soc** 1980 Oct;77(5):197-8

Does closed circuit television still apply? A utilization and management study. Hurwitz GH, et al. **J Biocommun** 1980 Nov;7(3):23-7

Family practice education in state supported medical schools--problems, challenges, and controversies. Medley ES. **J Fla Med Assoc** 1980 Sep;67(9):829-32

The medical school admission process: an empirical investigation. Olmstead AL, et al. **J Hum Resour** 1981 Summer;16(3):459-67

The continuous quest. Eckstein JW. **J Iowa Med Soc** 1981 Apr;71(4):140-2

Medical school admissions interview: pro and con. Fruen MA. **J Med Educ** 1980 Jul;55(7):630-1

Failure as a criterion for medical school admission. Greer DS, et al. **J Med Educ** 1980 Jul;55(7):616-8

MCAT scores and academic records of natural science and humanities majors applying to medical school, 1978-79. Thomae-Forgues M, et al. **J Med Educ** 1980 Nov; 55(11):971-2

1979-80 enrollment in U.S. medical schools. Thomae-Forgues ME, et al. **J Med Educ** 1980 Dec; 55(12):1042-4

Selecting for medical school. Weingartner RH. **J Med Educ** 1980 Nov;55(11):922-7

Notes from overground. Fourth year at Harvard Medical School. Bressler DJ. **JAMA** 1981 Apr 24;245(16):1637-8

Remarks at the Commencement Exercises of Mayo Medical School. Blackmun HA. **Mayo Clin Proc** 1980 Sep; 55(9):573-8

The responsibility of medical schools for teaching hospitals and the provision of clinical services. Ellis J. **Med Educ** 1981 May;15(3):171-83

A study of the University of Connecticut's criteria for admission into medical school. Rippey RM, et al. **Med Educ** 1981 Sep;15(5):298-305

Community attitudes to selection of medical students. Chalmers JP, et al. **Med J Aust** 1981 May 16;1(10):535-7

The Department of Physical Medicine and Rehabilitation in the University of Minnesota Medical School--patient care, education, and research. Olson ME. **Minn Med** 1980 Aug; 63(8):557-62

Students' and physicians' knowledge of hospital charges at Mount Sinai Hospital and School of Medicine. Wolman RL, et al. **Mt Sinai J Med (NY)** 1980 Nov-Dec; 47(6):568-74

University of Nebraska College of Medicine, Department of Orthopaedic Surgery and Rehabilitation. Connolly JF. **Nebr Med J** 1981 Apr;66(4):73

Department of Neurosurgery, University of Nebraska Medical Center. Skultety FM. **Nebr Med J** 1981 Apr; 66(4):74

The Papua New Guinea College of Tropical Obstetrics and Gynaecology Papua New Guinea's first post graduate medical college. McGoldrick IA. **Papua New Guinea Med J** 1980 Dec;23(4):155-6

Universities, medical schools, and hospitals--can they coexist? Shapiro AP. **Perspect Biol Med** 1981 Winter; 24(2):169-88

The admission interview--doing it to the applicant. Rose JC. **Pharos** 1980 Summer;43(3):13-4

The Medical Faculty at Novi Sad, Yugoslavia: new trends in the promotion of a system of medical education. Jakovljević D. **Public Health Pap** 1980;2(71):191-202

The University of Newcastle, New South Wales, Australia: developing a new medical school. Maddison D. **Public Health Pap** 1980;2(71):17-34

University of Kuopio, Finland: reforms of the health care system in Finland--a challenge for a new university. Vanha-Perttula T. **Public Health Pap** 1980;2(71):47-69

Nevada's medical school comes of age. Anderson FM. **West J Med** 1980 Dec;133(6):526-31

[Specialization schools on the European scene] De Martinis C, et al. **G Ital Cardiol** 1980;10(12):1733-6 **(Ita)**

[Military school of aviation medicine] Mingoni G. **Riv Med Aeronaut Spaz** 1979 Jan-Jun;42(1-2):194-7 **(Ita)**

[Role of the Central Institute of Physician Postgraduate Advanced Training in the training of medical entomologists in the USSR] Alekseev AN, et al. **Med Parazitol (Mosk)** 1981 May-Jun;50(3):78-80 **(Rus)**

[Work of scientists at the Riga Medical Institute related to ambulatory and polyclinic establishments] Dubovitskiĭ ZIa. **Sov Zdravookhr** 1980;(11):41-5 (Eng. Abstr.) **(Rus)**

[System for connecting teaching science and practice in a medical institute] Sychenikov IA, et al. **Sov Zdravookhr** 1980;(11):54-9 **(Rus)**

[50th anniversary of the Central Order of Lenin Institute for Advanced Medical Training] Kovrigina MD. **Ter Arkh** 1980;52(9):3-7 **(Rus)**

[Postgraduate physician training in roentgenology at the 2d Moscow Medical Institute] Pereslegin IA, et al. **Vestn Rentgenol Radiol** 1981;(3):61-3 **(Rus)**

[Role of the large-circulation newspaper of a medical institute in the military and patriotic training of students] Askarov KA. **Voen Med Zh** 1981 Apr;(4):23-5 **(Rus)**

ECONOMICS

President's letter [interview by Ray G. Sitham] Schwartz MR. **Colo Med** 1980 Aug;77(8):287-92

A zero-base approach to medical school planning and budgeting. Herrmann TJ, et al. **J Med Educ** 1981 Aug; 56(8):623-33

State funds in support of public and private medical schools, 1979. Rosenthal J. **J Med Educ** 1980 Oct;55(10):885-7

HISTORY

The residency program in otolaryngology at Baylor College of Medicine. Bryant BJ. **Am J Otol** 1979 Oct;1(2):132-4

The Harvard residency program in otolaryngology: an overview. Bryant BJ. **Am J Otol** 1979 Jul;1(1):60-3

The residency program in otolaryngology at the Washington University School of Medicine. Watson JA. **Am J Otol** 1980 Apr;1(4):247-9

The founders of the College Victoria. Howard RN. **Aust NZ J Surg** 1981 Apr;51(2):227-38

Review of the history of the University of Copenhagen and the Faculty of Medicine. Behnke O. **Dan Med Bull** 1980 May;27 Suppl 1:1-4

'On the same terms precisely': the women's medical fund and the Johns Hopkins School of Medicine. McPherson MP. **J Am Med Wom Assoc** 1981 Feb;36(2):37-40

Fulfilling the promise: Hopkins women before World War II. Thomas CB. **J Am Med Wom Assoc** 1981 Feb;36(2):40-3

Anatomy in Arkansas' Medical College 1879-1979. The history of a department part 1 - where. Marvin HN. **J Arkansas Med Soc** 1980 Dec;77(7):253-64

Anatomy in Arkansas' Medical College 1879-1979. The history of a department. Marvin HN. **J Arkansas Med Soc** 1981 Jan;77(8):305-12

Anatomy in Arkansas' Medical College, 1879-1979, the history of a department. Part III of IV parts: 'To whom.' Marvin HN. **J Arkansas Med Soc** 1981 Feb;77(9):347-52

Anatomy in Arkansas' Medical College, 1879-1979, the history of a department 'By Whom'. Marvin HN. **J Arkansas Med Soc** 1981 Mar;77(10):386-419

The conquest of scarlet fever: some Johns Hopkins contributions. Harvey AM. **Johns Hopkins Med J** 1980 Aug;147(2):53-63

UMC four-year medical school observes 25th anniversary. Lobeck C. **Mo Med** 1981 Jun;78(6):293, 297

At the hundredth anniversary of the Department of Histology of the Bucharest Faculty of Medicine. Diculescu I, et al. **Morphol Embryol (Bucur)** 1980 Jul-Sep; 26(3):199-204

The 100th anniversary of the Jassy Faculty of Medicine and an historical approach to the evolution of its department of histology. Munteanu A, et al. **Morphol Embryol (Bucur)** 1980 Oct-Dec;26(4):371-3

First graduate--USD School of Medicine. Lyle Hare, M.D. family practitioner. Hare HJ. **SD J Med** 1981 May; 34(5):70-1

The founding of the medical school in Singapore (Part I). Lee YK. **Singapore Med J** 1980 Jun;21(3):544-55

The founding of the medical school in singapore (Part II). Lee YK. **Singapore Med J** 1980 Aug;21(4):666-76

Women at the Medical College of Georgia. Spalding P. **South Med J** 1981 Feb;74(2):221-4

The Department of Surgery, University of the Orange Free State--the first decade. Nel CJ. **S Afr J Surg** 1980 Sep; 19(3):81-6 (Eng. Abstr.) **(Afr)**

[The anti-fascist battle on the health front. A remembrance of the illegal activities at Bulovka during the occupation] Boleček O. **Cas Lek Cesk** 1980 May 9;119(19):538-42 **(Cze)**

[How health personnel was educated in Olomouc in the early days] Slavětínský M. **Cesk Gynekol** 1981 May;46(4):321-2 **(Cze)**

[The Pharo. School. Tradition-permanence-future] Voelckel J. **Med Trop (Mars)** 1980 Nov-Dec;40(6):635-8 **(Fre)**

[The history of the Medical Faculty of Basel in the first third of this century] Rintelen F. **Gesnerus** 1981;38(1-2):93-104 (Eng. Abstr.) **(Ger)**

[50 years at the pediatric clinic of the Carl Gustav Carus Medical Academy at Dresden and its early history] Dietzsch HJ. **Kinderaerztl Prax** 1981 Jun;49(6):318-26 (Eng. Abstr.) **(Ger)**

[Philosophic-philologic element in the medical school. A contribution to medical history meant more for formation than information. I] Pfohl G. **Med Welt** 1980 Apr 25; 31(17):644-6 contd **(Ger)**

[Philosophic-philologic element in the medical school. A contribution to medical history meant more for formation than information. II] Pfohl G. **Med Welt** 1980 May 9; 31(19):730-3 **(Ger)**

[Ernst von Bergmann. Retrospective on his life on the occasion of the dedication of the Medical Academy of Munich] Linde E. **MMW** 1981 May 1;123(18):751-2 **(Ger)**

[Reorganization of the Cracow Medical School 200 years ago] Kapronczay K. **Orv Hetil** 1980 Oct 19;121(42):2596-8

(Hun)
[Hungarian students at the University of Vienna (1770–1848)] Kapronczay K. **Orv Hetil** 1980 Oct 5;121(40):2467–9 (Hun)
[Polish medical students in Kaunas 1940–1942] Bąk S. **Arch Hist Med (Warsz)** 1980;43(1):81–8 (Pol)
[Polish medical students in Kaunas during World War II. Reminiscences of a former student] Dawidowicz A. **Arch Hist Med (Warsz)** 1980;43(1):57–79 (Pol)
[School of Surgery in Warsaw (1789–1793, 1795–1796). Contribution to the history of the school] Ostrowska T. **Arch Hist Med (Warsz)** 1980;43(1):21–36 (Eng. Abstr.) (Pol)
[Underground teaching activity of Prof. Janina Kowalczykowa during the occupation in 1939–1944] Urban A. **Patol Pol** 1980 Apr–Jun;31(2):161–9 (Pol)
[Herman Fudakowski – the first head of the Chair of Clinical Chemistry in Warsaw] Kucharz E. **Wiad Lek** 1980 Jun 1; 33(11):931–4 (Pol)
[50th anniversary of the Department of Human Anatomy of the M. Gor'kii Donets Medical Institute] Zeligman SB, et al. **Arkh Anat Gistol Embriol** 1981 Apr;80(4):102–4 (Rus)
[70th anniversary (1911–1981) of the Department of Pathological Anatomy of the Saratov Medical Institute of the Order of the Red Banner of Labor] Antonov AM. **Arkh Patol** 1981;43(7):80–3 (Rus)
[Pathology and its teaching at Vilnius University (on the 400th anniversary of Vilnius University and the 200th anniversary of its Medical Faculty)] Siudikas VP, et al. **Arkh Patol** 1980;42(9):70–5 (Rus)
[50th anniversary of the Department of Pathological Anatomy of the Order of Lenin Central Institute of Advanced Training for Physicians] Smol'iannikov AV. **Arkh Patol** 1980;42(12):59–61 (Rus)
[50th anniversary of the Department of Normal Physiology of the I. M. Sechenov 1st Moscow Medical Institute (1930–1980)] Makarov VA. **Fiziol Zh SSSR** 1980 Dec; 66(12):1860–4 (Rus)
[Instruction in nutritional hygiene et Vil'nius University] Ashmianskas IuI. **Gig Sanit** 1980 Jun;(6):42–3 (Rus)
[Role of the Sanitary Hygiene Department in training physicians in preventive medicine and in the development of industrial hygiene (on the 50th anniversary of the formation of the Sanitary Hygiene Department of the I. M. Sechenov I Moscow Medical Institute)] Tarasenko NIu. **Gig Tr Prof Zabol** 1980 Oct;(10):29–32 (Rus)
[Physician postgraduate instruction in the Department of Occupational Pathology (on the 50th anniversary of the Central Institute of Advanced Physician Training)] Zorina LA, et al. **Gig Tr Prof Zabol** 1980 Oct;(10):32–4 (Eng. Abstr.) (Rus)
[From the history of the Tartu and Kazan universities] Kalnin VV, et al. **Klin Med (Mosk)** 1981 Jan;59(1):108–10 (Rus)
[50th anniversary of the Central Institute of Graduate Training of Physicians] Kovrigina MD. **Klin Med (Mosk)** 1981 Jan;59(1):4–7 (Rus)
[Centenary of the Department of Pathological Physiology of the Kirov Military Medicine Academy of the Order of Lenin and the Order of the Red Banner] Veselkin PN. **Patol Fiziol Eksp Ter** 1980;(4):3–11 (Rus)
[Activities of the Tuberculosis Chair of the Central Institute of Graduate Training of Physicians 1931–1980] Poletaev SD, et al. **Probl Tuberk** 1980 Dec;(12):3–6 (Eng. Abstr.) (Rus)
[Basic trends in preventive medicine in a health and hygiene department (1930–1980)] Kuz'min MK, et al. **Sov Med** 1981; (5):115–9 (Rus)
[Development of cardiology in the papers of scientists of Central Institute for Physician Postgraduate Training (on the 50th anniversary of the Central Institute for Physician Postgraduate Training)] Shul'tsev GP. **Sov Med** 1980; (11):120–1 (Rus)
[History of the Medical Department of Moscow University] Idel'chik KhI. **Sov Zdravookhr** 1981;(2):60–4 (Rus)
[50th anniversary of the Central Order of Lenin Institute of Higher Medical Education] Kovrigina MD. **Sov Zdravookhr** 1980;(11):13–6 (Rus)
[College traditions and the formation of the qualities of the Soviet physician] Lavrik SS, et al. **Sov Zdravookhr** 1981; (2):46–51 (Rus)
[Centenary of Tomsk University] Mendrina GI. **Sov Zdravookhr** 1981;(2):64–7 (Rus)
[History of the development of the system for higher medical education in the Soviet Union] Murav'ev MV. **Sov Zdravookhr** 1980;(11):60–3 (Rus)
[50th anniversary of the Lenin Central Institute for Advanced Medical Training] Anton'ev AA, et al. **Vestn Dermatol Venerol** 1980 Aug;(8):33–8 (Rus)
[40th anniversary of the Department of Skin and Venereal Diseases of the Kirghiz Medical Institute] Buranchiev AB, et al. **Vestn Dermatol Venerol** 1980 Nov;(11):27–9 (Eng. Abstr.) (Rus)
[50th anniversary of the Department of Roentgenology and Radiology of the Kirov Military Medical Academy] Tiurin EI, et al. **Vestn Rentgenol Radiol** 1981 Mar–Apr;(2):87–9 (Rus)
[50th anniversary of the Department of Roentgenology and Radiology of the S. M. Kirov Military Medical Academy] Kishkovskii AN, et al. **Voen Med Zh** 1980 Sep;(9):76–8 (Rus)
[60th anniversary of the Department of Microbiology I of the Sechenov Medical Institute] Kochemasova ZN, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 May;(5):113–6 (Rus)
[Establishment of the School of Medicine at Comenius University in Bratislava. 2. Efforts to establish a National University and new trends in medicine] Tichý M, et al. **Bratisl Lek Listy** 1980 Aug;74(2):234–40 (Slo)
[Establishment of the Comenius University Medical School in Bratislava. 3. The new situation] Tichý M, et al. **Bratisl Lek Listy** 1980 Dec;74(6):686–91 (Slo)
[Establishment of the medical school at Comenius University in Bratislava. 4. Initiatives of Hynek's group] Tichý M, et al. **Bratisl Lek Listy** 1981 Jan;75(1):92–7 (Slo)
[25 years of the Department of Social Medicine of the Safarik University Medical School in Košice] Filip M. **Cesk Zdrav** 1980 Oct;28(10):397–402 (Eng. Abstr.) (Slo)
[50 years of the Central Institute for Continuing Medical Education in Moscow, holder of the Order of Lenin] Makovický E. **Vnitr Lek** 1981 May;27(5):417–20 (Eng. Abstr.) (Slo)
[Fiftieth anniversary of the Catholic University's Medical School (author's transl)] Quintana C. **Rev Med Chil** 1980 Jul;108(7):645–8 (Eng. Abstr.) (Spa)

ORGANIZATION & ADMINISTRATION

The faculty of medicine: opportunities and constraints in a comprehensive national educational and science organisation. Linnet-Jepsen P. **Dan Med Bull** 1980 May; 27 Suppl 1:14–7
Organization and relationships of medical schools in the United States. Marks PA, et al. **Dan Med Bull** 1980 May; 27 Suppl 1:17–21
Medical school and hospital relationships: an inter-organizational perspective. Cohen PD. **Health Care Manage Rev** 1981 Winter;6(1):43–50
Development of a division of general medicine in a department of internal medicine. Karpf M, et al. **J Med Educ** 1981 May;56(5):390–6
A new academic career structure in general practice in Northern Ireland. Irwin WG. **J R Coll Gen Pract** 1980 Dec;30(221):740–2
University of Aden, Democratic Yemen: medical education in the People's Democratic Republic of Yemen. Bahattab AS. **Public Health Pap** 1980;2(71):183–9

STANDARDS

Sounding Boards. State approval of foreign medical schools: ensuring the quality of the training of the students and graduates from foreign medical school entering New York State. Jonas S. **N Engl J Med** 1981 Jul 2;305(1):45–8
Medical education and the Regents of the State of New York. Are the last two years of medical school really necessary? Stimmel B. **N Engl J Med** 1981 Mar 5;304(10):602–7

SUPPLY & DISTRIBUTION

One cheer for Flowers? **Br Med J** 1980 Apr 12; 280(6220):1047–8

TRENDS

First and second Moscow Medical Institutes, USSR: reform of medical syllabuses. Isakov J. **Public Health Pap** 1980; 2(71):171–81

SCHOOLS, NURSERY

Social factors influencing absenteeism due to illness in nursery school children. Pennebaker JW, et al. **Child Dev** 1981 Jun;52(2):692–700
Early childhood education for the handicapped in the 1980's: recommendations. Anastasiow NJ. **Except Child** 1981 Jan; 47(4):276–82
A model preschool for patients with phenylketonuria. Heffernan JF, et al. **J Am Diet Assoc** 1981 Sep;79(3):306–8
A toothbrushing programme for use in the school. Mor BM. **Papua New Guinea Med J** 1979;22(2):136–9
[The preschool care of visually handicapped and blind children (author's transl)] de Paoli L, et al. **Ther Umsch** 1981 Mar;38(3):269–75 (Eng. Abstr.) (Ger)
[Use of pocket-sized noise dosimeters for measuring noise levels in nurseries] Neumann G. **Z Gesamte Hyg** 1980; 26(9):679–80 (Eng. Abstr.) (Ger)
[Noise in nursery schools and hearing screening of the staff] Gärding S. **Lakartidningen** 1980 Oct 8;77(41):3633–4 (Eng. Abstr.) (Swe)

STANDARDS

[Determination of noise level as a measure of permanent noise exposure in kindergartens] Neumann G. **Paediatr Grenzgeb** 1979;18(6):425–33 (Eng. Abstr.) (Ger)

SCHOOLS, NURSING

The facts about record retention. Gaffey VA. **AANA J** 1980 Aug;48(4):347–52
Directory of specialty nursing courses: OR. **AORN J** 1980 Aug;32(2):247, 250–1 passim
Collaboration not competition: a model for nursing continuing education. Curran CL, et al. **JNE** 1981 Jun; 20(6):24–9
Second step baccalaureate programs in nursing. Galliford S. **Nurs Outlook** 1980 Oct;28(10):631–5
The National School of Midwifery, Lome, Togo. Vovor E. **Public Health Pap** 1980;2(71):159–70

STANDARDS

Careers for diabetic girls in nursing [letter] **Br Med J** 1980 Jun 28;280(6231):1616
The process of change in curriculum evaluation. Parsons MA, et al. **JNE** 1980 Sep;19(7):36–8

SCHOOLS, PHARMACY

[The 1st decade of the pharmacy school of Charles University] Květina J. **Cas Lek Cesk** 1981 Jan 30; 120(3–4):65–7 (Cze)

HISTORY

[Pharmacy history at the School of Pharmacy at Charles University] Rusek V. **Cas Lek Cesk** 1981 Jan 30; 120(3–4):100–3 (Cze)
[The first 10 years of the pharmacy school at Karlovy University] Solich J. **Cesk Farm** 1980 Sep;29(7):217–25 (Cze)
[Heinrich Wilhelm Ferdinand Wackenroder, 8 March 1798–14 September 1854. A biographical contribution to the history of the Jena Pharmaceutical Institute] Hellmuth H. **Pharmazie** 1980;34(5–6):321–3 (Ger)

STANDARDS

Time to focus on an overlooked accreditation standard. Nona DA. **Am Pharm** 1980 Sep;20(9):23

SCHOOLS, PUBLIC HEALTH

[Paramedical training in Tunisia. The Avicenna Professional School of Public Health in Tunis] Ben Yedder W. **Tunis Med** 1981 Jan–Feb;59(1):874–5 (Fre)
[The Tenth Conference of the Public Health Schools in Latin America. Final report] **Educ Med Salud** 1980;14(3):287–97 (Spa)

SCHOOLS, VETERINARY

A population health program for a school of veterinary medicine. Chibuzo GA, et al. **J Am Vet Med Assoc** 1980 Dec 15;177(12):1227–30
Epidemic of psittacosis in College of Veterinary Medicine. Filstein MR, et al. **J Am Vet Med Assoc** 1981 Sep 15; 179(6):569–72

HISTORY

Private veterinary colleges in the United States, 1852–1927. Miller EB. **J Am Vet Med Assoc** 1981 Mar 15;178(6):583–93 (84 ref.)

SCHUELLER-CHRISTIAN DISEASE see **HAND-SCHUELLER-CHRISTIAN SYNDROME**

SCHWANN CELLS

Lepromatous leprosy as a model of Schwann cell pathology and lysosomal activity. Dastur DK, et al. **Clin Exp Neurol** 1979;16:277–93

ANALYSIS

Immunocytochemical localization of P0 protein in Golgi complex membranes and myelin of developing rat Schwann cells. Trapp BD, et al. **J Cell Biol** 1981 Jul;90(1):1–6
Studies on cultured rat Schwann cells. III. Assays for peripheral myelin proteins. Brockes JP, et al. **J Neurocytol** 1980 Feb;9(1):67–77
The localization of sodium and calcium to schwann cell paranodal loops at nodes of Ranvier and of calcium to compact myelin. Ellisman MH, et al. **J Neurocytol** 1980 Apr;9(2):185–205

CYTOLOGY

Enrichment of Schwann cell cultures from neonatal rat sciatic nerve by differential adhesion. Kreider BQ, et al. **Brain Res** 1981 Mar 2;207(2):433–44
Ongoing block of Schwann cell differentiation and deployment in dystrophic mouse spinal roots. Perkins CS, et al. **Brain Res** 1981 Apr;227(2):213–20
The distribution of neuroglia and schwann cells in the 8th nerve of man. Bridger MW, et al. **J Laryngol Otol** 1980 Dec;94(12):1353–62
Survival, proliferation and morphological specialization of mouse Schwann cells in a serum-free, fully defined medium. Skaper SD, et al. **J Neurocytol** 1980 Oct; 9(5):683–97
Schwann cells proliferate but fail to differentiate in defined medium. Moya F, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6902–6

IMMUNOLOGY

EAE, EAN and galactocerebroside sera bind to oligodendrocytes and Schwann cells. Lisak RP, et al. **J Neurol Sci** 1980 Nov;48(2):287–96
Fresh and predegenerate nerve allografts and isografts in

trembler mice. Pollard JD, et al. **Muscle Nerve** 1981 Jul-Aug;4(4):274-81

METABOLISM

Lipid metabolism in peripheral nerve cell culture (rich in Schwann cells) from normal and trembler mice. Bourre JM, et al. **J Neurochem** 1981 Aug;37(2):272-5

Synthesis of sulfatide by cultured rat Schwann cells. Fryxell KJ. **J Neurochem** 1980 Dec;35(6):1461-4

Acetylcholine synthesis in the Schwann cell and axon in the giant nerve fiber of the squid. Heumann R, et al. **J Neurochem** 1981 Feb;36(2):765-8

PATHOLOGY

Proliferation of Schwann cells in tellurium-induced demyelination in young rats. A radioautographic and teased nerve fiber study. Said G, et al. **Acta Neuropathol (Berl)** 1981;53(3):173-9

PHYSIOLOGY

Diffusion models for the squid axon Schwann cell layer. Taylor RE, et al. **Biophys J** 1980 Jan;29(1):95-117

Development of axonal membrane specializations defines nodes of Ranvier and precedes Schwann cell myelin elaboration. Wiley-Livingston C, et al. **Dev Biol** 1980 Oct; 79(2):334-55

Behavior of schwann cells from trembler mouse unmyelinated fibers transplanted into myelinated nerves. Perkins CS, et al. **Exp Neurol** 1981 Mar;71(3):515-26

Purification and preliminary characterization of a glial growth factor from the bovine pituitary. Brockes JP, et al. **J Biol Chem** 1980 Sep 25;255(18):8374-7

Schwann cell myelination in the nerve fibre layer of the BW rat retina. Wyse JP. **J Neurocytol** 1980 Feb;9(1):107-17

Schwann cell involvement in the neurological lesion of the dystonic mutant mouse. A nerve grafting study. Moss TH. **J Neurol Sci** 1981 Feb;49(2):207-22

Schwann cell multiplication in Trembler mice. Perkins CS, et al. **Neuropathol Appl Neurobiol** 1981 Mar-Apr; 7(2):115-26

Remyelination in human CNS lesions. Hommes OR. **Prog Brain Res** 1980;53:39-63 (82 ref.)

RADIATION EFFECTS

The human acoustic neurinoma in organ culture. II. Tissue changes after gamma irradiation. Anniko M, et al. **Acta Otolaryngol (Stockh)** 1981 Mar-Apr;91(3-4):223-35

Intramedullary Schwann cell development following x-irradiation of mid-thoracic and lumbosacral spinal cord levels in immature rats. Heard JK, et al. **Anat Rec** 1980 May;197(1):85-93

SECRETION

Observations on the role of Schwann cell secretion in Schwann cell--axon interactions. Bunge R, et al. **Adv Biochem Psychopharmacol** 1981;28:229-42 (30 ref.)

TRANSPLANTATION

Survival of nerve and Schwann cells in allografts after cyclosporin A treatment. Zalewski AA, et al. **Exp Neurol** 1980 Nov;70(2):219-25

Transplantation of rat Schwann cells grown in tissue culture into the mouse spinal cord. Duncan ID, et al. **J Neurol Sci** 1981 Feb;49(2):241-52

ULTRASTRUCTURE

Ultrastructural and cytochemical characteristics of cultured rat Schwann cells. Odenwald WF, et al. **Acta Neuropathol (Berl)** 1981 Jun;54(2):135-42

Ultrastructure of nerve in erythema nodosum leprosum (ENL). Anthony J, et al. **Cytobios** 1979;26(102):109-12

Structure and behavior of rat primary and secondary Schwann cells in vitro. Dubois-Dalcq M, et al. **Exp Cell Res** 1981 Feb;131(2):283-97

Three dimensional analysis of Schwann cells associated with unmyelinated nerve fibres in human sural nerve. Carlsen F, et al. **J Anat** 1980 May;130(3):545-57

Aberrant axon-Schwann cell junctions in dystrophic mouse nerves. Rosenbluth J. **J Neurocytol** 1979 Oct;8(5):655-72

The pathogenesis of primary internodal demyelination produced by acetyl ethyl tetramethyl tetralin: evidence for preserved Schwann cell somal function. Sterman AB, et al. **J Neuropathol Exp Neurol** 1981 Mar;40(2):112-21

Remodelling during remyelination in the peripheral nervous system. Bonnaud-Toulze EN, et al. **Neuropathol Appl Neurobiol** 1980 Jul-Aug;6(4):279-90

The fine structure of colonic submucosal nerves in patients with chronic laxative abuse. Riemann JF, et al. **Scand J Gastroenterol** 1980;15(6):761-8

SCHWARTZ-BARTTER SYNDROME see **INAPPROPRIATE ADH SYNDROME**

SCIATIC NERVE

Anterior approach to block of the sciatic nerve. Economacos G, et al. **Acta Anaesthesiol Belg** 1980;31 Suppl:229-31

Nerve blocking of the sciatic and femoral nerves. Continual block with vein catheter on 44 patients. Economacos G, et al. **Acta Anaesthesiol Belg** 1980;31 Suppl:223-8

The piriformis muscle syndrome. Sciatic nerve entrapment treated with section of the piriformis muscle. Solheim LF, et al. **Acta Orthop Scand** 1981 Feb;52(1):73-5

Alcohol neurolysis of sciatic and femoral nerves. Singler RC. **Anesth Analg (Cleve)** 1981 Jul;60(7):532-3

Development of ongoing activity, mechanosensitivity, and adrenaline sensitivity in severed peripheral nerve axons. Scadding JW. **Exp Neurol** 1981 Aug;73(2):345-64

Myositis ossificans in the biceps femoris muscles causing sciatic nerve palsy. A case report. Jones BV, et al. **J Bone Joint Surg [Br]** 1980 Nov;62-B(4):506-7

ANALYSIS

Lipid organization in peripheral nerve: natural abundance carbon-13 NMR spectroscopy on intact tissues. Wedmid Y, et al. **Biochem Biophys Res Commun** 1980 Nov 17; 97(1):139-47

Isolation of neurofilament proteins and of immunologically active neurofilament degradation products from extracts of brain, spinal cord and sciatic nerve. Dahl D. **Biochim Biophys Acta** 1981 Apr 28;668(2):299-306

The PO glycoprotein of peripheral nerve myelin. Ishaque A, et al. **Can J Biochem** 1980 Oct;58(10):913-21

Comparison of the proteins of 10 nm filaments from rabbit sciatic nerve and spinal cord by electrophoresis in two dimensions. Czosnek H, et al. **FEBS Lett** 1980 Aug 11; 117(1):175-8

Sciatin: purification and characterization of a myotrophic protein from chicken sciatic nerves. Markelonis GJ, et al. **J Biol Chem** 1980 Oct 10;255(19):8967-70

Antibodies to neurofilament, glial filament, and fibroblast intermediate filament proteins bind to different cell types of the nervous system. Yen SH, et al. **J Cell Biol** 1981 Jan;88(1):115-26

Sciatic nerve contains alkanes; comparison between normal mice and neurological mutants--Jimpy, Quaking and Trembler. Darriet D, et al. **J Neurochem** 1978 Dec; 31(6):1541-3

Characterization of the basic proteins from rodent peripheral nervous system myelin. Greenfield S, et al. **J Neurochem** 1980 Feb;34(2):453-5

Microanalysis of perineural calcification in diabetic nephropathy. Kalimo H, et al. **Muscle Nerve** 1981 May-Jun;4(3):228-33

A neuronal cell-surface antigen is found in the CNS but not in peripheral neurones. Cohen J, et al. **Nature** 1981 Jun 4;291(5814):421-3

[Structural modifications of the sciatic nerve in rats on different fat diets (author's transl)] Gallai V, et al. **Riv Patol Nerv Ment** 1979 May-Jun;100(3):143-55 (Eng. Abstr.) **(Ita)**

ANATOMY & HISTOLOGY

The precise geometry of large internodes. Friede RL, et al. **J Neurol Sci** 1980 Dec;48(3):367-81

In vivo structure of frog sciatic nerve myelin membranes: an x-ray diffraction study at 13A resolution. Padrón R, et al. **J Neurosci Res** 1981;6(2):251-60

CYTOLOGY

Enrichment of Schwann cell cultures from neonatal rat sciatic nerve by differential adhesion. Kreider BQ, et al. **Brain Res** 1981 Mar 2;207(2):433-44

The neurotoxicity of 5-nonanone: preliminary report. Shifman MA, et al. **Toxicol Lett** 1981 Jun-Jul;8(4-5):283-8

DRUG EFFECTS

Effects of cold and melatonin on the microtubules of the toad sciatic nerve. Piezzi RS, et al. **Anat Rec** 1981 May; 200(1):115-20

A dynamic X-ray diffraction study of anaesthesia action. Changes in myelin structure and electrical activity recorded simultaneously from frog sciatic nerves treated with n-alkanes. Padrón R, et al. **Biochim Biophys Acta** 1980 Nov 4;602(2):221-33

Acrylamide and 2,5-hexanedione neuropathies: abnormal bidirectional transport rate in distal axons. Sahenk Z, et al. **Brain Res** 1981 Aug 31;219(2):397-405

The morphological changes in unmyelinated peripheral nerve fibers exposed to low sodium and high potassium concentrations. Ho KC, et al. **J Neurol Sci** 1981 May; 50(2):229-38

Study on the pharmacological actions of beta-adrenoceptor blockers with reference to their physico-chemical properties. Hachisu M, et al. **J Pharmacobiodyn** 1980 Apr; 3(4):183-90

Inhibition of sciatic nerve sterologenesis in hexacarbon-induced distal axonopathy in the rat. Gillies PJ, et al. **Toxicol Appl Pharmacol** 1980 Jun 30;54(2):217-22

Effect of 2,5-Hexanedione on lipid biosynthesis in sciatic nerve and brain of the rat. Gillies PJ, et al. **Toxicol Appl Pharmacol** 1980 Jun 30;54(2):210-6

Interactions of thiopentone, light mineral oil, and pressure at frog sciatic nerve. Armon C, et al. **Undersea Biomed Res** 1981 Jun;8(2):121-6

[Experimental neuritis in the rat: absence of effect of metronidazole] Eandi M, et al. **Boll Soc Ital Biol Sper** 1980 Jan 15;56(1):8-14 (Eng. Abstr.) **(Ita)**

[Evaluation in vitro of the local anesthetic effect by means of the dose/stabilization effect curve] Eandi M, et al. **Boll Soc Ital Biol Sper** 1980 Jan 15;56(1):1-7 (Eng. Abstr.) **(Ita)**

[Preliminary evaluation of therapeutic value of depot-medrol, administered extradurally, in lumbar discopathy] Gdakowicz B. **Wiad Lek** 1980 Oct 15; 33(20):1617-20 (Eng. Abstr.) **(Pol)**

ENZYMOLOGY

Creatine kinase isoenzyme patterns in neoplasms of peripheral nerve. Balaton J, et al. **Clin Chem** 1980 Dec;26(13):1888-9

Transport of acid phosphatase in normal and transected rat sciatic nerve. Krikorian JG, et al. **Exp Neurol** 1980 Dec; 70(3):665-74

Axonal transport of the molecular forms of acetylcholinesterase in chick sciatic nerve. Couraud JY, et al. **J Neurochem** 1980 Nov;35(5):1053-66

Transported enzymes in sciatic nerve and sensory ganglia of rats exposed to maternal antibodies against nerve growth factor. McDougal DB Jr, et al. **J Neurochem** 1981 May; 36(5):1847-52

Evidence for the association of 2',3'-cyclic-nucleotide 3'-phosphodiesterase with myelin-related membranes in peripheral nervous system. Matthieu JM, et al. **J Neurochem** 1980 Dec;35(6):1345-50

Transport and turnover of acetylcholinesterase and choline acetyltransferase in rat sciatic nerve and skeletal muscle. Wooten GF, et al. **J Neurochem** 1980 Feb;34(2):359-66

Cholesterol esterifying enzyme in normal and degenerating peripheral nerve. Yao JK, et al. **J Neurochem** 1981 Jul; 37(1):156-63

Low myelin basic protein levels and normal myelin in peripheral nerves of myelin deficient mutant mice (MLD). Matthieu JM, et al. **Neuroscience** 1980;5(12):2315-20

GROWTH & DEVELOPMENT

Developmental changes in rat sciatic nerve myelin. Linington C, et al. **Biochem Soc Trans** 1981 Feb;9(1):114-5

INJURIES

Femoral and sciatic neuropathies after total hip arthroplasty. Solheim LF, et al. **Acta Orthop Scand** 1980 Jun;51(3):531-4

Severe femoral neuropathy with 'hanging leg' syndrome. Rottenberg MF, et al. **Arch Phys Med Rehabil** 1981 Aug; 62(8):404-6

Substance P in spinal cord dorsal horn decreases following peripheral nerve injury. Barbut D, et al. **Brain Res** 1981 Feb 2;205(2):289-98

Rapid effect of nerve injury upon axonal transport of phospholipids. Dziegielewska KM, et al. **J Physiol (Lond)** 1980 Jul;304:83-98

METABOLISM

Ionic shifts in myelinated nerve fibers during early stages of Wallerian degeneration. Schlote W, et al. **Acta Neuropathol [Suppl] (Berl)** 1981;7:31-5

Conditioning hyperpolarization-induced delays in the potassium channels of myelinated nerve. Begenisich T. **Biophys J** 1979 Aug;27(2):257-65

Inhibition of rapid axonal transport in vitro by the ionophores X-537 A and A 23187. Kanje M, et al. **Brain Res** 1981 Jan 5;204(1):43-50

Abnormal sulfate metabolism in a hereditary demyelinating neuropathy. Matthieu JM, et al. **Brain Res** 1980 Nov 3; 200(2):457-65

An immunological characterization of the basic proteins of rodent sciatic nerve myelin. Milek DJ, et al. **Brain Res** 1981 Mar 16;208(2):387-96

Rapid orthograde transport of 32P-labelled material in amphibian sensory axons: a multiwire proportional chamber study. Snyder RE, et al. **Can J Physiol Pharmacol** 1980 May;58(5):513-24

Lipid metabolism in peripheral nerve cell culture (rich in Schwann cells) from normal and trembler mice. Bourre JM, et al. **J Neurochem** 1981 Aug;37(2):272-5

Reversal of axonal transport in regenerating nerves. Bulger VT, et al. **J Neurochem** 1978 Dec;31(6):1411-8

Ca2+- or Mg2+-dependent enzymatic ATP hydrolysis associated with the microsomal fraction of frog sciatic nerves. Edström A, et al. **J Neurochem** 1980 Aug; 35(2):297-303

Uptake of Vinca alkaloids into mammalian nerve and its subcellular components. Iqbal Z, et al. **J Neurochem** 1980 Jan;34(1):59-68

Alterations of inositol lipid metabolism of rat sciatic nerve in streptozotocin-induced diabetes. Natarajan V, et al. **J Neurochem** 1981 Feb;36(2):413-9

Kinetics of entry P0 protein into peripheral nerve myelin. Rapaport RN, et al. **J Neurochem** 1981 Jul;37(1):164-71

The sequential alterations of endoneurial cholesterol and fatty acid in Wallerian degeneration and regeneration. Yao JK, et al. **J Neurochem** 1980 Oct;35(4):933-40

Effects of mitosis inhibitors on respiration and fast axonal transport in frog sciatic nerves. Hanson M. **Mol Pharmacol** 1981 Mar;19(2):291-4

Incorporation of fucose and leucine into PNS myelin proteins in nerves undergoing early Wallerian degeneration. Peterson RG, et al. **Neurochem Res** 1981 Feb;6(2):213-23

The lipid composition of light and heavy myelin subfractions isolated from rabbit sciatic nerve. Linington C, et al.

Neurosci Lett 1980 Nov;20(2):211–5

PATHOLOGY

A comparative study of neuropathologic changes following pulsed and direct current stimulation of the mouse sciatic nerve. Hughes GB, et al. **Am J Otolaryngol** 1980 Nov; 1(5):378–84

Axonal lesions in acute experimental demyelination: a sequential teased nerve fiber study. Said G, et al. **Neurology (NY)** 1981 Apr;31(4):413–21

[Effect of pyrithiamine on rat sciatic nerve. (II) Morphological changes during the last stages of thiamine deficiency (author's transl)] Oguchi E, et al. **Nippon Yakurigaku Zasshi** 1980 Oct;76(7):567–80 (Eng. Abstr.) **(Jpn)**

[Effect of pyrithiamine on rat sciatic nerve. (I) Morphological changes during the early stage of thiamine deficiency (author's transl)] Oguchi E, et al. **Nippon Yakurigaku Zasshi** 1980 Oct;76(7):553–65 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Inhibitory action of morphine on the release of a bradykinin-like substance after sciatic nerve stimulation. Inoki R, et al. **Arch Int Pharmacodyn Ther** 1980 Oct; 247(2):283–93

Effect of protein cross-linking aldehydes on nerve activity. Margineanu DG, et al. **Arch Int Physiol Biochim** 1981 May; 89(2):159–65

Role of arginase in sciatectomized muscle. Mohanachari V, et al. **Arch Int Physiol Biochim** 1981 May;89(2):97–100

Interaction of polymyxin with vertebrate peripheral nerve axons. Kendig JJ, et al. **Biochem Biophys Res Commun** 1980 Nov 17;97(1):75–80

Possible correlation between binding of muscle type AMP deaminase to myofibrils and ammoniagenesis in rat skeletal muscle on electrical stimulation. Shiraki H, et al. **Biochem Biophys Res Commun** 1981 Jun 16;100(3):1099–103

Are axonally transported proteins released from sciatic nerves? Tedeschi B, et al. **Brain Res** 1981 Apr 27; 211(1):175–8

The effect of peripheral nerve injury on dorsal root potentials and on transmission of afferent signals into the spinal cord. Wall PD, et al. **Brain Res** 1981 Mar 23;209(1):95–111

Muscarinic cholinergic receptors flow in the sciatic nerve. Wamsley JK, et al. **Brain Res** 1981 Jul 27;217(1):155–61

Effects of sciatic nerve stimulation on ACTH secretion, in intact and in variously hypothalamic deafferentated male rats. Feldman S, et al. **Exp Brain Res** 1981;42(3–4):486–8

Trophic activity of sheep sciatic nerve extracts in skeletal muscle cultures from normal and dystrophic chick embryos: failure of dystrophic muscle to respond. Johnson DD, et al. **Exp Neurol** 1981 Aug;73(2):421–9

Effects of sensory inputs on the excitability of the crossed extension reflex. McMillan JA, et al. **Exp Neurol** 1981 Jul; 73(1):233–42

Stimulation of protein synthesis in cultured skeletal muscle by a trophic protein from sciatic nerves. Markelonis G, et al. **Exp Neurol** 1980 Dec;70(3):598–612

Regeneration of the severed sciatic nerve after its experimental reconnection. Zyablov VI, et al. **Folia Morphol (Praha)** 1981;29(1):104–6

Variations in total free amino acids & aminotransferase activity as a function of denervation atrophy & ammonia stress in selected tissues of frog Rana hexadactyla (Lesson). Naidu RC, et al. **Indian J Exp Biol** 1980 Oct;18(10):1114–8

The short term accumulation of axonally transported organelles in the region of localized lesions of single myelinated axons. Smith RS. **J Neurocytol** 1980 Feb; 9(1):39–65

The effect of the repetitive propagation of action potentials on the structure of toad sciatic nerve myelin membranes: an x-ray diffraction study at 11 A resolution. Padrón R, et al. **J Neurosci Res** 1980;5(6):611–20

The effects of dibutyryl cyclic adenosine monophosphate on the degeneration and regeneration of crush-lesioned rat sciatic nerves. Gershenbaum MR, et al. **Neuroscience** 1980; 5(9):1565–80

ACTH accelerates recovery of neuromuscular function following crushing of peripheral nerve. Strand FL, et al. **Peptides (Fayetteville)** 1980 Summer;1(2):135–8

PHYSIOPATHOLOGY

Motor conduction velocity (MCV) in insulin-dependent and non-insulin-dependent diabetics with and without clinical peripheral neuropathy. Fedele D, et al. **Diabete Metab** 1980 Sep;6(3):189–92

Retrograde axonal transport. A possible role in the development of neuropathy. Sidenius P, et al. **Diabetologia** 1981 Feb;20(2):110–2

Researches on neuro-muscular functional parameters in experimentally hyperthyroidized rats and in human hyperthyroidism. Aşgian B, et al. **Endocrinologie** 1980 Oct-Dec;18(4):251–8

Analysis of peripheral nerve function in streptozotocin diabetic rats. Jefferys JG, et al. **J Neurol Sci** 1980 Dec; 48(3):435–44

Increased endoneurial fluid pressure following injection of histamine and compound 48/80 into rat peripheral nerves. Powell HC, et al. **Lab Invest** 1980 Dec;43(6):564–72

[Anatomical and functional characteristics of nerve degeneration and regeneration in traction injuries] Bisenkov NP, et al. **Arkh Anat Gistol Embriol** 1980 Nov;79(11):28–35 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Effects of proton irradiation of the lumbar intumescence on intra-axonal transport of acetylcholine and cholinergic enzymes in rat sciatic nerve. Bööj S, et al. **Acta Radiol Oncol Radiat Phys Biol** 1980;19(5):387–93

SURGERY

Choline acetyltransferase nerve identification method in early and late nerve repair. Ganel A, et al. **Ann Plast Surg** 1981 Mar;6(3):228–30

Effect of denervation of neonatal rat sciatic nerve on the differentiation of myosin in a single muscle fiber. Ishiura S, et al. **Exp Neurol** 1981 Aug;73(2):487–95

Experimental study of the regenerative potential of perineurium at a site of nerve transection. Behrman JE, et al. **J Neurosurg** 1981 Jan;54(1):79–83

Intramedullary nerve implantation in amputation and other traumatic neuromas. Hemmy DC. **J Neurosurg** 1981 Jun; 54(6):842–3

[Experimental EMG-anatomopathological study of rabbits treated with Cialit grafts for the repair of sciatic nerve loss of substance] Zanlungo M, et al. **Arch Sci Med (Torino)** 1981 Jan-Mar;138(1):37–8 (Eng. Abstr.) **(Ita)**

TRANSPLANTATION

Experimental observations on the behaviour of nerve grafts in sheaths formed around silicone rods. Berry RB, et al. **Br J Plast Surg** 1980 Jul;33(3):324–39

ULTRASTRUCTURE

The spaces between membrane bilayers within PNS myelin as characterized by X-ray diffraction. Blaurock AE. **Brain Res** 1981 Apr 6;210(1–2):383–7

Ultracytochemical identification of catecholamine-containing vesicles in the ligated sciatic nerve of the rat. Comparison with sympathetic nerve terminals. Lascar G. **Cell Tissue Res** 1980;209(3):433–54

SCIATICA

see related
INTERVERTEBRAL DISK DISPLACEMENT

COMPLICATIONS

[Lumbar spondylolisthesis and nerve-root compression. Surgical experience with 19 cases without spinal fusion (author's transl)] Benini A. **Neurochirurgia (Stuttg)** 1980 Sep;23(5):167–75 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

[Non discal surgical sciatic neuralgia (author's transl)] Duplay J, et al. **Sem Hop Paris** 1981 Jun 18–25;57(25–28):1242–5 (Eng. Abstr.) **(Fre)**

DRUG THERAPY

Control of sciatic-type pain [letter] Pybus PK. **S Afr Med J** 1980 Dec 27;58(26):1024

[Preliminary evaluation of therapeutic value of depot-medrol, administered extradurally, in lumbar discopathy] Gdakowicz B. **Wiad Lek** 1980 Oct 15; 33(20):1617–20 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Unicyclist's sciatica--a case report [letter] Gold S. **N Engl J Med** 1981 Jul 23;305(4):231–2

Stenosis of the lumbar vertebral canal and sciatica. Verbiest H. **Neurosurg Rev** 1980;3(1):75–89

Chymopapain chemonucleolysis. A preliminary report. Ravichandran G, et al. **Spine** 1980 Jul-Aug;5(4):380–4

[Neuropathy of the lumbosacral plexus caused by an aneurysm of the abdominal aorta] Tijssen CC, et al. **Ned Tijdschr Geneeskd** 1981 Aug 1;125(31):1231–5 (Eng. Abstr.) **(Dut)**

[Thombosis of a persistent sciatic artery: a rare cause of severe ischemia in the lower limb (author's transl)] Juillet Y, et al. **J Mal Vasc** 1980;5(1):21–3 (Eng. Abstr.) **(Fre)**

[Ureteral and kidney pathology revealed by sciatica: 2 case reports (letter)] Aimard G, et al. **Nouv Presse Med** 1980 May 31;9(24):1713 **(Fre)**

[Sciatica due to chronic spontaneous lumbar epidural haematoma. Report of a case simulating a protruded disk syndrome (author's transl)] Delmas M, et al. **Sem Hop Paris** 1981 Jan 18–25;57(3–4):173–7 (Eng. Abstr.) **(Fre)**

[Etiopathogenesis and conservative treatment of idiopathic lumbar sciatica] Surace A, et al. **Chir Ital** 1979 Aug;31 Suppl 1(4):128–35 **(Ita)**

[Physiopathology of fin swimming. II. Clinical data] Sereni G, et al. **Minerva Med** 1981 May 31;72(22):1405–8 (Eng. Abstr.) **(Ita)**

[Sciatica of non-disc origin (the superior facet syndrome and stenosis of the lumbar spinal canal)] Graziussi G, et al. **Riv Neurobiol** 1979 Oct-Dec;25(4):472–9 (Eng. Abstr.) **(Ita)**

PHYSIOPATHOLOGY

Facilitation of the H-reflex in low back pain. Hoehler FK, et al. **Electromyogr Clin Neurophysiol** 1981 Feb-Mar; 21(2–3):207–12

[Sciatica] Bronisch FW. **Med Monatsschr Pharm** 1979 Feb; 2(2):41–4 **(Ger)**

[Diurnal rhythm of pain in sciatica. Preliminary report] Domżał T, et al. **Neurol Neurochir Pol** 1980 May-Jun; 14(3):253–8 (Eng. Abstr.) **(Pol)**

[Electromyographic study of mentalis muscle reaction to pain] Domżał T, et al. **Neurol Neurochir Pol** 1980 May-Jun; 14(3):263–7 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Computed tomography in sciatica. Carrera GF, et al. **Radiology** 1980 Nov;137(2):433–7

[Metrizamide radiculography with simplified dynamic test (author's transl)] Metzger J, et al. **Nouv Presse Med** 1980 Mar 12;9(17):1219–22 (Eng. Abstr.) **(Fre)**

[The value of compute tomography in 'sciatica' (author's transl)] Böhm-Jurkovic H, et al. **Wien Med Wochenschr** 1981;131(11):283–6 (Eng. Abstr.) **(Ger)**

[Epidural venography in the diagnosis of lumbar disease (author's transl)] Gasparini D, et al. **Radiol Med (Torino)** 1980 Apr;66(4):219–26 (Eng. Abstr.) **(Ita)**

SURGERY

Intraoperative straight-leg raising during laminectomy and disk excision for sciatica. Graham GE. **Clin Orthop** 1981 Jan-Feb;(154):343–4

[Non-discal surgical sciatic neuralgia (author's transl)] Duplay J, et al. **Ann Chir** 1981 Jan;35(1):58–61 (Eng. Abstr.) **(Fre)**

THERAPY

Auto-traction for treatment of lumbago-sciatica. A multicentre controlled investigation. Larsson U, et al. **Acta Orthop Scand** 1980 Oct;51(5):791–8

Treatment of sciatica [letter] Snaith M. **Br Med J** 1980 Nov 1;281(6249):1217

Treatment of sciatica [letter] Bullock RG. **Br Med J [Clin Res]** 1981 Jan 3;282(6257):70–1

Chemonucleolysis for relief of sciatica due to a herniated intervertebral disc. McCulloch JA. **Can Med Assoc J** 1981 Apr 1;124(7):879–82

Conservative treatment of discogenic paralytic sciatica. Mitkov V, et al. **Folia Med (Plovdiv)** 1980;22(4):36–9

Evaluation of the physical management of low back pain. Rose MJ. **Int Rehabil Med** 1979;1(2):83–6 (50 ref.)

Multicentre trial of physiotherapy in the management of sciatic symptoms. Coxhead CE, et al. **Lancet** 1981 May 16;1(8229):1065–8

Lumbar facet joint injection in low back pain and sciatica: description of technique. Carrera GF. **Radiology** 1980 Dec; 137(3):661–4

Lumbar facet joint injection in low back pain and sciatica: preliminary results. Carrera GF. **Radiology** 1980 Dec; 137(3):665–7

Control of sciatic-type pain [letter] Gordon VN. **S Afr Med J** 1981 Feb 21;59(8):251

[Physiotherapeutic treatment of ischialgias and after intervertebral disk surgery] Thies U, et al. **Z Aerztl Fortbild (Jena)** 1980 Jan 1;74(1):14–6 **(Ger)**

[Acupuncture in headache and radicular syndromes] Domżał T, et al. **Neurol Neurochir Pol** 1980 May-Jun;14(3):259–62 (Eng. Abstr.) **(Pol)**

[Effectiveness of a UHF electrical field at 40.68 and 27.12 MHz in vertebrogenic pains and suppurative-inflammatory processes] Skurikhina LA, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Mar-Apr; (2):52–4 **(Rus)**

SCIENCE

see related
RELIGION AND SCIENCE

The relation of the sciences to human and religious values. Burhoe RW. **Adv Biol Med Phys** 1977;16:323–31

Art and science in imaging. Hayes TL. **Adv Biol Med Phys** 1977;16:349–51

Moiré patterns in science and art. Oster G. **Adv Biol Med Phys** 1977;16:333–47

H. P. Smith Award Lecture. Miale JB. **Am J Clin Pathol** 1981 May;75(5):639–41

Papers in science and public policy I. **Ann NY Acad Sci** 1981; 368:1–235

Nonscientist participation in the peer review process: is it desirable? Is it implementable? Who are the nonscientists who should become involved? A panel discussion. Schwarcz SL, et al. **Ann NY Acad Sci** 1981;368:213–28

The relationship between MCAT science subtest scores and performance in medical school - the impact of the undergraduate institution. Zeleznik C, et al. **Annu Conf Res Med Educ** 1980;(19):257–62

The role of science in speech-language pathology and audiology. Schiefelbusch RL. **ASHA** 1980 Oct;22(10):906–8

Dentistry: its debt to the basic sciences. Anderson DJ. **Br Dent J** 1981 Jul 7;151(1):1

Psychoanalysis as a human science. Will D.

Br J Med Psychol 1980 Sep;53(3):201–11
Litterae, scientia, et humanitas. Wilson FC. **Clin Orthop** 1980 Jul–Aug;(150):308–11
Successful freeze–preservation of human granulocytes. Zaroulis CG, et al. **Cryobiology** 1980 Jun;17(3):311–7
Human brain functions and the foundations of science. Roederer JG. **Endeavour** 1979;3(3):99–103
Science sans frontières: communication in European clinical science. Dowling H. **Eur J Clin Invest** 1980 Aug; 10(4):253–5
Science, scientists, and society: the 1980's. Darby WJ. **Fed Proc** 1980 Oct;39(12):2943–8
Of mice and men: the human sciences and the humanities. Caplan AL. **Hastings Cent Rep** 1980 Dec;10(6):38–9
Science, philosophy, and society: some recent books. Holtzman E. **Int J Health Serv** 1981;11(1):123–49 (44 ref.)
How psychoanalysis is a science––and how it is not. Breger L. **J Am Acad Psychoanal** 1981 Apr;9(2):261–75
As the world turns now. Löe H. **J Am Dent Assoc** 1981 Mar;102(3):452
Comparison of two– and four–magnetometer methods of measuring ventilation. Robertson CH Jr, et al. **J Appl Physiol** 1980 Sep;49(3):355–62
Science of technology. Kornberg A. **J Dent Res** 1980 Nov; 59:1700–5
Antipathy toward science [editorial] Cooper JA. **J Med Educ** 1980 Nov;55(11):968–70
Prediction of basic science learning outcomes with cognitive style and traditional admissions criteria. Hart ME, et al. **J Med Educ** 1981 Feb;56(2):137–9
A long–range evaluation of a biomedical science program for undergraduate minority students. Murphy LP, et al. **J Med Educ** 1981 Mar;56(3):196–7
Evaluation of a basic science, peer tutorial program for first– and second–year medical students. Trevino FM, et al. **J Med Educ** 1980 Nov;55(11):952–3
Scientific empiricism and clinical medicine: a discussion paper. Baum M. **J R Soc Med** 1981 Jul;74(7):504–9
Science and the 'Human life bill'. Meyer HS. **JAMA** 1981 Aug 21;246(8):837–9
The science of limitations. Scott JA. **JAMA** 1981 Sep 4; 246(10):1076
Medical science and technology [editorial] Vaisrub S. **JAMA** 1981 Feb 6;245(5):499
The physician–scientist: past, present and future. Menkes JH. **Johns Hopkins Med J** 1981 Apr;148(4):175–8
Science as creative activity. Hutten EH. **Med Secoli** 1979 May–Aug;16(2):155–68
Molecular biology, culture, and society. Monro R. **Mol Biol Biochem Biophys** 1980;32:401–14
M.D.–Ph.D. programs for increasing the supply of physician–scientists [letter] **N Engl J Med** 1981 Sep 17; 305(12):703–5
The role of M.D.–Ph.D. training in increasing the supply of physician–scientists. Bickel JW, et al. **N Engl J Med** 1981 May 21;304(21):1265–8
Who, not Congress, should police fraud? [news] **Nature** 1981 Apr 9;290(5806):433–4
The responsibility of scientists [news] Sakharov A. **Nature** 1981 May 21;291(5812):184–5
Theory development for a nursing science. Bohny BJ. **Nurs Forum** 1980;19(1):50–67
Nursing's scientific quest. Watson J. **Nurs Outlook** 1981 Jul; 29(7):413–6
Pharmaceuticals for developing countries: an interface of science, technology, and public policy. Simon HJ. **Pharos** 1981 Spring;44(2):9–15
Perceptions as hypotheses. Gregory RL. **Philos Trans R Soc Lond [Biol]** 1980 Jul 8;290(1038):181–97
A new operational approach to PCO2 determination in crustacean hemolymph. Wilkes PR, et al. **Respir Physiol** 1980 Oct;42(1):17–28
Low–cost science. Sermonti G. **Riv Biol** 1980 Winter; 73(4):485–8 **(Eng, Ita)**
The part played by student scientific research in training physicians. Minyayev VA. **Sante Publique (Bucur)** 1980; 23(3):255–60
Science and technology for development. Berlinguet L. **Science** 1981 Sep 4;213(4512):1073–6
Two aspects of scientific responsibility. Edsall JT. **Science** 1981 Apr 3;212(4490):11–4
Science and the universities. Fortier C. **Science** 1981 Sep 4; 213(4512):1065–8
International science––an overview. Kerwin L. **Science** 1981 Sep 4;213(4512):1069–72
How does the social science of medicine justify its title to society, science and medicine? [editorial] Young A. **Soc Sci Med [Med Anthropol]** 1981 Jan;15B(1):1–3
Work, ideology, and science: the case of medicine. Navarro V. **Soc Sci Med [Med Econ]** 1980 Sep;14C(3):191–205
A native whole blood assay for blood–materials interaction. Dodds WJ, et al. **Thromb Haemost** 1981 Feb 23;45(1):12–7
An improved method for the preparation of intermediate–purity antihemophilic factor concentrate for therapeutic usage. Liu DT, et al. **Vox Sang** 1980; 38(4):216–21
[Management of science for a healthier community] Rochon J. **Can J Public Health** 1980 Jul–Aug;71(4):255–9 **(Fre)**
[Reflections on today's science] Fourastié J. **Chirurgie** 1981; 107(1):23–5 **(Fre)**
[Creativity and age in the arts and sciences (author's transl)] Ries W. **Aktuel Gerontol** 1980 Feb;10(2):95–103 (Eng. Abstr.) **(Ger)**
[Teaching methodology in medicine: experimentation] Poli E. **Med Secoli** 1979 Sep–Dec;16(3):245–65 **(Ita)**
[Metaphysics and the sciences: Lakatos and Laudan] Riverso E. **Med Secoli** 1980 Jan–Apr;17(1):73–84 **(Ita)**
[Humor in science and medicine] Laerum OD. **Tidsskr Nor Laegeforen** 1981 Jan;101(1):58–60 **(Nor)**
[On science and humanism] Kapuściński WJ. **Klin Oczna** 1980 Apr;82(4):199–200 **(Pol)**
[Toward an effective humanization of science and medical technology (editorial)] Fernandes B. **Acta Med Port** 1980 Jul–Aug;2(4):265–8 **(Por)**
[Scientific school as an object of study (an outline of the problems)] Korotkikh RV. **Sov Zdravookhr** 1980;(10):48–51 **(Rus)**
[Philosophical bases of the theory of scientific knowledge in medicine] Petlenko VP, et al. **Voen Med Zh** 1981 Jun; (6):11–5 **(Rus)**

HISTORY

Victorian science and Victorian values: literary perspectives. **Ann NY Acad Sci** 1981;360:1–362
Precept and counsels on scientific investigation: stimulants of the spirit. Chapter VI. Social environment favorable to scientific work. Santiago Ramón y Cajal. **Clin Orthop** 1981 May;(156):16–26
Michael Polanyi, science and belief. Stephenson W. **Ethics Sci Med** 1980;7(2):97–110
The place of Michael Polanyi in the modern philosophy of science. Torrance TF. **Ethics Sci Med** 1980;7(2):57–95
One hundred fifth critical bibliography of the history of science and its cultural influences (to January 1980). Neu J. **Isis** 1980;71(260):1–295
One hundred third critical bibliography of the history of science and its cultural influences (to January 1978). Neu J. **Isis** 1978;69(250):1–183
Medicine's millenarianism. Silverman WA. **Perspect Biol Med** 1981 Spring;24(3):339–51
New niche for science on reference shelf [news] Walsh J. **Science** 1981 Jan 16;211(4479):263–4
[Medicine in the first international scientific journals of Dutch origin (1680–1709)] van der Korst JK. **Ned Tijdschr Geneeskd** 1981 Feb 28;125(9):355–60 **(Dut)**
[Goethe's own testimony about his involvement with 'organic Nature.' III. Letters (1818–1832)] Voss H. **Gegenbaurs Morphol Jahrb** 1979;125(5):687–736 (Eng. Abstr.) **(Ger)**
[Elements of scientific teaching and of scientific criticism in the works of Niels Stensen (1638––1686)] Faller A. **Gesnerus** 1980;37(3–4):169–88 (Eng. Abstr.) **(Ger)**
[Epistemology and the history of science: a marriage of love or convenience?] Baldini M. **Med Secoli** 1979 May–Aug; 16(2):125–53 **(Ita)**
[Evidence, verifiability and falsification as a clinical and scientific method] Blandino G. **Med Secoli** 1978 Sep–Dec; 16(3):341–60 **(Ita)**
[History of scientific instrumentation and the development of science. I. Problems posed by the conceptual use of technology] D'Agostino S. **Med Secoli** 1979 Jan–Apr; 16(1):13–29 **(Ita)**
[Scientific discovery: simple conjecture or inductive argumentation?] Pera M. **Med Secoli** 1979 Jan–Apr; 16(1):51–70 **(Ita)**
[Science and dialectics in Ludovico Geymonat] Petroni AM. **Med Secoli** 1978 Sep–Dec;16(3):377–99 **(Ita)**
[The history of science vs the history of medicine (editorial)] Babini J. **Medicina (B Aires)** 1980 Jul–Aug;40(4):486–8 **(Spa)**

SCIENTIFIC SOCIETIES see **SOCIETIES, SCIENTIFIC**

SCILLARENIN see under **BUFANOLIDES**

SCINTIGRAPHY see **RADIONUCLIDE IMAGING**

SCINTIGRAPHY, COMPUTED TOMOGRAPHIC see **TOMOGRAPHY, EMISSION COMPUTED**

SCINTILLATION COUNTING

Novel determination of protein, fat, and lactose of milk by liquid scintillation counter. Noble RC, et al. **J Dairy Sci** 1981 Jan;64(1):14–8
[Counting rate characteristics and artifact images of scinti–cameras (author's transl)] Saegusa K, et al. **Kaku Igaku** 1980 Jul;17(5):543–52 (Eng. Abstr.) **(Jpn)**

HISTORY

A short history of ZnS on Mylar as an alpha–scintillation detector. Fisenne IM, et al. **Health Phys** 1981 May; 40(5):739–41

INSTRUMENTATION

The diagnosis of the gastric cancer by radionuclides and their labels, using catheter–type semiconductor radiation detector (CASRAD). Sassa R, et al. **Gastroenterol Jpn** 1980;15(4):369–73
Efficiency of HV–70 filters for sampling short–lived radon daughters in atmospheric air. Eapen CD, et al. **Health Phys** 1980 Aug;39(2):354–8
An instant Working Level meter based on gas proportional counters for use in uranium mines. Kawaji M, et al. **Health Phys** 1980 Oct;39(4):651–7
An inexpensive radon scintillation cell. Raghavayya M. **Health Phys** 1981 Jun;40(6):894–6
131I isotope placentography: simple counting equipment in obstetric practice. Knox–Macaulay HH, et al. **Int J Gynaecol Obstet** 1980 Sep–Oct;18(2):136–9
Heart synchronized gamma – camera gating: displaying two heart cycles on one screen. Holmer NG, et al. **J Med Eng Technol** 1979 Mar;3(2):71–6
Technical anc clinical characteristics of a surgical biopsy probe. Harvey WC, et al. **J Nucl Med** 1981 Feb;22(2):184–6
Ga–67 imaging with scintillation camera: the selection of collimator. Shinohara H, et al. **J Nucl Med** 1981 Feb; 22(2):169–76
A method for the determination of ECG gate signal delays. Wery R, et al. **J Nucl Med** 1981 Jun;22(6):546–8
Resolution of pinhole collimators used with gamma cameras. Goulet P, et al. **Med Phys** 1980 Sep–Oct;7(5):571–3
Microprocessor crosstalk correction in multiple–detector gamma counters. Rawlins TG, et al. **Phys Med Biol** 1981 May;26(3):425–34
Evaluation of scintillation cameras by spherical lesion detectability. Shinohara H, et al. **Radioisotopes** 1980 Dec; 29(12):594–8
New Anger scintillation cameras with improved count rate capability. Tanaka E, et al. **Radioisotopes** 1980 Jul; 29(7):320–5
[201Tl study of regional myocardial perfusion using a gamma counter and the EC1020 computer] Sheiretova E, et al. **Vutr Boles** 1981;20(3):37–44 (Eng. Abstr.) **(Bul)**
[Position sensitive detectors for ionizing radiation and its application to science and engineering (author's transl)] Doke T. **Radioisotopes** 1980 Sep;29(9):454–63 (13 ref.) **(Jpn)**
[Use of a gamma counter for assessing myocardial contractile capacity] Mikerova TM, et al. **Med Radiol (Mosk)** 1980 Dec;25(12):34–9 (Eng. Abstr.) **(Rus)**
[Scintillation chamber for clinical studies manufactured by the Gamma Combine (Hungarian People's Republic)] Zubovskiĭ GA, et al. **Vestn Rentgenol Radiol** 1981;(3):47–54 **(Rus)**

METHODS

Application of gamma camera technique for hemodynamic study of parallel flow dialyzers. Gunnarsson B, et al. **Artif Organs** 1980 Aug;4(3):201–5
Counting efficiency of some commercially available liquid scintillators compared. Gray P, et al. **Clin Chem** 1980 Dec; 26(13):1886–7
Preparation of whole blood for liquid scintillation counting. Moore PA. **Clin Chem** 1981 Apr;27(4):609–11
A cytotoxicity assay using 3H–uridine and emulsions scintillator. Numata M, et al. **Gan** 1980 Oct;71(5):715–20
Measurement of 125I by liquid scintillation counting method. Chandrasekaran ES. **Health Phys** 1981 Jun;40(6):896–8
beta–gamma–Coincidence counting corrections for decay during long counting periods and for the gamma–sensitivity of the beta–detector. Dodd B. **Health Phys** 1980 Sep; 39(3):555–9
Scintillation autoradiography at the light microscopic level: a review. Rogers AW. **Histochem J** 1981 Mar;13(2):173–86 (32 ref.)
A comparison of count rate parameters in gamma cameras. Lewellen TK, et al. **J Nucl Med** 1981 Feb;22(2):161–8
Radon measurement with a Lucas–type counter––application to radium determination in natural water. Yamazaki K, et al. **Radioisotopes** 1980 May;29(5):236–9
Photoactivated zinc silicate in thin layer chromatography plates: a potential cause for error in liquid scintillation counting. Tobias B, et al. **Steroids** 1981 Feb;37(2):213–21
[Methodical optimization of redioiodine uptake experiments in living rats] Hartmann K, et al. **Acta Biol Med Ger** 1979; 38(11–12):1655–8 (Eng. Abstr.) **(Ger)**
[The dependence of the optimal discriminator adjustment of a single–channel analyzer on the scattered radiation and on the energy resolution of the detector] Ertl S, et al. **Radiobiol Radiother (Berl)** 1980;21(4):489–500 (Eng. Abstr.) **(Ger)**
[The chi–square–criterion for evaluation of the authenticity by conventional colour scan (author's transl)] Kuldschiev A, et al. **Radiobiol Radiother (Berl)** 1980;21(4):532–6 (Eng. Abstr.) **(Ger)**
[Determination of 14C–labelled amino acids by use of radio–liquid chromatograph system (author's transl)] Suzuki M, et al. **Radioisotopes** 1980 Jun;29(6):288–91 **(Jpn)**
[Method of measurement of air concentration of Rn–222 by means of scintillation chambers] Chruścielewski W, et al. **Med Pr** 1980;31(2):83–9 (Eng. Abstr.) **(Pol)**

STANDARDS

Stability of gamma ray detectors and measurement of blood flow by isotope clearance. Meric P, et al. **Med Prog Technol** 1980;8(1):57–64

SCLERA

Scleritis associated with central choroidal haemorrhage. Ahrendt N. **Acta Ophthalmol (Copenh)** 1981 Feb;59(1):80–4
Picture of the month: Ota's nevus. Fikar CR, et al.

Am J Dis Child 1980 Nov;134(11):1083–4
Inflammatory Terrien's marginal corneal disease. Austin P, et al. **Am J Ophthalmol** 1981 Aug;92(2):189–92
Retinal pigment epithelial detachments in posterior scleritis. Berger B, et al. **Am J Ophthalmol** 1980 Nov;90(5):604–6
A new scleral depressor. Chambers JK, et al. **Am J Ophthalmol** 1981 Jul;92(1):123–4
Pseudomonas aeruginosa scleritis. Codère F, et al. **Am J Ophthalmol** 1981 Jun;91(6):706–10
Campylobacter gastroenteritis [letter] Friedlaender MH, et al. **Am J Ophthalmol** 1981 Jul;92(1):129–30
Spontaneous scleral perforation associated with peripheral marginal corneal degeneration: a case report. Starr MB, et al. **Ann Ophthalmol** 1981 Feb;13(2):175–7
Laser photocoagulation with biomicroscopic scleral indentation. Sigelman J, et al. **Arch Ophthalmol** 1980 Sep; 98(9):1623–4
Ultrastructural studies of corneal collagen during the development of experimental scleritis in rabbits. Young RD, et al. **Diagn Histopathol** 1981 Apr–Jun;4(2):199–207
Intraocular and episcleral melanoma treated with beta radiation (106Ru/106Rh). Lommatzsch PK. **Ophthalmologica** 1980;181(5):241–4
Exposure of intrascleral implants. Yoshizumi MO. **Ophthalmology (Rochester)** 1980 Nov;87(11):1150–4
A case of lung, eye and brain disease. Lees AW, et al. **Practitioner** 1981 Feb;225(1352):213–6
[Scleral grafts and plasties. Indications and treatment] Arnaud B, et al. **Bull Mem Soc Fr Ophtalmol** 1980;92:294–7 **(Fre)**
[Corneoscleral melanosarcoma. Keratoplasty] Stucchi CA, et al. **Klin Monatsbl Augenheilkd** 1980 Apr;176(4):637–9 (Eng. Abstr.) **(Fre)**
[Echography in posterior scleritis (author's transl)] Rochels R, et al. **Klin Monatsbl Augenheilkd** 1980 Nov;177(5):611–3 (Eng. Abstr.) **(Ger)**
[Sclerocorneal cyst following squint operation (author's transl)] Wiesflecker J, et al. **Klin Monatsbl Augenheilkd** 1980 Feb;176(2):248–50 (Eng. Abstr.) **(Ger)**
[Perforating sclerokeratomalacia: Good result of surgical treatment (author's transl)] Fabiszewska-Górna D, et al. **Klin Oczna** 1980 Apr;82(4):231–3 (Eng. Abstr.) **(Pol)**
[Importance of heredity in inflammatory eye diseases (author's transl)] Rudobielski R. **Klin Oczna** 1980 May; 82(5):293–5 **(Pol)**
[Case of Goodpasture's syndrome with ocular and skin manifestations] Szela S, et al. **Wiad Lek** 1980 Oct 15; 33(20):1669–72 (Eng. Abstr.) **(Pol)**
[Translucent foci in the sclera of the aged] Fodor F, et al. **Rev Chir [Oftalmol]** 1980 Oct–Dec;24(4):301–3 (Eng. Abstr.) **(Rum)**

ABNORMALITIES

Hallermann–Streiff syndrome associated with sclerocornea, aniridia, and a chromosomal abnormality. Schanzlin DJ, et al. **Am J Ophthalmol** 1980 Sep;90(3):411–5
Low ocular rigidity in patients with osteogenesis imperfecta. Kaiser-Kupfer MI, et al. **Invest Ophthalmol Vis Sci** 1981 Jun;20(6):807–9
[Morning-glory papilla (peripapillary scleral staphyloma with posterior ectopia of the papilla). Discussion of 3 cases] Brini A, et al. **Bull Soc Ophtalmol Fr** 1980 Nov; 80(11):1071–4 (Eng. Abstr.) **(Fre)**
[Clinical and radiological considerations on 12 cases, belonging to 2 families, of osteogenesis imperfecta, delayed type] Cometa F, et al. **Minerva Pediatr** 1981 Feb 15; 33(3):135–40 **(Ita)**
[Heredity in the Van der Hoeve syndrome] Constantin C. **Rev Chir [Oftalmol]** 1980 Oct–Dec;24(4):279–80 (Eng. Abstr.) **(Rum)**

ANALYSIS

A comparative study of elasmobranch corneal and scleral collagens. Conrad GW, et al. **Exp Eye Res** 1981 Jun; 32(6):659–72
[Distribution of proteoglycans in the sclera] Marchini M, et al. **Boll Soc Ital Biol Sper** 1980 Dec 30;56(24):2564–8 (Eng. Abstr.) **(Ita)**

ANATOMY & HISTOLOGY

Regional differences in the structure of the lamina cribrosa and their relation to glaucomatous optic nerve damage. Quigley HA, et al. **Arch Ophthalmol** 1981 Jan;99(1):137–43
Anatomical landmarks in glaucoma surgery. Worthen DM. **Int Ophthalmol Clin** 1981 Spring;21(1):15–28
The trabecular mesh: a mathematical analysis. Moses RA, et al. **Invest Ophthalmol Vis Sci** 1980 Dec;19(12):1490–7

BLOOD SUPPLY

Episcleral venous pressure. Differences between normal, occur hypertensive, and primary open angle glaucomas. Talusan ED, et al. **Arch Ophthalmol** 1981 May;99(5):824–8
[Early effects of clonidine, epinephrine, and pilocarpine on the intraocular pressure and the episcleral venous pressure in normal volunteers (author's transl)] Kaskel D, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 213(4):251–9 (Eng. Abstr.) **(Ger)**
[Dilatation and tortuosity of episcleral vessels in open-angle glaucoma (author's transl)] Benedikt O, et al. **Klin Monatsbl Augenheilkd** 1980 Feb;176(2):292–6 (Eng. Abstr.) **(Ger)**
[Dilatation and tortuosity of episcleral vessels in open-angle glaucoma. II. Electron microscopy study of the trabecular meshwork] Roll P, et al. **Klin Monatsbl Augenheilkd** 1980 Feb;176(2):297–301 (Eng. Abstr.) **(Ger)**
[Clinico-morphological comparisons of the state of blood vessels in the drainage zone of the sclera and iris in various stages of open-angle glaucoma] Fedorov SN, et al. **Oftalmol Zh** 1981;36(1):12–6 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

A scanning electron microscopic study of the developing epithelial scleral papillae in the eye of the embryonic chick. Fyfe DM, et al. **J Morphol** 1981 Feb;167(2):201–9

INJURIES

Traumatic aniridia and aphakia with scleral buckling: a case report. Thommy CP. **Br J Ophthalmol** 1980 Aug; 64(8):630–2
The visual prognosis of a perforation of the eyeball: a retrospective study. Bastiaensen LA. **Doc Ophthalmol** 1981 Mar 20;50(2):213–31
[Soft contact lens use postoperatively in patients with penetrating injuries of the eyeball (author's transl)] Hermel B, et al. **Klin Oczna** 1980 Jul;82(7):357–8 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Histopathologic and clinical associations of scleritis and glaucoma. Wilhelmus KR, et al. **Am J Ophthalmol** 1981 Jun;91(6):697–705
Ocular ochronosis. Clinicopathological, histochemical, and ultrastructural studies. Kampik A, et al. **Arch Ophthalmol** 1980 Aug;98(8):1441–7
Histology of small melanomas. de Wolff-Rouendaal D, et al. **Doc Ophthalmol** 1980 Dec 15;50(1):21–6
Scleromalacia perforans in ulcerative colitis. Tesar PJ, et al. **Gastroenterology** 1981 Jul;81(1):153–5
Massive scleral necrosis from a pseudomonas infection following scleral buckling and pars plana vitrectomy surgery. Zinn KM, et al. **Mt Sinai J Med (NY)** 1980 Nov–Dec;47(6):618–21
[Acute necrotizing scleritis during rare collagenosis in the young] Martenet AC. **Rev Med Suisse Romande** 1980 Apr; 100(4):393–5 **(Fre)**
[Changes in the scleral drainage area in primary open-angle glaucoma] Kariukina LN, et al. **Vestn Oftalmol** 1980 Jul–Aug;(4):3–7 (Eng. Abstr.) **(Rus)**
[Annular, equatorial staphyloma of the sclera accompanied by retinal detachment] Uzdin MI, et al. **Vestn Oftalmol** 1981 Mar–Apr;(2):69–70 **(Rus)**

PHYSIOLOGY

Schlemm's canal: the effect of intraocular pressure. Moses RA, et al. **Invest Ophthalmol Vis Sci** 1981 Jan;20(1):61–8
Paracellular route of aqueous outflow in the trabecular meshwork and canal of Schlemm. A freeze-fracture study of the endothelial junctions in the sclerocorneal angel of the macaque monkey eye. Raviola G, et al. **Invest Ophthalmol Vis Sci** 1981 Jul;21(1 Pt 1):52–72

PHYSIOPATHOLOGY

[The role of the sclera in the pathogenesis of progressive myopia (author's transl)] Awetissow ES. **Klin Monatsbl Augenheilkd** 1980 May;176(5):777–81 (Eng. Abstr.) **(Ger)**
[Scleral rigidity in certain endocrinological diseases: II. Hyperthyroidism (author's transl)] Czechowicz-Janicka K, et al. **Klin Oczna** 1980 Jul;82(7):353–5 (Eng. Abstr.) **(Pol)**
[Scleral rigidity index during changes in the levels of triiodothyronine and thyroxine (author's transl)] Jakubowska-Pakułowa D. **Klin Oczna** 1980 Sep;82(9):447–8 (Eng. Abstr.) **(Pol)**

RADIATION EFFECTS

Pseudomonas endophthalmitis associated with scleral necrosis. Tarr KH, et al. **Br J Ophthalmol** 1980 Sep; 64(9):676–9

RADIOGRAPHY

[Pseudotumours of the orbit in computed tomography (author's transl)] Ziemiański A. **Pol Przegl Radiol** 1980 Sep–Oct;44(5):353–5 (Eng. Abstr.) **(Pol)**

SURGERY

Lens extraction in eyes pretreated with silicone band cerclage—animal trials. Krejčí L, et al. **Acta Univ Carol [Med] (Praha)** 1979;25(3–4):125–34
An analysis of treatment of congenital glaucoma by goniotomy. Broughton WL, et al. **Am J Ophthalmol** 1981 May;91(5):566–72
New scleral plugs for use during vitrectomy. Isbey EK 3d, et al. **Am J Ophthalmol** 1981 Jun;91(6):797–9
Trabeculectomy vs thermosclerostomy. A randomized prospective clinical trial. Blondeau P, et al. **Arch Ophthalmol** 1981 May;99(5):810–6
Sclerotomy forceps. Leaver PK, et al. **Br J Ophthalmol** 1981 Jan;65(1):67–8
The microscope as a tool in the management of the sclera. Draeger J. **Dev Ophthalmol** 1981;2:202–7
Cataract extraction combined with limited thermal sclerostomy. Pollack IP, et al. **Int Ophthalmol Clin** 1981 Spring;21(1):79–86
Iridectomy with scleral cautery. Scheie HG. **Int Ophthalmol Clin** 1981 Spring;21(1):41–6
Surgical management of senile scleromalacia. Carroll CP, et al. **Ophthalmic Surg** 1980 Oct;11(10):719–21
Posterior sclerotomy: a surgical approach for lowering intraocular pressure. Freedman J. **Ophthalmic Surg** 1981 May;12(5):347–8
Pars plana vs. the limbal approach to intraocular surgery [editorial] Girard LJ. **Ophthalmic Surg** 1981 May;12(5):317
Scleral relaxing incision used for wound closure. Keates RH, et al. **Ophthalmic Surg** 1981 Apr;12(4):273–4
Tensile strength of corneoscleral wounds repaired with absorbable sutures. Masuda K. **Ophthalmic Surg** 1981 Feb; 12(2):110–4
Trabeculectomy vs full-thickness filtering operation for control of glaucoma. Shields MB. **Ophthalmic Surg** 1980 Aug;11(8):498–505
A prospective, controlled study to compare the Scheie procedure with Watson's trabeculectomy. Spaeth GL. **Ophthalmic Surg** 1980 Oct;11(10):688–94
Trabeculectomy using a fornix-based conjunctival flap and tightly sutured scleral flap. Luntz MH. **Ophthalmology (Rochester)** 1980 Oct;87(10):985–9
[Subscleral sclerencleisis (author's transl)] Zhang HC. **Chung Hua Yen Ko Tsa Chih** 1980;16(3):200–3 **(Chi)**
[Our experiences with sinusectomy with iridoretraction (author's transl)] Kraus H, et al. **Cesk Oftalmol** 1981 May; 37(3):164–8 (Eng. Abstr.) **(Cze)**
[Results of trabeculectomies combined with scleral cauterization] Rehák S, et al. **Cesk Oftalmol** 1980 Nov; 36(6):361–4 (Eng. Abstr.) **(Cze)**
[Trabeculectomy with implanted scleral strip (author's transl)] Rehák S, et al. **Cesk Oftalmol** 1981 May;37(3):160–3 (Eng. Abstr.) **(Cze)**
[Iridocycloretraction with a scleral trap] Boudet C, et al. **Bull Mem Soc Fr Ophtalmol** 1980;92:264–70 **(Fre)**
[Iridocycloretraction under a scleral trap, our first results] Blanchard M, et al. **Bull Soc Ophtalmol Fr** 1980 Jun–Jul; 80(6–7):569–72 (Eng. Abstr.) **(Fre)**
[Scleral flap with limbic hinge as a preferential approach to the iridocorneal angle, excluding trabeculectomy] Turut P, et al. **Bull Soc Ophtalmol Fr** 1979 Aug–Sep;79(8–9):753–5 (Eng. Abstr.) **(Fre)**
[Tenoplasty by marginal scleral division (author's transl)] Bordeianu CD. **J Fr Ophtalmol** 1980;3(11):671–4 (Eng. Abstr.) **(Fre)**
[Iridocycloretraction (author's transl)] Yankov L. **J Fr Ophtalmol** 1981;4(2):147–8 **(Fre)**
[Barraquer-silk (8 x 0) and polyglactin 910 (8 x 0) in corneo-scleral incisions of rabbit eyes. A histological study] Bujara K, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 216(2):145–53 (Eng. Abstr.) **(Ger)**
[Goniotrepanation with Triangular Scleral Flap (author's transl)] Clemente P. **Klin Monatsbl Augenheilkd** 1980 Oct; 177(4):455–8 (Eng. Abstr.) **(Ger)**
[Goniotrepanation using scleral flap in modern surgery of glaucoma] Fronimopoulos J. **Klin Monatsbl Augenheilkd** 1981 Mar;178(3):159–70 (41 ref.) (Eng. Abstr.) **(Ger)**
[A safety suture for sclerotomy in vitrectomy (author's transl)] Koerner F. **Klin Monatsbl Augenheilkd** 1980 May; 176(5):864–6 (Eng. Abstr.) **(Ger)**
[Studies on the production of an artificial intrascleral sinus in the surgical treatment of glaucoma (author's transl)] Kotania W, et al. **Klin Oczna** 1980 Jul;82(7):349–51 (Eng. Abstr.) **(Pol)**
[Modification of the operation of intrascleral pterygium implantation (author's transl)] Krwawicz L. **Klin Oczna** 1980 Jul;82(7):375–6 (Eng. Abstr.) **(Pol)**
[Evaluation of the first 50 operations for glaucoma by the method of artificial intrascleral sinus (author's transl)] Mściszewska-Baranowska K, et al. **Klin Oczna** 1980; 82(11):575–6 (Eng. Abstr.) **(Pol)**
[Mobile scleral stump in 6 technical variants] Olteanu M, et al. **Rev Chir [Oftalmol]** 1980 Jan–Mar;24(1):29–31 (Eng. Abstr.) **(Rum)**
[Use of antibiotics for preventing suppurative inflammatory complications in scleroplastic operations for myopic disease] Savinykh VI. **Antibiotiki** 1980 Sep;25(9):690–1 (Eng. Abstr.) **(Rus)**
[Antiglaucoma operation: 'scleroplasty of the drainage zone'] Bobrova NF. **Oftalmol Zh** 1980;35(8):506–8 **(Rus)**
[Combined scleroplastic reconstruction of the eyes with high myopia] Savinykh VI. **Oftalmol Zh** 1980;35(8):480–3 (Eng. Abstr.) **(Rus)**
[Objective evaluation of the effectiveness of scleroplasty in high progressive myopia] Avetisov ES, et al. **Vestn Oftalmol** 1980 Sep–Oct;(5):35–7 **(Rus)**
[Role of extraocular factors in the formation of external filtration fistula] Kolesnikova LN, et al. **Vestn Oftalmol** 1980 Nov–Dec;(6):16–8 (Eng. Abstr.) **(Rus)**
[Clinico-functional state of the eyes in high complicated myopia after scleroplasty] Libman ES, et al. **Vestn Oftalmol** 1980 Nov–Dec;(6):32–6 (Eng. Abstr.) **(Rus)**
[Scleral sinus localization in hydrophthalmos] Sidorov EG, et al. **Vestn Oftalmol** 1980 Sep–Oct;(5):18–21 (Eng. Abstr.)

(Rus)

[Microsurgical evaluation of functional preservation of the scleral sinus and intrascleral vessels in hydrophthalmos] Sidorov EG, et al. **Vestn Oftalmol** 1980 Nov-Dec;(6):12-6 (Eng. Abstr.) (Rus)

TRANSPLANTATION

Scleral homograft inlay for correction of cicatricial entropion and trichiasis. Thommy CP. **Br J Ophthalmol** 1981 Mar; 65(3):198-201

Autogenous scleral graft in implant extrusion. McCarthy RW, et al. **Ophthalmic Surg** 1980 Oct;11(10):686-7

Transplantation of eyebank sclera in the Cutler--Beard method of upper eyelid reconstruction. Wesley RE, et al. **Ophthalmology (Rochester)** 1980 Oct;87(10):1022-8

Retraction of the eyelids secondary to thyroid ophthalmopathy--its surgical correction with sclera and the fate of the graft. Flanagan JC. **Trans Am Ophthalmol Soc** 1980;78:657-85

[A clinical analysis of 44 cases of lamellar keratoplasty and sclero-keratoplasty (author's transl)] Li C. **Chung Hua Yen Ko Tsa Chih** 1979;15(3):147-9 (Chi)

[The repair of the conjunctival sac of the anophthalmic orbit. A new material: preserved sclera] Mawas E, et al. **Bull Soc Ophtalmol Fr** 1980 Oct;80(10):865-6 (Fre)

[The use of bank sclera in plastic orbital surgery (author's transl)] Reny A, et al. **Bull Soc Ophtalmol Fr** 1979 Aug-Sep;79(8-9):709-11 (Eng. Abstr.) (Fre)

[Biological material and silicone inlays in the surgery of retinal detachment (author's transl)] Winter W. **Klin Oczna** 1980 Aug;82(8):419-21 (Eng. Abstr.) (Pol)

[3 cases of scleral graft in Marfan's syndrome] Kontridze VS, et al. **Vestn Oftalmol** 1980 Jul-Aug;(4):68-9 (Rus)

[Instrument for performing the graft in posterior scleroplasty] Savinykh VI. **Vestn Oftalmol** 1980 Jul-Aug;(4):65-6 (Rus)

ULTRASTRUCTURE

The post-mortem vacuoles of Schlemm's canal. Grierson I, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 215(4):249-64

Age related changes in extracellular materials in the inner wall of Schlemm's canal. McMenamin PG, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1980; 212(3-4):159-72

[Effect of a silicone band on the sclera of the human eye - morphological analysis] Fankhauser F, et al. **Klin Monatsbl Augenheilkd** 1980 Apr;176(4):633-6 (Eng. Abstr.) (Ger)

[Ultrastructure of collagen fibers in the sclera] Marchini M, et al. **Boll Soc Ital Biol Sper** 1980 Dec 30;56(24):2569-74 (Eng. Abstr.) (Ita)

[Three-dimensional structure of Schlemm's canal (author's transl)] Hamanaka T, et al. **Nippon Ganka Gakkai Zasshi** 1980 Sep 10;84(9):1292-304 (Eng. Abstr.) (Jpn)

[Ultrastructural changes in the sclera in myopia] Avetisov Es, et al. **Vestn Oftalmol** 1980 Nov-Dec;(6):36-42 (Eng. Abstr.) (Rus)

SCLERAL BUCKLING

Lesions simulating serous detachment of the pigment epithelium. Occurrence after retinal detachment surgery. Avins LR, et al. **Arch Ophthalmol** 1980 Aug;98(8):1427-9

Retinal detachment surgery without cryotherapy. Chignell AH, et al. **Br J Ophthalmol** 1981 May;65(5):371-3

Vitreous and retinal surgery in pseudophakia. Mandelcorn M, et al. **Can J Ophthalmol** 1979 Oct;14(4):246-8

Spontaneous alterations in unused silicon buckling material. Doden W, et al. **Doc Ophthalmol** 1981 Mar 20;50(2):249-53

Results and complications of surgery of retinal detachment with a macular hole. Amemiya T, et al. **Ophthalmologica** 1980;181(2):88-92

Use of gas in retinal surgery. Management of the fishmouth phenomenon. Norton EW. **Trans Ophthalmol Soc UK** 1980 Apr;100(Pt 1):66-8

[Implants in retinal detachment surgery (author's transl)] Freyler H, et al. **Klin Monatsbl Augenheilkd** 1980 Sep; 177(3):336-44 (Eng. Abstr.) (Ger)

[Limits of episcleral buckling procedure (author's transl)] Kroll P, et al. **Klin Monatsbl Augenheilkd** 1980 Dec; 177(6):864-70 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

Multifocal choroiditis after retinal detachment surgery. Woldoff HS, et al. **Ann Ophthalmol** 1979 Aug;11(8):1182-4

Infection prophylaxis with silastic sponge explants in retinal detachment surgery. Buettner H, et al. **Dev Ophthalmol** 1981;2:71-6

Massive scleral necrosis from a pseudomonas infection following scleral buckling and pars plana vitrectomy surgery. Zinn KM, et al. **Mt Sinai J Med (NY)** 1980 Nov-Dec;47(6):618-21

[Tissue reactions to silicon sponge in scleral buckling (author's transl)] Wang XL. **Chung Hua Yen Ko Tsa Chih** 1979;15(4):277-8 (Chi)

[Spontaneous regression of exudative retinal detachment after cryotherapy and scleral buckling (author's transl)] Binder S, et al. **Klin Monatsbl Augenheilkd** 1980 Nov;177(5):614-7 (Eng. Abstr.) (Ger)

INSTRUMENTATION

The microretinal retractor. Charles S. **Arch Ophthalmol** 1981 Jul;99(7):1252

A scleral buckle pressure gauge for continuous monitoring of intraocular pressure. Wolbarsht ML, et al. **Int Ophthalmol** 1980 Dec;3(1):11-7

METHODS

Results with a temporary balloon buckle for the repair of retinal detachment. Lincoff H, et al. **Am J Ophthalmol** 1981 Aug;92(2):245-51

Variation of technique of episcleral sponge placement: effect on scleral indentation for retinal detachment repair. Boldrey EE. **Ann Ophthalmol** 1981 Jun;13(6):743-6

Electrocoaptation conjunctival closure in retinal detachment surgery. Grand MG. **Arch Ophthalmol** 1980 Aug; 98(8):1439-40

Combined cryosurgery and scleral buckling in acute proliferative retrolental fibroplasia. Bert MD, et al. **J Pediatr Ophthalmol Strabismus** 1981 May-Jun;18(3):9-12

Vitreoretinal surgery in a patient with sickle cell retinopathy. Zinn KM. **Mt Sinai J Med (NY)** 1981 Jan-Feb;48(1):79-83

Silicone sponge implant in combination with episcleral implant for retinal detachment surgery. Sakamoto DK, et al. **Ophthalmic Surg** 1980 Oct;11(10):712-8

The use of sodium-hyaluronate (Healon) in the treatment of retinal detachment. Stenkula S, et al. **Ophthalmic Surg** 1981 Jun;12(6):435-7

Exposure of intrascleral implants. Yoshizumi MO. **Ophthalmology (Rochester)** 1980 Nov;87(11):1150-4

[Clinical analysis of encircling operation in 97 cases of retinal detachment (author's transl)] Wang WJ. **Chung Hua Yen Ko Tsa Chih** 1980;16(1):44-8 (Chi)

[A new indentation device for the treatment of retinal detachment] Lecoq PJ, et al. **Bull Mem Soc Fr Ophtalmol** 1980;92:123-6 (Fre)

[Application of silicone sponge without drainage of the subretinal fluid] Baltazis S, et al. **Bull Soc Ophtalmol Fr** 1980 Oct;80(10):823-5 (Fre)

[Value of radial buckling in the treatment of retinal detachment (apropos of 116 cases)] Hebert PY, et al. **Bull Soc Ophtalmol Fr** 1980 Apr-May;80(4-5):421-4 (Eng. Abstr.) (Fre)

[New indentation procedure for the treatment of retinal detachment. Preliminary note] Lecoq PJ. **Bull Soc Ophtalmol Fr** 1980 Dec;80(12):1241-2 (Eng. Abstr.) (Fre)

[Technical aspects and evaluation of the placing of a silicone elastomer sponge buckle at the time of surgical treatment of retinal detachment] Rouchy JP, et al. **Bull Soc Ophtalmol Fr** 1980 Apr-May;80(4-5):427-9 (Eng. Abstr.) (Fre)

SCLEREDEMA ADULTORUM

COMPLICATIONS

[Cervical dysphagia in scleroedema adultorum Buschke (author's transl)] Berges W, et al. **Dtsch Med Wochenschr** 1981 Jun 5;106(23):747-51 (Eng. Abstr.) (Ger)

DIAGNOSIS

Scleredema adultorum [letter] Beeafft DE, et al. **Arch Dermatol** 1980 Dec;116(12):1347-8

[Clinical aspects and course of Buschke's scleredema in children] Isaeva LA, et al. **Pediatriia** 1980;(9):56-9 (Rus)

[Scleredema Buschke (author's transl)] Cigna I. **Cesk Dermatol** 1981 Apr;56(2):89-92 (Eng. Abstr.) (Slo)

[Scleredema adultorum. Report of a clinical case] Leticia Figueroa C, et al. **Alergia** 1980 Jan;27(1):45-50 (Spa)

ETIOLOGY

Diabetic scleredema. La Grenade L, et al. **West Indian Med J** 1981 Mar;30(1):47-9

MICROBIOLOGY

Histologic observations of pleomorphic corynebacterium-like microorganisms in diabetic scleredema adultorum. Cantwell AR, et al. **Cutis** 1980 Dec; 26(6):575-83

PATHOLOGY

[Case of Buschke's scleredema in childhood] Ostropolets SS, et al. **Pediatriia** 1981 Jan;(1):71 (Rus)

[Scleredema 'adultorum' (Buschke) (author's transl)] Vera Román JM, et al. **An Esp Pediatr** 1980 Aug;13(8):726-30 (Eng. Abstr.) (Spa)

PHYSIOPATHOLOGY

[Cardiac changes in Buschke's scleredema] Uvarova NN, et al. **Sov Med** 1980;(12):95-7 (Rus)

SCLEREMA NEONATORUM

IMMUNOLOGY

C3, factor B, alpha-1-antitrypsin in neonatal septicaemia with sclerema. Pelet B. **Arch Dis Child** 1980 Oct;55(10):782-8

PATHOLOGY

Sclerema neonatorum. Light and electron microscopic studies. Pasyk K. **Virchows Arch [Pathol Anat]** 1980; 388(1):87-103

SCLERODERMA, CIRCUMSCRIBED

BLOOD

[Serum proteins in sclerodermia (author's transl)] Kobíková M, et al. **Cesk Dermatol** 1980 Oct;55(5):295-300 (Eng. Abstr.) (Cze)

CHEMICALLY INDUCED

Morphea-like reaction to D-penicillamine therapy. Bernstein RM, et al. **Ann Rheum Dis** 1981 Feb;40(1):42-4

CLASSIFICATION

Scleroderma in the elderly [letter] Holti G, et al. **Br Med J [Clin Res]** 1981 Apr 25;282(6273):1400

[Classification of scleroderma (author's transl)] Hatano H. **Nippon Hifuka Gakkai Zasshi** 1980 Nov;90(12):1200-7 (Jpn)

COMPLICATIONS

Periorbital scleroderma associated with heterochromia iridis. Stone RA, et al. **Am J Ophthalmol** 1980 Dec;90(6):858-61

Myopathy associated with sclerodermal facial hemiatrophy. Schwartz RA, et al. **Arch Neurol** 1981 Sep;38(9):592-4

Transcutaneous electrical nerve stimulation and extensor splint in linear scleroderma knee contracture. Rizk TE, et al. **Arch Phys Med Rehabil** 1981 Feb;62(2):86-8

Morphea and lichen sclerosus et atrophicus. Clinical and histopathologic studies in patients with combined features. Uitto J, et al. **J Am Acad Dermatol** 1980 Sep;3(3):271-9

A rare case of severe bilateral ectropion from scleroderma. Nancarrow JD, et al. **Plast Reconstr Surg** 1981 Mar; 67(3):352-4

[Facial linear scleroderma and sarcoidosis with hypothalamic, mediastinal and hepatic localizations] Chouvet B, et al. **Ann Dermatol Venereol** 1981;108(2):165-8 (Fre)

DIAGNOSIS

Esophageal scleroderma. Kanner SR. **Ariz Med** 1981 Feb; 38(2):98-9

Diffuse fasciitis with eosinophilia: a steroid-responsive variant of scleroderma. Britt WJ, et al. **J Pediatr** 1980 Sep; 97(3):432-4

Scleroderma and other diseases associated with cutaneous sclerosis. Chanda JJ. **Med Clin North Am** 1980 Sep; 64(5):969-82

Scleroderma. Current understanding of pathogenesis and management. Phillips RM Jr, et al. **Postgrad Med** 1981 Sep; 70(3):153-68

[EEG-findings in 44 selected patients with scleroderma (author's transl)] Gottwald W, et al. **Nervenarzt** 1981 Apr; 52(4):219-27 (Ger)

DRUG THERAPY

Finger systolic pressures and skin temperatures in severe Raynaud's syndrome: the relationship to healing of skin lesions and the use of oral phenoxybenzamine. Carter SA. **Angiology** 1981 May;32(5):298-310

Stimulating circulation to end stasis in scleroderma. Yuan X, et al. **Chin Med J [Engl]** 1981 Feb;94(2):85-93

[Use of chorionic gonadotropin in the treatment of phlebopathic dermatoses] Mian EU, et al. **Minerva Med** 1981 Feb 18;72(4-5):193-203 (Ita)

ETIOLOGY

The lichen planus like and sclerotic phases of the graft versus host disease in man: an ultrastructural study of six cases. Janin-Mercier A, et al. **Acta Derm Venereol (Stockh)** 1981; 61(3):187-93

Acrosclerosis associated with vibration: an electron microscopic study. Hashimoto K, et al. **J Cutan Pathol** 1980 Dec;7(6):373-86

IMMUNOLOGY

Elevated levels of antibodies to polyuridylic acid detected and quantitated in systemic scleroderma patients by solid phase radioimmunoassay. Heinzerling RH, et al. **J Invest Dermatol** 1980 Sep;75(3):224-7

[Antinuclear antibodies in mesenchymal scleroderma and progressive systemic sclerosis (author's transl)] Sugiura M, et al. **Nippon Hifuka Gakkai Zasshi** 1980 Sep;90(10):935-7 (Jpn)

MICROBIOLOGY

Nodular scleroderma and pleomorphic acid-fast bacteria. Cantwell AR Jr, et al. **Arch Dermatol** 1980 Nov; 116(11):1283-90

PATHOLOGY

Eosinophilic fasciitis (Shulman syndrome) in a 13-year-old girl. Clemmensen OJ, et al.

Acta Derm Venereol (Stockh) 1980;60(3):271–4
[An electron microscopic observation on localized scleroderma, with special reference to lymphatic vessels (author's transl)] Asano S, et al.
Nippon Hifuka Gakkai Zasshi 1980 Oct;90(11):1009–13 **(Jpn)**
[Pathological anatomy of the striated muscle in scleroderma. Study of 11 cases] Ripoll M, et al.
Rev Esp Reum Enferm Osteoartic 1980;23(3):167–80 **(Spa)**

PHYSIOPATHOLOGY

[Respiratory function profile in scleroderma. 20 cases (author's transl)] Kleisbauer JP, et al. **Poumon Coeur** 1980; 36(6):371–6 (Eng. Abstr.) **(Fre)**

THERAPY

Linear scleroderma in children. Kesler RW, et al.
Am J Dis Child 1981 Aug;135(8):738–40
[Delagil superdiadynamophoresis in the overall health resort therapy of children with scleroderma] Shliapak EA.
Vestn Dermatol Venerol 1981 Jan;(1):48–50 (Eng. Abstr.) **(Rus)**

SCLERODERMA, SYSTEMIC

Progressive systemic sclerosis. (Analytical study). Bhagwandas K, et al. **J Indian Med Assoc** 1980 Aug 16; 75(4):65–7
[Scleroderma] Hébert J, et al. **Union Med Can** 1981 Mar; 110(3):209–20 (Eng. Abstr.) **(Fre)**

BLOOD

Increased factor VIII/von Willebrand factor antigen and von Willebrand factor activity in scleroderma and in Raynaud's phenomenon. Kahaleh MB, et al. **Ann Intern Med** 1981 Apr;94(4 pt 1):482–4
Normal level of plasma fibronectin and fibrinstabilizing factor in progressive systemic sclerosis [letter] Soria J, et al.
Arthritis Rheum 1980 Nov;23(11):1334–5
Cutaneous microcirculation in systemic sclerosis and response to intra-arterial reserpine. Nilsen KH, et al. **Br Med J** 1980 Jun 14;280(6229):1408–11
Effect of prostaglandins I2 and E1 on red cell deformability in patients with Raynaud's phenomenon and systemic sclerosis. Dowd PM, et al. **Br Med J [Clin Res]** 1981 Aug 1;283(6287):350
[Serum proteins in sclerodermia (author's transl)] Kobiková M, et al. **Cesk Dermatol** 1980 Oct;55(5):295–300 (Eng. Abstr.) **(Cze)**

CHEMICALLY INDUCED

Drug-related scleroderma-like illness. The Fine page. Fine RM. **Int J Dermatol** 1981 Jun;20(5):354
Bleomycin-induced scleroderma. Finch WR, et al.
J Rheumatol 1980 Sep–Oct;7(5):651–9
Development of a scleroderma-like illness during therapy with L-5-hydroxytryptophan and carbidopa. Sternberg EM, et al. **N Engl J Med** 1980 Oct 2;303(14):782–7
[Pathomechanism of the disease caused by chronic exposure to vinyl chloride (author's transl)] Bogdanikowa B.
Przegl Lek 1980;37(12):797–801 **(Pol)**

CLASSIFICATION

Progressive systemic sclerosis subgroups: variable pulmonary features. Taormina VJ, et al. **AJR** 1981 Aug;137(2):277–85
Scleroderma in the elderly [letter] Holti G, et al.
Br Med J [Clin Res] 1981 Apr 25;282(6273):1400
Preliminary criteria for the classification of systemic sclerosis (scleroderma). **Bull Rheum Dis** 1981;31(1):1–6

COMPLICATIONS

Calcosis in generalized scleroderma. Nielsen AO, et al.
Acta Derm Venereol (Stockh) 1980;60(4):301–7
Hematological abnormalities in scleroderma. A study of 180 cases. Frayha RA, et al. **Acta Haematol (Basel)** 1980; 64(1):25–30
The relationship arrhythmias and conduction disturbances to other manifestations of cardiopulmonary disease in progressive systemic sclerosis (PSS). Clements PJ, et al. **Am J Med** 1981 Jul;71(1):38–46
Impotence in progressively systemic sclerosis. Lally EV, et al. **Ann Intern Med** 1981 Aug;95(2):150–3
The prevalence of conduction defects and cardiac arrhythmias in progressive systemic sclerosis. Roberts NK, et al. **Ann Intern Med** 1981 Jan;94(1):38–40
Isolated superior oblique paralysis in progressive systemic sclerosis. Rush JA. **Ann Ophthalmol** 1981 Feb;13(2):217–20
Pancreatic necrosis in progressive systemic sclerosis. Abraham AA, et al. **Ann Rheum Dis** 1980 Aug;39(4):396–8
Central retinal vein occlusion and scleroderma: implications for sclerodermatous vascular disease. Littlejohn GO, et al.
Ann Rheum Dis 1981 Feb;40(1):96–9
Bullous scleroderma. Synkowski DR, et al.
Arch Dermatol 1981 Mar;117(3):135–7
Progressive systemic sclerosis and nephrotic syndrome. An unusual association resulting in postpartum acute renal failure. Palma A, et al. **Arch Intern Med** 1981 Mar; 141(4):520–1
Resorption of the mandibular condyles and coronoid processes in progressive systemic sclerosis (scleroderma). Osial TA Jr, et al. **Arthritis Rheum** 1981 May;24(5):729–33
Association of myositis and myocarditis in progressive systemic sclerosis. West SG, et al. **Arthritis Rheum** 1981 May;24(5):662–8
Malignant scleroderma associated with autoimmune neutropenia. Waugh D, et al. **Br Med J** 1980 Jun 28; 280(6231):1577–8
Reversible acute renal faiure in diffuse scleroderma. Ponticelli C, et al. **Clin Nephrol** 1980 Jun;13(6):293–5
The kidney and arthritis. Burry HC, et al. **Compr Ther** 1981 Mar;7(3):56–61
Gastrointestinal telangietasia as a cause of severe blood loss in systemic sclerosis. Rosekrans PC, et al. **Endoscopy** 1980 Sep;12(5):200–4
Clinicopathologic assessment of arrhythmias in a case of scleroderma heart disease with sudden death. Marinato PG, et al. **Eur J Cardiol** 1981;12(6):321–31
Cardiovascular 'insults' in scleroderma analyzed.
Hosp Pract 1980 Sep;15(9):46, 48, 48e, passim
Hashimoto's thyroiditis, pernicious anemia, Sjogren's syndrome, and CRST syndrome — a case report. Saad-Dine Y, et al. **J Med Assoc Ga** 1981 Mar;70(3):187–9
Polymyositis and acute onset systemic sclerosis in a patient with primary biliary cirrhosis: a clinical syndrome similar to the mixed connective tissue disease. Epstein O, et al. **J R Soc Med** 1981 Jun;74(6):456–8
Localized scleroderma and idiopathic thrombocytopenia. Neucks SH, et al. **J Rheumatol** 1980 Sep–Oct;7(5):741–4
Clinical course of patients with scleroderma renal crisis treated with captopril. Zawada ET Jr, et al. **Nephron** 1981; 27(2):74–8
Bilateral central retinal vein occlusion in a patient with scleroderma. Saari KM, et al. **Ophthalmologica** 1981; 182(1):7–12
Retroperitoneal fibrosis and scleroderma. Mansell MA, et al. **Postgrad Med J** 1980 Oct;56(660):730–3
Cardiac involvement in progressive systemic sclerosis (P.S.S.)—an echocardiographic study. Weiss S, et al.
Z Rheumatol 1980 May–Jun;39(5–6):190–6
[Calcification in diffuse scleroderma] Tiefenbach J.
Fysiatr Reumatol Vestn 1981 Jun;59(3):130–7 (Eng. Abstr.) **(Cze)**
[Raynaud's phenomenon and scleroderma (author's transl)] Merlen JF. **Ann Cardiol Angeiol (Paris)** 1980 Jun; 29(4):333–7 (Eng. Abstr.) **(Fre)**
[Sclerodermal cardiopathy. Apropos of 155 cases of generalised scleroderma] Juillet Y, et al.
Arch Mal Coeur 1980 Sep;73(9):1019–26 (Eng. Abstr.) **(Fre)**
[Colonic involvement in systemic sclerosis: report of a case with perforation (author's transl)] Bloch F, et al.
Gastroenterol Clin Biol 1981 Jun–Jul;5(6–7):655–62 (Eng. Abstr.) **(Fre)**
[Thibierge–Weissenbach syndrome associated with Sjögren syndrome. Radiological and clinical features (author's transl)] Brombart JC. **J Belge Radiol** 1980;63(4):497–503 (Eng. Abstr.) **(Fre)**
[Scleroderma complicated by arterial hypertension and kidney failure: treatment with captopril (letter)] Flechet ML, et al. **Nouv Presse Med** 1981 May 16;10(22):1848 **(Fre)**
[Scleroderma complicated by arterial hypertension and renal insufficiency. Favorable effects of captopril (letter)] Grünfeld JP, et al. **Nouv Presse Med** 1980 Oct 4;9(36):2658 **(Fre)**
[Cardiac manifestations of scleroderma. Prospective study of thirty cases (author's transl)] Bletry O, et al.
Sem Hop Paris 1980 Dec 8–15;56(45–46):1901–7 (Eng. Abstr.) **(Fre)**
[Chronic hepatopathy and progressive systemic sclerosis. Frequency of association with Gougerot–Sjögren's disease. A report on six new cases (author's transl)] Godeau P, et al. **Sem Hop Paris** 1980 Dec 8–15;56(45–46):1895–900 (Eng. Abstr.) **(Fre)**
[Rapidly progressive scleroderma associated with medullary thyroid carcinoma (author's transl)] Gram NT.
Dtsch Med Wochenschr 1981 Jul 3;106(27):870–1 (Eng. Abstr.) **(Ger)**
[Kidney involvement in scleroderma] Ritz E.
Dtsch Med Wochenschr 1981 Jan 2;106(1):23–5 **(Ger)**
[Breast cancer and melanoma in progressive scleroderma] Mensing H, et al. **ZFA (Stuttgart)** 1980 Jun 10; 56(16):1137–41 **(Ger)**
[The sclerodermic cardiopathy. Infarction-like electrocardiographic picture and clinico-echocardiographic correlation in three observed cases (author's transl)] Loperfido F, et al.
G Ital Cardiol 1980;10(8):1077–84 (Eng. Abstr.) **(Ita)**
[Sclerodermic heart. Report of a case with malignant evolution (author's transl)] Magri G, et al.
G Ital Cardiol 1981;11(1):132–8 (Eng. Abstr.) **(Ita)**
[Renal involvement in progressive systemic sclerosis (scleroderma). Anatomo-clinical study of 7 cases] Surian M, et al. **Minerva Nefrol** 1980 Apr–Jun;27(2):333–42 (Eng. Abstr.) **(Ita)**
[Studies on clinical significance and pathogenesis of calcinosis in progressive systemic sclerosis (author's transl)] Hoshina H, et al. **Nippon Naika Gakkai Zasshi** 1980 Jun 6; 69(6):723–31 **(Jpn)**
[Gestation and rapidly progressive form of scleroderma (author's transl)] Garcez D de M, et al. **AMB** 1979 Dec; 25(12):445–6 (Eng. Abstr.) **(Por)**
[Progressive general sclerosis associated with thrombocytopenic purpura, autoimmune hemolytic anemia and selective immunoglobulin A deficiency] Córdova LT, et al. **Gac Med Mex** 1981 Feb;117(2):76–80 **(Spa)**

DIAGNOSIS

Acute diffuse scleroderma. Nunzi E, et al.
Acta Derm Venereol (Stockh) 1981;61(2):173–6
Dermal fibrosis in spinal cord injury patients: a scleroderma variant? Stover SL, et al. **Arthritis Rheum** 1980 Nov; 23(11):1312–7
The skin changes in scleroderma (systemic sclerosis). Barnett AJ. **Australas J Dermatol** 1980 Dec;21(3):142–50
Raynaud's phenomenon and scleroderma. Harper FE, et al.
Compr Ther 1981 Feb;7(2):45–51
Scanning the skin for signs of connective tissue disorders. Fenske NA, et al. **Geriatrics** 1981 Mar;36(3):47–66
The spectrum of systemic sclerosis--current concepts. Hochberg MC. **Hosp Pract** 1981 Mar;16(3):61–7, 70–2
Severe hypertension and Raynaud's phenomenon. Hunter DS, et al. **Hosp Pract** 1980 Sep;15(9):40
Primary biliary cirrhosis and scleraderma variant: a case presentation. Medd WL, et al. **J Maine Med Assoc** 1980 Oct;71(10):308–11
Diffuse fasciitis with eosinophilia: a steroid-responsive variant of scleroderma. Britt WJ, et al. **J Pediatr** 1980 Sep; 97(3):432–4
Bowed fingers. A helpful sign in the early diagnosis of systemic sclerosis. Palmer DG, et al. **J Rheumatol** 1981 Mar–Apr;8(2):266–72
Scleroderma and other diseases associated with cutaneous sclerosis. Chanda JJ. **Med Clin North Am** 1980 Sep; 64(5):969–82
Scleroderma. Current understanding of pathogenesis and management. Phillips RM Jr, et al. **Postgrad Med** 1981 Sep; 70(3):153–68
[Isolated sensory neuropathy of the trigeminal and Sjögren's syndrome: scleroderma?] Froissart M, et al.
Rev Otoneuroophtalmol 1980 Oct–Dec;52(5):453–8 (Eng. Abstr.) **(Fre)**
[Which diagnosis would you make? (Scleroderma)] Wittermann E. **Med Klin** 1980 Oct 10;75(21):51, 69 **(Ger)**
[EEG-findings in 44 selected patients with scleroderma (author's transl)] Gottwald W, et al. **Nervenarzt** 1981 Apr; 52(4):219–27 **(Ger)**
[CRST syndrome (Thibierge–Weissenbach syndrome) in a patient with 13-year history of systemic scleroderma] Kierat J, et al. **Wiad Lek** 1981;34(7):599–602 (Eng. Abstr.) **(Pol)**
[Case of systemic scleroderma with atypical clinical course] Sadowska H, et al. **Wiad Lek** 1980 Dec 1;33(23):1903–7 (Eng. Abstr.) **(Pol)**
[Systemic sclerosis with a rapidly progressing course] Nasonova VA, et al. **Ter Arkh** 1981;53(4):79–86 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Prostaglandin E1 infusions for vascular insufficiency in progressive systemic sclerosis. Martin MF, et al.
Ann Rheum Dis 1981 Aug;40(4):350–4
Acute prednisone-induced disabling myalgias in scleroderma [letter] Thompson MD, et al. **Arthritis Rheum** 1981 Apr; 24(4):639–40
Captopril-induced agranulocytosis in systemic sclerosis. Watson MA, et al. **Aust NZ J Med** 1981 Feb;11(1):79–81
Treatment of vasospastic disease with prostaglandin E1. Clifford PC, et al. **Br Med J** 1980 Oct 18;281(6247):1031–4
Stimulating circulation to end stasis in scleroderma. Yuan X, et al. **Chin Med J [Engl]** 1981 Feb;94(2):85–93
Progressive systemic sclerosis and penicillamine. Rodnan GP.
J Rheumatol [Suppl] 1981 Jan–Feb;7:116–20
Cyclofenil in the treatment of scleroderma – a general view on the results after treating 29 cases. Bülow BB, et al.
Z Rheumatol 1980 Jan–Feb;39(1–2):1–8
[Scleroderma in the child. Treatment with colchicine (letter)] Harpey JP, et al. **Nouv Presse Med** 1980 Oct 18;9(38):2844 **(Fre)**
[D-penicillamine in the treatment of progressive systemic sclerosis] Marques Neto JF, et al. **AMB** 1980 Jun; 26(6):191–3 (Eng. Abstr.) **(Por)**
[Hydrocortisone and cuprenil phonophoresis in the therapy of scleroderma] Dovzhanskaia VS.
Vestn Dermatol Venerol 1980 Oct;(10):50–1 (5 ref.) (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

[Beta-Galactosidase activity in serum of systemic sclerosis (author's transl)] Herrmann K, et al.
Dermatol Monatsschr 1981 Feb;167(2):91–5 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Unusual case of progressive systemic sclerosis with onset in early childhood and following infectious mononucleosis. Urano J, et al. **Eur J Pediatr** 1981 Jul;136(3):285–9
[A case of progressive systemic sclerosis in construction workers-on the effect of exposed vibration at winch operating (author's transl)] Harada N, et al.

Sangyo Igaku 1981 Mar;23(2):164–5 **(Jpn)**

FAMILIAL & GENETIC

Three siblings with scleroderma (systemic sclerosis) and two with Raynaud's phenomenon from a single kindred. Sheldon WB, et al. **Arthritis Rheum** 1981 May;24(5):668–76

IMMUNOLOGY

Direct immunofluorescent findings in scleroderma syndromes. Connolly SM, et al.
Acta Derm Venereol (Stockh) 1981;61(1):29–36

The CREST syndrome: a distinct serologic entity with anticentromere antibodies. Fritzler MJ, et al.
Am J Med 1980 Oct;69(4):520–6

Abnormalities of immunoregulation in progressive systemic sclerosis. Evidence for excess helper–cell function and altered B–cell function. Krakauer RS, et al.
Arch Dermatol 1981 Feb;117(2):80–2

Increased prevalence of DRw3 in the CREST syndrome. Germain BF, et al. **Arthritis Rheum** 1981 Jun;24(6):857–9

Increased frequency of HLA–DR5 in scleroderma. Gladman DD, et al. **Arthritis Rheum** 1981 Jun;24(6):854–6

Cryoglobulinemia and circulating immune complexes in progressive systemic sclerosis. Malaviya AN, et al.
Indian J Med Res 1980 Sep;72:359–64

Human postthymic precursor cells in health and disease. VII. Immunoregulatory circuits of the peripheral blood mononuclear cells from patients with progressive systemic sclerosis. Alarcón–Segovia D, et al.
J Clin Lab Immunol 1981 May;5(3):143–8

Reactions between polyribonucleotides and low density lipoproteins in sera of patients with progressive systemic sclerosis. Garcia I, et al. **J Immunol** 1981 Feb;126(2):706–8

Elevated levels of antibodies to polyuridylic acid detected and quantitated in systemic scleroderma patients by solid phase radioimmunoassay. Heinzerling RH, et al.
J Invest Dermatol 1980 Sep;75(3):224–7

Abnormalities of T lymphocyte subsets in patients with progressive systemic sclerosis (PSS, scleroderma). Inoshita T, et al. **J Lab Clin Med** 1981 Feb;97(2):264–77

Thrombocytopenia as a prominent feature of progressive systemic sclerosis and the probable role of immune complexes. Kimura M, et al. **Jpn J Exp Med** 1980 Oct; 50(5):389–91

Cytotoxic factors specific for endothelial cells. Progressive systemic sclerosis without cutaneous involvement. Spitzer R, et al. **NY State J Med** 1981 Jun;81(7):1081–3

[Antinuclear antibodies in mesenchymal scleroderma and progressive systemic sclerosis (author's transl)] Sugiura M, et al. **Nippon Hifuka Gakkai Zasshi** 1980 Sep;90(10):935–7 **(Jpn)**

[Immunological reactions to connective tissue antigens in rheumatoid arthritis, systemic scleroderma and systemic lupus erythematosus] Abdeeva ZhI, et al. **Ter Arkh** 1980; 52(11):122–6 (Eng. Abstr.) **(Rus)**

[Antinuclear autoantibodies in systemic diseases] Butov IuS. **Vestn Dermatol Venerol** 1980 Nov;(11):17–22 (65 ref.) **(Rus)**

METABOLISM

Scleroderma fibroblasts: some aspects of in vitro assessment of collagen synthesis. Krieg T, et al.
Arch Dermatol Res 1981;270(3):263–72

Investigation of type I and type III collagens of the lung in progressive systemic sclerosis. Seyer JM, et al.
Arthritis Rheum 1981 Apr;24(4):625–31

Immunoelectron microscopy of type III collagen in normal and scleroderma skin. Fleischmajer R, et al.
J Invest Dermatol 1980 Aug;75(2):189–91

Variability in collagen and fibronectin synthesis by scleroderma fibroblasts in primary culture. Fleischmajer R, et al. **J Invest Dermatol** 1981 May;76(5):400–3

PATHOLOGY

Severe peripheral vascular deterioration in scleroderma. A case report. Posner MA, et al. **Acta Orthop Scand** 1980 Apr;51(2):239–41

Atypical collagen disease. Polymyositis, prominent hematoxylin body formation and some manifestations of progressive systemic sclerosis. Mitsuhashi T, et al.
Acta Pathol Jpn 1980 Nov;30(6):1019–35

Myofibroblasts in fibrous tumors and fibrosis in various organs. Nakanishi I, et al. **Acta Pathol Jpn** 1981 May; 31(3):423–37

Histologic forms resembling 'large bodies' in scleroderma and 'pseudoscleroderma'. Cantwell AR Jr.
Am J Dermatopathol 1980 Fall;2(3):273–6

Scleroderma in the elderly. Williams PL, et al.
Br Med J [Clin Res] 1981 Mar 21;282(6268):948

Small intestinal structure and passive permeability in systemic sclerosis. Cobden I, et al. **Gut** 1980 Apr;21(4):293–8

Human respiratory nasal mucosa in progressive systemic sclerosis (scleroderma). An electron microscopic study. Talaat AM, et al. **J Laryngol Otol** 1980 Jun;94(6):617–27

Morphologic changes in the digital arteries of patients with progressive systemic sclerosis (scleroderma) and Raynaud phenomenon. Rodnan GP, et al. **Medicine (Baltimore)** 1980 Nov;59(6):393–408

Clinicopathologic conference. Grady Memorial Hospital--Emory University. Progressive systemic sclerosis with terminal neurologic manifestations. Miller SB, et al. **South Med J** 1981 Jun;74(6):735–43

Morphometry of intrarenal arteries in progressive sclerosis. Henrichs KJ, et al. **Virchows Arch [Pathol Anat]** 1980; 385(3):351–9

[Shulman's syndrome. A variant of scleroderma? Two cases (author's transl)] Barrière H, et al.
Ann Dermatol Venereol 1980 Jul;107(7):643–6 (Eng. Abstr.) **(Fre)**

[Quantitative assessment of labial salivary gland sclerosis in patients with diffuse scleroderma (author's transl)] Kazandjian S, et al. **Nouv Presse Med** 1981 Feb 7; 10(5):317–8,323 (Eng. Abstr.) **(Fre)**

[Scleroderma microangiopathy. Physiopathogenic hypothesis] Fiessinger JN, et al. **Rev Med Interne** 1980; 1(1):61–4 (Eng. Abstr.) **(Fre)**

[New developments in the pathology, pathophysiology and therapy of systemic scleroderma] Asboe–Hansen G.
Hautarzt 1980 Nov;31(11):584–7 (Eng. Abstr.) **(Ger)**

[Clinical characteristics of scleroderma] Nemkaeva RM, et al. **Vestn Dermatol Venerol** 1981 Feb;(2):52–3 (Eng. Abstr.) **(Rus)**

[Pathological anatomy of the striated muscle in scleroderma. Study of 11 cases] Ripoll M, et al.
Rev Esp Reum Enferm Osteoartic 1980;23(3):167–80 **(Spa)**

PHYSIOPATHOLOGY

Regional differences in microvascular responses in generalized scleroderma. Kristensen JK.
Acta Derm Venereol (Stockh) 1981;61(3):257–8

Influence of orthostatic pressure changes on blood flow in fingers in generalized scleroderma. Kristensen JK.
Acta Derm Venereol (Stockh) 1981;61(1):71–3

Local regulation of blood flow in cutaneous and subcutaneous tissue in patients with generalized scleroderma. Kristensen JK.
Acta Derm Venereol [Suppl] (Stockh) 1980;Suppl 90:1–39

Abnormal colonic motility in progressive systemic sclerosis. Battle WM, et al. **Ann Intern Med** 1981 Jun;94(6):749–52

Functional renal involvement in normotensive patients with progressive systemic sclerosis: impaired sodium excretion during isotonic saline infusion. D'Angelo A, et al.
Arthritis Rheum 1981 Jan;24(1):8–11

Atrioventricular nodal function in progressive systemic sclerosis: electrophysiological and morphological findings. Roberts NK, et al. **Br Heart J** 1980 Nov;44(5):529–33

Immunofluorescence analysis of collagen, fibronectin, and basement membrane protein in scleroderma skin. Fleischmajer R, et al. **J Invest Dermatol** 1980 Sep; 75(3):270–4

Sign of scleroderma kidney [news] **JAMA** 1981 Jul 24–31; 246(4):324

A documented episode of pulmonary vasoconstriction in systemic sclerosis. Naslund MJ, et al.
Johns Hopkins Med J 1981 Feb;148(2):78–80

[Peptic esophagitis and scleroderma: apropos of a case of the CREST syndrome (letter)] Grandjean JP, et al.
Gastroenterol Clin Biol 1981 Apr;5(4):472–3 **(Fre)**

[Respiratory function profile in scleroderma. 20 cases (author's transl)] Kleisbauer JP, et al. **Poumon Coeur** 1980; 36(6):371–6 (Eng. Abstr.) **(Fre)**

[Pulmonary function in scleroderma] Romeiro Neto M, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1980 Aug; 35(4):178–82 (Eng. Abstr.) **(Por)**

[Pancreatic condition in systemic scleroderma] Grebeneev AL, et al. **Ter Arkh** 1980;52(11):87–9 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

Skeletal findings in progressive systemic sclerosis (scleroderma). Bassett LW, et al. **AJR** 1981 Jun; 136(6):1121–6

The arthropathy of advanced progressive systemic sclerosis. A radiographic survey. Blocka KL, et al.
Arthritis Rheum 1981 Jul;24(7):874–84

Radiological problem of the month: Progressive systemic sclerosis--scleroderma. **NY State J Med** 1980 Nov; 80(12):1855–6

Changes in the mandible in scleroderma. Report of a case. Weiner SN, et al. **Oral Surg** 1981 Mar;51(3):329–30

Pulmonary cysts in progressive systemic sclerosis (scleroderma). Henry DA. **Rev Interam Radiol** 1980 Oct; 5(4):113–6

[Roentgenologic study of diffuse scleroderma (author's transl)] Liu YD. **Chung Hua Fang She Hsueh Tsa Chih** 1979;13(1):8–10 **(Chi)**

[CRST syndrome (Thibierge–Weissenbach's syndrome) and intra–articular calcification: a case report (author's transl)] Hamza M, et al. **J Radiol** 1981 Apr;62(4):267–70 (Eng. Abstr.) **(Fre)**

SURGERY

Progressive systemic sclerosis. Prolonged sensory blockade following regional anaesthesia in association with a reduced response to systemic analgesics. Neill RS. **Br J Anaesth** 1980 Jun;52(6):623–5

[Considerations on CRET syndrome. Apropos of an acute mutilating form] Ojeda E, et al. **Rev Clin Esp** 1980 Aug 15–31;158(3–4):173–6 **(Spa)**

THERAPY

Factor XIII treatment for scleroderma [letter] Delbarre F, et al. **Lancet** 1981 Jul 25;2(8239):204

[Changes in the thermographic picture during immunostimulation therapy in progressive systemic sclerosis] Tauchmanová H, et al.
Fysiatr Reumatol Vestn 1981 Jan;59(1):36–41 (Eng. Abstr.) **(Slo)**

URINE

Compositional changes of urinary acidic glycosaminoglycans in progressive systemic sclerosis. Murata K, et al.
Clin Chim Acta 1980 Nov 20;108(1):49–59

[Urinary glycosaminoglycans in systemic scleroderma] Astakhova TA, et al. **Ter Arkh** 1980;52(12):100–5 (Eng. Abstr.) **(Rus)**

VETERINARY

Characterization of a spontaneous disease of white leghorn chickens resembling progressive systemic sclerosis (scleroderma). Gershwin ME, et al. **J Exp Med** 1981 Jun 1;153(6):1640–59

SCLEROMA, NASAL see **RHINOSCLEROMA**

SCLEROSING SOLUTIONS

Paravasal sclerotherapy without anaesthesia for variceal bleeding [letter] Egberts EH, et al. **Lancet** 1980 Oct 11; 2(8198):797

Control of oesophageal variceal bleeding [letter] Smith PM, et al. **Lancet** 1980 Oct 4;2(8197):747

Renal cysts: treatment with alcohol. Bean WJ. **Radiology** 1981 Feb;138(2):329–31

Percutaneous sclerotherapy of varicocele. Seyferth W, et al.
Radiology 1981 May;139(2):335–40

ADMINISTRATION & DOSAGE

Bleeding varices: 1. Emergency management. Hanna SS, et al. **Can Med Assoc J** 1981 Jan 1;124(1):29–41 (93 ref.)

Control of bleeding esophageal varices by endoscopic sclerotherapy. Rösch W. **Cardiovasc Intervent Radiol** 1980 Nov;3(4):307

Endoscopic injection sclerosis (EIS) of esophageal varices. Sivak MV Jr, et al. **Gastrointest Endosc** 1981 May; 27(2):52–7

Endoscopic injection sclerosis (EIS) of esophageal varices: rebirth of an old technique [editorial] Tedesco FJ.
Gastrointest Endosc 1981 May;27(2):107

Sclerotherapy of cardia varices in a small child by means of a flexible gastroscope. Granditsch G, et al.
Z Kinderchir Grenzgeb 1980 Jul;30(3):283–5

[Localized compression with phleborollers] Varady Z.
Vasa 1981;10(2):171–2 (Eng. Abstr.) **(Ger)**

[Are endovaricose accumulation of hematogenous substances normal in sclerotherapy?] Wenner L. **Vasa** 1981;10(2):174–6 (Eng. Abstr.) **(Ger)**

[Sclerosing therapy via endoscopy of esophageal varices] Montori A, et al. **Ann Ital Chir** 1979;51(2):157–67 **(Ita)**

[Results of local sclerosing therapy in the treatment of Walker 256 carcinosarcoma implanted in the liver] De Macedo AR, et al. **Chir Patol Sper** 1979 Oct;27(5):444–55 (Eng. Abstr.) **(Ita)**

[Biochemical liver function indices in the sclerosing therapy of hemangiomas in infants] Krishtopenko LS, et al.
Vestn Khir 1981 Mar;126(3):101–4 **(Rus)**

ADVERSE EFFECTS

The effect of common sclerosing agents on the rabbit pleural space. Sahn SA, et al. **Am Rev Respir Dis** 1981 Jul; 124(1):65–7

Bacteremia after proctoscopy and hemorrhoidal injection sclerotherapy. Adami B, et al. **Dis Colon Rectum** 1981 Jul–Aug;24(5):373–4

Ureteropelvic junction obstruction resulting from percutaneous cyst puncture and intracystic isophendylate injection: an unusual complications. Camacho MF, et al. **J Urol** 1980 Nov;124(5):713–4

[Complications of sclerosing and surgical treatment of leg varices. Apropos of 90 cases] Benhamou AC, et al.
Phlebologie 1981 Jan–Mar;34(1):41–51 (Eng. Abstr.) **(Fre)**

[Arterial complications of the treatment of varices] Frileux C, et al. **Phlebologie** 1981 Jan–Mar;34(1):63–8 (Eng. Abstr.) **(Fre)**

[Paresthesia sequelae of the thigh after sclerosis of the internal saphenous arch] Sarteel AM, et al. **Phlebologie** 1981 Jan–Mar;34(1):69–71 (Eng. Abstr.) **(Fre)**

[Better prevention of complications in the practice of sclerotherapy] Wallois P. **Phlebologie** 1981 Jan–Mar; 34(1):77–80 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Endoscopic sclerotherapy in acute variceal hemorrhage. Palani CK, et al. **Am J Surg** 1981 Jan;141(1):164–8

Compression sclerotherapy [letter] Watkin DF. **Br J Surg** 1980 Sep;67(9):682

Selective sclerotherapy of the internal spermatic vein in patients with varicoceles. Zeitler E, et al.
Cardiovasc Intervent Radiol 1980 Jul;3(3):166–9

Prospective controlled trial of injection sclerotherapy in patient with cirrhosis and recent variceal haemorrhage. Clark AW, et al. **Lancet** 1980 Sep 13;2(8194):552–4

[Post-sclerotherapy relapses of varices (author's transl)] Horáková-Nedvidková M. **Cesk Dermatol** 1981 Apr; 56(2):93–9 (Eng. Abstr.) **(Cze)**

[Treatment of duodenal ulcer by chemical sclerosis of the gastric mucosa (results after 1 to 5 years)] Mandache F, et al. **Chirurgie** 1980;106(7):550–1 (Eng. Abstr.) **(Fre)**

[Endoscopic control of gastrointestinal bleeding by sclerosing injections. Application to peptic ulcers and polypectomies (author's transl)] Soehendra N, et al. **Nouv Presse Med** 1980 Jun 28;9(28):1955–6 (Eng. Abstr.) **(Fre)**

[Sclerotherapy of hemorrhoids] Badon A. **Phlebologie** 1980 Oct–Dec;33(4):613–6 (Eng. Abstr.) **(Fre)**

[Sclerotherapy with compression of internal and external saphenous vein junctions. Results] Cloutier G, et al. **Phlebologie** 1980 Oct–Dec;33(4):731–5 (Eng. Abstr.) **(Fre)**

[Sclerosis of varicose veins in patients on anticoagulants. Apropos of the report of 2 patients on anticoagulants] Dastain JY. **Phlebologie** 1981 Jan–Mar;34(1):73–6 (Eng. Abstr.) **(Fre)**

[Importance of Aetoxisclerol in sclerotherapy of hemorrhoids] Imbert R. **Phlebologie** 1980 Oct–Dec; 33(4):617–21 (Eng. Abstr.) **(Fre)**

[Sclerotherapy of hemorrhoids by the Blond method] Schuler H. **Phlebologie** 1980 Oct–Dec;33(4):697 (Eng. Abstr.) **(Fre)**

[Treatment of varicose veins in pregnancy] Güss H. **Fortschr Med** 1981 Jan 22;99(3):62–5 **(Ger)**

[Fiberscopic obliteration of esophageal varices (author's transl)] Soehendra N, et al. **Langenbecks Arch Chir** 1980; 351(3):219–28 (Eng. Abstr.) **(Ger)**

[Results of sclerosing therapy of hemorrhaging esophageal varices] Dostal G, et al. **Med Welt** 1981 Jan 16;32(3):106–8 **(Ger)**

[Fibrosclerosing procedure for the esophagus in esophageal varices] Paquet KJ. **Med Welt** 1980 Mar 21;31(12):429–31 **(Ger)**

[Thoughts on the differences between time-tried sclerotherapy methods] Wenner L. **Vasa** 1981;10(1):74–8 (Eng. Abstr.) **(Ger)**

[A modified oesophagoscope for sclerotherapy of bleeding oesophageal varices (author's transl)] Brunner G. **Z Gastroenterol** 1980 Aug;18(8):443–8 (Eng. Abstr.) **(Ger)**

[Endoscopic sclerotization of the oesophagus wall or transhepatic thrombosis of the coronary vein: Alternative or complementary therapy of bleeding oesophageal varices in portal hypertension (author's transl)] Schmidt HD, et al. **Z Gastroenterol** 1980 May;18(5):243–51 (Eng. Abstr.) **(Ger)**

[Results of percutaneous kidney cyst sclerosing] Hölzer DH, et al. **Z Urol Nephrol** 1981 Mar;74(3):213–6 (Eng. Abstr.) **(Ger)**

[Sclerosing of varicose veins and additional medication. Are disease course and results affected by combined therapy? An experience report] Böhme D. **ZFA (Stuttgart)** 1980 May 10;56(13):953–9 **(Ger)**

[Current viewpoints on sclerotherapy] Goor W. **ZFA (Stuttgart)** 1981 Jan 20;57(2):62–6 **(Ger)**

[Indications for surgical and sclerosant treatment of essential varices of lower limbs (author's transl) Berta V, et al. **Chir Ital** 1980 Feb;32(1):177–80 (Eng. Abstr.) **(Ita)**

[Observations on the treatment of varicose and arterial ulcerations of legs with Solcoseryl (author's transl)] Olejnicka Z. **Ann Univ Mariae Curie Sklodowska [Med]** 1979;34:317–21 **(Pol)**

[Sclerotherapy of rectal prolapse in children] Dekhkanov ID, et al. **Vestn Khir** 1980 Jun;124(6):112–4 (Eng. Abstr.) **(Rus)**

[Fiberendoscopic sclerotherapy of esophageal varices (description of a technic)] Soifer L, et al. **Acta Gastroenterol Latinoam** 1980;10(4):297–300 (Eng. Abstr.) **(Spa)**

SCLEROSIS

Lobular carcinoma in situ in sclerosing adenosis. A potential source of confusion with invasive carcinoma. Fechner RE. **Am J Surg Pathol** 1981 Apr;5(3):233–9

DIAGNOSIS

Tubular carcinoma and sclerosing adenosis [letter] McDivitt RW. **Am J Surg Pathol** 1980 Dec;4(6):605

DRUG THERAPY

Treatment of liposclerosis [letter] Muston HL. **Br Med J** 1980 Jan 26;280(6209):254–5

SCLEROSIS, DISSEMINATED see **MULTIPLE SCLEROSIS**

SCLEROSIS, HEREDITARY SPINAL see **FRIEDREICH'S ATAXIA**

SCLEROSIS, PRESENILE see **DEMENTIA, PRESENILE**

SCLEROSIS, PROGRESSIVE SYSTEMIC see **SCLERODERMA, SYSTEMIC**

SCLEROTINIA see under **ASCOMYCETES**

SCOLIOSIS

Prognosis in infantile idiopathic scoliosis. Ceballos T, et al. **J Bone Joint Surg [Am]** 1980 Sep;62(6):863–75

[Round table: So-called idiopathic scolioses in the adult] Guillaumat M, et al. **Rev Chir Orthop** 1981;67 Suppl 2:1–44 **(Fre)**

BLOOD

Growth related hormones in idiopathic scoliosis. An endocrine basis for accelerated growth. Skogland LB, et al. **Acta Orthop Scand** 1980 Oct;51(5):779–80

Collagen-induced platelet aggregation and bleeding time in adolescent idiopathic scoliosis. Udén A, et al. **Acta Orthop Scand** 1980 Oct;51(5):773–7

Microanalysis and X-ray fluorescence spectrometry of platelets in diseases with elevated muscle calcium. Yarom R, et al. **Eur J Clin Invest** 1980 Apr;10(2 Pt 1):143–7

COMPLICATIONS

Neuropathy in thoracic scoliosis. Kaplan PE, et al. **Acta Orthop Scand** 1980 Apr;51(2):263–6

Cardiopulmonary effects of scoliosis. DiRocco P. **Am Correct Ther J** 1981 Mar–Apr;35(2):38–40

Scoliosis and kyphoscoliosis [letter] Kryger MH, et al. **Am Rev Respir Dis** 1981 Jul;124(1):99–100

Pathomechanics and management of scoliosis in Friedreich ataxia patients: preliminary report. Allard P, et al. **Can J Neurol Sci** 1980 Nov;7(4):383–8

Congenital dislocation of the hip in infantile idiopathic scoliosis. Hooper G. **J Bone Joint Surg [Br]** 1980 Nov; 62–B(4):447–9

The incidence of low-back pain in adult scoliosis. Kostuik JP, et al. **Spine** 1981 May–Jun;6(3):268–73

[Respiratory insufficiency in kyphoscolioses (author's transl)] Laaban JP, et al. **Poumon Coeur** 1980 Sep–Oct;36(5):335–43 (39 ref.) (Eng. Abstr.) **(Fre)**

[The significance of atelectasis in thoracogenic ventilatory disorders (author's transl)] Meister R. **Prax Klin Pneumol** 1980 May;34(5):273–81 (Eng. Abstr.) **(Ger)**

CONGENITAL

Congenital horizontal gaze palsy and kyphoscoliosis [letter] Dretakis EK. **J Med Genet** 1980 Aug;17(4):324

[Diplomyelia (author's transl)] Krkoška J, et al. **Cesk Radiol** 1981 Jan;35(1):57–9 (Eng. Abstr.) **(Cze)**

[Therapeutic-preventive resection of lateral hemivertebrae in infants with congenital scoliosis] Bairov GA, et al. **Vestn Khir** 1980 May;124(5):91–4 **(Rus)**

DIAGNOSIS

Equilibrium factors as predictors of the prognosis in adolescent idiopathic scoliosis. Sahlstrand T, et al. **Clin Orthop** 1980 Oct;(152):232–6

Growth landmarks and the evolution of scoliosis: a review of pertinent studies on their usefulness. Terver S, et al. **Dev Med Child Neurol** 1980 Oct;22(5):675–84

[Idiopathic scoliosis; diagnosis and treatment in the growing child] Veraart BE. **Ned Tijdschr Geneeskd** 1981 Aug 8; 125(32):1286–96 **(Dut)**

[Prognosis of infantile scoliosis (author's transl)] Dunoyer J, et al. **Rev Chir Orthop** 1979 Dec;65(8):421–31 (Eng. Abstr.) **(Fre)**

[A method for measuring the mobility of the lumbar spine (author's transl)] Theysohn H, et al. **Biomed Tech (Berlin)** 1980 Dec;25(12):324–30 (Eng. Abstr.) **(Ger)**

[Photographic moiré method for preliminary diagnosis of spine deformity (author's transl)] Frontino G, et al. **Ateneo Parmense [Acta Biomed]** 1980;51(1):33–8 (Eng. Abstr.) **(Ita)**

EMBRYOLOGY

Idiopathic scoliosis from the point of view of the neuroradiologist. Roth M. **Neuroradiology** 1981;21(3):133–8

ETIOLOGY

The rigid spine syndrome. Dunn HG. **Brain Dev** 1979; 1(2):75–6

Prader-Willi syndrome and scoliosis. Holm VA, et al. **Dev Med Child Neurol** 1981 Apr;23(2):192–201

Scoliosis after thoracotomy in tracheoesophageal fistula patients. A follow-up study. Durning RP, et al. **J Bone Joint Surg [Am]** 1980 Oct;62(7):1156–9

Paralytic spinal deformity following traumatic spinal-cord injury in children and adolescents. Lancourt JE, et al. **J Bone Joint Surg [Am]** 1981 Jan;63A(1):47–53

Spinal deformity in children treated for neuroblastoma. Mayfield JK, et al. **J Bone Joint Surg [Am]** 1981 Feb; 63A(2):183–93

Radiation enteritis and radiation scoliosis; intestinal obstruction following spinal fusion. Shah M, et al. **NY State J Med** 1980 Sep;80(10):1611–3

Scoliosis--a new contributing factor to consider [editorial] Upledger J. **Postgrad Med** 1980 Nov;68(5):40

Scoliosis in children with juvenile rheumatoid arthritis. Svantesson H, et al. **Scand J Rheumatol** 1981;10(2):65–8

[Spine deformities induced by irradiation of Wilm's tumors (author's transl)] Dubousset J. **Rev Chir Orthop** 1980 Oct; 66(7):441–51 (Eng. Abstr.) **(Fre)**

[Leg length inequality can lead to cervical and lumbar syndromes] Heufelder P. **Med Klin** 1980 Nov 7; 75(23):826–7 **(Ger)**

[Electromyographical and kinesiological investigations: Comparison of congenital and idiopathic scoliosis (author's transl)] Güth V, et al. **Z Orthop** 1980 Apr;118(2):165–72 (Eng. Abstr.) **(Ger)**

[Cerebral dysfunction in patients with idiopathic scoliosis] Lukeschitsch G, et al. **Z Orthop** 1980;118(3):372–5 (Eng. Abstr.) **(Ger)**

[Vertebral osteoid osteoma, rare cause of nerve root compression and scoliosis in childhood] Granieri U, et al. **Riv Neurol** 1980 Jul–Aug;50(4):278–84 (Eng. Abstr.) **(Ita)**

[Mechanical origin of the torsional changes in scoliosis] Dudin MG, et al. **Ortop Travmatol Protez** 1981 Feb;(2):33–6 (Eng. Abstr.) **(Rus)**

FAMILIAL & GENETIC

Genetics of scoliosis in chickens. McCarrey JR, et al. **J Hered** 1981 Jan–Feb;72(1):6–10

Familial incidence of osseous lesions in neurofibromatosis. Agarwal RP, et al. **J Indian Med Assoc** 1980 Mar 1; 74(5):93–4

Syndrome of hydrocephalus, costovertebral dysplasia and Sprengel anomaly with autosomal dominant inheritance. Waaler PE, et al. **Neuropaediatrie** 1980 Aug;11(3):291–7

[Familial incidence in idiopathic scoliosis (author's transl)] Funatsu K. **Nippon Seikeigeka Gakkai Zasshi** 1980 Jul; 54(7):633–49 (Eng. Abstr.) **(Jpn)**

[Genetic aspect of dysplastic (idiopathic) scoliosis] Levaia NV. **Ortop Travmatol Protez** 1981 Feb;(2):23–9 (Eng. Abstr.) **(Rus)**

METABOLISM

Collagen changes in congenital and idiopathic scoliosis. Udén A, et al. **Acta Orthop Scand** 1980 Apr;51(2):271–4

Distribution of glycosaminoglycans across the normal and the scoliotic disc. Ghosh P, et al. **Spine** 1980 Jul–Aug; 5(4):310–7

MORTALITY

Maternal mortality in pregnancies complicated by kyphoscoliosis. Kreitzer M, et al. **J Med Soc NJ** 1981 Jan; 78(1):36–8

OCCURRENCE

School screening for scoliosis: cohort study of clinical course. Dickson RA, et al. **Br Med J** 1980 Jul 26;281(6235):265–7

Scoliosis screening and growth in Western Australian students. Taylor JR, et al. **Med J Aust** 1980 May 17; 1(10):475–8

Scoliosis screening: results of a community project. Gore DR, et al. **Pediatrics** 1981 Feb;67(2):196–200

[Scoliosis and mitral valve prolapse. An epidemiological and etiopathogenetic screening (author's transl)] Russo L, et al. **G Ital Cardiol** 1980;10(8):1001–5 (Eng. Abstr.) **(Ita)**

[Scoliotic disease in schoolchildren taking into account local medical geographic conditions] Shuvchinskaia VV. **Ortop Travmatol Protez** 1981 Jun;(6):68–70 **(Rus)**

[Seasonal variations of birth rate of children with scoliosis] Shevchenko SD, et al. **Pediatriia** 1980 Dec;(12):34–5 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Idiopathic scoliosis, scheurmann's disease and myopathy: two case reports. Fitzsimons RB. **Clin Exp Neurol** 1979;16:303–7

The contribution of the intervertebral disk to the scoliotic deformity. Taylor TK, et al. **Clin Orthop** 1981 May; (156):79–90 (105 ref.)

Concentric laminated bodies [letter] Yarom R, et al. **Muscle Nerve** 1981 May–Jun;4(3):259–60

[Histopathological study on the intervertebral discs of idiopathic scoliosis (author's transl)] Nakamura T. **Nippon Seikeigeka Gakkai Zasshi** 1980 Jun;54(6):523–38 (Eng. Abstr.) **(Jpn)**

[Concomitant ganglioneuroma of the neck and scoliosis in a 7-year-old child] Tsvetkov EA, et al. **Vestn Otorinolaringol** 1981 Mar–Apr;(2):75–7 **(Rus)**

PHYSIOPATHOLOGY

Postural control in scoliosis. A statokinesimetric study in patients with scoliosis due to neuromuscular disorders and in patients with idiopathic scoliosis. Gregorič M, et al. **Acta Orthop Scand** 1981 Feb;52(1):59–63

Sleep breathing abnormalities in kyphoscoliosis. Mezon BL, et al. **Am Rev Respir Dis** 1980 Oct;122(4):617–21

One year's study of growth and total hydroxyproline excretion in scoliotic children. Clark S, et al. **Arch Dis Child** 1980 Jun;55(6):467–70

Regulation of the tidal volume and ventilatory responses to CO2 in normal man and in scoliosis. Kafer ER. **Bull Physiopathol Respir (Nancy)** 1981 Jan–Feb;17(1):1–13

Severe kyphoscoliosis, breathing, and sleep: the 'Quasimodo' syndrome during sleep. Guilleminault C, et al. **Chest** 1981 Jun;79(6):626–30

Stress relaxation in tendons of chickens with scoliosis. Cutler

AD, et al. **J Biomech** 1981;14(6):439–41

The effect of pregnancy on idiopathic scoliosis. Blount WP, et al. **J Bone Joint Surg [Am]** 1980 Oct;62(7):1083–7

Idiopathic scoliosis: long-term follow-up and prognosis in untreated patients. Weinstein SL, et al. **J Bone Joint Surg [Am]** 1981 Jun;63A(5):702–12

Kyphoscoliosis pulmonary function in 10 cases. Gehshan A, et al. **J Med Liban** 1980;31(3):59–68

Growth and maturation of adolescents with idiopathic scoliosis. Drummond DS, et al. **Spine** 1980 Nov–Dec; 5(6):507–11

An analysis of lateral predominance in adolescent idiopathic scoliosis with special reference to convexity of the curve. Sahlstrand T. **Spine** 1980 Nov–Dec;5(6):512–8

Cardiac and respiratory responses to exercise in adolescent idiopathic scoliosis. Shneerson JM. **Thorax** 1980 May; 35(5):347–50

[Idiopathic scoliosis as a neuro-vertebral growth phenomenon (author's transl)] Roth M. **Acta Chir Orthop Traumatol Cech** 1981 Apr;48(2):100–11 (Eng. Abstr.) **(Cze)**

[A study of scoliotic curve. The importance of extension and vertebral rotation (author's transl)] Perdriolle R, et al. **Rev Chir Orthop** 1981;67(1):25–34 (Eng. Abstr.) **(Fre)**

[The behaviour of the dorsal extensors (erector trunci) in a case of scoliosis where the convex erector trunci had been denervated by operation (author's transl)] Bayer H. **Z Orthop** 1980 Apr;118(2):274–8 (Eng. Abstr.) **(Ger)**

[Morphofunctional aspects of the pulmonary circulation in kyphoscoliosis; angiocardiopneumographic, scintigraphic and hemodynamic characteristics] Carratu' L, et al. **Torace** 1978 Dec;21(1–4):93–105 (Eng. Abstr.) **(Ita)**

[Post-exertion respiration in girls with idiopathic scoliosis] Kuczewski Z. **Chir Narzadow Ruchu Ortop Pol** 1980; 45(4):357–60 (Eng. Abstr.) **(Pol)**

[Torsion of the vertebral column, its characteristics and interrelationships with the lateral curvature in severe forms of scoliosis] Koval' DE. **Ortop Travmatol Protez** 1981 Feb; (2):29–33 (Eng. Abstr.) **(Rus)**

[Functional examination of the cardiorespiratory apparatus in scolioses (author's transl)] Steňo M, et al. **Acta Chir Orthop Traumatol Cech** 1980 Dec;47(6):521–6 (Eng. Abstr.) **(Slo)**

PREVENTION & CONTROL

Pilot study for a scoliosis screening project in South Dublin. Goldberg C, et al. **Ir Med J** 1980 Jul;73(7):265–8

A six-year report: spinal deformity screening in Kansas school children. Asher M, et al. **J Kans Med Soc** 1980 Dec;81(12):568–71

School screening for scoliosis [editorial] **Lancet** 1981 Aug 15;2(8242):345–6

School screening for scoliosis [letter] Warren M, et al. **Lancet** 1981 Sep 5;2(8245):522

[Scoliosis--an avoidable disease?] Rompe G. **Dtsch Med Wochenschr** 1980 Oct 10;105(41):1401–2 **(Ger)**

[Screening of scoliosis among school children and the role of orthopedic surgeons] Inoue S. **Nippon Seikeigeka Gakkai Zasshi** 1980 Jul;54(7):701–12 **(Jpn)**

PSYCHOLOGY

Preoperative personality characteristics as predictors of postoperative physical and psychological patterns in scoliosis. Clayson D, et al. **Spine** 1981 Jan–Feb;6(1):9–12

RADIOGRAPHY

The length and proportions of the thoracolumbar spine in children with idiopathic scoliosis. Skogland LB, et al. **Acta Orthop Scand** 1981;52(2):177–85

A critical appraisal of myelography at the Royal Children's Hospital, Brisbane, 1977–1979. Miller MN, et al. **Aust Paediatr J** 1981 Mar;17(1):15–9

A method for minimizing the radiation exposure from scoliosis radiographs. De Smet AA, et al. **J Bone Joint Surg [Am]** 1981 Jan;63A(1):156–61

A radiographic method for three-dimensional analysis of spinal configuration. De Smet AA, et al. **Radiology** 1980 Nov;137(2):343–8

Spondylo-epi-metaphyseal dysplasia with joint laxity and severe, progressive kyphoscoliosis. Beighton P, et al. **Skeletal Radiol** 1980;5(4):205–12

[A new method for measuring rotation of a vertebral scoliosis (author's transl)] Banzer D, et al. **ROEFO** 1980 Apr; 132(4):403–5 (Eng. Abstr.) **(Ger)**

[Tilting of vertebrae at the lower vertebral column rates according to importance (author's transl)] Bengert O. **Z Orthop** 1980 Oct;118(5):735–40 (Eng. Abstr.) **(Ger)**

[Modern standards in the radiological study of vertebral scoliosis and kyphosis (author's transl)] Agati G, et al. **Radiol Med (Torino)** 1980 Dec;66(12):897–910 (Eng. Abstr.) **(Ita)**

[Lower extremity length inequality and scoliosis. Clinical and radiological study (author's transl)] Manganiello A, et al. **Radiol Med (Torino)** 1980 Dec;66(12):911–4 (Eng. Abstr.) **(Ita)**

[Pneumomyelography in congenital scoliosis in children] Ul'rikh EV. **Ortop Travmatol Protez** 1981 Feb;(2):19–23 (Eng. Abstr.) **(Rus)**

[Shape, dimensions and topography of the gallbladder in scoliosis] Tsiv'ian IaL, et al. **Vrach Delo** 1980 Dec; (12):78–80 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Bone scanning of the spine and thorax in idiopathic thoracic scoliosis. Sevastikoglou JA, et al. **Clin Orthop** 1980 Jun; (149):172–6

REHABILITATION

The treatment of lumbar scoliosis with a three piece brace. Mariani G, et al. **Ital J Orthop Traumatol** 1980 Aug; 6(2):207–12

[Effect of short-term rehabilitation on posture and physical fitness of children with scoliosis] Zmudzka-Wilczek E, et al. **Chir Narzadow Ruchu Ortop Pol** 1980;45(5):473–7 (Eng. Abstr.) **(Pol)**

[Follow-up social examination of the living conditions of scoliosis patients] Stokov LD. **Ortop Travmatol Protez** 1981 Jun;(6):65–8 **(Rus)**

SURGERY

Arterial pressure manipulation alters spinal cord function during correction of scoliosis. Grundy BL, et al. **Anesthesiology** 1981 Mar;54(3):249–53

Adult scoliosis: a personal experience. Reeder JM. **AORN J** 1981 Jan;33(1):35–50

Electromyographic activity in paraspinal musculature in patients with idiopathic scoliosis before and after Harrington instrumentation. Donovan WH, et al. **Arch Phys Med Rehabil** 1980 Sep;61(9):413–7

Combined radionuclide phlebography and lung scanning in patients operated on for scoliosis with the Harrington procedure. Nillius A, et al. **Clin Orthop** 1980 Oct; (152):241–6

Hemodilution and induced hypotension for insertion of a Harrington rod in a Jehovah's Witness patient. Wong KC, et al. **Clin Orthop** 1980 Oct;(152):237–40

Recording of the somatosensory evoked potentials during surgery for scoliosis and midline myelotomy to monitor spinal cord function. Uematsu S, et al. **Electromyogr Clin Neurophysiol** 1981 Feb–Mar; 21(2–3):253–66

A case of severe scoliosis associated with cerebral palsy showing remarkable improvement following soft tissue release around the hip and axilla and transfer of m. tensor fasciae latae to the ribs. Terazawa K, et al. **Int Orthop** 1980;4(2):115–20

A new type of distractor for the surgical correction of scoliosis and spondylolisthesis. Manaresi C. **Ital J Orthop Traumatol** 1979 Dec;5(3):267–72

Spinal deformities in Marfan's syndrome. Savini R, et al. **Ital J Orthop Traumatol** 1980 Apr;6(1):19–40

Instrument for distraction by limited surgery in scoliosis treatment. Edeland HG, et al. **J Biomed Eng** 1981 Apr; 3(2):143–6

Bone overgrowth (hypertrophy) as a cause of late paraparesis after scoliosis fusion. A case report. Eismont FJ, et al. **J Bone Joint Surg [Am]** 1981 Jul;63A(6):1016–9

Clinical review of patients with broken Harrington rods. Erwin WD, et al. **J Bone Joint Surg [Am]** 1980 Dec; 62(8):1302–7

Surgical treatment of congenital scoliosis with or without Harrington instrumentation. Hall JE, et al. **J Bone Joint Surg [Am]** 1981 Apr;63A(4):608–19

Fracture-dislocation of the spine after spine fusion and Harrington instrumentation for idiopathic scoliosis. A case report. King HA, et al. **J Bone Joint Surg [Am]** 1980 Dec; 62(8):1374–6

Surgical treatment of scoliosis following poliomyelitis. A review of one hundred and ten cases. Leong JC, et al. **J Bone Joint Surg [Am]** 1981 Jun;63A(5):726–40

Surgical treatment of adult scoliosis. A review of two hundred and twenty-two cases. Swank S, et al. **J Bone Joint Surg [Am]** 1981 Feb;63A(2):268–87

Juvenile idiopathic scoliosis. Figueiredo UM, et al. **J Bone Joint Surg [Br]** 1981 Feb;63–B(1):61–6

Perspectives on surgery for scoliosis in mentally retarded patients. Rinsky LA. **Orthop Clin North Am** 1981 Jan; 12(1):113–26

Results in operated idiopathic scoliosis patients previously treated in the Milwaukee brace. Dickson JH, et al. **Tex Med** 1981 Aug;77(8):45–7

[Results of surgical treatment of scolioses (author's transl)] Steňo M, et al. **Acta Chir Orthop Traumatol Cech** 1980 Oct;47(5):385–92 (Eng. Abstr.) **(Cze)**

[Our indications of anterior approaches to the spine (author's transl)] Vlach O, et al. **Acta Chir Orthop Traumatol Cech** 1980 Dec;47(6):516–20 (Eng. Abstr.) **(Cze)**

[Surgical correction of the scoliotic curvature in our material (author's transl)] Vlach O, et al. **Acta Chir Orthop Traumatol Cech** 1981 Feb;48(1):55–8 (Eng. Abstr.) **(Cze)**

[Our experience with halo traction in the surgical treatment of scolioses (author's transl)] Vlach O, et al. **Acta Chir Orthop Traumatol Cech** 1981 Apr;48(2):122–6 (Eng. Abstr.) **(Cze)**

[Spinal cord complications in the surgery of spinal deviations. Apropos of 24 cases] Pouliquen JC, et al. **Chir Pediatr** 1980; 21(3):215–24 (Eng. Abstr.) **(Fre)**

[The evaluation of the Harrington technique in the treatment of double-curved scoliosis (author's transl)] Duhaime M, et al. **Rev Chir Orthop** 1981;67(2):99–105 (Eng. Abstr.) **(Fre)**

[An alloplastic scoliosis operation without postoperative use of a corset] Basilewskaja SW. **Beitr Orthop Traumatol** 1980 Nov;27(11):605–13 (Eng. Abstr.) **(Ger)**

[Supplementary equipment to Harrington's instrumentarium in scoliosis operations (author's transl)] Edelmann P. **Z Orthop** 1981 Jun;119(3):323 **(Ger)**

[Spinal traction syndrome] Harms J, et al. **Z Orthop** 1980 Apr;118(2):246–50 (Eng. Abstr.) **(Ger)**

[Observations on the ability to work surgically treated scoliosis patients during 1946–1966 (author's transl)] Matzen KA, et al. **Z Orthop** 1981 Jun;119(3):287–91 (Eng. Abstr.) **(Ger)**

[Intraoperative measurements of the oscillatory impedance in scoliotic patients (author's transl)] Spiss CK, et al. **Z Orthop** 1980 Oct;118(5):729–34 (Eng. Abstr.) **(Ger)**

[Pre- and post-operative evaluation of biologic parameters in patients with scoliosis (author's transl)] Surace A, et al. **Chir Ital** 1979 Aug;31 Suppl 1(4):115–23 (Eng. Abstr.) **(Ita)**

[Controlled hypotension with large doses of trimethaphan (Arfonad) in scoliosis surgery (author's transl)] Iijima K, et al. **Masui** 1980 Sep;29(9):928–35 (Eng. Abstr.) **(Jpn)**

[Transient static insufficiency of the lower limbs in adolescents operated on for lateral scoliosis] Skwarcz A. **Chir Narzadow Ruchu Ortop Pol** 1980;45(3):255–7 (Eng. Abstr.) **(Pol)**

[Immediate results of the distraction surgical treatment of scoliosis] Alborov GK, et al. **Ortop Travmatol Protez** 1981 Feb;(2):15–6 (Eng. Abstr.) **(Rus)**

[Diskotomy in the surgical treatment of scoliosis] Fishchenko VIa, et al. **Ortop Travmatol Protez** 1981 Feb;(2):5–8 (Eng. Abstr.) **(Rus)**

[Surgical treatment of progressive idiopathic scoliosis] Galdukov AA. **Ortop Travmatol Protez** 1981 Feb;(2):17–9 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of different treatment methods in scoliosis] Kaz'min AI, et al. **Ortop Travmatol Protez** 1981 Feb;(2):1–5 (Eng. Abstr.) **(Rus)**

[Corrective spinal operations using internal metallic constructions in treating the neurological complications of scoliosis] Tsiv'ian IaL, et al. **Ortop Travmatol Protez** 1981 Feb;(2):8–11 (Eng. Abstr.) **(Rus)**

[Surgical correction of scoliosis using distractors] Vinckurov VA. **Ortop Travmatol Protez** 1981 Feb;(2):11–4 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of different variants of transfusion tactics during spinal surgery in children with scoliosis] Korolenko OA, et al. **Vestn Khir** 1980 Nov;125(11):108–11 (Eng. Abstr.) **(Rus)**

THERAPY

Vascular compression of the duodenum (cast syndrome) associated with the treatment of spinal deformities. A report of six cases. Sapkas G, et al. **Arch Orthop Trauma Surg** 1981;98(1):7–11

Modern concepts of treatment of spinal deformities in children and adults. Moe JH. **Clin Orthop** 1980 Jul–Aug; (150):137–53

The virtue of early treatment of idiopathic scoliosis [editorial] Blount WP. **J Bone Joint Surg [Am]** 1981 Mar;63A(3):335–6

The changing pattern of scoliosis treatment due to effective screening. Torell G, et al. **J Bone Joint Surg [Am]** 1981 Mar;63A(3):337–41

Results of Milwaukee brace treatment in idiopathic scoliosis. Vesely DG, et al. **J Med Assoc State Ala** 1980 Jul;50(1):18, 20, 23–4

Modern concepts of scoliosis bracing. Fernand R, et al. **J Med Soc NJ** 1981 Jan;78(1):22–4

Cotrel traction for patients with scoliosis. Hancox V. **Physiotherapy** 1981 Mar 10;67(3):71–2

Gravitational traction in preparation for surgery. Majoch S. **Physiotherapy** 1981 Mar 10;67(3):72–3

Scoliosis. To refer or not to refer. Weierman RJ, et al. **Primary Care** 1980 Jun;7(2):287–95

Spinal bracing in the institutionalized person with scoliosis. McMaster WC, et al. **Spine** 1980 Sep–Oct;5(5):459–62

[Boston corset (author's transl)] Navrátil J, et al. **Acta Chir Orthop Traumatol Cech** 1980 Oct;47(5):399–402 (Eng. Abstr.) **(Cze)**

[Conservative treatment of scoliosis] Tomaschewski R. **Beitr Orthop Traumatol** 1980 Nov;27(11):597–605 (Eng. Abstr.) **(Ger)**

[Effectiveness studies of concomitant orthodontic treatment of scoliosis patients] Landmesser H. **Stomatol DDR** 1981; 31(1):26–32 (Eng. Abstr.) **(Ger)**

[Preoperative halo-gravity traction in scoliosis (author's transl)] Brinckmann P, et al. **Z Orthop** 1980;118(3):367–71 (Eng. Abstr.) **(Ger)**

VETERINARY

Plasma free hydroxyproline, growth, and sexual maturity in the scoliotic chicken. Lin HJ, et al. **Proc Soc Exp Biol Med** 1980 Nov;165(2):345–8

SCOPOLAMINE

Failure of intramuscularly administered lorazepam and scopolamine-morphine premedication to produce amnesic

effects to supplement conduction anaesthesia. Korttila K, et al. **Acta Anaesthesiol Scand** 1980 Aug;24(4):325–30

ADMINISTRATION & DOSAGE

Rectal premedication in children. Use of diazepam, morphine and hyoscine. Lindahl S, et al. **Anaesthesia** 1981 Apr; 36(4):376–9

Experimental motion sickness: efficacy of transdermal scopolamine plus ephedrine. Graybiel A, et al. **Aviat Space Environ Med** 1981 Jun;52(6):337–9

Transdermal scopolamine in the prevention of motion sickness at sea. Price NM, et al. **Clin Pharmacol Ther** 1981 Mar;29(3):414–9

Amitriptyline and scopolamine in an animal model of depression. Katz RJ, et al. **Neurosci Biobehav Rev** 1981 Summer;5(2):265–71

ADVERSE EFFECTS

An unusual presentation of fixed drug eruption. Kanwar AJ, et al. **Dermatologica** 1981;162(5):378–9

PHARMACODYNAMICS

Comparison of Glycopyrrolate, atropine and hyoscine in mixture with neostigmine for reversal of neuromuscular block following closed mitral valvotomy. Bali IM, et al. **Acta Anaesthesiol Scand** 1980 Aug;24(4):331–5

Differential reversal by scopolamine and THIP of the antistereotypic and cataleptic effects of neuroleptics. Arnt J, et al. **Eur J Pharmacol** 1981 Jan 5;69(1):107–11

Increased muscarinic receptor binding in rat forebrain after scopolamine. Majocha R, et al. **Eur J Pharmacol** 1980 Oct 17;67(2–3):327–8

Hyoscine-resistant peristalsis in guinea-pig ileum. Tonini M, et al. **Eur J Pharmacol** 1981 May 22;71(4):375–81

Evidence for an involvement of acetylcholine in self-stimulation of the prefrontal cortex in the rat. Mora F, et al. **Experientia** 1980 Oct 15;36(10):1180–1

Centrally-mediated hyperalgesia in mice produced by the antimuscarinic agents atropine and hyoscine. Ben-Sreti MM, et al. **J Pharm Pharmacol** 1981 Jun;33(6):390–1

The effects of scopolamine and ancillary analgesics upon the fetal heart rate recording. Ayromlooi J, et al. **J Reprod Med** 1980 Dec;25(6):323–6

Increases in skin resistance of white rats following scopolamine injection. Horsburgh RJ. **Pharmacol Biochem Behav** 1981 Jan;14(1):1–3

The effect of para-chlorophenylalanine and scopolamine on passive avoidance in chicks. Mattingly BA, et al. **Pharmacol Biochem Behav** 1981 May;14(5):669–76

Time dependent changes in anterograde scopolamine-induced amnesia in rats. Moss DE, et al. **Pharmacol Biochem Behav** 1981 Mar;14(3):321–3

Task-dependent development of tolerance to scopolamine. Rosic N, et al. **Pharmacol Biochem Behav** 1980 Aug; 13(2):183–6

Interaction among d-amphetamine, scopolamine and genotype in avoidance behavior of rats. Satinder KP. **Pharmacol Biochem Behav** 1981 Jan;14(1):121–4

Effects of scopolamine on radial maze performance in rats. Watts J, et al. **Physiol Behav** 1981 May;26(5):845–51

Muscarinic supersensitivity: a possible model for the sleep disturbance of primary depression? Gillin JC, et al. **Psychiatry Res** 1979 Jul;1(1):17–22

Scopolamine-induced muscarinic supersensitivity in normal man: changes in sleep. Sitaram N, et al. **Psychiatry Res** 1979 Jul;1(1):9–16

Qualitative analysis of scopolamine-induced amnesia. Caine ED, et al. **Psychopharmacology (Berlin)** 1981;74(1):74–80

Modification of novelty preferences in rats by current and prior treatment with scopolamine and methylscopolamine. Horsburgh RJ, et al. **Psychopharmacology (Berlin)** 1981; 73(4):388–90

Amphetamine-, scopolamine- and caffeine-induced locomotor activity following 6-hydroxydopamine lesions of the mesolimbic dopamine system. Joyce EM, et al. **Psychopharmacology (Berlin)** 1981;73(4):311–3

Spontaneous alternation of body turns and place: differential effects of amylobarbitone, scopolamine and septal lesions. McNaughton N, et al. **Psychopharmacology (Berlin)** 1980; 68(2):201–6

Effects of scopolamine, pilocarpine, and oxotremorine on the exploratory behavior of two psychogenetically selected lines of rats in a complex maze. Martin JR, et al. **Psychopharmacology (Berlin)** 1981;72(2):135–42

Behavioral and biochemical studies of the scopolamine-induced reversal of neuroleptic activity. Ondrusek MG, et al. **Psychopharmacology (Berlin)** 1981; 73(1):17–22

Bilateral skin conductance and the pupillary light-dark reflex: manipulation by chlorpromazine, haloperidol, scopolamine, and placebo. Patterson T, et al. **Psychopharmacology (Berlin)** 1981;73(1):63–9

Influence of benzodiazepine tranquilizers on scopolamine-induced locomotor stimulation in mice. Sansone M. **Psychopharmacology (Berlin)** 1980;71(3):243–5

[Effect of scopolamine on the memory of exploratory behavior in the mouse] Fassino S, et al. **Boll Soc Ital Biol Sper** 1979 Aug 15;55(15):1520–6 (Eng. Abstr.) **(Ita)**

POISONING

[Henbane as a narcotic substitute] Nagy L, et al. **Morphol Igazsagugyi Orv Sz** 1980 Oct;20(4):312 **(Hun)**

THERAPEUTIC USE

Scopolamine alone or combined with ephedrine in seasickness: a double-blind, placebo-controlled study. Laitinen LA, et al. **Aviat Space Environ Med** 1981 Jan; 52(1):6–10

[Scopolamine in cholinolytic treatment] Krzymiński S. **Psychiatr Pol** 1980 Nov-Dec;14(6):635–40 **(Pol)**

SCOPOLAMINE DERIVATIVES

ADMINISTRATION & DOSAGE

Oxitropium bromide (Ba 253), an advance in the field of anticholinergic bronchodilating treatments. Preliminary results. Minette A, et al. **Rev Inst Hyg Mines (Hasselt)** 1979;34(3):115–23

CHEMICAL SYNTHESIS

[Studies on the synthesis of anisodamine (author's transl)] Xie JX, et al. **Yao Hsueh Hsueh Pao** 1980 Jul;15(7):403–9 (Eng. Abstr.) **(Chi)**

METABOLISM

Muscarinic cholinergic receptors: autoradiographic localization of high and low affinity agonist binding sites. Wamsley JK, et al. **Brain Res** 1980 Oct 27;200(1):1–12

PHARMACODYNAMICS

Effects of timepidium bromide, hyoscine-N-butylbromide and atropine on the isolated guinea pig gallbladder and sphincter of Oddi. Takenaga H, et al. **Jpn J Pharmacol** 1980 Jun;30(3):317–23

[Increse in postradiation disorders of the vascular-tissue barriers in rabbits asd effected by 'aeron'] Arlaschenko NI. **Radiobiologiia** 1981 Mar-Apr;21(2):310–4 **(Rus)**

THERAPEUTIC USE

Childhood enuresis. II. Psychopathology, tricyclic concentration in plasma, and antienuretic effect. Rapoport JL, et al. **Arch Gen Psychiatry** 1980 Oct;37(10):1146–52

Oxytropium bromide in bronchial asthma: comparison of metered dose inhaler and powder inhalation of the anticholinergic bronchodilator oxytropium bromide in protection against acetylcholine and histamine provocation. Beumer HM, et al. **Int J Clin Pharmacol Ther Toxicol** 1981 Apr;19(4):168–70

[In treatment of acute pulmonary edema with anisodamine hydrochloride (654-2): report of 30 cases (author's transl)] Zhou YJ. **Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih** 1979;2(4):211–2 **(Chi)**

[Symposium: internal clinical use of hyoscine drugs (author's transl)] Yang GD. **Chung Hua Nei Ko Tsa Chih** 1980 Apr; 19(4):303–5 **(Chi)**

[Comparison of effectiveness of 4-methylumbelliferone and hyoscine-N-butylbromide in therapy following biliary tract surgery] Fischer D, et al. **Med Welt** 1980 Jun 6; 31(23):894–7 **(Ger)**

SCORBUTUS see **SCURVY**

SCORPION VENOMS

Three-dimensional structure of a protein from scorpion venom: a new structural class of neurotoxins. Fontecilla-Camps JC, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6496–500

ANALYSIS

Biochemical constituents of the venom of the South Indian scorpion Heterometrus scaber. Nair RB. **Indian J Exp Biol** 1980 Oct;18(10):1139–41

Chemical nature of toxic protein of venom of the South Indian scorpion Heterometrus scaber. Nair RB. **Indian J Exp Biol** 1980 Oct;18(10):1142–4

[Scorpionidae of the great Arabic Maghreb. IV. Fractionation of venom from Androctonus mauretanicus (Pocock, 1902) of Morocco] Louis J. **Arch Inst Pasteur Tunis** 1980 Sep;57(3):243–8 (Eng. Abstr.) **(Fre)**

[Scorpionidae of the great Arabic Maghreb. III. Constituents of the venom of Androctonus mauretanicus (Pocock, 1902) of Morocco] Louis J. **Arch Inst Pasteur Tunis** 1980 Sep; 57(3):231–41 (Eng. Abstr.) **(Fre)**

[Scorpionidae of the great Arabic Maghreb. V. A telson with three stings in Buthus occitanus Amoureux] Zarrouk K, et al. **Arch Inst Pasteur Tunis** 1980 Sep;57(3):249–56 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Immunological and biochemical studies on the formolised toxoid of red scorpion venom. Baride RM, et al. **Indian J Med Res** 1981 Jan;73:122–5

Scorpion venoms and neurotoxins: an immunological study. Delori P, et al. **Toxicon** 1981;19(3):393–407

[Study of Scorpionidae of the Great Arab Maghreb. II. Immunologic analysis of the venom of Androctonus mauretanicus (Pocock, 1902) of Morocco] Louis J, et al. **Arch Inst Pasteur Tunis** 1980 Mar-Jun;57(1–2):21–32 **(Fre)**

METABOLISM

Two types of scorpion neurotoxins characterized by their binding to two separate receptor sites on rat brain synaptosomes. Jover E, et al. **Biochem Biophys Res Commun** 1980 Aug 29;95(4):1607–14

Tetrodotoxin-insensitive sodium channels. Binding of polypeptide neurotoxins in primary cultures of rat muscle cells. Lawrence JC, et al. **J Biol Chem** 1981 Jun 25; 256(12):6223–9

Na+-channel-associated scorpion toxin receptor sites as probes for neuronal evolution in vivo and in vitro. Berwald-Netter Y, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):1245–9

[Kinetics of the reaction between scorpion toxin and the sodium channels of nodes of Ranvier] Mozhaeva GN, et al. **Neirofiziologiia** 1980;12(6):619–26 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

In vivo release of acetylcholine evoked by brachial plexus stimulation and tityustoxin. Abdul-Ghani AS, et al. **Biochem Pharmacol** 1980 Aug 15;29(16):2179–82

Further evidence for the involvement of Na+ channels in the release of adrenal catecholamine: the effect of scorpion venom and grayanotoxin I. Ito S, et al. **Br J Pharmacol** 1981 Jan;72(1):61–7

The effects of scorpion venom tityustoxin and ouabain on the release of acetylcholine from incubated slices of rat brain. Gomez MV. **Experientia** 1980 Aug 15;36(8):1007–8

Mechanism of scorpion toxin-induced enzyme secretion in rat pancreas. Gallagher S, et al. **Gastroenterology** 1981 May; 80(5 pt 1):970–3

Effect of sublethal dose of toxic protein isolated from venom of the scorpion Heterometrus scaber. Nair RB. **Indian J Exp Biol** 1981 Jan;19(1):103–4

Effect of scorpion (Heterometrus fulvipes) venom on succinate dehydrogenase activity of the cockroach Periplaneta americana. Reddy GR, et al. **Indian J Exp Biol** 1980 Aug;18(8):867–9

The effects of scorpion venom toxin on the release of amino acid neurotransmitters from cerebral cortex in vivo and in vitro. Coutinho-Netto J, et al. **J Neurochem** 1980 Sep; 35(3):558–65

The effect of scorpion venoms on the sodium currents of the squid giant axon. Gillespie JI, et al. **J Physiol (Lond)** 1980 Nov;308:479–99

Conditioned taste aversion elicited in anaesthetized rats by scorpion venom. Islam S. **Physiol Bohemoslov** 1980; 29(4):361–6

Comparative study of the action of purified scorpion toxin (tityustoxin) on the submandibular and parotid glands of the rat. Andrade SP, et al. **Toxicon** 1981;19(2):255–61

Factor(s) in the venom of scorpions toxic to Schistosoma mansoni (intestinal belharzia) cercariae. El-Asmar MF, et al. **Toxicon** 1980;18(5–6):711–5

Centruroides sculpturatus venom and platelet reactivity: possible role in scorpion venom-induced defibrination syndrome. Longenecker GL, et al. **Toxicon** 1981; 19(1):153–7

Inhibition of the angiotensin converting enzyme by venom of the scorpion Centruroides sculpturatus. Longenecker GL, et al. **Toxicon** 1980;18(5–6):667–70

[Biological basis for the effects of scorpion venom on the body] Orlov BN, et al. **Biol Nauki** 1981;(2):45–56 **(Rus)**

[Pharmacology of the venom from the scorpion, Buthus eupeus] Orlov BN, et al. **Farmakol Toksikol** 1980 Nov-Dec; 43(6):730–3 (Eng. Abstr.) **(Rus)**

[Kinetics of sodium current decay during normal axon membrane repolarization and in the presence of scorpion toxin] Mozhaeva GN, et al. **Neirofiziologiia** 1980; 12(5):541–9 (Eng. Abstr.) **(Rus)**

TOXICITY

Gastric secretion and ulceration induced in the rat by an extract from scorpion (B. quinquestriatus) telsons. Mohamed AH, et al. **Toxicon** 1980;18(5–6):619–24

Detoxification with glutaraldehyde of purified scorpion (Centruroides noxius Hoffmann) venom. Possani LD, et al. **Toxicon** 1981;19(2):323–9

SCORPIONS

Scorpion envenomation in Michigan: three cases of toxic encounters with poisonous stow-aways. Trestrail JH 3d. **Vet Hum Toxicol** 1981 Feb;23(1):8–11

[Study of ScorpIonidae of the Great Arab Maghreb. I. Bibliographic list] Huard M, et al. **Arch Inst Pasteur Tunis** 1980 Mar-Jun;57(1–2):1–19 (Eng. Abstr.) **(Fre)**

[Cardiovascular complications during accidental envenomation caused by scorpion stings: apropos of 90 cases] Guediche M, et al. **Tunis Med** 1979 Nov-Dec; 57(6):328–30 (Eng. Abstr.) **(Fre)**

METABOLISM

Oxygen binding properties of stripped (calcium ion and

magnesium ion free) hemocyanin from the scorpion Leirus quinquestriatus. Klarman A, et al. **Biochemistry** 1980 Nov 11;19(23):5176–80

PHYSIOLOGY

Neural factors in the regulation of oxygen consumption rhythm in the tissues of the scorpion, Heterometrus fulvipes (C. Koch). Uthaman M, et al. **Chronobiologia** 1980 Oct–Dec;7(4):533–7

Temperature regulation and prostaglandin E1 fever in scorpions. Cabanac M, et al. **J Physiol (Lond)** 1980 Jun; 303:365–70

ULTRASTRUCTURE

Giant neurons and associated synapses in the peripheral nervous system of whip spiders. Foelix RF, et al. **J Neurocytol** 1980 Aug;9(4):517–35

SCOTOMA

COMPLICATIONS

Double optic pit with wedge-shaped choroidal dystrophy. De Laey JJ, et al. **Int Ophthalmol** 1979 Jul;1(3):171–4

Optic nerve involvement in dysthyroidism. Trobe JD. **Ophthalmology (Rochester)** 1981 Jun;88(6):488–92

Peripheral nasal field defects in glaucoma. Werner EB, et al. **Ophthalmology (Rochester)** 1979 Oct;86(10):1875–8

DIAGNOSIS

Assessing field defects of the low-vision patient. Goodlaw EI. **Am J Optom Physiol Opt** 1981 Jun;58(6):486–91

Meningioma and the ophthalmologist: diagnostic pitfalls. Anderson D, et al. **Can J Ophthalmol** 1981 Jan;16(1):10–5

Location of early glaucomatous visual field defects. Nicholas SP, et al. **Can J Ophthalmol** 1980 Jul;15(3):131–3

Drusen of the optic disc and occipital transient pattern reversal responses. Brudet-Wickel CL, et al. **Doc Ophthalmol** 1981 Mar 20;50(2):243–8

Dynamic range and stray light. An estimate of the falsifying effects of stray light in perimetry. Fankhauser F, et al. **Doc Ophthalmol** 1980 Dec 15;50(1):143–67

Adaptive programs for analysis of the visual field by automatic perimetry—basic problems and solutions. Efforts oriented towards the realisation of the generalised spatially adaptive Octopus program SAPRO. Haeberlin H, et al. **Doc Ophthalmol** 1980 Dec 15;50(1):123–41

Idiopathic optic neuritis of childhood. Rush JA. **J Pediatr Ophthalmol Strabismus** 1981 May–Jun; 18(3):39–41

Binocularity in 10- to 12-year-old children with poor writing and reading ability. Kraus-Mackiw E, et al. **Metab Pediatr Ophthalmol** 1980;4(2):93–6

[Isolated unilateral circular scotoma. Apropos of a case] Carrica A, et al. **Bull Soc Ophtalmol Fr** 1980 Oct; 80(10):889–91 (Eng. Abstr.) **(Fre)**

[Value of studying angioscotomas in the chronic glaucomatous patient] Malbrel C. **Bull Soc Ophtalmol Fr** 1979 Aug–Sep;79(8–9):717–9 (Eng. Abstr.) **(Fre)**

[Analysis of paracentral scotomata with spatially adaptive computer methods] Häberlin H, et al. **Klin Monatsbl Augenheilkd** 1980 Apr;176(4):533–5 (Eng. Abstr.) **(Ger)**

[Subfrontal meningiomas and the Foster Kennedy syndrome (author's transl)] Dzikowski J, et al. **Klin Oczna** 1980 Aug; 82(8):415–7 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Significance of scintillating scotoma of late onset. Raymond LA, et al. **Surv Ophthalmol** 1980 Sep–Oct;25(2):107–13

PHYSIOPATHOLOGY

Static perimetry in the study of amblyopic scotomata. Aggarwal DP, et al. **Br J Ophthalmol** 1980 Sep;64(9):713–6

Spatial and temporal vision of macaques after central retinal lesions. Merigan WH, et al. **Invest Ophthalmol Vis Sci** 1981 Jul;21(1 Pt 1):17–26

[Disturbances of the pupil reflex associated with homonymous hemianopic paracentral scotoma (author's transl)] Reuther R, et al. **Arch Psychiatr Nervenkr** 1981; 229(3):259–66 (Eng. Abstr.) **(Ger)**

[Stereoscopic vision with central scotomata (author's transl)] Friedburg D. **Klin Monatsbl Augenheilkd** 1981 Feb; 178(2):85–8 (Eng. Abstr.) **(Ger)**

SCOTOPHOBIN see under **PEPTIDES**

SCRAPIE

[Kuru and scrapie as study models for Creutzfeldt-Jakob disease] Cathala F. **Bull Acad Natl Med (Paris)** 1980 Nov; 164(8):737–41 **(Fre)**

DIAGNOSIS

Scrapie. Kimberlin RH. **Br Vet J** 1981 Jan;137(1):105–12

ETIOLOGY

Brain tissue from persons dying of Creutzfeldt-Jakob disease causes scrapie-like encephalopathy in goats. Hadlow WJ, et al. **Ann Neurol** 1980 Dec;8(6):628–32

IMMUNOLOGY

Toward development of assays for scrapie-specific antibodies. Kasper KC, et al. **Adv Exp Med Biol** 1981; 134:401–13

Effect of vaccinia-activated macrophages on scrapie infection in hamsters. Marsh RF. **Adv Exp Med Biol** 1981; 134:359–63

Evidence for normal cell-mediated immunity in scrapie-infected mice. Kingsbury DT, et al. **Infect Immun** 1981 Jun;32(3):1176–80

Observation on the capping of spleen lymphocytes from scrapie infected mice after treatment with anti Ig. Vettermann W, et al. **Med Microbiol Immunol (Berl)** 1981; 169(2):75–81

METABOLISM

Hamster scrapie: evidence for alterations in serotonin metabolism. Rohwer RG, et al. **Adv Exp Med Biol** 1981; 134:375–84

MICROBIOLOGY

Use of the golden syrian hamster in the study of scrapie virus. Brown P, et al. **Adv Exp Med Biol** 1981;134:365–73

Determination of scrapie agent titer from incubation period measurements in hamsters. Prusiner SB, et al. **Adv Exp Med Biol** 1981;134:385–99

Molecular properties, partial purification, and assay by incubation period measurements of the hamster scrapie agent. Prusiner SB, et al. **Biochemistry** 1980 Oct 14; 19(21):4883–91

Requirement of a protein component for scrapie infectivity. Cho HJ. **Intervirology** 1980;14(3–4):213–6

Pathogenesis of mouse scrapie: evidence for neural spread of infection to the CNS. Kimberlin RH, et al. **J Gen Virol** 1980 Nov;51(Pt 1):183–7

Attempts to establish cell cultures infected with the viruses of subacute spongiform encephalopathies. Yanagihara RT, et al. **Proc Soc Exp Biol Med** 1980 Nov;165(2):298–305

PATHOLOGY

Abnormal fibrils from scrapie-infected brain. Merz PA, et al. **Acta Neuropathol (Berl)** 1981;54(1):63–74

Ultrastructural cytochemical studies of cerebral microvasculature in scrapie infected mice. Vorbrodt AW, et al. **Acta Neuropathol (Berl)** 1981;53(3):203–11

Increased concanavalin A capping in cells from brains of scrapie-infected hamsters. Rutter G, et al. **Arch Virol** 1981; 68(2):129–33

Scrapie-associated particles in postsynaptic processes. Further ultrastructural studies. Baringer JR, et al. **J Neuropathol Exp Neurol** 1981 May;40(3):281–8

Progressive retinal degeneration in scrapie-infected hamsters: a light and electron microscopic analysis. Hogan RN, et al. **Lab Invest** 1981 Jan;44(1):34–42

PHYSIOPATHOLOGY

[Experimental pathology of subacute spongiform encephalopathies] Court L. **Bull Acad Natl Med (Paris)** 1980 Nov;164(8):742–5 **(Fre)**

TRANSMISSION

Oral transmission of kuru, Creutzfeldt-Jakob disease, and scrapie to nonhuman primates. Gibbs CJ Jr, et al. **J Infect Dis** 1980 Aug;142(2):205–8

SCRAPIE VIRUS

Apomorphine-induced circling behaviour in hamsters following unilateral injection of scrapie gent in the striatum. Gorde JM, et al. **Neurosci Lett** 1981 Mar 10;22(2):201–4

ANALYSIS

Requirement of a protein component for scrapie infectivity. Cho HJ. **Intervirology** 1980;14(3–4):213–6

Experimental scrapie in the mouse: electrophoretic and sedimentation properties of the partially purified agent. Prusiner SB, et al. **J Neurochem** 1980 Sep;35(3):574–82

GROWTH & DEVELOPMENT

Pathogenesis of mouse scrapie: evidence for neural spread of infection to the CNS. Kimberlin RH, et al. **J Gen Virol** 1980 Nov;51(Pt 1):183–7

ISOLATION & PURIFICATION

Molecular properties, partial purification, and assay by incubation period measurements of the hamster scrapie agent. Prusiner SB, et al. **Biochemistry** 1980 Oct 14; 19(21):4883–91

Gel electrophoresis and glass permeation chromatography of the hamster scrapie agent after enzymatic digestion and detergent extraction. Prusiner SB, et al. **Biochemistry** 1980 Oct 14;19(21):4892–8

SCREW WORM INFECTION see under **MYIASIS**

SCROTUM

Scrotal palpation. Zornow DH, et al. **Am Fam Physician** 1981 Jan;23(1):150–4

Scrotal emphysema. Sharma TC, et al. **Am Surg** 1980 Nov; 46(11):652–3

Scrotal cystocele. Wood M. **Ariz Med** 1981 Jul;38(7):528–30

A case of Fournier's gangrene. Bruce M. **Aust NZ J Surg** 1980 Dec;50(6):622–3

Lesions caused by Corynebacterium pseudotuberculosis in the scrotum of rams. Williamson P, et al. **Aust Vet J** 1980 Oct;56(10):496–8

Limitations of the Doppler flow meter in the diagnosis of the 'acute scrotum' in boys. Brereton RJ. **Br J Urol** 1981 Aug;53(4):380–3

Fibrous mesotheliomas (pseudofibroma) of the scrotal sac: a light and ultrastructural study. Benisch B, et al. **Cancer** 1981 Feb 15;47(4):731–5

Angiosarcoma developing in a patient with Neurofibromatosis (von Recklinghausen's disease). Millstein DI, et al. **Cancer** 1981 Mar 1;47(5):950–4

Reticulate pigmented anomaly. Schwartz RA, et al. **Cutis** 1980 Oct;26(4):380–1

Contact scrotal thermography. II. Use in the infertile male. Lewis RW, et al. **Fertil Steril** 1980 Sep;34(3):259–63

Pneumoscrotum complicating percutaneous liver biopsy. Engelhard D, et al. **Gastroenterology** 1981 Feb;80(2):390–2

Idiopathic calcinosis of the scrotum. Moss RL, et al. **Int J Dermatol** 1981 Mar;20(2):134–6

Morphological study of testicular descent in the rabbit. Rajfer J. **Invest Urol** 1981 Jan;18(4):293–5

Malfunctioning ventriculoperitoneal shunt due to extrusion of the abdominal catheter into the scrotum. Villarejo FJ, et al. **J Neurosurg Sci** 1980 Jul–Dec;24(3–4):187–9

Intrascrotal Wilms' tumor developing in a heterotopic renal anlage of probable mesonephric origin. Orlowski JP, et al. **J Pediatr Surg** 1980 Oct;15(5):679–82

Abdominoscrotal hydrocele. Case presentation and review of the literature. Saharia PC, et al. **J Pediatr Surg** 1979 Dec;14(6):713–4

Scrotal cancer in a pitch worker. Jarvis H. **J Soc Occup Med** 1980 Apr;30(2):61–2

Scrotal explorations negative for malignancy. Altaffer LF 3d, et al. **J Urol** 1980 Nov;124(5):617–9

Leakage of lymph through scrotal skin. Lim ST, et al. **J Urol** 1981 Jun;125(6):889–90

Fibrous pseudotumor of the scrotum. Sarlis I, et al. **J Urol** 1980 Nov;124(5):742–3

Acute scrotal swelling: a physical sign of primary peritonitis. Udall DA, et al. **J Urol** 1981 May;125(5):750–1

Hematocele of the spermatic cord. Miyoshi N, et al. **Kurume Med J** 1980;27(2):93–5

Paratesticular accessory spleen. Wick MR, et al. **Mayo Clin Proc** 1981 Jul;56(7):455–6

Massive hemorrhage to scrotum from laceration of inferior epigastric artery following percutaneous femoral vein catheterization: case report. Sung JP, et al. **Milit Med** 1981 May;146(5):362–3

Paratesticular mass as a presenting sign of sarcoidosis. Schaeffer J, et al. **Pediatrics** 1980 Sep;66(3):462–3

Pain in the scrotal area. Bensimon H. **Postgrad Med** 1981 May;69(5):119–20

Bladder in the scrotum: a radiological and surgical pitfall. Reis P, et al. **S Afr J Surg** 1979 Jun;17(2):85–8

Ultrasonic evaluation of the scrotum. Phillips GN, et al. **Urol Radiol** 1979–80;1(3):157–63

Spindle cell sarcoma of scrotum. Asaadi M, et al. **Urology** 1980 Nov;16(5):525–6

Pneumoscrotum after colonoscopy. Fishman EK, et al. **Urology** 1981 Aug;18(2):171–2

Acute scrotal pain and swelling in children: a surgical emergency. Flanigan RC, et al. **Urology** 1981 Jan;17(1):51–3

Basal cell carcinoma of scrotum. Grossman HB, et al. **Urology** 1981 Mar;17(3):241–2

Paratesticular rhabdomyosarcoma in an adult. Kaneti J, et al. **Urology** 1980 Dec;16(6):614–6

Automated water-path ultrasonic examination of scrotum. Wilson PC, et al. **Urology** 1981 Jul;18(1):94–9

Acute scrotal pathology in boys. Brereton RJ, et al. **Z Kinderchir Grenzgeb** 1980 Apr;29(4):343–7

[Application of thermography to scrotal studies] Pontus T, et al. **Acta Urol Belg** 1980 Jul;48(3):435–41 (Eng. Abstr.) **(Fre)**

[Acute idiopathic scrotal edema in young boy. A report of 16 cases (author's transl)] Valla JS, et al. **J Chir (Paris)** 1981 Feb;118(2):101–3 (Eng. Abstr.) **(Fre)**

[Urologic emergencies in general practice. Part 6: The acute scrotum] Rothenberger K, et al. **Fortschr Med** 1981 Jul 23;99(27–28):1075–6 **(Ger)**

[Hemangioma of scrotum (author's transl)] Lent V, et al. **Urologe [Ausg A]** 1980;19(5):276–7 (Eng. Abstr.) **(Ger)**

[Idiopathic nodular calcinosis of the scrotum (author's transl)] Morant R, et al. **Urologe [Ausg A]** 1980;19(5):289–91 (Eng. Abstr.) **(Ger)**

[The acute scrotum (author's transl)] Rathert P. **Urologe [Ausg A]** 1980;19(5):256–9 (Eng. Abstr.) **(Ger)**

[Doppler sonography in the differential diagnosis of scrotal lesions (author's transl)] Seppelt U. **Urologe [Ausg A]** 1980; 19(5):260–2 (Eng. Abstr.) **(Ger)**

[Uremia caused by giant scrotal hernia and bladder herniation (author's transl)] Truss F, et al. **Urologe [Ausg A]** 1981 May; 20(3):159–61 (Eng. Abstr.) **(Ger)**

[Scrotal tumors--a case contribution] Leisering W, et al. **Z Urol Nephrol** 1981 Mar;74(3):195–8 (Eng. Abstr.) **(Ger)**

[Idiopathic scrotal edema] Moriel EZ, et al. **Harefuah** 1980 Jul;99(1–2):16–8 (Eng. Abstr.) **(Heb)**

[Gas gangrene of the scrotum (Fournier's disease)] Arbuzov VN, et al. **Vestn Khir** 1980 Jul;125(7):67–8 **(Rus)**

[Acute scrotum] Nikolić M. **Med Arh** 1980;34(2):107–10 (Eng. Abstr.) **(Scr)**

[Thermography and varicocele] Páramo PG, et al. **Actas Urol Esp** 1981 Jan–Feb;5(1):43–50 (Eng. Abstr.) **(Spa)**

ABNORMALITIES

Prepenile Scrotum. Report of Two cases with review of literature. Páramo PG, et al. **Eur Urol** 1981;7(4):246–51

Accessory scrotum [letter] Gupta AK. **Plast Reconstr Surg** 1981 Jul;68(1):122

Accessory scrotum. Hata Y. **Plast Reconstr Surg** 1980 Oct; 66(4):613–6

[Transposition of penis and scrotom (author's transl)] Mellin HE, et al. **Urologe [Ausg A]** 1980 Nov;19(6):376–8 (Eng. Abstr.) **(Ger)**

ANALYSIS

Androgen concentrations in sexual and non-sexual skin as well as in striated muscle in man. Deslypere JP, et al. **J Steroid Biochem** 1980 Dec;13(12):1455–8

ANATOMY & HISTOLOGY

Association between scrotal circumference, live weight and sperm output in cattle. Carter AP, et al. **J Reprod Fertil** 1980 Jul;59(2):447–51

BLOOD SUPPLY

The pathogenesis of left-side varicocele in children. Erokhin AP, et al. **Chir Pediatr** 1980;21(6):391–2

INJURIES

A case of malacoplakia of the epididymis associated with trauma. McClure J. **J Urol** 1980 Dec;124(6):934–5

A further indication for incision of the external inguinal ring. Costas S, et al. **S Afr J Surg** 1979 Jun;17(2):93–4

INNERVATION

Neuronal responses in the rat's thalamus to scrotal heating. Schingnitz G. **Exp Brain Res** 1981;43(3–4):419–21

PATHOLOGY

Scrotal lipomatosis. Shafik A, et al. **Br J Urol** 1981 Feb; 53(1):50–4

Idiopathic calcinosis of the scrotum. Malhotra R, et al. **Cutis** 1981 Apr;27(4):396–8

Fournier's gangrene in a 6 weeks old child. Rao PL, et al. **Indian Pediatr** 1980 Mar;17(3):303–4

Spontaneous gangrene of the scrotum and penis (Fournier's gangrene). Sonoda A, et al. **J Dermatol (Tokyo)** 1980 Oct; 7(5):371–5

Fournier's gangrene. Mishra LK, et al. **J Indian Med Assoc** 1980 Jul;75(1):2–4

Anal gland adenocarcinoma presenting as painless scrotal swelling in a 73-year-old man: a case report. Honoré LH. **J Surg Oncol** 1980;15(3):201–7

Fat necrosis of the scrotum [letter] Levine SP. **J Urol** 1980 Oct;124(4):578

[Case of an anerobic gas infection of the perineum and scrotum] Dimitrov D, et al. **Khirurgiia (Sofiia)** 1980; 33(6):539–40 **(Bul)**

[Fournier's syndrome] Camacho M, et al. **Actas Urol Esp** 1980 Sep–Oct;4(5):261–8 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

The influence of elevated testicular temperature and scrotal surgery on the number of gonocytes in the newborn pig. Frankenhuis MT, et al. **Int J Androl** 1981 Feb;4(1):105–10

RADIONUCLIDE IMAGING

Gallium-67 imaging in acute epididymo-orchitis. Farrer PA. **Clin Nucl Med** 1980 Sep;5(9):417–8

Scrotal scan in the diagnosis of varicocele. Nahoum CR, et al. **Fertil Steril** 1980 Sep;34(3):287–8

Scrotal imaging in the Henoch-Schönlein syndrome. Stein BS, et al. **J Urol** 1980 Oct;124(4):568–9

Clinical applications of testicular radionuclide angiography and scrotal scanning. Holder LE, et al. **JAMA** 1981 Jun 26;245(24):2526–9

Detection of varicocele by radionuclide blood-pool scanning. Freund J, et al. **Radiology** 1980 Oct;137(1 Pt 1):227–30

SURGERY

'Hiawatha' scrotal reconstruction. Mandel MA. **Ann Plast Surg** 1980 Mar;4(3):238–42

Lipectomy in the treatment of scrotal lipomatosis. Shafik A, et al. **Br J Urol** 1981 Feb;53(1):55–61

A new surgical technique for lymphedema of the penis and scrotum. Feins NR. **J Pediatr Surg** 1980 Dec;15(6):787–9

One-stage reconstruction of the scrotum following Fournier's syndrome using a probable arterial flap. Hirshowitz B, et al. **Plast Reconstr Surg** 1980 Oct; 66(4):608–12

Reconstruction of the scrotum by thigh flaps. Tiwari IN, et al. **Plast Reconstr Surg** 1980 Oct;66(4):605–7

Fournier's idiopathic penoscrotal gangrene. Chakravorty RC. **Va Med** 1981 Mar;108(3):188–9

[Surgical treatment of huge elephantiasis of scrotum (author's transl)] Zhou ZY. **Chung Hua Wai Ko Tsa Chih** 1980; 18(4):358–60 **(Chi)**

[The surgery of low seminal obstruction. A study of 110 consecutive cases (authors' transl)] Adjiman M. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(5):575–8 (Eng. Abstr.) **(Fre)**

ULTRASTRUCTURE

Ultrastructural and histochemical identification of sclerosing liposarcoma. Lazarus SS, et al. **Histopathology** 1981 Mar; 5(2):223–35

SCRUB TYPHUS

DRUG THERAPY

[Clinical studies on dry filled doxycycline for intravenous administration; including one case of tsutsugamushi disease (author's transl)] Kanazawa Y. **Jpn J Antibiot** 1980 Nov; 33(11):1223–31 (Eng. Abstr.) **(Jpn)**

FAMILIAL & GENETIC

Host defenses in experimental scrub typhus: mapping the gene that controls natural resistance in mice. Groves MG, et al. **J Immunol** 1980 Sep;125(3):1395–9

IMMUNOLOGY

Host defenses in experimental scrub typhus: inflammatory response of congenic C3H mice differing at the Ric gene. Jerrells TR, et al. **Infect Immun** 1981 Mar;31(3):1014–22

Macrophages in resistance to rickettsial infections: early host defense mechanisms in experimental scrub typhus. Nacy CA, et al. **Infect Immun** 1981 Mar;31(3):1239–50

Clinical and immunologic responses of silvered leaf monkeys (Presbytis cristatus) to experimental reinfection with Rickettsia tsutsugamushi. Robinson DM, et al. **J Infect Dis** 1981 Apr;143(4):558–61

OCCURRENCE

Scrub typhus in the Eastern Solomon Islands and Northern Vanuatu (New Hebrides). Miles JA, et al. **Am J Trop Med Hyg** 1981 Jul;30(4):849–54

Studies on inapparent infection of tsutsugamuschi disease in Izu Shichito Islands: seroepidemiology and demonstration of an avirulent Rickettsia strain for mice. Kawamura A Jr, et al. **Jpn J Exp Med** 1980 Apr;50(2):91–105

[Epidemiologic survey of Tsutsugamushi disease: analysis of 46 cases (author's transl)] Li G. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1980;14(1):43–5 **(Chi)**

[Tsutsugamushi disease in the foothills of Mt. Fuji (author's transl)] Murata M, et al. **Kansenshogaku Zasshi** 1980 Jun; 54(6):291–8 (Eng. Abstr.) **(Jpn)**

[Observations on the new type tsutsugamushi disease in Akita Prefecture (author's transl)] Suzuki T, et al. **Kansenshogaku Zasshi** 1980 Dec;54(12):755–65 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

Prevention of scrub typhus. Prophylactic administration of doxycycline in a randomized double blind trial. Olson JG, et al. **Am J Trop Med Hyg** 1980 Sep;29(5):989–97

TRANSMISSION

Scrub typhus survey of Biak and Owi islands: ectoparasites of small mammals and rickettsial isolations. Hadi TR, et al. **Southeast Asian J Trop Med Public Health** 1980 Jun; 11(2):220–6

VETERINARY

Murine rickettsiosis along the western ghats of Maharashtra State, India. Padbidri VS, et al. **Indian J Med Res** 1980 May;71:721–4

SCULPTURE see under **ART**

SCURVY

COMPLICATIONS

Epiphyseometaphyseal cupping of the distal femoral epiphysis following scurvy in infancy. Hallel T, et al. **Clin Orthop** 1980 Nov–Dec;(153):166–8

Permeability of gingival sulcular epithelium in the development of scorbutic gingivitis. Alvares O, et al. **J Oral Pathol** 1981 Feb;10(1):40–8

DIAGNOSIS

Scurvy in 1980 [letter] Leung FW, et al. **South Med J** 1981 Jan;74(1):89

DRUG THERAPY

The antiscorbutic action of L-ascorbic acid and D-isoascorbic acid (erythorbic acid) in the guinea pig. Goldman HM, et al. **Am J Clin Nutr** 1981 Jan;34(1):24–33

ETIOLOGY

Scurvy and altered iron stores in thalassemia major. Cohen A, et al. **N Engl J Med** 1981 Jan 15;304(3):158–60

HISTORY

The search for the specific factor in scurvy. Dickman SR. **Perspect Biol Med** 1981 Spring;24(3):382–95

[The 'cruel and ugly disease' 'The Lusiads'] Reis CS. **An Inst Hig Med Trop (Lisb)** 1977–1978;5(1–4):127–69 **(Por)**

METABOLISM

[Acute scurvy in guinea-pigs. Effect on ceruloplasmin and cytochrome P 450 and b5 levels (author's transl)] Kábrt J, et al. **Cas Lek Cesk** 1981 Feb 26;120(8):211–4 (Eng. Abstr.) **(Cze)**

[Ascorbic acid concentration in the pituitary of the guinea pigs--effect of acute scurvy (author's transl)] Kábrt J, et al. **Sb Lek** 1981 May;83(5):135–40 (Eng. Abstr.) **(Cze)**

PATHOLOGY

[Part of ascorbic acid in the maintenance of the blood capillary wall. New data (author's transl)] Gazave JM, et al. **J Mal Vasc** 1980;5(1):67–71 (Eng. Abstr.) **(Fre)**

RADIOGRAPHY

Radiographic findings resembling scurvy and rickets in prematures on hyperalimentation. Siegle RL, et al. **Mt Sinai J Med (NY)** 1981 May–Jun;48(3):241–5

SD ANTIGENS see **HISTOCOMPATIBILITY ANTIGENS**

SD ANTIGENS, HUMAN see **HL-A ANTIGENS**

SEA ANEMONES see under **COELENTERATA**

SEA CUCUMBERS see under **ECHINODERMATA**

SEA SNAKE VENOMS see **HYDROPHID VENOMS**

SEA URCHINS

High molecular weight RNA containing histone messenger in the sea urchin Paracentrotus lividus. Spinelli G, et al. **J Mol Biol** 1980 May 15;139(2):111–22

Action of an extract from the sea urchin Toxopneustes pileolus on isolated smooth muscle. Kimura A, et al. **Toxicon** 1980;18(5–6):689–93

[Synovitis caused by stings. Apropos of a case associating synovitis caused by sea urchin stings and pasteurellosis] Daupleix D, et al. **Rev Rhum Mal Osteoartic** 1981 Apr; 48(4):367–70 **(Fre)**

ANALYSIS

Relationship between basic proteins associated to DNA and replication during early development of Echinoderms. Imschenetzki M, et al. **Arch Biol Med Exp (Santiago)** 1979 OCT;12(3):433–8

Limited complexity of the RNA in micromeres of sixteen-cell sea urchin embryos. Ernst SG, et al. **Dev Biol** 1980 Sep; 79(1):119–27

Immunochemical study of gangliosides at the cell surface of sea urchin embryos. Mikhailov AT, et al. **Differentiation** 1981;18(1):43–50

The primary structure of histone H2A from the sperm cell of the sea urchin Parechinus angulosus. Strickland WN, et al. **Eur J Biochem** 1980 Aug;109(1):151–8

Purification and characterization of calmodulin from sea urchin spermatozoa. Garbers DL, et al. **J Reprod Fertil** 1980 Jul;59(2):377–81

[Isolation and characteristics of the 8--10S poly(A)-containing mRNA fraction from mid-blastula stage Stronglyocentrotus intermedius sea urchin embryos] Sova VV, et al. **Mol Biol (Mosk)** 1980 Nov–Dec; 14(6):1243–52 (Eng. Abstr.) **(Rus)**

CYTOLOGY

Phagocytes in the axial complex of the sea urchin, Sphaerechinus granularis (Lam.). Fine structure and x-ray microanalysis. Bachmann S, et al. **Cell Tissue Res** 1980; 213(1):109–20

Histone analysis during the first cell cycle of development of the sea urchin Tetrapygus niger. Imschenetzky M, et al. **Differentiation** 1980;17(2):111–5

The jelly canal marker of polarity for sea urchin oocytes, eggs, and embryos. Schroeder TE. **Exp Cell Res** 1980 Aug; 128(2):490–4

EMBRYOLOGY

Histone variants and chromatin structure during sea urchin development. Arceci RJ, et al. **Dev Biol** 1980 Nov; 80(1):186–209

Chromatin proteins of sea urchin embryos: dual origin from

an oogenetic reservoir and new synthesis. Kuhn O, et al. **Dev Biol** 1981 Jul 30;85(2):416–24

Effects of pronase on the development of reversed symmetry and duplications in the sea urchin, Arbacia punctulata. Marcus NH. **Dev Biol** 1981 Apr 30;83(2):387–90

The rate of synthesis of histone mRNA during the development of sea urchin embryos (Strongylocentrotus purpuratus). Maxson RE Jr, et al. **Dev Biol** 1981 Apr 30; 83(2):380–6

Change in expression of the actin gene family during early sea urchin development. Merlino GT, et al. **Dev Biol** 1981 Jul 30;85(2):505–8

Synthesis of heat-shock proteins in developing sea urchins. Roccheri MC, et al. **Dev Biol** 1981 Apr 15;83(1):173–7

Prolyl hydroxylase activity during sea urchin development. Benson SC, et al. **Exp Cell Res** 1980 Dec;130(2):467–70

Phosphorylation of cleavage stage histone H1 in mitotic and prematurely condensed chromosomes. Krystal GW, et al. **Exp Cell Res** 1981 Jul;134(1):41–8

Selective compounds derived from marine organisms: effects on cell division in fertilized sea urchin eggs. Jacobs RS, et al. **Fed Proc** 1981 Jan;40(1):26–9

Dynein-like Mg2+-ATPase in mitotic spindles isolated from sea urchin embryos (Strongylocentrotus droebachiensis). Pratt MM, et al. **J Cell Biol** 1980 Sep;86(3):738–45

Fibronectin in the developing sea urchin embryo. Spiegel E, et al. **J Cell Biol** 1980 Oct;87(1):309–13

Abnormalities in the development of the American sea urchin induced by nalidixic acid. Czinn SJ, et al. **Mutat Res** 1981 Mar;91(2):119–21

Delayed recruitment of maternal histone H3 mRNA in sea urchin embryos. Wells DE, et al. **Nature** 1981 Jul 30; 292(5822):477–8

Alterations in chromatin structure during early sea urchin embryogenesis. Savić A, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3706–10

Developmental shifts in frequency distribution of polysomal mRNA and their posttranscriptional regulation in the sea urchin embryo. Shepherd GW, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4653–6

ENZYMOLOGY

[DNA-polymerase from sea urchin (Strongylocentrotus intermedius. Embryos] Terent'ev LL, et al. **Biokhimiia** 1980 Sep;45(9):1603–8 (Eng. Abstr.) **(Rus)**

[Mechanism of ATP-dependent DNAse purified from sea urchin Strongylocentrotus intermedius embryos] Gafurob IuM, et al. **Mol Biol (Mosk)** 1980;14(1):76–85 (Eng. Abstr.) **(Rus)**

[Rapid method for the determination of choline kinase activity. Choline kinase in marine invertebrates] Latushev MA. **Ukr Biokhim Zh** 1980 Nov-Dec;52(6):778–82 (Eng. Abstr.) **(Rus)**

GENETICS

Accumulation of histone repeat transcripts in the sea urchin egg pronucleus. Venezky DL, et al. **Cell** 1981 May; 24(2):385–91

Base distribution in the coding and noncoding regions in the rDNA of Lytechinus variegatus. Blin N, et al. **Gene** 1980 Jun;10(1):75–8

Cloning and organization of genes for 5S ribosomal RNA in the sea urchin. Lytechinus variegatus. Lu AL, et al. **Gene** 1981 Jun-Jul;14(1-2):51–62

Repetitive sequences of the sea urchin genome. Distribution of members of specific repetitive families. Anderson DM, et al. **J Mol Biol** 1981 Jan 5;145(1):5–28

Evolution of sea urchin non-repetitive DNA. Hall TJ, et al. **J Mol Evol** 1980 Dec;16(2):95–110

Message sequences and short repetitive sequences are interspersed in sea urchin egg poly(A)+ RNAs. Costantini FD, et al. **Nature** 1980 Sep 11;287(5778):111–7

Transcriptional fidelity of histone genes injected into Xenopus oocyte nuclei. Hentschel C, et al. **Nature** 1980 Nov 6;288(5786):100–2

Ubiquitous and gene-specific regulatory 5' sequences in a sea urchin histone DNA clone coding for histone protein variants. Busslinger M, et al. **Nucleic Acids Res** 1980 Mar 11;8(5):957–77

The chromosomal arrangement of two linked actin genes in the sea urchin S. purpuratus. Schuler MA, et al. **Nucleic Acids Res** 1981 Feb 11;9(3):591–604

Nucleosomal structure of sea urchin and starfish sperm chromatin. Histone H2B is possibly involved in determining the length of linker DNA. Zalenskaya IA, et al. **Nucleic Acids Res** 1981 Feb 11;9(3):473–87

Organization of actin gene sequences in the sea urchin: molecular cloning of an intron-containing DNA sequence coding for a cytoplasmic actin. Durica DS, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):5683–7

Four sizes of transcript produced by a single sea urchin gene expressed in early embryos. Lee AS, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3259–63

Two classes of single-stranded regions in DNA from sea urchin embryos. Wortzman MS, et al. **Science** 1981 Feb 6;211(4482):588–90

[Preliminary evidence for a gene duplication in the evolution of the class Echinoidea] Lessios HA. **Rev Med Panama** 1981 Jan;6(1):46–55 (Eng. Abstr.) **(Spa)**

GROWTH & DEVELOPMENT

Relation of intracellular pH and pronuclear development in the sea urchin, Arbacia punctulata. A fine structural analysis. Carron CP, et al. **Dev Biol** 1980 Oct;79(2):478–87

Scanning electron microscopical study of the inside of sea urchin embryos (Pseudocentotus depressus). Effects of Aryl beta-xyloside, tunicamycin and deprivation of sulfate tions. Akasaka K, et al. **Exp Cell Res** 1980 Sep;129(1):1–13

IMMUNOLOGY

Endocytosis by echinoid phagocytosis in vitro. I. Recognition of foreign matter. Bertheussen K. **Dev Comp Immunol** 1981 Spring;5(2):241–50

Sex-specific agglutination of fish red blood cells by sea urchin coelomic fluid. Smith AC. **Dev Comp Immunol** 1981 Spring;5(2):357–60

METABOLISM

A potential DNA replication complex isolated from sea urchin embryos by renografin gradient centrifugation. Crabb WD, et al. **Biochim Biophys Acta** 1980 Oct 17; 609(3):456–63

A hydrogen peroxide block to polyspermy in the sea urchin Arbacia punctulata. Coburn M, et al. **Dev Biol** 1981 May; 84(1):235–8

Protein synthesis, polyribosomes, and peptide elongation in early development of Strongylocentrotus purpuratus. Goustin AS, et al. **Dev Biol** 1981 Feb;82(1):32–40

The disposition of p-nitroanisole by the sea urchin, Strongylocentrotus purpuratus. II. Biotransformation and bioconcentration. Landrum PF, et al. **Ecotoxicol Environ Safety** 1981 Jun;5(2):240–54

The disposition of p-nitroanisole by the sea urchin. Strongylocentrotus purpuratus. I. Kinetics. Landrum PF, et al. **Ecotoxicol Environ Safety** 1981 Jun;5(2):225–39

Ca2+-stimulated production of H2O2 from naphthoquinone oxidation in Arbacia eggs. Perry G, et al. **Exp Cell Res** 1981 Jul;134(1):65–72

Relationship of dolichol synthesis to glycoprotein synthesis during embryonic development. Carson DD, et al. **J Biol Chem** 1981 May 10;256(9):4679–86

Preferential channeling of exogenously supplied methionine into protein by sea urchin embryos. Ilan J, et al. **J Biol Chem** 1981 Mar 25;256(6):2830–4

MICROBIOLOGY

N2-fixing vibrios isolated from the gastrointestinal tract of sea urchins. Guerinot ML, et al. **Can J Microbiol** 1981 Mar; 27(3):311–7

PHYSIOLOGY

Comparison of the early histone H4 gene sequence of Strongylocentrotus purpuratus with maternal, early, and late histone H4 mRNA sequences. Grunstein M, et al. **Biochemistry** 1981 Mar 3;20(5):1216–23

Cortical reorganization following fertilization of sea urchin eggs: sensitivity to cytochalasin B. Banzhaf WC, et al. **Dev Biol** 1980 Dec;80(2):506–15

Effect of 3'-deoxyadenosine (cordycepin) on the early development of the sand dollar, Dendraster excentricus. Spieth J, et al. **Dev Biol** 1980 Sep;79(1):95–106

Intracellular pH of sea urchin eggs measured by the dimethyloxazolidinedione (DMO) method. Johnson CH, et al. **J Cell Biol** 1981 May;89(2):284–91

Sea urchin tube feet: unique structures that allow a cytological and molecular approach to the study of actin and its gene expression. Kabat-Zinn J, et al. **J Cell Biol** 1981 Apr;89(1):109–14

Measurement of intracellular pH in sea urchin eggs by 31P NMR. Inoue H, et al. **J Cell Physiol** 1980 Dec;105(3):461–8

Cholinergic motor control of sea urchin tube feet: evidence for chemical transmission without synapses. Florey E, et al. **J Exp Biol** 1980 Oct;88:281–92

Dual ionic controls for the activation of protein synthesis at fertilization. Winkler MM, et al. **Nature** 1980 Oct 9; 287(5782):558–60

ULTRASTRUCTURE

Local light stimulation of isolated chromatophores of the sea urchin Centrostephanus longispinus. Gras H. **Eur J Cell Biol** 1981 Feb;23(2):258–66

Coelomocyte cytoskeletons. Interaction with cytochalasin B. Edds KT. **Exp Cell Res** 1980 Dec;130(2):371–6

Induction of either contractile or structural actin-based gels in sea urchin egg cytoplasmic extract. Kane RE. **J Cell Biol** 1980 Sep;86(3):803–9

Isolation and partial characterization of the plasma membrane of the sea urchin egg. Kinsey WH, et al. **J Cell Biol** 1980 Oct;87(1):248–54

Sliding velocity between outer doublet microtubules of sea-urchin sperm axonemes. Yano Y, et al. **J Cell Sci** 1980 Aug;44:169–86

SEALED CABIN ECOLOGY

Residence time and carbon dioxide scrubbing efficiency in life support systems. Wang TC. **Aviat Space Environ Med** 1981 Feb;52(2):104–8

Space victualling. Pirie NW. **Endeavour** 1980;4(2):74–7

[Rational atmosphere in manned sealed cabins and the prospects of its use] Agadzhanian NA. **Kosm Biol Aviakosm Med** 1981 Mar-Apr;15(2):37–43 (10 ref.) (Eng. Abstr.) **(Rus)**

[Effectiveness of the aerobic decomposition of plant wastes by microorganisms] Chernovich IL, et al. **Kosm Biol Aviakosm Med** 1981 Jun-Jul;15(4):44–5 (Eng. Abstr.) **(Rus)**

[Choice of a method for the long-term storage of a nutrient solution for growing vegetables] Gribovskaia IV, et al. **Kosm Biol Aviakosm Med** 1980 Sep-Oct;14(5):79–81 **(Rus)**

[Hygiene and toxicology of the gaseous products of human activity] Kustov VV, et al. **Kosm Biol Aviakosm Med** 1980 Jul-Aug;14(4):3–7 (50 ref.) (Eng. Abstr.) **(Rus)**

[Method of concentrating microcontaminants from the atmosphere of isolated objects using cooled entrainment separators] Nol'de TV, et al. **Kosm Biol Aviakosm Med** 1981 Mar-Apr;15(2):93–4 **(Rus)**

[Seasonal changes in the number of leukocytes and their phagocytic activity in persons working in hermetically sealed locations] Novikov VS, et al. **Kosm Biol Aviakosm Med** 1980 Nov-Dec;14(6):81–2 **(Rus)**

[Human motor activity during its artificial restriction] Panferova NE, et al. **Kosm Biol Aviakosm Med** 1980 Nov-Dec;14(6):32–5 (Eng. Abstr.) **(Rus)**

[Effect of specific volume on formation of the atmosphere of hermetically sealed objects] Savina VP, et al. **Kosm Biol Aviakosm Med** 1981 Jan-Feb;15(1):70–2 (Eng. Abstr.) **(Rus)**

[Comparative study of the state of human respiration and acid-base equilibrium following changes in the atmosphere and microclimate of hermetically-sealed chambers] Zhuravlev VV. **Kosm Biol Aviakosm Med** 1981 Jan-Feb; 15(1):90–2 **(Rus)**

INSTRUMENTATION

A second generation portable life support system. Vered E, et al. **Trans Am Soc Artif Intern Organs** 1980;26:39–42

[Potential use of an ultraviolet device for operational control over reclaimed drinking water quality] Chizhov SV, et al. **Kosm Biol Aviakosm Med** 1980 Sep-Oct;14(5):77–9 **(Rus)**

[Automatic gas exchange control of the autotrophic component in a life support system for heterotrophic organisms] Korbut VL. **Kosm Biol Aviakosm Med** 1980 Sep-Oct;14(5):73–7 (Eng. Abstr.) **(Rus)**

SEALS see under **PINNIPEDIA**

SEASICKNESS see **MOTION SICKNESS**

SEASONS

Serotonin and seasonal variation in the pancreatic structure of bats: possible presence of serotonergic axons in the gland. Nunez EA, et al. **Am J Anat** 1980 Nov;159(3):347–60

Characterization of seasonal changes in prolactin and growth hormone cells in the hypophyses of white-tailed deer (Odocoileus borealis) by ultrastructural and immunocytochemical techniques. Schulte BA, et al. **Am J Anat** 1981 Mar;160(3):277–84

Seasonal changes in prolactin and growth hormone cells in the hypophyses of white-tailed deer (Odocoileus virginianus borealis) studied by light microscopic immunocytochemistry and radioimmunoassay. Schulte BA, et al. **Am J Anat** 1980 Dec;159(4):369–77

Vitamin D nutrition in relation to season and occupation. Devgun MS, et al. **Am J Clin Nutr** 1981 Aug;34(8):1501–4

Is there an optimal time to schedule residency interviews [editorial] Weinberger HL, et al. **Am J Dis Child** 1980 Dec; 134(12):1128

Seasonal relationship of sudden infant death syndrome and environmental pollutants. Hoppenbrouwers T, et al. **Am J Epidemiol** 1981 Jun;113(6):623–35

Re: study of seasonality [letter] Marrero O. **Am J Epidemiol** 1981 Apr;113(4):481–2

Seasonality of monthly birth rate in Pennsylvania: implications for health care planning. Kenny JD, et al. **Am J Obstet Gynecol** 1981 Mar 15;139(6):737–8

Changes in prevalence of secretory otitis from summer to winter in four-year-old children. Tos M, et al. **Am J Otol** 1981 Apr;2(4):324–7

Seasonal changes in enzymes of aerobic heat production in the white-footed mouse. Wickler SJ. **Am J Physiol** 1981 May;240(5):R289–94

Circannual renal function and plasma electrolytes of the marmot. Zatzman ML, et al. **Am J Physiol** 1981 Jul; 241(1):R87–91

Seasonal patterns of skin melanoma incidence in Hawaii. Hinds MW, et al. **Am J Public Health** 1981 May;71(5):496–9

Seasonal variation in spontaneous abortions. Warren CW, et al. **Am J Public Health** 1980 Dec;70(12):1297–9

Seasonal occurence of infective nematode larvae on irrigated pasture grazed by cattle in California. Baker NF, et al. **Am J Vet Res** 1981 Jul;42(7):1188–91

Seasonal changes in testes and thumb pads of the toad, Bufo marinus (Linn.) and their correlation with fluctuations in the environmental factors. Saxena PK, et al. **Anat Anz** 1981; 149(4):337–44

Correlative study of the ultrastructure and the physiology of the seasonal regression of the epididymal epithelium in

the hedgehog Paraechinus micropus. **Bidwai PP, et al. Andrologia** 1981 Jan–Feb;13(1):20–32

The seasonal variation of allergic respiratory symptoms induced by house dust mites. **Murray AB, et al. Ann Allergy** 1980 Dec;45(6):347–50

Seasonal variations of serum IgE levels in normal children. **Stempel DA, et al. Ann Allergy** 1981 Jul;47(1):14–6

Seasonality in twin and triplet births. **James WH. Ann Hum Biol** 1980 Mar–Apr;7(2):163–75

Seasonal (circannual) periodicity of spontaneous intracerebral hemorrhage in Minnesota. **Ramirez–Lassepas M, et al. Ann Neurol** 1980 Nov;8(5):539–41

Lack of seasonal changes in biochemical constituents of bonnet monkey semen. **Jayaraman S, et al. Arch Androl** 1980 Jun;4(4):327–30

Some parameters of water–electrolyte metabolism and acid–base balance of dairy cows during pasture and winter season. **Kubiński T. Arch Exp Veterinaermed** 1980; 34(2):161–6

Cholinergic urticaria. A seasonal disease. **Shoenfeld Y, et al. Arch Intern Med** 1981 Jul;141(8):1029–30

Is there a seasonal variation in oestrogen receptor levels in human breast carcinoma tissues? **Hähnel R, et al. Aust NZ J Surg** 1981 Apr;51(2):183–5

Seasonal variation in plasma cortisol concentration during pregnancy and the puerperium. **Baker JM, et al. Biochem Soc Trans** 1980 Oct;8(5):587–8

Correlation of seasonal variation of 25–hydroxycalciferol with UV radiation dose. **Beadle PC, et al. Br J Dermatol** 1980 Sep;103(3):289–93

Energy expenditure of male farmers in dry and rainy seasons in Upper–Volta. **Brun T, et al. Br J Nutr** 1981 Jan; 45(1):67–75

Season of birth and family history [letter] **Shur E. Br J Psychiatry** 1980 Aug;137:198

Seasonal fluctuations in serum concentrations of vitamin D metabolites in normal subjects. **Juttmann JR, et al. Br Med J [Clin Res]** 1981 Apr 25;282(6273):1349–52

The thermoneutral temperature zone and seasonal acclimatisation in the hen. **Arieli A, et al. Br Poult Sci** 1980 Nov;21(6):471–8

Circadian and seasonal rhythms in alpha– and beta–adrenergic receptors in the rat brain. **Kafka MS, et al. Brain Res** 1981 Mar 2;207(2):409–19

Seasonal variation of mutagenic activity in drinking water. **Grimm–Kibalo SM, et al. Bull Environ Contam Toxicol** 1981 Feb;26(2):188–95

Seasonal fluctuations in the occurrence of enterotoxigenic bacteria and rotavirus in paediatric diarrhoea in Addis Ababa. **Stintzing G, et al. Bull WHO** 1981;59(1):67–73

Seasonal changes in thyroid activity in the lesser snow goose (Anser caerulescens caerulescens) including reference to embryonic thyroid activity. **Campbell RR, et al. Can J Zool** 1980 Jun;58(6):1144–50

Moose winter browsing patterns on clear–cuttings in northern Ontario. **Hamilton GD, et al. Can J Zool** 1980 Aug;58(8):1412–6

Seasonal variation of aryl hydrocarbon hydroxylase activity in human lymphocytes. **Paigen B, et al. Cancer Res** 1981 Jul;41(7):2757–61

Seasonal changes in ultrastructure of brown adipose tissue in the common shrew (Sorex araneus l.). **Przelęcka A. Cell Tissue Res** 1981;214(3):623–32

Short day induced gonadal regression in ring doves (Streptopelia risoria): a case for seasonal variation. **Cheng MF, et al. Chronobiologia** 1980 Jul–Sep;7(3):357–70

The vascular response to zinc varies seasonally: effect of pinealectomy and melatonin. **Cunnane SC, et al. Chronobiologia** 1980 Oct–Dec;7(4):493–503

Influence of season on thermoregulatory response to noradrenaline and monoamine content in the pigeon maintained in laboratory conditions. **Saarela S, et al. Comp Biochem Physiol [C]** 1980;67C(1):17–21

Effect of seasonal and temperature changes on humoral response of Eumeces schneideri (Reptilia, Sauria, Scincidae). **El Deeb S, et al. Dev Comp Immunol** 1980 Fall; 4(4):753–8

Reciprocal changes in serum concentrations of triiodothyronine and reverse triiodothyronine between summer and winter in normal adult men. **Koono N. Endocrinol Jpn** 1980 Aug;27(4):471–6

Gonadal steroids and the control of gonadal function in seasonally breeding species. **Donovan BT, et al. Exp Brain Res** 1981;Suppl 3:158–68

Seasonal variation in cell mediated immunity of clinically normal dogs. **Shifrine M, et al. Exp Hematol** 1980 Mar; 8(3):318–26

Effect of seasonal variation on the acute toxicity of cyclophosphamide in the Chinese hamster (Cricetulus griseus) and the mouse under laboratory conditions. **Pericin C. Experientia** 1981 Apr 15;37(4):401–2

Note on some diptera (Tabanidae, Glossinidae, Muscidae and related families) at the peak of dry season in Toro Game Reserve, Uganda. **Dusbábek F, et al. Folia Parasitol (Praha)** 1980;27(2):165–71

Seasonal changes in testosterone metabolism in the pituitary gland and central nervous system of the European starling (Sturnus vulgaris). **Bottoni L, et al. Gen Comp Endocrinol** 1981 Apr;43(4):532–6

Premigratory increase in circulating triiodothyronine/thyroxine ratio in the red–headed bunting (Emberiza bruniceps). **Chandola A, et al. Gen Comp Endocrinol** 1980 Jun;41(2):270–3

Levels of testosterone, dihydrotestosterone, and androstenedione in the plasma and testis of a lizard (Lacerta vivipara Jacquin) during the annual cycle. **Courty Y, et al. Gen Comp Endocrinol** 1980 Nov;42(3):325–33

Plasma thyroxine and testosterone levels in the red fox (Vulpes vulpes L.) during the annual cycle. **Maurel D, et al. Gen Comp Endocrinol** 1981 Mar;43(3):402–4

Seasonal variation in insulin and glucagon concentrations of Rana esculenta (L.). **Schlaghecke R, et al. Gen Comp Endocrinol** 1981 Apr;43(4):479–83

Annual cycle of plasma androgens and testicular composition in the rough–skinned newt, Taricha granulosa. **Specker JL, et al. Gen Comp Endocrinol** 1980 Nov;42(3):297–303

Annual changes in plasma and liver in relation to vitellogenesis in the female rainbow trout, Salmo gairdneri. **van Bohemen CG, et al. Gen Comp Endocrinol** 1981 May; 44(1):94–107

Seasonal androgenesis in the male water snake, Nerodia sipedon. **Weil MR, et al. Gen Comp Endocrinol** 1981 May; 44(1):44–53

Changes in the seasonal distribution of births in Görlitz, Germany, during the period between 1657 and 1816. **Miura T, et al. Hum Biol** 1981 Feb;53(1):15–22

Influence of genotype & season upon phosphomonoesterase & transaminase activity in semen plasma of the fowl Gallus domesticus. **Datta IC, et al. Indian J Exp Biol** 1980 Oct; 18(10):1195–8

Effective heat load on agricultural workers during summer season. **Nag PK, et al. Indian J Med Res** 1980 Sep; 72:408–15

Studies on histamine and histaminase in spring catarrh (vernal conjunctivitis). **Mukhopadhyay K, et al. Int Arch Allergy Appl Immunol** 1981;64(4):464–8

Seasonality in endocrine and exocrine testicular function of the adult rhesus monkey (Macaca mulatta) maintained in a controlled laboratory environment. **Wickings EJ, et al. Int J Androl** 1980 Feb;3(1):87–104

Areal distribution of the discomfort index in Israel. **Rubinstein M, et al. Int J Biometeorol** 1980 Dec; 24(4):315–22

The Discomfort Index, mortality and the London summers of 1976 and 1978. **Tout DG. Int J Biometeorol** 1980 Dec; 24(4):323–8

The effect of birth month on asthma, eczema, hayfever, respiratory symptoms, lung function, and hospital admissions for asthma. **Anderson HR, et al. Int J Epidemiol** 1981 Mar;10(1):45–51

Seasonal variation in the incidence of farmer's lung. **Terho EO, et al. Int J Epidemiol** 1980 Sep;9(3):219–20

Seasonal, circadian and episodic variations of human immunoreactive beta–MSH, ACTH and cortisol. **Van Cauter EW, et al. Int J Pept Protein Res** 1981 Jan; 17(1):3–13

Seasonality of the episodes of recurrent affective psychoses. Possible prophylactic interventions. **Frangos E, et al. J Affective Disord** 1980 Dec;2(4):239–47

Seasonal variations in biochemical factors related to depressive illness. **Swade C, et al. J Affective Disord** 1980 Dec;2(4):249–55

Summertime actinic lichenoid eruption (lichen planus actinicus). **Isaacson D, et al. J Am Acad Dermatol** 1981 Apr;4(4):404–11

Seasonal changes in the ultrastructure of the thyrotroph in the wookchuck (Marmota monax) adenohypophysis. **Frink R, et al. J Anat** 1980 May;130(3):499–505

Influence of confinement and season of the year on puberty and estrous activity of gilts. **Christenson RK. J Anim Sci** 1981 Apr;52(4):821–30

Influence of season and age on reproductive activity in pony mares on the basis of a slaughterhouse survey. **Wesson JA, et al. J Anim Sci** 1981 Jan;52(1):119–29

Physiological and hematologic responses to summer and winter dry–heat acclimation. **Shapiro Y, et al. J Appl Physiol** 1981 Apr;50(4):792–8

Seasonality of fertility in Matlab, Bangladesh. **Becker S. J Biosoc Sci** 1981 Jan;13(1):97–105

Absence of seasonal variation in serum concentrations of 1,25–dihydroxyvitamin D despite a rise in 25–hydroxyvitamin D in summer. **Chesney RW, et al. J Clin Endocrinol Metab** 1981 Jul;53(1):139–42

Effects of age, temperature–season, and breed on blood characteristics of dairy cattle. **Shaffer L, et al. J Dairy Sci** 1981 Jan;64(1):62–70

Importance of variations in behavioural and feedback actions of oestradiol to the control of seasonal breeding in the ewe. **Goodman RL, et al. J Endocrinol** 1981 May;89(2):229–40

[Abnormalities in the seasonal course of oestrous cycles in ewes after lesions of the suprachiasmatic area of the hypothalamus. **Przekop F, et al. J Endocrinol** 1980 Jun; 85(3):481–6

Metabolism of androgens by the active and inactive prostate gland, and the seasonal changes in systemic androgen levels in the grey squirrel (Sciurus carolinensis Gmelin). **Siwela AA, et al. J Endocrinol** 1981 Mar;88(3):381–92

The role of season in the epidemiology of influenza. **Hope–Simpson RE. J Hyg (Lond)** 1981 Feb;86(1):35–47

A spontaneously seasonal hypercholesterolemic animal: plasma lipids and lipoproteins in the European badger (Meles meles L.). **Laplaud PM, et al. J Lipid Res** 1980 Aug;21(6):724–38

Renin release from isolated rat glomeruli: seasonal variations and effects of D600 on the response to calcium deprivation. **Baumbach L, et al. J Physiol (Lond)** 1981 Jan;310:285–92

Seasonal influences of births and male sex skin coloration in rhesus monkeys (macaca mulatta) in the southern hemisphere. **Bielert C, et al. J Reprod Fertil** 1981 May; 62(1):229–33

Influences of season, cycle and breed on follicular growth rates in sheep. **Cahill LP, et al. J Reprod Fertil** 1980 Mar; 58(2):321–8

Seasonal variations in rete testis fluid secretion and sperm production in different breeds of ram. **Dacheux JL, et al. J Reprod Fertil** 1981 Mar;61(2):363–71

The effect of season on the ovulatory response of Merino ewes to serum from pregnant mares. **Gherardi PB, et al. J Reprod Fertil** 1980 Nov;60(2):425–9

The effect of season of the year on the characteristics and composition of dog semen. **Taha MB, et al. J Small Anim Pract** 1981 Apr;22(4):177–84

The urban mosquitoes of Suva, Fiji: seasonal incidence and evaluation of environmental sanitation and ULV spraying for their control. **Goettel MS, et al. J Trop Med Hyg** 1980 Aug;83(4):165–71

Race, season, gonadotrophin, and sex ratio [letter] **Lancet** 1980 Nov 8;2(8202):1032–3

Seasonal variation in the apparent number of binding sites for 3H–opioid agonists and antagonists. **Codd EE, et al. Life Sci** 1981 Jun 8;28(23):2577–83

Cold epidemic and the atmosphere. **Snow W, et al. Md State Med J** 1980 Nov;29(11):77

Abolition of seasonal embryonic diapause in a wallaby by pineal denervation. **Renfree MB, et al. Nature** 1981 Sep 10;293(5828):138–9

Correlative changes in the response to castration and the onset of refractoriness in male golden hamsters. **Tate–Ostroff B, et al. Neuroendocrinology** 1981 Jun; 32(6):325–9

Hay fever in season. **Fontana VJ. NY State J Med** 1981 Aug; 81(9):1319–21

Repetitive tympanometric screenings in 4–year–old children. Seasonal influence on secretory otitis and tubal dysfunction. **Holm–Jensen S, et al. ORL J Otorhinolaryngol Relat Spec** 1981;43(3):164–74

Twenty–fifth Annual Bowditch Lecture. Seasonal reproduction: a sage of reversible fertility. **Karsch FJ. Physiologist** 1980 Dec;23(6):29–38

Season of birth and season of hospital admission in bipolar depressed female patients. **Rihmer Z. Psychiatry Res** 1980 Dec;3(3):247–51

Seasonality in biochemical determinations: a source of variance and a clue to the temporal incidence of affective illness. **Wirz–Justice A, et al. Psychiatry Res** 1979 Jul; 1(1):53–60

An explanation for the season of birth effect in schizophrenia and certain other diseases. **Lewis MS, et al. Psychol Bull** 1981 May;89(3):589–96

Season of birth and degree of mental retardation: failure to confirm a relationship. **Roszkowski MJ. Psychol Rep** 1980 Aug;47(1):100–2

Seasonal breeding: nature's contraceptive. **Lincoln GA, et al. Recent Prog Horm Res** 1980;36:1–52 (90 ref.)

Short and medium–term variations in mortality in Finland. A study on cyclic variations, annual and weekly periods and certain irregular changes in mortality in Finland during period 1868––1972. **Näyhä S. Scand J Soc Med [Suppl]** 1981;(21):1–101

Circannual rhythm of arterial and venous thromboembolic disease. **Entrican JH, et al. Scott Med J** 1979 Oct; 24(4):273–8

Social status and season of birth: a study of a metropolitan area in the southeastern United States. **Warren CW, et al. Soc Biol** 1979 Winter;26(4):275–88

Perspectives on season of suicide: a review. **Kevan SM. Soc Sci Med [Med Geogr]** 1980 Dec;14(4):369–78 (104 ref.)

Geographical and secular changes in the seasonal distribution of births. **Shimura M, et al. Soc Sci Med [Med Geogr]** 1981 Feb;15D(1):103–9

Use of calendar and weather data to predict walk–in attendance. **Diehl AK, et al. South Med J** 1981 Jun; 74(6):709–12

Seasonal variations and relative abundance of mesostigmatid mites collected from Bandicota bengalensis and Rattus species in Rangoon, Burma. **Telford SR Jr, et al. Southeast Asian J Trop Med Public Health** 1980 Sep; 11(3):348–51

Timing in the life histories of insects. **Taylor F. Theor Popul Biol** 1980 Aug;18(1):112–24

Optimal switching to diapause in relation to the onset of winter. **Taylor F. Theor Popul Biol** 1980 Aug;18(1):125–33

The seasonal incidence of coccidia infections in trade cattle, sheep, and goats in Nigeria. **Majaro OM, et al. Tijdschrift Voor Diergeneeskd** 1981 Apr 15;106(8):suppl 3:85–90

The seasonal incidence of primary amoebic meningoencephalitis in Northern Nigeria [letter] **Lawande RV. Trans R Soc Trop Med Hyg** 1980;74(1):141–2

Seasonal patterns in the transmission of Schistosoma haematobium in Rhodesia, and its control by winter application of molluscicide. **Shiff CJ, et al. Trans R Soc Trop Med Hyg** 1979;73(4):375–80

Seasonality in human hookworm infection in an endemic area of Nigeria, and its relationship to rainfall. **Nwosu AB, et al. Tropenmed Parasitol** 1980 Jun;31(2):201–8

Seasonal occurrence of viruses in the Milwaukee area: 1971–80. Sedmak GV, et al. **Wis Med J** 1981 Feb;80(2):31–5

Histo-chemical mapping of phosphomonoesterases in the gonads of Notopterus notopterus and Colisa fasciatus during different seasons. Part II. Adenosine triphosphatase and glucose-6-phosphatase. Dalela RC, et al. **Z Mikrosk Anat Forsch** 1980;94(1):133–42

Seasonal changes in the thyroid gland of Indian spiny tailed, sand lizard, Uromastix hardwickii (Gray) male. Sinha AK, et al. **Z Mikrosk Anat Forsch** 1981;95(1):72–80

Seasonal changes in the behavior and plasma titers of various hormones in barheaded geese, Anser indicus. Dittami JP. **Z Tierpsychol** 1981;55(4):289–324

Seasonal variations in reticulocyte counts in blood of laboratory mice and rats. Short communication. Berger J. **Z Versuchstierkd** 1981;23(1):8–12

[Thermoregulation changes in secondary vocational and technical school students during the summer job experience] Shpangenberg S, et al. **Probl Khig** 1980;5:163–7 (Eng. Abstr.) **(Bul)**

[The relationship between seasonal prevalence of Keshan disease and hair selenium level of local inhabitants (author's transl)] Sung SZ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1980;14(1):17–9 **(Chi)**

[The effect of sex factors and sunshine on indications for phototherapy of neonatal hyperbilirubinemia] Hodr R, et al. **Cesk Pediatr** 1980 Sep;35(9):487–90 (Eng. Abstr.) **(Cze)**

[Relations of certain indicators of ejaculate quality of breeding boars to seasonal changes in the microclimate in pigsties] Navrátil S, et al. **Vet Med (Praha)** 1981 Feb; 26(2):75–83 (Eng. Abstr.) **(Cze)**

[Variations in fetal death with regard to the months of the year] Jongbloet PH, et al. **Ned Tijdschr Geneeskd** 1980 Oct 25;124(43):1837 **(Dut)**

[Seasonal variations of plasma testosterone and dihydrotestosterone in the Mauritanian toad (Bufo mauritanicus)] Siboulet R. **Gen Comp Endocrinol** 1981 Jan; 43(1):71–5 (Eng. Abstr.) **(Fre)**

[Weight crisis in Sahelian zebu cattle at the beginning of the rainy season. Possible causes and means of control] Denis JP, et al. **Rev Elev Med Vet Pays Trop** 1979; 32(3):277–84 (Eng. Abstr.) **(Fre)**

[Secular change in the seasonal distribution of menarche in Tokyo] Shimura M, et al. **Aerztl Jugendkd** 1980;71(5):365–8 (Eng. Abstr.) **(Ger)**

[Seasonal variation of blood components important for diagnosis (author's transl)] Röcker L, et al. **Klin Wochenschr** 1980 Aug 1;58(15):769–78 (Eng. Abstr.) **(Ger)**

[The ski pole in summer] Neureuther G. **MMW** 1981 Mar 27;123(13):513–4 **(Ger)**

[Problems of summertime from the social medicine viewpoint] Hasselkus W, et al. **Oeff Gesundheitswes** 1981 May;43(5):207–10 **(ger)**

[Annual periodicity of head louse incidence depending on air temperature and relative humidity in the area of Suhl] Hänsel R, et al. **Z Gesamte Hyg** 1980;26(11):821–4 (Eng. Abstr.) **(Ger)**

[The importance of weeds for the transmission of Rhizoctonia solani Kühn. IV. The role of weeds in the overwintering of the pathogen (author's transl)] Griesbach E. **Zentralbl Bakteriol [Naturwiss]** 1980;135(3):195–200 (Eng. Abstr.) **(Ger)**

[Effect of sex on annual variations in plasma LH and FSH levels in prepubertal subjects] Bellastella A, et al. **Boll Soc Ital Biol Sper** 1980 Oct 15;56(19):2013–9 (Eng. Abstr.) **(Ita)**

[Effect of sex on annual variations in GH response to insulin hypoglycemia in prepuberal subjects of small stature] Bellastella A, et al. **Boll Soc Ital Biol Sper** 1980 Oct 15; 56(19):2006–12 (Eng. Abstr.) **(Ita)**

[Annual variations in plasma testosterone levels in prepuberal subjects] Bellastella A, et al. **Boll Soc Ital Biol Sper** 1980 Oct 15;56(19):2001–5 (Eng. Abstr.) **(Ita)**

[Circannual rhythm of plasma 25-hydroxycholecalciferol in normal man] Coen G, et al. **Boll Soc Ital Biol Sper** 1980 Aug 15;56(15):1535–40 (Eng. Abstr.) **(Ita)**

[Seasonality of human conception associated with births in countries bordering the Norwegian Sea – with special reference to northern Norway] Rønnike F. **Tidsskr Nor Laegeforen** 1981 Jan 20;101(2):151–5 (Eng. Abstr.) **(Nor)**

[Seasonal variability of post-exertion bronchial spasm in pollen-induced asthma] Rożniecki J, et al. **Pneumonol Pol** 1980 Aug;48(8):531–4 (Eng. Abstr.) **(Pol)**

[Seasonal variations in the degree of bronchial hypersensitivity in inhaled histamine] Szmidt M, et al. **Pneumonol Pol** 1980 Nov;48(11):725–32 (Eng. Abstr.) **(Pol)**

[Seasonal changes in blood serum aminotransferase activity] Bartelik S, et al. **Wiad Lek** 1980 Sep 1;33(17):1527–9 (Eng. Abstr.) **(Pol)**

[Seasonal dynamics of infection of snails (Lymnaea stagnalis L.) with Trematoda in the fish ponds in the Stawy Milickie Reservation area] Bertman M. **Wiad Parazytol** 1980; 26(1):23–9 (Eng. Abstr.) **(Pol)**

[Seasonal variation in the prevalence of leptospirosis in stray dogs in São Paulo, Brazil] Yasuda PH, et al. **Rev Saude Publica** 1980 Dec;14(4):589–96 (Eng. Abstr.) **(Por)**

[Seasonal biorhythm of the indices of ultraviolet absorption levels] Iatsyna OV. **Gig Sanit** 1981 Mar;(3):84–5 **(Rus)**

[Measurement of seasonal fluctuations in actual food consumption by the sums of absolute deviations from a reference level] Notkin EL. **Gig Sanit** 1981 Feb;(2):43–5 **(Rus)**

[Seasonal fluctuations in the intensity of microfilaremia and in the size of the microfilaria in persons coming from the tropics into a region of moderate climate] Artamonova AA, et al. **Med Parazitol (Mosk)** 1981 Jan–Feb;60(1):79–83 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of trapping methods for blood-sucking mosquitoes. 2. The seasonal course of the population and the circadian rhythm of attack activity according to data from different capture methods] Masalkina TM. **Med Parazitol (Mosk)** 1981 Jan–Feb; 60(1):13–8 (Eng. Abstr.) **(Rus)**

[Changes in the physiological age and abundance of Ixodes persulcatus ticks during their activity season (Ixodidae)] Rasnitsyn SP, et al. **Parazitologiia** 1980 Nov–Dec; 14(6):493–9 (Eng. Abstr.) **(Rus)**

[Diurnal and seasonal variations in the plasma levels of cortisol and its precursors in Macaca mulatta] Tavadian DS, et al. **Probl Endokrinol (Mosk)** 1981 Mar–Apr; 27(2):57–62 (Eng. Abstr.) **(Rus)**

[Dose and time dependence of radiation death in the Central Asian tortoise (Testudo horsfieldi) in the fall–winter period] Turdyev AA, et al. **Radiobiologiia** 1981 Mar–Apr; 21(2):283–6 (Eng. Abstr.) **(Rus)**

[Effect of the season on sporogenesis in Trichophyton verrucosum, Bodin, 1902] Letiagin KP, et al. **Vestn Dermatol Venerol** 1980 Sep;(9):16–8 (Eng. Abstr.) **(Rus)**

[Kallikrein–kinin system in hypertension patients undergoing health resort climate treatment at different seasons of the year] Bogutskiĭ BV, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Jan–Feb; (1):28–31 (Eng. Abstr.) **(Rus)**

[Estimating the seasonal climatic factors of the Far East in the local sanatorium treatment of children with chronic nonspecific pneumonia] Chulkova RF. **Vopr Kurortol Fizioter Lech Fiz Kult** 1980 Sep–Oct;(5):20–4 (Eng. Abstr.) **(Rus)**

[Rehabilitation of myocardial infarct patients using Arzni carbonate baths with reference to the season of the year] Topchian ZhS, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 Jan–Feb;(1):22–5 **(Rus)**

[Fluctuations in the concentration of human serum cholesterol and glucose during the course of a year] Margiavichene LÉ, et al. **Vopr Med Khim** 1980 Mar–Apr; 26(2):195–8 (Eng. Abstr.) **(Rus)**

[Seasonal fluctuations in the enteropathogenic properties of vibrios] Ved'mina EA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Sep;(9):34–9 (Eng. Abstr.) **(Rus)**

[Seasonal changes in the vascular tone of patients with cerebral circulatory disorders in an arid area] Mamiev AK, et al. **Zh Nevropatol Psikhiatr** 1981;81(1):41–5 (Eng. Abstr.) **(Rus)**

[Seasonal effect on the concentration of sulfur dioxide and sulfate particles in the air] Gentilizza M, et al. **Arh Hig Rada Toksikol** 1981;32(1):29–39 (Eng. Abstr.) **(Scr)**

[Cerebral emergencies and solar activity (author's transl)] Kollár J, et al. **Cas Lek Cesk** 1981 Mar 5;120(9):251–6 (Eng. Abstr.) **(Slo)**

[Seasonal incidence in myocardial infarction (author's transl)] Palát M, et al. **Cas Lek Cesk** 1980 Oct;119(43–44):1185–8 (Eng. Abstr.) **(Slo)**

SEAT BELTS

The Tennessee child restraint law in its third year. Williams AF, et al. **Am J Public Health** 1981 Feb;71(2):163–5

Evaluation of the Rhode Island child restraint law. Williams AF, et al. **Am J Public Health** 1981 Jul;71(7):742–3

Why parents do not provide automobile restraints for their children. Geddis DC, et al. **Aust Paediatr J** 1980 Jun; 16(2):114–6

Inadequate harnesses as a cause of death in two light aircraft accidents. Hill IR. **Aviat Space Environ Med** 1980 Sep;51(9 Pt 2):1077–9

Promoting the use of seat belts. Wessex Positive Health Team. **Br Med J** 1980 Nov 29;281(6253):1447–8

Road safety and the law [editorial] **Br Med J** 1980 Dec 6; 281(6254):1514

The case of mandatory seat restraint laws. Paulson JA. **Clin Pediatr (Phila)** 1981 Apr;20(4):285–90

Car seat belts. Hicks A. **East Afr Med J** 1980 Oct; 57(10):676–7

Brief clinical and laboratory observations. Litt IF, et al. **J Pediatr** 1981 Sep;99(3):484–6

Personal liberty versus common sense [editorial] **Lancet** 1980 Sep 13;2(8194):567–8

Use of automobile safety restraints for children [letter] Spaight SJ, et al. **N Engl J Med** 1980 Dec 18;303(25):1481–2

Influence of seat belt upon maxillofacial fractures. Afzelius LE, et al. **ORL J Otorhinolaryngol Relat Spec** 1980; 42(5):277–81

Infant car seat safety [letter] Simmons J. **Pediatrics** 1980 Oct; 66(4):655–6

[Release of handicapped motorists from duty to fasten seatbelts] Rieger HJ. **Dtsch Med Wochenschr** 1980 Jul 25; 105(30):1044 **(Ger)**

[Injuries through traffic accidents to car occupants with and without the obligation to wear safety belts (author's transl)] Hell K. **Unfallchirurgie** 1980;6(1):28–34 (Eng. Abstr.) **(Ger)**

[Pelvic fractures of seat belted car occupants] Schroeder L, et al. **Unfallchirurgie** 1980;6(1):35–7 (Eng. Abstr.) **(Ger)**

[Injuries to automobile occupants in accidents without and with safety belts] Hell K. **Z Unfallmed Berufskr** 1980; 73(2):76–7 **(Ger)**

[Legal problems of wearing a seat belt from the Swiss viewpoint] Schmid E. **Z Unfallmed Berufskr** 1980; 73(2):73–5 **(Ger)**

[Determination of joint fault in the case of safety belts allegedly not worn] Walz F, et al. **Z Unfallmed Berufskr** 1980;73(2):65–72 **(Ger)**

ADVERSE EFFECTS

Not so unusual seat-belt injuries [letter] Tayton KJ. **Br Med J** 1980 Oct 4;281(6245):943–4

Traumatic aneurysm of the internal carotid artery and rupture of the duodenum following seat belt injury. Clarke P, et al. **Injury** 1980 Sep;12(2):158–60

Lap seat belts useful but can injure children [news] Gunby P. **JAMA** 1981 Jun 12;245(22):2281–2

Small-bowel stenosis after seat belt injury. Pohl MJ, et al. **Med J Aust** 1980 Aug 9;2(3):156

Late obstruction of the intrahepatic common bile duct after seat-belt injury. Dryburgh PR, et al. **S Afr Med J** 1980 Sep 27;58(13):534–5

[Traumatic thrombosis of the arteria carotis after seat-belt injuries (author's transl)] Mohsenipour I, et al. **Unfallheilkunde** 1981 Jul;84(7):278–81 (Eng. Abstr.) **(Ger)**

[Thoracic and abdominal injuries caused by safety belts (author's transl)] Jancsó G, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1980; 23(1):48–50 (Eng. Abstr.) **(Hun)**

[Traumatic hernia of the abdominal wall (author's transl)] Tódor G, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1980; 23(1):33–6 **(Hun)**

[Closed isolated pancreatic injury caused by a safety belt] Balogh I. **Morphol Igazsagugyi Orv Sz** 1980 Apr; 20(2):151–2 **(Hun)**

SEAWATER

The Ligurian coast: an example of data processing. Volterra L, et al. **Ann Ist Super Sanita** 1979;15(4):691–707

Effect of sunlight on survival of indicator bacteria in seawater. Fujioka RS, et al. **Appl Environ Microbiol** 1981 Mar;41(3):690–6

Solar radiation induces sublethal injury in Escherichia coli in seawater. Kapuscinski RB, et al. **Appl Environ Microbiol** 1981 Mar;41(3):670–4

Incidence of Vibrio alginolyticus and bacteria of sanitary significance in the Bering Sea. Kaysner CA. **Appl Environ Microbiol** 1981 May;41(5):1279–82

Incidence of marine bdellovibrios lytic against Vibrio parahaemolyticus in Chesapeake Bay. Williams HN, et al. **Appl Environ Microbiol** 1980 Nov;40(5):970–2

Avoidance response of juvenile Chromis punctipinnis to chlorinated seawater. Hose JE, et al. **Bull Environ Contam Toxicol** 1980 Dec;25(6):929–35

N2 fixation in the rhizosphere of Thalassia testudinum. Capone DG, et al. **Can J Microbiol** 1980 Aug; 26(8):998–1005

Microbial life in the deep sea. Morita RY. **Can J Microbiol** 1980 Dec;26(12):1375–85

Evaluation of a reverse osmosis apparatus for field production of USP grade injectable water from sea water, pond water, and human urine. DeVenuto F, et al. **Milit Med** 1980 Dec; 145(12):831–5

Investigations on the presence of cyanophages in fresh and sea waters of Romania. Moisa I, et al. **Virologie** 1981 Apr–Jun;32(2):127–32

[Vibrio parahaemolyticus—a representative of sea microflora pathogenic for man (author's transl)] Aldová E, et al. **Cesk Epidemiol Mikrobiol Imunol** 1980 Jul;29(4):193–300 (Eng. Abstr.) **(Cze)**

[Phosphatases and oxidative enzymes in the kidney of the Prussian carp (Carassius auratus gibelio Bloch) adapted to salt water] Hentschel H, et al. **Z Mikrosk Anat Forsch** 1980; 94(2):217–40 (Eng. Abstr.) **(Ger)**

[Hygienic quality of the water in seaside resorts and in lakes from a chemical point of view (author's transl)] Quentin KE. **Zentralbl Bakteriol [B]** 1980;172(1–3):208–14 (Eng. Abstr.) **(Ger)**

[Determination of the K+/Na+ ratio in experimental drowning in sea water] Gagliano Candela R, et al. **Boll Soc Ital Biol Sper** 1979 Mar 15;55(5):478–83 (Eng. Abstr.) **(Ita)**

[Anionic detergents in Mytilus Galloprovincialis of the gulf of Naples] Sansone G, et al. **Boll Soc Ital Biol Sper** 1979 Oct 15;55(19):2031–5 (Eng. Abstr.) **(Ita)**

[Dynamics of the viability of certain strains of enterococci in sea and river water at different temperatures] Alton LV, et al. **Gig Sanit** 1980 Jun;(6):72–3 **(Rus)**

[Survival and adaptation of the saprophytic bacteria of

domestic sewage in seawater] Alton LV. **Gig Sanit** 1980 Oct;(10):73–4 **(Rus)**

[Organochlorine pesticide transformation in the marine environment] Roots OO. **Gig Sanit** 1981 Mar;(3):73–4 **(Rus)**

[Adaptation of certain strains of Escherichia coli to different sea water temperatures] Alton LV. **Mikrobiologiia** 1980 Sep–Oct;49(5):776–82 (Eng. Abstr.) **(Rus)**

[Bacteriological contamination of seawater and molluscs in some beach areas in the region of Split] Arsenijević S. **Vojnosanit Pregl** 1980 Sep–Oct;37(5):380–7 **(Scr)**

ANALYSIS

Effects of tertiary methods on total organic carbon removal in saline, closed-system marine mammal pools. Adams G, et al. **Am J Vet Res** 1980 Sep;41(9):1470–4

Monitoring of DDT, PCBs, and other organochlorine compounds in marine organisms from the North Aegean sea. Kilikidis SD, et al. **Bull Environ Contam Toxicol** 1981 Apr;26(4):496–501

Phthalic acid esters, total DDTs, and polychlorinated biphenyls in marine samples from Galveston Bay, Texas. Murray HE, et al. **Bull Environ Contam Toxicol** 1981 Jun; 26(6):769–74

238Pu concentrations in the marine environment at San Clemente island. Noshkin VE, et al. **Health Phys** 1981 May; 40(5):643–59

A non–Fickian approach to the consequences of dumping solid radioactive wastes in a finite ocean. Sarma TP, et al. **Health Phys** 1981 Mar;40(3):351–9

Fluoride cycles in an estuarine ecosystem. Murray F. **Sci Total Environ** 1981 Mar;17(3):223–41

[Application of colorimetry to the surveillance of the coastal waters of Tunisia] Chadli A, et al. **Arch Inst Pasteur Tunis** 1980 Dec;57(4):301–10 **(Fre)**

[Neutron activation analysis of trace elements in sea water samples (author's transl)] Kusaka Y, et al. **Radioisotopes** 1979 Mar;28(3):139–44 (Eng. Abstr.) **(Jpn)**

[Circulation and biodegradation of the carcinogenic hydrocarbon benz(a)pyrene in a marine environment] Tsyban' AV, et al. **Dokl Akad Nauk SSSR** 1980; 252(6):1490–3 **(Rus)**

[Determination of trace elements in desalinized seawater by an atomic absorption method] Aksiuk AF, et al. **Gig Sanit** 1981 May;(5):72–3 **(Rus)**

[Characteristics of the sanitary microbiological assessment of the quality of coastal seawater in industrial and domestic polution] Bagdasar'ian GA, et al. **Gig Sanit** 1980 Aug; (8):5–8 (Eng. Abstr.) **(Rus)**

[Seawater microflora study in regions of the Antarctic krill trade] Grigor'ev IuI. **Gig Sanit** 1981 Jan;(1):61–2 **(Rus)**

[Halophilic vibrios in human excreta and seawater] Libinzon AE, et al. **Gig Sanit** 1980 Dec;(12):73–4 **(Rus)**

[Dissemination of Clostridium perfringens spores in the littoral waters of Odessa Gulf] Tul'chinskaia VP, et al. **Mikrobiol Zh** 1981 Mar–Apr;43(2):156–60 (Eng. Abstr.) **(Rus)**

SEAWEED

see related

CARRAGEENAN

Preinduction ripening of the cervix with laminaria in the nulliparous patient. Rosenberg LS, et al. **J Reprod Med** 1980 Aug;25(2):60–2

Hypotensive principle of Laminaria and allied seaweeds. Funayama S, et al. **Planta Med** 1981 Jan;41(1):29–33

Study of a cardiotonic fraction from an extract of the seaweed. Undaria pinnatifida. Searl PB, et al. **Proc West Pharmacol Soc** 1981;24:63–5

[Experiment in affecting cancer biologically with an intramuscular and local administration of the seaweed, Scenedesmus obliquus] Drnek F, et al. **Cesk Gynekol** 1981 Jul;46(6):463–5 **(Cze)**

[Seaweeds of French Atlanta coast with antibacterial and antifungal compounds (author's transl)] Biard JF, et al. **Planta Med** 1980;Suppl:136–51 (Eng. Abstr.) **(Fre)**

[Seaweeds of French Atlantic coast with antimitotic compounds (author's transl)] Chénieux JC, et al. **Planta Med** 1980;Suppl:152–62 **(Fre)**

ANALYSIS

Determination of polycyclic aromatic hydrocarbons in marine samples by high-performance liquid chromatography. Obana H, et al. **Bull Environ Contam Toxicol** 1981 May;26(5):613–20

CYTOLOGY

Seaweed (Undaria pinnatifida) mimicking fungus [letter] Koizumi JH, et al. **Acta Cytol (Baltimore)** 1981 Mar–Apr; 25(2):198–9

SEBACEOUS CYST

DIAGNOSIS

Nasal dermoids in children. Bradley PJ. **Int J Pediatr Otorhinolaryngol** 1981 Jan;3(1):63–70

PATHOLOGY

Carcinoma arising in sebaceous and epidermoid cysts. Bauer BS, et al. **Ann Plast Surg** 1980 Sep;5(3):222–6

Trichilemmal cyst with intrinsic parietal sebaceous and apocrine structures. Hanau D, et al. **Clin Exp Dermatol** 1980 Sep;5(3):351–5

[Proliferating trichilemmal cyst (author's transl)] Shishiba T, et al. **Nippon Hifuka Gakkai Zasshi** 1980;90(7):611–20 **(Jpn)**

SURGERY

Steatocystoma multiplex with unusually prominent cysts on the face. Holmes R, et al. **Br J Dermatol** 1980 Jun; 102(6):711–3

SEBACEOUS GLAND NEOPLASMS

COMPLICATIONS

Darier's disease associated with cutaneous malignancies. Latour DL, et al. **J Dermatol Surg Oncol** 1981 May; 7(5):408–12

Masquerade syndrome. Brownstein S, et al. **Ophthalmology (Rochester)** 1980 Mar;87(3):259–62

ENZYMOLOGY

Phosphofructokinase from a mouse preputial gland tumour ESR–586. Geursen A, et al. **Int J Biochem** 1980;12(3):433–7

FAMILIAL & GENETIC

The cancer family syndrome. Rare cutaneous phenotypic linkage of Torre's syndrome. Lynch HT, et al. **Arch Intern Med** 1981 Apr;141(5):607–11

PATHOLOGY

Clear cell carcinoma of the skin. A variant of the squamous cell carcinoma that simulates sebaceous carcinoma. Kuo T. **Am J Surg Pathol** 1980 Dec;4(6):573–83

Sebaceous carcinoma of the penis. Oppenheim AR. **Arch Dermatol** 1981 May;117(5):306–7

Sebaceous trichofolliculoma. Plewig G. **J Cutan Pathol** 1980 Dec;7(6):394–403

[Sebaceous carcinoma and extra-mammary Paget's disease of the eyelid] Offret G, et al. **Bull Soc Ophtalmol Fr** 1981 Apr–May;81(4–5):423–6 **(Fre)**

[Pringle's disease with skeletal changes] Schöner N, et al. **Hautarzt** 1980 Jun;31(6):334–5 (Eng. Abstr.) **(Ger)**

SURGERY

Sebaceous gland carcinoma of the lid. Khalil MK, et al. **Can J Ophthalmol** 1980 Jul;15(3):117–21

Sebaceous carcinoma of the eyelid. Dixon RS, et al. **J Am Acad Dermatol** 1980 Sep;3(3):241–3

Carcinoma of sebaceous glands on the head and neck. A report of four cases. Mellette JR, et al. **J Dermatol Surg Oncol** 1981 May;7(5):404–7

THERAPY

[Nevus sebaceous: treatment with argon laser] Ginsbach G. **Hautarzt** 1980 Jun;31(6):338–9 **(Ger)**

ULTRASTRUCTURE

[Electron microscopic studies on pilosebaceous apparatus. 2nd report. Comparative studies of sebaceous nevus with normal sebaceous gland, with special reference to the sebaceous lipogenesis (author's transl)] Uchihira N. **Nippon Hifuka Gakkai Zasshi** 1980;90(12):1103–12 **(Jpn)**

VETERINARY

Surgical removal of uropygial gland tumor in budgerigars. Wise RD. **VM SAC** 1980 Oct;75(10):1601–4

SEBACEOUS GLANDS

[Fordyce's disease as a late complication of Denig's plasty] Morán M, et al. **Cesk Oftalmol** 1980 Jul;36(4):260–3 (Eng. Abstr.) **(Cze)**

ABNORMALITIES

Sebaceous glands in the esophagus. Salgado JA, et al. **Gastrointest Endosc** 1980 Nov;26(4):150

ANATOMY & HISTOLOGY

Dermatopathology in historical perspective. Skin diseases elucidated by anatomic investigation. Description of normal skin by Dr. Gustav Simon. Simon G. **Am J Dermatopathol** 1980 Spring;2(1):33–5

CYTOLOGY

Is sebosuppression by cimetidine an antiandrogenic effect? Gloor M, et al. **Acta Derm Venereol (Stockh)** 1981; 61(3):262–4

DRUG EFFECTS

Inhibitory effects of 13-cis-retinoic acid on human sebaceous glands. Landthaler M, et al. **Arch Dermatol Res** 1980; 269(3):297–309

The effect of sexual hormones on the lipid and proteinaceous secretion of the rat preputial sebaceous gland. Mesquita-Guimarães J, et al. **Arch Dermatol Res** 1981; 270(3):325–31

Influence of cyproterone acetate and estradiol on cell kinetics in the sebaceous gland of the golden hamster ear. Wirth H, et al. **Arch Dermatol Res** 1980;268(3):277–81

Failure of benzoyl peroxide to decrease sebaceous gland secretion in acne. Goldstein JA, et al. **Dermatologica** 1981; 162(4):287–91

On the influence of X-ray irradiation and photochemotherapy with 8-methoxypsoralen on the sebaceous gland of the Syrian hamster ear. Wirth H, et al. **Dermatologica** 1981;162(5):321–6

Differential effect of 13-cis-retinoic acid and an aromatic retinoid (Ro 10-9359) on the sebaceous glands of the hamster flank organ. Gomez EC. **J Invest Dermatol** 1981 Jan;76(1):68–9

Sebaceous gland differentiation: III. The uses and limitations of freshly isolated mouse preputial gland cells for the in vitro study of hormone and drug action. Wheatley VR, et al. **J Invest Dermatol** 1981 Apr;76(4):293–6

Role of vitamin C on the uropygial gland function in juvenile pigeons. Maiti BR, et al. **Z Mikrosk Anat Forsch** 1980; 94(2):269–72

[Effects of the aromatic retinoid Ro 10-9359 and of 13-cis retinoic acid Ro 4-3780 on the size of sebaceous glands in the Syrian hamster] Plewig G. **Arch Dermatol Res** 1980; 268(3):239–46 **(Ger)**

ENZYMOLOGY

Involvement of a thioesterase in the production of short-chain fatty acids in the uropygial glands of mallard ducks (Anas platyrhynchos). De Renobales M, et al. **Arch Biochem Biophys** 1980 Dec;205(2):464–77

Amino acid sequences containing cysteine or half-cystine residues in beta-glucuronidase. Leighton PH, et al. **Aust J Biol Sci** 1980 Oct;33(5):513–20

Peroxidase activity in the rat Zymbal gland and its possible role in the metabolic activation of aminostilbenes in the target tissue. Osborne JC, et al. **Cancer Lett** 1980 Jan; 8(3):221–6

Phosphofructokinase from a mouse preputial gland tumour ESR-586. Geursen A, et al. **Int J Biochem** 1980;12(3):433–7

Studies on the alpha-L-iduronidase activity of beta-glucuronidase preparations from bovine liver, rat liver, and rat preputial gland. Kosaka H, et al. **J Biochem (Tokyo)** 1980 Jul;88(1):69–75

Hamster flank organ hydrolase and lipase activity. Gulbenkian A, et al. **J Invest Dermatol** 1980 Oct; 75(4):289–92

METABOLISM

Inhibition of testosterone metabolism and lipogenesis in animal sebaceous glands by progesterone. Girard J, et al. **Arch Dermatol Res** 1980;269(3):281–90

Antibodies against estradiol-binding lysosomal lipoproteins gain access to the nuclear compartment of preputial gland cells under estrogen influence. Nazareno MB, et al. **Endocrinology** 1981 Apr;108(4):1156–63

Selective binding of prostaglandin F2 alpha to membrane fractions enriched in 5-nucleotidase, Ca^{2+}-ATPase, and Mg^{2+}-(Na^{+} + K^{+})ATPase. Tóth M, et al. **Endocrinology** 1981 Jul;109(1):106–12

MICROBIOLOGY

The relationship between bacteria and the abnormal follicular keratinization in acne vulgaris. Lavker RM, et al. **J Invest Dermatol** 1981 Sep;77(3):325–30

PARASITOLOGY

Demodectic mite on an extremity [letter] Vance JC. **Arch Dermatol** 1981 Aug;117(8):452

PATHOLOGY

Sebaceous differentiation in adenoid cystic carcinoma of the parotid gland. Cramer SF, et al. **Cancer** 1980 Sep 15; 46(6):1405–10

Functional familial sebaceous hyperplasia of the face. Reverse of the Cunliffe acne-free naevus? Its inclusion among naevoid sebaceous receptor diseases. Dupre A, et al. **Clin Exp Dermatol** 1980 Jun;5(2):203–7

[The infundibular adenoma: a follicular poroma with sebaceous and apocrine differentiation (author's transl)] Grosshans E, et al. **Ann Dermatol Venereol** 1981; 108(1):59–66 (Eng. Abstr.) **(Fre)**

[Fordyce's spots: disease, heterotopia or adenoma? Histological and ultrastructural study] Monteil RA. **J Biol Buccale** 1981 Jun;9(2):109–28 (Eng. Abstr.) **(Fre)**

[Otophyma and blepharophyma – two rare forms of sebaceous gland hyperplasia] Hook B, et al. **Z Hautkr** 1980 Aug 1;55(15):1009–20 **(Ger)**

PHYSIOLOGY

Dustbathing behaviour of uropygial gland extirpated domestic hens. Effects of dust deprivation. Nørgaard-Nielsen G, et al. **Acta Vet Scand** 1981; 22(1):118–28

Formation of stimulus-induced vacuoles in serous cells of tracheal submucosal glands. Mills JW, et al. **Am J Physiol** 1981 Jul;241(1):C18–24

Possible mechanisms of stimulus-induced vacuolation in

serous cells of tracheal secretory glands. Quinton PM. **Am J Physiol** 1981 Jul;241(1):C25–32

Effects of skin extract on sebaceous gland function in the rat. Eberhardt H, et al. **Arch Dermatol Res** 1980; 268(1):15–21

Effects of flank glandectomy of the female hamster (Mesocricetus auratus) upon the sexual behavior of the male hamster. Flórez–Lozano JA, et al. **Behav Neural Biol** 1980 Jul;29(3):399–404

Is sebaceous gland hypertrophy in the newborn androgen induced? McKiernan JF, et al. **Early Hum Dev** 1981 Jul; 5(3):311–5

SECRETION

Sebaceous glands in uninvolved skin of patients suffering from atopic dermatitis. Wirth H, et al. **Arch Dermatol Res** 1981;270(2):167–9

Sebaceous gland suppression in female acne patients by combined glucocorticoid–oestrogen therapy. Saihan EM, et al. **Br J Dermatol** 1980 Aug;103(2):139–42

Effect of alpha–melanocyte–stimulating hormone and ovarian steroids on preputial gland function in the female rat. Donohoe SM, et al. **J Endocrinol** 1981 Jul;90(1):53–8

Effect of ovariectomy at birth on the regulation of sebaceous glands in rats. Toh YC. **J Endocrinol** 1980 Jul;86(1):179–82

Responses of male hamsters to the ear gland secretions of conspecifics. Landauer MR, et al. **Physiol Behav** 1980 Jun; 24(6):1023–6

[Oral zinc therapy and sebaceous gland secretion (author's transl)] Wirth H, et al. **Z Hautkr** 1981 Apr 1;56(7):447–51 (Eng. Abstr.) **(Ger)**

ULTRASTRUCTURE

Ultrastructural and gas–chromatographic analysis of the preputial glands of male nude (nu/nu) mice. Ikenberry RD, et al. **Cell Tissue Res** 1980;211(1):73–82

[Electron microscopic studies on pilosebaceous apparatus. 2nd report. Comparative studies of sebaceous nevus with normal sebaceous gland, with special reference to the sebaceous lipogenesis (author's transl)] Uchihira N. **Nippon Hifuka Gakkai Zasshi** 1980;90(12):1103–12 **(Jpn)**

SEBORRHEA

CHEMICALLY INDUCED

Seborrheic dermatitis–like eruption caused by cimetidine [letter] Kanwar AJ, et al. **Arch Dermatol** 1981 Feb; 117(2):65–6

COMPLICATIONS

Acne: possibilities and probabilities. Shuster S. **Acta Derm Venereol [Suppl] (Stockh)** 1980;Suppl 89:33–8

[Secondary cutaneous amyloidosis localized in seborrheic keratosis] Quiñones PA, et al. **Actas Dermosifiliogr** 1980 Jul–Aug;71(7–8):283–6 **(Spa)**

DRUG THERAPY

Infantile flexural seborrhoeic dermatitis. Neither biotin nor essential fatty acid deficiency. Erlichman M, et al. **Arch Dis Child** 1981 Jul;56(7):560–2

Seborrheic dermatitis and rosacea. Richardson DP. **Compr Ther** 1981 Jan;7(1):57–60

Safety and efficacy of clocortolone pivalate 0.1 percent cream in the treatment of atopic dermatitis, contact dermatitis, and seborrheic dermatitis. Nierman MM. **Cutis** 1981 Jun; 27(6):670–1 (11 ref.)

Therapeutic contribution of pyrodoxine pyrrolidinecarboxylate. (Notes on antiseborrheic treatment). Ghittoni S, et al. **Ital Gen Rev Dermatol** 1978 Jan–Apr;15(1):39–61

ENZYMOLOGY

Acid glycosidases in basal cell epithelioma and in seborrhoeic keratosis. De Bersagues J. **Br J Dermatol** 1981 Feb; 104(2):147–51

ETIOLOGY

Bile duct adenocarcinoma with Leser–Trelat sign and pure red blood cell aplasia. Lee CH, et al. **Cancer** 1980 Oct 1;46(7):1657–60

[The Leser–Trélat symptom: report of two cases (author's transl)] Lambert D, et al. **Ann Dermatol Venereol** 1980; 107(11):1035–41 (22 ref.) (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

A comparative study of seborrheic keratoses and basal cell epitheliomas by complement immunofluorescence and electron microscopy. Kimura S, et al. **Acta Derm Venereol (Stockh)** 1980;60(3):203–7

[In vitro blastogenic response of lymphocytes in pityriasis capitis and dermatitis seborrheica (using PHA–mitogen, Pityrosporum ovale and bacteria)] Vignale RA, et al. **Med Cutan Iber Lat Am** 1981;9(1):41–4 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Qualitative and quantitative investigations on the resident bacterial skin flora in healthy persons and in the non–affected skin of patients with seborrheic Eczema. Höffler U, et al. **Arch Dermatol Res** 1980;268(3):297–312

PATHOLOGY

A tridimensional view of seborrheic keratosis. Wilborn WH, et al. **Scan Electron Microsc** 1980;(3):485–94

[Seborrheic acantholytic keratosis] Pérez–Oliva N, et al. **Actas Dermosifiliogr** 1980 Jul–Aug;71(7–8):267–8 (Eng. Abstr.) **(Spa)**

THERAPY

Management of the ear canal seborrhea with cerumen. Storrs LA. **Laryngoscope** 1981 Aug;91(8):1231–3

SEBUM

ANALYSIS

P. acnes and the chemistry of sebum. Schaefer H, et al. **Acta Derm Venereol [Suppl] (Stockh)** 1980;Suppl 89:23–6

[Lipid peroxide in sebum––analytical methods and promoting factors on lipid peroxide formation under UVA irradiation (author's transl)] Yoshino K. **Nippon Hifuka Gakkai Zasshi** 1980;90(12):1081–7 **(Jpn)**

DRUG EFFECTS

Sebum production and plasma testosterone levels in man after high–dose medroxyprogesterone acetate treatment and androgen administration. Novak E, et al. **Acta Endocrinol (Copenh)** 1980 Oct;95(2):265–70

METABOLISM

Differences in the lipid constituents of sebum from pre–pubertal and pubertal subjects. Sansone–Bazzano G, et al. **Br J Dermatol** 1980 Aug;103(2):131–7

[Electron microscopic studies on pilosebaceous apparatus. 2nd report. Comparative studies of sebaceous nevus with normal sebaceous gland, with special reference to the sebaceous lipogenesis (author's transl)] Uchihira N. **Nippon Hifuka Gakkai Zasshi** 1980;90(12):1103–12 **(Jpn)**

SECRETION

Effects of skin extract on sebaceous gland function in the rat. Eberhardt H, et al. **Arch Dermatol Res** 1980; 268(1):15–21

Sebum levels during the first year of life. Agache P, et al. **Br J Dermatol** 1980 Dec;103(6):643–9

An analysis of sebum excretion rate, bacterial population and the production rate of free fatty acids on human skin. Cove JH, et al. **Br J Dermatol** 1980 Oct;103(4):383–6

Effect of topical 17 alpha propyltestosterone on sebum excretion in man. Lyons F, et al. **Br J Dermatol** 1981 Jun; 104(6):685–6

Combined effects of neonatal thyroxine treatment and neonatal castration on sebum production in adult male rats. Toh YC. **J Endocrinol** 1981 May;89(2):225–8

A modified photometric technique for measuring sebum excretion rate. Cunliffe WJ, et al. **J Invest Dermatol** 1980 Nov;75(5):394–8

[Absence of a sebum–stimulating effect of a shampoo based on saponins from Panama bark––Study in the hamster] Andermann G, et al. **Pharm Acta Helv** 1981;56(7):194–7 (Eng. Abstr.) **(Ger)**

[Increased sebum secretion due to oral administration of zinc sulfate] Floersheim GL, et al. **Schweiz Med Wochenschr** 1980 Aug 23;110(34):1250–4 (Eng. Abstr.) **(Ger)**

SECLAZONE see under **OXAZINES**

SECOBARBITAL

Influence of secobarbital and alpha–chloralose, and of vagal and sympathetic interruption, on left ventricular activation after acute coronary artery occlusion in the dog. Ruffy R, et al. **Circ Res** 1981 Jun;48(6 Pt 1):884–94

Tuinal as a drug of abuse. Dymock RB, et al. **Med J Aust** 1980 Aug 23;2(4):214–5

ADMINISTRATION & DOSAGE

Electrophysiologic studies of a combination of secobarbital and dibucaine for euthanasia of dogs. Wallach MB, et al. **Am J Vet Res** 1981 May;42(5):850–3

ADVERSE EFFECTS

Barbiturates and lung cancer in humans. Friedman GD. **JNCI** 1981 Aug;67(2):291–5

ANALOGS & DERIVATIVES

Gas chromatographic properties of 1,3–dialkyl barbiturate derivatives. Budd RD. **Clin Toxicol** 1980 Oct;17(3):375–82

PHARMACODYNAMICS

Choice between food and heroin: effects of morphine, naloxone, and secobarbital. Griffiths RR, et al. **J Exp Anal Behav** 1981 May;35(3):335–51

Inhibitory action of the combination of aminopyrine and secobarbital on EEG activation, neocortical recruiting and augmenting responses in rabbits. Sugikawa M, et al. **Jpn J Pharmacol** 1980 Jun;30(3):309–16

Time–course effects of two barbiturates on cardiovascular activity and temperature in the squirrel monkey. Byrd LD. **Life Sci** 1980 Sep 15;27(11):935–42

Prevention of barbiturate–mediated increases of rat hepatic ornithine decarboxylase and delta–aminolevulinic acid synthetase activities by nicotinic acid and nicotinamide. Wagner KA, et al. **Life Sci** 1980 Dec 22–29; 27(25–26):2611–4

Human social conversation: effects of ethanol, secobarbital and chlorpromazine. Stitzer ML, et al. **Pharmacol Biochem Behav** 1981 Mar;14(3):353–60

Dose effects of secobarbital in a Sternberg memory scanning task. Williams HL, et al. **Psychopharmacology (Berlin)** 1981; 72(2):161–5

POISONING

Intraarterial secobarbital: muscle injury evaluated by electrodiagnosis in four cases. Taylor RG, et al. **Arch Phys Med Rehabil** 1980 Nov;61(11):532–6

TOXICITY

Toxicity of sedative and hypnotic drugs [letter] **Lancet** 1981 Mar 14;1(8220 Pt 1):611

SECOND OPINION see **REFERRAL AND CONSULTATION**

SECOSTEROIDS

CHEMICAL SYNTHESIS

A new procedure for the formation of isotachysterol derivatives of subnanomole quantities of ergocalciferol, cholecalciferol and its metabolites prior to gas liquid chromatography. Seamark DA, et al. **J Steroid Biochem** 1980 Sep;13(9):1057–63

PHARMACODYNAMICS

Linkage of an acetylenic secosteroid suicide substrate to the active site of delta 5–3–ketosteroid isomerase. Isolation and characterization of a tetrapeptide. Penning TM, et al. **J Biol Chem** 1981 Jul 10;256(13):6851–8

Irreversible inactivation of delta 5–3–ketosteroid isomerase of Pseudomonas testosteroni by acetylenic suicide substrates. Mechanism of formation and properties of the steroid–enzyme adduct. Penning TM, et al. **J Biol Chem** 1981 Jul 10;256(13):6842–50

SECRETIN

ADMINISTRATION & DOSAGE

Urinary PABA recovery after oral N–benzoyl–L–tyrosyl–PABA administration combined with various exocrine pancreatic stimulants. Cavallini G, et al. **Hepatogastroenterology** 1980 Jun;27(3):224–6

Effects of chronic administration of gastrointestinal hormones on the pancreas. Kern HF. **Hepatogastroenterology** 1980 Oct;27(5):407–10 (29 ref.)

[Prevention of stress ulcers with synthetic depot secretin] Theisinger W, et al. **Med Klin** 1981 May 8;76(10):291–3 (Eng. Abstr.) **(Ger)**

ANALYSIS

Immunocytological evidence of motilin– and secretin–containing cells in the human fetal gastro–entero–pancreatic system. Leduque P, et al. **Cell Tissue Res** 1981;218(3):519–27

Isolation and amino acid sequence of bovine secretin. Carlquist M, et al. **FEBS Lett** 1981 May 5;127(1):71–4

In situ silylation of an octadecylsilyl–silica stationary phase applied to the analysis of peptides, such as secretin and glucagon. Olieman C, et al. **J Chromatogr** 1981 Mar 27; 207(3):421–4

Secretin immunoreactivity in rat and pig brain. Charlton CG, et al. **Peptides (Fayetteville)** 1981;2 Suppl 1:45–9

Measurement of secretin in the mucosa of digestive tract by radioimmunoassay. Koizumi F, et al. **Tohoku J Exp Med** 1980 Aug;131(4):339–46

[Gastrointestinal hormones during pregnancy––immunoreactive secretin and gastrin in serum and fetal tissue (author's transl)] Miyagami J, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Jan;32(1):19–26 (Eng. Abstr.) **(Jpn)**

ANTAGONISTS & INHIBITORS

A small dose of somatostatin inhibits the secretin stimulated secretion of bicarbonate, amylase, and chymotrypsin in man. Vatn MH, et al. **J Endocrinol Invest** 1980 Jul–Sep; 3(3):279–82

BLOOD

Gastroenteropancreatic hormonal changes during exercise. Hilsted J, et al. **Am J Physiol** 1980 Sep;239(3):G136–40

Special problems of the radioimmunoassay for gut hormones. Straus E. **Clin Gastroenterol** 1980 Sep;9(3):555–65 (23 ref.)

Plasma secretin concentrations and gastric pH in healthy subjects and patients with digestive diseases. Rominger JM, et al. **Dig Dis Sci** 1981 Jul;26(7):591–7

Effect of sodium oleate on plasma secretin concentration and

pancreatic secretion in dog. Faichney A, et al. **Gastroenterology** 1981 Sep;81(3):458–62

Effect of intraduodenal instillation of 1-phenyl-1-hydroxy-n-pentane on pancreatic exocrine secretions and immunoreactive secretion release in the rat. Otsuki M, et al. **Horm Metab Res** 1981 Feb;13(2):80–4

A re-examination of circulating gastrin and secretin levels in the human newborn. McKiernan J, et al. **Ir J Med Sci** 1981 Feb;150(2):33–7

Patterns of acid-induced release endogenous immunoreactive secretin in children with cystic fibrosis and recurrent pain. McKiernan J, et al. **Ir J Med Sci** 1981 Mar;150(3):66–8

Plasma levels of gastrin and secretin in infants and children with common gastrointestinal disorders. McKiernan J. **Ir Med J** 1981 Mar;74(3):89–90

The effect of duodenal infusion of graded doses of HCL on plasma secretin and vasoactive intestinal polypeptide (VIP), and on duodenal bicarbonate secretion in man. Lygren I, et al. **Mater Med Pol** 1980;12(4):223–8

24-Hour plasma secretin level and pancreatic secretion in dog. Lee KY, et al. **Peptides (Fayetteville)** 1980 Summer; 1(2):155–8

The effect of duodenal infusion of bile on plasma VIP, GIP, and secretin and on duodenal bicarbonate secretion. Burhol PG, et al. **Scand J Gastroenterol** 1980;15(8):1007–11

Plasma concentration of secretin and gastric secretion following intraduodenal calcium infusion in man. Valnes K, et al. **Scand J Gastroenterol** 1980;15(7):881–5

The effect of insulin-induced hypoglycaemia on serum group I pepsinogens, serum gastrin, and plasma secretin and on gastric H+ and pepsin outputs. Waldum HL, et al. **Scand J Gastroenterol** 1980;15(3):259–66

Secretin and pancreatic bicarbonate secretion in man. Schaffalitzky de Muckadell OB. **Scand J Gastroenterol [Suppl]** 1980;15 Suppl 61:1–20 (101 ref.)

Plasma secretin level and exocrine pancreatic secretion in response to intraduodenal infusion of 1-phenyl-1-hydroxy-n-pentane and HCl by using a new four lumen tube. Endo K, et al. **Tohoku J Exp Med** 1980 Aug;131(4):363–71

Effect of duodenal acidification on the lower esophageal sphincter pressure in the dog with special reference to related gastrointestinal hormones. Hongo M, et al. **Tohoku J Exp Med** 1980 Jul;131(3):215–9

[Fundamental studies on secretin-radioimmunoassay kit method and the results of its clinical application (author's transl)] Narasaki Y, et al. **Horumon To Rinsho** 1980 Oct; 28(10):1211–5 **(Jpn)**

[RIA of serum secretin in gastrointestinal diseases (author's transl)] Takizawa T, et al. **Horumon To Rinsho** 1981 Jan; 29(1):133–7 **(Jpn)**

[Radioimmunoassay of secretin using ethanol extraction method of plasma. Changes of plasma secretin levels after test meal (author's transl)] Watanabe S, et al. **Nippon Shokakibyo Gakkai Zasshi** 1980 Jul;77(7):1123 **(Jpn)**

DIAGNOSTIC USE

Pancreatic ascites. Intraoperative localization of the pancreatic fistula. Eldrup J, et al. **Acta Chir Scand** 1980; 146(4):301–2

Hypotonic duodenography and secretin-CCK test in the diagnosis of pancreatic disease. Lukes PJ, et al. **Acta Radiol [Diagn] (Stockh)** 1981;22(1):31–7

Assessment of the secretin provocation test in the diagnosis of gastrinoma. Primrose JN, et al. **Br J Surg** 1980 Oct; 67(10):744–6

Secretin provocation tests [letter] Sanders DJ, et al. **Br J Surg** 1981 Mar;68(3):217

The action of somatostatin on intestinal alkaline phosphatase stimulated by secretin and cholecystokinin-pancreozymin. Bayer PM, et al. **Clin Chim Acta** 1980 Nov 20;108(1):129–34

Serum gastrin response to secretin after vagotomy. Feldman M, et al. **Dig Dis Sci** 1980 Dec;25(12):921–3

A comparative evaluation of endoscopic retrograde cholangiopancreatography and the secretin-cholecystokinin test in the diagnosis of chronic pancreatitis: a multicentre study in 124 patients. Valentini M, et al. **Endoscopy** 1981 Mar;13(2):64–7

The use of Boot's secretin in the secretin stimulation test [letter] Gogel HK, et al. **Gastroenterology** 1980 Oct; 79(4):773–4

Secretin injection test in the diagnosis of gastrinoma [letter] Lamers CB, et al. **Gastroenterology** 1981 Jun;80(6):1615–6

Secretin injection test in the diagnosis of gastrinoma. McGuigan JE, et al. **Gastroenterology** 1980 Dec; 79(6):1324–31

Effect of secretin on parathyroid hormone and calcitonin secretion. Sethi R, et al. **J Clin Endocrinol Metab** 1981 Jul;53(1):153–7

Calcitonin and secretin inhibit bombesin-stimulated serum gastrin and gastric acid secretion in man. Jansen JB, et al. **Regul Pept** 1981 Mar;1(6):415–21

[Significance of the correction of aspirated volumes for the results of the secretin-pancreozymin test (author's transl)] Staud R, et al. **Z Gastroenterol** 1980 Sep;18(9):474–7 (Eng. Abstr.) **(Ger)**

[Comparative studies using the secretin, pancreozymin and Lundh tests] Pap A, et al. **Orv Hetil** 1981 Mar 15; 122(11):623–8 **(Hun)**

[Studies on pure pancreatic juice of a patient with normal pancreas and a patient with pancreatic hypofunction in response to graded doses of secretin (author's transl)] Kawai K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Jan;78(1):65–70 (Eng. Abstr.) **(Jpn)**

[The interrelationships of pancreatic enzymes in the pancreozymin secretin test (PS-test)--the diagnostic value of estimating pancreatic enzymes in addition to amylase (author's transl)] Kinugasa K, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Feb;78(2):246–53 (Eng. Abstr.) **(Jpn)**

[A study of gastrin release on secretin provocation test -- special reference to the stage of gastric and duodenal ulcer (author's transl)] Shiratori K. **Nippon Shokakibyo Gakkai Zasshi** 1980 Nov; 77(11):1725–32 (Eng. Abstr.) **(Jpn)**

[The secretin-pancreozymin test in patients with cholelithiasis] Kaszuba-Goluch Z. **Pol Arch Med Wewn** 1981 Apr;65(4):277–85 (Eng. Abstr.) **(Pol)**

[Pancreatic function in cholepathies in children] Motina IA. **Pediatriia** 1981 Apr;(4):71–3 **(Rus)**

[Use of the intestinal hormones, secretin and pancreozymin, studying exocrine pancreas function in older persons] Tereshchenko VP, et al. **Ter Arkh** 1981;53(2):48–51 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Autoantibodies to duodenal gastric-inhibitory-peptide (GIP) cells and to secretin (S) cells in patients with coeliac disease, tropical sprue and maturity-onset diabetes. Mirakian R, et al. **Clin Exp Immunol** 1980 Jul;41(1):33–42

[The pathophysiological studies on the anaphylactoid skin reaction after intradermal administration of secretin for peptic ulcer patients (author's transl)] Watanabe Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Jan;78(1):1–8 (Eng. Abstr.) **(Jpn)**

ISOLATION & PURIFICATION

Isolation and characterization of chicken secretin. Nilsson A, et al. **Eur J Biochem** 1980 Nov;112(2):383–8

METABOLISM

Importance of the amino acid in position 15 of VIP and secretin in influencing their interactions with membrane receptors on pancreatic acinar cells. Gardner JD, et al. **Endocrinol Jpn** 1980 Dec;27 Suppl 1:1–5

Dose-dependent, and long-lasting, effects of repeated intravenous injections of calcium on the canine secretin-stimulated pancreatic juice secretion. Noel-Jorand MC, et al. **Eur J Clin Invest** 1981 Feb;11(1):25–31

Behavior of secretion in the hypoxia-immobilisation stress on the rat. Lauterbach HH, et al. **Eur Surg Res** 1980; 12(2):103–7

Mucosal secretin content in postmortem tissues. Straus E, et al. **Lab Invest** 1981 Feb;44(2):97–8

Renal handling of secretin in dogs: free and stop flow analyses. Naruse S. **Metabolism** 1980 Dec;29(12):1237–41

PHARMACODYNAMICS

Immunoglobulin concentrations in the duodenal fluids of infants and children. II. The effect of pancreozymin and secretin. Lebenthal E, et al. **Am J Gastroenterol** 1981 Jun; 75(6):436–9

Secretin is an enterogastrone in the dog. Chey WY, et al. **Am J Physiol** 1981 Mar;240(3):G239–44

Hormone-stimulated release of pancreatic polypeptide before and after vagotomy in dogs. Guzman S, et al. **Am J Physiol** 1981 Feb;240(2):G114–21

Effects of porcine secretin on exocrine and endocrine function in the isolated perfused rat pancreas. Otsuki M, et al. **Am J Physiol** 1981 Jul;241(1):G43–8

Effect of atropine on pancreatic response to HCl and secretin. Singer MV, et al. **Am J Physiol** 1981 May;240(5):G376–80

Hormonal stimulation of cAMP-dependent protein kinase in rat pancreas. Holian O, et al. **Biochem Biophys Res Commun** 1980 Jul 31;95(2):553–61

Factors affecting the voluntary intake of food by sheep. 3. The effect of intravenous infusions of gastrin, cholecystokinin and secretin on motility of the reticulo-rumen and intake. Grovum WL. **Br J Nutr** 1981 Jan;45(1):183–201

Secretin-stimulated trypsin-like immunoreactivity in alcoholics. Vezzadini P, et al. **Clin Chim Acta** 1981 Apr 9;111(2-3):163–7

Effect of secretin on pancreatic duct pressure, resistance to pancreatic flow, and duodenal motor activity in the dog. DiMagno EP, et al. **Dig Dis Sci** 1981 Jan;26(1):1–6

Effects of octapeptide-cholecystokinin, secretin, and glucagon on intestinal mucosal growth in parenterally nourished rats. Weser E, et al. **Dig Dis Sci** 1981 May; 26(5):409–16

Effect of secretin on serum trypsin-like immunoreactivity in alcoholics. Ferri GL, et al. **Digestion** 1981;21(1):41–3

Effect of secretin and VIP on isolated pancreatic duct fragments in vitro. Creutzfeldt W, et al. **Endocrinol Jpn** 1980 Dec;27 Suppl 1:59–63

A comparison of secretory actions of VIP, secretin and CCK-PZ in the isolated and perfused kitten pancreas. Kanno T, et al. **Endocrinol Jpn** 1980 Dec;27 Suppl 1:51–7

Stimulatory effect of secretin on pancreatic polypeptide in diabetic patients. Toyota T, et al. **Endocrinol Jpn** 1980 Apr; 27(2):145–7

Incorporation of 3H-2,3-DL-valine into pancreatic proteins of adrenalectomized rats stimulated with pancreozymin-CCK and secretin. Ormai S, et al. **Endokrinologie** 1980 Jun;76(3):371–4

Effects of insulin and gastro-intestinal hormones on feeding and plasma insulin levels in sheep. Anil MH, et al. **Horm Metab Res** 1980;12(6):234–6

Influence of gastrointestinal hormones on human salivary secretion. Malfertheiner P, et al. **Horm Metab Res** 1980 Sep;12(9):485

Secretin and VIP-stimulated adenylate cyclase from rat heart. I. General properties and structural requirements for enzyme activation. Chatelain P, et al. **Pfluegers Arch** 1980 Dec;389(1):21–7

Secretin and VIP-stimulated adenylate cyclase from rat heart. II. Impairment in spontaneous hypertension. Chatelain P, et al. **Pfluegers Arch** 1980 Dec;389(1):29–35

Regulation by secretin, vasoactive intestinal peptide, and somatostatin of cyclic AMP accumulation in cultured brain cells. van Calker D, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6907–11

Effect of secretin on intestinal lymph flow and composition in the rat. Lawrence JA, et al. **Q J Exp Physiol** 1981 Jul; 66(3):297–305

Response of the exocrine pancreas to graded doses of secretin in calcium-treated and normal dogs. Noel-Jorand MC, et al. **Regul Pept** 1981 Jun;2(3):181–91

The diuretic effect of secretin in man. Waldum HL, et al. **Scand J Clin Lab Invest** 1980 Jun;40(4):381–7

The effect of secretin on renal haemodynamics in man. Waldum HL, et al. **Scand J Clin Lab Invest** 1980 Sep; 40(5):475–8

The effect of secretin on serum group I pepsinogens (PG I) in man. Waldum HL, et al. **Scand J Gastroenterol** 1980; 15(3):273–6

Serum immunoreactive trypsin after secretin stimulation in chronic pancreatitis. Vezzadini P, et al. **Scand J Gastroenterol [Suppl]** 1980;15 Suppl 62:29–34

Further studies on the effect of cholecystokinin and secretin on the content of cyclic AMP, cyclic GMP, protein and calcium in pure pancreatic juice of dogs. Singer MV, et al. **Z Gastroenterol** 1980 May;18(5):265–73

[Behavior of cellular cyclic nucleotides after hydrokinetic or ecbolic stimulation of the canine pancreas] Teufel H, et al. **Hoppe Seylers Z Physiol Chem** 1981 May; 362(5):481–97 (Eng. Abstr.) **(Ger)**

[The influence of exogenous cyclic nucleotides and theophylline on the hydrokinetic and ecbolic function of the isolated perfused canine pancreas (author's transl)] Teufel H, et al. **Hoppe Seylers Z Physiol Chem** 1981 May; 362(5):469–79 (Eng. Abstr.) **(Ger)**

[The secretion of adenosin 3',5'-monophosphate after hydrokinetic and ecbolic stimulation in the canine pancreas (author's transl)] Teufel H, et al. **Hoppe Seylers Z Physiol Chem** 1981 May;362(5):499–510 (Eng. Abstr.) **(Ger)**

[Effectiveness of cimetidine, pirenzepine and synthetic secretin on stimulated gastric acid secretion] Londong W, et al. **Z Gastroenterol** 1980 Jun;18(6):306–13 (Eng. Abstr.) **(Ger)**

[Variations of electrolytes in pancreatic juice and in blood of dogs in response to constant hormonal stimulation] Palasciano G, et al. **Boll Soc Ital Biol Sper** 1979 Sep 30; 55(18):1847–51 (Eng. Abstr.) **(Ita)**

[Variations of chlorides and bicarbonates in pancreatic juice in response to increasing doses of secretin and cholecystokinin] Salerno MT, et al. **Boll Soc Ital Biol Sper** 1979 Sep 30;55(18):1852–8 (Eng. Abstr.) **(Ita)**

[Effect of secretion on the exocrine and endocrine pancreas Part V: Pancreatic exocrine and endocrine responses to secretion in rats in vivo and in vitro (author's transl)] Sakamoto C, et al. **Nippon Naibunpi Gakkai Zasshi** 1980 Nov;56(11):1548–58 (Eng. Abstr.) **(Jpn)**

[Effect of secretin on gastrointestinal motor activity. A study on initiation of duodenal secretin-induced migrating motor complexes (author's transl)] Nishioka T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1980 Dec;77(12):1879–89 (Eng. Abstr.) **(Jpn)**

[The role of pancreozymin and secretin on pancreatic enzyme synthesis and secretion in the rat (author's transl)] Taniguchi E. **Nippon Shokakibyo Gakkai Zasshi** 1980 Aug; 77(8):1257–65 (Eng. Abstr.) **(Jpn)**

[Role of 'secondary transmitters' in the exocrine function of the pancreas] Domshke V, et al. **Fiziol Zh SSSR** 1981 Mar; 67(3):423–32 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Secretin. Häcki WH. **Clin Gastroenterol** 1980 Sep;9(3):609–32 (153 ref.)

Trophic effects of gastrointestinal hormones. Lankisch PG. **Clin Gastroenterol** 1980 Sep;9(3):773–84 (65 ref.)

Effects of vasoactive intestinal polypeptide (VIP), secretin and gastrin on insulin secretion in the mouse. Ahrén B, et al. **Diabetologia** 1981;20(1):54–9

Pathophysiology of gastrin and secretin. Buchanan KD, et al. **J Clin Pathol [Suppl]** 1978;(8):17–25

The physiological implications of secretin. Wormsley KG. **Scand J Gastroenterol** 1980;15(5):513–7 (43 ref.)

Role of secretin on postprandial gastrin release in the dog: a further study. Kim YC, et al. **Surgery** 1981 Sep;

90(3):504–8

SECRETION

Pancreatic exocrine secretion and immunoreactive secretin release after intraduodenal instillation of 1-phenyl-1-hydroxy-n-pentane and HCl in rats. Otsuki M, et al. **Dig Dis Sci** 1981 Jun;26(6):538–44

Action of pancreatic polypeptide on exocrine pancreas and on release of cholecystokinin and secretin. Lonovics J, et al. **Endocrinology** 1981 May;108(5):1925–30

The effect of glucose on plasma immunoreactive secretin in normal man and after gastrectomy or pancreatectomy. Hanssen LE, et al. **Scand J Gastroenterol** 1980;15(4):471–9

Pure synthetic bile salts release immunoreactive secretin in man. Hanssen LE. **Scand J Gastroenterol** 1980;15(4):461–3

The effect of atropine on secretin release and aspirated bicarbonate secretion after duodenal acidification in man. Hanssen LE. **Scand J Gastroenterol** 1980;15(4):465–9

Exocrine pancreatic secretion and immunoreactive secretin release after repeated intraduodenal infusions of bile in man. Osnes M, et al. **Scand J Gastroenterol** 1980;15(8):1033–9

The influence of intraduodenal administration of pancreatic juice on the bile-induced pancreatic secretion and immunoreactive secretin release in man. Osnes M, et al. **Scand J Gastroenterol** 1980;15(8):1041–7

THERAPEUTIC USE

[Therapy of bleeding mucosal erosion of the stomach with secretin] Becker HD. **Z Gastroenterol** 1980 Jun;18(6):334–6 (Eng. Abstr.) **(Ger)**

[Effect of cimetidine and synthetic secretin as treatment of acute upper gastrointestinal bleeding—a prospective alternate trial (author's transl)] Wagner PK, et al. **Z Gastroenterol** 1980 Jun;18(6):337–41 (Eng. Abstr.) **(Ger)**

SECRETORY COMPONENT see under **IMMUNOGLOBULIN FRAGMENTS**

SECRETORY GRANULES see **CYTOPLASMIC GRANULES**

SECRETORY RATE

DRUG EFFECTS

Non-vasoactive intestinal polypeptide, nonsomatostatin fundic inhibitoy mechanism. Soon-Shiong P, et al. **J Surg Res** 1981 May;30(5):473–77

SECURITY MEASURES

Secure units [editorial] **Br Med J** 1980 Nov 29;281(6253):1446

Four years' experience of an interim secure unit. Higgins J. **Br Med J [Clin Res]** 1981 Mar 14;282(6267):889–93

Health and the law: safety and security. Barnes G. **Dimens Health Serv** 1981 Apr;58(4):18, 20

How to handle a hostage-taking incident. Phillips MS. **Dimens Health Serv** 1981 Apr;58(4):26–7

ORGANIZATION & ADMINISTRATION

Contract security force safeguards large city hospital. **Hospitals** 1981 Jul 16;55(14):178–9

Hospital improves security by employing its own staff. Sachs MS, et al. **Hospitals** 1981 Jul 16;55(14):177–80, 183

SEDATIVES see **HYPNOTICS AND SEDATIVES**

SEDATIVES, NONBARBITURATE

Rapid development of tolerance to the sedative effects of lorazepam and triazolam in rats. File SE. **Psychopharmacology (Berlin)** 1981;73(3):240–5

CHEMICAL SYNTHESIS

A potent, new, sedative--hypnotic agent: 5,7-dihydro-5,5,7,7-tetramethyl-3-(3-nitrophenyl)furo[3,4-4-oxide. Bennett GB, et al. **J Med Chem** 1981 May;24(5):490–6

POISONING

[Diagnosis of acute sedative poisoning] Külpmann WR. **Med Lab (Stuttg)** 1980 Oct;33(10):255–73 **(Ger)**

THERAPEUTIC USE

A clinical study of quazepam in hospitalized patients with insomnia. Uhthoff HK, et al. **J Int Med Res** 1981;9(4):288–91

SEEDS

Alfalfa saponins and alfalfa seeds. Dietary effects in cholesterol-fed rabbits. Malinow MR, et al. **Atherosclerosis** 1980 Nov;37(3):433–8

Nucleotide sequences of wheat-embryo cytosol 5-S and 5.8-S ribosomal ribonucleic acids. Mackay RM, et al. **Eur J Biochem** 1980 Dec;112(3):561–76

Effect of dietary protein and sunflower meal on blood serum cholesterol of dairy heifers. Park CS, et al. **J Dairy Sci** 1980 Sep;63(9):1451–61

Lectin(s) extracted from seeds of Artocarpus integrifolia (jackfruit): potent and selective stimulator(s) of distinct human T and B cell functions. Bunn-Moreno MM, et al. **J Immunol** 1981 Aug;127(2):427–9

Enteritis in sheep due to the ingestion of Inula graveolens Desf (Cape Khakiweed). Schneider DJ, et al. **J S Afr Vet Assoc** 1980 Sep;51(3):159–61

Hageman factor fragment inhibitor in corn seeds: purification and characterization. Hojima Y, et al. **Thromb Res** 1980 Oct 15;20(2):149–62

Toxicity of thornapple (Datura stramonium L) seeds to the pig. Worthington TR, et al. **Vet Rec** 1981 Mar 7;108(10):208–11

Nutritional evaluation of sunflower-seed protein products. Taha FS, et al. **Z Ernaehrungswiss** 1980 Sep;19(3):191–202

[Further investigation of the hypolipidemic effect of rubber seed oil. I. The hypolipidemic effect on experimental hyperlipemia in rats (author's transl)] Liu CR, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980;8(1):60–2 (Eng. Abstr.) **(Chi)**

[Separation of morro or jicaro (Crescentia alata) seeds] Gómez-Brenes RA, et al. **Arch Latinoam Nutr** 1980 Sep;30(3):337–52 (Eng. Abstr.) **(Spa)**

ANALYSIS

Isolation and partial amino acid sequence of the trypsin inhibitor from the seeds of Cucurbita maxima. Polanowski A, et al. **Acta Biochim Pol** 1980;27(3–4):371–82

Proteinase inhibitors from Vigna unguiculata subsp. cylindrica. I. Occurrence of thiol proteinase inhibitors in plants and purification from Vigna unguiculata subsp. cylindrica. Rele MV, et al. **Arch Biochem Biophys** 1980 Oct 1;204(1):117–28

Proteinase inhibitors from Vigna unguiculata subsp. cylindrica. II. Inhibitors of subtilisin and trypsin. Vartak HG, et al. **Arch Biochem Biophys** 1980 Oct 1;204(1):129–33

Proteinase inhibitors from Vigna unguiculata subsp. cylindrica. III. Properties and kinetics of inhibitors of papain, subtilisin, and trypsin. Vartak HG, et al. **Arch Biochem Biophys** 1980 Oct 1;204(1):134–40

Haemagglutinins and lysins in plants and their application in characterising human and animal red cells. Roy S, et al. **Aust J Exp Biol Med Sci** 1981 Apr;59(Pt 2):195–201

The purification and characterization of a third storage protein (convicilin) from the seeds of pea (Pisum sativum L.). Croy RR, et al. **Biochem J** 1980 Nov 1;191(2):509–16

Some studies on the composition and surface properties of oil bodies from the seed cotyledons of safflower (Carthamus tinctorius) and linseed (Linum ustatissimum). Slack CR, et al. **Biochem J** 1980 Sep 15;190(3):551–61

Purification and some properties of a 7S seed storage protein from Pisum (pea). Casey R, et al. **Biochem Soc Trans** 1980 Oct;8(5):658

Purification and properties of an alpha-amylase protein-inhibitor from Arachis hypogaea seeds. Irshad M, et al. **Biochim Biophys Acta** 1981 Jun 15;659(2):326–33

A new mitogenic D-galactosephilic lectin isolated from seeds of the coral-tree Erythrina corallodendron. Comparison with Glycine max (soybean) and Pseudomonas aeruginosa lectins. Gilboa-Garber N, et al. **Can J Biochem** 1981 May;59(5):315–20

Lipid participation in intracellular freezing avoidance mechanisms of lettuce seed. Toivio-Kinnucan MA, et al. **Cryobiology** 1981 Feb;18(1):72–8

Acacia proteinase inhibitors. Purification and properties of the trypsin inhibitors from Acacia elata seed. Kortt AA, et al. **Eur J Biochem** 1981 Apr;115(3):551–7

Purification and some properties of two proteinase inhibitors (DE-1 and DE-3) from Erythrina latissima (broad-leaved erythrina) seed. Joubert FJ, et al. **Hoppe Seylers Z Physiol Chem** 1981 May;362(5):531–8

Germination inhibitors in embryos and endosperms from Pinus pinea seeds. Corvillon E, et al. **Ital J Biochem** 1980 Nov-Dec;29(6):405–11

Distribution and amino acid composition of protein groups located in different histological parts of maize grain. Landry J, et al. **J Agric Food Chem** 1980 Nov-Dec;28(6):1186–91

Comparative study of whole seed protein and starch content via cross polarization-magic angle spinning carbon-13 nuclear magnetic resonance spectroscopy. O'Donnell DJ, et al. **J Agric Food Chem** 1981 May-Jun;29(3):514–8

Isolation and characterization of the major protein fraction of sunflower seeds. Rahma EH, et al. **J Agric Food Chem** 1981 May-Jun;29(3):518–21

Nutritional composition of okra seed meal. Savello PA, et al. **J Agric Food Chem** 1980 Nov-Dec;28(6):1163–6

Survey of North Dakota sunflower seeds for aflatoxin. Casper HH, et al. **J Assoc Off Anal Chem** 1981 Jan;64(1):228–30

Comparison of three methods for determining aflatoxins in sunflower seed meals. Trucksess MW, et al. **J Assoc Off Anal Chem** 1980 Nov;63(6):1357–8

Gas-liquid chromatographic determination of S-[(5-methoxy-2-oxo-1,3,4-thiadiazol-3(2H)-yl)-methyl] phosphorodithioate (Supracide) and its monoxone metabolite in safflower seed, meal, and oil. Winterlin W, et al. **J Assoc Off Anal Chem** 1980 Sep;63(5):1105–8

The reactive site amino acid sequences of silktree (Albizzia julibrissin) seed proteinase inhibitors. Odani S, et al. **J Biochem (Tokyo)** 1980 Aug;88(2):297–391

The composition of acyl lipids and tocopherols in wheat germ oils from various sources. Barnes PJ, et al. **J Sci Food Agric** 1980 Oct;31(10):997–1006

Cycloproprene fatty acids in Gnetum gnemon (L.) seeds and leaves. Berry SK. **J Sci Food Agric** 1980 Jul;31(7):657–62

Condensed proanthocyanidins of fababeans. Cansfield PE, et al. **J Sci Food Agric** 1980 Aug;31(8):802–12

Antifungal properties of 1,3,7-trimethylxanthine, isolated from Coffea arabica. Rizvi SJ, et al. **Naturwissenschaften** 1980 Sep;67(9):459–60

The antibiotic principle of seeds of Moringa oleifera and Moringa stenopetala. Eilert U, et al. **Planta Med** 1981 May;42(1):55–61

Characterization and distribution of soluble and insoluble carbohydrates in lupin seeds. Cerning-Béroard J, et al. **Z Lebensm Unters Forsch** 1980 Oct;171(4):281–5

Chemical and amino acid composition of Iraqi mung beans. Shehata AA, et al. **Z Lebensm Unters Forsch** 1980;171(5):360–2

[Localization of tyrosine residues in histone H1 from wheat embryos] Odintsova TI, et al. **Biokhimiia** 1981 Jan;46(1):162–71 (Eng. Abstr.) **(Rus)**

[Trypsin inhibitor from buckwheat seeds] Pokrovskii SN, et al. **Biokhimiia** 1980 Nov;45(11):2104–10 (Eng. Abstr.) **(Rus)**

[Methods of eliminating alkaloids from the seeds of Lupinus mutabilis Sweet] Torres Tello F, et al. **Arch Latinoam Nutr** 1980 Jun;30(2):200–9 (Eng. Abstr.) **(Spa)**

ANATOMY & HISTOLOGY

A simple technique for the preparation of Acacia and other hard-coated seeds for microscopic examination. Cavanagh AK. **Mikroskopie** 1980 Sep;36(5–6):155–63

CYTOLOGY

Separation of plant cell organelles by zonal centrifugation in reorienting density gradients. Sautter C, et al. **Anal Biochem** 1981 May 1;113(1):179–84

A new approach to isolation and germination of Vicia faba embryos for cytological studies. Pignone D. **Stain Technol** 1981 Jan;56(1):55–6

ENZYMOLOGY

Purification and some properties of the main polymorphic form of acid phosphatase from Poa pratensis seeds. Lorenc-Kubis I, et al. **Acta Biochim Pol** 1980;27(3–4):345–52

Properties of a terminal deoxyribonucleotidyltransferase isolated from wheat germ. Brodniewicz-Proba T, et al. **Biochem J** 1980 Oct 1;191(1):139–45

Peroxidase biosynthesis as part of protein synthesis by cultured peanut cells. Stephan D, et al. **Can J Biochem** 1980 Sep;58(9):715–9

5'-Methylthioadenosine nucleosidase. Purification and characterization of the enzyme from Lupinus luteus seeds. Guranowski AB, et al. **Eur J Biochem** 1981 Feb;114(2):293–9

Regulation of glyoxysomal enzymes during germination of cucumber. Temporal changes in translatable mRNAs for isocitrate lyase and malate synthase. Weir EM, et al. **Eur J Biochem** 1980 Dec;112(3):469–77

Translation of Zea mays endosperm sucrose-synthase mRNA in vitro. Wöstemeyer J, et al. **Eur J Biochem** 1981;114(1):39–44

Occurrence and biosynthesis of glyoxysomal enzymes in ripening cucumber seeds. Frevert J, et al. **Hoppe Seylers Z Physiol Chem** 1980 Oct;361(10):1557–65

A simple method for the recovery of active oligomeric enzyme from its diluted solutions. Joachimiak A, et al. **J Biochem Biophys Methods** 1980 Apr;2(4):227–31

Purification and properties of an aminopeptidase from seeds of Japanese apricot. Ninomiya K, et al. **J Biochem (Tokyo)** 1981 Jan;89(1):193–201

Molecular properties of the enzymic phytohemagglutinin of mung bean. del Campillo E, et al. **J Biol Chem** 1981 Jul 25;256(14):7177–80

Purification and characterization of wheat germ DNA topoisomerase I (nicking-closing enzyme). Dynan WS, et al. **J Biol Chem** 1981 Jun 10;256(11):5860–5

In vitro transcription by wheat germ RNA polymerase II. Initiation of RNA synthesis on relaxed, closed circular template. Dynan WS, et al. **J Biol Chem** 1981 Jun 10;256(11):5866–73

Lipolytic activity of poppy seed. Holasová M, et al. **Nahrung** 1980;24(7):607–13

GROWTH & DEVELOPMENT

Cereal sprouts: composition, nutritive value, food applications. Lorenz K. **CRC Crit Rev Food Sci Nutr** 1980;13(4):353–85 (62 ref.)

Degradation of early synthesized proteins in imbibed dormant and afterripened Agrostemma githago L. embryos. de Klerk GJ. **Dev Biol** 1981 Apr 15;83(1):183–7

Abundance, diversity, and regulation of mRNA sequence sets in soybean embryogenesis. Goldberg RB, et al. **Dev Biol** 1981 Apr 30;83(2):201–17

Developmental regulation of cloned superabundant embryo mRNAs in soybean. Goldberg RB, et al. **Dev Biol** 1981 Apr 30;83(2):218–31

Initiation of nutation in sunflower hypocotyls. Brown AH, et al. **Physiologist** 1980 Dec;23(Suppl 6):S135–6

IMMUNOLOGY

Tn-specific lectins from Lamium. Bird GW, et al. **Clin Lab Haematol** 1981;3(2):169–71

Isolation and characterization of a mitogenic substance for murine and human B lymphocytes from Ulex europeus seeds. Yamaguchi N, et al. **J Immunol** 1981 Jun; 126(6):2290–5

METABOLISM

Stabilization of adenine nucleotide ratios at various values by an oxygen limitation of respiration in germinating lettuce (Lactuca sativa) seeds. Raymond P, et al. **Biochem J** 1980 Jul 15;190(1):39–44

Chromatin replication in a higher plant, Vicia faba. Yakura K, et al. **Biochim Biophys Acta** 1980 Oct 17;609(3):448–55

Diffusion of water in the endosperm tissue of wheat grains as studied by pulsed field gradient nuclear magnetic resonance. Callaghan PT, et al. **Biophys J** 1979 Oct; 28(1):133–41

Malathion exposed seeds of Vigna sinensis (L): changes at protein & nucleic acid levels. Chakrabarti S, et al. **Indian J Exp Biol** 1980 Aug;18(8):896–8

Effect of sodium dodecyl sulfate, acid, alkali, urea and guanidine hydrochloride on the circular dichroism of alpha-globulin of Sesamum indicum L. Prakash V, et al. **Int J Pept Protein Res** 1980 Apr;15(4):305–13

Purification and characterization of mRNA from soybean seeds. Identification of glycinin and beta-conglycinin precursors. Tumer NE, et al. **J Biol Chem** 1981 Aug 25; 256(16):8756–60

MICROBIOLOGY

The synthesis of cytokinin-like substances by coryneform bacteria isolated from the roots of pine seedlings (Pinus silvestris L.). Kampert M, et al. **Acta Microbiol Pol** 1980; 29(2):117–24

Control of microorganisms in the rhizosphere of wheat by inoculation of seeds with Pseudomonas putida and by foliar application of urea. Vraný J, et al. **Folia Microbiol (Praha)** 1981;26(1):45–51

PHYSIOLOGY

Distinctive characteristics of protein synthesis in maize embryos during the early stages of germination. Sanchez de Jimenez E, et al. **Biochem Biophys Res Commun** 1981 Mar 31;99(2):445–50

The effect of tumour sera on the growth of plant tissues. Ruppel HG, et al. **Naturwissenschaften** 1981 May; 68(5):271–2

RADIATION EFFECTS

Effects of 6 MeV proton on dry seeds of chloris distichophylla. Tano S, et al. **Radioisotopes** 1980 Dec; 29(12):599–601

[Effect of radiation on pepper plants and ascorbate oxidase] Maltseva S, et al. **Radiobiologiia** 1980 Sep–Oct;20(5):729–32 (Eng. Abstr.) **(Rus)**

SEGMENTATION STAGE, OVUM see **CLEAVAGE STAGE, OVUM**

SEIZURES

Effects of withdrawal from long-term diphenylhydantoin treatment on audiogenic and maximal electroshock-induced seizures in rats. De Lima TC, et al. **Acta Neurol Scand** 1981 Mar;63(3):189–96

Effect of Ro 4-1284 on audiogenic seizure susceptibility and intensity in epilepsy-prone rats. Jobe PC, et al. **Life Sci** 1981 May 4;28(18):2031–8

Febrile seizures: a consensus of their significance, evaluation, and treatment. Freeman JM. **Pediatrics** 1980 Dec;66(6):1009

BLOOD

Blood serotonin during seizure intervals in untreated epileptics with either partial or grand mal or petit mal seizures. Volanschi D, et al. **Neurol Psychiatr (Bucur)** 1980 Oct–Dec;18(4):241–6

CEREBROSPINAL FLUID

A possible role for aspartic acid in neonatal seizures. Weitz R, et al. **Arch Neurol** 1981 Apr;38(4):258–9

CHEMICALLY INDUCED

Potentiation of noise-induced audiogenic seizure risk by salicylate in mice as a function of salicylate–noise exposure interval. Chen CS, et al. **Acta Otolaryngol (Stockh)** 1980; 90(1–2):61–5

Seizures during tricyclic therapy. Lowry MR, et al. **Am J Psychiatry** 1980 Nov;137(11):1461–2

Seizures induced by acute loxapine overdose. Peterson CD. **Am J Psychiatry** 1981 Aug;138(8):1089–91

Prolonged confusional state and EEG seizure activity following concurrent ECT and lithium use. Weiner RD, et al. **Am J Psychiatry** 1980 Nov;137(11):1452–3

Postoperative seizure activity following enflurane anesthesia. Kruczek M, et al. **Anesthesiology** 1980 Aug;53(2):175–6

Seizures induced by methohexital. Rockoff MA, et al. **Anesthesiology** 1981 Apr;54(4):333–5

Seizure activity associated with enflurane [letter] Wolf S. **Can Anaesth Soc J** 1981 Mar;28(2):185

Changes in brain adenosine during bicuculline-induced seizures in rats. Effects of hypoxia and altered systemic blood pressure. Winn HR, et al. **Circ Res** 1980 Oct; 47(4):568–77

Neurological side effects of lithium: organic brain syndrome, seizures, extrapyramidal side effects, and EEG changes. Ghadirian AM, et al. **Compr Psychiatry** 1980 Sep–Oct; 21(5):327–35 (51 ref.)

Focal and generalized experimental seizures induced by homocysteine. Hammond EJ, et al. **Electroencephalogr Clin Neurophysiol** 1980 Jul; 49(1–2):184–6

Occurrence of cerebral seizures provoked by alcohol abuse. Hillbom ME. **Epilepsia** 1980 Oct;21(5):459–66

Kynurenines and seizures. Lapin IP. **Epilepsia** 1981 Jun; 22(3):257–65

Antagonism of L-glycine to seizures induced by L-kynurenine, quinolinic acid and strychnine in mice. Lapin IP. **Eur J Pharmacol** 1981 May 22;71(4):495–8

Cholinergic kindling of the amygdala requires the activation of muscarinic receptors. Wasterlain CG, et al. **Exp Neurol** 1981 Aug;73(2):595–9

Chlorambucil neurotoxicity: report of two cases. Ammenti A, et al. **Helv Paediatr Acta** 1980 Jul;35(3):281–7

Intracranial hemorrhage and focal seizures secondary to use of L-asparaginase during induction therapy of acute lymphocytic leukemia. Cairo MS, et al. **J Pediatr** 1980 Nov; 97(5):829–33

Aminophylline seizures in the rat. Walker JE. **J Pharm Pharmacol** 1981 Jul;33(7):479–80

Naloxone epileptogenesis in monkeys. Snyder EW, et al. **J Pharmacol Exp Ther** 1981 May;217(2):299–305

Effect of median raphe stimulation on hippocampal seizure discharge induced by carbachol in the rabbit. Nishi H, et al. **Jpn J Pharmacol** 1980 Oct;30(5):759–62

Mianserin and epilepsy [letter] Evans L, et al. **Med J Aust** 1980 Oct 18;2(8):462–3

Kainic acid neurotoxicity and seizures. Zaczek R, et al. **Neuropharmacology** 1981 Feb;20(2):183–9

The benzodiazepines and inosine antagonize caffeine-induced seizures. Marangos PJ, et al. **Psychopharmacology (Berlin)** 1981;72(3):269–73

Seizures: a reaction to contrast media for computed tomography of the brain. Scott WR. **Radiology** 1980 Nov; 137(2):359–61

CLASSIFICATION

A functional classification of seizures and its distribution in a mentally retarded population. Richardson SA, et al. **Am J Ment Defic** 1981 Mar;85(5):457–66

COMPLICATIONS

Bilateral retinal pigment epithelium changes associated with periorbital vitiligo and seizure disorders. Rosenbaum J, et al. **Ann Ophthalmol** 1979 Aug;11(8):1191–3

DIAGNOSIS

Identifying pseudoseizures with anhydrous ammonia [letter] LeVine WR, et al. **Am J Psychiatry** 1980 Aug;137(8):995

Overnight polygraphic study of agenesis of the corpus callosum with seizures resembling infantile spasms. Horita H, et al. **Brain Dev** 1980;2(4):379–86

Infantile EEG, the new and the unusual. Nealis JG. **Clin Electroencephalogr** 1980 Jul;11(3):106–17

Long term monitoring of seizure patients. Holmes GL, et al. **Conn Med** 1981 Jun;45(6):358–62

Evaluating loss of consciousness in the elderly. Scherokman B, et al. **J Am Geriatr Soc** 1980 Nov;28(11):504–6

Pseudoseizures in children. Presentation of two cases and a discussion of selected diagnostic and therapeutic features. Bauer SF, et al. **J Maine Med Assoc** 1980 Oct;71(10):301–4

A scoring system to predict outcome following neonatal seizures. Ellison PH, et al. **J Pediatr** 1981 Sep;99(3):455–9

Evaluation of childhood pseudoseizures using EEG telemetry and video tape monitoring. Holmes GL, et al. **J Pediatr** 1980 Oct;97(4):554–8

Nonepileptic spells in children. Lenn NJ. **JDBP** 1981 Jun; 2(2):54–60 (21 ref.)

Transient hyperammonemia in the preterm infant: neurologic aspects. Ellison PH, et al. **Neurology (NY)** 1981 Jun; 31(6):767–70

[Experiences in sleep induction with sinophenin in children (a contribution to the differential diagnosis of cerebral seizure disorders)] Walter L. **Psychiatr Neurol Med Psychol (Leipz)** 1980 Aug; 32(8):496–502 (Eng. Abstr.) **(Ger)**

DRUG THERAPY

NIH concensus conference suggests treatment of febrile seizures usually not necessary [news] **Am J Hosp Pharm** 1980 Oct;37(10):1432

Intractable seizures: review and guide for clinical usage of valproic acid. Epstein M, et al. **J Kans Med Soc** 1981 Feb; 82(2):58–60

The influence of D-penicillamine treatment upon seizure activity and trace metal status in the Senegalese baboon, Papio papio. Alley MC, et al. **J Pharmacol Exp Ther** 1981 Apr;217(1):138–46

Phenobarbital maintenance dose requirements in treating neonatal seizures. Fischer JH, et al. **Neurology (NY)** 1981 Aug;31(8):1042–4

The anticonvulsant properties of melatonin on kindled seizures in rats. Albertson TE, et al. **Neuropharmacology** 1981 Jan;20(1):61–6

Consensus statement. Febrile seizures: long-term management of children with fever-associated seizures. **Pediatrics** 1980 Dec;66(6):1009–12

Valproate in the treatment of seizures associated with propionic acidemia [letter] Wolf B, et al. **Pediatrics** 1981 Jan;67(1):162–3

The effects of antidepressant drugs on the seizures kindled from the rabbit amygdala. Stach R, et al. **Pol J Pharmacol Pharm** 1980 Jul–Aug;32(4):505–12

ENZYMOLOGY

Serum CPK elevation after seizures [letter] Chesson A, et al. **JAMA** 1980 Nov 28;244(21):2414–5

Differences in activity in cerebral methyltransferases and monoamine oxidases between audiogenic seizure susceptible and resistant mice and deermice. Doyle RL, et al. **Pharmacol Biochem Behav** 1980 Oct;13(4):589–91

ETIOLOGY

Is multiple-monitored ECT safe? [letter] Kalinowsky LB. **Am J Psychiatry** 1981 May;138(5):701–2

Tonic fecal seizures in nonketotic hyperglycemia of diabetes mellitus. Venna N, et al. **Arch Neurol** 1981 Aug;38(8):512–4

Treatment approach in a child with hysterical seizures superimposed on partial complex seizures. Parraga HC, et al. **Can J Psychiatry** 1981 Mar;26(2):114–7

Clinical and pathological correlates of the neonatal EEG. Clay SA. **Clin Electroencephalogr** 1980 Jul;11(3):103–6

Thyroid hormone can restore the audiogenic seizure susceptibility of hypothyroid DBA/2J mice. Seyfried TN, et al. **Exp Neurol** 1981 Jan;71(1):220–5

Fibromatosis of dura presenting as infantile spasms. Dolman CL, et al. **J Neurol Sci** 1981 Jan;49(1):31–9

Sexual abuse and pseudoseizures [letter] Reinhart MA, et al. **J Pediatr** 1981 Jul;99(1):167

Modulation of seizure pattern in the rat by neutral metabolites of indoleamines. Minegishi A, et al. **J Pharm Pharmacol** 1981 Jun;33(6):395–7

Natriuretic hyponatremic seizures in infancy: the case for SIADH. Case reports. Weir MR. **Milit Med** 1980 Dec; 145(12):851–2

The effects of various anesthetics on amygdaloid kindled seizures. Bowyer JF, et al. **Neuropharmacology** 1981 Mar; 20(3):199–209

Occurrence and implications of seizures in subarachnoid hemorrhage due to ruptured intracranial aneurysms. Hart RG, et al. **Neurosurgery** 1981 Apr;8(4):417–21

Approach to the patient with a single seizure [editorial] Conomy JP. **Postgrad Med** 1980 Nov;68(5):12

[Extracerebral etiology of a seizure disorder] Rössler M, et al. **Cesk Pediatr** 1981 Feb;36(2):69–73 (Eng. Abstr.) **(Cze)**

[Value of routine skull radiography for etiology of simple febrile seizures (author's transl)] Schwarz R, et al. **Paediatr Paedol** 1980;15(3):169–72 (Eng. Abstr.) **(Ger)**

[Paroxysmal phenomena in multiple sclerosis. Brain stem crisis] Quiles Llisterri A, et al. **Acta Neurol Latinoam** 1980; 26(1):1–11 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

Development of susceptibility to audiogenic seizures in DBA/2J and Rb mice: toward a systematic nomenclature of audiogenic seizure levels. Schreiber RA, et al. **Behav Genet** 1980 Nov;10(6):537–43

METABOLISM

Selective metabolic activation of the hippocampus during lidocaine-induced pre-seizure activity. Ingvar M, et al. **Anesthesiology** 1981 Jan;54(1):33–7

Effects of reserpine, propranolol, and aminophylline on seizure activity and CNS cyclic nucleotides. Gross RA, et al. **Ann Neurol** 1979 Oct;6(4):296–301

Selected ion monitoring determination of acetylcholine during methoxypyridoxine seizures. Suzuki M, et al. **Biomed Mass Spectrom** 1980 Nov;7(11–12):537–9

Audiogenic seizures: increased benzodiazepin receptor binding in a susceptible strain of mice. Robertson HA. **Eur J Pharmacol** 1980 Aug 29;66(2–3):249–52

Differences in the methylation of brain histamine in vivo between audiogenic seizure-sensitive and -resistant deermice. Doyle RL, et al. **Life Sci** 1981 Jun 22; 28(25):2805–10

Phenobarbital and phenytoin in neonatal seizures: metabolism and tissue distribution. Painter MJ, et al. **Neurology (NY)** 1981 Sep;31(9):1107–12

Increase of adenosine content in cerebral cortex of the cat during bicuculline-induced seizure. Schrader J, et al. **Pfluegers Arch** 1980 Sep;387(3):245–51

Influence of maximal audiogenic or electroshock seizures on the release of 3H-GABA from mouse brain in vitro. Shenoy AK, et al. **Proc West Pharmacol Soc** 1981;24:89–91

OCCURRENCE

Neurologic prognosis after cardiopulmonary arrest: III.

Seizure activity. Snyder BD, et al. **Neurology (NY)** 1980 Dec;30(12):1292–7

PHYSIOPATHOLOGY

Possible role of opioid peptides in pain inhibition and seizures. Lewis JW, et al. **Adv Biochem Psychopharmacol** 1981; 28:213–24

On some relationships between GABA-ergic and 5-HT-ergic mechanisms in pentylenetetrazol convulsive-seizure reactions. Lazarova M, et al. **Agressologie** 1980;21(5):253–7

Effects of 3-sulfamoylmethyl-1,2-benzisoxazole (AD-810) and some antiepileptics on the kindled seizures in the neocortex, hippocampus and amygdala in rats. Kamei C, et al. **Arch Int Pharmacodyn Ther** 1981 Jan;249(1):164–76

Effect of repeated electroconvulsive shocks (ECS) on subthreshold doses of some CNS stimulants. Mateenuddin M, et al. **Arch Int Pharmacodyn Ther** 1980 Jul;246(1):118–21

Clinical correlates of midline spikes. An analysis of 21 patients. Ehle A, et al. **Arch Neurol** 1981 Jun;38(6):355–7

Biochemical evidence of decreased muscarinic cholinergic neuronal communication following amygdala-kindled seizures. Dasheiff RM, et al. **Brain Res** 1981 Feb 9; 206(1):233–8

Possibilities of a temporal relationship between the morphology and frequency of parietal somato-sensory evoked spikes and the occurrence of epileptic manifestations. De Marco P. **Clin Electroencephalogr** 1980 Jul;11(3):132–5

Cerebral and extracerebral blood volume in generalized seizures in the baboon Papio papio. Ancri D, et al. **Electroencephalogr Clin Neurophysiol** 1981 Jan;51(1):91–103

Facilitation and antagonism of kindled seizure development in the limbic system of the rat. Duchowny MS, et al. **Electroencephalogr Clin Neurophysiol** 1981 Apr; 51(4):403–16

Electrical versus cholinergic kindling. Girgis M. **Electroencephalogr Clin Neurophysiol** 1981 Apr; 51(4):417–25

Cumulative after-discharge as the principal factor in the acquisition of kindled seizures. Peterson SL, et al. **Electroencephalogr Clin Neurophysiol** 1981 Feb; 51(2):192–200

Specific and non-specific multiple unit activities during pentylenetetrazol seizures. I. Animals with 'encéphale isolé'. Velasco F, et al. **Electroencephalogr Clin Neurophysiol** 1980 Sep; 49(5–6):600–7

Does anoxemia play a role in the effects of neonatal seizures on brain growth? An experimental study in the rat. Wasterlain CG. **Eur Neurol** 1979;18(4):222–9

Intertrial intervals and kindled seizures. Peterson SL, et al. **Exp Neurol** 1981 Jan;71(1):144–53

Sleep and kindling: II. Effects of generalized seizure induction. Shouse MN, et al. **Exp Neurol** 1981 Mar; 71(3):563–80

Midbrain pathways of audiogenic seizures in DBA/2 mice. Willott JF, et al. **Exp Neurol** 1980 Nov;70(2):288–99

The control of amygdaloid seizures by the globus pallidus. Amato G, et al. **Experientia** 1981 Feb 15;37(2):166–7

Rapid development of acoustic trauma-induced audiogenic seizure risk in 3 strains of seizure-resistant mice. Chen CS. **Experientia** 1980 Oct 15;36(10):1194–6

Pentylenetetrazol seizure threshold: a quantitative measure of ethanol dependence in rats. Peters JE, et al. **Life Sci** 1980 Dec 22–29;27(25–26):2605–10

Hippocampal afterdischarges and their post-ictal sequelae in rats: effects of arbon monoxide hypoxia. Dyer RS, et al. **Neurobehav Toxicol** 1979 Spring;1(1):21–5

Hippocampal afterdischarges and their post-ictal sequelae in rats: a potential tool for assessment of CNS neurotoxicity. Dyer RS, et al. **Neurobehav Toxicol** 1979 Spring;1(1):5–19

Barbiturate serum levels and protection against kindled amygdaloid seizures in the rat. Albertson TE, et al. **Neuropharmacology** 1980 Nov;19(11):1141–4

The anticonvulsant effects of diazepam and phenobarbital in prekindled and kindled seizures in rats. Albertson TE, et al. **Neuropharmacology** 1981 Jun;20(6):597–603

Pharmacological modification of amygdaloid-kindled seizures. Callaghan DA, et al. **Neuropharmacology** 1980 Nov;19(11):1131–6

Anticonvulsant activity of muscimol against seizures induced by impairment of GABA-mediated neurotransmission. Matthews WD, et al. **Neuropharmacology** 1979 Nov; 18(11):885–9

Neuropharmacological analysis of handling-induced seizures in gerbils. Schonfeld AR, et al. **Neuropharmacology** 1980 Oct;19(10):1009–16

New antidepressant drugs and the seizure threshold. Trimble MR. **Neuropharmacology** 1980 Dec;19(12):1227–8

Alcohol withdrawal seizures: implications of kindling. Pinel JP. **Pharmacol Biochem Behav** 1980;13 Suppl 1:225–31 (41 ref.)

Handling-induced seizures and rotational behavior in th Mongolian gerbil. Schonfeld AR, et al. **Pharmacol Biochem Behav** 1981 Apr;14(4):507–16

Effect of cocaine and lidocaine on the expression of kindled seizures in the rat. Stripling JS, et al. **Pharmacol Biochem Behav** 1981 Mar;14(3):397–403

Effects of beta-endorphin on experimentally induced seizures in mice. Bajorek JG, et al. **Proc West Pharmacol Soc** 1981; 24:315–7

EEG profile of tetrahydrocannabinol seizure susceptible rabbits. Consroe P, et al. **Proc West Pharmacol Soc** 1981; 24:11–3

The effect of amygdala kindling on spontaneous and cocaine-induced motor activity and lidocaine seizures. Post RM, et al. **Psychopharmacology (Berlin)** 1981;72(2):189–96

The effects of reserpine, iproniazid and L-dopa on electrically-induced spinal cord seizures. Jobe PC, et al. **Res Commun Chem Pathol Pharmacol** 1980 Sep; 29(3):417–27

Hyperthermia-induced seizures in the rat pup: a model for febrile convulsions in children. Holtzman D, et al. **Science** 1981 Aug 28;213(4511):1034–6

Structural correlates of seizure behavior in the mongolian gerbil. Paul LA, et al. **Science** 1981 Aug 21;213(4510):924–6

[Visually evoked potential following the electrically induced seizure in the kindled cats (author's transl)] Nakatsuka K, et al. **Nippon Ganka Gakkai Zasshi** 1980 Oct 10; 84(10):1634–9 (Eng. Abstr.) **(Jpn)**

[The alteration of seizures and EEG patterns of El mice with aging process (author's transl)] Nakamoto Y, et al. **No To Shinkei** 1980 Sep;32(9):957–63 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

Prevention of alcohol withdrawal seizures with phenytoin in rats. Chu NS. **Epilepsia** 1981 Apr;22(2):179–84

Controlled fall in natremia in hypertonic dehydration: possible avoidance of rehydration seizures. Kahn A, et al. **Eur J Pediatr** 1981 Feb;135(3):293–6

Differential antagonisms of anticonvulsants to various components of maximal seizures induced by electroshock or pentylenetetrazol in mice. Masuda Y, et al. **J Pharmacobiodyn** 1980 Oct;3(10):526–31

Valproic acid serum levels and protection against kindled amygdaloid seizures in the rat. Albertson TE, et al. **Neuropharmacology** 1981 Jan;20(1):95–7

Diphenylhydantoin potentiates the protective effect of diazepam against pentylenetetrazol but not against bicuculline and isoniazid-induced seizures in mice. Czuczwar SJ, et al. **Neuropharmacology** 1981 Jul; 20(7):675–9

Pharmacologic advances in seizure control. Johnston MV, et al. **Pediatr Clin North Am** 1981 Feb;28(1):179–94

Cocaine and seizure protection in mice of varying brain weights. Donovick PJ, et al. **Pharmacol Biochem Behav** 1981 Mar;14(3):409–14

Protection from shock-induced seizures as a measure of hypnotic potency of drugs. Halperin JM, et al. **Pharmacol Biochem Behav** 1980 Aug;13(2):299–301

Effects of norepinephrine and 5-hydroxytryptamine reuptake inhibitors on electrically-induced spinal cord seizures in rats. Jobe PC, et al. **Res Commun Chem Pathol Pharmacol** 1980 Oct;30(1):185–8

Effects of fluoxetine on electrically-induced spinal cord seizures in rats. Jobe PC, et al. **Res Commun Chem Pathol Pharmacol** 1980 Oct; 30(1):189–92

Anticonvulsants specific for petit mal antagonize epileptogenic effect of leucine enkephalin. Snead OC 3d, et al. **Science** 1980 Nov 28;210(4473):1031–3

PSYCHOLOGY

Effects of age of onset of tonic-clonic seizures on neuropsychological performance in children. O'Leary DS, et al. **Epilepsia** 1981 Apr;22(2):197–204

Hysterical seizures: the role of sexual exploitation. LaBarbera JD, et al. **Psychosomatics** 1980 Nov;21(11):897–903

Pseudoseizures: recognition and treatment. Massey EW, et al. **Psychosomatics** 1980 Dec;21(12):987–91, 996–7

[Perseverance tendency in patients with generalized convulsive seizures and with partial seizures with complex symptoms] Florek M, et al. **Neurol Neurochir Pol** 1980; 14(5):479–84 (Eng. Abstr.) **(Pol)**

RADIOGRAPHY

Computed tomography brain scanning in alcohol withdrawal seizures. Value of the neurologic examination. Feussner JR, et al. **Ann Intern Med** 1981 Apr;94(4 pt 1):519–22

THERAPY

Pseudoseizures in children. Presentation of two cases and a discussion of selected diagnostic and therapeutic features. Bauer SF, et al. **J Maine Med Assoc** 1980 Oct;71(10):301–4

Life careers of Navajo epileptics and convulsive hysterics. Levy JE, et al. **Soc Sci Med [Med Anthropol]** 1979 Jan; 13 B(1):53–66

[Report on the in-patient treatment of a patient with a psychogenic seizure with special reference to nonverbal forms of therapy] Müller-Braunschweig H, et al. **Psyche (Stuttg)** 1980 Dec;34(12):1073–91 (Eng. Abstr.) **(Ger)**

VETERINARY

Magnesium and zinc blood levels in mice sensitive to audiogenic seizures. Henrotte JG. **Ann Rech Vet** 1980; 11(3):285–8

Epileptiform seizures in captive African vultures. Mundy PJ, et al. **J Wildl Dis** 1981 Apr;17(2):259–65

SELECTION (GENETICS)

Studies on selection of LaCrosse virus variants by natural vertebrate hosts and vector mosquitoes. Seymour C, et al. **Acta Virol (Praha)** 1981 Mar;25(2):87–94

A formal theory of selection for schizophrenia. Eaton WW. **AJS** 1980 Jul;86(1):149–58

Hereditary polyposis coli. III. Genetic and evolutionary fitness. Murphy EA, et al. **Am J Hum Genet** 1980 Sep; 32(5):700–13

Social selection in human populations. I. Modification of the fitness of offspring by an affected parent. Yokoyama S. **Am J Hum Genet** 1981 May;33(3):407–17

Malathion resistance in Aedes aegypti of Puerto Rico induced by selection pressure on larvae. Fox I. **Am J Trop Med Hyg** 1980 Nov;29(6):1456–9

Further observations on birth weight and natural selection [letter] Bogin B. **Ann Hum Biol** 1980 Mar–Apr;7(2):182–3

Further observations on birthweight and natural selection [letter] Nurse GT. **Ann Hum Biol** 1980 Mar–Apr;7(2):183–4

Intraorganism competition involving eukaryotic organelles. Eberhard WG. **Ann NY Acad Sci** 1981;361:44–52

Blood pressure, heart rate, and plasma catecholamines under resting conditions in rat strains selectively bred for differences in response to stress. Blizard DA, et al. **Behav Neural Biol** 1980 Aug;29(4):487–92

Emotional correlates of selection for avoidance learning in rats. Chamove AS, et al. **Biol Psychol** 1980 Feb;10(1):41–55

A reparameterization of a genetic selection index to locate its sampling properties. Hayes JF, et al. **Biometrics** 1980 Jun;36(2):237–48

Conditional instability of induced variants of CHO. Transient sensitivity to contact with wild-type cells. Bradley WE. **Exp Cell Res** 1980 Oct;129(2):251–63

Size of population required for artificial selection. Nicholas FW. **Genet Res** 1980 Feb;35(1):85–105

A simulation study of truncation selection for a quantitative trait opposed by natural selection. Minvielle F. **Genetics** 1980 Apr;94(4):989–1000

Natural selection and human choice. Ravin AW. **Hastings Cent Rep** 1980 Dec;10(6):30–1

Selection associated with the alcohol dehydrogenase locus in Drosophila melanogaster: differential survival of adults maintained on low concentrations of ethanol. Daly K, et al. **Heredity (Edinburgh)** 1981 Apr;46(Pt 2):219–26

Multiple matings, effective population size and sexual selection in Drosophila melanogaster. Petit C, et al. **Heredity (Edinburgh)** 1980 Oct;45(2):281–92

Cell selection in vivo. Follow-up of nine unselected mixoploid children. Nielsen J, et al. **Hum Genet** 1980; 55(3):357–61

The relative viabilities of alternative human genotypes. Colgan DJ. **Hum Hered** 1981;31(3):172–9

Cohort study of opportunity for selection on two Swedish 19th century parishes with a survey of other estimates. Hed HM, et al. **Hum Hered** 1981;31(2):78–83

The HLA-A,B gene frequencies in the world: migration or selection? Piazza A, et al. **Hum Immunol** 1980 Dec; 1(4):297–304

The effect of selection of both sire and dam on the response of F1 generation lambs to vaccination with irradiated Trichostrongylus colubriformis larvae. Windon RG, et al. **Int J Parasitol** 1981 Feb;11(1):11–8

Long-term selection for rapid gain in mice. I. Genetic analysis at the limit of response. Barria N, et al. **J Anim Sci** 1981 Apr;52(4):729–38

Long-term selection for rapid gain in mice. II. Correlated changes in reproduction. Barria N, et al. **J Anim Sci** 1981 Apr;52(4):739–47

Positive selection for loss of tetracycline resistance. Bochner BR, et al. **J Bacteriol** 1980 Aug;143(2):926–33

Detection of natural selection by methods based on models of the behaviour of neutral alleles. Averill BK. **J Biosoc Sci** 1980 Oct;12(4):469–79

Effects of domestication on production and perception of mallard maternal alarm calls: developmental lag in behavioral arousal. Miller DB, et al. **J Comp Physiol Psychol** 1981 Apr;95(2):205–19

Ontogeny and interdependence of genetically selected behaviors in rats: avoidance response and open field. Satinder KP. **J Comp Physiol Psychol** 1981 Feb; 95(1):175–87

Comparison of single and multiple-trait selected sires. Response in mastitis traits. Miller RH, et al. **J Dairy Sci** 1981 May;64(5):832–7

Late clonal selection and expansion of the TEPC-15 germ-line specificity. Fung J, et al. **J Exp Med** 1980 Nov 1;152(5):1262–73

Analysis of histocompatibility requirements for proliferative and helper T cell activity. T cell populations depleted of alloreactive cells by negative selection. Shih WW, et al. **J Exp Med** 1980 Nov 1;152(5):1311–28

Theoretical foundations for quantitative paleogenetics. Part III: The molecular divergence of nucleic acids and proteins for the case of genetic events of unequal probability. Holmquist R, et al. **J Mol Evol** 1980 Dec;16(3–4):211–67

Ovulation rate, embryo survival and ovarian sensitivity to gonadotrophins in mice selected for litter size and body weight. Durrant BS, et al. **J Reprod Fertil** 1980 Jul; 59(2):329–39

On the relation of family structured models and inclusive fitness models for kin selection. Abugov R, et al.

J Theor Biol 1981 Feb 21;88(4):743–54

Kin selection in age-structured populations. Charlesworth B, et al. **J Theor Biol** 1981 Jan 7;88(1):103–19

Non-equilibrium thermodynamics of the selection of biological macromolecules. Ishida K. **J Theor Biol** 1981 Jan 21;88(2):257–73

A criterion of life history evolution based on density dependent selection. Iwasa Y, et al. **J Theor Biol** 1980 Jun 7;84(3):545–66

Reciprocal altruism and kin selection are not clearly separable phenomena. Rothstein SI. **J Theor Biol** 1980 Nov 21; 87(2):255–61

Incidence of mutator strains in Escherichia coli and coliforms in nature. Gross MD, et al. **Mutat Res** 1981 Mar; 91(2):107–10

Locomotor activity, defecation score and corticosterone levels during an openfield exposure: a comparison among individually and group-housed rats, and genetically selected rat lines. Gentsch C, et al. **Physiol Behav** 1981 Jul;27(1):183–6

Divergent selection in Japanese quail for the plasma cholesterol response to ACTH. Marks HL, et al. **Poult Sci** 1980 AUG;59(8):1700–5

Immune response and disease resistance in chickens. I. Selection for high and low titer to Salmonella pullorum antigen. Pevzner IY, et al. **Poult Sci** 1981 May;60(5):920–6

Maintenance of an aminopeptidase allele frequency cline by natural selection. Koehn RK, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5385–9

Coevolution of species in competition: a theoretical study. Matessi C, et al. **Proc Natl Acad Sci USA** 1981 Feb; 78(2):1081–4

Selection of viability at loci controlling protein polymorphisms in Drosophila melanogaster is very weak at most. Mukai T, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4857–60

Five generations of selection with benzimidazole and non-benzimidazole anthelmintics against benzimidazole resistant strains of Haemonchus and Ostertagia spp in sheep. Hall CA, et al. **Res Vet Sci** 1981 Mar;30(2):138–42

Selection by consequences. Skinner BF. **Science** 1981 Jul 31; 213(4507):501–4

Polymorphic equilibria with assortative mating and selection in subdivided populations. Campbell RB. **Theor Popul Biol** 1980 Aug;18(1):94–111

Multilocus population genetics: relative importance of selection and recombination. Ginzburg LR, et al. **Theor Popul Biol** 1980 Jun;17(3):298–320

The detection of particular genotypes in finite populations. I. Natural selection effects. Karlin S, et al. **Theor Popul Biol** 1981 Apr;19(2):187–214

The detection of particular genotypes in finite populations. II. The effects of partial penetrance and family structure. Karlin S, et al. **Theor Popul Biol** 1981 Apr;19(2):215–29

Theories of kin and group selection: a population genetics perspective. Uyenoyama M, et al. **Theor Popul Biol** 1980 Jun;17(3):380–414

Inheritance of part yields and their use in selection of buffaloes. Gokhale SB, et al. **Trop Anim Health Prod** 1981 Feb;13(1):41–7

Mastitis prevention by selection of sires. Grootenhuis G. **Vet Rec** 1981 Mar 21;108(12):258–60

[Selection of laboratory rats for fertility components in synchronized estrus using Suisynchron-Praemix. 2. Results of litter development] Renne U, et al. **Arch Exp Veterinaermed** 1981;35(1):123–30 (Eng. Abstr.) **(Ger)**

[Selection of laboratory rats for fertility components in synchronized estrus using Suisychron-Praemix. 1. Effects of selection and synchronization] Renne U, et al. **Arch Exp Veterinaermed** 1981;35(1):115–21 (Eng. Abstr.) **(Ger)**

[Criteria of natural selection in the appearance and evolution of the immunological barrier] Buiuc D. **Rev Med Chir Soc Med Nat Iasi** 1980 Apr–Jun;84(2):250; 282 **(Rum)**

[Evolution of Eigen hypercycles occurring in coacervates] Faĭstel' R, et al. **Biofizika** 1980 Sep–Oct;25(5):882–7 (Eng. Abstr.) **(Rus)**

[Effect of stabilizing selection of the frequency distribution of allele loci coding proteins] Dubrova IuE. **Dokl Akad Nauk SSSR** 1980;252(2):472–5 **(Rus)**

[Intrauterine selection and human ABO incompatibility. II. Analysis of blood group distribution among 3652 families] Golovachev GD, et al. **Genetika (Moskva)** 1980; 16(11):2041–8 (Eng. Abstr.) **(Rus)**

[Method of selecting cholesterol esterase-producer microorganisms] Kiprianova EA, et al. **Mikrobiol Zh** 1980 Sep–Oct;42(5):658–60 (Eng. Abstr.) **(Rus)**

[Selection of Trichoderma viride, a producer of cellulase] Ostrikova NA, et al. **Mikrobiologiia** 1980 Jul–Aug; 49(4):540–5 (Eng. Abstr.) **(Rus)**

[Natural and artificial selection in dairy cattle populations being improved] Vlasov VI. **Tsitol Genet** 1980 May–Jun; 14(3):64–70 (Eng. Abstr.) **(Rus)**

[Results of selection for affinity in cell populations of rat transplantable tumors] Ismailov BI, et al. **Tsitologiia** 1980 Sep;22(9):1118–22 (10 ref.) (Eng. Abstr.) **(Rus)**

SELENIUM

Glutathione peroxidase activity of D,L-seleno-cystine and selenocystamine. Yasuda K, et al. **Biochem Biophys Res Commun** 1980 Sep 16;96(1):243–9

Comments on the g tensor variations in selenium-substituted 2Fe-2S iron-sulfur proteins. Bertrand P, et al. **Biochim Biophys Acta** 1980 Oct 21;625(2):337–42

Model ecosystem, toxicity, and uptake evaluation of 75Se-selenite. Nassos PA, et al. **Bull Environ Contam Toxicol** 1980 May;24(5):752–8

Regulation of essential nutrient additions to animal diets (selenium — a model case). Ullrey DE. **J Anim Sci** 1980 Sep;51(3):645–51

Reduction of DL-selenocystine and isolation of L-seleoncysteine. Burnell JN, et al. **J Inorg Biochem** 1980 Jul;12(4):343–51

The Raman spectra of selenomethionine and selenocystine. Lopez J, et al. **J Inorg Biochem** 1981 Apr;14(2):177–88

Oxidative degradation of 6-selenoguanosine in aqueous solutions. Repta AJ, et al. **J Pharm Sci** 1981 Jun;70(6):634–7

Radiotoxicity of 75Se and 35S: theory and application to a cellular model. Kassis AI, et al. **Radiat Res** 1980 Dec; 84(3):407–25

Selenium in the environment. Shamberger RJ. **Sci Total Environ** 1981 Jan;17(1):59–74 (94 ref.)

[Comparative efficacies of selenite and tetrathionate broth and Leifson- and Wilson-Blair agar for the isolation of salmonellae (author's transl)] Müller HE. **Zentralbl Bakteriol [A]** 1980 Nov;248(2):202–9 (Eng. Abstr.) **(Ger)**

[Selective irradiation of thyroid gland follicles by radionuclides decaying according to the K-capture model] Stepanenko VF, et al. **Radiobiologiia** 1980 Sep–Oct; 20(5):693–8 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Factors influencing the anticarcinogenic efficacy of selenium in dimethylbenz[a]anthracene-induced mammary tumorigenesis in rats. Ip C. **Cancer Res** 1981 Jul; 41(7):2683–6

Selenium in self-selected diets of Maryland residents. Welsh SO, et al. **J Am Diet Assoc** 1981 Sep;79(3):277–85

Selenium supplementation in total parenteral nutrition. van Rij AM, et al. **JPEN** 1981 Mar–Apr;5(2):120–4

Reversal of selenium deficiency with oral selenium [letter] King WW, et al. **N Engl J Med** 1981 May 21;304(21):1305

The effect of single doses of selenium salts on whole blood levels of selenium in ewes on a selenium-deficient diet. Meads WJ, et al. **NZ Vet J** 1980 Jan–Feb;28(1–2):20–2

Changes in distribution of mercury and selenium in soluble fractions of rabbit tissues after simultaneous administration. Naganuma A, et al. **Pharmacol Biochem Behav** 1980 Oct; 13(4):537–44

[Effect of a sucrose and selenium diet on rat liver enzymes] Vavilova TP, et al. **Stomatologiia (Mosk)** 1980 Sep–Oct; 59(5):9–11 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Teratogenic effect of different toxic elements on young chick embryos. Puzanová L. **Folia Morphol (Praha)** 1980; 28(4):354–6

Acquired structural defects of the hair. Chetty GN, et al. **Int J Dermatol** 1981 Mar;20(2):119–21

[Telogen effluvium following application of selenium disulfide in the guinea pig] Wirth H, et al. **Hautarzt** 1980 Sep;31(9):502–4 (Eng. Abstr.) **(Ger)**

ANALYSIS

X-ray fluorescence determination of trace selenium in organic and biological matrices. Raptis SE, et al. **Anal Chem** 1980 Jul;52(8):1292–6

Preparation of biological materials for determination of selenium by hydride generation--atomic absorption. Reamer DC, et al. **Anal Chem** 1981 Jul;53(8):1192–5

Simple semi-automated atomic-absorption spectrometric method for the determination of arsenic and selenium in fish tissue. Agemian H, et al. **Analyst** 1980 Sep; 105(1254):902–7

Mercury and selenium content and chemical form in fish muscle. Cappon CJ, et al. **Arch Environ Contam Toxicol** 1981;10(3):305–19

Arsenic and selenium in lung, liver, and kidney tissue from dead smelter workers. Wester PO, et al. **Br J Ind Med** 1981 May;38(2):179–84

Selenium and mercury in foodstuff from a locality with elevated intake of methylmercury. Suzuki T, et al. **Bull Environ Contam Toxicol** 1980 May;24(5):805–11

Determination of selenium in the environment and in biological material. Bem EM. **Environ Health Perspect** 1981 Jan;37:183–200 (222 ref.)

Determination of selenium in tissues, serum, and blood of wild rodents by graphite furnace atomic absorption spectrophotometry. Rail CD, et al. **Int J Environ Anal Chem** 1980;8(2):79–87

Annual variations in the average selenium intake in Finland: cereal products and milk as sources of selenium in 1979/80. Varo P, et al. **Int J Vitam Nutr Res** 1981;51(1):79–84

Mercury and selenium content and chemical form in human and animal tissue. Cappon CJ, et al. **J Anal Toxicol** 1981 Mar–Apr;5(2):90–8

Hydrogen selenide evolution-electrothermal atomic absorption method for determining nanogram levels of total selenium. Cox DH, et al. **J Assoc Off Anal Chem** 1981 Mar;64(2):265–9

Bromine and selenium in human aorta. Cross JD, et al. **J Clin Pathol** 1981 Apr;34(4):393–5

Selenium in bovine spermatozoa. Niemi SM, et al. **J Dairy Sci** 1981 May;64(5):853–6

Composition of tobaccos from countries with high and low incidences of lung cancer. I. Selenium, polonium-210, Alternaria, tar, and nicotine. Bogden JD, et al. **JNCI** 1981 Jan;66(1):27–31

[The relationship between seasonal prevalence of Keshan disease and hair selenium level of local inhabitants (author's transl)] Sung SZ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1980;14(1):17–9 **(Chi)**

[Selenium level in the body of susceptibles of Keshan disease (author's transl)] Yang GQ. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1980;14(1):14–6 **(Chi)**

[Application to various biological samples of a new method for selenium determination (author's transl)] Nève J, et al. **J Pharm Belg** 1980 Sep–Oct;35(5):345–50 (Eng. Abstr.) **(Fre)**

[Simultaneous microdetermination of sulfur and selenium present together in organic compounds] Nuti V, et al. **Farmaco [Prat]** 1980 Nov;35(11):544–52 (Eng. Abstr.) **(Ita)**

[Neutron activation analysis of selenium using a coincidence counting method (author's transl)] Suzuki S, et al. **Radioisotopes** 1980 Apr;29(4):161–5 (Eng. Abstr.) **(Jpn)**

BLOOD

Changes of blood selenium in New Zealand adults with time and importation of Australian wheat. Watkinson JH. **Am J Clin Nutr** 1981 May;34(5):936–42

Influence of exercise on serum selenium and peroxide reduction system of racing Standardbreds. Gallagher K, et al. **Am J Vet Res** 1980 Aug;41(8):1333–5

Determination of selenium in human blood by gas chromatography with electron-capture detection. Kurahashi K, et al. **Analyst** 1980 Jul;105(1252):690–5

An examination of the selenium nutrition of sheep in Victoria. Caple IW, et al. **Aust Vet J** 1980 Apr;56(4):160–7

Selenium pellets for cattle [letter] Judson GJ, et al. **Aust Vet J** 1980 Jun;56(6):304

Increasing selenium in bovine blood by feed supplements or selenium injections. Lein DH, et al. **Cornell Vet** 1980 Apr; 70(2):113–24

Selenium and vitamin E in horses. Maylin GA, et al. **Cornell Vet** 1980 Jul;70(3):272–89

Effect of supplemental selenium for beef cows on the performance and tissue selenium concentrations of cows and suckling calves. Ammerman CB, et al. **J Anim Sci** 1980 Dec;51(6):1381–6

Leucocyte glutathione peroxidase activity and selenium level in multiple sclerosis. Jensen GE, et al. **J Neurol Sci** 1980 OCT;48(1):61–7

Hematologic and selenium status of low-birth-weight infants fed formulas with and without iron. Rudolph N, et al. **J Pediatr** 1981 Jul;99(1):57–62

The relationship of dietary selenium and breast cancer. McConnell KP, et al. **J Surg Oncol** 1980;15(1):67–70

Selenium concentrations and glutathione peroxidase activities in a population exposed to selenium via drinking water. Valentine JL, et al. **J Toxicol Environ Health** 1980 Jul; 6(4):731–6

Decreased serum selenium in alcoholic cirrhosis [letter] Aaseth J, et al. **N Engl J Med** 1980 Oct 16;303(16):944–5

Selenium in premature infants. Amin S, et al. **Nutr Metab** 1980;24(5):331–40

Blood selenium in cystic fibrosis patients. **Nutr Rev** 1981 Jan; 39(1):14–5 (6 ref.)

Glutathione peroxidase activity and selenium concentration in bovine blood and liver as indicators of dietary selenium intake. Thompson KG, et al. **NZ Vet J** 1981 Jan–Feb; 29(1–2):3–6

A semi-quantitative spot test for glutathione peroxidase in blood of cattle and sheep for the assessemt of biological selenium status. Berrett S, et al. **Vet Rec** 1979 Aug 18; 105(7):145–6

Modified fluorescent spot test for glutathione peroxidase and selenium concentration in sheep blood. Peter DW. **Vet Rec** 1980 Aug 30;107(9):193–6

[Dynamics of selenium in the blood serum of sows after a supplementary feeding dose of vitamin E and selenium during pregnancy] Vrzgula L, et al. **Vet Med (Praha)** 1980 Jul;25(7):391–6 (Eng. Abstr.) **(Slo)**

CHEMICAL SYNTHESIS

Synthesis and chromatographic properties of Se-carboxymethyl-selenohomocysteamine (2-carboxymethyl, 3-aminopropyl selenide). Rinaldi A, et al. **Ital J Biochem** 1979 Jan–Feb;28(1):20–5

Antioxidants in purification, stabilization, and formulation of the antineoplastic agent 6-selenoguanosine. Beltagy YA, et al. **J Pharm Sci** 1980 Oct;69(10):1168–70

DEFICIENCY

Ultrastructural studies on the gastrocnemius tendon of selenium-deficient ducklings. Sweeny PR, et al. **Am J Pathol** 1981 May;103(2):201–9

Induction of lesions of selenium-vitamin E deficiency in

weanling swine fed silver, cobalt, tellurium, zinc, cadmium, and vanadium. Van Vleet JF, et al. **Am J Vet Res** 1981 May;42(5):789–99

Enhancement of mammary tumorigenesis by dietary selenium deficiency in rats with a high polyunsaturated fat intake. Ip C, et al. **Cancer Res** 1981 Jan;41(1):31–4

Selenium requirements in patients with inborn errors of amino acid metabolism and selenium deficiency. Lombeck I, et al. **Eur J Pediatr** 1980 Jun;134(1):65–8

Effect of selenium deficiency on liver and blood glutathione peroxidase activity in guinea pigs. Burk RF, et al. **J Nutr** 1981 Apr;111(4):690–3

Glutathione peroxidase activity in iron-deficient rats. Lee YH, et al. **J Nutr** 1981 Jan;111(1):194–200

Influence of selenium on livestock. Koller LD. **Mod Vet Pract** 1981 Jan;62(1):25–7

Cardiomyopathy and selenium deficiency in a two-year-old girl [letter] Collipp PJ, et al. **N Engl J Med** 1981 May 21;304(21):1304–5

Cardiomyopathy associated with selenium deficiency [letter] Goldman IS, et al. **N Engl J Med** 1981 Sep 17;305(12):701

An occidental case of cardiomyopathy and selenium deficiency. Johnson RA, et al. **N Engl J Med** 1981 May 14;304(20):1210–2

Reversal of selenium deficiency with oral selenium [letter] King WW, et al. **N Engl J Med** 1981 May 21;304(21):1305

Prevention of Keshan cardiomyopathy by sodium selenite. **Nutr Rev** 1980 Aug;38(8):278–9

Evidence for an impairment in the conversion of methionine to cysteine in the selenium-deficient chick. Bunk MJ, et al. **Proc Soc Exp Biol Med** 1981 May;167(1):87–93

Vitamin E activity of alpha-tocopherol side chain analogs in selenium-deficient chicks. Kingsley PB, et al. **Proc Soc Exp Biol Med** 1981 Jan;166(1):1–5

Trialkyllead metabolism and lipid peroxidation in vivo in vitamin E- and selenium-deficient rats, as measured by ethane production. Ramstoeck ER, et al. **Toxicol Appl Pharmacol** 1980 Jun 30;54(2):251–7

Nutritional myopathy in hoggs [letter] Cuthbertson JC. **Vet Rec** 1980 Aug 23;107(8):183

Nutritional myopathy in feeding hoggs. Greig A, et al. **Vet Rec** 1980 Jul 19;107(3):62–3

Copper deficiency in cattle [letter] Moran K. **Vet Rec** 1980 Jul 19;107(3):70–1

[The difference between whole blood and hair selenium levels of inhabitants in the endemic and nonendemic areas of Keshan disease (author's transl)] Wang GY. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1979;13(4):204–6 **(Chi)**

[The difference between the urinary selenium excretion of the children in the endemic and non-endemic areas of Keshan disease (author's transl)] Yin TA. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1979;13(4):207–10 **(Chi)**

[The combined effect of selenium deficiency and viral infection on the myocardium of mice (preliminary study) (author's transl)] Bai J. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1980 Mar; 2(1):29–31 (Eng. Abstr.) **(Chi)**

[Significance of selenium deficiency] Sandholm M. **Duodecim** 1980;96(18):1191–5 **(Fin)**

DIAGNOSTIC USE

Selenomethionine liver scanning in the diagnosis of hepatoma. Coakley AJ, et al. **Br J Radiol** 1980 Jun; 53(630):538–43

Selenium 75 selenomethyl cholesterol: a new agent for quantitative functional scintigraphy of the adrenals: physical aspects. Hawkins LA, et al. **Br J Radiol** 1980 Sep; 53(633):883–9

75Se selenomethionine in the diagnosis of hepatocellular carcinoma. Report of a false positive scan. Douglas JG, et al. **Eur J Nucl Med** 1981 Feb;6(2):91–2

Parathyroid imaging after intraarterial injections of [75Se]selenomethionine. Stock JL, et al. **J Clin Endocrinol Metab** 1981 May;52(5):835–9

Synthesis of selenium-75 labeled tertiary diamines: new brain imaging agents. Kung H, et al. **J Med Chem** 1980 Oct; 23(10):1127–30

Feasibility of intrinsic labeling of poultry meat with stable isotope of selenium (74Se) for use in human metabolic studies. Janghorbani M, et al. **J Nutr** 1981 May; 111(5):817–22

Selenium-sulfur analogs III: synthesis and biodistribution of two 75Se-labeled 4-substituted-1,2,3-selenadiazoles. Hanson RN, et al. **J Pharm Sci** 1981 Jan;70(1):91–3

The testing of liver function by means of radioactive 75Se--selenium-methionine. Pirwitz B. **Mater Med Pol** 1979 Oct–Dec;11(4):360–6

[Adrenal scintigraphy with 75Se-Scintadren: localizing diagnosis of adrenal adenoma in primary aldosteronism (author's transl)] Kobayashi T, et al. **Kaku Igaku** 1980 Jul; 17(5):607–14 **(Jpn)**

[Dynamic changes of 75Se-selenomethionine in the blood, pancreatic juice and bile (author's transl)] Nakayama S, et al. **Kaku Igaku** 1980 Jul;17(5):579–82 (Eng. Abstr.) **(Jpn)**

[Evaluation of adrenal diseases with a new adrenal-scanning agent, 6-methyl-75Se-selenomethyl-19-norcholest-5(10)-en-3 beta-ol (author's transl)] Seto H, et al. **Radioisotopes** 1980 May;29(5):247–9 **(Jpn)**

[Scintigraphy of hepatic tumor with 75Se-selenomethionine (author's transl)] Sakata H, et al. **Rinsho Hoshasen** 1980 Oct;25(11):1191–4 (Eng. Abstr.) **(Jpn)**

[75Se -- selenocholesterol -- a new radionuclide for adrenal scintiscanning. Preliminary clinical investigations (author's transl)] Jakubowski W, et al. **Pol Przegl Radiol** 1980 May-Jun;44(3):223–5 (Eng. Abstr.) **(Pol)**

[Scintigraphic investigations of the adrenals by means of 75Se-selenocholesterol (author's transl)] Jakubowski W, et al. **Pol Przegl Radiol** 1980;44(4):307–10 (Eng. Abstr.) **(Pol)**

HISTORY

Nutrition Classics: Science, Volume 179, 1973, pages 588–591: Selenium: biochemical role as a component of glutathione peroxidase. **Nutr Rev** 1980 Aug;38(8):280–3

METABOLISM

Interactions of vitamin E and selenium with mercury and silver. Ganther HE. **Ann NY Acad Sci** 1980;355:212–26

Interactions of selenium-mercury and selenium-selenium compounds. Parizek J, et al. **Ann NY Acad Sci** 1980; 355:347–60

Vitamin E and selenium protection from in vivo lipid peroxidation. Tappel AL. **Ann NY Acad Sci** 1980;355:18–31

On the influence of zinc on mercury/selenium interaction. Hansen JC, et al. **Arch Toxicol** 1980 Dec;46(3-4):273–6

Sulfur--selenium studies in sheep. II. Effect of a dietary sulfur deficiency on selenium and sulfur metabolism in sheep fed varying levels of selenomethionine. White CL. **Aust J Biol Sci** 1980 Dec;33(6):699–707

Low release of selenium from recovered ruminal pellets. Wilkins JF, et al. **Aust Vet J** 1980 Feb;56(2):87–9

Selenium metabolism in the dairy cow: the influence of the liver and the effect of the form of Se salt. Symonds HW, et al. **Br J Nutr** 1981 Jan;45(1):117–25

Chemical form and distribution of mercury and selenium in eggs from chickens fed mercury-contaminated grain. Cappon CJ, et al. **Bull Environ Contam Toxicol** 1981 Apr; 26(4):472–8

Cement kiln dusts as a selenium source in sheep rations. Hogue DE, et al. **Cornell Vet** 1981 Jan;71(1):69–75

Selenium retention in tissues of swine fed carcasses of pigs grown on diets containing sodium selenite or high selenium white sweet clover grown on fly ash. Mandisodza KT, et al. **Cornell Vet** 1980 Apr;70(2):193–201

The interactions of selenium with cadmium and mercury. Magos L, et al. **CRC Crit Rev Toxicol** 1980;8(1):1–42 (268 ref.)

Utilization of selenium in fly ash and in white sweet clover grown on fly ash by the chick. Combs GF Jr, et al. **J Agric Food Chem** 1981 Jan–Feb;29(1):149–52

Selenium and reproductive function in yearling Angus bulls. Segerson EC, et al. **J Anim Sci** 1980 Aug;51(2):395–9

Transfer of selenium from blood to milk in goats and noninterference of copper with selenium metabolism. Allen JC, et al. **J Dairy Sci** 1981 May;64(5):814–21

Schistosoma bovis, S. intercalatum and S. haematobium: methods for in vivo radiolabelling of cercariae with radioselenium. Christensen NO. **J Helminthol** 1981 Mar; 55(1):9–12

Biosynthetic incorporation of [75Se]selenomethionine: a new method for labelling lymphocyte membrane antigens. Dosseto M, et al. **J Immunol Methods** 1981;41(2):145–53

Se-75-labeled bile acid analogs, new radiopharmaceuticals for investigating the enterohepatic circulation. Boyd GS, et al. **J Nucl Med** 1981 Aug;22(8):720–5

The requirement and toxicity of selenium in rainbow trout (Salmo gairdneri). Hilton JW, et al. **J Nutr** 1980 Dec; 110(12):2527–35

Effect of dietary methionine on the biopotency of selenite and selenomethionine in the rat. Sunde RA, et al. **J Nutr** 1981 Jan;111(1):76–88

Selenium and myocardial infarction: glutathione peroxidase in platelets. Wang YX, et al. **Klin Wochenschr** 1981 Jul 15;59(14):817–8

Selenium: a case for its essentiality in man [editorial] Young VR. **N Engl J Med** 1981 May 14;304(20):1228–30

Mercury/selenium interaction. A comparative study on pigs. Hansen JC, et al. **Nord Vet Med** 1981 Feb;33(2):57–64

Selenium-containing glutathione peroxidase: its synthesis and function in arachidonate metabolism. **Nutr Rev** 1981 Jan; 39(1):21–3 (14 ref.)

Changes in distribution of mercury and selenium in soluble fractions of rabbit tissues after simultaneous administration. Naganuma A, et al. **Pharmacol Biochem Behav** 1980 Oct; 13(4):537–44

Blood selenium levels and glutathione-peroxidase activities in university and chronic intravenous hyperalimentation subjects. Lane HW, et al. **Proc Soc Exp Biol Med** 1981 Jul;167(3):383–90

Incorporation of selenium into liver glutathione peroxidase in the Se-adequate and Se-deficient rat. Sunde RA, et al. **Proc Soc Exp Biol Med** 1980 Nov;165(2):291–7

Interaction of methylmercury and selenium in mouse: formation and decomposition of bis(methylmercuric) selenide. Naganuma A, et al. **Res Commun Chem Pathol Pharmacol** 1980 Nov; 30(2):301–16

Glutathione peroxidase activity in bovine serum and erythrocytes in relation to selenium concentrations of blood, serum and liver. Thompson KG, et al. **Res Vet Sci** 1980 May;28(3):321–4

Oxidation of elemental selenium to selenite by Bacillus megaterium. Sarathchandra SU, et al. **Science** 1981 Feb 6;211(4482):600–1

A stimulation model describing the metabolism of inhaled and ingested selenium compounds. Medinsky MA, et al. **Toxicol Appl Pharmacol** 1981 Jun 15;59(1):54–63

Behavior of inorganic mercury and selenium in insoluble fractions of rabbit tissues after simultaneous administration. Naganuma A, et al. **Toxicol Lett** 1981 Apr;8(1-2):43–8

Metabolism of toxic substances in isolated hepatocytes. Högberg J, et al. **Toxicology** 1980;17(2):113–8

[Polyunsaturated fatty acids, vitamin E and selenium in the modern breeding of animals for slaughter] Henry M. **Ann Nutr Aliment** 1980;34(2):333–6 (0 ref.) **(Fre)**

[Effect of dl-alpha-tocopherol on incorporation of selenium in 'selenium-indicating' organs and on glutathione peroxidase activity in rat and rabbit erythrocytes following application of therapeutic doses of sodium selenite] Wiesner E, et al. **Arch Exp Veterinaermed** 1981;35(1):97–107 (Eng. Abstr.) **(Ger)**

[Dynamic changes of 75Se-selenomethionine in the blood, pancreatic juice and bile (author's transl)] Nakayama S, et al. **Kaku Igaku** 1980 Jul;17(5):579–82 (Eng. Abstr.) **(Jpn)**

[Mercury and selenium] Kumei Y. **Kokubyo Gakkai Zasshi** 1980 Dec;47(4):545 **(Jpn)**

[Selenium and organic diseases of the oral cavity] Petrovich IuA, et al. **Stomatologiia (Mosk)** 1981 May–Apr;60(2):68–72 (101 ref.) **(Rus)**

[Selenoenzymes and other selenoproteins, their biological role] Petrovich IuA, et al. **Usp Sovrem Biol** 1981 Jan–Feb; 91(1):127–44 (151 ref.) **(Rus)**

PHARMACODYNAMICS

Contractility and membrane potential of cryopreserved auricle fragments from rat hearts after pretreatment with selenium. Matthes G, et al. **Acta Physiol Pharmacol Bulg** 1980;6(2):60–4

The effect of cysteine and sodium selenite on the toxicity of cadmium in Staphylococcus aureus. Korkeala H, et al. **Acta Vet Scand** 1981;22(1):129–36

Anti-inflammatory, immunologic and carcinostatic attributes of selenium in experimental animals. Spallholz JE. **Adv Exp Med Biol** 1981;135:43–62 (49 ref.)

Enhanced growth of Mycobacterium tuberculosis in the presence of selenium. Jaquess PA, et al. **Am J Clin Pathol** 1981 Feb;75(2):209–10

Glutathione peroxidase, selenium, and prostaglandin synthesis in platelets. Doni MG, et al. **Am J Physiol** 1981 May; 240(5):H800–3

Interactions of zinc and selenium on the binding of cadmium to rat tissue proteins. Whanger PD, et al. **Ann NY Acad Sci** 1980;355:333–46

Sulfur--selenium studies in sheep. II. Effect of a dietary sulfur deficiency on selenium and sulfur metabolism in sheep fed varying levels of selenomethionine. White CL. **Aust J Biol Sci** 1980 Dec;33(6):699–707

Influence of injected selenium in dairy bulls on blood and semen selenium, glutathione peroxidase and seminal quality. Bartle JL, et al. **Biol Reprod** 1980 Dec;23(5):1007–13

Uterine contractions and electrical activity in ewes treated with selenium and vitamin E. Segerson EC Jr, et al. **Biol Reprod** 1980 Dec;23(5):1020–8

Glutathione peroxidase response in tissues of rats fed diets containing fish protein concentrate prepared from shark flesh of known mercury and selenium contents. Thrower SJ, et al. **Bull Environ Contam Toxicol** 1981 Jan;26(1):77–84

Selenium-independent glutathione peroxidase activity in rabbit liver. Morrissey P, et al. **Can J Biochem** 1980 Oct; 58(10):1012–7

Stable isotope fractionation by Clostridium pasteurianum. 3. Effect of SeO32- on the physiology and associated sulfur isotope fractionation during SO32- and SO42- reductions. Harrison GI, et al. **Can J Microbiol** 1980 Aug;26(8):952–8

Selenium-mediated inhibition of mouse mammary tumorigenesis. Medina D, et al. **Cancer Lett** 1980 Jan; 8(3):241–5

Induction of DNA repair by some selenium compounds. Russell GR, et al. **Cancer Lett** 1980 Jul;10(1):75–81

Effect of combined selenium and retinyl acetate treatment on mammary carcinogenesis. Thompson HJ, et al. **Cancer Res** 1981 Apr;41(4):1413–6

Evaluation of vitamin E and selenium protection against chronic adriamycin toxicity in rabbits. Van Vleet JF, et al. **Cancer Treat Rep** 1980 Feb–Mar;64(2-3):315–7

The effects of dietary antioxidants on NO2- induced injury to type 1 alveolar cells. Evans MJ, et al. **Chest** 1981 Jul; 80(1 Suppl):5–8

Interaction of alkylmercuric compounds with sodium selenite. I. Metabolism of ethylmercuric chloride administered alone and in combination with sodium selenite in rats. Brzeźnicka EA, et al. **Environ Health Perspect** 1981 Jun;39:131–42

Chromosomal effects of sodium selenite in vivo II. Aberrations in mouse bone marrow and primary spermatocytes. Norppa H, et al. **Hereditas** 1980;93(1):97–9

Chromosomal effects of sodium selenite in vivo. III. Aberrations and sister chromatid exchanges in Chinese hamster bone marrow. Norppa H, et al. **Hereditas** 1980; 93(1):101–5

Chromosomal effects of sodium selenite in vivo. I. Aberrations and sister chromatid exchanges in human lymphocytes. Norppa H, et al. **Hereditas** 1980;93(1):93–6
Effect of dietary and injectable vitamin E and selenium in weanling swine antigenically challenged with sheep red blood cells. Peplowski MA, et al. **J Anim Sci** 1980 Aug; 51(2):344–51
Fertilization of ova in selenium/vitamin E–treated ewes maintained on two planes of nutrition. Segerson EC, et al. **J Anim Sci** 1980 Aug;51(2):386–94
Selenium-dependent and selenium-independent formate dehydrogenases of Methanococcus vannielii. Separation of the two forms and characterization of the purified selenium-independent form. Jones JB, et al. **J Biol Chem** 1981 Jan 25;256(2):656–63
Synthesis of seleno- and thioguanine-platinum(II) complexes and their antitumor activity in mice. Maeda M, et al. **J Med Chem** 1981 Feb;24(2):167–9
Inhibition of influenza A virus replication by rifampicin and selenocystamine. Hamzehei M, et al. **J Med Virol** 1980; 6(2):169–74
Dietary selenium and age-related susceptibility of rat erythrocytes to oxidative damage. Chow CK, et al. **J Nutr** 1980 Dec;110(12):2460–6
Effects of sodium selenite on distribution and placental transfer of mercuric mercury in mice of late gestational period. Satoh H, et al. **J Pharmacobiodyn** 1981 Mar; 4(3):191–6
Selenium inhibition of N-methyl-N-nitrosourea-induced mammary carcinogenesis in the rat. Thompson HJ, et al. **JNCI** 1980 Dec;65(6):1299–301
Antimutagenic effect of selenium on acridine orange and 7,12-dimethylbenz[alpha]anthracene in the Ames Salmonella/microsomal system. Martin SE, et al. **Mutat Res** 1981 Jun;82(1):41–6
Dependence of the sister-chromatid exchange-inducing abilities of inorganic selenium compounds on the valence state of selenium. Ray JH, et al. **Mutat Res** 1980 Jul; 78(3):261–6
Selenocystine-resistant mutants of Histoplasma capsulatum. Jacobson ES, et al. **Mycopathologia** 1981 Mar 13; 73(3):177–81
Influence of selenium, vitamin E, and ethoxyquin on lipid peroxidation in muscle tissues from fowl during low temperature storage. Combs GF Jr, et al. **Poult Sci** 1980 Feb;59(2):347–51
Effects of selenium on chemical carcinogens. Jacobs MM. **Prev Med** 1980 May;9(3):362–7
Influence of dietary selenium and vitamin E on the humoral immune response of the chick. Marsh JA, et al. **Proc Soc Exp Biol Med** 1981 Feb;166(2):228–36
Sex-related differences in selenium-induced alterations in drug action in the rat. Schnell RC, et al. **Res Commun Chem Pathol Pharmacol** 1981 Jun;32(3):561–4
Absorption of 35S-thiamine in jejunum and its brain and liver content in chickens on different selenium level diets. Lazarov Y, et al. **Rev Esp Fisiol** 1980 Dec;36(4):377–81
Selenium antagonism of cadmium-induced inhibition of hepatic drug metabolism in the male rat. Early JL Jr, et al. **Toxicol Appl Pharmacol** 1981 Mar 30;58(1):57–66
Effects of sodium selenite on the cytotoxicity of dental amalgam. Kumei Y, et al. **Toxicol Appl Pharmacol** 1981 Jun 30;59(2):257–61
[Effect of dl-alpha-tocopherol on incorporation of selenium in 'selenium-indicating' organs and on glutathione peroxidase activity in rat and rabbit erythrocytes following application of therapeutic doses of sodium selenite] Wiesner E, et al. **Arch Exp Veterinaermed** 1981;35(1):97–107 (Eng. Abstr.) **(Ger)**
[Effect of sodium selenite on RNA synthesis in loach embryos] Abdullaev GB, et al. **Biokhimiia** 1980 Jan; 45(1):98–102 (Eng. Abstr.) **(Rus)**
[Study of the effect of sodium selenide on the growth of some mycobacterial strains (author's transl)] Vincúrová M, et al. **Bratisl Lek Listy** 1980 Aug;74(2):215–22 (Eng. Abstr.) **(Slo)**

PHYSIOLOGY

Relationships between selenium and other parameters in drinking water and blood of subjects from high and low cardiovascular disease rate areas of Georgia. Andrews JW, et al. **J Environ Pathol Toxicol** 1980 Sep;4(2–3):313–8
Selenium in the drinking water and cardiovascular disease. Shamberger RJ. **J Environ Pathol Toxicol** 1980 Sep; 4(2–3):305–8 (16 ref.)
Assessment of vitamin E status in animals and man. Combs GF. **Proc Nutr Soc** 1981 May;40(2):187–94 (35 ref.)
[Selen. Trace metal which may protect against toxic oxygen compounds] Alexander J, et al. **Tidsskr Nor Laegeforen** 1980 Jun 10;100(16):1080–3 (Eng. Abstr.) **(Dan)**

POISONING

Selenium: childhood poisoning and cystic fibrosis. Snodgrass W, et al. **Clin Toxicol** 1981 Feb;18(2):211–20
Selenium poisoning and embryogenesis: light and electron microscopic studies of the heart. Khan MY, et al. **Environ Res** 1980 Oct;23(1):98–109

THERAPEUTIC USE

Induction of lesions of selenium-vitamin E deficiency in ducklings fed silver, copper, cobalt, tellurium, cadmium, or zinc: protection by selenium or vitamin E supplements. Van Vleet JF, et al. **Am J Vet Res** 1981 Jul;42(7):1206–17
Effect of selenium-vitamin E on hematologic alterations of adriamycin toxicosis in young pigs. Van Vleet JF, et al. **Am J Vet Res** 1981 Jul;42(7):1153–9
Inhibitory effects of selenium on the growth of L1210 leukemic cells. Milner JA, et al. **Cancer Res** 1981 May; 41(5):1652–6
Antiperoxidant pretreatment and iron-induced epileptiform discharges in the rat: EEG and histopathologic studies. Willmore LJ, et al. **Neurology (NY)** 1981 Jan;31(1):63–9
Effect of daily supplements of selenium on patients with muscular complaints in Otago and Canterbury. Robinson MF, et al. **NZ Med J** 1981 May 13;93(683):289–92
The effects of dietary selenium and vitamin E on avian white muscle disease as measured by both chemical and physical parameters. Gill TA, et al. **Poult Sci** 1980 Sep;59(9):2088–97
[Serial x-ray observations on the therapeutic effects of sodium selenite and vitamin E in Kashin-Beck disease of hand parts only (author's transl)] Li CZ. **Chung Hua Fang She Hsueh Tsa Chih** 1980;14(1):6–8 **(Chi)**
[Pathogenetic role of lipid peroxidation and the protective role of sodium selenite in ischemia and myocardial reperfusion] Litvitskiĭ PF, et al. **Biull Eksp Biol Med** 1981 Mar;91(3):271–4 (Eng. Abstr.) **(Rus)**
[Effect of sodium selenite and alpha-tocopherol on the microcirculation in massive blood loss in dogs] Shvetsov IM, et al. **Farmakol Toksikol** 1980 Mar–Apr;43(2):177–80 (12 ref.) (Eng. Abstr.) **(Rus)**

TOXICITY

Effects of copper pretreatment upon toxicity of selenium in ponies. Stowe HD. **Am J Vet Res** 1980 Dec;41(12):1925–8
Toxic effect of various selenium compounds on the rat in the early postnatal period. Oštádalová I, et al. **Arch Toxicol** 1980 Sep;45(3):207–11
Toxicology of selenium: a review. Wilber CG. **Clin Toxicol** 1980;17(2):171–230 (117 ref.)
Histological evaluation of selenium induced cataracts. Shearer TR, et al. **Exp Eye Res** 1980 Sep;31(3):327–33
Mitochondrial alterations induced by selenium in guinea pig myocardium. Dini G, et al. **Exp Mol Pathol** 1981 Apr; 34(2):226–35
The safety of selenium sulfide, and other news from Washington [editorial] Millikan LE. **J Am Acad Dermatol** 1980 Oct;3(4):430–1
Selenium: occurrence in foods and its toxicological significance--a review. Lo MT, et al. **J Environ Pathol Toxicol** 1980 Aug;4(1):193–218 (196 ref.)
Effects of selenium, alone and in combination with silver or arsenic, in rats. Cabe PA, et al. **Neurobehav Toxicol** 1979 Winter;1(4):275–8
Toxicity of selenium compounds to alveolar macrophages. Medinsky MA, et al. **Toxicol Lett** 1981 Jun–Jul; 8(4–5):289–93

URINE

Subject groups high and low in urinary selenium levels: workers exposed to heavy metals and patients with cancer and epilepsy. Hojo Y. **Bull Environ Contam Toxicol** 1981 Apr;26(4):466–71

SELENOMETHIONINE see under **SELENIUM**

SELF see **EGO**

SELF ADMINISTRATION

Total parenteral nutrition [letter] Weinsier RL, et al. **Ala J Med Sci** 1980 Jul–Oct;17(3–4):256
Prescribed medicines: who takes what? Anderson R. **J Epidemiol Community Health** 1980 Dec;34(4):299–304
Intravenous self-administration of etonitazene, cocaine and phencyclidine in rats during food deprivation and satiation. Carroll ME, et al. **J Pharmacol Exp Ther** 1981 May; 217(2):241–7
Self-medication of psychiatric patients. Lane DE. **J Psychiatr Nurs** 1981 May;19(5):27–8
Reversal of schedule-induced self-injection of heroin by naloxone. Oei TP. **Pharmacol Biochem Behav** 1980 Sep; 13(3):457–9
Lethal self-administration of morphine by rats. Beck SG, et al. **Physiol Behav** 1980 Oct;25(4):559–64
Continuous-access phencyclidine self-administration by rhesus monkeys leading to physical dependence. Balster RL, et al. **Psychopharmacology (Berlin)** 1980;70(1):5–10
Determinants of increased drug self-administration due to food deprivation. Carroll ME, et al. **Psychopharmacology (Berlin)** 1981;74(3):197–200
Characteristics of chronic self-administration of morphine by dogs. Jones BE, et al. **Psychopharmacology (Berlin)** 1981; 74(3):204–7
Effects of levo-alpha-acetylmethadol (LAAM) on morphine self-administration in the rat. Lukas SE, et al. **Psychopharmacology (Berlin)** 1981;73(1):12–6
Impact of hemophilia home therapy program on a regional blood center. Lello CJ, et al. **Wis Med J** 1980 Oct; 79(10):36–8

INSTRUMENTATION

A medication monitor and fluorescein technique designed to study medication behaviour. Norell SE, et al. **Acta Ophthalmol (Copenh)** 1980 Jun;58(3):459–67
Self-administration of insulin by a hemiplegic individual [letter] Keon HM, et al. **Diabetes Care** 1980 Nov–Dec; 3(6):705
An improved pneumatic syringe for self-administration of drugs by rats. Weeks JR. **Pharmacol Biochem Behav** 1981 Apr;14(4):573–4
Drug compliance in elderly hospital in-patients. Trial of the Dosett box. Crome P, et al. **Practitioner** 1980 Aug; 224(1346):782–5

METHODS

Use of lignocaine and atropine autoinjectors for patients at high risk of sudden death and reinfarction after myocardial infarction. Sloman G, et al. **Med J Aust** 1981 Apr 4; 1(7):349–51

PSYCHOLOGY

Patient compliance with antihypertensive medication. Hershey JC, et al. **Am J Public Health** 1980 Oct; 70(10):1081–9
The negative influence of families on compliance. Strickland R, et al. **Hosp Community Psychiatry** 1981 May; 32(5):349–50

SELF ASSESSMENT (PSYCHOLOGY)

Diagnosis of twin zygosity by self-assessment and by genetic analysis. King MC, et al. **Acta Genet Med Gemellol (Roma)** 1980;29(2):121–6
Cross-study comparisons of self-reported alcohol consumption in four clinical groups. Adams KM, et al. **Am J Psychiatry** 1981 Apr;138(4):445–9
Functional Status Index: reliability of a chronic disease evaluation instrument. Jette AM. **Arch Phys Med Rehabil** 1980 Sep;61(9):395–401
Behavioral approaches to treatment of chronic pain: the inaccuracy of patient self-report measures. Kremer EF, et al. **Arch Phys Med Rehabil** 1981 Apr;62(4):188–91
The self-assessment manual: a strategy to improve local child welfare services. Sundel M, et al. **Child Welfare** 1980 Dec; 59(10):625–36
The reliability of clinical mood assessment: patients' self-reports versus observer ratings. Slavney PR, et al. **Compr Psychiatry** 1981 Mar–Apr;22(2):162–6
Empirical correlates of self-report drinking measures. Babor TF, et al. **Curr Alcohol** 1979;7:161–8
Peer and self-rating: children's perception of behavior relevant to hyperkinetic impulse disorder. Glow RA, et al. **J Abnorm Child Psychol** 1980 Dec;8(4):471–90
Development of a geriatric behavioral self-assessment scale. Yesavage JA, et al. **J Am Geriatr Soc** 1981 Jun;29(6):285–8
Adjective Check List self and ideal self correlates of MMPI profiles classified according to the Meehl-Dahlstrom rules. Lazzari R, et al. **J Clin Psychol** 1980 Oct;36(4):905–10
Readabaility of marital assessment measures used by behavioral marriage therapists. Dentch GE, et al. **J Consult Clin Psychol** 1980 Dec;48(6):790–2
Self-assessment in family practice. Herndon A, et al. **J Fam Pract** 1981 Jul;13(1):137–8
Factors affecting the self-esteem of the homosexual individual. Jaobs JA, et al. **J Homosex** 1980 Summer; 5(4):373–82
Variables related to the acquisition of a gay identity. Troiden RR, et al. **J Homosex** 1980 Summer;5(4):383–92
Children's symptom and social functioning self-report scales. Comparison of mothers' and children's reports. Weissman MM, et al. **J Nerv Ment Dis** 1980 Dec;168(12):736–40
Identifying behavior associated with verbal self-corrections of aphasic clients. Marshall RC, et al. **J Speech Hear Disord** 1981 May;46(2):168–73
A self-instructional social skills training program for mentally retarded persons. Matson JL, et al. **Ment Retard** 1980 Oct; 18(5):245–8
Mentally retarded individuals as informants for the AAMD adaptive behavior scale. Nathan M, et al. **Ment Retard** 1980 Apr;18(2):82–4
Self-monitoring of work performance with mentally retarded adults: effects upon work productivity, work quality, and on-task behavior. Zohn CJ, et al. **Ment Retard** 1980 Feb; 18(1):19–25
Adolescents' self-assessment of sexual maturation. Duke PM, et al. **Pediatrics** 1980 Dec;66(6):918–20
Nephrotic syndrome family self-assessments questioned [letter] Sabbeth BF. **Pediatrics** 1981 Feb;67(2):308–9
Beyond self-help. The underlying assumptions of paperback therapy. Roncoli M. **Perspect Psychiatr Care** 1980 Sep–Oct; 18(5):210–3
Social Desirability, defensiveness and self-report psychiatric inventory scores. Parkes KR. **Psychol Med** 1980 Nov; 10(4):735–42
[Effects of handicap, depression and somatic disorders on the self assessment of health] Christe E, et al. **Soz Praeventivmed** 1980 Sep;25(4):220–2 (Eng. Abstr.) **(Fre)**
[Emotional reactions to divorce] Bojanovsky J. **Fortschr Med** 1981 May 14;99(18):659–60, 676 **(Ger)**
[Objective performance reproduction and self assessment of

brain damaged patients, schizophrenics and neurotics] Langlotz M, et al. **Z Exp Angew Psychol** 1981;28(3):428–46 (Eng. Abstr.) **(Ger)**

[Comparison of responses on selected clinical scales in patients with depressive syndromes (author's transl)] Krzyżowski J, et al. **Psychiatr Pol** 1981 Jan–Feb; 15(1):49–57 (Eng. Abstr.) **(Pol)**

SELF CARE

Patient self–monitoring of blood glucose and refinements of conventional insulin treatment. Tattersall R, et al. **Am J Med** 1981 Jan;70(1):177–82

Home peritoneal dialysis. Denniston DJ, et al. **Am J Nurs** 1980 Nov;80(11):2022–6

Are reflectance meters necessary for home blood glucose monitoring? [letter] Baumer JH, et al. **Br Med J** 1980 Nov 8;281(6250):1286

Glycosylated hemoglobin: a tool in identifying psychological problems? [editorial] Citrin W, et al. **Diabetes Care** 1980 Jul–Aug;3(4):563–4

Jet injection of insulin during self–monitoring of blood glucose. Danowski TS, et al. **Diabetes Care** 1978 Jan–Feb; 1(1):27–33

Urine glucose tests for diabetic patients with impaired vision. Free AH, et al. **Diabetes Care** 1978 Jan–Feb;1(1):14–7

Self–montoring of blood glucose during pregnancy in women with juvenile Diabeters. Karp M, et al. **Diabetes Care** 1980 Jan–Feb;3(1):175–7

Meters or strips? [letter] Kossover MF, et al. **Diabetes Care** 1981 Mar–Apr;4(2):333–4

Performance of technical skills of diabetes management: increased independence after a camp experience. Lebovitz FL, et al. **Diabetes Care** 1978 Jan–Feb;1(1):23–6

Patient recall of self–care recommendations in diabetes. Page P, et al. **Diabetes Care** 1981 Jan–Feb;4(1):96–8

Healthism and the medicalization of everyday life. Crawford R. **Int J Health Serv** 1980;10(3):365–88

Evaluation of a self–help education–exercise program for asthmatic children and their parents: six–month follow–up. Staudenmayer H, et al. **J Asthma** 1981 Jan;18(1):1–5

Three hundred years of family health care: some perspectives. Curtis P. **J Fam Pract** 1981 Feb;12(2):323–7

Self–care and self–medication. Fry J. **J Fam Pract** 1981 Jan; 12(1):151–2

The clinical prediction of premature labour by self–observation of uterine contractility and external tocography. Surányi S, et al. **J Perinat Med** 1981;9 Suppl 1:140–1

Training independent living rehabilitation specialists. Roessler RT. **J Rehabil** 1981 Apr–Jun;47(2):36–9

Conversion to intermittent self–catheterization simplified. Smith AD, et al. **J Urol** 1981 Jan;125(1):30–1

Some question home blood–glucose monitoring [news] Check WA. **JAMA** 1980 Sep 19;244(12):1302

Home parenteral nutrition. Grundfest S. **JAMA** 1980 Oct 10;244(15):1701–3

COPD therapy begins at home with breathing device [news] Gunby P. **JAMA** 1981 Jul 24–31;246(4):323–4

Self–care: a health diary study. Freer CB. **Med Care** 1980 Aug;18(8):853–61

Home monitoring of blood glucose: a retrospective assessment in 38 insulin–requiring diabetics. Cox R, et al. **NZ Med J** 1980 Sep 10;92(667):193–6

Problems in home monitoring of blood glucose. Pantin CF, et al. **Postgrad Med J** 1980 Nov;56(661):757–60

Achieving CAPD for diabetics. Flynn CT, et al. **Proc Clin Dial Transplant Forum** 1979;9:128

Developing programs meeting the special needs of physically disabled adolescents. Haraguchi RS. **Rehabil Lit** 1981 Mar–Apr;42(3–4):75–8

[Backache and patient behavior. Self care is more frequent] Gannik D, et al. **Nord Med** 1980 Oct;95(10):247–50 **(Dan)**

[Effects of teaching on self–examination of the breast] Hennink MP, et al. **Ned Tijdschr Geneeskd** 1981 Feb 21; 125(8):323–5 (Eng. Abstr.) **(Dut)**

[Home checking of blood glucose levels] Ninane G, et al. **Rev Med Liege** 1980 Nov 1;35(21):701–6 **(Fre)**

[Complications in home dialysis] Bunnemann U. **Lebensversicherungsmedizin** 1980 May;32(3):63–5 (Eng. Abstr.) **(Ger)**

[Self treatment through self medication] Frey U. **Soz Praeventivmed** 1980 Mar;25(1–2):33–5 (Eng. Abstr.) **(Ger)**

[Diabetic control. Self control of urinary and blood glucose and measurement of glycosylated hemoglobin (HbA1)] Hanssen KF, et al. **Tidsskr Nor Laegeforen** 1981 May 10; 101(13):780–4 (Eng. Abstr.) **(Nor)**

[Intermittent self–catheterization] Tveter KJ. **Tidsskr Nor Laegeforen** 1980 Oct 30;100(30):1776–7 (Eng. Abstr.) **(Nor)**

ECONOMICS

Cost effectiveness of home vs clinic blood pressure measurements [letter] Gillum RF, et al. **Am Heart J** 1981 May;101(5):689–90

Effect of self–care book [letter] Vickery DM, et al. **JAMA** 1981 Jan 23–30;245(4):341–2

INSTRUMENTATION

Intermittent self–catheterisation: a new instrument. Bruijnen CL, et al. **Br J Urol** 1981 Apr;53(2):198

Are reflectance meters necessary for home blood glucose monitoring? [letter] Cohen M, et al. **Br Med J [Clin Res]** 1981 Feb 28;282(6265):742

Long–term modified Goeckerman regimen for psoriasis using an ultraviolet B light source in the home. Jordan WP Jr, et al. **J Am Acad Dermatol** 1981 May;4(5):584–91

[Blood pressure control in the home] Stjernebjerg T, et al. **Ugeskr Laeger** 1980 Sep 1;142(36):2336–8 (Eng. Abstr.) **(Dan)**

METHODS

Are reflectance meters necessary for home blood glucose monitoring? Ferguson SD, et al. **Br Med J** 1980 Oct 4; 281(6245):912

Are reflectance meters necessary for home blood glucose monitoring? [letter] Home PD, et al. **Br Med J [Clin Res]** 1981 Jan 10;282(6258):149

The technology of self–control. Appleby KA, et al. **Physiotherapy** 1980 Dec;66(12):403–5

[Self–observation for objective assessment of parafunction] Schulte W. **Dtsch Zahnaerztl Z** 1980 Jun;35(6):608–10 (Eng. Abstr.) **(Ger)**

[Problems and errors in the measuring and interpretation of blood pressure. Part 12. Patient self–measuring of blood pressure] Holzgreve H. **MMW** 1980 Nov 14;122(46):suppl 53–8 **(Ger)**

PSYCHOLOGY

Social factors associated with breast self–examination among high risk women. Howe HL. **Am J Public Health** 1981 Mar;71(3):251–5

Behavioural aspects of the management of diabetes mellitus: education, self–care and metabolic control. Watts FN. **Behav Res Ther** 1980;18(3):171–80

Social and psychological responses to home treatment of haemophilia. Kaufert JM. **J Epidemiol Community Health** 1980 Sep;34(3):194–200

Assessment of Preferences for self–treatment and information in health care. Krantz DS, et al. **J Pers Soc Psychol** 1980 Nov;39(5):977–90

A new method of blood pressure recording that may enhance patient compliance. Gelman ML, et al. **JAMA** 1981 Jul 24–31;246(4):368–70

Attitudes toward self–care: a consumer study. Green KE, et al. **Med Care** 1980 Aug;18(8):872–7

[Psychosocial aspects of self–care by patients under long–term dialysis] Munakata T, et al. **Nippon Rinsho** 1980 Jun;38(6):2444–53 **(Jpn)**

SELF CARE (REHABILITATION) see **ACTIVITIES OF DAILY LIVING**

SELF–CARE UNITS see under **HOSPITAL UNITS**

SELF CONCEPT

see related

BODY IMAGE

Self discrepancy between the perceived self and the ideal; self and emotional stability of stripteasers. Peretti PO, et al. **Acta Psychiatr Belg** 1980 Jan–Feb;80(1):79–90

The reactivity of addictive behaviors to self–monitoring: a functional analysis. Fremouw WJ, et al. **Addict Behav** 1980; 5(3):209–17

Adolescent self–esteem, emotional learning disabilities, and significant others. Peck DG. **Adolescence** 1981 Summer; 16(62):443–51

Women who abuse their children: implications for pediatric practice. Rosen B, et al. **Am J Dis Child** 1980 Oct; 134(10):947–50

Dealing with feelings: positive self talk. Knowles RD. **Am J Nurs** 1981 Mar;81(3):535

Pathological grief and the activation of latent self–images. Horowitz MJ, et al. **Am J Psychiatry** 1980 Oct; 137(10):1157–2

The stress of self–realization. Symonds A. **Am J Psychoanal** 1980 Winter;40(4):293–300

New frontiers in Horney theory of self–realization. Wassell BB. **Am J Psychoanal** 1980 Winter;40(4):333–46

The genesis and nature of self–esteem. Chrzanowski G. **Am J Psychother** 1981 Jan;35(1):38–46

Supervision and self–esteem in psychiatric teaching. Muslin H, et al. **Am J Psychother** 1980 Oct;34(4):545–55

The impact of the deflated self–image on the prolongation of treatment. Stamm JL. **Am J Psychother** 1981 Apr; 35(2):276–86

Self–esteem of severely burned patients. Bowden ML, et al. **Arch Phys Med Rehabil** 1980 Oct;61(10):449–52

Video–feedback and personal attribution in anorexic, depressed and normal viewers. Biggs SJ, et al. **Br J Med Psychol** 1980 Sep;53(3):249–54

From denial to self–awareness: a 20 years' study of a case of childhood delinquency evolving into adult neurosis. Limentani A. **Br J Med Psychol** 1981 Jun;54(Pt 2):175–86

Constructs and 'conflict' in depression. Sheehan MJ. **Br J Psychol** 1981 May;72(Pt 2):197–209

Hyperactives as young adults: self–esteem and social skills. Hechtman L, et al. **Can J Psychiatry** 1980 Oct;25(6):478–83

Fostering self–esteem in families with diabetic children. Hill EM, et al. **Child Welfare** 1980 Nov;59(9):576–82

Primary and secondary affective disorder: Part II. Differences in usual state self–perceptions. Brim J, et al. **Compr Psychiatry** 1980 Sep–Oct;21(5):388–95

Symbolic self–expression in drug addiction. Marinow A. **Confin Psychiatr** 1980;23(2):103–8

Lateralized asymmetries in self–perception. Strauss E, et al. **Cortex** 1980 Aug;16(2):289–93

The importance of self–assessed health in patients with diabetes. Linn MW, et al. **Diabetes Care** 1980 Sep–Oct; 3(5):599–606

Self–esteem and depression in adolescent diabetic girls. Sullivan BJ. **Diabetes Care** 1978 Jan–Feb;1(1):18–22

An examination of the relationship between drinking status after treatment and the self–evaluation of the alcoholic. Wald HP. **Drug Alcohol Depend** 1980 Nov;6(5):285–93

Age differences in life satisfaction as a function of discrepancy between real and ideal self concepts. Czaja SJ. **Exp Aging Res** 1975 Sep;1(1):81–9

Structure of the self–concept from adolescence through old age. Monge RH. **Exp Aging Res** 1975 Nov;1(2):281–91

Body image, self–esteem, and sexuality in cancer patients. **Front Radiat Ther Oncol** 1979;14:1–133

Self–esteem, sexuality and cancer–related stress. Cantor RC. **Front Radiat Ther Oncol** 1979;14:51–4

Sexual functioning, self–esteem and cancer care. Schain WS. **Front Radiat Ther Oncol** 1979;14:12–9

The divided self in adolescence. Broughton JM. **Hum Dev** 1981;24(1):13–32

Causes and consequences of health self–report variations among older people. Graney MJ, et al. **Int J Aging Hum Dev** 1981;12(4):291–300

The adjustment of the older woman: effects of chronic ill health and attitudes toward retirement. Levy SM. **Int J Aging Hum Dev** 1980;12(2):93–110

Age differences in life satisfaction, locus of control, and self–concept. Nehrke MF, et al. **Int J Aging Hum Dev** 1980; 11(1):25–33

Sex role identity and self esteem in adulthood. Puglisi JT, et al. **Int J Aging Hum Dev** 1980;12(2):129–38

Formation of professional images among Israeli student nurses. Ichilov O, et al. **Int J Nurs Stud** 1980;17(4):247–59

Physical self–concept changes in a mildly, facially disfigured neurofibromatosis patient following communication skill training. Roback HB, et al. **Int J Psychiatry Med** 1981–82; 11(2):137–43

Some aspects of self–concept in blind students. Cálek O. **Int J Rehabil Res** 1980;3(2):248–50

Stereotypes and self–image: learning to be old. Beran B, et al. **Isr J Psychiatr Relat Sci** 1981;18(1):41–56

Schematic processing and self–reference in clinical depression. Derry PA, et al. **J Abnorm Psychol** 1981 Aug; 90(4):286–97

The identity of the psychoanalyst [editorial] Cantor MD. **J Am Acad Psychoanal** 1980 Jul;8(3):307–9

Distortion in self–reported height and weight data. Pirie P, et al. **J Am Diet Assoc** 1981 Jun;78(6):601–6

The perspective of the self–representation: some clinical implications. Eisnitz AJ. **J Am Psychoanal Assoc** 1981; 29(2):309–36

Depression and self–esteem: an investigation that used behavioral and cognitive approaches to the treatment of clinically depressed clients. Gardner P, et al. **J Clin Psychol** 1981 Jan;37(1):128–35

An investigation of self–concept and body image in the mentally retarded. Ottenbacher K. **J Clin Psychol** 1981 Apr;37(2):415–8

Sense of personal worth, self–esteem, and anomia of child–abusing mothers and controls. Shorkey CT. **J Clin Psychol** 1980 Jul;36(3):817–20

Naturally acquired learned helplessness: the relationship of school failure to achievement behavior, attributions, and self–concept. Johnson DS. **J Educ Psychol** 1981 Apr; 73(2):174–80

A quantitative approach to perceived health status: a validation study. Hunt SM, et al. **J Epidemiol Community Health** 1980 Dec;34(4):281–6

Self–concept, locus of control, goal blockage, and coronary–prone behavior pattern in children and adolescents: Bogalusa heart study. Wolf TM, et al. **J Gen Psychol** 1981 Jul;105(First Half):13–26

Self–concepts of chronically ill children. Burns WJ, et al. **J Genet Psychol** 1980 Dec;137(2):179–90

The aged subculture hypothesis: social integration, gerontophilia and self–conception. Longino CF Jr, et al. **J Gerontol** 1980 Sep;35(5):758–67

Factors affecting the self–esteem of the homosexual individual. Jaobs JA, et al. **J Homosex** 1980 Summer; 5(4):373–82

Body and self: a dialectic. Gadow S. **J Med Philos** 1980 Sep; 5(3):172–85

The self–image of adolescents with acute anorexia nervosa. Casper RC, et al. **J Pediatr** 1981 Apr;98(4):656–61

Gifted students' self–images as a function of identification procedure, race, and sex. Tidwell R. **J Pediatr Psychol** 1980 Mar;5(1):57–69

Low adolescent self–esteem leads to multiple interpersonal problems: a test a social–adaptation theory. Kahle LR, et al. **J Pers Soc Psychol** 1980 Sep;39(3):496–502

Response to stress, cognitive coping strategies, and the type A behavior pattern. Pittner MS, et al.

J Pers Soc Psychol 1980 Jul;39(1):147–57

Self-concept in children with and without physical disabilities. Molla PM. **J Psychiatr Nurs** 1981 Jun; 19(6):22–7

Self-recognition ability in mentally retarded adolescents. Fryrear JL, et al. **J Psychol** 1981 May;108(First Half):123–31

Effect of cooperative, competitive, and individualistic experiences on self-esteem of handicapped and nonhandicapped students. Johnson RT, et al. **J Psychol** 1981 May;108(First Half):31–4

Self-handicapping following learned helplessness treatment and the type A coronary-prone behavior pattern. Weidner G. **J Psychosom Res** 1980;24(6):319–25

Dimensions of improvement in stuttering. Silverman FH. **J Speech Hear Res** 1980 Mar;23(1):137–51

On the transaction of social change processes and the perception of self in relation to others: a study of Greek preadolescents. Katakis CD. **Ment Health Soc** 1978; 5(5–6):275–83

Self-esteem and self-derogation theory of drug abuse. Kaplan HB. **Natl Inst Drug Abuse Res Monogr Ser** 1980 Mar; (30):128–31

An ego/self theory of substance dependence: a contemporary psychoanalytic perspective. Khantzian EJ. **Natl Inst Drug Abuse Res Monogr Ser** 1980 Mar;(30):29–33

Self-esteem theory of drug abuse. Steffenhagen RA. **Natl Inst Drug Abuse Res Monogr Ser** 1980 Mar;(30):157–63

Social values, attitudes, and involvement of the self. Sherif CW. **Nebr Symp Motiv** 1980;27:1–64

Attitudes, values, and selfhood. Smith MB. **Nebr Symp Motiv** 1980;27:305–50

Symbolic acts and the development of a professional identity. Gendron D. **Nurs Outlook** 1981 Jan;29(1):31–4

An investigation of nursing student self-concept levels: a pilot survey. Ellis LS. **Nurs Res** 1980 Nov–Dec; 29(6):389–90

Self-esteem changes in hospitalized school-age children. Riffee DM. **Nurs Res** 1981 Mar–Apr;30(2):94–7

Sex-role identity and image of nursing of females at two levels of baccalaureate nursing education. Till TS. **Nurs Res** 1980 Sep–Oct;29(5):295–300

Relationship between self-esteem and depression among high school students. Battle J. **Percept Mot Skills** 1980 Aug; 51(1):157–8

Factor structure of the Tennessee Self-Concept Scale for an institutionalized, disabled population. Boyle ES, et al. **Percept Mot Skills** 1981 Apr;51(2):575–82

From wife to family head: transitions in self-identity. Kohen JA. **Psychiatry** 1981 Aug;44(3):230–40

Consciousness of self and painful self-consciousness. Amsterdam BK, et al. **Psychoanal Study Child** 1980; 35:67–83

Self-perception of employed and unemployed haemophiliacs. Markova I, et al. **Psychol Med** 1980 Aug;10(3):559–65

Intercorrelations among scale scores of the personal orientation inventory for nursing students. Martin JD, et al. **Psychol Rep** 1981 Feb;48(1):199–202

Relationship between death anxiety and components of the self-actualization process. Vargo ME, et al. **Psychol Rep** 1981 Feb;48(1):89–90

Measures of deviant behavior, activity level, and self-concept for educable mentally retarded-emotionally disturbed students. Wolf TM. **Psychol Rep** 1981 Jun;48(3):903–10

Patients at risk on a cardiac rehabilitation unit: implications for a liaison model. Daggett LR. **Psychosomatics** 1980 Dec; 21(12):1007, 1010–4

Self-concept and body-image of children during physical illness. Hong SD, et al. **Psychosomatics** 1981 Feb; 22(2):128–30, 135

Comparison of self-concepts of women high school and college tournament basketball players. Young ML. **Res Q Exerc Sport** 1981 May;52(2):286–90

Phenomenological access to the consciousness in psychiatry, III. Pathology of self-consciousness. Callieri B. **Riv Biol** 1980 Winter;73(4):537–49 **(Eng, Ita)**

Commitment to work and the self-perception of disability. Schechter ES. **Soc Secur Bull** 1981 Jun;44(6):22–30, 37

[Systematic promotion of self confidence and self determination in institutionalized children. A general practice report] Peters J. **Prax Kinderpsychol Kinderpsychiatr** 1981 Jul;30(5):182–5 (Eng. Abstr.) **(Ger)**

[Tussography for objectifying the Severity of tussive complaints (author's transl)] Bleicher B, et al. **Prax Klin Pneumol** 1981 Feb;35(2):82–4 (Eng. Abstr.) **(Ger)**

[Self-esteem in patients with ulcerative colitis] Zepf S, et al. **Psyche (Stuttg)** 1981 Feb;35(2):142–56 (Eng. Abstr.) **(Ger)**

[Types of self-contemplation (author's transl)] Langen D. **Psychother Psychosom Med Psychol** 1980 Jul;30(4):139–73 (Eng. Abstr.) **(Ger)**

[Regulation of the breadth of the field of self recognition] Firrao S. **Ann Osp Maria Vittoria Torino** 1979 Jan–Jun; 22(1–6):72–91 (Eng. Abstr.) **(Ita)**

[The treatment organization: therapeutic or antitherapeutic community? Some organizational aspects on environmental therapy of ego-weak patients] Larsen E. **Tidsskr Nor Laegeforen** 1981 May;101(14):843–848 (Eng. Abstr.) **(Nor)**

[The sense of life perception and neurotism in patients with chronic pulmonary tuberculosis (author's transl)] Kulpa A. **Przegl Lek** 1980;37(10):693–6 (Eng. Abstr.) **(Pol)**

[Ingratiatory behaviour in paranoid schizophrenics (author's transl)] Różycka J, et al. **Psychiatr Pol** 1981 Jan–Feb; 15(1):23–7 (Eng. Abstr.) **(Pol)**

SELF DISCLOSURE

The therapist's self-disclosure in individual psychotherapy: research and psychoanalytic therory. Rosie JS. **Can J Psychiatry** 1980 Oct;25(6):469–72

Withholding of information by psychiatric inpatients. Sacks MH, et al. **Hosp Community Psychiatry** 1981 Jun; 32(6):424–5

Are addicts' self-reports to be trusted? Ben-Yehuda N. **Int J Addict** 1980 Nov;15(8):1265–70

The assessment of stigma: implications for theory and intervention. Grupp SE, et al. **Int J Addict** 1980 Nov; 15(8):1253–63

The effects of perceived physician competence on patients' symptom disclosure to male and female physicans. Young JW. **J Behav Med** 1980 Sep;3(3):279–90

Self-disclosure: implications for mental health. Klotkowski D. **Perspect Psychiatr Care** 1980 May–Jun;18(3):112–5

Effect of therapists self-disclosure on patients' impressions of empathy, competence, and trust in an analogue of a psychotherapeutic interaction. Curtis JM. **Psychol Rep** 1981 Feb;48(1):127–36

Distribution of self-reported alcohol consumption in New Zealand, 1978–1979. Gregson RA, et al. **Psychol Rep** 1980 Aug;47(1):159–70

Perceived counseling effectiveness as a function of counselor's self-disclosure asnd client's prompting. Robey KL. **Psychol Rep** 1980 Aug;47(1):300

SELF-EVALUATION PROGRAMS see under **EDUCATIONAL MEASUREMENT**

SELF-HELP DEVICES

Bilateral shoulder disarticulation: equipment used to facilitate independence. Poole J, et al. **AJOT** 1980 Jun;34(6):397–9

Television captioning at the Clarke School for the Deaf. Canon G. **Am Ann Deaf** 1980 Sep;125(6):643–54

Closed-caption television: today and tomorrow. Cronin BJ. **Am Ann Deaf** 1980 Sep;125(6):726–8

Realizing the full potential of captioning educational films for the deaf through lesson guide utilization. Graham L, et al. **Am Ann Deaf** 1980 Sep;125(6):817–21

Evaluation of a multilevel linguistic approach to captioning television for hearing-imparied children. Murphy-Berman V, et al. **Am Ann Deaf** 1980 Dec;125(9):1072–81

Nonverbal films: guidelines for their utilization with deaf learners. Parlato SJ Jr. **Am Ann Deaf** 1980 Sep;125(6):775–9

The language arts curriculum goes Hollywood. Pollock CO. **Am Ann Deaf** 1980 Sep;125(6):849–54

New Jersey's telecommunication training program for the deaf. Torrey J. **Am Ann Deaf** 1980 Dec;125(9):1060–2

Pros and cons of the 'less effort' steering and braking systems for the severely handicapped driver. Risk HF. **Am Correct Ther J** 1980 Sep–Oct;34(5):154–5

Long-leg cast lifter. Carr K. **Am J Occup Ther** 1981 Jul; 35(7):464–5

Independent leg bag emptying technique for cervical five quadriplegic clients. Williams L, et al. **Am J Occup Ther** 1981 Jan;35(1):40–2

Electronic assistive devices: their impact on the quality of life of high level quadriplegic persons. Efthimiou J, et al. **Arch Phys Med Rehabil** 1981 Mar;62(3):131–4

Therapeutic dental aid for patient with multiple sclerosis. Garsrud O. **Br Dent J** 1981 Jun 16;150(12):356

Communication aids in patients with motor neurone disease. Perry AR, et al. **Br Med J [Clin Res]** 1981 May 23; 282(6277):1690–2

Intrahemispheric differentiation of vowels: principal component analysis of auditory evoked responses to computer-synthesized vowel sounds. Molfese DL, et al. **Brain Lang** 1981 Jul;13(2):333–44

A practical curb-climbing aid for wheelchair-bound paraplegic persons (a progress report). White RN, et al. **Bull Prosthet Res** 1980 Fall;17(2):13–9

Speech synthesizer in the Finnish language. Karjalainen MA, et al. **Folia Phoniatr (Basel)** 1980;32(4):309–14

Response time effects of alerting tone and semantic context for synthesized voice cockpit warnings. Simpson CA, et al. **Hum Factors** 1980 Jun;22(3):319–30

Telecommunications, computers and other complementary communication means on behalf of the disabled. Puig de la Bellacasa R. **Int J Rehabil Res** 1980;3(2):191–204

Talking calculators developed and delivered by the Polytechnical University of Madrid. Santos JM, et al. **Int J Rehabil Res** 1980;3(3):386

An infrared system for determining ocular position. Rinard GA, et al. **ISA Trans** 1980;19(4):3–6

Facilitating communication skills in adult apraxics: application of Blissymbols in a group setting. Lane VW, et al. **J Commun Disord** 1981 Mar;14(2):157–67

Swimming by laryngectomees. Edwards N. **J Laryngol Otol** 1981 May;95(5):535–6

A low cost portable enuresis alarm. Manson G, et al. **J Med Eng Technol** 1979 Mar;3(2):83–4

Assistive driving aids for the disabled. Reichenberger AJ. **J Med Soc NJ** 1981 Apr;78(4):271–5

Self-measurement of blood pressure. ten Berge BS. **J R Coll Gen Pract [Occas Pap]** 1980 Jul;(12):1–2

Beat the drum faster, please. Dietl D. **J Rehabil** 1980 Oct–Dec;46(4):16–20, 46, 69, 76

Non-verbal communication alternatives for handicapped individuals. Griffin HC, et al. **J Rehabil** 1980 Oct–Dec; 46(4):36–9

Assessing non-oral clients for assistive communication devices. Coleman CL, et al. **J Speech Hear Disord** 1980 Nov;45(4):515–26

DAF as instrumental treatment for dysarthria in progressive supranuclear palsy: a case report. Hanson WR, et al. **J Speech Hear Disord** 1980 May;45(2):268–76

Election criteria for the adoption of an augmentative communication system: preliminary considerations. Shane HC, et al. **J Speech Hear Disord** 1980 Aug;45(3):408–14

Tactual speech perception by minimally trained deaf subjects. Oller DK, et al. **J Speech Hear Res** 1980 Dec;23(4):769–78

Eye-controlled communication aids. ten Kate JH, et al. **Med Prog Technol** 1980;8(1):1–21

Spatial arrangement of stimuli and the construction of communication boards for the physically handicapped. Anderson JD. **Ment Retard** 1980 Feb;18(1):41–2

Coping with blindness. Stetten D Jr. **N Engl J Med** 1981 Aug 20;305(8):458–60

The speechless population: how large is it? Silverman FH, et al. **Percept Mot Skills** 1980 Dec;51(3 Pt 2):1178

Rollermobile for children with cerebral palsy. Ivey A, et al. **Phys Ther** 1980 Sep;60(9):1162–3

Consumer services for handicapped people at home. **Physiotherapy** 1981 Mar 10;67(3):77

Evaluation of aids and equipment for the bath: II. A possible solution to the problem. Chamberlain MA, et al. **Rheumatol Rehabil** 1981 Feb 1;20(1):38–43

Technical supplement to the hearing aid. Johansson B. **Scand Audiol [Suppl]** 1978;(Suppl 8):87–91

The social aspect of technical aids. Tuxen I. **Scand Audiol [Suppl]** 1978;(Suppl 8):92–5

Computers: a researcher's view. Howe J. **Spec Educ Forward Trends** 1980 Dec;7(4):17–21

Communication in the locked-in syndrome. Gauger GE. **Trans Am Soc Artif Intern Organs** 1980;26:527–9

[The Canon communicator as a means of communication for intensive care patients (author's transl)] Wittenburg JP. **Anaesth Intensivther Notfallmed** 1980 Jun;15(3):250–1 (Eng. Abstr.) **(Ger)**

[Latest advances in technical aids for neuromuscular diseases] Mandić V. **Neurologija** 1979;27(1–4):245–53 (Eng. Abstr.) **(Scr)**

ECONOMICS

[A medical view of the rank of technical aids in rehabilitation (author's transl)] Paeslack V. **Rehabilitation (Stuttg)** 1981 Feb;20(1):28–32 (Eng. Abstr.) **(Ger)**

INSTRUMENTATION

Vacuum as a grasping force. O'Reagan JR, et al. **Arch Phys Med Rehabil** 1981 May;62(5):232–4

A special controller for the BSR X-10 adapts an environmental control system intended for the general public to the needs of the severely handicapped. Rye D. **Bull Prosthet Res** 1980 Fall;17(2):53061

STANDARDS

Clinical evaluation of electronic self-help devices for persons with severe physical disabilities. Sell GH, et al. **Int J Rehabil Res** 1981;4(1):66–7

Wide-field high-intensity lantern. An affordable night mobility aid. Marmor MF, et al. **Ophthalmology (Rochester)** 1980 Mar;87(3):216–7

SUPPLY & DISTRIBUTION

A survey of personal aids supplied by post to arthritics. Chamberlain MA, et al. **Rheumatol Rehabil** 1980 Nov; 19(4):246–51

[Supply of aids to the disabled in Scandinavia] **Nord Med** 1981 Mar;96(3):89 **(Swe)**

[Scandinavian cooperation will give better and cheaper for the disabled (interview by Eva Oldinger)] Petrén F. **Nord Med** 1981 Mar;96(3):90–2 **(Swe)**

UTILIZATION

Background and initial audience characteristics of the closed-caption television system. Jensema C, et al. **Am Ann Deaf** 1981 Feb;126(1):32–6

The use of aids and adaptations in a study of stroke rehabilitation. Smith ME, et al. **Health Bull (Edinb)** 1981 Mar;39(2):98–106

SELF-HELP GROUPS

Psychology of mastectomized patients. Timothy F. **Acta Chir Belg** 1980 Mar–Apr;79(2):95–8

Overeaters Anonymous: a self-help group. **Am J Nurs** 1981 Mar;81(3):560–3

A controlled study of self-help intervention for widows. Vachon ML, et al. **Am J Psychiatry** 1980 Nov; 137(11):1380–4

High attrition rates in commercial weight reduction

programs. Volkmar FR, et al. **Arch Intern Med** 1981 Mar; 141(4):426–8

Augmentation of in vivo exposure treatment for agoraphobia by the formation of neighbourhood self-help groups. Sinnott A, et al. **Behav Res Ther** 1981;19(4):339–47

A self-help program for childhood asthma in a residential treatment center. Richards W, et al. **Clin Pediatr (Phila)** 1981 Jul;20(7):453–7

Social climates in community groups: toward a taxonomy. Politser PE, et al. **Community Ment Health J** 1980 Fall; 16(3):187–200

Stresses and coping in ICU nursing. II. Nurse support groups on intensive care units. Weiner MF, et al. **Gen Hosp Psychiatry** 1981 Jun;3(2):129–34

Humanizing the hospital experience: report of a group program for medical patients. Lonergan EC. **Health Soc Work** 1980 Nov;5(4):53–63

A self-help program for widows as an independent community service. Rogers J, et al. **Hosp Community Psychiatry** 1980 Dec;31(12):844–7

Using a schiz-anon group in the treatment of chronic ambulatory schizophrenics. Shenoy RS, et al. **Hosp Community Psychiatry** 1981 Jun;32(6):421–2

Hospital helps women help each other. **Hospitals** 1981 May 1;55(9):31–2

Uses of the self-run group in a child-guidance setting. Dube BD, et al. **Int J Group Psychother** 1980 Oct;30(4):461–79

The therapeutic club: social rehabilitation of psychiatric patients. Moss E, et al. **Int J Rehabil Res** 1980;3(3):339–47

The Job Club in VR agencies: the effects of attendance and disincentives. Wesolowski MD, et al. **Int J Rehabil Res** 1980;3(4):531–2

How students are incorporated into the health care team: an example of a student-funded, student-run, self-help clinic. Elmore JG. **J Am Coll Health Assoc** 1980 Oct; 29(2):92

Clinical observations on group composition tested by simulated groups in the laboratory. Bixenstine VE, et al. **J Clin Psychol** 1981 Jan;37(1):108–10

Some suggestions for 'self-help' approaches with street drug abusers. Hawkins JD. **J Psychedelic Drugs** 1980 Apr–Jun; 12(2):131–7

Why parents anonymous? Nix H. **J Psychiatr Nurs** 1980 Oct; 18(10):23–8

NEXUS: a community-based treatment concept for people with long-term psychiatric disabilities. Kroman L, et al. **J Rehabil** 1981 Apr–Jun;47(2):47–51

Helping the patient cope with the sequelae of trauma through the self-help group approach. Scanlon-Schilpp AM, et al. **J Trauma** 1981 Feb;21(2):135–9

Albino Fellowship. A new kind of welfare organization? Taylor WO. **Practitioner** 1980 Nov;224(1349):1184–7

The need for psychological support for parents of handicapped children. Wittgren R. **Scand Audiol [Suppl]** 1978;(Suppl 8):125–7

Dwarfism and social identity: self-help group participation. Ablon J. **Soc Sci Med [Med Anthropol]** 1981 Jan; 15B(1):25–30

Participatory health care: an experimental self-helping project in a less advantaged community. Brownlea A, et al. **Soc Sci Med [Med Geogr]** 1980 Jun;14(2):139–46

A group program for cancer patients and their family members in an acute care teaching hospital. Johnson EM, et al. **Soc Work Health Care** 1980 Summer;5(4):335–49

Innovative programs in a health care setting. Menezes L. **Soc Work Health Care** 1980 Fall;6(1):101–5

Working for women's health: The Women's Health Alliance of Long Island, Inc. Davey SB, et al. **Women Health** 1980 Fall;5(3):39–46

[Psychoanalytic self-exploratory groups at the university] Kutter P. **Psyche (Stuttg)** 1981 Feb;35(2):157–62 (Eng. Abstr.) **(Ger)**

ORGANIZATION & ADMINISTRATION

Mental health primary prevention: the role of parent mutual support groups. Kagey JR, et al. **Am J Public Health** 1981 Feb;71(2):166–7

Profile: parents help themselves. Woods GE. **Child Care Health Dev** 1981 Jan–Feb;7(1):51–6

Diabetes club at Union Hospital. Schutt C, et al. **J Am Diet Assoc** 1980 Nov;77(5):584

Model attendant care program benefits all in the university setting. Birdwell V, et al. **J Rehabil** 1980 Oct–Dec; 46(4):26–31

The life enrichment program. Mudd TM. **J Rehabil** 1980 Oct–Dec;46(4):50–3

Developing a community-based parent education support group. Balik B, et al. **JOGN Nurs** 1981 May–Jun; 10(3):197–9

The pros, cons and pitfalls of 'self-help' rehabilitation programs. Lusky RA, et al. **Soc Sci Med [Med Psychol Med Sociol]** 1979 Jan; 13(1):113–21

The self-help component of primary health care. Robinson D. **Soc Sci Med [Med Psychol Med Sociol]** 1980 Oct; 14A(5):415–21

[An intermediary system in the fight against drug addiction (author's transl)] du Couedic H, et al. **Neuropsychiatr Enfance Adolesc** 1980 Jul–Aug; 28(7–8):341–4 (Eng. Abstr.) **(Fre)**

TRENDS

[Self-help groups and their significance in the physician's practice] Moeller ML. **Med Klin** 1981 Mar 13;76(6):148–53 **(Ger)**

SELF MEDICATION

Reaching out through NMAT. Welsh JS. **Am Pharm** 1980 Nov;20(11):30–1

Proprietary depigmenting cream used wrongly for lentigo maligna. Savin JA, et al. **Br Med J [Clin Res]** 1981 May 23;282(6277):1666–7

The cold clinic—an attempt, a realistic concept? Bigelow AT, et al. **J Am Coll Health Assoc** 1980 Oct;29(2):89

Self-care and self-medication. Fry J. **J Fam Pract** 1981 Jan; 12(1):151–2

Dependence on commercial oral rehydration preparations [letter] Ransome-Kuti O. **Lancet** 1980 Nov 15;2(8203):1080

[Parents' testimony: questions which call for answers] Bloch-Dronsart S. **Arch Belg Med Soc** 1980 May–Jun; 38(5–6):299–307 **(Fre)**

[Incorrect use of drugs. Hazards of self medication] Govaerts M. **Arch Belg Med Soc** 1980 May–Jun;38(5–6):275–82 **(Fre)**

[Self medication and its limits] Glasson B. **Soz Praeventivmed** 1980 Mar;25(1–2):40–3 (Eng. Abstr.) **(Fre)**

[Report of a work group: 'Automedication'] Glasson B, et al. **Soz Praeventivmed** 1980 Mar;25(1–2):83–4 **(Fre)**

[Self treatment through self medication] Frey U. **Soz Praeventivmed** 1980 Mar;25(1–2):33–5 (Eng. Abstr.) **(Ger)**

[Self medication and medical prescription] Zimmermann K. **Soz Praeventivmed** 1980 Mar;25(1–2):36–9 (Eng. Abstr.) **(Ger)**

[Analysis of patient reports on prescribed drug therapy as well as on self medication] Domke N, et al. **Z Aerztl Fortbild (Jena)** 1980 Dec 1;74(23):1099–101 **(Ger)**

ADVERSE EFFECTS

Anticipating the hazards of worker self-medication. Couri D. **Occup Health Saf** 1980 Jun;49(6):55–60

PSYCHOLOGY

Medication behaviour. A study of outpatients treated with pilocarpine eye drops for primary open-angle glaucoma. Norell S. **Acta Ophthalmol [Suppl] (Copenh)** 1980;(143):1–28

[The phenomenon of 'self medication' and the physician] Halhuber C. **Ther Ggw** 1980 Jul;119(7):764–72 **(Ger)**

SELF MUTILATION

Transmission of hepatitis [letter] Boulter MJ, et al. **JAMA** 1981 Mar 20;245(11):1121

[Urethral injuries caused by hair strangulation] Aboulola M, et al. **Chir Pediatr** 1980;21(4):283–5 (Eng. Abstr.) **(Fre)**

[An intra-abdominal complication caused by a foreign body in the urinary tract] Jonas P. **Z Urol Nephrol** 1981 Jan; 74(1):61–3 **(Ger)**

CHEMICALLY INDUCED

Corneal injury by a Thorazine Spansule. Eichenbaum JW, et al. **Ann Ophthalmol** 1981 Feb;13(2):199–200

Pemoline-induced self-biting in rats and self-mutilation in the deLange syndrome. Mueller K, et al. **Pharmacol Biochem Behav** 1980 Nov;13(5):627–31

COMPLICATIONS

Solitary rectal ulcer: always a self-induced condition? Thomson H, et al. **Br J Surg** 1980 Nov;67(11):784–5

[A case report of macroglossia following tongue bite (author's transl)] Zöllner C, et al. **HNO** 1980 Nov; 28(11):376–9 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Leukoedema, reactive hyperkeratosis, or cheek biting [letter] **Arch Dermatol** 1981 Aug;117(8):454–5

Suction blisters mimicking pemphigoid: an unusual case of dermatitis artefacta. Dufton P, et al. **Clin Exp Dermatol** 1981 Mar;6(2):163–6

[Difficulty in the diagnosis of a case of self-inflicted skin injury] Santarius-Kaczur D, et al. **Wiad Lek** 1980 Sep 1; 33(17):1405–7 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

Autotomy following nerve injury: genetic factors in the development of chronic pain. Inbal R, et al. **Pain** 1980 Dec; 9(3):327–37

HISTORY

Why did Van Gogh cut off his ear? The problem of alternative explanations in psychobiography. Runyan WM. **J Pers Soc Psychol** 1981 Jun;40(6):1070–7

OCCURRENCE

Ultradian rhythms in stereotyped and self-injurious behavior. Lewis MH, et al. **Am J Ment Defic** 1981 May;85(6):601–10

Fatal and non-fatal deliberate self-harm in the Wellington region 1978: a social analysis. Howell RH, et al. **NZ Med J** 1980 Dec 24;92(674):468–71

PATHOLOGY

[Accidents on circular bench saws (author's transl)] Fritze A, et al. **Z Rechtsmed** 1980;85(2):107–18 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Circannual fluctuation of a stereotyped behaviour with possible self-mutilation in a mentally deficient adolescent. Francezon J, et al. **Int J Chronobiol** 1981;7(3):129–40

PSYCHOLOGY

Self-inflicted ocular mutilation. Yang HK, et al. **Am J Ophthalmol** 1981 May;91(5):658–63

Studies of self-mutilating patients [letter] Simpson MA. **Am J Psychiatry** 1981 Jun;138(6):855–6

Predictors of self-mutilation in patients with schizophrenia. Sweeny S, et al. **Am J Psychiatry** 1981 Aug;138(8):1086–9

Self-mutilation and sleep stage in the Lesch-Nyhan syndrome. Mizuno T, et al. **Brain Dev** 1979;1(2):121–5

The dynamics of aggression in an amputee: a case report. Beresford TP. **Gen Hosp Psychiatry** 1980 Sep;2(3):219–25

Intentional self-injury in school age children. A study of fifty cases. Walker WL. **J Adolesc** 1980 Sep;3(3):217–28

Self-mutilation accompanying religious delusions: a case report and review. Clark RA. **J Clin Psychiatry** 1981 Jun; 42(6):243–5

Command Hallucinations and self-amputation of the penis and hand during a first psychotic break. Hall DC, et al. **J Clin Psychiatry** 1981 Aug;42(8):322–4

Physiological and psychiatric investigations into a group of mentally handicapped subjects with self-injurious behaviour. Matin MA, et al. **J Ment Defic Res** 1980 Jun; 24(2):77–85

Autocastration as a counterphobic focal suicide. Pabis R, et al. **Suicide Life Threat Behav** 1981 Spring;11(1):3–9

[Self-destruction behavior seen in the wrist-cutting syndrome] Yasuoka H. **Seishin Shinkeigaku Zasshi** 1980; 82(12):753–4 **(Jpn)**

[Rare variant of attempted suicide in depressive neurosis (differential diagnosis)] Váczi P, et al. **Psychiatr Pol** 1980 Jul–Aug;14(4):417–20 **(Pol)**

REHABILITATION

Self-injury in the profoundly retarded: clinically significant versus therapeutic control. Singh NN, et al. **J Ment Defic Res** 1980 Jun;24(2):87–97

SURGERY

Lesch-Nyhan syndrome: surgical treatment in a case with lip chewing. A case report. LaBanc J, et al. **J Maxillofac Surg** 1981 Feb;9(1):64–7

THERAPY

Reduction of self-injurious behavior using sensory integrative techniques. Bright T, et al. **Am J Occup Ther** 1981 Mar; 35(3):167–72

Replantations surgery following self-inflicted amputation. Stewart DE, et al. **Can J Psychiatry** 1980 Mar;25(2):143–50

A comparison of techniques for the elimination of self-injurious behavior in a mildly retarded woman. Fleming A, et al. **J Behav Ther Exp Psychiatry** 1981 Mar; 12(1):81–5

Overcorrection treatment for nighttime self-injurious behavior in two normal children. Linscheid TR, et al. **J Pediatr Psychol** 1981 Mar;6(1):29–35

SELF PERCEPTION see **SELF CONCEPT**

SELF STIMULATION

The use of positive practice to reduce self-stimulatory behaviors. Jensema CK. **Am Ann Deaf** 1980 Aug; 125(5):524–6

Environmental influences on self-stimulatory behavior. Adams GL, et al. **Am J Ment Defic** 1980 Sep;85(2):171–5

Rewarding effects of hypothalamic self-stimulation altered by unilateral lesions of superior colliculus in rats. Redgrave P, et al. **Brain Res** 1981 Jun 29;215(1–2):352–8

Intracranial self-stimulation: mapping against the lateral boundaries of the dopaminergic cells of the substantia nigra. Wise RA. **Brain Res** 1981 May 25;213(1):190–4

The ecology of anxiety: situational stress and rate of self-stimulation in Turkey. LeCompte WA. **J Pers Soc Psychol** 1981 Apr;40(4):712–21

Self-stimulation by DC current as a model of motivated behavior. Pavlygina RA, et al. **Pavlov J Biol Sci** 1980 Oct–Dec;15(4):151–8

Intravenous self-administration of nomifensine in rats: implications for abuse potential in humans. Spyraki C, et al. **Science** 1981 Jun 5;212(4499):1167–8

[Self-stimulation of supracallosal bundle (SCB) and associated behavior comparing to those of prefrontal cortex (PFC) (author's transl)] Takigawa M, et al. **No To Shinkei** 1980 Jun;32(6):565–9 **(Jpn)**

DRUG EFFECTS

Drug of abuse and the endogenous reinforcement system: the resistance of intracranial self-stimulation behavior to the inebriating effects of ethanol. Routtenberg A. **Ann NY Acad Sci** 1981;362:60–6 (38 ref.)

Enhanced lateral hypothalamic self-stimulation responding after chronic exposure to amphetamine. Kokkinidis L, et al. **Behav Neural Biol** 1980 Aug;29(4):493–7

Reward and detection thresholds for brain stimulation: dissociative effects of cocaine. Kornetsky C, et al. **Brain Res** 1981 Mar 30;209(2):496–500

Increase in mesolimbic electrical self-stimulation after chronic haloperidol: reversal by L-DOPA or lithium. Seeger TF, et al. **Brain Res** 1981 Jun 29;215(1–2):404–9

Presynaptic alpha-adrenergic mediation of self-stimulation in locus coeruleus in rats treated neonatally with 6-hydroxydopamine. Umemoto M, et al. **Brain Res** 1981 Aug 24;219(1):107–19

Effects of GABAergic drugs on brain stimulation reward as assessed by a 'threshold' method. Zarevics P, et al. **Brain Res** 1981 Jun 29;215(1–2):201–9

The tetracyclic antidepressant mianserin: evaluation of its blockade of presynaptic alpha-adrenoceptors in a self-stimulation model using clonidine. Hunt GE, et al. **Eur J Pharmacol** 1981 Mar 5;70(1):59–63

Effects of chlorpheniramine, pyrilamine and astemizole on intracranial self-stimulation in rats. Wauquier A, et al. **Eur J Pharmacol** 1981 Jun 19;72(2–3):245–8

Evidence for an involvement of acetylcholine in self-stimulation of the prefrontal cortex in the rat. Mora F, et al. **Experientia** 1980 Oct 15;36(10):1180–1

Small-dose intravenous heroin facilitates hypothalamic self-stimulation without response suppression in rats. Gerber GJ, et al. **Life Sci** 1981 Feb 2;28(5):557–62

Self-stimulation and locomotor changes indicating 'latent' anticholinergic activity by an atypical neuroleptic (thioridazine). Herberg LJ, et al. **Neuropharmacology** 1981 Jan;20(1):55–60

Post-amphetamine depression of self-stimulation behavior in rats: prophylactic effects of lithium. Predy PA, et al. **Neurosci Lett** 1981 May 29;23(3):343–7

Reward system depression following chronic amphetamine: antagonism by haloperidol. Barrett RJ, et al. **Pharmacol Biochem Behav** 1980 Oct;13(4):555–9

Intracranial self-stimulation as a technique to study the reward properties of drugs of abuse. Bozarth MA, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:245–7

On the neurochemical basis of self-stimulation with midbrain raphe electrode placements. Deakin JF. **Pharmacol Biochem Behav** 1980 Oct;13(4):525–30

5HT blockade and the stimulant effects of D- and L-amphetamine: no interaction in self-stimulation of prefrontal cortex, hypothalamus, or dorsal tegmentum. unexpected lethality in hippocampal sites. Franklin KB, et al. **Pharmacol Biochem Behav** 1980 Sep;13(3):365–70

'Conflict' situation based on intracranial self-stimulation behavior and the effect of benzodiazepines. Gomita Y, et al. **Pharmacol Biochem Behav** 1981 Feb;14(2):219–22

Post-amphetamine depression of self-stimulation responding from the substantia nigra: reversal by tricyclic antidepressants. Kokkinidis L, et al. **Pharmacol Biochem Behav** 1980 Sep;13(3):379–83

Morphine differentially affects ventral tegmental and substantia nigra brain reward thresholds. Nazzaro JM, et al. **Pharmacol Biochem Behav** 1981 Mar;14(3):325–31

Effects of chronic naloxone treatment on brain-stimulation reward. Perry W, et al. **Pharmacol Biochem Behav** 1981 Feb;14(2):247–9

Naloxone and shuttlebox self-stimulation in the rat. Stilwell DJ, et al. **Pharmacol Biochem Behav** 1980 Nov;13(5):739–42

Facilitation of self-stimulation in rats by methadone. Stutz RM, et al. **Pharmacol Biochem Behav** 1980 Dec; 13(6):919–24

Hypothalamic and locus coeruleus self-stimulation are decreased by cholecystokinin. Kornblith CL, et al. **Physiol Behav** 1978 DEC;21(6):1037–41

Apomorphine: selective inhibition of the aversive component of lateral hypothalamic self-stimulation. Atrens DM, et al. **Psychopharmacology (Berlin)** 1980;71(1):97–9

Amphetamine withdrawal: effects on threshold of intracranial reinforcement. Cassens G, et al. **Psychopharmacology (Berlin)** 1981;73(4):318–22

Effect of clonidine and phentolamine on self-stimulation behavior in the dorsal and ventral regions of the lateral hypothalamus in mice. Cazala P. **Psychopharmacology (Berlin)** 1980;68(2):173–7

Effects of Lilly 110140 (flouxetine) on self-stimulation behavior in the dorsal and ventral regions of the lateral hypothalamus in the mouse. Cazala P. **Psychopharmacology (Berlin)** 1980;71(2):143–6

Effects of naloxone on the self-stimulation behavior of the postero-lateral area of the hypothalamus in rats--influence of procedural conditions. De Witte P. **Psychopharmacology (Berlin)** 1981;73(4):391–3

Effects of d-amphetamine and naloxone on brain stimulation reward. Esposito RU, et al. **Psychopharmacology (Berlin)** 1980;69(2):187–91

Amphetamine enhancement of reward asymmetry. Glick SD, et al. **Psychopharmacology (Berlin)** 1981;73(4):323–7

Effects of an ACTH 4--9 related peptide upon intracranial self stimulation and general activity in the rat. Katz RJ. **Psychopharmacology (Berlin)** 1980;71(1):67–70

Intracranial self-stimulation in mice using a modified hole-board task: effects of d-amphetamine. Kokkinidis L, et al. **Psychopharmacology (Berlin)** 1980;68(2):169–71

Self-stimulation and amphetamine: tolerance to d and l isomers and cross tolerance to cocaine and methylphenidate. Leith NJ, et al. **Psychopharmacology (Berlin)** 1981;74(1):23–8

Effects of chronic amphetamine or reserpine on self-stimulation responding: animal model of depression? Leith NJ, et al. **Psychopharmacology (Berlin)** 1980; 72(1):9–15

Brain site variations in effects of morphine on electrical self-stimulation. Nelson WT Jr, et al. **Psychopharmacology (Berlin)** 1981;74(1):58–65

Threshold differences for naloxone and naltrexone in the hypothalamus and midbrain using fixed ratio brain self-stimulation in rats. Schaefer GJ, et al. **Psychopharmacology (Berlin)** 1981;74(1):17–22

[Pharmacological study of Zingiber mioga Roscoe: effects on thiopental sleeping time and intracranial self-stimulation behavior (author's transl)] Gomita Y, et al. **Yakugaku Zasshi** 1980 Apr;100(4):452–6 (Eng. Abstr.) **(Jpn)**

[Emotionally positive reactions in the process of development of diazepam dependence] Zvartau EE. **Farmakol Toksikol** 1981 Jan–Feb;44(1):21–5 (Eng. Abstr.) **(Rus)**

[Cortisol weakening of hippocampal neuron response during self stimulation] Belyi VP. **Fiziol Zh SSSR** 1981 Apr; 67(4):524–32 (Eng. Abstr.) **(Rus)**

[Action on the emotional-reinforcement systems of the brain as a means of pathogenetic therapy for alcoholism and drug addiction] Val'dman AV, et al. **Zh Nevropatol Psikhiatr** 1980;80(7):1020–4 (Eng. Abstr.) **(Rus)**

[Effect of euphorigenic drugs on emotionally-positive brain systems] Zvartau EE, et al. **Zh Vyssh Nerv Deiat** 1981; 31(2):308–14 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Pacing of behavioral and electroencephalographic events. Radil-Weiss T, et al. **Acta Neurobiol Exp (Warsz)** 1980; 40(1):227–38

External stimulus control of self-stimulation behavior. Sadowski B. **Acta Neurobiol Exp (Warsz)** 1980;40(1):239–50

The central basis of motivation: intracranial self-stimulation studies. Olds ME, et al. **Annu Rev Psychol** 1981;32:523–74 (246 ref.)

Escape and approach induced by brain stimulation: a parametric analysis. Schmitt P, et al. **Behav Brain Res** 1981 Jan;2(1):49–79

Effects of illumination level on the rat's rhythmicity of brain self-stimulation behavior. Terman JS, et al. **Behav Brain Res** 1980 Dec;1(6):507–19

Adaptation to rewarding brain stimuli of differing amplitude. Deutsch JA, et al. **Behav Neural Biol** 1980 Jul;29(3):359–64

The temporal structure of motivation. III. Identification and ecological significance of ultradian rhythms of intracranial reinforcement. Katz RJ. **Behav Neural Biol** 1980 Oct; 30(2):148–59

Electrical stimulation of the septal area in the rat: prolonged suppression of water intake and correlation with self-stimulation. Gordon FJ, et al. **Brain Res** 1981 Feb 16; 206(2):421–30

Long term potentiation of lateral hypothalamic self-stimulation following parabrachial lesions in the rat. Corbett D. **Brain Res Bull** 1980 Nov–Dec;5(6):637–42

Intracranial self-stimulation, cortical arousal, and the sensorimotor neglect syndrome. Wright JJ, et al. **Exp Neurol** 1979 Jul;65(1):42–52

Refractory periods and anatomical linkage of the substrates for lateral hypothalamic and periaqueductal gray self-stimulation. Bielajew C, et al. **Physiol Behav** 1981 Jul; 27(1):95–104

Dissociation of the substrates for medial forebrain bundle self-stimulation and stimulation-escape using a two-electrode stimulation technique. Bielajew C, et al. **Physiol Behav** 1980 Nov;25(5):707–11

Potentiating hippocampal stimulation facilitates acquisition of lever-pressing for stimulation but not food. Campbell KA, et al. **Physiol Behav** 1980 Jun;24(6):1115–8

The recombinant inbred strains: a tool for the genetic analysis of differences observed in the self-stimulation behaviour of the mouse. Cazala P, et al. **Physiol Behav** 1980 Jun; 24(6):1057–60

An apparent genetic relationship between appetitive and aversive effects of lateral hypothalamic stimulation in the mouse. Cazala P, et al. **Physiol Behav** 1980 Sep;25(3):357–61

The effect of post-training lateral hypothalamic self-stimulation on aversive and appetitive classical conditioning. Coulombe D, et al. **Physiol Behav** 1980 Aug; 25(2):267–72

Electrical brain stimulation and food reinforcement dissociated by demand elasticity. Hursh SR, et al. **Physiol Behav** 1981 Mar;26(3):509–15

Selection for high and for low rates of self-stimulation in rats. Lieblich I, et al. **Physiol Behav** 1978 DEC;21(6):843–9

Rewarding brain stimulation and the peer-infant separation syndrome. Maxim PE. **Physiol Behav** 1980 Jul;25(1):53–61

Self-stimulation and circling: differentiation of the neural substrate by behavioral measurement with the use of the double pulse technique. Miliaressis E, et al. **Physiol Behav** 1980 Dec;25(6):939–43

Latency to turn ICSS off and on: on time is more sensitive than off time to frequency and current variations. Montgomery CE, et al. **Physiol Behav** 1981 Jan; 26(1):99–106

Parametric analysis of ON- and OFF- responding for hypothalamic stimulation. Skelton RW, et al. **Physiol Behav** 1980 Nov;25(5):699–706

A portrait of the substrate for self-stimulation. Gallistel CR, et al. **Psychol Rev** 1981 May;88(3):228–73

Brain monoamines in the modulation of self-stimulation, feeding, and body weight. Hoebel BG, et al. **Res Publ Assoc Res Nerv Ment Dis** 1981;59:103–42

[Addiction-like behavior with continuous self-stimulation of the mediothalamic system (author's transl)] Schmidt B, et al. **Arch Psychiatr Nervenkr** 1981;230(1):55–61 (Eng. Abstr.) **(Ger)**

[Changes in the pattern of hippocampal neuron discharge as a reflection of the reinforcement effect in self-stimulation] Belyi VP. **Fiziol Zh SSSR** 1981 Mar; 67(3):375–83 (Eng. Abstr.) **(Rus)**

[Interrelationship between the lateral hypothalamic self-stimulation reaction and the periodic motor activity of the stomach] Kassil' VG, et al. **Fiziol Zh SSSR** 1980 Jul;66(7):1056–63 (Eng. Abstr.) **(Rus)**

[Self-stimulation reaction in normotensive and hypertensive rats] Baklavadzhian OG, et al. **Zh Vyssh Nerv Deiat** 1980 Nov–Dec;30(6):1187–95 (Eng. Abstr.) **(Rus)**

[Effect of stimulation of structures causing an escape reaction on the self stimulation reaction in rats] Kiseleva OV. **Zh Vyssh Nerv Deiat** 1980 May–Jun;30(3):517–22 (Eng. Abstr.) **(Rus)**

[Method of automatic recording of the temporal characteristics of the cerebral electrical self-stimulation response] Zvartau EE, et al. **Zh Vyssh Nerv Deiat** 1980 Jul–Aug;30(4):865–7 **(Rus)**

SELLA TURCICA

see related

EMPTY SELLA SYNDROME

Primary osteogenic sarcoma of the sellar region. Case report. Reichenthal E, et al. **J Neurosurg** 1981 Aug;55(2):299–302

Symptomatic parasellar granular cell tumors. Becker DH, et al. **Neurosurgery** 1981 Feb;8(2):173–80

Primary intracranial melanoma presenting as a suprasellar tumor. Copeland DD, et al. **Neurosurgery** 1980 May; 6(5):542–5

Fractures of the sella turcica. Young HA, et al. **Neurosurgery** 1980 Jul;7(1):23–9 (20 ref.)

Benign intrasellar cysts. Spaziante R, et al. **Surg Neurol** 1981 Apr;15(4):274–82

Intrasellar solitary plasmacytoma terminating in multiple myeloma: a report of a case including electron microscopical study. Urbanski SJ, et al. **Surg Neurol** 1980 Sep;14(3):233–6

[Double suprasellar and pineal germinoma with potomania] Schnegg JF, et al. **Schweiz Med Wochenschr** 1980 Jun 14; 110(24):950–2 (Eng. Abstr.) **(Fre)**

[Intrasellar chordoma (author's transl)] de Cremoux P, et al. **Sem Hop Paris** 1980 Nov 18–25;56(43–44):1769–73 (Eng. Abstr.) **(Fre)**

[Space-occupying processes of the sellar region] Halves E. **Verh Dtsch Ges Inn Med** 1980;86:37–51 **(Ger)**

[Abscess of the cavity of the sella turcica] Blinov EI, et al. **Zh Vopr Neirokhir** 1980 Jul–Aug;(4):58–9 **(Rus)**

[Arterial aneurysms imitating tumors of the sellar area] Pedachenko GA, et al. **Zh Vopr Neirokhir** 1980 Nov–Dec; (6):12–6 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Anatomy and radiology of the sellar spine. Dietemann JL, et al. **Neuroradiology** 1981 Feb;21(1):5–7

BLOOD SUPPLY

Radiological differentiation of intrasellar aneurysms from pituitary tumours. Macpherson P, et al. **Neuroradiology** 1981;21(4):177–83

INJURIES

Traumatic bitemporal hemianopia and fracture of the dorsum sella. Case report. Tunçbay E, et al. **Acta Ophthalmol (Copenh)** 1981 Apr;59(2):302–7

Traumatic chiasmal syndrome associated with pneumocephalus and sellar fracture. Resneck JD, et al. **Am J Ophthalmol** 1981 Aug;92(2):233–7

PATHOLOGY

Pituitary function in patients with enlarged sella turcica and primary empty sella syndrome. Ekblom M, et al. **Acta Med Scand** 1981;209(1–2):31–5

Anterior pituitary hormone levels in the cerebrospinal fluid of patients with pituitary and parasellar tumors. Braunstein GD, et al. **Fertil Steril** 1981 Aug;36(2):164–72

Rapid regression of a suprasellar extending prolactinoma after bromocriptine treatment during pregnancy. van Roon E, et al. **Fertil Steril** 1981 Aug;36(2):173–7

Intrasellar arachnoid cyst: case report. Harter LP, et al. **Neurosurgery** 1980 Oct;7(4):387–90

RADIOGRAPHY

Sellar contour: anatomic-polytomographic correlation. Turski PA, et al. **AJR** 1981 Aug;137(2):213-6

Computed tomography in sellar region tumor diagnosis. Chen XR, et al. **Chin Med J [Engl]** 1981 Apr;94(4):264-74

Computed axial tomography of pituitary adenomas. Kuuliala I. **Clin Radiol** 1981 May;32(3):259-64

Metrizamide cisternography with hypocycloid and computed tomography in sellar and suprasellar lesions. Kuuliala I, et al. **Clin Radiol** 1981 Jul;32(4):403-7

Volumetric study of sella turcica in north Indian children. Garg K, et al. **Indian Pediatr** 1980 May;17(5):430-3

Serum prolactin and radiological skull examinations in infertile men with azoospermia or severe oligozoospermia. Abyholm T, et al. **Int J Androl** 1980 Jun;3(3):229-35

Computed tomography for diagnosis of empty sella associated with enhancing pituitary microadenoma. Smaltino F, et al. **J Comput Assist Tomogr** 1980 Oct; 4(5):592-9

Microadenomas of the pituitary and abnormal sellar tomograms in an unselected autopsy series. Burrow GN, et al. **N Engl J Med** 1981 Jan 15;304(3):156-8

CT analysis of intrasellar pituitary adenomas with emphasis on patterns of contrast enhancement. Gardeur D, et al. **Neuroradiology** 1981 Jan;20(5):241-7

A parallel study of the roentgen anatomy of the sella turcica and the histopathology of the pituitary gland in 205 autopsy specimens. Muhr C, et al. **Neuroradiology** 1981 Mar; 21(2):55-65

Fact or artifact: an analysis of artifact in high-resolution computed tomographic scanning of the sella. Earnest F 4th, et al. **Radiology** 1981 Jul;140(1):109-13

[The CT-scan and hypocycloidal cysternography with water soluble non ionic contrast media (metrizamide and iopamidol) in sellar and parasellar lesions (author's transl)] Fiore D, et al. **Radiol Med (Torino)** 1981;67(3):119-26 (Eng. Abstr.) **(Ita)**

[Clinical and roentgenological measurement of normal sella turcica--statistical research of 1,000 cases (author's transl)] Matsui T, et al. **No To Shinkei** 1981 Feb;33(2):187-94 (Eng. Abstr.) **(Jpn)**

[Sella turcica, arterial hypertension and carbohydrate metabolism in obesity: statistical study of 100 cases] Nadal de los Santos Reyes M, et al. **Rev Clin Esp** 1981 Mar 15; 160(5):327-30 (Eng. Abstr.) **(Spa)**

SECRETION

The value of the thyrotropin-releasing hormone test in patients with prolactin-secreting pituitary tumors and suprasellar non-pituitary tumors. Klijn JG, et al. **Fertil Steril** 1981 Feb;35(2):155-61

SURGERY

Sellar lesions. Lee KJ, et al. **Otolaryngol Head Neck Surg** 1980 Sep-Oct;88(5):536-43

Reconstruction of the sellar floor during transsphenoidal operations using alumina ceramic. Kobayashi S, et al. **Surg Neurol** 1981 Mar;15(3):196-7

[Naso-transphenoidal approach to the sella turcica] Constantinovici A, et al. **Rev Med Interna [Neurol Psihiatr]** 1980 Jul-Sep; 25(3):201-10 **(Rum)**

ULTRASTRUCTURE

[Two cases of sellar chordomas. Ultrastructural and histochemical study (author's transl)] Pluot M, et al. **Arch Anat Cytol Pathol** 1980;28(4):230-6 (Eng. Abstr.) **(Fre)**

[Two cases of sellar chordomas. Ultrastructural and histochemical study (author's transl)] Pluot M, et al. **Sem Hop Paris** 1981 Mar 18-25;57(11-12):579-85 (Eng. Abstr.) **(Fre)**

SEMANTIC DIFFERENTIAL

Deaf students' use of semantic differential for evaluation. Convey JJ. **Except Child** 1981 Jan;47(4):299-301

[The use of the semantic differential technique in psychiatry (author's transl)] Andrzejczyk E, et al. **Psychiatr Pol** 1981 Jan-Feb;15(1):79-89 (30 ref.) **(Pol)**

SEMANTICS

Semantic transformation influences the estimate of entropy of mental activity. Zucha I. **Act Nerv Super (Praha)** 1979 Jul;Suppl 2:339-40

Retrieval speed, age-of-acquisition estimates, uncertainty, and semantic-dimension comparisons with mentally retarded persons. Winters JJ Jr, et al. **Am J Ment Defic** 1980 Jul;85(1):90-3

The helping professional's use of language in describing the poor. Lee JA. **Am J Orthopsychiatry** 1980 Oct;50(4):580-4

Item and attribute storage of pictures and words in memory. Park DC. **Am J Psychol** 1980 Dec;93(4):603-15

The role of knowledge structures in language understanding and verbal learning. Wettler M. **Arch Psychol (Frankf)** 1979-80;132(2):83-101

Recognition of word associates in semantic paralexia. Kapur N. **Br J Psychol** 1980 Aug;71(3):401-5

Concrete word dyslexia. Warrington EK. **Br J Psychol** 1981 May;72(Pt 2):175-96

Linguistic meaning related differences i evoked potential topography: english, swiss-german, and imagined. Brown WS, et al. **Brain Lang** 1980 Nov;11(2):340-53

Comprehension of gerundive constructions by Broca's aphasics. Caplan D, et al. **Brain Lang** 1981 May; 13(1):145-69

Behavioral and neural analyses of connotative meaning: word classes and rating scales. Chapman RM, et al. **Brain Lang** 1980 Nov;11(2):319-39

Part of speech and phonological form implied in written-word comprehension: evidence from homograph disambiguation by normal and aphasic subjects. Deloche G, et al. **Brain Lang** 1981 Jul;13(2):250-8

Asymmetries for the categorization of kanji nouns, adjectives, and verbs presented to the left and right. Elman JL, et al. **Brain Lang** 1981 Jul;13(2):290-300

Selective semantic-lexical impairment of language comprehension in right-brain-damaged patients. Gainotti G, et al. **Brain Lang** 1981 Jul;13(2):201-11

Lexical knowledge in anterior and posterior aphasics. Grober E, et al. **Brain Lang** 1980 Jul;10(2):318-30

A bird is a bird is a bird: making reference within and without superordinate categories. Grossman M. **Brain Lang** 1981 Mar;12(2):313-31

Kanji reading by a prekindergarten language-disabled child: a pilot study. Nishio MR. **Brain Lang** 1981 Jul;13(2):259-89

Correlates of syntactic development in kindergartners: deficiency vs. proficiency. Rosenblum DR, et al. **Brain Lang** 1981 May;13(1):103-17

Syntactic effects in sentence completion by Broca's. Wales R, et al. **Brain Lang** 1981 Jul;13(2):301-7

Notes and discussion the lexicon and sentence generation in aphasia. Zatorski RJ, et al. **Brain Lang** 1981 May; 13(1):185-90

Cross-modality transfer between pictures and their names. D'Agostino PR, et al. **Can J Psychol** 1980 Jun;34(2):113-8

Preschoolers' picture recognition memory: the pitfalls of knowing how a thing shall be called. Luszcz MA, et al. **Can J Psychol** 1980 Jun;34(2):155-60

Life-span differences in semantic integration of pictures and sentences in memory. Pezdek K. **Child Dev** 1980 Sep; 51(3):720-9

Language patterns of opponents to a child protection program. Adams PL, et al. **Child Psychiatry Hum Dev** 1981 Spring;11(3):135-57

Age differences in integrated semantic memory for abstract sentences. Walsh DA, et al. **Exp Aging Res** 1980 Oct; 6(5):431-43

Response time effects of alerting tone and semantic context for synthesized voice cockpit warnings. Simpson CA, et al. **Hum Factors** 1980 Jun;22(3):319-30

Investigation of mechanisms of temperature regulation. Chusov YN. **Hum Physiol** 1979 Sep-Oct;5(5):615-20

Excessive yielding to normal biases is not a distinctive sign of schizophrenia. Naficy A, et al. **J Abnorm Psychol** 1980 Dec;89(6):697-703

Encoding processes and memory for categorically related words by schizophrenic patients. Traupmann KL. **J Abnorm Psychol** 1980 Dec;89(6):704-16

Multiple code activation in word recognition: evidence from rhyme monitoring. Donnenwerth-Nolan S, et al. **J Exp Psychol [Hum Learn]** 1981 May;7(3):170-80

Encoding and cuing sounds and senses. Nelson DL, et al. **J Exp Psychol [Hum Learn]** 1980 Nov;6(6):717-31

Congruity and the perceptual comparison task. Marschark M, et al. **J Exp Psychol [Hum Percept]** 1981 Apr; 7(2):290-308

Age-related facilitation in recall following semantic processing. Barrett TR, et al. **J Gerontol** 1981 Mar; 36(2):194-9

Semantic activation during memory encoding across the adult life span. Howard DV, et al. **J Gerontol** 1980 Nov; 35(6):884-90

Semantic encoding in older adults as evidenced by release from proactive inhibition. Puglisi JT. **J Gerontol** 1980 Sep; 35(5):743-5

A Hebrew version of the Depression Adjective Check Lists. Lomranz J, et al. **J Pers Assess** 1981 Aug;45(4):380-4

Effects of prior context on lexical access during sentence comprehension: a replication and reinterpretation. Cairns HS, et al. **J Psycholinguist Res** 1980 Jul;9(4):319-26

Logical relations and comprehension in conversation. Vuchinich S. **J Psycholinguist Res** 1980 Sep;9(5):473-501

Syntactic versus semantic performances of agrammatic Broca's aphasics on tests of constituent-element-ordering. Gallaher AJ. **J Speech Hear Res** 1981 Jun;24(2):217-23

Idiomatic versus literal interpretations of ditropically ambiguous sentences. Van Lancker D, et al. **J Speech Hear Res** 1981 Mar;24(1):64-9

Of breath and spirits. Gravenstein JS, et al. **JAMA** 1981 Sep 4;246(10):1091-2

A central processor for hierarchically-structured material: evidence from Broca's aphasia. Grossman M. **Neuropsychologia** 1980;18(3):299-308

A note on Kolk's 'Judgment of sentence structure in Broca's aphasia'. Kean ML. **Neuropsychologia** 1980;18(3):357-60

Specifying the defect in human amnesia: storage, retrieval and semantics. Squire LR. **Neuropsychologia** 1980; 18(3):369-72

Cross-cultural pain semantics. Diller A. **Pain** 1980 Aug; 9(1):9-26

Age differences in acoustic and semantic recognition memory. Coyne AC, et al. **Percept Mot Skills** 1980 Oct; 51(2):439-45

Definition of Stroop interference in volunteers and non-volunteers. Saunders DR. **Percept Mot Skills** 1980 Oct;51(2):343-54

Semantic operations deficits in sentence comprehension. Berndt RS, et al. **Psychol Res** 1980;41(2-3):169-77

[Compatibility and symmetry. Genetic study of kinematic inferences in 11- and 13-year-old children] Crépault J. **Annee Psychol** 1980;80(1):81-97 (Eng. Abstr.) **(Fre)**

[Semantic disturbances in aphasia. Importance of transfer of meaning and phonetic structure in the understanding of word semantics] Gil R, et al. **Neuropsychologia** 1980; 18(6):721-5 **(Fre)**

[Influence of mnemonic, semantic, and conceptual factors on the performance of aphasic patients in the Token Test (author's transl)] Naumann E, et al. **Arch Psychiatr Nervenkr** 1980;228(4):317-28 (Eng. Abstr.) **(Ger)**

[The perception of words of a linguistic field 'anxiety' (author's transl)] Lazarus-Mainka G, et al. **Arch Psychol (Frankf)** 1979-80;132(4):221-35 (Eng. Abstr.) **(Ger)**

[Reflections on the problem of 'discreteness' and 'steady state' in living processes] Scharf JH. **Gegenbaurs Morphol Jahrb** 1979;125(6):737-57 (Eng. Abstr.) **(Ger)**

[Lexical organisation in aphasia (author's transl)] Woll G, et al. **Nervenarzt** 1980 Sep;51(9):561-67 **(Ger)**

[Lorenzer and/or Lacan. The subject between spirit and letter] Heim R. **Psyche (Stuttg)** 1980 Oct;34(10):910-44 (Eng. Abstr.) **(Ger)**

[Social-linguistic problems in the physician group discussion] Langsdorf A. **Ther Ggw** 1980 Jul;119(7):751-62 **(Ger)**

SEMEN

see related
SPERMATOZOA

Secondary premature ejaculation due to semen sensitivity. Williams W. **Aust NZ J Psychiatry** 1980 Sep;14(3):217-8

Collection of semen from stallions at stud. Dowsett KF, et al. **Aust Vet J** 1980 Aug;56(8):373-8

The frequency of collection and semen production in Muscovy ducks. Tan NS. **Br Poult Sci** 1980 Jul; 21(4):265-72

Seminal characteristics in the presence of a varicocele as compared with those of expectant fathers and prevasectomy men. Fariss BL, et al. **Fertil Steril** 1981 Mar; 35(3):325-7

Noninvasive method of semen collection for successful artificial insemination in a case of retrograde ejaculation. Mahadevan M, et al. **Fertil Steril** 1981 Aug;36(2):243-7

Human seminal lectin. I. Demonstration and association with male infertility. Mahadevan M, et al. **Fertil Steril** 1980 Nov; 34(5):490-5

Semen analysis in subfertile balanced-translocation carriers. Marmor D, et al. **Fertil Steril** 1980 Nov;34(5):496-502

Effect of seminal plasma on Chlamydia trachomatis strain LB-1 in cell culture. Hanna L, et al. **Infect Immun** 1981 Apr;32(1):404-6

Haematospermia: a review of 47 cases. Quill D, et al. **Ir Med J** 1980 Nov;73(11):418-9

Effects of two simulated semen culling programs on predicted fertility in an artificially inseminated cow population. Oltenacu EA, et al. **J Dairy Sci** 1980 Aug; 63(8):1351-5

Hemospermia and hypertension two case reports. Hamburger S, et al. **J Kans Med Soc** 1980 Oct;81(10):459-60

Semen cryopreservation and testicular cancer [letter] Carswell JJ, et al. **Urology** 1980 Sep;16(3):332

The direct influence of stallion semen on progesterone production in cultured corpus luteum cells. Gregoraszczuk E, et al. **Zentralbl Veterinaermed [A]** 1980;27(9-10):788-95

[The surgery of low seminal obstruction. A study of 110 consecutive cases (authors' transl)] Adjiman M. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(5):575-8 (Eng. Abstr.) **(Fre)**

ANALYSIS

Studies on the origin and nature of seminal proteins by cellulose acetate electrophoresis. Clavert A, et al. **Andrologia** 1980 Jul-Aug;12(4):338-44

Electrolyte concentration in semen. Girgis SM, et al. **Andrologia** 1980 Jul-Aug;12(4):323-7

Semen analysis in sickle cell disease. Nahoum CR, et al. **Andrologia** 1980 Nov-Dec;12(6):542-5

Gold in human semen. Skandhan KP. **Andrologia** 1981 Jan-Feb;13(1):78-82

Endocrine profile of semen in subfertile males with varicocele. Abdalla MI, et al. **Arch Androl** 1981 Mar; 6(2):175-9

A fluorometric-reflectometric technique for simultaneous measurement of pH and motility in ram semen. Bar-Sagie D, et al. **Arch Androl** 1981 Aug;7(1):27-33

Preliminary characterization of a new androgen-binding protein in human seminal plasma. Barahona E, et al. **Arch Androl** 1980 May;4(3):235-48

Abnormal prolactin levels in serum and seminal plasma in infertile men. Merino G, et al. **Arch Androl** 1980 Jun; 4(4):353-5

Purification and properties of a carbohydrate-containing

glycoprotein specific to rabbit genital tract. Müller B, et al. **Biol Reprod** 1980 Aug;23(1):143–52

Electrothermal atomic absorption spectrophotometry of cadmium in semen. Wetzel LT, et al. **Clin Chem** 1980 Dec; 26(13):1796–9

Laser nephelometric quantitation of fibronectin (cold-insoluble globulin) in human cerebrospinal fluid and seminal plasma. Gressner AM, et al. **Clin Chim Acta** 1981 Jun 18;113(2):207–12

Human saliva and semen: evidence for proteins common to both which do not occur in serum. Eckersall PD, et al. **Clin Sci** 1981 Feb;60(2):179–84

Effect of STS 557 on semen composition, fertility and sexual behaviour of male rabbits. Freund H, et al. **Contraception** 1980 Jun;21(6):641–50

Seminal plasma level of unconjugated testosterone in human. Dasgupta PR, et al. **Endokrinologie** 1981 Apr;77(2):147–51

Hammen semen quality classification and pregnancies obtained during a twenty-year follow-up period. Bostofte E, et al. **Fertil Steril** 1981 Jul;36(1):84–7

Carnitine and acylcarnitines in semen from azoospermic patients. Lewin LM, et al. **Fertil Steril** 1981 Aug; 36(2):214–8

Presence of soluble b-type cytochrome in human seminal fluid. Trifunac NP, et al. **Fertil Steril** 1981 Mar;35(3):337–41

Effect of water immersion on seminal stains on cotton cloth. Joshi UN, et al. **Forensic Sci Int** 1981 Jan–Feb;17(1):9–11

Detection of amphetamine in bloodstains, semen, seminal stains, saliva, and saliva stains. Smith FP. **Forensic Sci Int** 1981 May–Jun;17(3):225–8

The determination of choline in human semen by the enzymic method. Takatori T, et al. **Forensic Sci Int** 1981 Jan–Feb; 17(1):79–84

High concentrations of fibronectin-like antigens in human seminal plasma. Vuento M, et al. **Hoppe Seylers Z Physiol Chem** 1980 Sep;361(9):1453–6

Seminal plasma fructose, zinc, magnesium and acid phosphatase in cases of male infertility. Abyholm T, et al. **Int J Androl** 1981 Feb;4(1):75–81

Secretion of metronidazole into the human semen. Eliasson R, et al. **Int J Androl** 1980 Jun;3(3):230–42

Quality of semen obtained from 627 fertile men. Homonnai ZT, et al. **Int J Androl** 1980 Jun;3(3):217–28

Varicocelectomy and male fertility: comparison of semen quality and recurrence of varicocele following varicocelectomy by two techniques. Homonnai ZT, et al. **Int J Androl** 1980 Aug;3(4):447–58

Human seminal lectin. II. Properties of a lectin like factor in the human seminal plasma. Mahadevan M, et al. **Int J Androl** 1981 Jun;4(3):398–408

Seminal plasma and progressive motility of boar spermatozoa. Tso WW, et al. **Int J Androl** 1980 Jun;3(3):243–50

Semen separation technique monitored with greater accuracy by B-body test. Bhattacharya BC, et al. **Int J Fertil** 1979; 24(4):256–9

Inherent ranges of seminal prolactin in pre- and postvasectomy subjects. Luqman W, et al. **Int J Fertil** 1979; 24(4):286–88

Autoproteolysis in human seminal plasma under acidic condition. Thangnipon W, et al. **Int J Fertil** 1979; 24(4):260–3

An inverse relationship exists between seminal plasma inhibin and serum follicle-stimulating hormone in man. Scott RS, et al. **J Clin Endocrinol Metab** 1981 Apr;52(4):796–803

beta-Endorphin 61–91 and other beta-endorphin-immunoreactive peptides in human semen. Sharp B, et al. **J Clin Endocrinol Metab** 1981 Mar; 52(3):586–8

The importance of examining skin and hair for semen in sexual assault cases. Enos WF, et al. **J Forensic Sci** 1981 Jul;26(3):605–7

A new enzymatic method for the demonstration of choline in human seminal stains. Suzuki O, et al. **J Forensic Sci** 1981 Apr;26(2):410–5

Radioimmunoassay of prostaglandins in the semen of fertile men. Gerozissis K, et al. **J Reprod Fertil** 1981 Mar; 61(2):487–90

The effect of season of the year on the characteristics and composition of dog semen. Taha MB, et al. **J Small Anim Pract** 1981 Apr;22(4):177–84

Genital abnormalities and abnormal semen analyses in male patients exposed to diethylstilbestrol in utero. Whitehead ED, et al. **J Urol** 1981 Jan;125(1):47–50

Binding of an inhibin-like protein from bull seminal plasma to ovine pituitary membranes. Sairam MR, et al. **Mol Cell Endocrinol** 1981 May;22(2):251–64

Isolation and characterization of a bovine seminal plasma protein inhibiting pituitary FSH secretion. Sairam MR, et al. **Mol Cell Endocrinol** 1981 May;22(2):231–50

Sperm penetration assay: useful test in evaluation of male fertility. Karp LE, et al. **Obstet Gynecol** 1981 May; 57(5):620–3

Prostaglandin E1 and E2 in bovine semen: quantification by gas chromatography. Mai J, et al. **Prostaglandins** 1980 Aug; 20(2):187–97

Reduced activity of Mg2+- and Ca2+-dependent adenosine triphosphatase in seminal fluid of patients with oligozoospermia. Stegmayr B, et al. **Scand J Urol Nephrol** 1980;14(2):129–34

Tris(dichloropropyl)phosphate, a mutagenic flame retardant: frequent cocurrence in human seminal plasma. Hudec T, et al. **Science** 1981 Feb 27;211(4485):951–2

Values for zinc in whole semen, fractions of split ejaculate, and expressed prostatic fluid. Marmar JL, et al. **Urology** 1980 Nov;16(5):478–80

[Fructose in ejaculate--correlation with age of proband (author's transl)] Barták V, et al. **Zentralbl Gynaekol** 1980; 102(14):779–82 (Eng. Abstr.) **(Ger)**

[Concentration of ions of selected trace elements in the ejaculates of boars after interruption of the flow of the secretion from the testes, epididymis and accessory sexual glands] Dubiel A, et al. **Pol Arch Weter** 1980;21(4):485–92 (Eng. Abstr.) **(Pol)**

[Hormonal and biochemical parameters in varicocele] Netto Júnior NR, et al. **AMB** 1980 Apr;26(4):135–6 (Eng. Abstr.) **(Por)**

[Varicocele--hormonal values, ejaculate biochemical parameters and spermiograms prior to and after operation (author's transl)] Cvitković P, et al. **Lijec Vjesn** 1980 Sep; 102(9):493–8 (Eng. Abstr.) **(Scr)**

CYTOLOGY

Proliferation of lymphocytes induced by the seminal nonspermatozoal cells [letter] Kurpisz M, et al. **Arch Androl** 1980 Sep;5(2):221–2

Techniques for the detection of leukocytospermia in human semen. Riedel HH. **Arch Androl** 1980 Nov;5(3):287–93

Semen parameters in Macaca mulatta: ejaculates from random and selected monkeys. Harrison RM. **J Med Primatol** 1980;9(5):265–73

Sperm morphology and in vitro viability in diluted semen in relation to fertility of AI boars. Larsson K, et al. **Nord Vet Med** 1980 Dec;32(12):533–42

Seasonal and age-related changes in semen quality and testicular morphology of bulls in a tropical environment. Kumi-Diaka J, et al. **Vet Rec** 1981 Jan 3;108(1):13–5

[Disintegration of human spermatozoa in flow cytometry of semen] Hofmann N, et al. **Andrologia** 1980 Nov–Dec; 12(6):534–9 (Eng. Abstr.) **(Ger)**

[Evidence for leukocytospermia and its significance for male fertility] Riedel HH, et al. **Z Hautkr** 1980 Aug 1; 55(15):987–1006 **(Ger)**

[Diagnosis of cytogenetical disorders in male infertility] Templado C, et al. **Acta Med Port** 1980 Jul–Aug;1(4):451–6 (Eng. Abstr.) **(Spa)**

DRUG EFFECTS

Lack of effect of bromocriptine on semen quality in men with normal or slightly elevated prolactin levels. Baker HW, et al. **Aust NZ J Obstet Gynaecol** 1980 Aug; 20(3):158–61

Comparative studies on the conception rates of cattle inseminated by semen preserved in various diluents. Naidu MK, et al. **Br Vet J** 1980 Jul–Aug;136(4):384–7

Use of Sputolysin form liquefaction of viscid human semen. Upadhyaya M, et al. **Fertil Steril** 1981 Jun;35(6):657–61

Effect of norephedrine locally applied to the vas deferens on semen quality of rabbits. Ratnasooriya WD, et al. **Indian J Exp Biol** 1981 Jan;19(1):20–5

Dibromochloropropane and its effect on testicular function in man. Lipshultz LI, et al. **J Urol** 1980 Oct;124(4):464–8

Semen quality in workers exposed to carbon disulfide compared to a control group from the same plant. Meyer CR. **JOM** 1981 Jun;23(6):435–9

Toxicity of plastic materials as evaluated by means of bull semen (preliminary report). Knasiak-Paluch D. **Pol J Pharmacol Pharm** 1980 Jan–Feb;32(1):109–14

ENZYMOLOGY

Radioimmunoassay of human prostate-specific acid phosphatase. A sensitive and specific assay for semen detection in forensic medicine. Vihko P, et al. **Am J Clin Pathol** 1981 Feb;75(2):219–20

Prostatic origin of pyruvate kinase activity in human seminal plasma. Boonsaeng V, et al. **Andrologia** 1980 Nov–Dec; 12(6):559–63

Seminal plasma biochemistry II: seminal plasma and spermatozoal cytidine monophosphate-sialic acid synthetase and sialyltransferase activities. Daunter B, et al. **Andrologia** 1981 May–Jun;13(3):215–24

Enhanced seminal plasma ribonuclease activities in azoospermia, severe oligiozoospermia, and asthenozoospermia. Biswas S, et al. **Arch Androl** 1980 May; 4(3):271–3

Active and inactive renin in human seminal plasma. Craven DJ, et al. **Arch Androl** 1981 Aug;7(1):63–7

Seminal plasma creatine kinase activity in fertility studies. Gonzalez Buitrago JM, et al. **Arch Androl** 1980 Dec; 5(4):355–60

Some properties of acid and alkaline phosphatase in seminal fluid and isolated sperm. Singer R, et al. **Arch Androl** 1980 Sep;5(2):195–9

Studies of bovine seminal fluid nucleotide pyrophosphatase. Buckon ME, et al. **Arch Biochem Biophys** 1980 Jul; 202(2):396–404

Properties of spermatozoal superoxide dismutase and lack of involvement of superoxides in metal-ion-catalysed lipid-peroxidation and reactions in semen. Mennella MR, et al. **Biochem J** 1980 Nov 1;191(2):289–97

Improved purification and fluorescence changes upon activation of human seminal plasma acidic protease proenzyme. Surinrut P, et al. **Biochim Biophys Acta** 1981 May 14;659(1):38–47

In vitro studies on selective inhibition of tumor cell growth by seminal ribonuclease. Vescia S, et al. **Cancer Res** 1980 Oct;40(10):3740–4

Rapid, fully automated radioimmunoassay of prostatic acid phosphatase in serum. Dass S, et al. **Clin Chem** 1980 Oct; 26(11):1583–7

Reduced glutathione is not required for measurement of alpha-D-glucosidase in human seminal plasma [letter] Parrish RF, et al. **Clin Chem** 1981 Apr;27(4):641

Postcoital enzyme activities in the vagina [letter] Rutter E, et al. **Clin Chem** 1981 Jan;27(1):200–1

Studies of esterase 6 in Drosophila melanogaster. VI. ejaculate competitive abilities of males having null or active alleles. Gilbert DG, et al. **Genetics** 1981 Jan;97(1):85–94

Interactions of boar acrosin with detergents. Müller-Esterl W, et al. **Hoppe Seylers Z Physiol Chem** 1980 Nov; 361(11):1673–82

Influence of genotype & season upon phosphomonoesterase & transaminase activity in semen plasma of the fowl Gallus domesticus. Datta IC, et al. **Indian J Exp Biol** 1980 Oct; 18(10):1195–8

Sorbitol dehydrogenase & hyaluronidase activity in buffalo semen. Dhanda OP, et al. **Indian J Exp Biol** 1981 Mar; 19(3):286

Seminal acid phosphatase from normal, oligospermic, vasectomized, and azoospermic men. Saha A, et al. **Int J Fertil** 1981;26(2):124–7

The evidential value of peptidase A as a semen typing system. Parkin BH. **J Forensic Sci** 1981 Apr;26(2):398–404

Amino acid composition of RNAase from seminal plasma: a correction. Bhargava PM, et al. **J Mol Biol** 1981 Feb 25;146(2):265–7

Bull semen RNAase revisited. D'Alessio G, et al. **J Mol Biol** 1981 Feb 25;146(2):269–74

Studies on dipeptidyl carboxypeptidase in the male reproductive organs; its biological and pathological status. Kaneko S, et al. **J Pharmacobiodyn** 1981 Mar;4(3):175–83

Antitumoral action of bovine seminal ribonuclease. Vescia S, et al. **Mol Cell Biochem** 1981 May 26;36(3):125–8

gamma-Glutamyltransferase test as a new tool for identification of seminal stains. Suzuki O, et al. **Z Rechtsmed** 1980;86(1):35–9

Status of aerosomal hyaluronidase in cattle semen during preservation. Ganguli NC, et al. **Zentralbl Veterinaermed [A]** 1980 May;27(3):221–7

[Hyaluronidase activity in human seminal fluid] Fantoni A, et al. **Arch Sci Med (Torino)** 1981 Apr–Jun;138(2):155–6 **(Ita)**

[Lactate dehydrogenase isoenzyme activity in the semen in male sterility] Bokiniec M, et al. **Ginekol Pol** 1980 Dec; 51(12):1147–51 (Eng. Abstr.) **(Pol)**

[Enzyme activity in the semen in cases of male sterility] Wodarczyk-Matysek D, et al. **Wiad Lek** 1981 Feb 1; 34(3):209–12 (Eng. Abstr.) **(Pol)**

[Gammaglutamyl-transferase activity in human semen. Application to fertility studies (author's transl)] González Buitrago JM, et al. **Med Clin (Barc)** 1981 May 10; 76(9):401–4 (Eng. Abstr.) **(Spa)**

IMMUNOLOGY

Allergy to human seminal plasma: a presentation of six cases. Kroon S. **Acta Derm Venereol (Stockh)** 1980;60(5):436–9

Localized and systemic hypersensitivity reactions to human seminal fluid. Bernstein IL, et al. **Ann Intern Med** 1981 Apr;94(4 pt 1):459–65

Immunological properties of seminal vesicle fluid. Veselský L. **Arch Androl** 1981 Aug;7(1):1–7

Sperm-immobilizing monoclonal antibody to human seminal plasma antigens. Shigeta M, et al. **Clin Exp Immunol** 1980 Dec;42(3):458–62

Immunosuppression of cell- and serum-medicated tumour-associated immunity in prostatic cancer by human seminal plasma. Ablin RJ, et al. **Eur J Cancer** 1980 Jun; 16(6):775–80

Immunoglobulins in the semen of men with azoospermia, oligospermia, or self-agglutination of spermatozoa. Sullivan H, et al. **Fertil Steril** 1980 Nov;34(5):465–8

The effect of haemagglutinating factor from boar seminal vesicle fluid on leucocytes. Veselský L, et al. **Int J Fertil** 1981;26(1):61–4

Hepatitis B surface antigen in menstrual blood and semen. Ayoola EA, et al. **Int J Gynaecol Obstet** 1980;18(3):185–7

Human seminal plasma inhibition of antibody complement-mediated killing and opsonization of Neisseria gonorrhoeae and other gram-negative organisms. Brooks GF, et al. **J Clin Invest** 1981 May;67(5):1523–31

The inhibitors in seminal plasma. Hess EV, et al. **J Lab Clin Med** 1980 Oct;96(4):577–81

Human seminal plasma inhibition of complement. Petersen BH, et al. **J Lab Clin Med** 1980 Oct;96(4):582–91

Effect of human seminal plasma on tumour-associated immunity in patients with adenocarcinoma of the prostate. Ablin RJ, et al. **J Reprod Immunol** 1980 Feb;1(5–6):337–45

In vitro studies in reproductive immunology. - 2. Demonstration of the inhibitory effect of male genital tract constituents on PHA-stimulated mitogenesis and E-rosette formation of human lymphocytes. Marcus ZH, et al. **J Reprod Immunol** 1979 JUL;1(2):97–107

Effects of seminal constituents in leucocyte migration tests on infertile couples. Mirecka J, et al. **J Reprod Immunol** 1981 Mar;2(6):331–7

Studies on immune infertility: a hypothesis on the etiology

of immune infertility based on the biological role of seminal plasma immune response inhibitor. Prakash C, et al. **Mt Sinai J Med (NY)** 1980 Sep–Oct;47(5):491–510

Inherited tolerance? [letter] Jones KW. **Nature** 1981 Mar 26; 290(5804):286

Hybridoma producing monoclonal sperm immobilizing antibody to human seminal human plasma antigens. Shigeta M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Jul; 32(7):965–6

Evaluation of infertility due to semen antigenicity and certain techniques adapted for its detection. Skandhan KP. **Panminerva Med** 1979 Oct–Dec;21(4):191–6 (110 ref.)

[Creatine phosphokinase activity and CPK isoenzyme pattern in human sperm (author's transl)] Schmechta H, et al. **Dermatol Monatsschr** 1980 May;166(5):312–6 (Eng. Abstr.) **(Ger)**

[Immunoglobulins in serum and seminal fluid in patients with sperm agglutination] Janković D, et al. **Jugosl Ginekol Opstet** 1980 May–Aug;20(3–4):223–31 (Eng. Abstr.) **(Scr)**

METABOLISM

Reversible inhibition of nuclear chromatin decondensation (NCD) ability of human spermatozoa induced by prostatic fluid. Kvist U. **Acta Physiol Scand** 1980 May;109(1):73–8

Rapid post-ejaculatory inhibitory effect of seminal plasma on sperm nuclear chromatin decondensation ability in man. Kvist U. **Acta Physiol Scand** 1980 May;109(1):69–72

High concentration of immunoreactive calcitonin of prostatic origin in human semen. Sjöberg HE, et al. **Acta Physiol Scand** 1980 Sep;110(1):101–2

Effect of varicocele on sperm respiration and metabolism. Ibrahim AA, et al. **Andrologia** 1981 May–Jun;13(3):253–9

Correlation of sodium and potassium in human seminal plasma with fertilizing capacity of normal, and infertile subjects. Skandhan KP, et al. **Andrologia** 1981 Mar–Apr; 13(2):147–54

Comparison of the content of chlorinated pesticide residues in human semen, testicles and fat tissues. Szymczyński GA, et al. **Andrologia** 1981 May–Jun;13(3):250–2

Human seminal biochemistry: fructose, ascorbic acid, citric acid, acid phosphatase and their relationship with sperm count. Videla E, et al. **Andrologia** 1981 May–Jun; 13(3):212–4

Pathological seminal plasma proteins by cellulose acetate electrophoresis. Clavert A, et al. **Arch Androl** 1981 Feb; 6(1):53–60

Lack of seasonal changes in biochemical constituents of bonnet monkey semen. Jayaraman S, et al. **Arch Androl** 1980 Jun;4(4):327–30

Variable sensitivity of prepubertal male rats to inhibin-like activity of bull seminal plasma and to testosterone propionate. Peek JC, et al. **Biol Reprod** 1981 Apr; 24(3):475–82

Evidence for the presence of specific prolactin binding protein in rat seminal vesicle fluid. Raikar RS, et al. **Endocrinol Exp (Bratisl)** 1981;15(1):55–64

Zinc and zinc ligands in human seminal plasma. I. Methodological aspects and normal findings. Arver S. **Int J Androl** 1980 Dec;3(6):629–42

Testosterone and 5 alpha-dihydrotestosterone concentrations in human seminal plasma. Le Lannou D, et al. **Int J Androl** 1980 Oct;3(5):502–6

Free L-carnitine in human seminal plasma. Soufir JC, et al. **Int J Androl** 1981 Jun;4(3):388–97

The levels of the male serum and seminal fluid prolactin in oligospermia and azoospermia. Suchanek E, et al. **Int J Fertil** 1981;26(2):128–31

The effect of freezing and storage on seminal immunoreactive prolactin. Luqman WA, et al. **J Endocrinol Invest** 1980 Oct–Dec;3(4):433–5

Changes in luminal plasma and disappearance of spermatozoa from the ligated cauda epididymidis of the androgen-deficient rabbit. Jones R, et al. **J Reprod Fertil** 1980 Sep;60(1):65–72

Luminal composition and maturation of spermatozoa in the genital ducts of the African elephant (Loxodonta africana). Jones RC. **J Reprod Fertil** 1980 Sep;60(1):87–93

Long-term effects of vasectomy on prostatic function in men. Naik VK, et al. **J Reprod Fertil** 1980 Mar;58(2):289–93

Characterization of sperm surface and seminal plasma glycoproteins of the chimpanzee. Olson GE, et al. **J Reprod Fertil** 1981 May;62(1):185–91

Influence of dietary protein during the pre-breeder period on subsequent reproductive performance of large white turkeys. 3. The effects of semen volume and frequency of insemination on fertility and hatchability. Meyer GB, et al. **Poult Sci** 1980 Feb;59(2):363–8

The influence of prostaglandins on sperm motility. Schlegel W, et al. **Prostaglandins** 1981 Jan;21(1):87–99

Some biochemical characteristics of porcine seminal plasma under stressful hot humid climatic conditions. Egbunike GN, et al. **Zentralbl Veterinaermed [A]** 1980;27(7):555–62

[Concentration of orally administered pentoxyfyllin in seminal fluid] Schramm P, et al. **Andrologia** 1980 Sep–Oct; 12(5):482–4 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Examination of human semen infected with Ureaplasma urealyticum by fluorescence microscopy. Swenson CE, et al. **Arch Androl** 1980 Dec;5(4):373–7

Survival of bacteria after freezing of human semen in liquid nitrogen. Garcia A, et al. **Fertil Steril** 1981 May; 35(5):549–51

Culture of seminal fluid in a fertility clinic. Lewis RW, et al. **Fertil Steril** 1981 Feb;35(2):194–8

Asymptomatic bacteriospermia in fertile and infertile men. Toth A, et al. **Fertil Steril** 1981 Jul;36(1):88–91

Bacterial flora in semen before and after doxycycline treatment of infertile couples. Moberg PJ, et al. **Int J Androl** 1980 Feb;3(1):46–58

Mycobacterium paratuberculosis in the semen and genital organs of a semen-donor bull. Larsen AB, et al. **J Am Vet Med Assoc** 1981 JUl 15;179(2):169–71

Quantitative culture of ureaplasma urealyticum in patients with chronic prostatitis or prostatosis. Weidner W, et al. **J Urol** 1980 Nov;124(5):622–5

The recovery of ureaplasmas from the semen and prepuce of bulls. Hodges RT, et al. **NZ Vet J** 1980 May;28(5):89–90

Enzootic bovine leucosis virus in semen. Lucas MH, et al. **Vet Rec** 1980 Feb 9;106(6):128

[Sensitivity of Pseudomonas aeruginosa strains isolated from frozen bull seminal fluid to antibiotics, sulfamides and furazolidone] Kuradzhiĭski N. **Vet Med Nauki** 1980; 17(9–10):3–8 (Eng. Abstr.) **(Bul)**

[Effect of antibiotics penicillin and streptomycin in the cryopreserving medium (author's transl)] Glander HJ, et al. **Dermatol Monatsschr** 1980 Jul;166(7):482–8 (Eng. Abstr.) **(Ger)**

[Isolation of Chlamydia psittaci from bull ejaculate] Trávniček M, et al. **Vet Med (Praha)** 1980 Nov; 25(11):669–73 (Eng. Abstr.) **(Slo)**

PARASITOLOGY

Schistosoma haematobium ova in semen [letter] Lembeli CM, et al. **J Urol** 1981 Apr;125(4):603

PHYSIOLOGY

Sperm nuclear chromatin decondensation ability. An in vitro study on ejaculated human spermatozoa. Kvist U. **Acta Physiol Scand [Suppl]** 1980;Suppl 486:1–24 (139 ref.)

Influence of boar seminal plasma on the distribution of spermatozoa in the genital tract of gilts. Viring S, et al. **Acta Vet Scand** 1980;21(4):598–606

Effect of boar seminal plasma on uterine and oviductal motility in oestrous gilts. Viring S, et al. **Acta Vet Scand** 1980;21(4):607–16

Transglutaminases in mammalian reproductive tissues and fluids: relation to polyamine metabolism and semen coagulation. Williams-Ashman HG, et al. **Adv Enzyme Regul** 1980;18:239–58

Seminal plasma biochemistry. I. Preliminary report: a possible mechanism for the liquefaction of human seminal plasma and its relationship to spermatozoal motility. Daunter B, et al. **Andrologia** 1981 Mar–Apr;13(2):131–41

In vitro studies in reproductive immunology. 3. Restoration of mitogenic activity of lymphocytes inhibited by seminal plasma in man. Marcus ZH, et al. **Arch Androl** 1981 Feb; 6(1):67–74

Glucose content as a parameter of semen quality. Martikainen P, et al. **Arch Androl** 1980 Dec;5(4):337–43

Influence of injected selenium in dairy bulls on blood and semen selenium, glutathione peroxidase and seminal quality. Bartle JL, et al. **Biol Reprod** 1980 Dec;23(5):1007–13

Relationship between semen quality and human sperm penetration of zona-free hamster ova. Hall JL. **Fertil Steril** 1981 Apr;35(4):457–63

The importance of seminal plasma for sperm penetration of human cervical mucus. Overstreet JW, et al. **Fertil Steril** 1980 Dec;34(6):569–72

Inhibition of leukocyte granule proteinases by natural inhibitors isolated from colostrum and bull seminal plasma. Stančíková M, et al. **Hoppe Seylers Z Physiol Chem** 1980 Jul;361(7):1129–33

The success of A.I.D. and semen characteristics: study on 1489 cycles and 192 ejaculates. David G, et al. **Int J Androl** 1980 Dec;3(6):613–9

Influence of seminal plasma on the chromatin stability of ejaculated human spermatozoa. Kvist U, et al. **Int J Androl** 1980 Apr;3(2):130–42

Comparison of sperm-rich fractions of boar semen collected by electroejaculation and the gloved-hand technique. Basurto-Kuba VM, et al. **J Am Vet Med Assoc** 1981 May 1;178(9):985–6

Temperature of the artificial vagina and its effect on seminal quality and behavioral characteristics of stallions. Hillman RB, et al. **J Am Vet Med Assoc** 1980 Oct 15;177(8):720–2

Synergism between bovine seminal plasma extract and testosterone propionate in suppressing serum concentrations of gonadotrophins in acutely castrated rats: a role for inhibin. Peek JC, et al. **J Endocrinol** 1980 Aug; 86(2):349–55

Fertilizing ability of semen from rams of high- and low-prolificacy flocks. Moore RW, et al. **J Reprod Fertil** 1980 Jul;59(2):311–6

Effect of prostaglandin and seminal fluid on human chorioamniotic membranes. Lavery JP, et al. **JAMA** 1981 Jun 19;245(23):2425–7

SECRETION

Electroejaculation: its technique, neurological implications and uses. Brindley GS. **J Neurol Neurosurg Psychiatry** 1981 Jan;44(1):9–18

SEMEN PRESERVATION

Reduced motility longevity in thawed human spermatozoa. Keel BA, et al. **Arch Androl** 1980 May;4(3):213–5

Motility characteristics of human sperm, nonfrozen and cryopreserved. Keel BA, et al. **Arch Androl** 1980 May; 4(3):205–12

Artificial donor insemination frozen versus fresh semen. Leeton J, et al. **Aust NZ J Obstet Gynaecol** 1980 Nov; 20(4):205–7

Artificial insemination with frozen sperm: protocol, method of analysis and results for 1188 women. David G, et al. **Br J Obstet Gynaecol** 1980 Nov;87(11):1022–8

The effect of kinins (kallikrein) on recovery of motility of frozen human spermatozoa. Chong AP, et al. **Fertil Steril** 1980 Oct;34(4):396–8

Homologous artificial insemination after long-term semen cryopreservation. Friedman S, et al. **Fertil Steril** 1981 Mar; 35(3):321–4

Survival of bacteria after freezing of human semen in liquid nitrogen. Garcia A, et al. **Fertil Steril** 1981 May; 35(5):549–51

Artificial insemination by frozen donor semen: results of multicentre Australian experience. Trounson AO, et al. **Int J Androl** 1981 APr;4(2):227–34

The use of frozen-thawed semen for therapeutic insemination (donor). Sanger WG, et al. **Int J Fertil** 1979;24(4):267–9

Fertilizing capacity and morphology of fowl and turkey spermatozoa in hypotonic extender. Bakst MR. **J Reprod Fertil** 1980 Sep;60(1):121–7

Factors affecting the quality of boar semen stored by means of dialysis. Bamba K, et al. **J Reprod Fertil** 1981 May; 62(1):193–7

Fertility of bull spermatozoa in egg-yolk diluents of varied lipid fatty acid composition. Foulkes JA, et al. **J Reprod Fertil** 1980 Sep;60(1):165–9

Cryoprotective effects of some amides on rabbit spermatozoa. Hanada A, et al. **J Reprod Fertil** 1980 Sep;60(1):247–52

Changes in adenosine 5'-triphosphate, adenylate energy charge and adenosine 3'5'-cyclic monophosphate during the freezing of buffalo semen. Kakar SS, et al. **J Reprod Fertil** 1981 Jul;62(2):543–8

Artificial insemination with donor semen. Review of 252 patients. Kovacs GT, et al. **Med J Aust** 1980 Nov 29; 2(11):609–12

A new poultry semen extender. 4. Effect of antibacterials in control of bacterial contamination in chicken semen. Sexton TJ, et al. **Poult Sci** 1980 Feb;59(2):274–81

Revivability of buffalo-spermatozoa after deep freezing the semen using various extenders. Matharoo JS, et al. **Zentralbl Veterinaermed [A]** 1980 Jul;27(5):385–91

[Effect of diluents for long-term storage on the acrosomes of ram spermatozoa] Fornusek L, et al. **Vet Med (Praha)** 1981;26(4):213–21 (Eng. Abstr.) **(Cze)**

[Effect of antibiotics penicillin and streptomycin in the cryopreserving medium (author's transl)] Glander HJ, et al. **Dermatol Monatsschr** 1980 Jul;166(7):482–8 (Eng. Abstr.) **(Ger)**

[The effect of highly purified swine pancreatic kallikrein on sperm motility after cryopreservation] Maier U, et al. **Z Urol Nephrol** 1981 Apr;74(4):271–4 (Eng. Abstr.) **(Ger)**

METHODS

Glutamic-oxalacetic transaminase leakage from human spermatozoa as an indicator of cryodamage. Mortimer D, et al. **Arch Androl** 1981 Jun;6(4):337–41

Preservation techniques for human semen. Thachil JV, et al. **Fertil Steril** 1981 May;35(5):546–8

[Effectors at storage of spermatozoa. Second report: Effects of vitamin E on the fertilizing capacity and the vitality of spermatozoa after liquid- and cryopreservation (author's transl)] Brückner G, et al. **Dermatol Monatsschr** 1980 Dec; 166(12):784–92 (Eng. Abstr.) **(Ger)**

[Effectors at cryopreservation of spermatozoa. First report: Effects of caffeine on the motility and the respiration of human spermatozoa after freezing and thawing (author's transl)] Glander HJ, et al. **Dermatol Monatsschr** 1980 Dec; 166(12):777–83 (Eng. Abstr.) **(Ger)**

VETERINARY

Preservation of fowl semen in liquid nitrogen: application to breeding programmes. Lake PE, et al. **Br Poult Sci** 1981 Jan;22(1):71–7

Reduced post-thawing survival of sperm in bulls with mycoplasmal vesiculitis. Hall CE, et al. **Cornell Vet** 1981 Jan;71(1):111–2

Temperature of the artificial vagina and its effect on seminal quality and behavioral characteristics of stallions. Hillman RB, et al. **J Am Vet Med Assoc** 1980 Oct 15;177(8):720–2

Use of spermatozoa for artificial insemination. I. Fertilizing capacity of fresh and frozen spermatozoa in sows on 36 farms. Johnson LA, et al. **J Anim Sci** 1981 May; 52(5):1130–6

Influence of long term storage on fertility of deep frozen bull semen. Lundgren B. **Nord Vet Med** 1980 Oct; 32(10):427–32

Preservation of the fertilizing capacity of cock semen incubated in vitro at 41 C. Howarth B Jr. **Poult Sci** 1981

May;60(5):1075–8
An evaluation of gelatin as a diluent component for storage of chicken semen. Resseguie WD, et al. **Poult Sci** 1981 Feb;60(2):469–76
Optimal rates for cooling chicken semen from +5 to −196 C. Sexton TJ. **Poult Sci** 1980 Dec;59(12):2765–70
Acrosomal damage of buffalo spermatozoa during freezing in extenders. Chinnaiya GP, et al.
Zentralbl Veterinaermed [A] 1980 Jun;27(4):339–42
Freezability of buffalo semen in different extenders. Chinnaiya GP, et al. **Zentralbl Veterinaermed [A]** 1980; 27(7):563–8
Status of aerosomal hyaluronidase in cattle semen during preservation. Ganguli NC, et al.
Zentralbl Veterinaermed [A] 1980 May;27(3):221–7
[Problems relating to low temperature preservation of ram semen. 1. Effects of various cryoprotective agents on sperm] Neubert L, et al. **Arch Exp Veterinaermed** 1981; 35(1):51–6 (Eng. Abstr.) **(Ger)**

SEMIASPARTATE ALDEHYDE DEHYDROGENASE see **ASPARTATE SEMIALDEHYDE DEHYDROGENASE**

SEMICARBAZIDES

CHEMICAL SYNTHESIS

[Synthesis of 1-aroyl-4H(R)-thiosemicarbazides, the corresponding 5-aryl 4H(R)-1,2,4-triazolin-3-thiones and some derivatives of pharmaceutical interest] Mazzone G, et al. **Farmaco [Sci]** 1981 Mar;36(3):181–96 (Eng. Abstr.) **(Ita)**

PHARMACODYNAMICS

Protective effects of semicarbazide and p-aminobenzoic acid against ozone toxicity. Verweij H, et al.
Biochem Pharmacol 1981 May 15;30(10):1033–7
Effects of semicarbazide on oxidative processes in human red blood cell membranes. Verweij H, et al.
Biochim Biophys Acta 1980 Nov 18;602(3):591–9
Subcellular location of semicarbazide-sensitive amine oxidase in rat aorta. Wibo M, et al. **Eur J Biochem** 1980 Nov; 112(1):87–94
Allylamine cardiotoxicity: III. Protection by semicarbazide and in vivo derangements of monoamine oxidase. Boor PJ, et al. **Toxicology** 1980;18(2):87–102

SEMICIRCULAR CANALS

ANATOMY & HISTOLOGY

Volumetric and dimensional measurements of vestibular structures in the squirrel monkey. Igarashi M, et al.
Acta Otolaryngol (Stockh) 1981 May–Jun;91(5–6):437–44
Canal–otolith convergence on cat ocular motoneurons. Precht W, et al. **Prog Brain Res** 1979;50:459–68

INNERVATION

Physiological responses of cat vestibular nerve to a selective mechanical stimulation of the lateral crista ampullaris. Sans A, et al. **Exp Brain Res** 1980;40(3):358–60
Vertical semicircular canal inputs to cat extraocular motoneurons. Uchino Y, et al. **Exp Brain Res** 1980; 41(1):45–53
Reciprocal synapses between hair cells and first order afferent dendrites in the crista ampullaris of the bullfrog. Dunn RF. **J Comp Neurol** 1980 Sep 1;193(1):255–64
Efferent vestibular neurons: a study employing retrograde tracer methods in the pigeon (Columba livia). Schwarz IE, et al. **J Comp Neurol** 1981 Feb 10;196(1):1–12
Neurodynamic response analysis of anterior semicircular canal afferents in the pigeon. Landolt JP, et al.
J Neurophysiol 1980 Jun;43(6):1746–70
Dogfish horizontal canal system: responses of primary afferent, vestibular and cerebellar neurons to rotational stimulation. Montgomery JC. **Neuroscience** 1980; 5(10):1761–9
Vestibular inputs to the fastigial nucleus; evidence of convergence of macular and ampullar inputs. Favilla M, et al. **Pfluegers Arch** 1980 Apr;384(3):193–201
Semicircular canal and macular influences on neck motoneurons. Maeda M. **Prog Brain Res** 1979;50:405–12
[The function of the human posterior vertical canal and the extent of central compensation in unilateral dissection of the vestibular nerve] Morgenstern C, et al.
Arch Otorhinolaryngol 1981;230(1):61–9 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Postrotatory nystagmus responses following controlled vestibular stimulation among adult, normal child, learning disabled child and emotionally handicapped child populations. Gorman DR, et al. **Am Correct Ther J** 1981 Jan–Feb;35(1):11–20
Eye-head coordination and lateral canal block in squirrel monkeys. Kubo T, et al. **Ann Otol Rhinol Laryngol** 1981 Mar–Apr;90(2 Pt 1):154–7
Response dynamics of horizontal canal afferents in barbiturate-anesthetized cats. Tomko DL, et al.
J Neurophysiol 1981 Mar;45(3):376–96
Electrical activity of isolated semicircular canal in the frog. Action of streptomycin. Bernard C. **Pfluegers Arch** 1980 Nov;388(2):93–9
Discharge properties of afferent fibres of the goldfish semicircular canal with high frequency stimulation. Hartmann R, et al. **Pfluegers Arch** 1980 Nov;388(2):111–21
The flow of endolymph in the semicircular canals. Pardoe K, et al. **Phys Med Biol** 1979 Sep;24(5):1009–13
Interaction of visual and canal inputs on the oculomotor system via the cerebellar flocculus. Miyashita Y.
Prog Brain Res 1979;50:695–702
[Considerations for a phylogenetic and modelling analysis of the semicircular canals] Martini A.
Ann Laringol Otol Rinol Faringol 1978;76(5–6):455–66 (Eng. Abstr.) **(Ita)**
[Analysis of forces stimulating the semicircular canals during human movement in a rotating system] Vorob'ev OA.
Izv Akad Nauk SSSR [Biol] 1980 Nov–Dec;(6):935–8 (Eng. Abstr.) **(Rus)**
[Reaction of the endolymphatic vestibular apparatus to periodic effects of the ship-rocking type] Gusev VM, et al.
Kosm Biol Aviakosm Med 1981 Jan–Feb;15(1):63–6 (Eng. Abstr.) **(Rus)**

SEMICONDUCTORS

[Experience with the hygienic training of workers in rare metals and semiconductor materials] Nedzel'skiĭ VA.
Gig Sanit 1981 Apr;(4):40–1 **(Rus)**

SEMILUNAR BONE

[Large cyst of the ulnar head and simultaneous lunatomalacia] Steinhäuser J. **Handchirurgie** 1979;11(3–4):207–8 (Eng. Abstr.) **(Ger)**
[Kienböck's disease: comparison of Graner's procedure with silastic endoprosthesis (author's transl)] Kerschbaumer F, et al. **Orthopaede** 1981 Jan;10(1):52–3 **(Ger)**
[Shortening osteotomy of the radius in the treatment of Kienböck's disease (author's transl)] Marti R, et al.
Orthopaede 1981 Jan;10(1):54–8 **(Ger)**
[Lunate malacia (kienböck's disease)] Segmüller G.
Orthopaede 1981 Jan;10(1):47–51 **(Ger)**
[Experiences with the Steinhäuser operation technique in progressive lunatum-malazie: a long-term follow-up study (author's transl)] Steinhäuser J. **Orthopaede** 1981 Jan; 10(1):59–63 **(Ger)**

ABNORMALITIES

Congenital fusion of the scaphoid and trapezium–case report. Zielinski CJ, et al. **J Hand Surg** 1981 MAY;6(3):220–2

INJURIES

Wrinkle corner. Epidemic lunate dislocation and a single-handed method of reduction. McKee GK. **Injury** 1980 Sep;12(2):171–2
[A case report: pseudarthrosis of the os lunato-triquetrum?] Scharizer E. **Handchirurgie** 1979;11(3–4):233–8 (Eng. Abstr.) **(Ger)**
[Surgical treatment of dislocation of the semilunar bone] Matwin B, et al. **Chir Narzadow Ruchu Ortop Pol** 1980; 45(6):523–7 (Eng. Abstr.) **(Pol)**

SEMILUNAR CARTILAGES

Cysts and 'pseudocysts' of the menisci of the knee joint. Cross MJ, et al. **Aust NZ J Surg** 1981 Feb;51(1):59–65
[Alkaptonuric ochronosis – rare cause of bilateral meniscopathy (author's transl)] Mathias K, et al.
Z Orthop 1980 Apr;118(2):270–3 (Eng. Abstr.) **(Ger)**

ABNORMALITIES

[Diagnosis and treatment of discoid meniscus in children] Zwierzchowski H. **Chir Narzadow Ruchu Ortop Pol** 1980; 45(3):265–7 (Eng. Abstr.) **(Pol)**

DRUG EFFECTS

Effect of intra-articular corticosteroid on the meniscus. A histological and histochemical study in rabbit knees. Ishikawa K. **J Bone Joint Surg [Am]** 1981 Jan; 63A(1):120–30

INJURIES

Repair of peripheral meniscus tears. A preliminary report. Cassidy RE, et al. **Am J Sports Med** 1981 Jul–Aug; 9(4):209–14
Function, post-traumatic sequelae and current concepts of management of knee meniscus injuries: a review article. DiStefano VJ. **Clin Orthop** 1980 Sep;(151):143–6
Thickening of the nuclear fibrous lamina in injured human semilunar cartilages. Ghadially FN, et al. **J Anat** 1980 Dec; 131(Pt 4):717–22
[The significance of arthrography and arthroscopy in the diagnosis of meniscus injury--a comparative study (author's transl)] Eckel H, et al. **Roentgenblaetter** 1981 Feb; 34(2):43–50 (Eng. Abstr.) **(Ger)**
[Morphology and evaluation of knee-joint meniscus ruptures (author's transl)] Oellig WP, et al. **Unfallheilkunde** 1981 Jul;84(7):295–301 (Eng. Abstr.) **(Ger)**
[Discrepancy between arthrography and arthrotomy with posterior lesions of the medial meniscus (author's transl)] Langlotz M, et al. **Z Orthop** 1980 Dec;118(6):868–73 (Eng. Abstr.) **(Ger)**
[Meniscus lesions] Burri C. **ZFA (Stuttgart)** 1980 Nov 10; 56(31):2090–100 **(Ger)**
[Post-traumatic knee joint instability - pathomechanics, diagnosis and treatment with regard to surgical methods in recent and inverterate capsulo-ligamental injuries] Orłowski J. **Chir Narzadow Ruchu Ortop Pol** 1980; 45(6):567–70 (Eng. Abstr.) **(Pol)**
[Knee joint cartilage injuries after traumatic rupture of the semilunar cartilage] Pizio Z, et al.
Chir Narzadow Ruchu Ortop Pol 1980;45(5):431–5 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Arthrographic study of the rheumatoid knee. Part 2. Articular cartilage and menisci. Fujikawa K, et al.
Ann Rheum Dis 1981 Aug;40(4):344–9
[Sonographic demonstration of the meniscus (author's transl)] Dragonat P, et al. **ROEFO** 1980 Aug;133(2):185–7 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

The mechanical function of the meniscus, experiments on cadaveric pig knee-joints. Jaspers P, et al.
Acta Orthop Belg 1980;46(6):663–8

RADIOGRAPHY

Double contrast arthrography of the knee. Baird M.
Radiography 1980 Sep;46(549):206–8
[Value of arthrography of the knee in the diagnosis meniscal lesions] Nielsen NS, et al. **Ugeskr Laeger** 1980 Oct 13; 142(42):2759–60 (Eng. Abstr.) **(Dan)**
[Computer tomographic diagnosis of menisceal ganglion] Reiser M, et al. **ROEFO** 1980 Dec;133(6):671–2 **(Ger)**
[The clinical importance of arthrography after lesions of the meniscus and capsular ligament (author's transl)] Karpf PM, et al. **Z Orthop** 1980;118(1):73–84 (Eng. Abstr.) **(Ger)**
[Double contrast knee arthrography in meniscal lesions (author's transl)] Rinaldi E, et al.
Ateneo Parmense [Acta Biomed] 1980;51(5):395–9 (Eng. Abstr.) **(Ita)**
[Calcification of menisci of the knee joint] Zwierzchowska D, et al. **Chir Narzadow Ruchu Ortop Pol** 1980;45(3):269–71 (Eng. Abstr.) **(Pol)**

SURGERY

Results after meniscectomy in 147 athletes. Sonne-Holm S, et al. **Acta Orthop Scand** 1980 Apr;51(2):303–9
Medical meniscus repairs. An experimental and morphologic study. Cabaud HE, et al. **Am J Sports Med** 1981 May–Jun; 9(3):129–34
The 'blind side' of the medial meniscus. Goldner RD, et al.
Am J Sports Med 1980 Sep–Oct;8(5):337–41
Intraarticular substitution for anterior cruciate insufficiency. A clinical comparison between patellar tendon and meniscus. Ivey FM, et al. **Am J Sports Med** 1980 Nov–Dec; 8(6):405–10
Meniscus repair. Wirth CR. **Clin Orthop** 1981;(157):153–60
Operative arthroscopy. Gillquist J. **Endoscopy** 1980 Nov; 12(6):281–7
Meniscectomy in children: results in 59 knees. Zaman M, et al. **Injury** 1981 Mar;12(5):425–8
Late results following medial meniscectomy in an older population [letter] Casscells SW.
J Bone Joint Surg [Am] 1981 Jun;63A(5):856
Late results following medial meniscectomy in an older population. Lotke PA, et al. **J Bone Joint Surg [Am]** 1981 Jan;63A(1):115–9
The meniscus--can it be repaired? An experimental investigation in rabbits. Heatley FW.
J Bone Joint Surg [Br] 1980 Aug;62(3):397–402
Clinical electromyographic feedback following meniscectomy. A multiple regression experimental analysis. Krebs DE. **Phys Ther** 1981 Jul;61(7):1017–21
[Late results of meniscectomy] Bakkevold K.
Tidsskr Nor Laegeforen 1980 Sept 20;100(26):1553–5 (Eng. Abstr.) **(Nor)**
[Partial or total meniscectomy?] Widuchowski J, et al.
Chir Narzadow Ruchu Ortop Pol 1980;45(6):529–33 (Eng. Abstr.) **(Pol)**

ULTRASTRUCTURE

The surface of human menisci and its aging alterations during age. A combined scanning and transmission electron microscopic examination (SEM, TEM). Merkel KH.
Arch Orthop Trauma Surg 1980;97(3):185–91

SEMINAL VESICLES

Reduced post-thawing survival of sperm in bulls with mycoplasmal vesiculitis. Hall CE, et al. **Cornell Vet** 1981 Jan;71(1):111–2
Ureteral ectopia into cystic seminal vesicle with ipsilateral renal dysgenesis and monorchia. Das S, et al. **J Urol** 1980 Oct;124(4):574–5
[Seminal vesicle cyst with ipsilateral kidney agenesis] Pokorný C. **Rozhl Chir** 1980;59(12):847–8 (Eng. Abstr.) **(Cze)**

[Transvesical sonography of the seminal vesicles (author's transl)] Gerken M, et al. **Urologe [Ausg A]** 1980; 19(5):309–11 (Eng. Abstr.) **(Ger)**

[Carcinoma of the seminal vesicles] Scheinar J, et al. **Z Urol Nephrol** 1980 Jun;73(6):415–20 (Eng. Abstr.) **(Ger)**

[Spermatocystitis cavernosa] Bačić J. **Med Arh** 1980; 34(2):115–9 (Eng. Abstr.) **(Scr)**

ABNORMALITIES

Absence of both seminal vesicles associated with hypospermatogenesis. Okuyama A, et al. **Br J Urol** 1981 Apr;53(2):188

Free L-carnitine in human seminal plasma. Soufir JC, et al. **Int J Androl** 1981 Jun;4(3):388–97

[Ectopic ureter in the seminal vesicle associated with dilatation and ipsilateral renal displasia: clinical case and bibliographic review] Carballido Rodríguez JA, et al. **Actas Urol Esp** 1980 Sep–Oct;4(5):277–82 (Eng. Abstr.) **(Spa)**

ANALYSIS

In vitro translation of major abundant class poly(A+)-mRNA from rat seminal vesicle. Silverberg AB, et al. **Arch Androl** 1980 May;4(3):249–55

Thyrotropin-releasing hormone and a homologous peptide in the male rat reproductive system. Pekary AE, et al. **Biochem Biophys Res Commun** 1980 Aug 14;95(3):993–1000

Complete amino acid sequence of a major secretory protein from rat seminal vesicle. Pan YC, et al. **Int J Pept Protein Res** 1980 Aug;16(2):143–6

ANATOMY & HISTOLOGY

Antiandrogenic effect of cimetidine in mice. Broulik PD. **Endokrinologie** 1980;76(1):118–21

Seminal vesicles in the white rat (a contribution to anatomy of the rat). Gościcka D, et al. **Folia Morphol (Warsz)** 1980; 39(2):181–9

CYTOLOGY

Cyclic AMP surges during the dihydrotestosterone-induced growth-division cycle of rat seminal vesicle cells. Tsang BK, et al. **J Cell Physiol** 1980 Dec;105(3):513–7

Differential effects of estramustine phosphate upon cell proliferation in mouse accessory sex glands. Alison MR, et al. **J Endocrinol** 1980 Nov;87(2):203–12

DRUG EFFECTS

Effects of prolonged treatment with cyproterone acetate on hydrolytic enzymes in seminal vesicles of the mouse. Milone M, et al. **Andrologia** 1980 Nov–Dec;12(6):510–2

Effects of bromocriptine and perphenazine on male accessory sex glands. I. The seminal vesicles. Krall A, et al. **Arch Androl** 1981 Jun;6(4):295–300

Influence of castration upon the seminal vesicle response to parasympathomimetic drugs. Porto CS, et al. **Arch Int Pharmacodyn Ther** 1981 Apr;250(2):204–11

Effects of prostacyclin on rat seminal vesicle contractility in vitro. Powers RE, et al. **Endocr Res Commun** 1981; 8(1):45–8

Comparative effects and mechanisms of castration, estrogen anti-androgen, and anti-estrogen-induced regression of accessory sex organ epithelium and muscle. Neubauer B, et al. **Invest Urol** 1981 Jan;18(4):229–34

Additive inhibitory effects of treatment with an LHRH agonist and an antiandrogen on androgen-dependent tissues in the rat. Séguin C, et al. **Mol Cell Endocrinol** 1981 Jan; 21(1):37–41

Can androgens alone fully restore seminal vesicle epithelium? Atassi H, et al. **Proc Soc Exp Biol Med** 1981 May; 167(1):94–7

[Ultrastructure of seminal vesicle epithelium of guinea pigs treated with cyproterone acetate] Bondi C, et al. **Arch Ital Anat Embriol** 1980;85(1):29–37 (Eng. Abstr.) **(Ita)**

ENZYMOLOGY

Histochemistry of some steroid-dehydrogenases in epithelia of human seminal vesicle, deferential ampulla, and prostate gland. Sirigu P, et al. **Arch Androl** 1981 Aug;7(1):9–13

Metabolism of paracetamol to a glutathione conjugate catalyzed by prostaglandin synthetase. Moldèus P, et al. **Biochem Biophys Res Commun** 1980 Sep 16;96(1):469–75

Comparison of the inhibition by human serum, haptoglobin and albumin of biosynthesis of various prostaglandins. Denning-Kendall PA, et al. **Biochem Soc Trans** 1981 Feb; 9(1):93–4

Hydroperoxyeicosatetraenoic acid: an activator of prostaglandin synthase activity. Narayanan R, et al. **Biochem Soc Trans** 1980 Aug;8(4):449–50

Inhibitors and stimulants of prostaglandin cyclo-oxygenase in stomach extracts. Saeed SA, et al. **Biochem Soc Trans** 1981 Feb;9(1):92–3

Acetylation of prostaglandin endoperoxide synthetase with acetylsalicylic acid. Van Der Ouderaa FJ, et al. **Eur J Biochem** 1980 Aug;109(1):1–8

Evidence for androgen-dependent phosphodiesterase activity in rat seminal vesicle and epididymis. Djøseland O, et al. **Int J Androl** 1980 Aug;3(4):363–6

Influence of thyroidectomy on glycolytic enzymes in seminal vesicles and ventral prostate. Kumari GV, et al. **Int J Androl** 1980 Feb;3(1):66–71

Oxidation reactions by prostaglandin cyclooxygenase-hydroperoxidase. Egan RW, et al. **J Biol Chem** 1981 Jul 25;256(14):7352–61

GROWTH & DEVELOPMENT

Development of seminal vesicles and coagulating glands in neonatal mice. I. The morphogenetic effects of various hormonal conditions. Lung B, et al. **Anat Rec** 1981 Jan; 199(1):73–88

Actions of androgen and estrogen on guinea pig seminal vesicle epithelium and muscle. Neubauer B, et al. **Endocrinology** 1981 Feb;108(2):680–7

Observations on ascorbic acid content & cholesterol in male rat reproductive tissues. Mukkadan JK. **Indian J Exp Biol** 1980 Oct;18(10):1186–8

Developmental regulation of secretory protein synthesis in rat seminal vesicle. Kistler MK, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):737–41

[Effects of social deprivation from birth or weaning on the development of the genital tract, on plasma testosterone, and on fertility in the male mouse] Jean-Faucher C, et al. **Arch Int Physiol Biochim** 1980 May;88(2):127–35 (Eng. Abstr.) **(Fre)**

METABOLISM

Sorbitol in the accessory glands of the diabetic male rat. Paz GF, et al. **Acta Diabetol Lat** 1980 Jul–Dec;17(3–4):229–35

Vitamin E and methylene blue in the prevention of abnormal pigmentation in the seminal vesicles of the castrated golden hamster. Granados H. **Arch Invest Med (Mex)** 1980; 11(3):361–75 **(Eng, Spa)**

Isolation of recombinant plasmids containing structural gene sequences for rat seminal vesicle secretory proteins IV and V. Kistler MK, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1161–6

Hydroperoxide-dependent oxygenation of trans-7,8-dihydroxy-7,8-dihydro benzo[a]pyrene by ram seminal vesicle microsomes. Source of the oxygen. Marnett LJ, et al. **Biochem Biophys Res Commun** 1980 Sep 30; 96(2):639–47

Actions of androgen and estrogen on collagen levels in male accessory sex organs. Mariotti A, et al. **Endocrinology** 1981 Sep;109(3):837–43

Effects of scavengers of superoxide radicals, hydrogen peroxide, singlet oxygen and hydroxyl radicals on malondialdehyde generation from arachidonic acid by bovine seminal vesicle microsomes. de Vries J, et al. **Experientia** 1980 Dec 15;36(12):1339–40

Testosterone & accessory sex gland lipids. Umapathy E, et al. **Indian J Exp Biol** 1980 Oct;18(10):1211–3

Control of reabsorption of water and electrolytes by guinea-pig seminal vesicle in vivo. Levine N, et al. **J Reprod Fertil** 1980 Mar;58(2):421–7

Studies on the androgen receptor of the rat seminal vesicle: comparison of the binding characteristics of dihydrotestosterone and testosterone. Zakár T, et al. **J Steroid Biochem** 1980 Jul;13(7):743–50

Use of a cloned double stranded cDNA coding for a major androgen dependent protein in rat seminal vesicle secretion: the effect of testosterone in gene expression. Mansson PE, et al. **Nucleic Acids Res** 1981 Feb 25;9(4):935–46

Hydroxyl radical involvement in the luminol chemiluminescence from the reaction of arachidonic acid with sheep vesicular gland microsomes. O'Brien PJ, et al. **Prostaglandins** 1980 May;19(5):683–91

Morphological studies of the pigment present in the seminal vesicles of orchidectomized hamsters, and the preventive action of vitamin E and methylene blue. Granados H, et al. **ZFA (Dresden)** 1981;36(1):49–55

PHYSIOLOGY

Effects of prolactin on DNA synthesis and growth of the accessory sex organs in male mice. Keenan EJ, et al. **Endocrinology** 1981 Jul;109(1):170–5

Histological & histochemical studies on the gonadotrophin treated vesicular glands of prepuberal rams. Singh Y, et al. **Indian J Exp Biol** 1980 Jul;18(7):719–22

The effect of the removal of the various accessory sex glands on the fertility of male rats. Queen K, et al. **J Reprod Fertil** 1981 Jul;62(2):423–6

Sperm storage in monkeys and man [letter] Mumford SD, et al. **Urology** 1980 Dec;16(6):662

RADIOGRAPHY

Vaso-vesiculography: assessment in andrology and urology. Fourcade R, et al. **Arch Androl** 1981 May;6(3):273–80

Vasoseminal vesiculography before and after ejaculation. Ichijo S, et al. **Urol Int** 1981;36(1):35–45

Seminal vesicle cyst associated with ipsilateral renal agenesis: a case report. Lantz EJ, et al. **Urol Radiol** 1980–81; 2(4):265–6

[The surgical exploration of the spermatic cord and testis with deferento-vesiculography (DVG) in the study of azoospermias (author's transl)] Cicchi P, et al. **Chir Ital** 1980 Oct;32(5):1097–110 (Eng. Abstr.) **(Ita)**

[Bilateral cyst of the seminal vesicles] Calvo Mateo MA, et al. **Actas Urol Esp** 1980 Sep–Oct;4(5):283–6 (Eng. Abstr.) **(Spa)**

RADIONUCLIDE IMAGING

[Thorotrast cancer following vesiculography in chronic prostatitis] Weidner W, et al. **Z Urol Nephrol** 1981 Feb; 74(2):95–100 (Eng. Abstr.) **(Ger)**

SECRETION

Immunological properties of seminal vesicle fluid. Veselský L. **Arch Androl** 1981 Aug;7(1):1–7

Synthesis of androgen-dependent secretory proteins by rat seminal vesicles. Higgins SJ, et al. **Mol Cell Endocrinol** 1981 Mar;21(3):255–62

SURGERY

Transurethral drainage of the seminal tract for obstruction, infection and infertility. Weintraub CM. **Br J Urol** 1980 Jun;52(3):220–5

[Clinical experience of retropubic prostatovesiculectomy for benign prostatic hypertrophy (author's transl)] Takasugi Y. **Nippon Hinyokika Gakkai Zasshi** 1980 Jul;71(7):717–31 (Eng. Abstr.) **(Jpn)**

ULTRASTRUCTURE

Structural study of the involution of the seminal vesicles of the guinea pig following orchiectomy. Tse MK, et al. **Acta Anat (Basel)** 1980;108(1):68–78

Scanning electron microscopy (SEM) of human male genital tract. Orlandini GE, et al. **Folia Morphol (Praha)** 1980; 28(3):224–6

Ultrastructural and biochemical studies of guinea pig seminal vesicle during postnatal development and after castration. Barham SS, et al. **Invest Urol** 1980 Jul;18(1):13–20

Electron microscopic observations on the epithelium of ram seminal vesicles. Plöen L. **J Anat** 1980 May;130(3):507–12

Noradrenaline content correlated to matrix density in small noradrenergic vesicles from rat seminal ducts. Fried G, et al. **Neuroscience** 1981;6(4):787–800

Ultrastructure of the epithelium of the seminal vesicles after the application of the preparation stimulating the secretory function of the prostate gland. Latalski M, et al. **Z Mikrosk Anat Forsch** 1980;94(5):952–8

[Scanning electron microscopy of human seminal vesicles] Orlandini GE, et al. **Arch Ital Anat Embriol** 1980; 85(2):163–78 (Eng. Abstr.) **(Ita)**

SEMINIFEROUS EPITHELIUM see under **TESTIS**

SEMINIFEROUS TUBULES see under **TESTIS**

SEMINOMA see **DYSGERMINOMA**

SEMLIKI FOREST VIRUS

Demyelination in mice resulting from infection with a mutant of Semliki Forest virus. Sheahan BJ, et al. **Acta Neuropathol (Berl)** 1981;53(2):129–36

Primary structures of the core proteins of the alphaviruses Semliki Forest virus and Sindbis virus. Boege U, et al. **Virology** 1981 Aug;113(1):293–303

Radio-sequence analysis of in vivo multilabeled nonstructural protein ns86 of Semliki Forest, virus. Kalkkinen N, et al. **Virology** 1981 Aug;113(1):188–95

ANALYSIS

Analysis of Semliki-Forest-virus structural proteins to illustrate polyprotein processing of alpha viruses. Kalkkinen N, et al. **Eur J Biochem** 1980;108(1):31–7

Polyprotein processing of alphaviruses: N-terminal structural analysis of Semliki Forest virus proteins p62, E3 and ns70. Kalkkinen N, et al. **FEBS Lett** 1981 Apr 6;126(1):33–7

Amino-terminal sequence analysis of alphavirus polypeptides. Welch WJ, et al. **J Virol** 1981 Jun; 38(3):968–72

The capsid protein of Semliki Forest virus has clusters of basic amino acids and prolines in its amino-terminal region. Garoff H, et al. **Proc Natl Acad Sci USA** 1980 Nov; 77(11):6376–80

Comparative studies of the 3'-terminal sequences of several alpha virus RNAs. Ou JH, et al. **Virology** 1981 Mar; 109(2):281–9

DRUG EFFECTS

Inhibition of Semliki Forest and herpes simplex virus production in alpha-difluoromethylornithine-treated cells: reversal by polyamines. Tuomi K, et al. **FEBS Lett** 1980 Dec 1;121(2):292–4

GENETICS

Evidence for a separate signal sequence for the carboxy-terminal envelope glycoprotein E1 of Semliki forest virus. Hashimoto K, et al. **J Virol** 1981 Apr; 38(1):34–40

Nucleotide sequence of cdna coding for Semliki Forest virus membrane glycoproteins. Garoff H, et al. **Nature** 1980 Nov 20;288(5788):236–41

5'-Terminal nucleotide sequence of Semliki forest virus 18S defective interfering RNA is heterogeneous and different from the genomic 42S RNA. Pettersson RF. **Proc Natl Acad Sci USA** 1981 Jan;78(1):115–9

UCSD gene splicing incident ends unresolved [news] Wade

N. **Science** 1980 Sep 26;209(4464):1494–5

GROWTH & DEVELOPMENT

Antibiotics that specifically block translation in virus-infected cells. Lacal JC, et al. **J Antibiot (Tokyo)** 1980 Apr;33(4):441–6

Semliki Forest virus multiplication in clones of Aedes albopictus cells. Tooker P, et al. **J Virol** 1981 Feb; 37(2):589–600

Defective interfering particles of Sindbis virus do not interfere with the homologous virus obtained from persistently infected BHK cells but do interfere with Semliki Forest virus. Weiss B, et al. **J Virol** 1981 Feb; 37(2):840–4

IMMUNOLOGY

Dimethyl dioctadecyl ammoniumbromide as an adjuvant for delayed type hypersensitivity and cellular immunity against Semliki Forest virus in mice. Kraaijeveld CA, et al. **Arch Virol** 1980;65(3–4):211–7

Principles for production of effective defined subunit vaccines. Deduction from a model experiment. Morein B, et al. **Comp Immunol Microbiol Infect Dis** 1980;3(1–2):201–6

Humoral and cell-mediated immune mechanisms in the production of pathology in avirulent Semliki Forest virus encephalitis. Berger ML. **Infect Immun** 1980 Oct; 30(1):244–53

Semliki forest virus: key to the MHC? [letter] Matzinger P. **Nature** 1979 Jan 4;277(5691):14–5

[Passive hemagglutination test for Semliki-Forest Virus (author's transl)] Hübschle OJ, et al. **Zentralbl Bakteriol** [A] 1980 Mar;246(2):141–50 (Eng. Abstr.) **(Ger)**

METABOLISM

Phospholipid asymmetry in Semliki Forest virus grown on baby hamster kidney (BHK–21) cells. van Meer G, et al. **Biochemistry** 1981 Mar 31;20(7):1974–81

Semliki Forest virus does not inhibit phosphatidylcholine biosynthesis in BHK–21 cells. Whitehead FW, et al. **Can J Biochem** 1981 Jan;59(1):38–47

Synthesis and processing of Semliki Forest virus-specific nonstructural proteins in vivo and in vitro. Lehtovaara P, et al. **Eur J Biochem** 1980 Dec;112(3):461–8

Semliki Forest virus replication complex capable of synthesizing 42S and 26S nascent RNA chains. Gomatos PJ, et al. **J Gen Virol** 1980 Jul;49(1):61–9

Formation of the Semliki Forest virus membrane glycoprotein complexes in the infected cell. Ziemiecki A, et al. **J Gen Virol** 1980 Sep;50(1):111–23

pH-dependent fusion between the Semliki Forest virus membrane and liposomes. White J, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3273–7

Multiple structurally related defective-interfering RNAs formed during undiluted passages of Semliki forest virus. Kääriäinen L, et al. **Virology** 1981 Sep;113(2):686–97

Reversible defect in the glycosylation of the membrane proteins of Semliki Forest virus ts–1 mutant. Pesonen M, et al. **Virology** 1981 Feb;109(1):165–73

PATHOGENICITY

The effect of mouse strain on the pathogenesis of the encephalitis and demyelination induced by avirulent Semliki Forest virus infections. Suckling AJ, et al. **Br J Exp Pathol** 1980 Jun;61(3):281–4

Isolation and preliminary characterization of Semliki Forest virus mutants with altered virulence. Barrett PN, et al. **J Gen Virol** 1980 Jul;49(1):141–7

Adsorptive endocytosis of Semliki Forest virus. Marsh M, et al. **J Mol Biol** 1980 Sep 25;142(3):439–54

PHYSIOLOGY

Fusion of Semliki forest virus with the plasma membrane can be induced by low pH. White J, et al. **J Cell Biol** 1980 Oct;87(1):264–72

Cell fusion by Semliki Forest, influenza, and vesicular stomatitis viruses. White J, et al. **J Cell Biol** 1981 Jun; 89(3):674–9

Shutoff of neuroblastoma cell protein synthesis by Semliki Forest virus: loss of ability of crude initiation factors to recognize early Semliki Forest virus and host mRNA's. van Steeg H, et al. **J Virol** 1981 May;38(2):728–36

pH-dependent hemolysis by influenza, Semliki, Forest virus, and Sendai virus. Lenard J, et al. **Virology** 1981 Apr 30; 110(2):479–82

Fusion of Semliki Forest virus with red cell membranes. Väänänen P, et al. **Virology** 1981 Apr 30;110(2):366–74

ULTRASTRUCTURE

Asymmetric and symmetric membrane reconstitution by detergent elimination. Studies with Semliki-Forest-virus spike glycoprotein and penicillinase from the membrane of Bacillus licheniformis. Helenius A, et al. **Eur J Biochem** 1981 May;116(1):27–35

SEMUSTINE see under **NITROSOUREA COMPOUNDS**

SENDAI VIRUS see **PARA-INFLUENZA VIRUS TYPE 1**

SENECIO

Senecio lautus toxicity in cattle. Walker KH, et al. **Aust Vet J** 1981 Jan;57(1):1–7

Toxicity of Senecio jacobaea (tansy ragwort) in rats. Miranda CL, et al. **Toxicol Appl Pharmacol** 1980 Dec;56(3):432–42

ANALYSIS

Pyrrolizidine alkaloids of Senecio alpinus L. and their detection in feedingstuffs. Lüthy J, et al. **J Agric Food Chem** 1981 Mar–Apr;29(2):302–5

[Studies on the chemical constituents of Senecio scandens Buch,–Ham (author's transl)] Wang XF, et al. **Yao Hsueh Hsueh Pao** 1980;15(8):503–5 (Eng. Abstr.) **(Chi)**

SENECIO ALKALOIDS see **PYRROLIZIDINE ALKALOIDS**

SENESCENCE see **AGING**

SENNA

Purgative abuse associated with reversible cachexia, hypogammaglobulinaemia, and finger clubbing. Levine D, et al. **Lancet** 1981 Apr 25;1(8226):919–20

ADVERSE EFFECTS

Hypertrophic osteoarthropathy and purgative abuse. Armstrong RD, et al. **Br Med J [Clin Res]** 1981 Jun 6; 282(6279):1836

Finger clubbing and aspartylglucosamine excretion in a laxative-abusing patient. Malmquist J, et al. **Postgrad Med J** 1980 Dec;56(662):862–4

ANALYSIS

Spectrophotometric estimation of sennosides and rhein glycosides in senna and its preparations. Habib AA, et al. **J Nat Prod** 1980 Jul–Aug;43(4):452–8

High-pressure liquid chromatographic analysis of sennosides A and B purgative drugs. Komolafe OO. **J Pharm Sci** 1981 Jul;70(7):727–30

SENSATION

see related
PERCEPTION

Sensory cross-forearm neurocutaneous flap Paneva-Holevich E. **Acta Chir Plast (Prague)** 1980; 22(2):86–92

Stimulation of conus-epiconus with pisces. Further indications. Nittner K. **Acta Neurochir [Suppl] (Wien)** 1980; (30):311–6

Sensorimotor polyneuropathy in light chain multiple myeloma. Pellegrini G, et al. **Acta Neuropathol [Suppl] (Berl)** 1981;7:255–7

Sensory overload. Lindenmuth JE, et al. **Am J Nurs** 1980 Aug;80(8):1456–8

Incidence of sensory integrative dysfunction among children with orofacial cleft. Chapparo CH, et al. **Am J Occup Ther** 1981 Feb;35(2):96–100

Sensory experiences during treatment of phobias by in vivo exposure. Curtis GC. **Am J Psychiatry** 1981 Aug; 138(8):1095–7

A note on soft and hard qualities. Eigen M. **Am J Psychoanal** 1980 Fall;40(3):267–71

Magnitude scaling of externally added loads to breathing. Killian KJ, et al. **Am Rev Respir Dis** 1981 Jan;123(1):12–5

The consequences of not applying sensory decision theory [letter] Clark WC, et al. **Anesthesiology** 1980 Sep; 53(3):265–6

Acute autonomic and sensory neuropathy. Colan RV, et al. **Ann Neurol** 1980 Oct;8(4):441–4

Haber's syndrome. Report of a new family. Kikuchi I, et al. **Arch Dermatol** 1981 Jun;117(6):321–4

Sensory experiences of Gilles de la Tourette syndrome. Bliss J. **Arch Gen Psychiatry** 1980 Dec;37(12):1343–7

Sensory latencies to the ring finger: normal values and relation to carpal tunnel syndrome. Johnson EW, et al. **Arch Phys Med Rehabil** 1981 May;62(5):206–8

Phantom breast sensations [letter] Moore GE, et al. **Arch Surg** 1981 Apr;116(4):482–3

Cerebellar ataxia and sensory neuropathy associated with dermatitis herpetiformis. Daneshmend TK, et al. **Br J Dermatol** 1981 May;104(5):593–5

Electrotactile stimulation relevant to sensory-motor rehabilitation: a progress report. Solomonow M, et al. **Bull Prosthet Res** 1980 Spring;10–33:63–72

A simple test for topographical diagnosis of sensory nervous system lesions. Jancsó G, et al. **Eur Neurol** 1981;20(2):84–7

Intracranial self-stimulation, cortical arousal, and the sensorimotor neglect syndrome. Wright JJ, et al. **Exp Neurol** 1979 Jul;65(1):42–52

The orientation of the golden hamster to its nest-site after the elimination of various sensory cues. Etienne AS. **Experientia** 1980 Sep 15;36(9):1048–50

Free neurovascular flap from the first web space of the foot for reconstruction of the mutilated hand. Doi K, et al. **Hand** 1980 Jun;12(2):130–6

Long term follow up of neurovascular island flaps. Henderson HP, et al. **Hand** 1980 Jun;12(2):113–22

Sensation in cross-finger flaps. Nicolai JP, et al. **Hand** 1981 Feb;13(1):12–6

Effect of timing, flow, lung volume, and threshold pressures on resistive load detection. Killian KJ, et al. **J Appl Physiol** 1980 Dec;49(6):958–63

Effect of aging on respiratory sensations produced by elastic loads. Tack M, et al. **J Appl Physiol** 1981 Apr;50(4):844–50

Perception of changes in breathing in normal human subjects. Wolkove N, et al. **J Appl Physiol** 1981 Jan;50(1):78–83

Stress reduction in young dental patients through coping skills and sensory information. Siegel LJ, et al. **J Consult Clin Psychol** 1980 Dec;48(6):785–7

Sensory images among deaf adolescents. Johnson RA. **J Gen Psychol** 1981 Jul;105(First Half):167–8

Active versus passive control in sensory contingent bar pressing in rats. Winefield AH, et al. **J Gen Psychol** 1980 Jul;103(First Half):27–40

The value of noting the subject's sensations during bithermal caloric testing. Gibson WP, et al. **J Laryngol Otol** 1980 Aug;94(8):905–15

Social and sensory environment of low birth weight infants in a special care nursery. An anthropological investigation. Newman LF. **J Nerv Ment Dis** 1981 Jul;169(7):448–55

Autosomal recessive forms of hereditary motor and sensory neuropathy. Harding AE, et al. **J Neurol Neurosurg Psychiatry** 1980 Aug;43(8):669–78

Implications for sensory motor therapy with emotionally disturbed children. Pothier PC. **J Psychiatr Nurs** 1980 Sep; 18(9):20–3

Lhermitte's sign in cobalamin (vitamin B12) deficiency. Butler WM, et al. **JAMA** 1981 Mar 13;245(10):1059

The small corks tests. A rapid sensory screening test. Caplan LR. **JAMA** 1981 Sep 18;246(12):1341–2

'I can no longer hear the silence of lamp posts' [letter] Shephard RH, et al. **Lancet** 1980 Sep 27;2(8196):706

Dissociated sensory loss and visual evoked potentials in a patient with pernicious anemia. Bodis-Wollner I, et al. **Mt Sinai J Med (NY)** 1980 Nov–Dec;47(6):579–82

Somatosensory-evoked potentials and slow oscillations in patients with cerebral lesions. Kusske JA, et al. **Neurol Res** 1980;2(1):47–67

Spinal somatosensory conduction in diabetes. Gupta PR, et al. **Neurology (NY)** 1981 Jul;31(7):841–5

Computerized tomography and pure sensory stroke. Rosenberg NL, et al. **Neurology (NY)** 1981 Feb; 31(2):217–20

Serum fatty acid patterns in hereditary motor and sensory neuropathies. Alling C, et al. **Neuropediatrics** 1981 Feb; 12(1):18–21

The deafferentation syndrome in monkeys: dysesthesias of spinal origin. Levitt M, et al. **Pain** 1981 Apr;10(2):129–47

Ascending cystic degeneration of the cord after spinal cord injury. Watson N. **Paraplegia** 1981;19(2):89–95

Sarcoidosis and chronic sensory neuropathy. Payne CR, et al. **Postgrad Med J** 1980 Nov;56(661):781–2

Immediate perceptual response to intersensory discrepancy. Welch RB, et al. **Psychol Bull** 1980 Nov;88(3):638–67 (83 ref.)

[Determination and statistical analysis of the normal human conjunctival and corneal sensitivity (pressure sense) (author's transl)] Bao YJ. **Chung Hua Yen Ko Tsa Chih** 1980;16(1):20–6 **(Chi)**

[Somatosensory evoked potential in the hypnotic state and in hypnotic analgesia (author's transl)] Vacek J, et al. **Sb Lek** 1981;83(1):32–40 (Eng. Abstr.) **(Cze)**

[Sensory reeducation of the hand after peripheral nerve lesions (author's transl)] Lustig D, et al. **Ann Chir** 1981; 35(4):295–300 (Eng. Abstr.) **(Fre)**

[Sensation disorders following saphenous vein excision] Aigner R, et al. **MMW** 1980 Sep 19;122(38):1305–7 **(Ger)**

[Electrophysiological studies as related to the sensory disturbances in diabetic neuropathy (author's transl)] Nagaki J, et al. **No To Shinkei** 1980 Aug;32(8):769–74 (Eng. Abstr.) **(Jpn)**

[Scapulo-ilio-peroneal dystrophy associated with sensory disturbances (author's transl)] Shimizu K, et al. **Rinsho Shinkeigaku** 1981 Feb;21(2):126–34 (Eng. Abstr.) **(Jpn)**

[A case of sensory polyradiculoneuritis--clinical and electron microscopic features (author's transl)] Tanaka M, et al. **Rinsho Shinkeigaku** 1980 May;20(5):323–5 (Eng. Abstr.) **(Jpn)**

[Physical treatment of posttraumatic insensitivity of the infraorbital nerve] Thun-Szretter K, et al. **Czas Stomatol** 1981 Feb;34(2):207–11 (Eng. Abstr.) **(Pol)**

[Sensory disorders arising during neuroleptic therapy] Rovinskaia SA, et al. **Zh Nevropatol Psikhiatr** 1980; 80(6):905–9 (Eng. Abstr.) **(Rus)**

[Clinico-pathophysiologic characteristics of functional disorders of general sensitivity (review of the literature)] Shogam II. **Zh Nevropatol Psikhiatr** 1980;80(12):1865–72 (124 ref.) **(Rus)**

DRUG EFFECTS

Sensory and associative effects of LSD (Oryctolagus cuniculus) nictitating membrane response. Gormezano I, et al. **J Comp Physiol Psychol** 1980 Aug;94(4):641–9

[Effect of diesel fuel on skin sensory functions] Gusein-zade KM. **Gig Tr Prof Zabol** 1980 Sep;(9):39–41 **(Rus)**

PHYSIOLOGY

Evoked responses by physiological sensory inputs in human central motor structures. Vajda J, et al. **Acta Neurochir [Suppl] (Wien)** 1980;(30):423–8

Hyper-responsivity to touch and vestibular stimuli as a predictor of positive response to sensory integration procedures by autistic children. Ayres AJ, et al. **AJOT** 1980 Jun;34(6):375–81

The role of urethral sensation in clinical urology. Powell PH, et al. **Br J Urol** 1980 Dec;52(6):539–41

Resistive load detection during passive ventilation. Killian KJ, et al. **Clin Sci** 1980 Dec;59(6):493–5

Strychnine effects on the sensory response patterns of reticular formation neurons. Faingold CL. **Electroencephalogr Clin Neurophysiol** 1980 Oct; 50(1–2):102–11

Normal sensory conduction in the distal segment of the median and radial nerve: relation to age. Vandendriessche G, et al. **Electromyogr Clin Neurophysiol** 1981 Jun–Aug; 21(5):511–9

Control of sensory transmission by electrical stimulation within the caudal raphe nuclei of the cat. Blum PS. **Exp Neurol** 1981 Jun;72(3):570–81

Modulation of sensory responsiveness of single somatosensory cortical cells during movement and arousal behaviors. Chapin JK, et al. **Exp Neurol** 1981 Apr; 72(1):164–78

Role of projection and nonprojection areas of the cortex in sensory analysis in children aged 3–10 years. Beteleva TG. **Hum Physiol** 1980 Sep–Oct;6(5):311–7

On vibration sense. Tsirul'nikov EM, et al. **Hum Physiol** 1980 May–Jun;6(3):211–4

Physiology of pain––some recent concepts. Albé-Fessard D. **Int Rehabil Med** 1979;1(3):100–5

Substantia gelatinosa and the control of somato-sensory transmission. Wall PD. **Int Rehabil Med** 1979;1(3):106–10

Recovery of corneal sensation following hard contact lens wear and the implication for adaptation. Tanelian DL, et al. **Invest Ophthalmol Vis Sci** 1980 Nov;19(11):1391–4

Effects of added inspiratory loads on load detection thresholds. Burki NK. **J Appl Physiol** 1981 Jan;50(1):162–4

Sensory control of dauer larva formation in Caenorhabditis elegans. Albert PS, et al. **J Comp Neurol** 1981 May 20; 198(3):435–51

An analysis of feeding and sensorimotor abilities of rats after decortication. Whishaw IQ, et al. **J Comp Physiol Psychol** 1981 Feb;95(1):85–103

Estimation of the brain and spinal cord conduction time in man by means of the somatosensory evoked potentials and F and H responses. Siivola J. **J Neurol Neurosurg Psychiatry** 1980 Dec;43(12):1103–11

Visual properties of neurons in a polysensory area in superior temporal sulcus of the macaque. Bruce C, et al. **J Neurophysiol** 1981 Aug;46(2):369–84

Processing of somatosensory information in striatum of behaving cats. Schneider JS, et al. **J Neurophysiol** 1981 May;45(5):841–51

Effect of sensory stimuli on the activity of dopaminergic neurons: involvement of non-dopaminergic nigral neurons and striato-nigral pathways. Hommer DW, et al. **Life Sci** 1980 Aug 4;27(5):377–86

Sensory cues for perceived exertion: a review. Mihevic PM. **Med Sci Sports Exerc** 1981;13(3):150–63 (65 ref.)

Localization of cellular changes within multimodal sensory regions in aged monkey brain: possible implications for age-related cognitive loss. Brizzee KR, et al. **Neurobiol Aging** 1980 Summer;1(1):45–52

Transcommissural afferent projections of lemniscal and spino-reticulo-thalamic systems. Lyubimov NN, et al. **Neurosci Behav Physiol** 1980 Sep–Oct;10(5):431–8

Gastric sensation: report of a case. Nathan PW. **Pain** 1981 Apr;10(2):259–62

Progressive sensory loss in familial dysautonomia. Axelrod FB, et al. **Pediatrics** 1981 Apr;67(4):517–22

A curious kind of distant referral from a slightly painful stimulus to the skin. Bean WB. **Perspect Biol Med** 1981 Spring;24(3):440–6

Prefrontal lesions and cutaneous responsiveness of cats: learned discrimination, delayed-response, orientation-localization, and transfer. Glassman RB, et al. **Physiol Behav** 1981 Jan;26(1):107–16

Midbrain reticular formation damage and the ontogeny of ingestive and sensorimotor behaviors. Hill DL, et al. **Physiol Behav** 1981 Feb;26(2):269–75

Sensory and associative effects of LSD on classical appetitive conditioning of the rabbit jaw movement response. Gormezano I, et al. **Psychopharmacology (Berlin)** 1980; 70(2):137–43

Slow cortical potentials in subjects with high or low scores on questionnaire measuring physical anhedonia and body image distortion. Lutzenberger W, et al. **Psychophysiology** 1981 Jul;18(4):371–80

The quantification of respiratory sensations by normal subjects. Stubbing DG, et al. **Respir Physiol** 1981 May; 44(2):251–60

Sensorial aspects of helicopter operations. Rotondo G. **Riv Med Aeronaut Spaz** 1978 Jul–Dec;41(3–4):439–51

Somatic sensation and discomfort in the arm of post-mastectomy patients. Swedborg I, et al. **Scand J Rehabil Med** 1981;13(1):23–9

Metabolic mapping of functional activity in human subjects with the [18F]fluorodeoxyglucose technique. Greenberg JH, et al. **Science** 1981 May 8;212(4495):678–80

Cognitive interaction after staged callosal section: evidence for transfer of semantic activation. Sidtis JJ, et al. **Science** 1981 Apr 17;212(4492):344–6

Quantifying sensory channels: generalizing colorimetry to orientation and texture, touch, and tones. Richards W. **Sens Processes** 1979 Sep;3(3):207–29

A curious double reference of mild pain produced by scratching the skin: with a note on the gentle art of snoring. Bean WB. **Trans Am Clin Climatol Assoc** 1979;91:147–57

Mechanisms of neurologic pain and measurements of sensibility. Lindblom U. **Verh Dtsch Ges Inn Med** 1980; 86:1545–8

[Enucleation of plexiform ganglion, a selective method for demonstration of sensitive pneumogastric sites] Hernández CJ. **Gegenbaurs Morphol Jahrb** 1981;127(1):28–33 **(Fre)**

[The possibilities of detecting age-related changes in the human sense organs] David E. **Z Gerontol** 1980 Mar–Apr; 13(2):86–94 **(Ger)**

[Problems of interpersonal communication in the latter part of life as seen from sensory physiology] Keidel WD. **Z Gerontol** 1980 Mar–Apr;13(2):95–112 (Eng. Abstr.) **(Ger)**

[Psychochysical strain in teachers under sensorimotor loading in the laboratory and during work performance and its relationship to professional fitness] Scheuch K, et al. **Z Gesamte Hyg** 1980;26(5):318–21 (Eng. Abstr.) **(Ger)**

[CNV and SEP in shoe-industry workers affected by neuropathy due to toxic effects of adhesive solvents (author's transl)] Zappoli R, et al. **Riv Patol Nerv Ment** 1979 Jul–Aug;100(4):189–200 (Eng. Abstr.) **(Ita)**

[Sensation and reflex evoked by electric stimulation of the dental pulp] Sumino R. **Kokubyo Gakkai Zasshi** 1980 Jun; 47(2):347 **(Jpn)**

[Effects of visceral sensation on the dorsal horn unit activity in cat's spinal cord. (1) Effects of changes of intravesical pressure of urinary bladder on the unit activity and modification of the activity with thiamylal sodium under the influence of intravesical pressure (author's transl)] Sato I, et al. **Masui** 1980 Jul;29(7):623–9 (Eng. Abstr.) **(Jpn)**

[Significance of Lenin's theory of the dialectical interrelationship of objective and subjective sensations in diagnosis] Smolenskiĭ VS, et al. **Klin Med (Mosk)** 1980 Sep; 58(9):3–6 **(Rus)**

[Effect of local cortical exclusion on evoked potentials in the reticular formation occurring in response to somatosensory stimulation] Zhuravin IA, et al. **Neirofiziologiia** 1981;13(1):32–8 (Eng. Abstr.) **(Rus)**

[Paroxysmal changes in the electrochemical activity of the cerebral cortex on platinum electrodes] Shvets-Teneta-Gurii TB. **Zh Vyssh Nerv Deiat** 1980 Sep–Oct;30(5):1021–9 (Eng. Abstr.) **(Rus)**

SENSE ORGANS

see related
RECEPTORS, SENSORY

ANATOMY & HISTOLOGY

Phylogeny and its clinical significance. Maniglia AJ, et al. **Otolaryngol Clin North Am** 1981 Feb;14(1):39–46

GROWTH & DEVELOPMENT

Sensory development of Felis catus. Beaver BV. **Lab Anim** 1980 Jul;14(3):199–201

INNERVATION

Inputs to the torus semicircularis in the electric fish Eigenmannia virescens. A horseradish-peroxidase study. Scheich H, et al. **Cell Tissue Res** 1981;215(3):531–6

The projection of sensory neurons in the central nervous system of Drosophila: choice of the appropriate pathway. Ghysen A. **Dev Biol** 1980 Aug;78(2):521–41

Sensory projections from normal and homoeotically transformed antennae in Drosophila. Stocker RF, et al. **Dev Biol** 1981 Mar;82(2):224–37

[Mechanism of the mechanical sensitivity of the electroreceptors of ampullae of Lorenzini] Broun GR, et al. **Neirofiziologiia** 1980;12(6):656–9 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Lateral extrusions of viscous substance in the labellar and tarsal chemosensilla of Phormia Regina (Meig.). Angioy AM, et al. **Boll Soc Ital Biol Sper** 1980 Sep 30;56(18):1851–6

Acid mucopolysaccharide substances in viscous extrusions from wing hairs of Phormia regina (Meig.). Pietra P, et al. **Boll Soc Ital Biol Sper** 1980 Sep 30;56(18):1857–60

Functional importance of the taste papillae of Phormia regina M. Pietra P, et al. **Boll Soc Ital Biol Sper** 1980 Sep 30; 56(18):1844–50

Interommatidial sensilla of the praying mantis: their central neural projections and role in head-cleaning behavior. Zack S, et al. **J Neurobiol** 1981 Jan;12(1):55–65

[The possibilities of detecting age-related changes in the human sense organs] David E. **Z Gerontol** 1980 Mar–Apr; 13(2):86–94 **(Ger)**

[Neuronal response of the primary somatosensory cortex to paired stimulation of the infraorbital nerve and vibrissae of cats] Fomovskiĭ BI. **Neirofiziologiia** 1981;13(2):117–24 (Eng. Abstr.) **(Rus)**

SECRETION

Cupular secretion by Xenopus laevis line organs: autoradiographic evidence for incorporation of 3H-glucose and 35S-sulfate. Cornford ME, et al. **Am J Anat** 1980 Jun; 158(2):115–33

ULTRASTRUCTURE

Cephalic sense organs and body pores of Xiphinema americanum (Nematoda: Dorylaimoidea). Wright KA, et al. **Can J Zool** 1980 Aug;58(8):1439–51

Ultrastructure of the lateral-line sense organs of the ratfish, Chimaera monstrosa. Ekström von Lubitz DK. **Cell Tissue Res** 1981;215(3):651–65

Dugesia lugubris s.l. auricles: research into the ultrastructure and on the functional efficiency. Farnesi RM, et al. **Riv Biol** 1980 Spring;73(1):65–77 **(Eng, Ita)**

[Ultrastructure of the antennal sensillae of the bug, Rhodnius prolixus (Hemiptera, Reduviidae)] Chaĭka SIu. **Parazitologiia** 1980 Nov–Dec;14(6):486–92 (Eng. Abstr.) **(Rus)**

[Ultrastructural studies of Haller's organ in the argasid ticks, Ornithodoros moubata and Alvenonasus lahorensis (Argasidae)] Leonovich SA. **Parazitologiia** 1980 Sep–Oct; 14(5):376–85 (Eng. Abstr.) **(Rus)**

SENSITIVITY TRAINING GROUPS

Empathy levels of occupational therapy students. Wise BL, et al. **Am J Occup Ther** 1980 Oct;34(10):676–9

Hospitals offer help in coping with stress––empathy classes. **Hospitals** 1981 Feb 1;55(3):35–6

Long term therapeutic effects of a three month intensive growth group. Sulzbacher S, et al. **J Clin Psychiatry** 1981 Apr;42(4):148–53

Personality and experience in an encounter-group. Torgersen S. **Scand J Psychol** 1980;21(2):139–41

[Multi-family encounter group in a residence for chronic patients] Benoit JC, et al. **Ann Med Psychol (Paris)** 1980 Dec;138(10):1253–60 **(Fre)**

[Conversation contents in person centered conversation groups and their relationship with process variables in non-clients] Bergeest HG, et al. **Z Klin Psychol Psychother** 1980;28(3):259–66 (Eng. Abstr.) **(Ger)**

[Group dynamics training – a hazard for psychologically unstable persons] Jansson B, et al. **Lakartidningen** 1980 Oct 1;77(40):3482–4 (Eng. Abstr.) **(Swe)**

SENSITIZATION, IMMUNOLOGIC see IMMUNIZATION

SENSORY AIDS

Advances in sensory aids for the hearing-impaired: visual and vibrotactile aids. Pickett JM. **Ann Otol Rhinol Laryngol [Suppl]** 1980 Sep–Oct;89(5 Pt 2 Suppl 74):74–8

Electrotactile stimulation relevant to sensory-motor rehabilitation: a progress report. Solomonow M, et al. **Bull Prosthet Res** 1980 Spring;10–33:63–72

Evaluation and research program for the Portable Braille Recorder (digicassette). Ashcroft SC, et al. **Int J Rehabil Res** 1980;3(1):89

A large print user study. Bell LJ. **Int J Rehabil Res** 1980; 3(2):250–2

Low vision correction in retinitis pigmentosa and associated diseases. Fonda G. **Int J Rehabil Res** 1980;3(1):39–43

Development of prototype equipment for innovative employment of blind and partially sighted persons. Phillips SH, et al. **J Med Syst** 1980;4(2):215–26

Use of musical scales to display distance to objects in an electronic travel aid for the blind. Heyes AD. **Percept Mot Skills** 1980 Dec;51(3 Pt 1):1015–20

Modified walker for blind patients. Honey D. **Phys Ther** 1981 Feb;61(2):227

[Optical and electronic aids. Indications and applications in the visually handicapped] Boissin JP, et al. **Bull Soc Ophtalmol Fr** 1980 Nov;Spec No:1–134 **(Fre)**

[A specialty in full flight, visual aids for the vision impaired] Ducrey N, et al. **Rev Med Suisse Romande** 1980 Jun; 100(6):521–3 **(Fre)**

STANDARDS

A multiple-channel cochlear implant: an evaluation using open-set CID sentences. Clark GM, et al. **Laryngoscope** 1981 Apr;91(4):628–34

Low vision aids: a part of the retinologist's responsibility. Stafford TJ, et al. **Ophthalmology (Rochester)** 1979 Sep; 86(9):1682–4

SUPPLY & DISTRIBUTION

The practicality of sensory aids. Bach-y-Rita P. **Int Rehabil Med** 1979;1(2):87–9

SENSORY DEPRIVATION

see related
MENTAL RETARDATION, PSYCHOSOCIAL

Loss of object discrimination after ablation of the superior colliculus-pretectum in binocularly deprived cats. Zablocka T, et al. **Behav Brain Res** 1980 Dec;1(6):521–31

An interactive effect of visual deprivation and pigmentation on the reactivity of mice to light. Ward R, et al. **Behav Genet** 1980 Jul;10(4):419–25

Deprivation of the Visual and Tactile aspects of food important to learning performance of an appetitive task by chicks. Reymond E, et al. **Behav Neural Biol** 1981 Apr; 31(4):425–34

Analysis of monocular optokinetic nystagmus in normal and visually deprived kittens. Malach R, et al. **Brain Res** 1981 Apr 6;210(1–2):367–72

The postnatal development of the presynaptic grid in the visual cortex of rabbits and the effect of dark-rearing. Müller L, et al. **Brain Res** 1981 Jan 26;205(1):39–48

Neonatal enucleation induces an asymmetric pattern of visual callosal connections in hamsters. Rhoades RW, et al. **Brain Res** 1980 Nov 24;202(1):189–95

Modification of parietal association cortex and functional blindness after binocular deprivation in young monkeys. Hyvärinen J, et al. **Exp Brain Res** 1981;42(1):1–8

Effects of environmental complexity and deprivation on brain chemistry and physiology: a review. Walsh RN. **Int J Neurosci** 1980;11(2):77–89 (90 ref.)

Effects of environmental complexity and deprivation on brain anatomy and histology: a review. Walsh RN. **Int J Neurosci** 1981;12(1):33–51 (111 ref.)

Morphological effects of monocular deprivation and recovery on the dorsal lateral geniculate nucleus in galago. Casagrande VA, et al. **J Comp Neurol** 1980 Nov 15; 194(2):413–26

Development alterations in binocular competitive interactions and visual acuity in visually deprived cats. Smith DC. **J Comp Neurol** 1981 Jun 1;198(4):667–76

Effect of controlled rearing on the development of stimulus-seeking behavior in rats. Tees RC, et al. **J Comp Physiol Psychol** 1980 Dec;94(6):1003–18

Observations on the lateral geniculate nucleus of the monkey (Macaca fasicularis) after eye removal: a light and electron microscopic study. II. Axonal and dendritic degeneration. Novotny GE. **J Hirnforsch** 1980;21(3):227–42

Observations on the lateral geniculate nucleus of the monkey (Macaca fascicularis) after eye removal: a light and electron microscopic study. III. Glial reactions. Novotny GE. **J Hirnforsch** 1980;21(5):543–60

Monocularly deprived humans: nondeprived eye has supernormal vernier acuity. Freeman RD, et al. **J Neurophysiol** 1980 Jun;43(6):1645–53

Effects of monocular deprivation on neurons in cat's lateral suprasylvian visual area. I. Comparison of binocular and monocular segments. Spear PD, et al. **J Neurophysiol** 1980 Sep;44(3):568–84

Effects of monocular deprivation on neurons in cat's lateral suprasylvian visual area. II. Role of visual cortex and thalamus in the abnormalities. Tong L, et al. **J Neurophysiol** 1980 Sep;44(3):585–604

Somatosensory affectional deprivation (SAD) theory of drug and alcohol use. Prescott JW. **Natl Inst Drug Abuse Res Monogr Ser** 1980 Mar;(30):286–96

Cortical effects of monocular deprivation: suppression or deafferentation? [news] Movshon JA. **Nature** 1981 May 28; 291(5813):284–5

The role of GABAergic inhibition in the cortical effects of monocular deprivation. Sillito AM, et al. **Nature** 1981 May 28;291(5813):318–20

An effect of photoperiod history on reproductive function and a circadian rhythm of blind male hamsters. Morin LP. **Physiol Behav** 1981 Jul;27(1):89–94

Effect of occlusion on the visual evoked response in amblyopia. Arden GB, et al. **Trans Ophthalmol Soc UK** 1979;99(3):419–26

Effect of uniocular occlusion on selected visual functions. Enoch JM, et al. **Trans Ophthalmol Soc UK** 1979; 99(3):407–12

Effects of brief uniocular 'patching' on kitten visual cortex. Freeman RD. **Trans Ophthalmol Soc UK** 1979;99(3):382–5

Myopia in the eye of developing chicks following monocular and binocular lid closure. Yinon U, et al. **Vision Res** 1980; 20(2):137–41

[Problem of sensory deprivation in leukemia patients in sterile isolation] Leoni P, et al. **Minerva Psichiatr** 1979 Jan–Mar; 20(1):69–72 **(Ita)**

[Nuclear and cytoplasmic RNA in visual cortex neurons of adult rats following visual deprivation and photic stimulation] Malinauskaite LD. **Biull Eksp Biol Med** 1980 Oct;90(10):492–4 (Eng. Abstr.) **(Rus)**

[Features of metabolism in subcellular fractions of the motor cortex during restoration of visual nerve impulses] Dovedova EL. **Fiziol Zh SSSR** 1980 Dec;66(12):1759–64 (Eng. Abstr.) **(Rus)**

[Acetylcholinesterase activity in visual cortex structures during early visual deprivation] Busniuk MM. **Zh Vyssh Nerv Deiat** 1980 Jul–Aug;30(4):824–8 (Eng. Abstr.) **(Rus)**

[Effect of olfactory deprivation on the feeding behavior of kittens] Lushchekin VS. **Zh Vyssh Nerv Deiat** 1981 Jan–Feb;31(1):173–5 **(Rus)**

PHYSIOLOGY

A quantitative and qualitative study of mice trigeminal ganglion and nerve after destruction of vibrissae follicles since birth. Farkas-Bargeton E, et al. **Acta Neuropathol [Suppl] (Berl)** 1981;7:64–6

Acuity, luminance, and monocular deprivation in the cat. Loop MS, et al. **Behav Brain Res** 1981 May;2(3):323–34

Role of intracortical inhibition in deprivation amblyopia: reversal by microiontophoretic bicuculline. Burchfiel JL, et al. **Brain Res** 1981 Feb 16;206(2):479–84

Demonstration of ocular dominance columns in a New World primate by means of monocular deprivation. DeBruyn EJ, et al. **Brain Res** 1981 Mar 2;207(2):453–8

Effect of peripheral deprivation on mammalian motoneurone development. McLennan IS, et al. **Brain Res** 1981 Jun; 227(3):440–3

The effects of dark-rearing on the development and plasticity of the lateral geniculate nucleus. Mower GD, et al. **Brain Res** 1981 Jun;227(3):418–24

Stroboscopic rearing reduces direction selectivity in rabbit visual cortex. Pearson HE, et al. **Brain Res** 1981 Jan; 227(1):127–31

Transneuronal retrograde degeneration in the cat retina following neonatal ablation of visual cortex. Pearson HE, et al. **Brain Res** 1981 May 18;212(2):470–5

A morphometric study of mouse trigeminal ganglion after unilateral destruction of vibrissae follicles at birth. Savy C, et al. **Brain Res** 1981 Aug 3;217(2):265–77

Oculomotor changes in cats reared without experiencing continuous retinal image motion. Conway JL, et al. **Exp Brain Res** 1981;43(2):229–32

Time-dependent decrease in the extent of visual deafferentation in the lateral geniculate nucleus of adult cats with small retinal lesions. Eysel UT, et al. **Exp Brain Res** 1981;41(3–4):256–63

Restriction of visual experience to a single orientation affects the organization of orientation columns in cat visual cortex. A study with deoxyglucose. Singer W, et al. **Exp Brain Res** 1981;41(3–4):199–215

Effects of early monocular deprivation on development of cortico-geniculate projections in the cat. Tsumoto T, et al. **Exp Brain Res** 1981;43(3–4):451–4

Somatotopic organization of the tactile thalamus in normal adult and developing mice and in adult mice dewhiskered since birth. Verley R, et al. **Exp Neurol** 1981 May; 72(2):462–74

Flicker: a 'decay' effect after light deprivation. Cornwell AC. **Invest Ophthalmol Vis Sci** 1981 Jun;20(6):809–12

The effects of total unilateral occlusion vs. lid suture on the visual system of infant monkeys. von Noorden GK, et al. **Invest Ophthalmol Vis Sci** 1981 Jul;21(1 Pt 1):142–6

Dendritic plasticity in mouse barrel cortex following postnatal vibrissa follicle damage. Harris RM, et al. **J Comp Neurol** 1981 Mar 1;196(3):357–76

Development of the dorsal lateral geniculate nucleus in normal and visually deprived Siamese cats. Robertson TW, et al. **J Comp Neurol** 1980 Jun 15;191(4):573–9

Age related changes in the sensitivity to vibration. Verrillo RT. **J Gerontol** 1980 Mar;35(2):185–93

Visual experience and development of interocular orientation disparity in visual cortex. Bruce CJ, et al. **J Neurophysiol** 1981 Aug;46(2):215–28

Properties of monocular and directional deprivation. Daw NW, et al. **J Neurophysiol** 1980 Aug;44(2):280–94

Cortical recovery from effects of monocular deprivation: acceleration with norepinephrine and suppression with 6-hydroxydopamine. Kasamatsu T, et al. **J Neurophysiol** 1981 Feb;45(2):254–66

Monocular activation of visual cortex in normal and monocularly deprived cats: an analysis of evoked potentials. Mitzdorf U, et al. **J Physiol (Lond)** 1980 Jul;304:203–20

Effects of monocular deprivation in the lateral geniculate nucleus of the cat: an analysis of evoked potentials. Mitzdorf U, et al. **J Physiol (Lond)** 1980 Jul;304:221–30

Alteration in directional sensitivity of the retina by monocular occlusion. Enoch JM, et al. **Vision Res** 1980; 20(12):1185–9

[Photo- and phonoreactivity of visual cortex neurons following light deprivation of rabbits during ontogeny] Barsova ON. **Zh Vyssh Nerv Deiat** 1980 May–Jun; 30(3):582–7 (Eng. Abstr.) **(Rus)**

SENSORY NEUROPATHY, HEREDITARY see **NEUROPATHY, HEREDITARY SENSORY**

SENSORY THRESHOLDS

Sensory receptor sensitivity in autistic children: response times to proximal and distal stimulation. Kootz JP, et al. **Arch Gen Psychiatry** 1981 Mar;38(3):271–3

A transducer function for threshold and suprathreshold human vision. Wilson HR. **Biol Cybern** 1980;38(3):171–8

Enhancement of tactile perception in palpation. Smith D, et al. **Circulation** 1980 Nov;62(5):1114–8

The visual sensitivity of women during the menstrual cycle. Barris MC, et al. **Doc Ophthalmol** 1980 Oct 15; 49(2):293–301

Variability of sensory threshold determination in clinical use. Fagius J, et al. **J Neurol Sci** 1981 Jul;51(1):11–27

Activity-dependent variations in threshold and conduction velocity of human sensory fibers. Stöhr M. **J Neurol Sci** 1981 Jan;49(1):47–54

Absolute threshold: analysis in terms of uncertainty. Cohn TE. **J Opt Soc Am** 1981 Jun;71(6):783–5

A property--activity approach to relating 'flavour' thresholds in one substrate to their value in a second substrate. Gardner RJ. **J Sci Food Agric** 1981 Feb; 32(2):146–52

Light touch thresholds in normal persons and cerebral vascular disease patient: bilateral deficit after unilateral lesion. Essing JP, et al. **Stroke** 1980 Sep–Oct;11(5):528–33

Transient sensitization by a contrast flash. Pulos E, et al. **Vision Res** 1980;20(4):281–8

Intensity discrimination capacity of retinal ganglion cells of a tree shrew (Tupaia chinensis). ter Laak HJ, et al. **Vision Res** 1980;20(2):149–57

[Hypersensitivity to pain in the obese] Pradalier A, et al. **Nouv Presse Med** 1980 Oct 11;9(37):2746 **(Fre)**

[Subliminal perception. 1. Its nature and the controversy engendered] Chaloult L, et al. **Union Med Can** 1980 Dec; 109(12):1694–700 (Eng. Abstr.) **(Fre)**

[Pain sensitivity in healthy teeth] Pöllman NL. **Dtsch Zahnaerztl Z** 1980 Jan;35(1):142–3 (Eng. Abstr.) **(Ger)**

[The effect of aging on the peripheral functions in farmers and chain saw operators part 1. age-related changes in pain and vibratory sense thresholds (author's transl)] Kasamatsu T, et al. **Sangyo Igaku** 1981 Mar;23(2):127–33 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Prolonged motor and sensory block after spinal anesthesia with mepivacaine 4% in hyperbaric solution. Meeuwis H, et al. **Acta Anaesthesiol Belg** 1980;31(1):69–70

Somatosensory deficits in monkeys treated with misonidazole. Maurissen JP, et al. **Toxicol Appl Pharmacol** 1981 Jan;57(1):119–26

PHYSIOLOGY

Sensorimotor discrimination during free jaw movements in man. Hannam AG, et al. **Arch Oral Biol** 1980;25(6):409–14

The lateral effect of oscillation of peripheral luminance gratings on the foveal increment threshold. Breitmeyer B, et al. **Vision Res** 1980;20(9):799–805

Visual thresholds in dichromats and normals; the importance of post-receptoral processes. Dain SJ, et al. **Vision Res** 1981;21(4):573–80

Increment threshold and detection latency in the rod and cone systems. Geisler WS. **Vision Res** 1980;20(11):981–94

Hyperacuity in the detection of absolute and differential displacements of random dot patterns. Hadani I, et al. **Vision Res** 1980;20(11):947–51

Foveal and peripheral displacement thresholds as a function of stimulus luminance, line length and duration of movement. Johnson CA, et al. **Vision Res** 1980;20(8):709–15

Displacement detection in human vision. Legge GE, et al. **Vision Res** 1981;21(2):205–13

Visual detection and resolution as a function of retinal locus. Lie I. **Vision Res** 1980;20(11):967–74

Test of the identity of the site of blue/yellow hue cancellation and the site of chromatic antagonism in the pi 1 pathway. Pugh EN Jr, et al. **Vision Res** 1980;20(9):779–88

SEPHAROSE see under **POLYSACCHARIDES**

SEPTAL NUCLEI

ANALYSIS

Presence of a particular subpopulation of dopamine receptors within the septal nuclei: a behavioural study on cats. Megens AA, et al. **Eur J Pharmacol** 1981 May 8; 71(2–3):247–58

Increase of neurotensin content elicited by neuroleptics in nucleus accumbens. Govoni S, et al. **J Pharmacol Exp Ther** 1980 Nov;215(2):413–7

ANATOMY & HISTOLOGY

A projection from the entorhinal cortex to the nucleus accumbens in the rat. Krayniak PF, et al. **Brain Res** 1981 Mar 30;209(2):427–31

Monosynaptic input from the nucleus accumbens--ventral striatum region to retrogradely labelled nigrostriatal neurones. Somogyi P, et al. **Brain Res** 1981 Aug 3; 217(2):245–63

An experimental study of the ventral striatum of the golden hamster. I. Neuronal connections of the nucleus accumbens. Newman R, et al. **J Comp Neurol** 1980 May 15; 191(2):167–92

Subcortical afferents of the nucleus accumbens septi in the cat, studied with retrograde axonal transport of horseradish peroxidase and bisbenzimid. Groenewegen HJ, et al. **Neuroscience** 1980;5(11):1903–16

CYTOLOGY

Neurogenesis of the nucleus accumbens septi and neighboring septal nuclei in the rhesus monkey: a combined [3H]thymidine and electron microscopic study. Brand S, et al. **Neuroscience** 1980;5(12):2125–38

[Neuronal structure of septal nuclei of the forebrain nuclei of reptiles] San'kova OV, et al. **Arkh Anat Gistol Embriol** 1981 Apr;80(4):11–8 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Opposite effects of D-amphetamine on spontaneous neuronal activity in the neostriatum and nucleus accumbens. Rebec GV, et al. **Brain Res** 1980 Nov 17;201(2):485–91

Injection of low doses of apomorphine into the nucleus accumbens of rats reduces locomotor activity. Van Ree JM, et al. **Eur J Pharmacol** 1981 Jun 10;72(1):107–11

The effects of kainic acid injections on guanylate cyclase activity in the rat caudatoputamen, nucleus accumbens and septum. Walaas I. **J Neurochem** 1981 Jan;36(1):233–41

Differential actions of substituted benzamides on pre- and postsynaptic dopamine receptor mechanisms in the nucleus accumbens. Costall B, et al. **J Pharm Pharmacol** 1980 Aug; 32(8):594–6

Multiple receptors for brain dopamine in behavior regulation: concept of dopamine-E and dopamine-I receptors. Cools AR, et al. **Life Sci** 1980 Oct 6;27(14):1237–53 (136 ref.)

Corticotropin regulates transsynaptically the activity of septo–hippocampal cholinergic neurones. Botticelli LJ, et al. **Nature** 1981 Jan 1;289(5793):75–6

Neurotensin blocks certain amphetamine-induced behaviours. Ervin GN, et al. **Nature** 1981 May 7; 291(5810):73–6

Injections of dopaminergic, cholinergic, serotoninergic and GABAergic drugs into the nucleus accumbens: effects on locomotor activity in the rat. Jones DL, et al. **Neuropharmacology** 1981 Jan;20(1):29–37

Amphetamine-, scopolamine- and caffeine-induced locomotor activity following 6-hydroxydopamine lesions of the mesolimbic dopamine system. Joyce EM, et al. **Psychopharmacology (Berlin)** 1981;73(4):311–3

METABOLISM

Effect of stress and ACTH on dopamine metabolism in the nucleus accumbens and frontal cortex. Fadda F, et al. **Boll Soc Ital Biol Sper** 1981 Feb 28;57(4):454–8

3,4-dihydroxyphenylacetic acid (DOPAC) and the rat mesolimbic dopaminergic pathway: drug effects and evidence for somatodendritic mechanisms. Beart PM, et al. **Br J Pharmacol** 1980 Jun;69(2):241–7

Opposite changes in dopamine utilization in the nucleus accumbens and the frontal cortex after electrolytic lesion of the median raphe in the rat. Herve D, et al. **Brain Res** 1981 Jul 20;216(2):422–8

The interaction of chlordiazepoxide and sodium valproate in the nucleus accumbens of the rat. Kuruvilla A, et al. **Life Sci** 1981 Jan 26;28(4):393–9

Biochemical evidence for overlapping neocortical and allocortical glutamate projections to the nucleus accumbens and rostral caudatoputamen in the rat brain. Walaas I. **Neuroscience** 1981;6(3):399–405

[Analysis of acetylcholine turnover in small brain areas in the rat with a two-compartment model] Bluth R, et al. **Acta Biol Med Ger** 1980;39(1):113–21 (Eng. Abstr.) **(Ger)**

[Activity of central noradrenergic structures in experimental amnesia] Nikiforov AF, et al. **Zh Vyssh Nerv Deiat** 1981 Jan–Feb;31(1):183–4 **(Rus)**

PHYSIOLOGY

The influence of cholinergic drugs on evoked field potentials in the gyrus dentatus of immobilized rats. Krug M, et al. **Acta Neurobiol Exp (Warsz)** 1980;40(3):643–50

The septo-hippocampal pathway: electrophysiological observations. Krug M, et al. **Acta Physiol Acad Sci Hung** 1980;55(3):261–72

An electrophysiological study of inputs to neurons of the ventral tegmental area from the nucleus accumbens and medial preoptic-anterior hypothalamic areas. Maeda H, et al. **Brain Res** 1980 Sep 22;197(2):365–77

Effect of picrotoxin and nipecotic acid on inhibitory response of dopaminergic neurons in the ventral tegmental area to stimulation of the nucleus accumbens. Yim CY, et al. **Brain Res** 1980 Oct 20;199(2):466–73

The mesolimbic system, denervation and the climbing response in the mouse. Costall B, et al. **Eur J Pharmacol** 1980 Aug 29;66(2–3):207–15

Electrophysiological evidence for connections between septal neurones and the supraoptic nucleus of the hypothalamus of the rat. Poulain DA, et al. **Exp Brain Res** 1981;42(3–4):260–8

Stimulation of ventral tegmental area and nucleus accumbens reduce receptive fields for hypothalamic biting reflex in cats. Goldstein JM, et al. **Exp Neurol** 1981 Apr;72(1):239–46

Evidence for a hippocampal-septal glutamatergic pathway in the rat. Zaczek R, et al. **Exp Neurol** 1979 Jul;65(1):145–56

Hyperactivity following injection of a glutamate agonist and 6,7-ADTN into rat nucleus accumbens and its inhibition by THIP. Arnt J. **Life Sci** 1981 Apr 6;28(14):1597–603

Biochemical evidence for glutamate as a transmitter in hippocampal efferents to the basal forebrain and hypothalamus in the rat brain. Walaas I, et al. **Neuroscience** 1980;5(10):1691–8

Entorhinal and septal inputs differentially control sensory-evoked responses in the rat dentate gyrus. Deadwyler SA, et al. **Science** 1981 Mar 13; 211(4487):1181–3

[Behavioral changes following lesioning of the nucleus accumbens (ACB) and effects of centrally acting drugs in rats (author's transl)] Miyamoto M, et al. **Nippon Yakurigaku Zasshi** 1980 May;76(4):227–38 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

[Cortical influences on hemodynamics during combined nociceptive stimulation and electric stimulation of septal and bulbar brain structures] Avdeev VI, et al. **Fiziol Zh SSSR** 1980 Dec;66(12):1792–800 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Multilamellar bodies in alveolar septal cells. Kalina M, et al. **Exp Lung Res** 1980 Aug;1(3):201–9

SEPTICEMIA

Shigella sepsis. Duncan B, et al. **Am J Dis Child** 1981 Feb; 135(2):151–4

A prospective study on septicemia. II. Clinical manifestations and complications, results of antimicrobial treatment and report of a follow-up study. Svanbom M. **Scand J Infect Dis** 1980;12(3):189–206

BLOOD

Serotonin and pulmonary hypertension in human septic ARDS. Sibbald W, et al. **Crit Care Med** 1980 Sep; 8(9):490–4

The coagulation system in septic newborns. Weissbach G, et al. **Eur J Pediatr** 1981 Mar;136(1):67–73

Association of a low serum albumin with infection and increased mortality in critically ill patients. Dominguez de Villota E, et al. **Intensive Care Med** 1980 Nov;7(1):19–22

Gas–liquid chromatography in routine processing of blood cultures for detecting anaerobic bacteraemia. Reig M, et al. **J Clin Pathol** 1981 Feb;34(2):189–93

Multiple systems organ failure: III Contrasts in plasma amino acid profiles in septic trauma patients who subsequently survive and do not survive–effects of intravenous amino acids. Moyer ED, et al. **J Trauma** 1981 Apr;21(4):263–74

Multiple systems organ failure: IV. Imbalances in plasma amino acids associated with exogenous albumin in the trauma–septic patient. Moyer ED, et al. **J Trauma** 1981 Jul;21(7):543–7

Altered thyroid hormone levels in bacterial sepsis: the role of nutritional adequacy. Richmand DA, et al. **Metabolism** 1980 Oct;29(10):936–42

Effects of cortisone on decrease of serum albumin secondary to experimental infections. Deysine M, et al. **Surg Gynecol Obstet** 1980 Oct;151(4):477–80

[Changes in erythrocyte lipids in major septic states] Pourriat JL, et al. **Ann Anesthesiol Fr** 1980;21(4):451–8 (Eng. Abstr.) **(Fre)**

[Reduced plasma fibronectin in patients with sepsis and shock (author's transl)] Pott G, et al. **Dtsch Med Wochenschr** 1981 Apr 24;106(17):532–4 (Eng. Abstr.) **(Ger)**

[Lipopolysaccharides and lipid A. I. Humoral effect] Fink PC. **Med Lab (Stuttg)** 1981;34(4):101–7 **(Ger)**

[Disorders of haemostasis in postoperative septicaemia (author's transl)] Frick U, et al. **Zentralbl Chir** 1980; 105(17):1141–7 (Eng. Abstr.) **(Ger)**

[Blood and buffy coat smears in the diagnosis of bacteremia] Berant M, et al. **Harefuah** 1980 Apr 2;98(7):302–3 (Eng. Abstr.) **(Heb)**

[Electron microscopic study of the blood in suppurative wounds complicated by sepsis and bacterial shock] Vtiurin BV, et al. **Arkh Patol** 1980;42(12):32–9 (Eng. Abstr.) **(Rus)**

[Cytofluorimetry of cationic proteins in the neutrophilic leukocytes of infants with suppurative septic diseases] Shubich MG, et al. **Lab Delo** 1980;(10):595–7 (Eng. Abstr.) **(Rus)**

[Blood lipid and phospholipid spectra in sepsis in premature infants] Panzhukova SN, et al. **Pediatriia** 1981 Feb;(2):48 **(Rus)**

[Effectiveness of commercial polyvalent proteinase inhibitors. Use of gordox in vascular surgery] Iarovaia GA, et al. **Vopr Med Khim** 1980 Nov–Dec;26(6):837–43 (Eng. Abstr.) **(Rus)**

[Activity of T- and B-system lymphocytes in generalized purulent infections] Malafeeva EV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Apr;(4):39–42 (Eng. Abstr.) **(Rus)**

[Septicemia index in the newborn infant] Mizrahi Mograbi L, et al. **Bol Med Hosp Infant Mex** 1980 Nov–Dec; 37(6):1173–89 (Eng. Abstr.) **(Spa)**

CEREBROSPINAL FLUID

[Fibrin–fibrinogen degradation products in cerebrospinal fluid of patients with meningococcal infections (author's transl)] Bajo R, et al. **Med Clin (Barc)** 1980 Nov 10; 75(8):338–41 (Eng. Abstr.) **(Spa)**

COMPLICATIONS

Postoperative infections resulting from bacteremia. An experimental study in rabbits. Blomgren G, et al. **Acta Orthop Scand** 1980 Oct;51(5):761–5

Umbilical artery catheterization complicated by mycotic aortic aneurysm in neonates. Thompson TR, et al. **Adv Pediatr** 1980;27:275–318

Acute suppurative parotitis associated with anaerobic bacteremia. Anthes WH, et al. **Am J Clin Pathol** 1981 Feb; 75(2):260–2

Group B streptococcal septicemia and delayed-onset diaphragmatic hernia. A new clinical association. Harris MC, et al. **Am J Dis Child** 1981 Aug;135(8):723–5

Diarrhea in Streptococcus pneumoniae bacteremia. Seeler RA, et al. **Am J Hematol** 1980;8(3):309–14

Septicemic complications of the cutaneous T-cell lymphomas. Posner LE, et al. **Am J Med** 1981 Aug; 71(2):210–6

Staphylococcus aureus bacteremia in patients with acute leukemia. Sotman SB, et al. **Am J Med** 1980 Dec; 69(6):814–8

Acute haematogenous osteitis. Anderson JR, et al. **Arch Dis Child** 1980 Dec;55(12):953–7

Adult respiratory distress syndrome [letter] Manna R, et al. **Arch Intern Med** 1981 Feb;141(2):268–9

Thrombotic thrombocytopenic purpura associated with Bacteroides bacteremia [letter] Shalev O, et al. **Arch Intern Med** 1981 Apr;141(5):692

Gonococcal septicaemia presenting as a subcutaneous abscess. Owino NO, et al. **Br J Vener Dis** 1981 Apr; 57(2):143–4

Granulocytopenia and septicaemia [editorial] **Br Med J** 1980 Oct 25;281(6248):1091

Meningitis and septicaemia due to haemophilus influenzae type b in pregnancy. Sandberg T, et al. **Br Med J [Clin Res]** 1981 Mar 21;282(6268):946

Fulminant gonococcemia after splenectomy. Austin TW, et al. **Can Med Assoc J** 1980 Aug 9;123(3):195–6

Yersinia enterocolitica septicemia associated with cellulitis [letter] Righter J. **Can Med Assoc J** 1981 May 15; 124(10):1263

Acute septicemic melioidosis occurring in a child with acute lymphoblastic leukemia. Lin HP, et al. **Clin Pediatr (Phila)** 1980 Oct;19(10):697–9

Bacteremia in patients with cystic fibrosis. McCarthy MM, et al. **Clin Pediatr (Phila)** 1980 Nov;19(11):746–8

Thrombocytopenia in neonatal infection. Modanlou HD, et al. **Clin Pediatr (Phila)** 1981 Jun;20(6):402–7

Massive gas embolism in E. coli septicemia. Jones B. **Gastrointest Radiol** 1981;6(2):161–3

Small bowel perforation in a neonate due to staphylococcal septicemia. Yadav K, et al. **Indian J Pediatr** 1980 Mar–Apr; 47(385):169–70

Spontaneous rupture of the spleen in staphylococcal bacteremia. Frisón JC, et al. **Intensive Care Med** 1980 Nov; 7(1):29

Arizona hinshawii bacteraemia and meningitis in a child: a case report. Ichord R, et al. **J Clin Pathol** 1980 Sep; 33(9):848–50

Fever with sickle cell disease [letter] Lobel JS. **J Pediatr** 1980 Dec;97(6):1038–9

Immune thrombocytopenia in severe neonatal infections. Tate DY, et al. **J Pediatr** 1981 Mar;98(3):449–53

Peptococcla urinary tract infection with bacteremia: a case report. Stella GJ. **J Urol** 1980 Jul;124(1):158–9

Pneumococcal septicemia in children with sickle cell anemia. Changing trend of survival. Powars D, et al. **JAMA** 1981 May 8;245(18):1839–42

Pneumonia and septicemia due to Pseudomonas cepacia in a patient with cystic fibrosis. Rosenstein BJ, et al. **Johns Hopkins Med J** 1980 Nov;147(5):188–9

A false aneurysm of the aortic arch in a case of prolonged septicemia. Halevy J, et al. **Med Interne** 1981 Jan–Mar; 19(1):29–32

Midtrimester abortion associated with septicaemia caused by Campylobacter jejuni. Gilbert GL, et al. **Med J Aust** 1981 May 30;1(11):585–6

Shigella septicaemia following renal transplantation. Severn M, et al. **Postgrad Med J** 1980 Dec;56(662):852–3

Thrombocytopathy possibly due to sepsis. A new clinical entity? Anaya-Galindo R, et al. **Rev Invest Clin** 1980 Oct–Dec;32(4):391–9

Streptococcus bovis bacteremia: diagnosis of neoplasms by colonoscopy. Manzella JP. **South Med J** 1981 Aug; 74(8):999–1000

Gram-negative septicaemia complicating puerperal tetanus [letter] Tubbs H. **Trans R Soc Trop Med Hyg** 1980; 74(5):686–7

[The hepatic manifestation in bacteremia (author's transl)] Chu CM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1980 Sep; 79(9):828–35 (Eng. Abstr.) **(Chi)**

[Ureterocele and sepsis] Abrahamsson LO, et al. **Ugeskr Laeger** 1980 Sep 29;142(40):2631–2 **(Dan)**

[Polyradiculonevritis, Bacteroides fragilis septicemia and peritonitis in a case of systemic lupus erythematosus (author's transl)] Rozen D, et al. **Rev Med Brux** 1980 Jun; 1(6):395–8 (Eng. Abstr.) **(Fre)**

[Infection due to Yersinia enterocolitica in healthy and chronically ill children (author's transl)] Strobel S, et al. **Dtsch Med Wochenschr** 1980 Dec 12;105(50):1739–43 (Eng. Abstr.) **(Ger)**

[Hypomagnesemic coma during therapy of septicaemia in a patient with acute lymphoblastic leukemia. (author's transl)] Berthold F, et al. **Klin Paediatr** 1981 Mar;193(2):114–6 (Eng. Abstr.) **(Ger)**

[The ischemic–septic syndrome after acute occlusion of the superior mesenteric artery in animal experiments. I. Methods, clinical signs, bacteriology, pathological anatomy] Pircher W, et al. **Zentralbl Veterinaermed [A]** 1980;27(8):605–27 (Eng. Abstr.) **(Ger)**

[Pulmonary edema in sepsis of non-pulmonary origin] Pierri A, et al. **Minerva Anestesiol** 1979 Mar;45(3):117–21 (Eng. Abstr.) **(Ita)**

[Difficulties in diagnosing the consequences of staphylococcaemia (author's transl)] Bryc S, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 1979;34:71–80

(Eng. Abstr.) **(Pol)**
[Urinary tract infection in newborn infants with diarrhea and septicemia] Norska-Borówka I, et al. **Pediatr Pol** 1981; 56(4):401-7 (Eng. Abstr.) **(Pol)**
[Disseminated intravascular coagulation and leukemoid reaction in an infant during Salmonella typhimurium-induced septicemia] Prusek W, et al. **Wiad Lek** 1980 Sep 1;33(17):1395-8 (Eng. Abstr.) **(Pol)**
[Hepatorenal failure in suppurative, septic infection] Pavlychev RKh, et al. **Khirurgiia (Mosk)** 1981 May;(5):92-5 **(Rus)**
[Role of the infectious and inflammatory wound process in the development of blood rheological and microcirculatory disorders in burn patients in the septico-toxemic stage] Kozinets TP, et al. **Klin Khir** 1981 Mar;(3):7-10 (Eng. Abstr.) **(Rus)**
[Suppurative, destructive lung lesions in sepsis] Mustafin DG. **Klin Med (Mosk)** 1980 Dec;58(12):48-51 (Eng. Abstr.) **(Rus)**
[Prevention of secondary immunologic deficiency in experimental sepsis by means of hemosorption] Kaplin NI, et al. **Vestn Khir** 1980 Sep;125(9):51-3 **(Rus)**
[Bacterial lesion and rupture of the aortopulmonary septum as a complication of sepsis] Shevchenko IuL, et al. **Vestn Khir** 1981 Apr;126(4):20-2 **(Rus)**
[Sepsis and septic shock] Apanasenko BG, et al. **Voen Med Zh** 1980 Sep;(9):35-9 (25 ref.) **(Rus)**
[Hepatic lesion in suppurative inflammatory diseases in infants] Syr'eva TN, et al. **Vopr Okhr Materin Det** 1980 Sep;25(9):34-8 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Early detection of bacteremia by peripheral blood smears in critically ill newborns. Storm W. **Acta Paediatr Scand** 1981;70(3):415-6
Yersinia enterocolitica Septicemia. Bouza E, et al. **Am J Clin Pathol** 1980 Oct;74(4):404-9
Corynebacterium diphtheriae septicemia. Isaac-Renton JL, et al. **Am J Clin Pathol** 1981 Apr;75(4):631-4
Yersinia enterocolitica septicemia in normal infants. Shapiro ED. **Am J Dis Child** 1981 May;135(5):477-8
Teichoic acid antibody and circulating immune complexes in the management of Staphylococcus aureus bacteremia. Kaplan JE, et al. **Am J Med** 1981 Apr;70(4):769-74
Serious infection with Leptotrichia buccalis. Report of a case and review of the literature. Morgenstein AA, et al. **Am J Med** 1980 Nov;69(5):782-5 (18 ref.)
Etiology, diagnosis, and prognosis of positive blood cultures. Wilson RF. **Am Surg** 1981 Mar;47(3):112-5
Pseudobacteremia attributed to contamination of povidone-iodine with Pseudomonas cepacia. Berkelman RL, et al. **Ann Intern Med** 1981 Jul;95(1):32-6
Fulminant meningococcemia. Kearsley JH, et al. **Aust NZ J Med** 1981 Apr;11(2):187-90
Salmonella cerro causing pyaemia in man--report of a case. Bhore AV, et al. **Indian J Pathol Microbiol** 1980 Oct; 23(4):309-11
Evaluation of micro erythrocyte sedimentation rate in the diagnosis of neonatal sepsis. Parida SN, et al. **Indian J Pediatr** 1980 Sept-Oct;47(388):381-4
Gastric aspirate examination for early detection of neonatal septicemia. Agarwal RC, et al. **Indian Pediatr** 1980 May; 17(5):458-61
Value of buffy coat examination in early diagnosis of neonatal septicemia. Tak SK, et al. **Indian Pediatr** 1980 Apr; 17(4):339-41
False no-growth blood cultures in pneumococcal pneumonia. Adeniyi-Jones CC, et al. **J Clin Microbiol** 1980 Oct; 12(4):572-5
Evaluation of the necessity for routine terminal subcultures of previously negative blood cultures. Campbell J, et al. **J Clin Microbiol** 1980 Oct;12(4):576-8
Diagnosis of bacteremia in children by quantitative direct plating and a radiometric procedure. La Scolea LJ Jr, et al. **J Clin Microbiol** 1981 Mar;13(3):478-82
Brucella abortus septicemia: a case of abattoir-associated disease. Thiagarajan D. **J Kans Med Soc** 1981 Jan; 82(1):9-10, 13
Decreased use of antibiotics using a neonatal sepsis screening technique. Philip AG. **J Pediatr** 1981 May;98(5):795-9
Evaluation of the Limulus test for endotoxemia in neonates with suspected sepsis. Scheifele DW, et al. **J Pediatr** 1981 Jun;98(6):899-903
Outpatient bacteremia: clinical findings in children under two years with initial temperatures of 39.5 degrees C or higher. Waskerwitz S, et al. **J Pediatr** 1981 Aug;99(2):231-3
An objective method for early diagnosis of gram-negative septicemia in burned children. Carvajal HF, et al. **J Trauma** 1981 Mar;21(3):221-7
Evaluation of the buffy-coat smear for rapid detection of bacteremia. Reik H, et al. **JAMA** 1981 Jan 23-30; 245(4):357-9
Limulus amebocyte lysate test for endotoxemia: investigations with a femtogram sensitive spectrophotometric assay. Fink PC, et al. **Klin Wochenschr** 1981 Mar 2;59(5):213-8
Campylobacter fetus subsp jejuni bacteremia in diffuse lymphoma. Longfield RN, et al. **Mayo Clin Proc** 1981 Sep; 56(9):582-3
Counterimmunoelectrophoresis (CIE) for rapid diagnosis of bacteremia and bacterial meningitis. **Med Lett Drugs Ther** 1981 May 1;23(9):43-4
Yersinia enterocolitica sepsis in an infant. Brook I. **NY State J Med** 1981 Apr;81(5):778-9
Use of umbilical cord blood culture for detection of neonatal bacteremia. Polin JI, et al. **Obstet Gynecol** 1981 Feb; 57(2):233-7
A flaw in the study of bacteremia [letter] McClelland CQ, et al. **Pediatrics** 1981 Apr;67(4):579-80
Relative importance of bacteremia and viremia in the course of acute fevers of unknown origin in outpatient children. Murray DL, et al. **Pediatrics** 1981 Aug;68(2):157-60
Atypical clostridial bacteremia. Fry DE, et al. **Surg Gynecol Obstet** 1981 Jul;153(1):28-30
[Family physician reprimanded because repeat examination of a feverish infant was not carried out soon enough] **Ned Tijdschr Geneeskd** 1981 Mar 28;125(13):520-2 **(Dut)**
[Skin lesions in systemic candidiasis (author's transl)] de Prost Y, et al. **Nouv Presse Med** 1981 May 16;10(22):1813-5 (Eng. Abstr.) **(Fre)**
[Diagnostic and prognostic values of vacuolated polymorphonuclear neutrophils (author's transl)] Grange MJ, et al. **Nouv Presse Med** 1980 Sep 27;9(35):2553-4 (Eng. Abstr.) **(Fre)**
[Enterobacter cloacae pseudobacteremia in an intensive care unit (letter)] Schoutens-Serruys E, et al. **Nouv Presse Med** 1980 Jun 28;9(28):1964 **(Fre)**
[Campylobacter fetus intestinalis septicemia] Megraud F, et al. **Pediatrie** 1981 Jan-Feb;36(1):39-42 (Eng. Abstr.) **(Fre)**
[Staphylococcal sepsis with hyperergic reaction] Meixner A, et al. **Med Welt** 1980;31(46):1690-3 **(Ger)**
[A new method for diagnosing neonatal sepsis: microhemoculture of capillary blood] Salgó L, et al. **Orv Hetil** 1980 Sep 28;121(39):2395-7 **(Hun)**
[Early diagnosis of septicemia in newborn infants based on blood morphology] Modzelewska I, et al. **Pediatr Pol** 1980 Apr;55(4):481-6 (Eng. Abstr.) **(Pol)**
[Diagnostic, clinical and treatment problems of sepsis in infants] Matveev MP, et al. **Pediatriia** 1981 Feb;(2):74-8 **(Rus)**
[Diagnostic value of C reactive protein in neonatal sepsis (author's transl)] Matesanz JL, et al. **An Esp Pediatr** 1980 Aug;13(8):671-8 (Eng. Abstr.) **(Spa)**
[Diagnostic elements and identification of neonatal infection] Lozano CH. **Bol Med Hosp Infant Mex** 1980 Nov-Dec; 37(6):1709-84 **(Spa)**
[Evaluation of various laboratory tests for the diagnosis of septicemia in the newborn infant] Vargas Origel A, et al. **Bol Med Hosp Infant Mex** 1980 Nov-Dec;37(6):1135-40 (Eng. Abstr.) **(Spa)**
[Contribution of gas-liquid chromatography to the early diagnosis of bacteremia] Parrilla E, et al. **Rev Clin Esp** 1981 May 15;161(3):177-82 (Eng. Abstr.) **(Spa)**

DIET THERAPY

Nutritional support in sepsis. McLean AP, et al. **Surg Clin North Am** 1981 Jun;61(3):681-90

DRUG THERAPY

Soft-tissue infections of ampicillin-resistant Haemophilus influenzae type b. The use of ampicillin and nafcillin in their treatment. Yogev R. **Am J Dis Child** 1981 May; 135(5):410-2
Pelvic inflammatory disease and puerperal sepsis in Ethiopia. II. Treatment. Duncan ME, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 2):1059-63
Streptococcal infections in pregnancy. A study of 48 bacteremias. Gibbs RS, et al. **Am J Obstet Gynecol** 1981 Jun 15;140(4):405-11
Human pasteurellosis: The first reported case of Pasteurella multocida septicemia and peritonitis during pregnancy. Kam WK, et al. **Am J Obstet Gynecol** 1980 Oct 1; 138(3):351-2
Successful therapy of Clostridium septicum sepsis in a child with Burkitt's lymphoma. Toledano SR, et al. **Am J Pediatr Hematol Oncol** 1981 Spring;3(1):87-8
Carbenicillin plus cefazolin with or without mecillinam as an early treatment of bacteremia caused by gram-negative organisms: randomized double-blind study. Klastersky J, et al. **Antimicrob Agents Chemother** 1980 Sep;18(3):437-42
Synergistic action of nafcillin and ampicillin against ampicillin-resistant Haemophilus influenzae type b bacteremia and meningitis in infant rats. Yogev R, et al. **Antimicrob Agents Chemother** 1980 Jul;18(1):122-4
Granulocytopenia and septicaemia [letter] **Br Med J** 1980 Nov 15;281(6251):1353
Pseudomonas septicaemia [letter] Hopkin DA. **Br Med J** 1980 Jul 5;281(6232):62
Clinical study of Rocephin, a 3d generation cephalosporin, in various septicaemias. Ghosen V, et al. **Chemotherapy** 1981;27 Suppl 1:100-3
Proteinase inhibitors in severe inflammatory processes (septic shock and experimental endotoxaemia): biochemical, pathophysiological and therapeutic aspects. Fritz H. **Ciba Found Symp** 1979;(75):351-79 (59 ref.)
Piperazine toxicity in a new born. Lahori UC, et al. **Indian Pediatr** 1981 Jan;18(1):71-2
Evaluation of amikacin dosage regimes in the low and very low birthweight newborn. Cookson B, et al. **Infection** 1980; 8 Suppl 3:S 239-42
Diagnosis and therapy of anaerobic infections in childhood. Roos R, et al. **Infection** 1980;8 Suppl 2:S203-4
Chemotherapeutic aspects of anaerobic septicemia. Stille W. **Infection** 1980;8 Suppl 2:S191-2
The treatment of infection and septicemia in the newborn. Walther M, et al. **Infection** 1980;8 Suppl 2:S205-6
Miconazole as a treatment for Candida septicaemia. Ryan DW, et al. **Intensive Care Med** 1980 Aug;6(4):215-6
Cefotaxime in the treatment of septicaemia and endocarditis. Armengaud M, et al. **J Antimicrob Chemother** 1980 Sep; 6 Suppl A:263-8
Amoxycillin and clavulanic acid in intra-abdominal and pelvic sepsis. Ball P, et al. **J Antimicrob Chemother** 1981 Apr;7(4):441-4
Cefotaxime in septicaemia including typhoid fever. McKendrick MW, et al. **J Antimicrob Chemother** 1980 Sep; 6 Suppl A:277-81
Aminoglycosides in the treatment of bacteraemic infections in the immuno-comprised host. Young LS, et al. **J Antimicrob Chemother** 1981 Jul;8 Suppl A:121-32
Orally administered antibiotics for suspected bacteremia [letter] Friedman AD, et al. **J Pediatr** 1981 Feb;98(2):335
Mecillinam (Selexidin) in the treatment of neonates. de Louvois J, et al. **J Perinat Med** 1981;9(2):87-95
Effect of adenosine triphosphate-glucose administration following sepsis. Chaudry IH, et al. **J Surg Res** 1980 Oct; 29(4):348-56
Evaluation of multiple regimens in leprosy. Ramu G, et al. **Lepr India** 1981 Apr;53(2):190-6
Steroid-responsive vasculitis and arthritis in meningococcal septicaemia. Keeling PW, et al. **Postgrad Med J** 1980 Nov; 56(661):800-1
Cefuroxime in soft tissue infections and septicaemia. Hugo H, et al. **Scand J Infect Dis** 1980;12(3):227-30
Netilmicin therapy of patients with septicaemia and other severe infections. Brandenhoff P, et al. **Scand J Infect Dis [Suppl]** 1980;Suppl 23:181-5
Clinical assessment of newer antibiotics. Effect in compromised hosts and drug combinations. Jackson GG. **Scand J Infect Dis [Suppl]** 1980;Suppl 23:167-75
Bactericidal properties of lysosomal proteins obtained from human polymorphonuclear leucocytes (PMNL) examined in vitro. III. Examinations in vivo. Denys A, et al. **Zentralbl Bakteriol [B]** 1980 Jun;171(1):69-72
[Place of cefotaxime in the treatment of septicaemias due to enterobacteriaceae (author's transl)] Bastin R, et al. **Nouv Presse Med** 1981 Feb 26;10(8):598-600 (Eng. Abstr.) **(Fre)**
[Cefotaxime in septicaemia and severe infections due to multiresistant Gram-negative bacilli (author's transl)] Dureux JB, et al. **Nouv Presse Med** 1981 Feb 26;10(8):601-6 (Eng. Abstr.) **(Fre)**
[Treatment of Gram-negative septicaemia with cefotaxime: 16 cases (author's transl)] Goulon M, et al. **Nouv Presse Med** 1981 Feb 26;10(8):613-6 (Eng. Abstr.) **(Fre)**
[Septicemia due to polyresistant Staphylococcus aureus (author's transl)] Bonnardot JP, et al. **Sem Hop Paris** 1980 Nov 18-25;56(43-44):1850-2 (Eng. Abstr.) **(Fre)**
[Clinical and therapeutic aspects of Candida endophthalmitis] Jeker J, et al. **Klin Monatsbl Augenheilkd** 1980 Jan; 176(1):153-5 (Eng. Abstr.) **(Ger)**
[Suppression of bone marrow in neonatal herpes simplex virus infection under virustatic therapy with adenine arabinoside-5'-monophosphate (author's transl)] Ebell W, et al. **Klin Paediatr** 1980 Nov;192(6):582-6 (Eng. Abstr.) **(Ger)**
[Correction of the reparative process disorders in the wound in extensive burns in the septicotoxemia phase by using proteolytic enzyme inhibitors] Dolgina MI, et al. **Khirurgiia (Mosk)** 1980 Nov;(11):82-6 (Eng. Abstr.) **(Rus)**
[Infusion therapy of severe suppurative infection] Mal'chenko VE, et al. **Sov Med** 1980;(6):76-9 **(Rus)**

ENZYMOLOGY

High serum alkaline phosphatase in septemic infection [letter] Chiu CM, et al. **Gastroenterology** 1980 Oct;79(4):776
[Serum lysozyme activity of serum and umbilical cord blood in newborn babies-diagnostic value of the enzyme in infants with susceptibility to infections and in cases of septicemia. (author's transl)] Dick W, et al. **Klin Paediatr** 1981 Mar; 193(2):91-3 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Post-splenectomy septicemia in Hodgkin's disease and other disorders. Askergren J, et al. **Acta Chir Scand** 1980; 146(8):569-75
Bacteriology and phlebography in catheterization for parenteral nutrition. A prospective study. Brismar B, et al. **Acta Chir Scand** 1980;146(2):115-9
Biliary bacteremia at various stages of acute cholecystitis. Järvinen HJ. **Acta Chir Scand** 1980;146(6):427-30
Septicaemia in patients with central vein catheters. An evaluation of a method including weekly exchange of catheter. Malmvall BE, et al. **Acta Chir Scand** 1980; 146(3):155-9
Enteritis and septicaemia due to Campylobacter jejuni. Mascart G, et al. **Acta Clin Belg** 1979;34(6):365-9
Neonatal sepsis due to group G streptococci. Appelbaum PC, et al. **Acta Paediatr Scand** 1980 Jul;69(4):559-62
The role of the spleen in immunity and infection. Spirer Z. **Adv Pediatr** 1980;27:55-88

Clostridium infection in mother and infant. Chaney NE. **Am J Dis Child** 1980 Dec;134(12):1175–6
Severe meningococcal disease caused by serogroups X and Z. Ryan NJ, et al. **Am J Dis Child** 1980 Dec;134(12):1173
Nosocomial septicemia and meningitis in neonates. Baker CJ. **Am J Med** 1981 Mar;70(3):698–701
Endemic rate of fluid contamination and related septicemia in arterial pressure monitoring. Maki DG, et al. **Am J Med** 1981 Mar;70(3):733–8
Pelvic inflammatory disease and puerperal sepsis in Ethiopia. I. Etiology. Perine PL, et al. **Am J Obstet Gynecol** 1980 Dec 1;138(7 Pt 2):969–73
Comparison of community-acquired and nosocomial pneumococcal bacteremia. Mylotte JM, et al. **Am Rev Respir Dis** 1981 Mar;123(3):265–8
Catheter-related complications in patients receiving home parenteral nutrition. Fleming CR, et al. **Ann Surg** 1980 Nov; 192(5):593–9
Haemophilus influenza sepsis and shock secondary to biliary infection in an adult. de Sa Pereira M, et al. **Arch Intern Med** 1981 May;141(6):795–6
Pseudomonas putrefaciens and group A beta-hemolytic streptococcus septicemia. Eschete ML, et al. **Arch Intern Med** 1980 Nov;140(11):1533–4
Saccharomyces cerevisiae septicemia. Eschete ML, et al. **Arch Intern Med** 1980 Nov;140(11):1539
Meningococcemia caused by serogroup W135. Association with hypogammaglobulinemia. Salit IE. **Arch Intern Med** 1981 Apr;141(5):664–5
Enterococcal bacteremia without endocarditis. Shlaes DM, et al. **Arch Intern Med** 1981 Apr;141(5):578–81
Prosthetic arterial graft material. Influence on neointimal healing and bacteremic infectibility. Moore WS, et al. **Arch Surg** 1980 Nov;115(11):1379–83
Septic complications of cholecystectomy and the value of operative cholangiography. Douglas DL, et al. **Br J Clin Pract** 1980 Jun;34(6):171–4
Spina bifida [letter] Bayston R. **Br J Hosp Med** 1981 Feb; 25(2):206
Dacron graft erosion of the duodenum: a complication of interposition mesocaval shunt operations. Osborne DR, et al. **Br J Surg** 1981 Jul;68(7):483–4
Staphylococcal septicaemia after insertion of an intrauterine contraceptive device [letter] Geddes AM. **Br Med J** 1980 Dec 13;281(6255):1639
Enteral feeds contaminated with Enterobacter cloacae as a cause of septicaemia. Casewell MW, et al. **Br Med J [Clin Res]** 1981 Mar 21;282(6268):973
Fulminant Streptococcus pyogenes infection [letter] Conner WT. **Br Med J [Clin Res]** 1981 Feb 21;282(6264):651
Recurrent bacteraemia: an unusual presentation of choriocarcinoma. Holt P, et al. **Br Med J [Clin Res]** 1981 Jun 6;282(6279):1835–6
Biliary origin septicemia. Xiao LJ, et al. **Chin Med J [Engl]** 1981 Feb;94(2):127–32
Consequences of amniotic fluid infections: early neonatal septicaemia. Tafari N, et al. **Ciba Found Symp** 1979; (77):55–67
Absence of bacteremia and endotoxemia despite contaminated dialyzate. Bernick JJ, et al. **Clin Nephrol** 1980 Jul;14(1):13–7
Osteomyelitis and bacteremia caused by Bacteroides fragilis: a complication of fetal monitoring. Brook I. **Clin Pediatr (Phila)** 1980 Sep;19(9):639–40
Septicemia in childhood malignancy. Analysis of 101 consecutive episodes. Miser JS, et al. **Clin Pediatr (Phila)** 1981 May;20(5):320–3
Disseminated gonococcal infection. Felman YM, et al. **Cutis** 1981 Feb;27(2):140–1, 144–5, 151, passim
Bacteremia after proctoscopy and hemorrhoidal injection sclerotherapy. Adami B, et al. **Dis Colon Rectum** 1981 Jul–Aug;24(5):373–4
Endotoxemia in cirrhosis [letter] Liehr H. **Gastroenterology** 1981 Jun;80(6):1612–4
Gingival lesion and streptococcal pneumoniae type 14 bacteremia. Nudelman R, et al. **IMJ** 1980 Nov;158(5):346–7
Shigella septicaemia in children: report of three cases. Panhotra BR, et al. **Indian J Pathol Microbiol** 1980 Oct; 23(4):299–301
Rupture of membranes, gastric aspirate cytology and neonatal sepsis. Thomas S, et al. **Indian J Pediatr** 1980 Nov–Dec; 47(389):511–4
Bacteremia following exchange transfusion in the newborn. Mohan VM, et al. **Indian Pediatr** 1980 Apr;17(4):334–8
Acinetobacter meningitis: case report with review of literature. Sachdev HS, et al. **Indian Pediatr** 1980 Jun; 17(6):551–5
Infection theory of eclampsia reevaluated. Ekwempu CC. **Int J Gynaecol Obstet** 1980;18(4):300–2
Infections due to Yersinia enterocolitica serotypes O:2,3 and O:4 acquired in South Florida. Chester B, et al. **J Clin Microbiol** 1981 May;13(5):885–7
Pseudomonas denitrificans meningitis. Fischer RA, et al. **J Clin Microbiol** 1981 May;13(5):1004–6
Pseudomonas pickettii bacteremia. Fujita S, et al. **J Clin Microbiol** 1981 Apr;13(4):781–2
Capnocytophaga ochracea septicemia. Gilligan PH, et al. **J Clin Microbiol** 1981 Apr;13(4):643–5
Anaerobiospirillum succiniciproducens septicemia. Rifkin GD, et al. **J Clin Microbiol** 1981 May;13(5):811–3
Pseudomonas paucimobilis bacteremia. Southern PM Jr, et al. **J Clin Microbiol** 1981 Jun;13(6):1070–3
Waterhouse–Friderichsen syndrome caused by a DF-2 bacterium in a splenectomised patient. Chaudhuri AK, et al. **J Clin Pathol** 1981 Feb;34(2):172–3
Aetiological agents and laboratory diagnosis of bacteraemic shock [letter] Ross CA. **J Clin Pathol** 1981 May; 34(5):569–70
From the centers for disease control. Salmonella bacteremia: reports to the Centers for Disease Control, 1968–1979. Blaser MJ, et al. **J Infect Dis** 1981 May;143(5):743–6
Bacteremia due to Bacteroides fragilis after elective appendectomy in renal transplant recipients. Fisher MC, et al. **J Infect Dis** 1981 May;143(5):635–8
Pasteurella multocida: plasma lysozyme in bacteremic and lipopolysaccharide-exposed turkeys. Rimler RB, et al. **J Infect Dis** 1980 Oct;142(4):614–7
A case of anaerobic middle ear infection with complications. Beeden AG, et al. **J Laryngol Otol** 1980 Jun;94(6):659–62
Catheter-related sepsis [letter] Andrassy RJ. **J Pediatr** 1980 Dec;97(6):1040
Simultaneous occult pneumococcal bacteremia in identical twins. Singer JI, et al. **J Pediatr** 1981 Feb;98(2):250–2
Dental flossing and its relationship to transient bacteremia. Carroll GC, et al. **J Periodontol** 1980 Dec;51(12):691–2
Bacteraemia and upper gastrointestinal fibre-endoscopy. Kirk A, et al. **J R Soc Med** 1979 Jun;72(6):409–11
Anaerobic urinary infections: Bacteroides fragilis bacteremia from the urinary tract. Bagley D, et al. **J Urol** 1980 Jul; 124(1):160–1
Factitious polymicrobial bacteremia: a case report. Green SL, et al. **J Urol** 1981 Feb;125(2):263–4
Cryptococcal septicemia associated with urologic instrumentation in a renal allograft recipient. Plunkett JM, et al. **J Urol** 1981 Feb;125(2):241–2
Fulminant Meningococcemia after splenectomy. Holmes FF, et al. **JAMA** 1981 Sep 4;246(10):1119–20
Serratia endocarditis in a pediatric burn patient. Cure with cefotaxime. Hyams KC, et al. **JAMA** 1981 Aug 28; 246(9):983–4
TPN catheter sepsis: lack of effect of subcutaneous tunnelling of PVC catheters on sepsis rate. von Meyenfeldt MM, et al. **JPEN** 1980 Sep–Oct;4(5):514–7
Diminished bacterial defences with intralipid. Fischer GW, et al. **Lancet** 1980 Oct 18;2(8199):819–20
Bacteraemia and endoscopy [letter] O'Connor HJ, et al. **Lancet** 1981 Feb 7;1(8215):334
Pneumococcal septicaemia after endoscopic gastric polypectomy [letter] Graham JR. **Med J Aust** 1980 Oct 18;2(8):457–8
Fulminating systemic infection caused by Vibrio cholerae species which does not agglutinate with 0–1 V. cholerae antiserum. Guard RW, et al. **Med J Aust** 1980 Jun 28; 1(13):659–61
Transient bacteremia associated with debridement of decubitus ulcers. Glenchur H, et al. **Milit Med** 1981 Jun; 146(6):432–3
Pseudobacteremia caused by povidone-iodine solution contaminated with Pseudomonas cepacia. Craven DE, et al. **N Engl J Med** 1981 Sep 10;305(11):621–3
In vivo studies of dialysis-related endotoxemia and bacteremia. Bernick JJ, et al. **Nephron** 1981;27(6):307–12
A cluster of septic complications associated with illegal induced abortions. Gold J, et al. **Obstet Gynecol** 1980 Sep; 56(3):311–5
Premature rupture of the membranes and prolonged latency. Johnson JW, et al. **Obstet Gynecol** 1981 May;57(5):547–56
Clostridium perfringens septicemia following cesarean section. Mariona FG, et al. **Obstet Gynecol** 1980 Oct; 56(4):518–21
Pneumococcal sepsis in childhood leukemia and lymphoma. Allen JB, et al. **Pediatrics** 1981 Feb;67(2):292–5
Chronic Salmonella eimsbuettel septicaemia presenting with intermittent sweats and haematuria. Lowes JA, et al. **Postgrad Med J** 1980 Nov;56(661):792–3
Staphylococcal septicaemia, endocarditis, and osteomyelitis in dialysis and renal transplant patients. Nicholls A, et al. **Postgrad Med J** 1980 Sep;56(659):642–8
Clostridium paraputrificum sepsis in sickle cell anemia. Brook I, et al. **South Med J** 1980 Dec;73(12):1644–5
Risk of bacteremia after endotracheal intubation for general anesthesia. Gerber MA, et al. **South Med J** 1980 Nov; 73(11):1478–80
DF-2 septicemia after splenectomy: epidemiology and immunologic response. Hinrichs JH, et al. **South Med J** 1980 Dec;73(12):1638–40
Catheter sepsis due to Staphylococcus epidermidis during parenteral nutrition. Sitges-Serra A, et al. **Surg Gynecol Obstet** 1980 Oct;151(4):481–3
Bacteremia and bacteriuria after transrectal prostatic biopsy. Brown RW, et al. **Urology** 1981 Aug;18(2):145–8
Salmonella epididymitis with recurrent septicemia in diabetic patient. Gerridzen RG, et al. **Urology** 1981 Feb;17(2):172–4
[Septic states in children with acute purulent peritonitis] Hájková H, et al. **Rozhl Chir** 1980 Sep;59(9):612–6 (Eng. Abstr.) **(Cze)**
[Postsplenectomy sepsis after traumatic spleen rupture] Angelo-Nielsen K, et al. **Ugeskr Laeger** 1980 Sep 8; 142(37):2422–3 (Eng. Abstr.) **(Dan)**
[Pneumococcal sepsis after splenectomy and its prevention] van den Ingh HF, et al. **Ned Tijdschr Geneeskd** 1981 Jul 25;125(30):1198–200 (Eng. Abstr.) **(Dut)**
[A bacteremia epidemic caused by contaminated prednisolone-heparin ampules] van Raalte RF, et al. **Ned Tijdschr Geneeskd** 1981 Jun 13;125(24):952–6 (Eng. Abstr.) **(Dut)**
[Risk of infection associated with umbilical vein catheterization and exchange transfusion in neonatal hyperbilirubinemia] Kero P, et al. **Duodecim** 1980; 96(9):673–8 (Eng. Abstr.) **(Fin)**
[Septicaemias observed in intensive care. Causes (author's transl)] Blettery B, et al. **Anesth Analg (Paris)** 1979; 36(11–12):573–4 (Eng. Abstr.) **(Fre)**
[Maternal transmission of bacterial infections in 67 newborn infants (author's transl)] Amiel-Tison C, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(4):479–87 (Eng. Abstr.) **(Fre)**
[Vaginal hysterectomy. Our experience between the years 1970 to 1979 (556 operations) (author's transl)] Dargent D, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980; 9(8):895–908 (Eng. Abstr.) **(Fre)**
[Candida septicemias in an intensive care unit] Durocher A, et al. **Lille Med** 1980 Oct;25(8):438–44 (Eng. Abstr.) **(Fre)**
[Candida albicans septicemia from: apropos of 11 personal cases] El Kabbaj M, et al. **Maroc Med** 1980 Jun; 2(2):193–202 (Eng. Abstr.) **(Fre)**
[Fulminant pneumococcal septicemia, asplenia and acute disseminated lupus erythematosus] Fourrier F, et al. **Rev Med Interne** 1981;2(2):169–71 **(Fre)**
[Septicemia following infection of an endocardial electrode lead (author's transl)] Aubert M, et al. **Sem Hop Paris** 1980 Oct 15;56(37–38):1540–3 (Eng. Abstr.) **(Fre)**
[A case report of septicaemia due to Campylobacter fetus variety intestinalis on a cancerous patient (author's transl)] Colloc ML, et al. **Sem Hop Paris** 1980 Dec 18–25; 56(47–68):2039–40 (Eng. Abstr.) **(Fre)**
[Appearance of transitory bacteremia during human periodontal flap operations] Raetzke P, et al. **Dtsch Zahnaerztl Z** 1981;36(1):121–5 **(Ger)**
[Premortal Candida septicaemia associated with Lyell's syndrome (author's transl)] Schneider HG, et al. **Mykosen** 1981 Jun;24(6):349–53 (Eng. Abstr.) **(Ger)**
[The effect of intubation, tracheotomy and central venous catheter on pneumonia and sepsis in burn patients] Papp C, et al. **Z Plast Chir** 1981 Jun;5(2):123–9 (Eng. Abstr.) **(Ger)**
[Parametrial abscess and sepsis, following pudondus block (author's transl)] Wittig R. **Zentralbl Gynaekol** 1981; 103(10):583–5 **(Ger)**
[Group A beta-hemolytic streptococcal sepsis in childhood] Nutman J, et al. **Harefuah** 1981 Feb 1;100(3):129–30 (Eng. Abstr.) **(Heb)**
[Neonatal pseudomonas aeruginosa sepsis. Unusual complications of a disease] Korányi G, et al. **Orv Hetil** 1980 Nov 30;121(48):2923–7 **(Hun)**
[Septic complications, due to the catheter, in parenteral nutrition and continuous peridural anesthetic block. Cases from an intensive care center] Sinatra A, et al. **Minerva Anestesiol** 1980 Oct;46(10):1117–21 (Eng. Abstr.) **(Ita)**
[Serratia marcescens septicemia complicating acute leukemia.--Report of 2 cases (author's transl)] Funada H, et al. **Kansenshogaku Zasshi** 1980 Aug;54(8):408–13 (Eng. Abstr.) **(Jpn)**
[Listeria monocytogenes septicemia in association with acute lymphoblastic leukemia. A case report (author's transl)] Dan K, et al. **Rinsho Ketsueki** 1980 May;21(5):627–32 (Eng. Abstr.) **(Jpn)**
[Splenectomy and serious infections] Heier HE. **Tidsskr Nor Laegeforen** 1980 Jun 10;100(16):1058–61 (Eng. Abstr.) **(Nor)**
[Various aspects of postextraction bacteremia] Wanyura H, et al. **Czas Stomatol** 1980 Nov;33(11):1001–4 (41 ref.) (Eng. Abstr.) **(Pol)**
[Nature and dynamics of postextraction bacteremia] Wanyura H, et al. **Czas Stomatol** 1981 Jan;34(1):21–6 (Eng. Abstr.) **(Pol)**
[Factors affecting the intensity of postextraction bacteremia] Wanyura H, et al. **Czas Stomatol** 1981 Feb;34(2):169–74 (Eng. Abstr.) **(Pol)**
[Surgical complications in patients with artificial pacemakers] Juszczyński M, et al. **Kardiol Pol** 1980;23(12):1017–22 (Eng. Abstr.) **(Pol)**
[Case of late generalized infection after splenectomy] Klimkiewicz-Wiesiołek E, et al. **Wiad Lek** 1980 Nov 1; 33(21):1741–3 (Eng. Abstr.) **(Pol)**
[Pathogenesis of certain forms of sepsis] Gurevich PS, et al. **Arkh Patol** 1980;42(10):29–35 (Eng. Abstr.) **(Rus)**
[Etiological problems of suppurative, septic diseases in newborn infants] Cherkasskaia RO, et al. **Pediatriia** 1981 Feb;(2):42–5 (Eng. Abstr.) **(Rus)**
[Sepsis (a review of the literature)] Kazantsev AP. **Voen Med Zh** 1980 Sep;(9):30–4 (28 ref.) **(Rus)**
[Pathogenesis and treatment principles in sepsis] Lytkin MI. **Voen Med Zh** 1981 Apr;(4):26–30 (17 ref.) **(Rus)**
[Bacteremia, sepsis and septic meningitis in patients hospitalized in the Hospital of Infectious Diseases, Zagreb during 1978 and 1979 (author's transl)] Tomljenović V, et al. **Lijec Vjesn** 1980 Oct;102(10):589–93 (Eng. Abstr.) **(Scr)**
[Hemoculture in a urology department. First part: Its clinical evaluation] Avila Padilla J, et al. **Actas Urol Esp** 1981 Mar–Apr;5(2):119–24 (Eng. Abstr.) **(Spa)**
[Clostridium septicum bacteremia in a diabetic patient (author's transl)] Asencio Marchante R, et al.

Med Clin (Barc) 1981 Jan 10;76(1):23–5 (Eng. Abstr.) (Spa)

IMMUNOLOGY

C3, factor B, alpha–1–antitrypsin in neonatal septicaemia with sclerema. Pelet B. **Arch Dis Child** 1980 Oct;55(10):782–8

Complement activation in Staphylococcus aureus bacteraemia. Hallett AF, et al. **Clin Exp Immunol** 1980 May; 40(2):306–11

In vivo evidence that an intact lytic complement pathway is not essential for successful removal of circulating Borrelia turicatae from mouse blood. Newman K Jr, et al. **Infect Immun** 1981 Jan;31(1):465–9

K–1 antigen content and the presence of an additional sialic acid–containing antigen among bacteremic K–1 Escherichia coli: correlation with susceptibility to opsonophagocytosis. Stevens P, et al. **Infect Immun** 1980 Sep;29(3):1055–61

Immunological aspects to severe bacterial sepsis. Clumeck N, et al. **Intensive Care Med** 1981 Apr;7(3):109–14 (86 ref.)

The role of the spleen in experimental pneumococcal bacteremia. Brown EJ, et al. **J Clin Invest** 1981 Apr; 67(4):975–82

The influence of opsonization with specific antibody and complement on the nitroblue tetrazolium (NBT) reduction of neutrophil granulocytes. A methodological study and a clinical application. Urban T, et al. **J Clin Lab Immunol** 1981 May;5(3):175–9

Immunoglobulin G and immunoglobulin M antibody responses of patients with malignancies to the O antigens of bacteria causing bacteremia. Gannon PJ, et al. **J Clin Microbiol** 1980 Jul;12(1):60–2

O antigens of Proteus mirabilis and Proteus vulgaris strains isolated from patients with bacteremia. Larsson P. **J Clin Microbiol** 1980 Oct;12(4):490–2

Thermodissociation of staphylococcal immune complexes and detection of staphylococcal antigen in serum from patients with Staphylococcus aureus bacteremia. Tabbarah ZA, et al. **J Clin Microbiol** 1980 Jun;11(6):703–9

The critical role of complement in experimental pneumococcal sepsis. Hosea SW, et al. **J Infect Dis** 1980 Dec;142(6):903–9

Antibody response to capsular polysaccharides of groups A and C neisseria meningitidis and Haemophilus influenzae type b during bacteremic disease. Käyhty H, et al. **J Infect Dis** 1981 Jan;143(1):32–41

The role of complement in limiting bacteremia caused by streptcoccal L–phase variants. King JC, et al. **Proc Soc Exp Biol Med** 1980 Sep;164(4):507–9

Hypocomplementemia and Campylobacter fetus infection. Arroyo JC, et al. **South Med J** 1980 Nov;73(11):1540–2

[Membranes properties of granulocytes in Job's–Syndrome with E. coli–septicemia (author's transl)] Burdach SE, et al. **Monatsschr Kinderheilkd** 1981 Apr;129(4):229–32 (Eng. Abstr.) (Ger)

[Yersinia enterocolitica sepsis] Steinbakk M, et al. **Tidsskr Nor Laegeforen** 1981;101(8):510–1 (Eng. Abstr.) (Nor)

[Nitroblue tetrazolium test in generalized bacterial infections in newborn infants] Ogińska Z. **Pol Tyg Lek** 1980 Apr 28; 35(17):623–5 (Eng. Abstr.) (Pol)

[Dynamics of the immunity indices in suppurative and septic diseases] Smirnova OV, et al. **Khirurgiia (Mosk)** 1980 Nov; (11):30–6 (Rus)

[Immunomorphology and pathogenesis of sepsis in young infants] Barsukov VS. **Pediatriia** 1980 Aug;(8):32–4 (Rus)

[Clinical immunological characteristics of infants to 2 years of age with suppurative, septic diseases of staphylococcal etiology] Lishke AA, et al. **Pediatriia** 1980 Aug;(8):34–5 (Eng. Abstr.) (Rus)

[Intraleukocyte microbicidal system of the neutrophilic granulocytes in healthy children and in children with suppurative and septic diseases] Nesterova IV. **Pediatriia** 1981 Jan;(1):68–9 (Rus)

[State of humoral protection factors in sepsis in premature newborn infants and during their antibiotic treatment] Plaksin AI, et al. **Pediatriia** 1981 Feb;(2):45–7 (Eng. Abstr.) (Rus)

[Indicators of humoral immunity and allergy in Pseudomonas infection with septicemia] Zarubina EK, et al. **Sov Med** 1980;(12):46–50 (Eng. Abstr.) (Rus)

METABOLISM

Septic autocannibalism. A failure of exogenous nutritional support. Cerra FB, et al. **Ann Surg** 1980;192(4):570–80

Effect of injury and infection on visceral metabolism and circulation. Wilmore DW, et al. **Ann Surg** 1980; 192(4):491–504

Sepsis, glucose intolerance, and protein malnutrition: a metabolic paradox. Dahn M, et al. **Arch Surg** 1980 Dec; 115(12):1415–8

Role of pulmonary edema in the acute pulmonary response to sepsis. McCaffree DR, et al. **J Appl Physiol** 1981 Jun; 50(6):1198–205

Oxidative metabolism in experimental Bacteriodies fragilis bactermia. Fry DE, et al. **J Surg Res** 1980 Jun;28(6):501–6

Multiple systems organ failure: II. The effect of infusion of amino acids and glucose. McMenamy RH, et al. **J Trauma** 1981 Mar;21(3):228–36

[Changes of the intermediary metabolism in septic patients. I. Relation to insulin requirements] Cambronero JA, et al. **Rev Clin Esp** 1980 Oct 31;159(2):95–9 (Eng. Abstr.) (Spa)

MICROBIOLOGY

Hematogenous infection of total joint replacement. An experimental study in the rabbit. Blomgren G. **Acta Orthop Scand [Suppl]** 1981;187:1–64

Yersinia pseudotuberculosis as the cause of septicaemia in a patient with liver cirrhosis. A case report. Gundersen T, et al. **Acta Pathol Microbiol Scand [B]** 1981 Apr; 89B(2):61–2

Anaerobic bacteremia in children. Brook I, et al. **Am J Dis Child** 1980 Nov;134(11):1052–6

Fatal group G streptococcal sepsis in a preterm neonate. Mohan VK, et al. **Am J Dis Child** 1980 Sep;134(9):894–5

Polymicrobial sepsis: an analysis of 184 cases using log linear models. Mackowiak PA, et al. **Am J Med Sci** 1980 Sep–Oct; 280(2):73–80

Rapid identification of Enterobacteriaceae associated with bacteremia: a preliminary report. Hicock PI, et al. **Am J Med Technol** 1980 Oct;46(10):776–8

Gram–negative bacteremias. Analysis of factors for clinical assessment of gentamicin resistance. Lynch JM, et al. **Arch Intern Med** 1981 Apr;141(5):582–6

Fulminant gonococcemia of fulminant meningococcemia? [letter] Richards GK. **Can Med Assoc J** 1980 Nov 8; 123(9):842, 844

Activity of cefamandole, cefoxitin, ampicillin and gentamicin against 419 bacteria isolated from blood of patients with sepsis. Mirrett S, et al. **Chemotherapy** 1980;26(6):436–45

Alpha and non–haemolytic streptococcal bacteraemia. Panigrahi D, et al. **Indian J Med Res** 1981 Feb;73:167–72

Adhesion of Streptococcus pneumoniae to human pharyngeal epithelial cells in vitro: differences in adhesive capacity among strains isolated from subjects with otitis media, septicemia, or meningitis or from healthy carriers. Andersson B, et al. **Infect Immun** 1981 Apr;32(1):311–7

Colicin V production by clinical isolates of Escherichia coli. Davies DL, et al. **Infect Immun** 1981 Feb;31(2):574–9

Evaluation of the four–hour Micro–ID technique for direct identification of oxidase–negative, Gram–negative rods from blood cultures. Appelbaum PC, et al. **J Clin Microbiol** 1980 Oct;12(4):533–7

Rapid method for identification of group B streptococci in neonatal blood cultures. Holmes RL, et al. **J Clin Microbiol** 1981 Feb;13(2):279–82

Unique temperature–sensitive nutritional requirements of bacteremic Escherichia coli isolates. Welch WD, et al. **J Clin Microbiol** 1981 Mar;13(3):606–8

Bacteraemia due to a rifampicin–resistant strain of Bacteroides fragilis. Bullock DW, et al. **J Clin Pathol** 1981 Jan;34(1):87–9

Relation of virulence of Escherichia coli in septicemia and urinary tract infection to temperature–sensitive growth in minimal medium. Spurgeon L, et al. **J Infect Dis** 1980 Nov; 142(5):773

Resistance to cadmium, arsenate and mercury among Danish strains of Staphylococcus aureus isolated from cases of bacteriaemia, 1957–74. Rosdahl VT, et al. **J Med Microbiol** 1980 Aug;13(3):383–91

Oxacillin–tolerant staphylococcal bacteremia in children [letter] Kim KS. **J Pediatr** 1981 Jan;98(1):170

Vibrio cholerae meningitis in a neonate. Rubin LG, et al. **J Pediatr** 1981 Jun;98(6):940–2

Bacteremia: host–specific lung clearance and pulmonary failure. Crocker SH, et al. **J Trauma** 1981 Mar;21(3):215–20

Haemophilus influenzae type C meningitis with sepsis. Drayna CJ. **JAMA** 1980 Sep 26;244(13):1476

Aeromonas hydrophila bacteraemia in haematological patients. Cordingley FT, et al. **Med J Aust** 1981 Apr 4; 1(7):364–5

The bacteremic patient as a source of infection [letter] Casey JI, et al. **N Engl J Med** 1981 Sep 3;305(10):582–3

Pasteurella multocida septicemia and peritonitis in a cirrhotic cock trainer with a pet pig [letter] Patton F, et al. **N Engl J Med** 1980 Nov 6;303(19):1126–7

Bacteriological aspects of a case of Brucella suis infection. Garner JG, et al. **NZ Med J** 1981 Jan 14;93(675):8–9

Hospital infections in Port Moresby General Hospital: studies in special care nursery. Bhattacharya P. **Papua New Guinea Med J** 1979;22(2):113–9

Meningitis and bacteraemia due to Listeria monocytogenes in compromised hosts. Maayan MC, et al. **Postgrad Med J** 1981 Feb;57(664):77–9

Pasteurella ureae septicaemia. A case report. Maritz FJ, et al. **S Afr Med J** 1981 Jan 10;59(2):53–4

Shigella and shigellaemia. De Mol P, et al. **Scand J Infect Dis** 1981;13(1):75–7

Isolation of non–fermenting gram negative bacteria from clinical specimens and their antibiograms. Tsai SJ, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Mar;80(3):310–21

Evaluation of blood cultures following laparoscopy. Iwamura K, et al. **Tokai J Exp Clin Med** 1980 Jul;5(3):323–27

Yersinia pseudotuberculosis septicemia. Report of a case. Chong Y, et al. **Yonsei Med J** 1980;21(1):75–9

[Usefulness of micro–organism counts in positive haemocultures (author's transl)] Mantz JM, et al. **Nouv Presse Med** 1981 Jul 11–25;10(30):2489–90 (Eng. Abstr.) (Fre)

[Yersinia enterocolitica septicemia. Apropos of 1 case] Imhoof B, et al. **Schweiz Med Wochenschr** 1980 Jul 19; 110(29):1115–7 (Fre)

[Cardiobacterium hominis septicemia (author's transl)] Detton E, et al. **Sem Hop Paris** 1981 Jan 18–25; 57(3–4):178–80 (Eng. Abstr.) (Fre)

[Septicemia caused by gram–negative bacteria; its evolution, antibiotic therapy and immunological factors] Ben Redjeb SB, et al. **Tunis Med** 1980 Jan–Apr;58(1–2):444–7 (Eng. Abstr.) (Fre)

[Pathogenic spectrum for septicemia, 1974–1980 (letter)] Shah PM, et al. **Dtsch Med Wochenschr** 1981 Apr 3; 106(14):445–6 (Ger)

[Chronic Meningococcemia––case report and pathogenetic discussions (author's transl)] Horbach I, et al. **Immun Infekt** 1981 Apr;9(2):56–9 (Eng. Abstr.) (Ger)

[Clinical differentiation between idiopathic respiratory distress, neonatal septicemia caused by group B streptococci and septicemia caused by other pathogens (author's transl)] Roos R, et al. **Infection** 1980;8 Suppl 3:321–6 (Eng. Abstr.) (Ger)

[Clinical aspects and diagnosis of benign gonococcal septicemia] Meyer J, et al. **Z Aerztl Fortbild (Jena)** 1979 Nov 15;73(22):1058–60 (Ger)

[Enteric infections by Salmonella: occurrence of positive blood cultures, positive urine cultures and high antibody titres (author's transl)] Maretić Z, et al. **Zentralbl Bakteriol [A]** 1981;249(2):215–9 (Eng. Abstr.) (Ger)

[Bacteremia due to Flavobacterium meningosepticum. Clinical and bacteriological aspects of patients (author's transl)] Igari J, et al. **Kansenshogaku Zasshi** 1980 Aug; 54(8):396–401 (Eng. Abstr.) (Jpn)

[Clinical and bacteriological aspects of Serratia septicemia (author's transl)] Igari J, et al. **Kansenshogaku Zasshi** 1980 Sep;54(9):425–31 (Jpn)

[Bacteremia at Ullvål Hospital 1977–1979. Types of bacteria and antibiotic sensitivity] Maeland A. **Tidsskr Nor Laegeforen** 1981 Aug;101(23):1284–6 (Eng. Abstr.) (Nor)

[Pulmonary edema associated with Pseudomonas neonatal sepsis (author's transl)] Krauel J, et al. **An Esp Pediatr** 1980 Nov;13(11):965–70 (Eng. Abstr.) (Spa)

[Section of clinicopathological sessions in the Hospital Infantil de México] **Bol Med Hosp Infant Mex** 1980 Nov–Dec;37(6):1267–77 (Spa)

[Shigella bacteremia. Report of three cases] Pérez Trallero E, et al. **Med Clin (Barc)** 1981 Mar 10;76(5):230–2 (Eng. Abstr.) (Spa)

[Bacteremia and sepsis due to Streptococcus agalactiae. Study of eight cases (author's transl)] Sánchez Ariõ MA, et al. **Med Clin (Barc)** 1980 Sep 25;75(5):196–8 (Eng. Abstr.) (Spa)

[2 cases of Flavobacterium meningosepticum infection in a neonatology ward] Borda N, et al. **Medicina (B Aires)** 1980 Mar–Apr;40(2):183–6 (Eng. Abstr.) (Spa)

MORTALITY

Fatal streptococcal septicaemia. Cruickshank JG, et al. **Br Med J [Clin Res]** 1981 Jun 13;282(6280):1944–5

Bloodstream infections and perinatal mortality. Hurley R, et al. **J Clin Pathol** 1981 Mar;34(3):271–6

Cerebral oedema in fatal meningococcaemia [letter] Conner WT, et al. **Lancet** 1980 Nov 1;2(8201):967–9

[Analysis of causes of death in patients with severe burns (author's transl)] Wegener K, et al. **Unfallheilkunde** 1980 Nov;83(11):562–70 (Eng. Abstr.) (Ger)

[Septicemia in the operated newborn (author's transl)] Höllwarth M, et al. **Z Kinderchir Grenzgeb** 1980 May; 30(1):57–9 (Ger)

[Information and vaccination after splenectomy––follow–up of deaths due to pneumococcal septicemia] Jakobsson B, et al. **Lakartidningen** 1981 May 20;78(21):2148–50 (Eng. Abstr.) (Swe)

OCCURRENCE

Increasing incidence of neonatal septicemia: causative organism and predisposing risk factors. Bennet R, et al. **Acta Paediatr Scand** 1981 Mar;70(2):207–10

A half century of neonatal sepsis at Yale: 1928 to 1978. Freedman RM, et al. **Am J Dis Child** 1981 Feb;135(2):140–4

Pneumococcal bacteremia in Charleston County, South Carolina. Filice GA, et al. **Am J Epidemiol** 1980 Dec; 112(6):828–35

Nosocomial bloodstream infections in a newborn intensive care unit: a case–matched control study of morbidity, mortality and risk. Townsend TR, et al. **Am J Epidemiol** 1981 Jul;114(1):73–80

Nosocomial bacteremia. An epidemiologic overview. Maki DG. **Am J Med** 1981 Mar;70(3):719–32

Bacteriaemia and bacteriogenic shock in district hospital urological practice. Robinson MR, et al. **Br J Urol** 1980 Feb;52(1):10–4

An extensive outbreak of Klebsiella pneumoniae bacteremias from in–use contamination of I.V. bottles. Koopman JS, et al. **Bull Pan Am Health Organ** 1980;14(2):185–92

Bacteremia in a small non–urban community hospital. Wilson CB, et al. **J Fam Pract** 1981 Jan;12(1):37–41

'The wheel within a wheel': meningococcal trends [editorial] Counts GW, et al. **JAMA** 1980 Nov 14;244(19):2200–1

Meningococcal disease in New York City, 1973 to 1978. Recognition of groups y and W–135 as frequent pathogens. Galaid EI, et al. **JAMA** 1980 Nov 14;244(19):2167–71

[Epidemiology of nosocomial septicemia (author's transl)] Daschner F. **MMW** 1981 Apr 17;123(16):658–62 (Eng. Abstr.) **(Ger)**

[Frequency of occurrence of postextraction bacteremia] Rajchert-Trzpil M, et al. **Czas Stomatol** 1980 Dec; 33(12):1077–86 (Eng. Abstr.) **(Pol)**

[Experience with registration of purulent-septic diseases in newborn infants] Shutova AP, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Oct;(10):48–51 (Eng. Abstr.) **(Rus)**

[Epidemiology of bacteremia in intensive care units] Molina Illán J, et al. **Rev Clin Esp** 1980 Nov 30;159(4):275–9 (Eng. Abstr.) **(Spa)**

PATHOLOGY

[OPSI—a case of sepsis with a serious course] Freund M, et al. **Internist (Berlin)** 1981 Mar;22(3):175–9 **(Ger)**

[Sepsis in children according to Perm autopsy data] Veksler DB. **Arkh Patol** 1980;42(7):39–43 (Eng. Abstr.) **(Rus)**

[Septicopyemic form of acute hematogenic osteomyelitis in children] Prutovykh NN, et al. **Khirurgiia (Mosk)** 1980 Nov;(11):52–6 **(Rus)**

[Thrombocyte ultrastructure i neonatal staphylococcal sepsis] Pavlenishvili IV. **Pediatriia** 1980 Aug;(8):30–2 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Pulmonary vascular reactions in experimental septicemia, A preliminary report. Haglund U, et al. **Acta Chir Scand [Suppl]** 1980;Suppl 499:31–43

Blood-brain barrier derangement in sepsis: cause of septic encephalopathy? Jeppsson B, et al. **Am J Surg** 1981 Jan; 141(1):136–42

Does reduced colloid oncotic pressure increase pulmonary dysfunction in sepsis? Kohler JP, et al. **Crit Care Med** 1981 Feb;9(2):90–3

Hypoxia of canine gastric mucosa caused by Escherichia coli sepsis and prevented with methylprednisolone therapy. Payne JG, et al. **Gastroenterology** 1981 Jan;80(1):84–93

Influence of opsonic fibronectin deficiency on lung fluid balance during bacterial sepsis. Niehaus GD, et al. **J Appl Physiol** 1980 Oct;49(4):693–9

Sepsis reduces the threshold hydrostatic pressure necessary for pulmonary edema in baboons. Kohler JP, et al. **J Surg Res** 1981 Feb;30(2):129–34

Spectrum of cardiovascular function during gram-negative sepsis. Hess ML, et al. **Prog Cardiovasc Dis** 1981 Jan–Feb; 23(4):279–98 (123 ref.)

The circulatory effects of an acute infusion of anaerobes in a rabbit model. O'Donnell TF Jr, et al. **Surg Gynecol Obstet** 1980 Dec;151(6):735–9

Acute septicaemic melioidosis: a report of seven cases. Puthucheary SD, et al. **Trop Geogr Med** 1981 Mar; 33(1):19–22

[Increased vascular permeability during endotoxinemia in child (author's transl)] Kahn A, et al. **Ann Pediatr (Paris)** 1981 Jan;28(1):59–61 (Eng. Abstr.) **(Fre)**

[Increased vascular permeability during endotoxinemia in the child (author's transl)] Kahn A, et al. **Pathol Biol (Paris)** 1980 Sep;28(7):449–51 (Eng. Abstr.) **(Fre)**

[Thrombopoiesis and blood coagulation in pediatric patients with septicemia (author's transl)] Mitterstieler G, et al. **Paediatr Padol** 1981;16(2):257–65 (Eng. Abstr.) **(Ger)**

[Relation of the functional disorder of external respiration to cholinesterase deficiency in burn patients in the septicotoxemia stage] Grigor'ev MG, et al. **Ortop Travmatol Protez** 1980 Sep;(9):10–4 (Eng. Abstr.) **(Rus)**

[External respiration, basal metabolism and acid-base equilibrium in severe suppurative infection and sepsis] Mal'chenko VE, et al. **Ter Arkh** 1981;53(2):103–6 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Modification of endoscopic retrograde cholangiopancreatography (ERCP) septic complications by the addition of an antibiotic to the contrast media. Randomized controlled investigation. Collen MJ, et al. **Am J Gastroenterol** 1980 Dec;74(6):493–6

Immunization against nosocomial infection. Braude AI, et al. **Am J Med** 1981 Feb;70(2):463–6

A comparative study of polyantibiotic and iodophor ointments in prevention of vascular catheter-related infection. Maki DG, et al. **Am J Med** 1981 Mar; 70(3):739–44

Prophylactic granulocyte transfusions during chemotherapy of acute nonlymphocytic leukemia. Winston DJ, et al. **Ann Intern Med** 1981 May;94(5):616–22

Elective cholecystectomy. The role of biliary bacteriology and administration of antibiotics. Farnell MB, et al. **Arch Surg** 1981 May;116(5):537–40

Heterotropic splenic autotransplantation in the prevention of Haemophilus influenza meningitis and fatal sepsis in Sprague-Dawley rats. Moxon ER, et al. **Blood** 1980 Nov; 56(5):842–5

Prophylactic use of metronidazole in preventing wound sepsis after elective cholecystectomy. Halsall AK, et al. **Br J Surg** 1980 Aug;67(8):551–2

Povidone-iodine antisepsis for transrectal prostatic biopsy. Rees M, et al. **Br Med J** 1980 Sep 6;281(6241):650

Vaccination-Associated relapse of immune thrombocytopenia. Kelton JG. **JAMA** 1981 Jan 23–30; 245(4):369–70

Changing subclavian haemodialysis cannulas to reduce infection [letter] Uldall PR, et al. **Lancet** 1981 Jun 20; 1(8234):1373

Protection against pneumococcal bacteremia by partial splenectomy. Greco RS, et al. **Surg Gynecol Obstet** 1981 Jan;152(1):67–9

[Incidence of bacteremia in heart catheterization: results of a prospective study on the prevention of endocarditis with cefazoline versus placebo] Rieder H, et al. **Schweiz Med Wochenschr** 1980 Aug 30;110(35):1273–7 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

CT demonstration of septic thrombosis of the inferior vena cava. Schmitz L, et al. **J Comput Assist Tomogr** 1981 Apr; 5(2):259–61

Septic Discitis. McCain GA, et al. **J Rheumatol** 1981 Jan–Feb;8(1):100–9

[Diagnostic value of computerized tomography in severe renal tissue infections (author's transl)] Soubrier F, et al. **Nouv Presse Med** 1981 Jan 31;10(4):243–6 (Eng. Abstr.) **(Fre)**

RADIONUCLIDE IMAGING

Aortoiliac-graft infection. Detection by leukocyte scan. Stevick CA, et al. **Arch Surg** 1981 Jul;116(7):939–42

SURGERY

Surgical management of burn wound sepsis. Parks DH, et al. **Surg Gynecol Obstet** 1981 Sep;153(3):374–6

THERAPY

Traumatic asplenia in adults: a defined hazard? Dickerman JD. **Arch Surg** 1981 Mar;116(3):361–3

The control of burn wound sepsis. MacMillan BG. **Intensive Care Med** 1981 Jan;7(2):63–9

Granulocyte transfusions for neonatal sepsis [letter] Sacher RA, et al. **J Pediatr** 1981 Aug;99(2):337–8

Granulocyte transfusion therapy: survival directly correlated with bone marrow recovery and the pathogenicity of the infectious organisms. Congdon JE, et al. **Milit Med** 1981 Jun;146(6):393–6

Exchange transfusion for severe neonatal septicemia [letter] Bossi E, et al. **Pediatrics** 1981 Jun;67(6):941

Role of exchange transfusion in the treatment of severe septicemia. Vain NE, et al. **Pediatrics** 1980 Nov;66(5):693–7

Pepsin-treated human gamma globulin in bacterial infections. A randomized study in patients with septicaemia and pneumonia. Lindquist L, et al. **Vox Sang** 1981 May; 40(5):329–37

[Use of exchange in transfusion in septicemia of the newborn infant] Belohradsky BH, et al. **Monatsschr Kinderheilkd** 1981 May;129(5):307–8 **(Ger)**

[Usefulness of exchange transfusions in the treatment of septicemia complicated by intravascular coagulation in newborn infants] Norska-Borówka I, et al. **Pediatr Pol** 1980 Aug;55(8):943–9 (Eng. Abstr.) **(Pol)**

[Treatment of septico-pyemic lung abscesses] Lukomskiĭ GI, et al. **Grudn Khir** 1981 Mar-Apr;(2):40–3 (Eng. Abstr.) **(Rus)**

[Treatment of septic states in surgery] Dubitskiĭ AE, et al. **Klin Khir** 1981 Jan;(1):53 **(Rus)**

[Mechanisms of the effectivenes of blood transfusion with burn patients at the stage of septicotoxemia] Beliakov VA, et al. **Probl Gematol Pereliv Krovi** 1980 Oct;25(10):60–1 **(Rus)**

[Organization of treatment services for patients with sepsis] Lezhava GG, et al. **Ter Arkh** 1981;53(4):100–2 **(Rus)**

[Parenteral nutrition in the septic patient. Modification of plasma lipid and carbohydrate levels induced by different regimens] Cambronero Galache JA, et al. **Rev Clin Esp** 1980 Nov 15;159(3):189–94 (Eng. Abstr.) **(Spa)**

TRANSMISSION

Risks from cannulae used to maintain intravenous access [letter] **Br Med J [Clin Res]** 1981 May 9;282(6275):1549–50

URINE

Urinary excretion of 3-methylhistidine: an assessment of muscle protein catabolism in adult normal subjects and during malnutrition, sepsis, and skeletal trauma. Long CL, et al. **Metabolism** 1981 Aug;30(8):765–76

VETERINARY

Detection of bacteremia in cattle inoculated with bovine viral diarrhea virus. Reggiardo C, et al. **Am J Vet Res** 1981 Feb;42(2):218–21

Corynebacterium pseudotuberculosis bacteremia in two horses. Brumbaugh GW, et al. **J Am Vet Med Assoc** 1981 Feb 1;178(3):300–1

Lamb survival [letter] Haig G. **Vet Rec** 1981 Feb 28; 108(9):195

Synovial fluid. Coffman J. **VM SAC** 1980 Sep;75(9):1403–6

Streptococcus zooepidemicus as the cause of septicemia in racing greyhounds. Sundberg JP, et al. **VM SAC** 1981 Jun; 76(6):839–42

SEPTUM PELLUCIDUM

Septal stimulation on painful and symbolic stress. Experimental study. Broseta J, et al. **Acta Neurochir [Suppl] (Wien)** 1980;(30):275–7

Intracranial midline cyst in association with myelodysplasia. Findler G, et al. **Neurosurgery** 1980 Nov;7(5):521–4

The cavum septi pellucidi: its appearance and incidence with cranial ultrasonography in infancy. Farruggia S, et al. **Radiology** 1981 Apr;139(1):147–50

[Fornix and septal tumor (author's transl)] Laine E, et al. **Neurochirurgie** 1980;26(4):247–78 (Eng. Abstr.) **(Fre)**

[Corpus callosum agenesia combined with a cyst in the pellucid septum (author's transl)] Odenthal J, et al. **Klin Paediatr** 1980 Nov;192(6):547–50 (Eng. Abstr.) **(Ger)**

ABNORMALITIES

Septo-optic dysplasia in an infant of a diabetic mother. Donat JF. **Arch Neurol** 1981 Sep;38(9):590–1

[Septo-optic dysplasia: clinical study and elements of genetic counseling] Landrieu P, et al. **J Genet Hum** 1979 Dec; 27(4):329–41 (Eng. Abstr.) **(Fre)**

[Septo-optic dysplasia with congenital hypopituitarism (author's transl)] von Petrykowski W, et al. **Klin Paediatr** 1980 Jul;192(4):336–41 (Eng. Abstr.) **(Ger)**

ANATOMY & HISTOLOGY

Origin of brain stem and temporal cortical afferent fibers to the septal region in the squirrel monkey. Krayniak PF, et al. **Exp Neurol** 1981 Apr;72(1):113–21

[Shape and size of the corpus callosum and the septum pellucidum] Lang J, et al. **Gegenbaurs Morphol Jahrb** 1980; 126(6):949–58 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

Biochemical specificity of septal hyperreactivity: a behavioral discrimination. Chafetz MD, et al. **Behav Brain Res** 1981 May;2(3):409–20

Response of medial septal neurons to the iontophoretic application of glucocorticoids. Papir-Kricheli D, et al. **Exp Neurol** 1981 Sep;73(3):801–11

Neurophysiological evidence for tolerance and dependence on opiates: simultaneous multiunit recordings from septum, thalamus, and caudate nucleus. Dafny N. **J Neurosci Res** 1980;5(4):339–49

PATHOLOGY

[Dysplasia opticoseptalis] Cagianut B, et al. **Klin Monatsbl Augenheilkd** 1980 Apr;176(4):699–703 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Septal lesions and reversal learning in dogs. Dąbrowska J. **Acta Neurobiol Exp (Warsz)** 1980;40(1):67–83

Influence of rearing conditions on the acquisition of the two-way active avoidance responses by rats septalectomized at an early age. Eclancher F, et al. **Behav Brain Res** 1981 Jul;3(1):83–98

The septal forebrain and the inhibitory modulation of attack and defense in the rat. A review. Albert DJ, et al. **Behav Neural Biol** 1980 Dec;30(4):357–88 (192 ref.)

Punishment-induced suppression and the occurrence of behavioral contrast in rats with septal lesions. Caplan M, et al. **Behav Neural Biol** 1980 Nov;30(3):278–91

Sympathohippocampal sprouting is directed by a target tropic factor. Crutcher KA, et al. **Brain Res** 1980 Jan 21; 204(2):410–4

Electrical stimulation of the septal area in the rat: prolonged suppression of water intake and correlation with self-stimulation. Gordon FJ, et al. **Brain Res** 1981 Feb 16; 206(2):421–30

Connections of the hypothalamic paraventricular nucleus with the neurohypophysis, median eminence, amygdala, lateral septum and midbrain periaqueductal gray: an electrophysiological study in the rat. Pittman QJ, et al. **Brain Res** 1981 Jun 29;215(1–2):15–28

A substance P projection to the hippocampus. Vincent SR, et al. **Brain Res** 1981 Jun 29;215(1–2):349–51

Forebrain norepinephrine and serotonin concentrations and cardiac conditioning in normal rabbits and rabbits with septal lesions. Hernández LL, et al. **Brain Res Bull** 1981 Jun;6(6):479–86

Hippocampal potentials evoked by stimulation of olfactory basal forebrain and lateral septum in the rat. Overmann SR, et al. **Brain Res Bull** 1980 Jul-Aug;5(4):437–49

Effects of neonatal septal lesions on reproductive behavior of male and female rats. McGinnis MY, et al. **Horm Behav** 1980 Sep;14(3):191–203

The septohippocampal cholinergic system and classical conditioning of the rabbit's nictitating membrane response. Solomon PR, et al. **J Comp Physiol Psychol** 1981 Apr; 95(2):322–30

Recovery of delayed alternation in rats after lesions in medial frontal cortex and septum. Thomas GJ, et al. **J Comp Physiol Psychol** 1980 Oct;94(5):808–18

Septal correlates of conditioned inhibition and excitation in rats. Yadin E, et al. **J Comp Physiol Psychol** 1981 Apr;

95(2):331–40

Electrophysiological responses of neurons of the ventral tegmental area to electrical stimulation of amygdala and lateral septum. Maeda H, et al. **Neuroscience** 1981; 6(3):367–76

Septal driving of hippocampal theta rhythm: a role for gamma-aminobutyrate in the effects of minor tranquillizers? Mellanby J, et al. **Neuroscience** 1981; 6(7):1412–21

Acetylcholine levels increase in rat hippocampus following acute septal lesions: evidence for interactions between cholinergic and noncholinergic neurons. Oderfeld-Nowak B, et al. **Neuroscience** 1980;5(10):1699–703

Biochemical evidence for glutamate as a transmitter in hippocampal efferents to the basal forebrain and hypothalamus in the rat brain. Walaas I, et al. **Neuroscience** 1980;5(10):1691–8

An investigation of whether septal gamma-aminobutyrate-containing interneurons are involved in the reduction in the turnover rate of acetylcholine elicited by substance P and beta-endorphin in the hippocampus. Wood PL, et al. **Neuroscience** 1979; 4(10):1479–84

Hyperreactivity following temporary chemical lesions in the region ventral to the anterior septum but not in the anterior olfactory nucleus, the lateral olfactory tract, or the olfactory bulb. Albert DJ. **Physiol Behav** 1980 Sep; 25(3):481–3

Septal lesions and avoidance behavior: genetic, neurochemical and behavioral considerations. Donovick PJ, et al. **Physiol Behav** 1981 Mar;26(3):495–507

Behavioral symptoms following serial or simultaneous septal-forebrain lesions: similar syndromes. Fass B, et al. **Physiol Behav** 1980 Nov;25(5):683–90

Interaction between the lateral hypothalamic area (LHA) and the medial septal area (MSA) in the control of sodium and potassium excretion in rats. Franci CR, et al. **Physiol Behav** 1980 Dec;25(6):801–6

Reductions in aggression and dominance status in guinea pigs following bilateral lesions in the basolateral amygdala or lateral septum. Levinson DM, et al. **Physiol Behav** 1980 Dec;25(6):963–71

Effects of anteroventral septal lesions on intraspecific aggression in male hamsters. Potegal M, et al. **Physiol Behav** 1981 Mar;26(3):407–12

Electrical activity of the amygdala and the septum of rats on a high fat or a high protein diet. Košta K, et al. **Physiol Bohemoslov** 1981;30(3):237–42

Effects of dorsal septal lesions in female rats: shock-induced behaviour, nutrition, and plasma corticosterone. Golda V, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1980;23(2):173–84

[Effect of disruption of connections between the septum and hippocampus on the organization of cortical potentials and conditioned reflex elaboration] Korinevskaia IV. **Zh Vyssh Nerv Deiat** 1981;31(2):415–8 **(Rus)**

RADIOGRAPHY

Cysticercotic cyst of the septum pellucidum. Dublin AB, et al. **AJNR** 1980 Mar-Apr;1(2):205–6

Age related incidence of cavum septi pellucidi and cavum vergae on CT scans of pediatric patients. Nakano S, et al. **J Comput Assist Tomogr** 1981 Jun;5(3):348–9

SERGOSIN see METHIODAL

SERIAL EXTRACTION

[Effect of treatment with extractions of 4 first molars on vertical dimension] Canal P, et al. **Orthod Fr** 1979;50:471–8 **(Fre)**

[Treatment of class III malocclusion by extraction of the lower first molars] Maj G, et al. **Orthod Fr** 1979;50:460–70 (Eng. Abstr.) **(Fre)**

[Cephalometric study of 12 treated cases using Begg's technic with extraction of 4 first molars] Palot C. **Orthod Fr** 1979; 50:743–50 (Eng. Abstr.) **(Fre)**

[Therapeutic repercussions of cephalometric analysis] Vaugeois M, et al. **Orthod Fr** 1980;51:139–45 **(Fre)**

[Results of treatment of prognathism by serial tooth extraction] Czarnecka B, et al. **Czas Stomatol** 1980 Mar; 33(3):253–9 (Eng. Abstr.) **(Pol)**

SERIAL LEARNING

Perceptual isolation and position judgment. Lippman LG. **Am J Psychol** 1980 Dec;93(4):683–95

Contextual effects on the short-term memory retrieval of schizophrenic young adults. Marusarz TZ, et al. **J Abnorm Psychol** 1980 Dec;89(6):683–96

Serial probe recognition performance by a rhesus monkey and a human with 10- and 20-item lists. Sands SF, et al. **J Exp Psychol [Anim Behav]** 1980 Oct;6(4):386–96

Comparison of performance of eight-year-old children on three auditory sequential memory tests. Chermak GD, et al. **Percept Mot Skills** 1981 Jun;52(3):879–82

Meaningfulness and isolation effect for normal and retarded subjects. Gabassi PG. **Percept Mot Skills** 1981 Apr; 51(2):595–8

Differences in visual analysis and sequence memory of skilled and poor readers. Gildemeister JE, et al. **Percept Mot Skills** 1980 Dec;51(3 Pt 1):852

PHYSIOLOGY

Effects of evoked spike-wave discharges upon short term memory in patients with epilepsy. Hutt SJ, et al. **Cortex** 1980 Oct;16(3):445–57

Laterality and recency effects in working memory. Kirsner K, et al. **Neuropsychologia** 1981;19(2):249–61

P300 in serial tasks: an essential post-decision closure mechanism. Desmedt JE. **Prog Brain Res** 1980;54:682–6

SERINE

Peptic peptide of thiolsubtilisin. Analytical evidence for the chemical transformation of the essential serine-221 to cysteine-221. László P, et al. **Biochim Biophys Acta** 1981 Feb 27;667(2):351–4

The structure of hemoglobin Creteil (beta 89 Ser replaced by Asn) is similar to that of abnormal human hemoglobins having sequence changes at Tyr 145 beta. Arnone A, et al. **J Biol Chem** 1981 Aug 25;256(16):8545–52

ANALOGS & DERIVATIVES

Antibacterial effect of scandium and indium complexes of enterochelin on Klebsiella pneumoniae. Rogers HJ, et al. **Antimicrob Agents Chemother** 1980 Jul;18(1):63–8

Iron uptake in pseudorevertants of Escherichia coli K-12 mutants with multiple defects in the enterochelin system. Pickett CL, et al. **Arch Microbiol** 1981 Feb;128(4):360–4

Non-hydrolytic release of iron from ferrienterobactin analogs by extracts of Bacillus subtilis. Lodge JS, et al. **Biochem Biophys Res Commun** 1980 Dec 31;97(4):1291–5

Serine phosphate, threonine phosphate and gamma-carboxyglutamic acid in normal and experimentally induced, pathologically calcified rat skin (topical cutaneous calciphylaxis). Glimcher MJ, et al. **Calcif Tissue Int** 1981; 33(2):185–90

Synthesis of a glycotripeptide and a glycosomatostatin containing the 3-O-(2-acetamido-2-deoxy-beta-D-glucopyranosyl)-L-s residue. Lavielle S, et al. **Carbohydr Res** 1981 Mar 2; 89(2):229–36

Therapy of malignant hamster insulinomas with monoamine precursors. Feldman JM, et al. **Diabetologia** 1981 Feb; 20(2):148–54

Sequences of sixteen phosphoserine peptides from ovalbumins of eight species. Henderson JY, et al. **Eur J Biochem** 1981 Feb;114(2):439–50

Bacteriophage Mu-mediated gene transposition and in vitro cloning of the enterochelin gene cluster of Escherichia coli. Laird AJ, et al. **Gene** 1980 Nov;11(3–4):347–57

Tn5 mutagenesis of the enterochelin gene cluster of Escherichia coli. Laird AJ, et al. **Gene** 1980 Nov; 11(3–4):359–66

Specific inhibition of Escherichia coli ferrienterochelin uptake by a normal human serum immunoglobulin. Moore DG, et al. **Infect Immun** 1981 Feb;31(2):631–5

Stereospecificity of the ferric enterobactin receptor of Escherichia coli K-12. Neilands JB, et al. **J Biol Chem** 1981 Apr 25;256(8):3831–2

Synthetic enterobactin analogues. Carboxamido-2,3-dihydroxyterephthalate conjugates of spermine and spermidine. Weitl FL, et al. **J Med Chem** 1981 Feb;24(2):203–6

Tricatecholamide analogs of enterobactin as gallium- and indium-binding radiopharmaceuticals. Moerlein SM, et al. **J Nucl Med** 1981 Aug;22(8):710–9

[The anticancer and pharmacologic study of oxalysine (author's transl)] Yue XF, et al. **Yao Hsueh Hsueh Pao** 1980 Jul;15(7):391–5 (Eng. Abstr.) **(Chi)**

[A simple method for detecting phosphoserine and phosphothreonine in proteins (author's transl)] Sanecka-Obacz M, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 1979;34:47–52 **(Pol)**

[Enterobacterial sensitivity to colicins in the presence of enterochelin] Nazaruk MI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Sep;(9):70–4 (Eng. Abstr.) **(Rus)**

BLOOD

Nitrogen economy and the metabolism of serine and glycine in reticulocytes of rabbits. Rapoport S, et al. **Eur J Biochem** 1980 Jul;108(2):449–55

METABOLISM

The metabolism of serine and glycine in mutant lines of Chinese hamster ovary cells. Pfendner W, et al. **Arch Biochem Biophys** 1980 Apr 1;200(2):503–12

Changes in the serine-specific transfer ribonucleic acid pattern of guinea pig epidermis after corticosteroid treatment. Schwarz E, et al. **Arch Dermatol Res** 1980; 269(2):153–9

Liver enzymes of serine metabolism during neonatal development of the rat. Snell K. **Biochem J** 1980 Aug 15; 190(2):451–5

Role of the glycine-cleavage system in glycine and serine metabolism in various organs. Kikuchi G, et al. **Biochem Soc Trans** 1980 Oct;8(5):504–6

Effects of halothane on the incorporation of [14C]-serine into phospholipid in the guinea-pig ileum. Paton WD, et al. **Br J Pharmacol** 1981 Mar;72(3):393–400

Evidence against the participation of lipid intermediates in the in vitro biosynthesis of serine(threonine)-N-acetyl-D-galactosamine linkages in submaxillary mucin. Babczinski P. **FEBS Lett** 1980 Aug 11;117(1):207–11

Serine proteases as mediators of radiographic contrast media toxicity. Schulze B. **Invest Radiol** 1980 Nov-Dec;15(6 Suppl):S18–20

Serine utilization by Klebsiella aerogenes. Vining LC, et al. **J Bacteriol** 1981 May;146(2):647–55

Hydroxyamino acid utilization and alpha-ketobutyrate toxicity in Pseudomonas cepacia. Wong HC, et al. **J Bacteriol** 1980 Oct;144(1):441–3

Anaerobic glucose and serine metabolism in Staphylococcus epidermidis. Sivakanesan R, et al. **J Gen Microbiol** 1980 May;118(Pt 1):143–57

A mutation affecting L-serine and energy metabolism in E. coli K12. Newman EB, et al. **MGG** 1981;182(1):143–7

Inhibition of serine metabolism by tetrahydrohomofolate in L1210 mouse leukemia cells. Scanlon KJ, et al. **Mol Pharmacol** 1981 May;19(3):481–90

Serine activation is the rate limiting step of tRNASer aminoacylation by yeast seryl tRNA synthetase. Dibbelt L, et al. **Nucleic Acids Res** 1980 Sep 11;8(17):4021–39

Nitrate respiration of Klebsiella pneumoniae on amino acids, especially on serine. Kikuchi S, et al. **Z Allg Mikrobiol** 1980;20(6):405–13

PHARMACODYNAMICS

Comparison of the effects of central administration of serine and glycine on body temperature of the rabbit. Glyn JR, et al. **Brain Res Bull** 1980 Nov-Dec;5(6):661–5

Central administration of serine causes hypothermia and inhibits fever in rabbits. Glyn JR, et al. **Brain Res Bull** 1980 Nov-Dec;5(6):653–60

Effects of central administration of alanine on body temperature of the rabbit: comparisons with the effects of serine, glycine and taurine. Glyn JR, et al. **Brain Res Bull** 1981 Jun;6(6):467–72

Genetic and biochemical properties of Escherichia coli mutants with defects in serine chemotaxis. Hedblom ML, et al. **J Bacteriol** 1980 Dec;144(3):1048–60

Decrease of intracellular cystine content in cystinotic fibroblasts by inhibitors of gamma-glutamyl transpeptidase. Butler JD, et al. **J Biol Chem** 1981 May 10;256(9):4160–3

PHYSIOLOGY

Nerve growth factor zymogen. Stoichiometry of the active-site serine and role of zinc(II) in controlling autocatalytic self-activation. Young M, et al. **Biochemistry** 1980 Nov 11;19(23):5316–21

SERINE DEAMINASE see SERINE DEHYDRATASE

SERINE DEHYDRATASE

ANALYSIS

Pyridoxal-5'-deoxymethylenephosphonate reconstituted D-serine dehydratase: a phosphorus-31 nuclear magnetic resonance study. Schnackerz KD, et al. **Biochem Biophys Res Commun** 1980 Aug 29;95(4):1832–8

ANTAGONISTS & INHIBITORS

Inactivation of D-serine dehydratase by alkylamines via a transimination of enzyme-linked cofactor. Federiuk CS, et al. **J Biol Chem** 1981 Jul 25;256(14):7416–23

GENETICS

Genetic control of serine dehydratase and phosphoenolpyruvate carboxykinase in mice. Coleman DL. **Biochem Genet** 1980 Oct;18(9–10):969–79

ISOLATION & PURIFICATION

In vitro studies on L-serine deaminase activity of Escherichia coli K12. Newman EB, et al. **Can J Biochem** 1980 Nov; 58(11):1292–7

METABOLISM

Hormonal regulation of serine dehydratase activity in primary cultures of adult rat hepatocytes. Noda C, et al. **Biochem Biophys Res Commun** 1981 May 15;100(1):65–72

Map location of the ssd mutation in Escherichia coli K-12. Morris JF, et al. **J Bacteriol** 1980 Sep;143(3):1504–5

Serine utilization by Klebsiella aerogenes. Vining LC, et al. **J Bacteriol** 1981 May;146(2):647–55

Threonine and serine dehydratase activity in the buffalo liver-fluke Fasciola indica. Tandon RS, et al. **J Helminthol** 1980 Dec;54(4):259–62

SERINE HYDROXYMETHYLTRANSFERASE see under TRANSFERASES

SERINE PHOSPHOGLYCERIDES see PHOSPHATIDYLSERINES

SERODIAGNOSIS

A serosurvey of toxoplasmosis in Manitoba. Sekla L, et al. **Can J Public Health** 1981 Mar-Apr;72(2):111–7

Serology of tuberculosis [editorial] Coates AR.

Eur J Respir Dis 1980 Dec;61(6):307–9

Storing serum for retrospective diagnosis [editorial] Vaisrub S. **JAMA** 1980 Sep 19;244(12):1362

Laboratory diagnosis of Rocky Mountain spotted fever. Walker DH, et al. **South Med J** 1980 Nov;73(11):1443–6, 1449

[Application of the indirect immunofluorescence test to seroepidemiological surveys of malaria—results of indirect fluorescent antibody test of malaria from several different types of endemic areas (author's transl)] Wu KC. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1979;13(3):129–35 **(Chi)**

INSTRUMENTATION

[Use of tile plates with holes for carrying out rapid serological reactions] Bel'chenko VB, et al. **Lab Delo** 1981;(7):443–4 **(Rus)**

METHODS

Serological evidence of dengue fever in the Bangladesh Republic [letter] Gaidamovich SY, et al. **Acta Virol (Praha)** 1980 Mar;24(2):153

Antigen controlled immuno diagnosis— 'ACID test'. Müller G, et al. **J Immunol Methods** 1980;37(2):185–90

Frontiers in the serologic laboratory: alternative sources of routine reagents. Beck ML. **Prog Clin Biol Res** 1980; 43:291–303 (68 ref.)

Immunodiagnosis of recently acquired Schistosoma mansoni infection. A comparison of various immunological techniques. Deelder AM, et al. **Trop Geogr Med** 1981 Mar; 33(1):36–41

[Immunodiagnosis of cancer: requirements and results (author's transl)] Pasternak G, et al. **Arch Geschwulstforsch** 1980;50(3):230–7 (Eng. Abstr.) **(Ger)**

[Virological diagnostics of acute respiratory diseases] Schmidt J, et al. **Z Erkr Atmungsorgane** 1980;154(1):18–35 (Eng. Abstr.) **(Ger)**

[Spot test: use of a micromethod with whole blood in allergy diagnosis] Tassi GC, et al. **Boll Ist Sieroter Milan** 1980; 59(6):638–45 **(Ita)**

[Comparative evaluation of immunological methods of diagnosing kidney allograft rejection crises] Drannik GN, et al. **Urol Nefrol (Mosk)** 1981 Jul–Aug;(4):18–23 (Eng. Abstr.) **(Rus)**

[Comparative evaluation of several methods of diagnosing hepatitis A] Iasin AE, et al. **Vopr Virusol** 1981 Jan–Feb; (1):120–2 (Eng. Abstr.) **(Rus)**

[Serological diagnosis of erysipeloid] Chaĭkovskiĭ VT, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Sep;(9):109–10 **(Rus)**

[Aggregation of immune complexes and their use in serologic diagnosis] Saĭduldin TS. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Feb;(2):63–7 (Eng. Abstr.) **(Rus)**

STANDARDS

Assessment of laboratory improvement by the Center for Disease Control Diagnostic Immunology Proficiency Testing Program. Taylor RN, et al. **J Clin Microbiol** 1981 Feb;13(2):356–68

The cryopreservation of standard sera. Tosswill JH, et al. **J Clin Pathol** 1981 Jan;34(1):76–7

External quality control in blood transfusion serology: results from the Finnish proficiency testing programme in immunohaematology, 1976–1978. Rajamäki A, et al. **Scand J Clin Lab Invest** 1980 May;40(3):249–52

[Serological study on toxoplasmosis (author's transl)] Oniki S, et al. **Nippon Ganka Gakkai Zasshi** 1980 Sep 10; 84(9):1408–16 (Eng. Abstr.) **(Jpn)**

[20 years' work experience of the Central Institute for Dermatology Diseases of the Ministry of Public Health of the USSR in controlling and improving the quality of the serology laboratories of USSR dermatovenereology institutions] Ovchinnikov NM, et al. **Lab Delo** 1981; (2):120–2 **(Rus)**

VETERINARY

Serological cross reactivity in the diagnosis of bovine brucellosis in northern Australia [letter] Kirkman D, et al. **Aust Vet J** 1980 Feb;56(2):93

The use of the non-specific immunological factors, conglutinin, immunoconglutinin and heterophile antibody, in the serodiagnosis of bovine brucellosis. Mittal KR, et al. **J Hyg (Lond)** 1980 Jun;84(3):405–9

[Control of veterinary communicable diseases in swine and fattening cattle stocks by serological testing of slaughtered animal blood samples] Pannwitz S, et al. **Arch Exp Veterinaermed** 1981;35(1):19–30 (Eng. Abstr.) **(Ger)**

SEROLOGY

HISTORY

Forensic serology in the United States. I. Blood grouping and blood transfusion—Historical aspects. Camp FR Jr. **Am J Forensic Med Pathol** 1980 Mar;1(1):47–55

STANDARDS

External quality control in blood transfusion serology: results from the Finnish proficiency testing programme in immunohaematology, 1976–1978. Rajamäki A, et al. **Scand J Clin Lab Invest** 1980 May;40(3):249–52

SEROMUCOID see **OROSOMUCOID**

SEROSITIS

ETIOLOGY

Subcutaneous fat necrosis and polyserositis associated with acute pancreatitis. Henry CH, et al. **South Med J** 1981 Feb; 74(2):256–7

[Pericarditis and polyserositis in secondary tumorous lesions of the heart] Kulik AE. **Vrach Delo** 1980 Oct;(10):42–4 **(Rus)**

VETERINARY

Polyserositis and meningitis associated with Escherichia coli infection in piglets. Wilkie IW. **Can Vet J** 1981 May; 22(5):171–3

SEROTHERAPY

Immunization against nosocomial infection. Braude AI, et al. **Am J Med** 1981 Feb;70(2):463–6

Serotherapy of acute lymphoblastic leukemia with monoclonal antibody. Ritz J, et al. **Blood** 1981 Jul; 58(1):141–52

Serotherapy of a spontaneous mouse tumour. O'Neill GJ. **Br J Cancer** 1980 May;41(5):839–40

Adoptive transfer of antiviral resistance by lymphoid cells from mice protected against Friend leukemia virus-induced disease by passive serum therapy. Collins JJ, et al. **Cancer Res** 1981 Jun;41(6):2407–15

Administration of antisomatotropin serum in diabetes mellitus. Góth M, et al. **Endokrinologie** 1981;77(1):87–94

Effect of immune serum on the establishment of herpes simplex virus infection in trigeminal ganglia of hairless mice. Klein RJ. **J Gen Virol** 1980 Aug;49(2):401–5

Immunologic control of the ascites form of murine adenocarcinoma 755. IV. Characterization of the protective antibody in hyperimmune serum. Matthews TJ, et al. **J Immunol** 1981 Jun;126(6):2332–6

Immunologic control of the ascites form of murine adenocarcinoma 755. III. Efficacy of serum therapy is controlled by a single genetic locus. Roloson GJ, et al. **J Immunol** 1981 Jun;126(6):2328–31

Experimental model of serum therapy for metastasized rabbit transplantable tumors (inhibition of metastatic lesions and life-prolongation). Nakano K, et al. **Jpn J Surg** 1980 Jun; 10(2):173–8

Controlled trial of Pseudomonas immunoglobulin and vaccine in burn patients. Jones RJ, et al. **Lancet** 1980 Dec 13;2(8207):1263–5

Varicella-zoster immune globulin—United States. **MMWR** 1981 Jan 23;30(2):15–6, 21–3

Passive immunotherapy prevents expression of endogenous Moloney virus and amplification of proviral DNA in BALB/Mo mice. Nobis P, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3677–81

The integration of tumor associated antigens in cancer management. Leibel SA, et al. **Semin Oncol** 1981 Mar; 8(1):92–102 (40 ref.)

[Immunotherapy of Friend leukemia with antiserum (author's transl)] Lynn TC, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1980 Mar;13(1):94–104 (Eng. Abstr.) **(Chi)**

[3d National Symposium on Advances in Hemotherapy. Madrid, 2–3 May 1980] **Sangre (Barc)** 1980;25(5C):857–988 **(Mul)**

[Theoretical foundations of serotherapy in vitreous haemorrhages (author's transl)] Morawiecki J. **Klin Oczna** 1980 May;82(5):253–4 (Eng. Abstr.) **(Pol)**

[Use of a collyrium with autoserum in trophic corneal diseases] Orculas E, et al. **Rev Chir [Oftalmol]** 1980 Oct–Dec;24(4):289–91 (Eng. Abstr.) **(Rum)**

[Indications and contraindications of hemotherapy in children] Bulucea D. **Rev Pediatr Obstet Ginecol [Pediatr]** 1980 Apr–Jun; 29(2):181–92 (Eng. Abstr.) **(Rum)**

[Characteristics of cellular and humoral immunity in mice infected with Rauscher leukemia virus following administration of serum against isologous aggregated immunoglobulins] Snegireva AE, et al. **Biol Nauki** 1980; (7):27–33 **(Rus)**

[Use of antistaphylococcal plasma in burned patients] Panchenkov NR. **Sov Med** 1980;(7):26–30 (Eng. Abstr.) **(Rus)**

[Use of plasma from a patient with partial red cell aplasia, which contains antibodies against specific erythrokaryocyte antigen, to treat erythromyelosis patients] Idel'son LI, et al. **Ter Arkh** 1980;52(9):42–4 (Eng. Abstr.) **(Rus)**

[Role of hospitals] Castillo R. **Sangre (Barc)** 1980; 25(5C):955–7 **(Spa)**

[Functions of the administration (hemotherapy)] Conde Rodelgo V. **Sangre (Barc)** 1980;25(5C):958–61 **(Spa)**

HISTORY

[Development of Bogomolets' ideas in the area of experimental research and practical application of cytotoxic sera] Il'chevich NV, et al. **Fiziol Zh** 1981 May–Jun; 27(3):339–46 (Eng. Abstr.) **(Rus)**

[Efforts achieved in the past (hemotherapy)] Martín Villar J. **Sangre (Barc)** 1980;25(5C):930–46 **(Spa)**

METHODS

[Autohemotherapy in the treatment of chemical and thermal burns of the eye (author's transl)] Xue QC. **Chung Hua Yen Ko Tsa Chih** 1979;15(3):195–7 **(Chi)**

[Clinical aspects of the use of antistaphylococcal plasma on newborn infants with varying manifestations of staphylococcal infection] Ebels IG, et al. **Pediatriia** 1981 Feb;(2):49–50 (Eng. Abstr.) **(Rus)**

[Immunological mechanisms of specific hyposensitization in allergic diseases of an infectious nature. II. A correlative analysis of the interrelationships between different immunological processes during autovaccine immunotherapy] Berezhnaia NM, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Sep;(9):97–100 (Eng. Abstr.) **(Rus)**

TRENDS

[Present and future of hemotherapy in Spain] Del La Cámara Medizábal C. **Sangre (Barc)** 1980;25(5C):925–9 **(Spa)**

[Problems of hemotherapy in Spain. Suggestions for its organization in the future] Fernández MN. **Sangre (Barc)** 1980;25(5C):962–7 **(Spa)**

SEROTONIN

Factors influencing the fluorescence spectra of the formaldehyde-induced reaction product of 5-hydroxytryptamine. Wreford NG, et al. **Histochem J** 1980 Sep;12(5):543–52

Characterization of the structure and reactions of free radicals from serotonin and related indoles. Perez-Reyes E, et al. **J Biol Chem** 1981 Mar 10;256(5):2427–32

Comparison of solution conformational preferences for the hallucinogens bufotenin and psilocin using 360-MHz proton NMR spectroscopy. Migliaccio GP, et al. **J Med Chem** 1981 Feb;24(2):206–9

Approximate molecular potentials of mescaline analogues in a study of similarities to 5-hydroxytryptamine. Baldwin S, et al. **Mol Pharmacol** 1980 Nov;18(3):455–60

NMR studies of 5-hydroxytryptamine transport through large unilamellar vesicle membranes. Viscio DB, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1638–42

ADMINISTRATION & DOSAGE

Effect of intraventricular serotonin on the plasma cortisol response to restraint stress in unanesthetized sheep. Frey MJ, et al. **J Anim Sci** 1980 Aug;51(2):380–5

ANALOGS & DERIVATIVES

Diurnal rhythms of immunoreactive N-acetylserotonin and melatonin in the serum of male rats. Pang SF, et al. **Acta Endocrinol (Copenh)** 1980 Dec;95(4):571–6

A simple, specific, radioenzymatic assay for picogram quantities of serotonin or acetylserotonin in biological fluids and tissues. Hussain MN, et al. **Anal Biochem** 1981 Feb; 111(1):105–10

Effect of neuroleptics on indoleamine-N-methyltransferase activity and brain metabolism of bufotenin. Gomes UC, et al. **Biochem Pharmacol** 1981 Mar 15;30(6):571–5

Inhibition of the incorporation of [3H]DOPA in Mycobacterium leprae by desoxyfructo-serotonin. Jayaraman P, et al. **Biochem Pharmacol** 1980 Sep 15; 29(18):2526–8

5-methoxy-alpha-methyltryptamine (alphs, o-dimethylserotonin), a hallucinogenic homolog of serotonin. Kantor RE, et al. **Biol Psychiatry** 1980 Apr; 15(2):349–52

A comparison of cinobufotenine (the quaternary derivative of 5-HT) and some related compounds with coryneine (the quaternary derivative of dopamine) on the frog rectus, guinea-pig ileum and rat fundus strip preparations. Barlow RB, et al. **Br J Pharmacol** 1980 Aug;69(4):597–600

Extraction of pineal and uterine tissue at different pH values: a preliminary report on the occurrence of a few groups of compounds in both tissues. van der Horst CJ, et al. **Cytobios** 1980;29(115–116):191–203

Relative activities of substances related to 5-hydroxytryptamine as depolarizing agents of superior cervical ganglion cells. Wallis D, et al. **Eur J Pharmacol** 1981 Mar 26;70(3):381–92

Low serotonin uptake by platelets in leprosy and a new approach to prevent it. Szabados L, et al. **Int J Lepr** 1981 Mar;49(1):42–8

New tryptamine derivatives isolated from wax of green coffee beans. Folstar P, et al. **J Agric Food Chem** 1980 Jul–Aug;28(4):872–4

Effects of conformationally restrained analogues of serotonin on its uptake and binding in rat brain. Friedman E, et al. **J Neurochem** 1981 Mar;36(3):931–7

Persistence of circadian rhythms of melatonin and N-acetylserotonin in the serum of rats after pinealectomy. Yu HS, et al. **Neuroendocrinology** 1981 May;32(5):262–5

A diurnal rhythm of N-acetylserotonin in the retina of rats. Pang SF, et al. **Neurosci Lett** 1981 Jan 20;21(2):197-200

Circling produced by serotonin and dopamine agonists in raphe lesioned rats: a serotonin model. Slater P. **Pharmacol Biochem Behav** 1980 Dec;13(6):817-21

5-Methoxy-N,N-dimethyltryptamine: spinal cord and brainstem mediation of excitatory effects on acoustic startle. Davis M, et al. **Psychopharmacology (Berlin)** 1980; 70(2):123-30

Circadian variation in the head twitch response produced by 5-methoxy-N1,N1-dimethyltryptamine and p-chloroamphetamine in the mouse. Singleton C, et al. **Psychopharmacology (Berlin)** 1981;74(2):173-6

[Extraction of serotonin, bufotenin, 5-methoxytryptamine and 5-methoxy-N,N-dimethyltryptamine and their fluorometric determination with o-phthaldialdehyde] Kitzrow W, et al. **Acta Biol Med Ger** 1980;39(4):489-94 (Eng. Abstr.) **(Ger)**

[Possible blastomogenic activity of serotonin derivatives] Zharova EI, et al. **Patol Fiziol Eksp Ter** 1980 Nov-Dec; (6):78-81 (44 ref.) **(Rus)**

ANALYSIS

Immunohistochemical characterization of monoamine-containing neurons in the central nervous system by antibodies to serotonin and noradrenalin. A study in the rat and the lamprey (Lampetra fluviatilis). Steinbusch HW, et al. **Acta Histochem [Suppl] (Jena)** 1981;24:107-22

Monoamines and related enzymes in cerebral cortex and basal ganglia following transient ischemia in gerbils. Cvejić V, et al. **Acta Neuropathol (Berl)** 1980;51(1):71-7

Fluorometric detection of tryptophan, 5-hydroxytryptophan, and 5-hydroxytryptamine (serotonin) in high-performance liquid chromatography. Flatmark T, et al. **Anal Biochem** 1980 Sep 1;107(1):71-4

A simple, specific, radioenzymatic assay for picogram quantities of serotonin or acetylserotonin in biological fluids and tissues. Hussain MN, et al. **Anal Biochem** 1981 Feb; 111(1):105-10

Reverse-phase high-performance liquid chromatographic separation and electrochemical detection of norepinephrine, dopamine, serotonin, and related major metabolites. Kempf E, et al. **Anal Biochem** 1981 Apr; 112(2):223-31

Immunohistochemical localization of serotonin nerve terminals in the lateral entorhinal cortex of the rat: demonstration of two separate patterns of innervation from the midbrain raphe. Köhler C, et al. **Anat Embryol (Berl)** 1980;160(2):121-9

Morphology, histochemistry, and distribution of serotonin-containing cells in tracheal epithelium of adult rabbit. Dey RD, et al. **Anat Rec** 1981 Jan;199(1):23-31

Characterization of intensely fluorescent cells in the liver of the rat. i.Histochemistry and 48/80-induced degranulation. Dimlich RV, et al. **Anat Rec** 1980 Nov; 198(3):475-84

A histochemical and ultrastructural study of serotonin-containing nerves in cerebral blood vessels of the lamprey. Iijima T, et al. **Anat Rec** 1980 Dec; 198(4):671-80

Manipulation of blood serotonin and platelets in the rat. Sakuma M. **Biol Psychiatry** 1980 Dec;15(6):891-8

Serotonergic and peptidergic projections to the spinal cord demonstrated by a combined retrograde HRP histochemical and immunocytochemical staining method. Bowker RM, et al. **Brain Res** 1981 May 4;211(2):412-7

Do neural crest cells in the pancreas differentiate into somatostatin-containing cells? Fontaine-Pérus J, et al. **Cell Tissue Res** 1980;213(2):293-9

Pools of serotonin in the pineal gland of the mouse: the mammalian pinealocyte as a component of the diffuse neuroendocrine system. Juillard MT, et al. **Cell Tissue Res** 1980;213(2):273-91

Pulmonary neuroendocrine cells: decreased serotonin fluorescence and stable argyrophil-cell numbers in acute hypoxia. Keith IM, et al. **Cell Tissue Res** 1981;214(1):201-5

Subcellular localization of serotonin and motilin in the human jejunum. Dawson J, et al. **Clin Sci** 1980 Dec;59(6):505-8

Simultaneous determination of femtomole quantities of 5-hydroxytryptophan, serotonin and 5-hydroxyindoleacetic acid in brain using HPLC with electrochemical detection. Lacković Z, et al. **Eur J Pharmacol** 1981 Jan 29;69(3):347-52

A simple procedure for the evaluation of serotonin (5-HT) in discrete areas of the brain. Santagostino G, et al. **Farmaco [Prat]** 1980 Apr;35(4):203-10

Immunohistochemistry of brain 5-hydroxytryptamine. Buffa R, et al. **Histochemistry** 1980;68(1):9-15

Effects of exposure to trichloroethylene and tetrachloroethylene on the contents of acetylcholine, dopamine, norepinephrine and serotonin in rat brain. Honma T, et al. **Ind Health** 1980;18(4):171-8

Separation of dissociated thyroid follicular and parafollicular cells: association of serotonin binding protein with parafollicular cells. Bernd P, et al. **J Cell Biol** 1981 Mar; 88(3):499-508

Comparison of liquid chromatography-electrochemical and gas chromatography-mass spectrometry methods for brain dopamine and serotonin. Warsh JJ, et al. **J Chromatogr** 1980 Oct 10;183(4):483-6

The organization of indoleamine neurons in the brain of the rhesus monkey (Macaca mulatta). Schofield SP, et al. **J Comp Neurol** 1981 Apr 10;197(3):369-83

Microspectrofluorometric studies on the formaldehyde-induced reaction product of 5-hydroxytryptamine. Schofield GC, et al. **J Microsc** 1979 Jul;116(2):185-98

Effects of p-chloroamphetamine, a serotonin-depleting drug, on the median eminence and pituitary pars intermedia. Saland LC, et al. **J Neurobiol** 1980 Nov;11(6):577-89

Role of 5HT in the morbidity of cerebral infarction-a study in the gerbil stroke model. Harrison MJ, et al. **J Neurol Neurosurg Psychiatry** 1981 Feb;44(2):140-3

Application of high performance liquid chromatography with electrochemical detection to neurochemical analysis: measurement of catecholamines, serotonin and metabolites in rat brain. Mefford IN. **J Neurosci Methods** 1981 Feb; 3(3):207-24 (47 ref.)

Effect of neonatal hydrocortisone treatment on brain monoamines in developing rats. Kurosawa A, et al. **Jpn J Pharmacol** 1980 Apr;30(2):213-20

Measurement of the concentration of 5-hydroxytryptamine ejected during iontophoresis using multibarrel carbon fibre microelectrodes. Kruk ZL, et al. **Life Sci** 1980 Dec 1; 27(22):2093-8

A simple, sensitive and reliable assay for serotonin and 5-HIAA in brain tissue using liquid chromatography with electrochemical detection. Reinhard JF Jr, et al. **Life Sci** 1980 Sep 15;27(11):905-11

Brain serotonin and 5-hydroxyindoleacetic acid concentrations and serotonin synthesis following tetrahydro-beta-carboline administration in mice. Buckholtz NS. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Nov;314(3):215-21

Distribution of serotonin-immunoreactivity in the central nervous system of the rat-cell bodies and terminals. Steinbusch HW. **Neuroscience** 1981;6(4):557-618

Total and free serum tryptophan levels and brain 5-hydroxytryptamine metabolism in arthritic rats. Weil-Fugazza J, et al. **Pain** 1980 Dec;9(3):319-25

The distribution of 5-hydroxytryptamine and 3,4-dihydroxyphenylethylamine (dopamine) in human gastric mucosa. Butler SP, et al. **Pathology** 1980 Apr; 12(2):219-22

Effect of chloro-N-desmethyldiazepam on serum and brain tryptophan and serotonin in relation to the activity of central serotonergic neurons. Valzelli L, et al. **Pol J Pharmacol Pharm** 1981 Jan-Feb;33(1):37-42

Platelet-foreign surface interactions: the release reaction from singly adherent platelets and adherent platelet aggregates. Whicher SJ, et al. **Trans Am Soc Artif Intern Organs** 1980;26:268-73

[The serotonergic fibers in the striatum. Ultrastructural characteristics (author's transl)] Arluison M. **J Physiol (Paris)** 1981 Apr;77(1):45-51 (71 ref.) (Eng. Abstr.) **(Fre)**

[Extraction of serotonin, bufotenin, 5-methoxytryptamine and 5-methoxy-N,N-dimethyltryptamine and their fluorometric determination with o-phthaldialdehyde] Kitzrow W, et al. **Acta Biol Med Ger** 1980;39(4):489-94 (Eng. Abstr.) **(Ger)**

[Fluorescence histochemical and neurohistological investigations on the nucleus raphes dorsalis of the rat (author's transl)] Pfister C, et al. **Acta Histochem (Jena)** 1980;66(2):253-61 (Eng. Abstr.) **(Ger)**

[Participation of monoamines in the recuperative responses of the central nervous system following experimental injury to the anterior portions of the cerebral cortex] Romanova GA, et al. **Biull Eksp Biol Med** 1980 Nov;90(11):536-8 (Eng. Abstr.) **(Rus)**

[Genetics and phenogenetics of the hormonal characteristics of animals. VII. Correlation between brain serotonin and the hypothalamo-pituitary-adrenal system in domesticated and undomesticated silver foxes during emotional stress] Popova NK, et al. **Genetika (Moskva)** 1980;16(10):1865-70 (Eng. Abstr.) **(Rus)**

[Interstrain differences in the serotonin and 5-hydroxyindoleacetic acid levels in the postnatal ontogeny of C57BL/6J and BALB/cLac strain mice] Lobacheva II, et al. **Ontogenez** 1981;12(3):306-10 (Eng. Abstr.) **(Rus)**

[Histamine and serotonin content in immunocompetent tissues and blood in vagotomized rats] Aksenova VM. **Patol Fiziol Eksp Ter** 1981 Jan-Feb;(1):23-6 (Eng. Abstr.) **(Rus)**

[Effect of dysentery endotoxin on the histamine and serotonin concentration in the mucosa of the small intestine] Shenkman BZ. **Vopr Med Khim** 1980 May-Jun;26(3):351-4 (Eng. Abstr.) **(Rus)**

[Effect of asphyxiation on the intestinal serotonin concentration] Karchmer S, et al. **Ginecol Obstet Mex** 1980 Sep;48(287):153-7 (Eng. Abstr.) **(Spa)**

BIOSYNTHESIS

Effect of acute administration of morphine on newly synthesized 5-hydroxytryptamine in spinal cord of the rat. Godefroy F, et al. **Brain Res** 1980 Oct 20;199(2):415-24

Morphine analgesia and newly synthesized 5-hydroxytryptamine in the dorsal and the ventral halves of the spinal cord of the rat. Weil-Fugazza J, et al. **Brain Res** 1981 Jun 15;214(2):440-4

Reduction in brain serotonin synthesis rate in streptozotocin-diabetic rats. Crandall EA, et al. **Endocrinology** 1981 Jul;109(1):310-2

Rates of indoleamine synthesis in maturing mouse brain. Baker PC, et al. **Gen Pharmacol** 1981;12(3):151-4

Possible interrelationship between the antinociceptive effect of morphine and brain 5-hydroxytryptamine in albino rats. Sanyal AK, et al. **Indian J Med Res** 1981 May;73:787-92

Serotonin and norepinephrine: long-term decrease in rate of synthesis in brain of rats primed with p-chlorophenylalanine. Alexander GJ, et al. **Neurochem Res** 1980 Aug;5(8):879-83

Catecholamine and 5-hydroxytryptamine synthesis and release in the brain of mutant spastic Han-Wistar rats. Kehr W. **Neuroscience** 1981;6(4):751-5

Peripheral conversion of L-5-hydroxytryptophan to serotonin induces drinking in rats. Kikta DC, et al. **Pharmacol Biochem Behav** 1981 Jun;14(6):889-93

BLOOD

The action of antidepressant drugs on 5-hydroxy-tryptamine uptake by platelets--relationship to therapeutic effect. Coppen A, et al. **Acta Psychiatr Scand [Suppl]** 1981; 63(Suppl 290):236-43

Serotonin binding sites of human blood platelets. Kim BK, et al. **Anal Biochem** 1980 Jul 15;106(1):92-8

Increased whole blood serotonin concentrations in chronic schizophrenic patients. DeLisi LE, et al. **Arch Gen Psychiatry** 1981 Jun;38(6):647-50

Short-term and repetitive administration of oral tryptophan in normal men. Effects on blood tryptophan, serotonin, and kynurenine concentrations. Yuwiler A, et al. **Arch Gen Psychiatry** 1981 Jun;38(6):619-26

Effects of Ro 11-2465, a new psychotropic agent on the uptake of serotonin by human platelets--in vitro determination of the IC50. Lenehan T, et al. **Arch Int Pharmacodyn Ther** 1981 Jan;249(1):147-52

Neurotransmitter abnormalities in patients with motor neuron disease. Belendiuk K, et al. **Arch Neurol** 1981 Jul; 38(7):415-7

Lithium carbonate therapy for cluster headache. Changes in number of platelets, and serotonin and histamine levels. Medina JL, et al. **Arch Neurol** 1980 Sep;37(9):559-63

The effects of prodipine and budipine on 14C-5-hydroxytryptamine uptake and release by human blood platelets. Eltze M. **Arzneimittelforsch** 1980; 30(7):1129-34

2-nitroimipramine: a selective irreversible inhibitor of [3H] serotonin uptake and [3H] imipramine binding in platelets. Rehavi M, et al. **Biochem Biophys Res Commun** 1981 Apr 15;99(3):954-9

The effects of strontium and calcium ions on 5-hydroxytryptamine secretion and thromboxane B2 biosynthesis in washed human platelets. Bone EA, et al. **Biochem Soc Trans** 1980 Oct;8(5):530-1

Lanthanum stimulates the accumulation of cyclic AMP and inhibits secretion and thromboxane B2 formation in human platelets. Best LC, et al. **Biochim Biophys Acta** 1980 Oct 1;632(2):336-42

Plasma free and total tryptophan, blood serotonin, and the hyperactivity syndrome: no evidence for the serotonin deficiency hypothesis. Ferguson HB, et al. **Biol Psychiatry** 1981 Mar;16(3):231-8

Lithium and serotonin uptake by platelets [letter] Arora RC, et al. **Br J Psychiatry** 1980 Oct;137:396-7

The art of measuring serotonin uptake in platelets [letter] Lingjaerde O. **Br J Psychiatry** 1981 1 Feb;138:181

Liquid-chromatographic determination of serotonin and tryptophan in whole blood and plasma [letter] Anderson GM, et al. **Clin Chem** 1981 May;27(5):775-6

Spectrophotofluorometry of serotonin in blood platelets. Vatassery GT, et al. **Clin Chem** 1981 Feb;27(2):328-30

A modified assay method for determining serotonin uptake in human platelets. Arora RC, et al. **Clin Chim Acta** 1981 May 5;112(2):225-33

Radioenzymatic assay of platelet serotonin, dopamine and norepinephrine in subjects with normal and increased serotonin production. Feldman JM, et al. **Clin Chim Acta** 1981 Feb 5;109(3):275-83

Platelet-aggregating immune complexes and intraplatelet serotonin in idiopathic glomerulonephritis and systemic lupus. Kasai N, et al. **Clin Exp Immunol** 1981 Jan; 43(1):64-72

Platelet and plasma serotonin concentrations in glomerulonephritis, II. Parbtani A, et al. **Clin Nephrol** 1980 Sep;14(3):112-23

Platelet and plasma serotonin in glomerulonephritis. III: The nephritis of systemic lupus erythematosus. Parbtani A, et al. **Clin Nephrol** 1980 Oct;14(4):164-72

Serotonin and pulmonary hypertension in human septic ARDS. Sibbald W, et al. **Crit Care Med** 1980 Sep; 8(9):490-4

Decreased brain serotonin turnover after short term (two-hour) adrenalectomy in rats: a comparison of four turnover methods. Van Loon GR, et al. **Endocrinology** 1981 Apr;108(4):1392-402

Serum serotonin, free tryptophan and plasma cyclic AMP levels in autistic children -with special reference to their relation to hyperkinesia. Hoshino Y, et al. **Fukushima J Med Sci** 1979;26(3-4):79-91

Circulating cyclic nucleotides and amines in human cholera. Morishita T, et al. **Gastroenterol Jpn** 1981;16(1):39-45

5-Hydroxytryptamine in platelets of patients with muscle contraction headache. Rolf LH, et al. **Headache** 1981 Jan; 21(1):10-1

Pattern of blood 5-HT changes in gastrointestinal resection

in dogs. Sarkar FH, et al. **Indian J Exp Biol** 1980 Aug; 18(8):862–4
Plasma biogenic amines in head injury. Nayak AK, et al. **J Neurol Sci** 1980 Aug;47(2):211–9
The varicocele: elevated serotonin and infertility. Caldamone AA, et al. **J Urol** 1980 May;123(5):683–5
Changes of kallikrein and serotonin in plasma during and after open-heart surgery. Shida H, et al. **Jpn Circ J** 1981 Jan;45(1):48–54
Blood levels of serotonin in human leprosy. Kumar R, et al. **Lepr India** 1980 Oct;52(4):532–5
In vitro effect of phencyclidine and other psychomotor stimulants on serotonin uptake in human platelets. Arora RC, et al. **Life Sci** 1980 Oct 27;27(17):1607–13
Blood levels of 5-Hydroxytryptamine in human beings under several physiological situations. Gonzales GF. **Life Sci** 1980 Aug 25;27(8):647–50
Blood serotonin during seizure intervals in untreated epileptics with either partial or grand mal or petit mal seizures. Volanschi D, et al. **Neurol Psychiatr (Bucur)** 1980 Oct–Dec;18(4):241–6
The effect of tryptolines (1, 2, 3, 4-tetrahydro-beta-carbolines) on monoamine metabolism and the platelet aggregation response in human platelets. Youdim MB, et al. **Neuroscience** 1981;6(4):801–10
Platelet aggregation, 5-hydroxytryptamine uptake and release in Huntington's chorea. Diez-Ewald M, et al. **Prog Neuropsychopharmacol** 1980;4(3):277–83
A comparative uptake study of serotonin, dopamine, and norepinephrine by platelets of acute schizophrenic patients. Rotman A, et al. **Psychiatry Res** 1980 Dec;3(3):239–46
Changes in 5-hydroxytryptamine and its metabolites in neuropsychiatric disorders [proceedings] Sandler M. **Psychopharmacol Bull** 1981 Jan;17(1):19–21
The effect of multiple rising doses of Ro 11-2465 (serotonin uptake inhibitor) on serotonin content of human platelets. Lenehan T, et al. **Psychopharmacology (Berlin)** 1981; 74(1):1–3
Peripheral correlates of serotonergically-influenced behaviors in vervet monkeys (Cercopithecus aethiops sabaeus). Raleigh MJ, et al. **Psychopharmacology (Berlin)** 1981;72(3):241–6
beta-Endorphin-induced release of 5-hydroxytryptamine from human platelets. Rolf LH, et al. **Psychopharmacology (Berlin)** 1981;73(1):48–50
Platelets in myeloproliferative disorders. II. Serotonin uptake and storage: correlations with mepacrine labelled dense bodies and with platelet density. Caranobe C, et al. **Scand J Haematol** 1980 Oct;25(4):289–95
The 5-hydroxytryptamine take-up mechanism in normal platelets and platelets from migraine and asthmatic patients. Malmgren R, et al. **Thromb Res** 1980 Jun 1;18(5):733–41
Blood platelet 5-hydroxytryptamine accumulation and migraine. Carroll JD, et al. **Ups J Med Sci [Suppl]** 1980; Suppl 31:10–2
[The effect of Dang-Gui (Angelica sinensis) and its ingredient ferulic acid on rat platelet aggregation and release of 5-HT (author's transl)] Yin ZZ, et al. **Yao Hsueh Hsueh Pao** 1980 Jun;15(6):321–6 (Eng. Abstr.) **(Chi)**
[Blood serotonin and tryptophan in autism (letter)] Douay O, et al. **Ann Biol Clin (Paris)** 1980;38(4):243 **(Fre)**
[Serotonin and autism] Kamoun P, et al. **Ann Biol Clin (Paris)** 1980;38(4):201–5 (24 ref.) **(Fre)**
[Histamine and serotonin levels in exercise induced bronchospasm in asthmatics (author's transl)] Dry J, et al. **Pathol Biol (Paris)** 1980 Feb;28(2):95–100 (Eng. Abstr.) **(Fre)**
[Indirect detection of biological substances with endotoxin activity by serotonin liberation from thrombocytes] Schimmel D, et al. **Arch Exp Veterinaermed** 1980; 34(2):313–6 **(Ger)**
[Effects of reduced glutathione in endotoxin shock--change of blood chemical mediators (author's transl)] Ebata T, et al. **Masui** 1980 Jul;29(7):637–40 (Eng. Abstr.) **(Jpn)**
[Various indicators of serotonin metabolism in early pregnancy toxemias] Doraczyński H. **Ginekol Pol** 1980 Dec;51(12):1087–91 (Eng. Abstr.) **(Pol)**
[Changes in the levels of blood serotonin (5-HT), blood serum monoamine oxidase (MAO) and urinary 5-hydroxyindoleacetic acid (5-HIO) depending on selected enzymatic indicators of liver damage in experimental CC14 poisoning in rabbits] Borzuchowska A, et al. **Patol Pol** 1980; 31(3):383–91 (Eng. Abstr.) **(Pol)**
[Importance of determining the somatotropic hormone, serotonin and oxyproline levels in assessing the degree of fibrosis in modern phthisiogynecology] Kolachevskaia EN, et al. **Akush Ginekol (Mosk)** 1980 Sep;(9):33–6 (En ;. Abstr.) **(Rus)**
[Serotonin and histamine content in the blood in dumping predisposition and postresection dumping syndrome] Kalish IuI, et al. **Klin Khir** 1980 Aug;(8):62–3 **(Rus)**
[Human histamine and serotonin levels during neuro-emotional stress] Kalandarov S, et al. **Kosm Biol Aviakosm Med** 1980 Nov–Dec;14(6):29–32 (Eng. Abstr.) **(Rus)**
[Histamine and serotonin study in 1 blood sample] Proshina LIa. **Lab Delo** 1981;(2):90–3 (Eng. Abstr.) **(Rus)**
[Disorders of the glucocorticoid function of the adrenal cortex and metabolism of biologically active substances in the tissues in erysipelas] Men'shikov VV, et al. **Sov Med** 1980;(12):50–3 (Eng. Abstr.) **(Rus)**
[Interrelationship between blood coagulation system indices and biogenic amines in stomach cancer] Agaev IN. **Vopr Onkol** 1981;27(1):111–2 **(Rus)**
[State of serotonin--monoamine oxidase and histamine--diamine oxidase systems in circulating blood in ischemic strokes] Il'icheva RF, et al. **Zh Nevropatol Psikhiatr** 1980;80(8):1164–70 (Eng. Abstr.) **(Rus)**
[Serotonin (5 hydroxytryptamine) concentration in the blood of pregnant women during normal gravidity (author's transl)] Lukačín S, et al. **Cesk Gynekol** 1980 Aug; 45(7):467–71 (Eng. Abstr.) **(Slo)**
[Serotonin concentration in the blood in relation to some relevant factors of imminent premature delivery (author's transl)] Lukačín S, et al. **Cesk Gynekol** 1980 Sep;45(8):574–8 (Eng. Abstr.) **(Slo)**
[Serotonin concentration during gravidity threatened by premature delivery (author's transl)] Lukačín S, et al. **Cesk Gynekol** 1980 Sep;45(8):570–3 (Eng. Abstr.) **(Slo)**

CEREBROSPINAL FLUID

Concentration of serotonin metabolites in the cerebrospinal fluid from alcoholics before and during disulfiram therapy. Beck O, et al. **Acta Pharmacol Toxicol (Copenh)** 1980 Oct; 47(4):305–7
Ontogeny of dopamine and serotonin metabolites in the cerebrospinal fluid of children with neurological disorders. Shaywitz BA, et al. **Dev Med Child Neurol** 1980 Dec; 22(6):748–54
Biochemical effects of zimelidine in man. Bertilsson L, et al. **Eur J Clin Pharmacol** 1980 Nov;18(6):483–7
Dopamine (DA) and serotonin metabolic levels in the cerebrospinal fluid (CSF) in Alzheimer's presenile dementia under basic conditions and after stimulation with cerebral cortex phospholipids (BC-PL). Argentiero V, et al. **J Neurol** 1980;224(1):53–8

DIAGNOSTIC USE

Glucagon (IRG) and insulin (IRI) response to arginine (ARG) in the rat pancreas in vitro: effect of histamine (HA) and serotonin (5HT). Pontiroli AE, et al. **Horm Metab Res** 1980 Dec;12(12):703–4

IMMUNOLOGY

[Nonspecific suppressor cells in the inhibiting action of serotonin on immunogenesis] Devoino LV, et al. **Dokl Akad Nauk SSSR** 1981;256(2):506–9 **(Rus)**

ISOLATION & PURIFICATION

A bradykinin-like substance in rat stomach. Kobayashi M, et al. **Jpn J Pharmacol** 1980 Oct;30(5):701–10
A simple determination of serotonin, 5-hydroxyindoleacetic acid and 5-hydroxytryptophan decarboxylase activity in rat brain areas and parallel correlation among the levels. Tadano T, et al. **Jpn J Pharmacol** 1980 Jun;30(3):347–56

METABOLISM

Reversed effect of chlorpromazine on hypothalamic serotonin levels of rats with complete deafferentation of the medial basal hypothalamus. Bánky Z, et al. **Acta Biol Acad Sci Hung** 1980;31(1–3):25–32
Effect of prolonged acetylcholinesterase inhibition on postnatal brain development in rabbit. I. Level of serotonin in different brain regions. Maślińska D, et al. **Acta Neuropathol [Suppl] (Berl)** 1981;7:52–5
Dextran-induced release of serotonin from isolated rat peritoneal mast cells. Berstad J. **Acta Pharmacol Toxicol (Copenh)** 1980 Sep;47(3):213–6
Effect of hypophysectomy and adrenalectomy on 5-hydroxytryptamine uptake by rat hypothalamic synaptosomes and blood platelets. Tukiainen E. **Acta Pharmacol Toxicol (Copenh)** 1981 Feb;48(2):139–44
Characterization of 5-hydroxytryptamine uptake in sliced rat lung. Wikberg JE, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Feb;48(2):151–6
Changes in hypothalamic noradrenaline and 5-hydroxytryptamine levels during the development of warm- and cold-adaptation in the rat. Hahn Z, et al. **Acta Physiol Acad Sci Hung** 1979;54(3):245–9
Serotonin content of the anterior and medial-basal hypothalamus in the female rats throughout the course of estrous cycle. Lewandowska J, et al. **Acta Physiol Pol** 1980 May-Jun;31(3):241–6
Effects of metabolic inhibitors on the efflux of 5-hydroxytryptamine from pancreatic Beta-cells. Gylfe E. **Acta Physiol Scand** 1980 Jun;109(2):155–61
Serotonin metabolism in neonatal rat brain during asphyxia and recovery. Hedner T, et al. **Acta Physiol Scand** 1980 Jun;109(2):163–8
Specific norepinephrine and serotonin uptake inhibitors in man: a crossover study with pharmacokinetic, biochemical, neuroendocrine and behavioral parameters. Potter WZ, et al. **Acta Psychiatr Scand [Suppl]** 1981;63(Suppl 290):152–65
Uptake of serotonin liberated by irradiation of rabbits and mice. Veninga T, et al. **Acta Radiol Oncol Radiat Phys Biol** 1980;19(5):369–71
Autoradiographic and immunocytochemical evidence for the existence of GABAergic neurons in the nucleus raphe dorsalis--possible existence of neurons containing 5HT and glutamate decarboxylase. Nanopoulos D, et al. **Adv Biochem Psychopharmacol** 1981;29:519–25
Hamster scrapie: evidence for alterations in serotonin metabolism. Rohwer RG, et al. **Adv Exp Med Biol** 1981; 134:375–84
Specific uptake of tritiated serotonin in the adult rat pancreas: evidence for the presence of serotonergic fibers. Koevary SB, et al. **Am J Anat** 1980 Nov;159(3):361–8
Serotonin and seasonal variation in the pancreatic structure of bats: possible presence of serotonergic axons in the gland. Nunez EA, et al. **Am J Anat** 1980 Nov;159(3):347–60
Carcinoid tumors of the rectum. Silver reactions, fluorescence, and serotonin content of the cytoplasmic granules. Taxy JB, et al. **Am J Clin Pathol** 1980 Dec; 74(6):791–5
Disposition of 5-hydroxytryptamine in lungs of developing rats. Wallace KB, et al. **Am J Physiol** 1980 Nov; 239(5):R401–6
Effect of chlorphentermine on the pulmonary disposition of 5-hydroxytryptamine in the isolated perfused rabbit lung. Angevine LS, et al. **Am Rev Respir Dis** 1980 Dec; 122(6):891–8
Effect of alpha naphthylthiourea on uptake of 5-hydroxytryptamine from the pulmonary circulation. Block ER, et al. **Am Rev Respir Dis** 1981 Jan;123(1):69–73
Comparison of serotonin uptake from the alveolar and capillary spaces of isolated rat lung. Fisher AB, et al. **Am Rev Respir Dis** 1981 Jan;123(1):74–8
Autoradiographic experiments to examine uptake, anterograde and retrograde transport of tritiated serotonin in the mammalian brain. Yamamoto M, et al. **Anat Embryol (Berl)** 1980;159(2):137–49
Lack of platelet effect with the aspirin analog, salsalate. Estes D, et al. **Arthritis Rheum** 1980 Nov;23(11):1303–7
Distribution of the radioactivity in the central nervous system of the developing rat following intracisternal or subcutaneous administration of 14C-5,7-dihydroxytryptamine. Sievers J, et al. **Bibl Anat** 1981;(19):302–7
Inhibition of adenosine triphosphatase, 5-hydroxytryptamine transport and proton-translocation activities of resealed chromaffin-granule 'ghosts'. Apps DK, et al. **Biochem J** 1980 Aug 15;190(2):273–82
Depressed uptake of serotonin by platelets in hepatic encephalopathy. Wardle EN, et al. **Biochem Med** 1980 Oct; 24(2):223–7
Effect of 2-(p-chlorophenyl)cyclopropylamine on 5-hydroxyindole concentration and monoamine oxidase activity in rat brain. Fuller RW, et al. **Biochem Pharmacol** 1980 Dec;29(24):3328–30
Comparative effects of various serotonin releasing agents in mice. Hwang EC, et al. **Biochem Pharmacol** 1980 Dec 1; 29(23):3163–7
The monoamine oxidase inhibitors clorgyline and L-deprenyl also affect the uptake of dopamine, noradrenaline and serotonin by rat brain synaptosomal preparations. Lai JC, et al. **Biochem Pharmacol** 1980 Oct 15;29(20):2763–7
Action of immobilized neuraminidase on the accumulation of 5-hydroxytryptamine by human platelets. Masters VM, et al. **Biochem Pharmacol** 1980 Dec 1;29(23):3189–201
Inverse relation of substance P-like immunoreactivity in dorsal raphe nucleus to serotonin levels in pons-medulla following administration of cocaine and 5-hydroxytryptophan. Pradhan S, et al. **Biochem Pharmacol** 1981 May 15;30(10):1071–6
Aromatic L-amino acid decarboxylase activity in central and peripheral tissues and serum of rats with L-DOPA and L-5-hydroxytryptophan as substrates. Rahman MK, et al. **Biochem Pharmacol** 1981 Mar 15;30(6):645–9
A specific and sensitive microassay for hydroxyindoles in biological material--application for cerebral microvessels, brain, and pineal organ of the rat. Reinhard JF Jr, et al. **Biochem Pharmacol** 1980 Nov 1;29(21):3020–3
Serotoninergic dysfunction in the 47, XYY syndrome. Bioulac B, et al. **Biol Psychiatry** 1980 Dec;15(6):917–23
Relative potency of amphetamine isomers in causing the serotonin behavioral syndrome in rats. Sloviter RS, et al. **Biol Psychiatry** 1980 Oct;15(5):789–96
Management of depression with serotonin precursors. van Praag HM. **Biol Psychiatry** 1981 Mar;16(3):291–310
Intraplatelet serotonin and plasma 5-hydroxyindoles in health and disease. Shuttleworth RD, et al. **Blood** 1981 Mar; 57(3):505–9
Differential effect of benserazide (Ro4-4602) on the concentration of indoleamines in rat pineal and hypothalamus. Arendt J, et al. **Br J Pharmacol** 1981 Feb; 72(2):257–62
The ionization of 5-hydroxytryptamine and related compounds and an appraisal of methods for the estimation of zwitterion constants. Barlow RB, et al. **Br J Pharmacol** 1980 Aug;69(4):587–95
Effect of hyperoxia on uptake and metabolism of 5-hydroxytryptamine and beta-phenylethylamine in rat lung: a sex difference. Ben-Harari RR, et al. **Br J Pharmacol** 1981 Jun;73(2):461–6
Anomalous compartmentation of 5-hydroxytryptamine in intact human platelets. Costa JL, et al. **Br J Pharmacol** 1981 Mar;72(3):449–59
Further studies on 5-hydroxytryptamine transport in pancreatic islets and isolated beta-cells. Lindström P. **Br J Pharmacol** 1981 Jun;73(2):385–91
Noradrenergic innervation of serotonergic neurons in the dorsal raphe: demonstration by electron microscopic autoradiography. Baraban JM, et al. **Brain Res** 1981 Jan

5;204(1):1-11
Synaptic remodeling of serotonin axon terminals in rat agranular cerebellum. Beaudet A, et al. **Brain Res** 1981 Feb 16;206(2):305-29
Long lasting effects of intrauterine growth retardation of 5-HT metabolism in the brain of developing rats. Chanez C, et al. **Brain Res** 1981 Mar 2;207(2):397-408
Stimulation of the rat dorsal raphe in vivo releases labeled serotonin from the parietal cortex. Fujiwara H, et al. **Brain Res** 1981 Jul 20;216(2):351-60
Serotonin binding to different regions of human brain. Heltzel JA, et al. **Brain Res** 1980 Jan 21;204(2):451-4
Septal elicitation of hippocampal theta rhythm after localized de-afferentation of serotoninergic fibers. McNaughton N, et al. **Brain Res** 1980 Nov 3;200(2):259-69
Thiamine deficiency: effect on serotonin binding protein in rat hypothalamus. Plaitakis A, et al. **Brain Res** 1981 Aug 3;217(2):416-9
Apparent serotonergic modulation of the dose-dependent biphasic response of neostriatal neurons produced by D-amphetamine. Rebec GV, et al. **Brain Res** 1981 Apr 6;210(1-2):277-89
Somatostatin facilitates the serotonin release from rat cerebral cortex, hippocampus and hypothalamus slices. Tanaka S, et al. **Brain Res** 1981 Mar 9;208(1):219-22
The maturation of cortical serotonin binding sites. Uphouse LL, et al. **Brain Res** 1981 Jun;227(3):415-7
Serotonin-immunoreactive cells in the superior cervical ganglion of the rat. Evidence for the existence of separate serotonin- and catecholamine-containing small ganglionic cells. Verhofstad AA, et al. **Brain Res** 1981 May 11; 212(1):39-49
Hippocampal serotonin re-uptake and nocturnal locomotor activity after microinjections of 5,7-DHT in the fornix-fimbria. Williams JH, et al. **Brain Res** 1981 Feb 23; 207(1):95-107
Differential distribution of norepinephrine and serotonin along the dorsal-ventral axis of the hippocampal formation. Gage FH, et al. **Brain Res Bull** 1980 Nov-Dec;5(6):771-3
Forebrain norepinephrine and serotonin concentrations and cardiac conditioning in normal rabbits and rabbits with septal lesions. Hernández LL, et al. **Brain Res Bull** 1981 Jun;6(6):479-86
Serotonin distribution in rat cerebral cortex; radioenzymatic assays with thin-layer chromatography. Reader TA. **Brain Res Bull** 1980 Sep-Oct;5(5):609-13
Different influences of two types of diets commonly used for rats on a series of parameters related to the metabolism of central serotonin and noradrenaline. Héroux O, et al. **Can J Physiol Pharmacol** 1981 Feb;59(2):108-12
Location and release of TRH and 5-HT from amphibian skin. Bennett GW, et al. **Cell Biol Int Rep** 1981 Feb;5(2):151-8
Decrease of tolerance and physical dependence on morphine by drugs affecting brain serotonin. Contreras E, et al. **Cell Mol Biol** 1980;26(4):389-93
Pituitary serotonin: responsiveness of levels to hormonal change and ultrastructural alterations associated with amine depletion. Nunez EA, et al. **Cell Tissue Res** 1980; 211(3):487-92
Metabolic activities of the lung: introduction. Vane JR. **Ciba Found Symp** 1980;(78):1-10
Blood-brain barrier for serotonin in the eel (Anguilla anguilla L.). Genot G, et al. **Comp Biochem Physiol [C]** 1981; 68C(2):247-50
Effect of increased pancreatic islet norepinephrine, dopamine and serotonin concentration on insulin secretion in the golden hamster. Zern RT, et al. **Diabetologia** 1980 Apr; 18(4):341-6
Reciprocal relationship between the concentrations of serotonin and the activity of serotonin-N-acetyltransferase in rat pineal glands in culture. Chan A, et al. **Endocr Res Commun** 1981;8(1):25-44
Intraventricular administration of vasopressin and oxytocin effects the steady-state levels of serotonin, dopamine and norepinephrine in rat brain. Schwarzberg H, et al. **Endocrinol Exp (Bratisl)** 1981;15(2):75-80
A serotonergic mechanism of the prolactin-stimulating action of metoclopramide. Fang VS, et al. **Endocrinology** 1981 May;108(5):1622-7
Evidence that a serotonergic mechanism stimulates the secretion of pituitary beta-endorphin-like immunoreactivity in the rat. Sapun DI, et al. **Endocrinology** 1981 Aug;109(2):421-6
Brain serotonin turnover correlates inversely with plasma adrenocorticotropin during the triphasic response to adrenalectomy in rats. Van Loon GR, et al. **Endocrinology** 1981 Jun;108(6):2269-76
Independence of diurnal rhythms of plasma corticosterone and hypothalamic serotonin content. Lengvári I, et al. **Endokrinologie** 1980 Jun;76(3):297-302
Environmental influences on uptake of serotonin and other amines. Fisher AB, et al. **Environ Health Perspect** 1980 Apr;35:191-8
Intracellular distribution of adenine and 5-hydroxytryptamine in megakaryocytes isolated by density gradient and velocity sedimentation from bone marrow. Hagen-Aukamp C, et al. **Eur J Cell Biol** 1980 Dec;23(1):149-56
Increased metabolism of dopamine and serotonin induced in forebrain areas by etorphine microinjection in periaqueductal gray. Algeri S, et al. **Eur J Pharmacol** 1980 Dec 5;68(3):383-4
Effects of GABA and diazepam on 3H-serotonin release from hippocampal synaptosomes. Balfour DJ. **Eur J Pharmacol** 1980 Nov 7;68(1):11-6
Regional 5-HT analysis in Roman high- and low-avoidance rats following MAO inhibition. Driscoll P, et al. **Eur J Pharmacol** 1980 Dec 5;68(3):373-6
Long-term effects of a tryptophan-free diet on serotonin metabolism and sleep-waking balance in rats. Lanoir J, et al. **Exp Brain Res** 1981;41(3-4):346-57
Specificity of serotonin uptake by bovine retina: comparison with tryptamine. Osborne NN, et al. **Exp Eye Res** 1980 Jul;31(1):31-9
Competition between platelets and lung for 5-hydroxytryptamine uptake. Steinberg H, et al. **Exp Lung Res** 1980 Jun;1(2):121-30
Effects of brain monoamine depletion on thermoregulatory responses of rabbits to different hypothalamic temperatures. Lin MT. **Exp Neurol** 1980 Nov;70(2):226-35
A biphasic effect of estradiol on serotonin metabolism in rat pineal organ cultures. Cardinali DP, et al. **Experientia** 1981 Feb 15;37(2):203-4
A circannual rhythm in bovine pineal serotonin. Philo R, et al. **Experientia** 1980 Jun 15;36(6):664-5
Serotoninergic modulation of mesolimbic and frontal cortical dopamine neurons. Waldmeier PC. **Experientia** 1980 Sep 15;36(9):1092-4
Localization of noradrenaline and serotonin in nerves in the pineal gland of rats and guinea-pigs studied by glyoxylic acid histofluorescence and electron microscopy. Hess A. **Histochem J** 1981 May;13(3):425-34
Cobalt-induced depletion of dopamine, norepinephrine & 5-hydroxytryptamine concentration in different regions of the rat brain. Hasan M, et al. **Indian J Exp Biol** 1980 Sep; 18(9):1051-3
Altered 5-HT metabolism under the influence of 5,6-dihydroxytryptamine in rats. Sarkar FH, et al. **Indian J Exp Biol** 1980 Sep;18(9):1033-5
Interaction of rat platelets with Listeria monocytogenes. Czuprynski CJ, et al. **Infect Immun** 1981 Jul;33(1):103-8
Low serotonin uptake by platelets in leprosy and a new approach to prevent it. Szabados L, et al. **Int J Lepr** 1981 Mar;49(1):42-8
Identified serotonin neurons. Osborne NN, et al. **Int Rev Cytol** 1980;67:259-90
Depression of serotonin uptake by cultured endothelial cells exposed to high O2 tension. Block ER, et al. **J Appl Physiol** 1981 Jun;50(6):1212-9
Kinetics of serotonin uptake in the dog lung. Rickaby DA, et al. **J Appl Physiol** 1981 Aug;51(2):405-14
Proton: substrate stoichiometries during active transport of biogenic amines in chromaffin ghosts. Johnson RG, et al. **J Biol Chem** 1981 Jun 10;256(11):5773-80
Amine transport in chromaffin granule ghosts. pH dependence implies cationic form is translocated. Knoth J, et al. **J Biol Chem** 1981 Jul 10;256(13):6541-3
Solubilization of the platelet plasma membrane serotonin transporter in an active form. Talvenheimo J, et al. **J Biol Chem** 1980 Sep 25;255(18):8606-11
T cell-dependent mast cell degranulation and release of serotonin in murine delayed-type hypersensitivity. Askenase PW, et al. **J Exp Med** 1980 Nov 1;152(5):1358-74
Platelet-serotonin release by C3a and C5a: two independent pathways of activation. Meuer S, et al. **J Immunol** 1981 Apr;126(4):1506-9
Further investigations on Bernard-Soulier platelet abnormalities. Rendu F, et al. **J Lab Clin Med** 1981 May; 97(5):689-99
Serotoninergic development in the postnatal rat brain. Hedner T, et al. **J Neural Transm** 1980;49(4):257-79
Transitional states of central serotonin receptors in Parkinson's disease. Kienzl E, et al. **J Neural Transm** 1981; 51(1-2):113-22
Distribution of catecholamines and serotonin in the rat cerebral cortex: absolute levels and relative proportions. Reader TA. **J Neural Transm** 1981;50(1):13-27
Effect of lesions of raphe nuclei on the activity of catecholaminergic and serotonergic neurones in various brain regions of the rat in vivo. Rommelspacher H, et al. **J Neural Transm** 1980;49(1-2):51-62
Biochemistry and ultrastructure of serotonergic nerve endings in the lobster: serotonin and octopamine are contained in different nerve endings. Livingstone MS, et al. **J Neurobiol** 1981 Jan;12(1):27-54
Lack of effect of repeated electroconvulsive shock on [3H]spiroperidol and [2H]5-hydroxytryptamine binding and cholinergic parameters in rat brain. Atterwill CK. **J Neurochem** 1980 Sep;35(3):729-34
Effect of cerebellar lesions on monoamine levels in various brain areas of the cat. Cano J, et al. **J Neurochem** 1980 Dec;35(6):1446-8
Monoamine and tissue fluid levels in contused spinal cord of sheep. Hinwood BG, et al. **J Neurochem** 1980 Oct; 35(4):786-91
Effect of L-tryptophan on mouse brain 5-hydroxytryptamine: comparison of values obtained using a fluorimetric assay and a liquid Chromatographic assay with electrochemical detection. Marsden CA. **J Neurochem** 1981 May;36(5):1621-6
Differences between intracellular platelet and brain proteins that bind serotonin. Tamir H, et al. **J Neurochem** 1980 Nov; 35(5):1033-44
On the involvement of serotonin in galactose brain toxicity. Yandrasitz J, et al. **J Neurochem** 1979 Dec;33(6):1321-3
Antagonism by (--)-methadone of the depletion of 5-hydroxytryptamine in rat brain by p-chloroamphetamine. Fuller RW, et al. **J Pharm Pharmacol** 1981 Jan;33(1):48-9
Biochemical markers of bleomycin toxicity: clearance of [14C]-5-hydroxytryptamine and [3H]norepinephrine by rabbit lung in vivo. Catravas JD, et al. **J Pharmacol Exp Ther** 1981 May;217(2):524-9
The effects of p-chloroamphetamine administration on locomotor activity and serotonin in neonatal and adult rats. Lucot JB, et al. **J Pharmacol Exp Ther** 1981 Jun; 217(3):738-44
Interaction of lithium and disulfiram in hexobarbital hypnosis: possible role of the 5-HT system. Minegishi A, et al. **J Pharmacol Exp Ther** 1981 Aug;218(2):481-7
Serotonin uptake by isolated adipose capillary endothelium. Robinson-White A, et al. **J Pharmacol Exp Ther** 1981 Jan; 216(1):125-8
The metabolism of 5-hydroxytryptamine in the methionine sulfoximine epileptogenic rat brain. Sellinger OZ, et al. **J Pharmacol Exp Ther** 1981 Jan;216(1):77-82
Effect of imipramine on central 5-hydroxytryptamine turnover and metabolism in rats. Segawa T, et al. **Jpn J Pharmacol** 1980 Dec;30(6):789-93
Effect of a cholecystokinin preparation on brain monoamines in the rat. Katsuura G, et al. **Jpn J Physiol** 1980;30(5):811-4
Disruption of 5-hydroxytryptaminergic neuronal function blocks the action of morphine on tuberoinfundibular dopaminergic neurons. Demarest KT, et al. **Life Sci** 1981 Mar 23;28(12):1345-51
Butanol extracts from myelin fragments. VI. Lack of specificity of 5-hydroxytryptamine binding to recombinate fraction with sulphatides and phosphatidylinositol. Ishitani R, et al. **Life Sci** 1980 Jul 28;27(4):291-8
The effect of morphine on the content of serotonin, 5-hydroxyindole acetic acid and substance-P in the nuclei raphe magnus and reticularis gigantocellularis. Lakoski JM, et al. **Life Sci** 1980 Dec 22-29;27(25-26):2639-44
Effect of selective destruction of serotonergic neurons in nucleus raphe magnus on morphine-induced antinociception. Mohrland JS, et al. **Life Sci** 1980 Dec 22-29;27(25-26):2627-32
Maternal meal quality alters fetal rat brain serotonin concentrations. Nelson MF, et al. **Life Sci** 1981 Jan 19; 28(3):231-7
Does high affinity [3H] imipramine binding label serotonin reuptake sites in brain and platelet? Paul SM, et al. **Life Sci** 1981 Jun 15;28(24):2753-60
Habenular modulation of raphe indoleamine metabolism. Speciale SG, et al. **Life Sci** 1980 Dec 15;27(24):2367-72
Relation of sex and ageing to serotonin metabolism in rats. Weil-Fugazza J, et al. **Mech Ageing Dev** 1980 Jun; 13(2):199-204
Characterization of serotonin uptake in isolated bovine pinealocyte suspensions. Ducis I, et al. **Mol Pharmacol** 1980 Nov;18(3):447-54
Evidence for a serotonin uptake system in isolated bovine pinealocyte suspensions. Ducis I, et al. **Mol Pharmacol** 1980 Nov;18(3):438-46
Immunoreactive substance P and serotonin present in the same dense-core vesicles. Pelletier G, et al. **Nature** 1981 Sep 3;293(5827):71-2
Kinetic characteristics of newly synthesized 3H-5-HT in the brain of control and reserpinized mice. Evidence for the heterogeneous distribution of 5-HT in serotoninergic neurons. Morot-Gaudry Y, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Jul; 316(4):311-6
Serotonin in experimental histidinemia. Douay O, et al. **Neurochem Res** 1980 Aug;5(8):897-903
[3H]Acetylcholine and [3H]5-hydroxytryptamine release from rat midbrain slices and the effects of calcium and phenobarbital. Richter JA, et al. **Neurochem Res** 1980 Jul; 5(7):719-30
The filum terminale of the frog spinal cord, a nontransformed glial preparation: II. Uptake of serotonin. Ritchie T, et al. **Neurochem Res** 1981 Apr;6(4):441-52
Postmortem changes of 5-hydroxytryptamine and 5-hydroxyindoleacetic acid in mouse brain and their prevention by pargyline and microwave irradiation. Van Wijk M, et al. **Neurochem Res** 1981 Apr;6(4):425-30
Hereditary diabetes insipidus in rats. Altered cerebral indolamine and catecholamine metabolism. Kovács GL, et al. **Neuroendocrinology** 1980 Sep;31(3):189-93
Effect of selective midbrain and diencephalic 5,7-dihydroxytryptamine lesions on serotonin content in individual preopticohypothalamic nuclei and on serum luteinizing hormone level. van de Kar LD, et al. **Neuroendocrinology** 1980 Nov;31(5):309-15
Loss of serotonin circadian rhythms in the pineal gland of androgenized female rats. Walker RF, et al. **Neuroendocrinology** 1980 Oct;31(4):265-9
Monoamine uptake into synaptosomes from various regions of rat brain following lithium administration and withdrawal. Ahluwalia P, et al. **Neuropharmacology** 1981 May;20(5):483-7
Interactions between a monofluorinated analogue of p-chloroamphetamine and 5-hydroxytryptamine in brain. Baker GB, et al. **Neuropharmacology** 1980 Dec; 19(12):1255-6
Methionine enkephalin-induced shaking behavior in rats:

dissociation from brain serotonin mechanisms. Drust EG, et al. **Neuropharmacology** 1981 May;20(5):473–5

Behavioural responses to drugs releasing 5-hydroxytryptamine and catecholamines: effects of treatments altering precursor concentrations in brain. Fernando JC, et al. **Neuropharmacology** 1981 Feb; 20(2):115–22

Effects of phenytoin on mouse cerebellar 5-hydroxytryptamine and norepinephrine. Fry BW, et al. **Neuropharmacology** 1981 Jun;20(6):623–5

The functional importance of increased brain tryptophan in the serotonergic response to restraint stress. Kennett GA, et al. **Neuropharmacology** 1981 Jan;20(1):39–43

Persistent effects of chronic administration of LSD on intracellular serotonin content in rat midbrain. Lee EH, et al. **Neuropharmacology** 1980 Oct;19(10):1005–7

Accelerated metabolism of probenecid during long-term treatment of rats with anticonvulsant drugs: effect on central serotonin turnover studies. Sharpless NS. **Neuropharmacology** 1981 Mar;20(3):211–6

Influence of corticosterone on serotonin metabolism in rat brain. Kovacs GL, et al. **Neurosci Behav Physiol** 1980 May–Jun;10(3):232–6

Long-term treatment with zimelidine leads to a reduction in 5-hydroxytryptamine neurotransmission within the central nervous system of the mouse and rat. Fuxe K, et al. **Neurosci Lett** 1981 Jan 1;21(1):57–62

Radioautographic study of uptake and storage of indoleamines in the rabbit enterochromaffin cells. Mourre C, et al. **Neurosci Lett** 1981 May 29;23(3):251–6

Similar kinetic characteristics of 5-hydroxytryptamine binding in blood platelets and brain membranes of rats. Von Hahn HP, et al. **Neurosci Lett** 1980 Dec;20(3):319–22

Serotonergic synaptic input to facial motoneurons: localization by electron-microscopic autoradiography. Aghajanian GK, et al. **Neuroscience** 1980;5(12):2155–62

Organization of ascending serotonin systems in the adult rat brain. A radioautographic study after intraventricular administration of [3H]5-hydroxytryptamine. Parent A, et al. **Neuroscience** 1981;6(2):115–38

Involvement of serotonin and catecholamine metabolism in cats trained to perform a delayed response task. Vachon L, et al. **Neuroscience** 1981;6(2):189–94

On the neurochemical basis of self-stimulation with midbrain raphe electrode placements. Deakin JF. **Pharmacol Biochem Behav** 1980 Oct;13(4):525–30

Substance P, hexapeptide pGlu6(SP6–11), analgesia and serotonin depletion. Mészáros J, et al. **Pharmacol Biochem Behav** 1981 Jan;14(1):11–5

Brain serotonin metabolism in hibernation. Popova NK, et al. **Pharmacol Biochem Behav** 1981 Jun;14(6):773–7

Effects of raphe magnus and raphe pallidus lesions on morphine-induced analgesia and spinal cord monoamines. Proudfit HK. **Pharmacol Biochem Behav** 1980 Nov; 13(5):705–14

Brain 5-hydroxytryptamine metabolism after portocaval anastomosis: relationship with ambulation. Tricklebank MD, et al. **Pharmacol Biochem Behav** 1981 Feb; 14(2):259–62

The effect of serotonin depletion on the discriminability of LSD. White FJ, et al. **Pharmacol Biochem Behav** 1980 Oct; 13(4):569–74

Effect of immobilization and of elevation of the 5-hydroxytryptamine concentrations in the brain stem on liver tryptophan pyrrolase activity in a hibernator [the golden hamster]. Novotná R. **Physiol Bohemoslov** 1981; 30(1):27–33

Effect of local ischaemia on catecholamine and 5-hydroxytryptamine levels in dog brain. Pástorová B, et al. **Physiol Bohemoslov** 1981;30(1):91–4

Effects of histamine H1- and H2-receptor antagonists on dopamine, noradrenaline and serotonin systems in rat brain. Nowak JZ. **Pol J Pharmacol Pharm** 1980 Jul–Aug; 32(4):451–61

Lipid fluidity markedly modulates the binding of serotonin to mouse brain membranes. Heron DS, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7463–7

Effect of doxepin on serotonin metabolism in rat brain and serotonin uptake by human blood platelets. Jamnicky B, et al. **Prog Neuropsychopharmacol** 1980;4(3):253–60

Evidence that it is possible to cause anorexia by increasing release and/or directly stimulating postsynaptic serotonin receptors in the brain. Samanin R, et al. **Prog Neuropsychopharmacol** 1980;4(4–5):363–9

Glucocorticoid effects on serotonergic and noradrenergic facilitation of spinal monosynaptic transmission. Hall ED. **Psychiatry Res** 1980 Jul;2(3):241–50

Central serotonin metabolism and frequency of depression. van Praag HM, et al. **Psychiatry Res** 1979 Dec;1(3):219–24

Tryptophol-induced change in Brain 5-hydroxytryptamine Metabolism. Fukumori R, et al. **Psychopharmacology (Berlin)** 1980;69(3):243–6

Inhibition of 5-hydroxytryptamine and noradrenaline uptake in platelets and synaptosomes incubated in plasma from human subjects treated with amitryptyline or nortriptyline: utilization of the principle for a bioassay method. Tuomisto J, et al. **Psychopharmacology (Berlin)** 1980;69(2):137–42

The effects of d-amphetamine and potassium on serotonin release and metabolism in rat cerebral cortex tissue. Homan HD, et al. **Res Commun Chem Pathol Pharmacol** 1981 Feb; 31(2):223–40

Two pools of amines in synaptic vesicles of rat pineal nerves. Pellegrino de Iraldi A, et al. **Rev Can Biol** 1981 Mar; 40(1):101–9

Binding of 5-hydroxytryptamine to brain hydrophobic proteins. Inhibition by structural analogues and ions. Cabello FM. **Rev Esp Fisiol** 1980 Dec;36(4):409–12

Release of immunoreactive serotonin into the lumen of the feline gut in response to vagal nerve stimulation. Ahlman H, et al. **Science** 1981 Sep 11;213(4513):1254–5

Environmental influences on serotonin and cyclic nucleotides in rat cerebral cortex. Diamond MC, et al. **Science** 1980 Nov 7;210(4470):652–4

High-affinity [3H]imipramine binding in rat hypothalamus: association with uptake of serotonin but not of norepinephrine. Langer SZ, et al. **Science** 1980 Dec 5; 210(4474):1133–5

Some characteristics of mouse platelet aggregation and a comparison of the activity of a range of compounds in mouse and human platelet-rich plasma in vitro. Nunn B. **Thromb Haemost** 1981 Feb 23;45(1):1–5

Alterations in the serotonin release response in mechanically injured platelets. Bernstein EF, et al. **Thromb Res** 1980 Oct 1;20(1):1–12

Inhibition of platelet aggregation and release in a forming immune complex system. Clark WF, et al. **Thromb Res** 1980 Aug 15–Sep 1;19(4–5):687–93

5-hydroxytryptamine and adenine uptake by human blood platelets following the release reaction. Wesemann W, et al. **Thromb Res** 1981 Feb–Mar;21(4–5):367–74

Serotonin kinetics in the mechanically injured platelet. Feuerstein IA, et al. **Trans Am Soc Artif Intern Organs** 1980;26:172–8

[A study of renovation rate of dopamine and 5-hydroxytryptamine in brain in chronic schizophrenics (author's transl)] Shen YC. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1979; 12(3):158–60 **(Chi)**

[Effect of reserpine on monoamine uptake by rat brain synaptosomes] Blaschke M, et al. **Acta Biol Med Ger** 1980; 39(11–12):1205–12 (Eng. Abstr.) **(Ger)**

[Development of biological psychiatric depression research (author's transl)] Matussek N. **MMW** 1981 May 8; 123(19):793–4 (Eng. Abstr.) **(Ger)**

[Possible role of serotonin in the etiology of platelet hyperaggregation after bloodletting in patients with chronic respiratory insufficiency] Cordova C, et al. **Clin Ter** 1979 Sep 15;90(5):489–501 (Eng. Abstr.) **(Ita)**

[Alcohol and neurotransmitters. Review of literature and experimental research] Torre E, et al. **Minerva Psichiatr** 1981 Jan–Mar;22(1):7–12 (Eng. Abstr.) **(Ita)**

[Alteration of biogenic amines, serotonin, histamine and polyamines, in cases of diarrhea induced by various cathartics (author's transl)] Sakurai E, et al. **Nippon Yakurigaku Zasshi** 1980 Sep;76(5):293–9 (Eng. Abstr.) **(Jpn)**

[Desoxyribonucleid and ribonucleid acids and 5-hydroxytriptamine in the endometrium of patients with bleedings from the uterus (author's transl)] Grudzień M, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 1979; 34:363–9 (Eng. Abstr.) **(Pol)**

[Concentration of serotonin (5-HT) and monoamine oxidase activity in the placentas of women with pregnancy toxemias] Doraczyński H. **Ginekol Pol** 1980 Dec; 51(12):1093–7 (Eng. Abstr.) **(Pol)**

[Serotonin in the course of acute glomerulonephritis in children] Szajner-Milart I. **Pediatr Pol** 1980 Jun; 55(6):729–38 (Eng. Abstr.) **(Pol)**

[Blood and skin histamine and serotonin levels in rats following second degree burns] Nowik-Jurek M, et al. **Pol Tyg Lek** 1981 May 4;36(18):631–5 (Eng. Abstr.) **(Pol)**

[Interaction of indoleamines with serotonergic receptors of brain synaptosomes] Uzbekov MG, et al. **Biokhimiia** 1980 Jan;45(1):109–12 (Eng. Abstr.) **(Rus)**

[Serotonin and D-lysergic acid diethylamide receptors in the mammalian brain] Vlasova TI, et al. **Biol Nauki** 1981; (5):5–16 (87 ref.) **(Rus)**

[Effect of prostaglandins E2 and F2 on mast cell serotonin content in experimental pancreatitis] Aleksandrov PN, et al. **Biull Eksp Biol Med** 1981 May;91(5):535–7 (Eng. Abstr.) **(Rus)**

[pH gradient in the membranes of serotonin-containing granules of thrombocytes: principles for studying them using fluorescent amino-derivatives of acridine] Kozlov VK, et al. **Biull Eksp Biol Med** 1981 Feb;91(2):155–7 (Eng. Abstr.) **(Rus)**

[Use of a 'Microvideomat' television analyzer to evaluate the functional state of a population of rat duodenal enterochromaffin cells] Zhukotskiĭ AV, et al. **Biull Eksp Biol Med** 1981 May;91(5):628–30 (Eng. Abstr.) **(Rus)**

[Mediators of inflammation and vascular permeability in the early phase of acute experimental pleurisy] Lipshits RU, et al. **Fiziol Zh** 1981 Mar–Apr;27(2):224–7 (Eng. Abstr.) **(Rus)**

[Serotonin and histamine metabolism in the lungs in various types of surgical pathology and the effect of metabolic changes on the lesser circulation and intrapulmonary shunting during surgery] Gimmel'farb GN, et al. **Grudn Khir** 1981 Jul–Aug;(4):76–9 (Eng. Abstr.) **(Rus)**

[Histamine and serotonin metabolism changes in the blood and lymph in peritonitis] Il'icheva RF, et al. **Khirurgiia (Mosk)** 1981 Jul;(7):46–51 (Eng. Abstr.) **(Rus)**

[Comparative radioautographic study of 35S--sulfate and 3H-serotonin incorporation into the mast cells of a number of rodents] Chernyshova EV. **Ontogenez** 1980;11(2):192–5 (Eng. Abstr.) **(Rus)**

[Various aspects of serotonin metabolism in thyrotoxicosis] Natarov VV, et al. **Probl Endokrinol (Mosk)** 1981 Jan–Feb; 27(1):16–20 (Eng. Abstr.) **(Rus)**

[Effect of disturbance of the liver and myocardium innervation on the histamine and serotonin contents in their tissues] Aksenova VM. **Ukr Biokhim Zh** 1980 Sep–Oct; 52(5):569–72 (Eng. Abstr.) **(Rus)**

[Content of biogenic amines in brain under artificial and natural cooling of animals] Emirbekov EZ, et al. **Ukr Biokhim Zh** 1980 Jul–Aug;52(4):418–22 (Eng. Abstr.) **(Rus)**

[Therapeutic activity of tryptophan and its effect on serotonin metabolism in epilepsy patients] Avanesova TS, et al. **Zh Nevropatol Psikhiatr** 1980;80(6):857–63 (Eng. Abstr.) **(Rus)**

[The effect of beta-adrenoceptor blocking drugs on the release of 5-hydroxytryptamine from isolated mast cells (author's transl)] Drábiková K, et al. **Bratisl Lek Listy** 1981; 76(1):52–60 (Eng. Abstr.) **(Slo)**

PHARMACODYNAMICS

Enhancement of the sensitivity of Tetrahymena to a second hormonal influence by hormone pretreatment. Csaba G, et al. **Acta Biol Med Ger** 1980;39(10):1027–30

Effect of epinephrine and 5-hydroxytryptamine on in vitro thyroid iodine organification. Masini-Repiso AM, et al. **Acta Endocrinol (Copenh)** 1981 Jun;97(2):207–12

Stimulation by serum of aldosterone production from rat adrenal glomerulosa cells in vitro: relationships to K+, serotonin and angiotensin II. Mendelsohn FA, et al. **Acta Endocrinol (Copenh)** 1981 Jun;97(2):231–42

Study of the effect of TRH on the serotonin catecholaminergic thyroid regulation. Szántó L, et al. **Acta Med Acad Sci Hung** 1980;37(1):25–38

Thermal neutrality and the effect of intraventricular 5-hydroxytryptamine on oxygen consumption in the conscious neonatal rabbit. Szelényi Z, et al. **Acta Physiol Acad Sci Hung** 1980;55(2):135–47

Central action of 6-hydroxytryptamine in rats. Jamrozik-Kruk Z, et al. **Acta Physiol Pol** 1980 May–Jun; 31(3):253–60

Simultaneous measurements of capillary filtration and diffusion capacities during graded infusions of noradrenaline (NA) and 5-hydroxytryptamine (5-HT) into the rat hindquarter vascular bed. Rippe B, et al. **Acta Physiol Scand** 1980 Jul;109(3):265–73

The pharmacology of zimelidine: a 5-HT selective reuptake inhibitor. Ogren SO, et al. **Acta Psychiatr Scand [Suppl]** 1981;63(Suppl 290):127–51

Effect of serotonin on active electrolyte transport in rabbit ileum, gallbladder, and colon. Donowitz M, et al. **Am J Physiol** 1980 Dec;239(6):G463–72

Plethysmographic registration of volume changes in a hand vein. Effects of serotonin and of a specific antagonist. Jageneau AH, et al. **Angiology** 1980 Dec;31(12):828–32

Differential interaction of 5-HT with chicken and rat aorta. Laekeman GM, et al. **Arch Int Pharmacodyn Ther** 1981 Apr;250(2):318–20

Effect of 5-hydroxytryptamine on mesenteric hemodynamics in the pig. Schrauwen E, et al. **Arch Int Pharmacodyn Ther** 1980 Aug;246(2):257–63

Effects of iontophoretic 5-hydroxytryptamine on the unitary discharge frequency of caudate nucleus neurons in the rat. Zagami MT, et al. **Arch Int Physiol Biochim** 1980 May; 88(2):191–8

Serotonin receptors subserve only contraction in canine and rat pulmonary arteries and veins. Chand N, et al. **Artery** 1980;7(3):232–45

5,7-dihydroxytryptamine-induced mouse killing and behavioral reversal with ventricular administration of serotonin in rats. Applegate CD. **Behav Neural Biol** 1980 Oct;30(2):178–90

Spleen lipids: effect of whole body gamma irradiation and radioprotective chemicals. Ramanathan R, et al. **Biochem Exp Biol** 1979;15(4):361–9

Presence of histamine and serotonin receptors associated with adenylate cyclase in cultured calf-aorta smooth muscle cells. Pharmacological characterization of the histamine response. Luchins AR, et al. **Biochem Pharmacol** 1980 Dec 1;29(23):3155–61

Serotonin-sensitive adenylate cyclase and [3H]serotonin binding sites in the CNS of the rat--I. Nelson DL, et al. **Biochem Pharmacol** 1980 Sep 15;29(18):2445–53

Serotonin-sensitive adenylate cyclase and [3H]serotonin binding sites in the CNS of the rat--II. Respective regional and subcellular distributions and ontogenetic developments. Nelson DL, et al. **Biochem Pharmacol** 1980 Sep 15; 29(18):2455–63

Inhibition of ionic transport and ATPase activities by serotonin analogues in the isolated toad lens. Candia OA, et al. **Biochim Biophys Acta** 1980 Nov 4;602(2):389–400

Vascular smooth muscle response to fibrinogen degradation products and 5-hydroxytryptamine: possible role in cerebral vasospasm in man. Forster C, et al. **Br J Clin Pharmacol** 1980 Sep;10(3):231–6

The reliability of 5-hydroxytryptamine induced platelet aggregation responses in schizophrenic patients treated with neuroleptic drugs. Knox JM, et al.

Br J Clin Pharmacol 1981 Mar;11(3):261–3
The effects of neuroleptic drugs on 5-hydroxytryptamine induced platelet aggregation in schizophrenic patients. Orr MW, et al. **Br J Clin Pharmacol** 1981 Mar;11(3):255–9
5-Hydroxytryptamine induces relaxation of goat pulmonary veins: evidence for the noninvolvement of M and D-tryptamine receptors. Chand N. **Br J Pharmacol** 1981 Feb;72(2):233–7
Different hypothalamic receptors mediate 5-hydroxytryptamine- and tryptamine-induced core temperature changes in the rat. Cox B, et al. **Br J Pharmacol** 1981 Mar;72(3):477–82
In vivo pharmacological studies on the interactions between tryptamine and 5-hydroxytryptamine. Jones RS. **Br J Pharmacol** 1981 Jun;73(2):485–93
Effects of divalent cations on responses of a sympathetic ganglion to 5-hydroxytryptamine and 1,1-dimethyl-4-phenyl piperazinium. Nash HL, et al. **Br J Pharmacol** 1981 Jul;73(3):759–72
The effects of chronic section of dorsal roots on the responsiveness of motoneurones to 5-hydroxytryptamine and a substance P analogue. Roberts MH, et al. **Br J Pharmacol** 1981 Jul;73(3):589–94
Inhibition of reflex vagal bradycardia by a central action of 5-hydroxytryptophan. Tadepalli AS. **Br J Pharmacol** 1980 Aug;69(4):647–50
5-hydroxytryptamine controls ACh-receptor sensitivity of bullfrog sympathetic ganglion cells. Akasu T, et al. **Brain Res** 1981 Apr 27;211(1):217–20
Serotonin, dopamine and intracellular cyclic AMP inhibit the responses of nicotinic cholinergic membrane in snail neurons. Akopyan AR, et al. **Brain Res** 1980 Nov 17; 201(2):480–4
Spinal modulation of the acoustic startle response: the role of norepinephrine, serotonin and dopamine. Astrachan DI, et al. **Brain Res** 1981 Feb 9;206(1):223–8
The response of individual sympathetic preganglionic neurones to microelectrophoretically applied endogenous monoamines. Coote JH, et al. **Brain Res** 1981 Jun 29; 215(1–2):135–45
Monoaminergic denervation of the rat hippocampus: microiontophoretic studies on pre- and postsynaptic supersensitivity to norepinephrine and serotonin. De Montigny C, et al. **Brain Res** 1980 Nov 3;200(2):363–76
[3H]5-HT binding sites and 5-HT-sensitive adenylate cyclase in glial cell membrane fraction. Fillion G, et al. **Brain Res** 1980 Oct 6;198(2):361–74
Hypoalgesia induced by microinjection of a norepinephrine antagonist in the raphe magnus: reversal by intrathecal administration of a serotonin antagonist. Hammond DL, et al. **Brain Res** 1980 Nov 17;201(2):475–9
Pressor effects of dorsal raphe stimulation and intrahypothalamic application of serotonin in the spontaneously hypertensive rat. Wolf WA, et al. **Brain Res** 1981 Mar 9;208(1):192–7
Contractile effects of 5-hydroxytryptamine in isolated intrapulmonary arteries and veins. Gruetter CA, et al. **Can J Physiol Pharmacol** 1981 Feb;59(2):157–62
Migration of Hymenolepis diminuta (Cestoda) and changes in 5-HT (serotonin) levels in the rat host following parenteral and oral 5-HT administration. Mettrick DF, et al. **Can J Physiol Pharmacol** 1981 Mar;59(3):281–6
The effect of polymyxin B and some mast-cell constituents on mucosal mast cells in the duodenum of the rat. Enerbäck L, et al. **Cell Tissue Res** 1981;214(2):239–46
Effect of monoamines on the taste buds in the mouse. Takeda M, et al. **Cell Tissue Res** 1980;210(1):71–8
The selective inhibition of serotonin-induced contractions of rabbit cerebral vascular smooth muscle by calcium-antagonistic dihydropyridines. An investigation of the mechanism of action of nimodipine. Towart R. **Circ Res** 1981 May;48(5):650–7
Reflex cardiovascular and respiratory effects of serotonin in conscious and anesthetized dogs. Zucker IH, et al. **Circ Res** 1980 Oct;47(4):509–15
Vascular responsiveness to norepinephrine, serotonin, and potassium chloride in veins from spontaneously hypertensive and age-matched Wistar Kyoto rats. Cohen ML, et al. **Clin Exp Hypertens** 1979;1(6):761–78
Effects of hormones on the RNA-synthesis of Tetrahymena pyriformis. Csaba G, et al. **Comp Biochem Physiol [C]** 1981; 68C(2):251–3
Serotonin regulation of corticoid secretion in infant rats. Grota LJ. **Dev Psychobiol** 1981 May;14(3):221–8
Serotonin stimulates thyrotropin-releasing hormone release from superfused rats hypothalami. Chen YF, et al. **Endocrinology** 1981 Jun;108(6):2359–66
Dopamine in hypophysial portal plasma and prolactin in systemic plasma of rats treated with 5-hydroxytryptamine. Pilotte NS, et al. **Endocrinology** 1981 Jun;108(6):2137–41
Somatostatin release from rat hypothalamus in vitro: effects of melatonin and serotonin. Richardson SB, et al. **Endocrinology** 1981 Aug;109(2):602–6
The effects of serotonin on prolactin and growth hormone concentrations in normal and pituitary stalk-sectioned monkeys. Wehrenberg WB, et al. **Endocrinology** 1980 Dec; 107(6):1747–50
The identity of the serotonin-sensitive aryl acylamidase with acetylcholinesterase from human erythrocytes, sheep basal ganglia and electric eel. George ST, et al. **Eur J Biochem** 1980 Oct;111(2):511–24
Characterization and radioautography of [3H]LSD binding by rat brain slices in vitro: the effect of 5-hydroxytryptamine. Meibach RC, et al. **Eur J Pharmacol** 1980 Oct 31;67(4):371–82
Differential effects of clomipramine and clorgyline on the sensitivity of cortical neurons to serotonin: effect of chronic treatment. Olpe HR. **Eur J Pharmacol** 1981 Jan 29; 69(3):375–7
Relative activities of substances related to 5-hydroxytryptamine as depolarizing agents of superior cervical ganglion cells. Wallis D, et al. **Eur J Pharmacol** 1981 Mar 26;70(3):381–92
Effect of monoamines on firing rate and thermal sensitivity of neurons in the preoptic area of awake rabbits. Gordon CJ, et al. **Exp Neurol** 1981 May;72(2):352–65
Norepinephrine and serotonin: opposite effects on the activity of lateral geniculate neurons evoked by optic pathway stimulation. Rogawski MA, et al. **Exp Neurol** 1980 Sep; 69(3):678–94
Cardioactive substances in blood: the actions of serotonin on isolated guinea-pig atria. Jones RM, et al. **Gen Pharmacol** 1980;11(5):463–7
Vasoconstrictor effects of serotonin in the isolated superior mesenteric artery of cat. Marín J, et al. **Gen Pharmacol** 1981;12(2):97–101
The action of 5-hydroxytryptamine and possible 5-hydroxytryptamine antagonists on neurones of the guinea-pig submucous plexus. Neild TO. **Gen Pharmacol** 1981;12(4):281–4
The intracranial injection of drugs in goldfish. II. Preliminary report of behavior of serotonin as a potential hallucinogen when injected intracranially and intraabdominally. Abramson HA, et al. **J Asthma Res** 1980 Jul;17(4):175–6
Tachyphylaxis to 5-hydroxytryptamine in perfused kidneys from spontaneously hypertensive and normotensive rats. Collis MG, et al. **J Cardiovasc Pharmacol** 1981 Mar–Apr; 3(2):229–35
Serotonin stimulates adenosine 3',5'-monophosphate accumulation in parathyroid adenoma. Zimmerman D, et al. **J Clin Endocrinol Metab** 1980 Dec;51(6):1274–8
Further studies on the stimulation of rat adrenal capsular cells: four types of response. Tait JF, et al. **J Endocrinol** 1980 Oct;87(1):11–27
Amines and a peptide as neurohormones in lobsters: actions on neuromuscular preparations and preliminary behavioural studies. Kravitz EA, et al. **J Exp Biol** 1980 Dec;89:159–75
Serotonin and its precursors as modulators of the immunological responsiveness in mice. Bliznakov EG. **J Med** 1980;11(2–3):81–105
Presynaptic control of the synthesis and release of dopamine from striatal synaptosomes: a comparison between the effects of 5-hydroxytryptamine, acetylcholine, and glutamate. de Belleroche JS, et al. **J Neurochem** 1980 Nov; 35(5):1227–34
Serotonin induces a voltage-sensitive calcium current in neurons of Aplysia californica. Pellmar TC, et al. **J Neurophysiol** 1980 Sep;44(3):423–39
Neurotransmitter- and neuromodulator-dependent alterations in phosphorylation of protein I in slices of rat facial nucleus. Dolphin AC, et al. **J Neurosci** 1981 Feb; 1(2):192–203
Cerebrovascular reactivity to noradrenaline and serotonin following experimental subarachnoid hemorrhage. Lobato RD, et al. **J Neurosurg** 1980 Oct;53(4):480–5
Immobility test: effects of 5-hydroxytryptaminergic drugs and role of catecholamines in the activity of some antidepressants. Borsini F, et al. **J Pharm Pharmacol** 1981 Jan;33(1):33–7
Influence of calcium on noradrenaline release evoked by 5-hydroxytrypamine and potassium from goat pial arteries. Marin J, et al. **J Pharm Pharmacol** 1980 Sep;32(9):643–6
Analysis of the cerebrovascular effects of 5-hydroxytryptamine in unanesthetized goats. Dieguez G, et al. **J Pharmacol Exp Ther** 1981 Mar;216(3):599–603
Evidence for a presynaptic inhibitory action of 5-hydroxytryptamine in a mammalian sympathetic ganglion. Dun NJ, et al. **J Pharmacol Exp Ther** 1981 Jun; 217(3):714–8
5-Hydroxytryptamine-induced hypothermia in rats as an in vivo model for the quantitative study of 5-hydroxytryptamine receptors. Cox B, et al. **J Pharmacol Methods** 1981 Jan;5(1):43–51
The influence of laboratory anaesthetics on the increased cutaneous vascular permeability responses to histamine and 5-hydroxytryptamine in rats. O'Duffy G, et al. **J Pharmacol Methods** 1980 Nov;4(3):231–5
The effects of 5-hydroxytryptamine, histamine and acetylcholine on the reactivity of the lung of the anaesthetized dog. Dixon M, et al. **J Physiol (Lond)** 1980 Oct;307:85–96
Vasoactive intestinal polypeptide, 5-hydroxytryptamine and reflex hyperaemia in the small intestine of the cat. Eklund S, et al. **J Physiol (Lond)** 1980 May;302:549–57
Multiple actions of 5-hydroxytryptamine on myenteric neurones of the guinea-pig ileum. Johnson SM, et al. **J Physiol (Lond)** 1980 Jul;304:459–70
The action of serotonin in the rat hippocampal slice preparation. Segal M. **J Physiol (Lond)** 1980 Jun;303:423–39
Effect of progesterone therapy on the responses of the isolated rat stomach fundus strip preparations to 5-hydroxytryptamine and acetylcholine. Qayum A, et al. **JPMA** 1981 Apr;31(4):84–8
The effect of 5-hydroxytryptamine on the slow inward current of bullfrog atrium. Tokimasa T. **Jpn Heart J** 1981 Mar;22(2):227–37
Aggravating effect of serotonin on gastric ulceration induced by thermocautery under the healing process in mice. Watanabe K, et al. **Jpn J Pharmacol** 1980 Jun;30(3):377–87
Effect of serotonin on uterine blood flow in pregnant and nonpregnant sheep. Clark KE, et al. **Life Sci** 1980 Dec 22–29;27(25–26):2655–61
Motor effects of serotonin in the central nervous system. Gerson SC, et al. **Life Sci** 1980 Oct 20;27(16):1435–51 (124 ref.)
Mechanism of stimulation of cardiac myocyte beating rate by 5-hydroxytryptamine. Higgins TJ, et al. **Life Sci** 1981 Mar 2;28(9):999–1005
Tryptamine and 5-hydroxytryptamine: actions and interactions of cortical neurones in the rat. Jones RS, et al. **Life Sci** 1980 Nov 17;27(20):1849–56
Size heterogeneity of plasma prolactin in the rat: TRH and serotonin-induced changes. Lawson DM, et al. **Life Sci** 1980 Sep 29;27(13):1147–51
Dopamine independent rotational response to unilateral intranigral injection of serotonin. Oberlander C, et al. **Life Sci** 1981 Jun 8;28(23):2595–601
Role of cyclic AMP in a serotonin-evoked slow inward current in snail neurones. Deterre P, et al. **Nature** 1981 Apr 30;290(5809):783–5
Serotonin stimulates phosphorylation of protein I in the facial motor nucleus of rat brain. Dolphin AC, et al. **Nature** 1981 Jan 1;289(5793):76–9
Intracellular studies showing modulation of facial motoneurone excitability by serotonin. VanderMaelen CP, et al. **Nature** 1980 Sep 25;287(5780):346–7
Monoamine regulation of adenosine 3',5'-monophosphate in homogeneous neuronal cultures from chick brain hemispheres. Ciesielski-Treska J, et al. **Neurochem Res** 1980 Oct;5(10):1097–106
Effect of manipulation of brain dopaminergic or serotoninergic systems on basal pulsatile LH release and perisuprachiasmatic-induced suppression of pulsatile LH release in ovariectomized rats. Gallo RV. **Neuroendocrinology** 1980 Sep;31(3):161–7
Similar motor effects of 5-HT and TRH in rats following chronic spinal transection and 5,7-dihydroxytryptamine injection. Barbeau H, et al. **Neuropharmacology** 1981 May; 20(5):477–81
Injections of dopaminergic, cholinergic, serotoninergic and GABAergic drugs into the nucleus accumbens: effects on locomotor activity in the rat. Jones DL, et al. **Neuropharmacology** 1981 Jan;20(1):29–37
Involvement of 5-hydroxytryptamine and dopamine neurones in the behavioural effects of alpha-methylytryptamine. Marsden CA. **Neuropharmacology** 1980 Aug;19(8):691–8
Denervation supersensitivity to serotonin in the facial nucleus. McCall RB, et al. **Neuroscience** 1979;4(10):1501–10
The interaction between reflex apnoea and bradycardia produced by injecting 5-HT into the nodose ganglion of the cat. Sutton PM. **Pfluegers Arch** 1981 Mar;389(3):181–7
Effects of serotonin and L-5-hydroxytryptophan on plasma renin activity in rats. Barney CC, et al. **Pharmacol Biochem Behav** 1981 Jun;14(6):895–900
Circling produced by serotonin and dopamine agonists in raphe lesioned rats: a serotonin model. Slater P. **Pharmacol Biochem Behav** 1980 Dec;13(6):817–21
Motor responses to 5-HT of the bovine rumen wall in vitro during fetal development. Arias JL, et al. **Pharmacol Res Commun** 1980 Nov;12(10):975–85
Serotonin-induced hyperpolarization of an indentified Aplysia neuron is mediated by cyclic AMP. Drummond AH, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):5013–7
Blocking effects of cyproheptadine and methysergide upon two different cardiovascular responses to serotonin. Hageman GR, et al. **Proc Soc Exp Biol Med** 1980 Dec; 165(3):420–3
The effect of unilateral and bilateral glossopharyngealotomy on reflex bronchoconstriction induced by diazoxide or serotonin. Peterson MA, et al. **Proc West Pharmacol Soc** 1981;24:359–62
Enhancement of 5-hydroxytryptamine-induced behavioral effects following chronic administration of antidepressant drugs. Jones RS. **Psychopharmacology (Berlin)** 1980; 69(3):307–11
Prolonged stimulation of respiration by endogenous central serotonin. Millhorn DE, et al. **Respir Physiol** 1980 Dec; 42(3):171–88
Possible mechanism of stimulation of gastrin secretion by exogenous serotonin in rats. Hierro JH, et al. **Rev Esp Fisiol** 1980 Sep;36(3):285–90
Characterization of the protective effect of radioprotective substances by means of long-term changes in oxygen consumption. Mišustová J, et al. **Strahlentherapie** 1980 Nov; 156(11):790–4
Failure of histamine type mediators to enhance vascular permeability in experimental liver metastases. Ackerman NB, et al. **Surg Gynecol Obstet** 1980 Nov;151(5):647–51
[Relation between dopamine and serotonin motor effects on isolated rat duodenum. Possible participation of an excitatory dopaminergic receptor] Miachon S, et al. **Arch Int Physiol Biochim** 1980 Aug;88(3):241–54 (Eng. Abstr.) **(Fre)**
[Hypnotic effect of serotonin administered in the vago-aortic

afferent pathway] Sayadi AK, et al. **C R Acad Sci [D] (Paris)** 1980 Oct 13;291(6):569–72 (Eng. Abstr.) **(Fre)**

[Studies of the effect of 2,3-dioxoindolin (isatin) in comparison with serotonin on the isolated guinea pig ileum] Fischer W, et al. **Acta Biol Med Ger** 1980;39(4):461–7 (Eng. Abstr.) **(Ger)**

[Serotonin action on plasma total lipids, triglycerides and NEFA in rats] Acunzo S, et al. **Boll Soc Ital Biol Sper** 1980 Dec 30;56(24):2641–5 (Eng. Abstr.) **(Ita)**

[Serum transaminase activity (GOT and GPT) in rats injected with serotonin] Acunzo S, et al. **Boll Soc Ital Biol Sper** 1981 Jan 15;57(1):76–9 (Eng. Abstr.) **(Ita)**

[Influence of serotonin on some serum enzyme activities in rats] Brizzi G, et al. **Boll Soc Ital Biol Sper** 1979 Sep 15; 55(17):1780–6 (Eng. Abstr.) **(Ita)**

[Oxygen consumption in organs of rats treated with serotonin] Brizzi G, et al. **Boll Soc Ital Biol Sper** 1979 Sep 15;55(17):1787–93 (Eng. Abstr.) **(Ita)**

[Serotonin action of CPK and alpha-HBDH activities in the heart and muscle of rats] Brizzi G, et al. **Boll Soc Ital Biol Sper** 1980 Dec 30;56(24):2635–40 (Eng. Abstr.) **(Ita)**

[In-vitro evaluation of morphine dependence. II. Response of the fat 'fundus' to 5-HT] Eandi M, et al. **Boll Soc Ital Biol Sper** 1979 Sep 15;55(17):1680–6 (Eng. Abstr.) **(Ita)**

[Modulation of the effect of morphine on the isolated guinea pig intestine by noradrenaline and serotonin] Sarto G. **Boll Soc Ital Biol Sper** 1981 Feb 28;57(4):394–400 (Eng. Abstr.) **(Ita)**

[Effect of dolantin and serotonin on the degree of perfusion tension in gestotic placenta] Zrubek H, et al. **Ginekol Pol** 1980 Dec;51(12):1079–85 (Eng. Abstr.) **(Pol)**

[Changes in neuronal responses to multiple administrations of serotonin] Solntseva EI, et al. **Dokl Akad Nauk SSSR** 1981;256(6):1499–503 **(Rus)**

[Effect of serotonin on transcapillary exchange and circulatory homeostasis of proteins] Ainson KhKh, et al. **Fiziol Zh SSSR** 1981 Jan;67(1):148–52 (Eng. Abstr.) **(Rus)**

[Desensitization of the isolated rat myometrium to biologically active substances] Bordunovskaia VP, et al. **Fiziol Zh SSSR** 1981 Mar;67(3):390–7 (Eng. Abstr.) **(Rus)**

[Differences between the effects of histamine and serotonin on regional lympho- and hemodynamics] Kul'baev IS. **Fiziol Zh SSSR** 1981 Jan;67(1):142–7 **(Rus)**

[Effect of serotonin and histamine on the contractile function of the smooth muscle of veins of the head] Priklonskaia EG. **Fiziol Zh SSSR** 1981 Jan;67(1):174–7 **(Rus)**

[Effect of monoamines on motoneurons of isolated rat spinal cord] Komissarov IV, et al. **Neirofiziologiia** 1980; 12(4):391–6 (Eng. Abstr.) **(Rus)**

[Effects of certain biologically active compounds and bivalent cations on lactate and malate dehydrogenase activities in cerebral cellular fractions] Bdovichenko LM. **Ukr Biokhim Zh** 1981 May-Jun;53(3):66–70 (Eng. Abstr.) **(Rus)**

[Effect of neuromediators on NADH oxidation in rat brain tissue] Vdovichenko LM. **Ukr Biokhim Zh** 1981 Jan-Feb; 53(1):10–5 (Eng. Abstr.) **(Rus)**

[Role of acetylcholine, catecholamines and serotonin in the regulation of systemic and portal circulation] Kovalenko NIa, et al. **Vestn Akad Med Nauk SSSR** 1980;(11):29–36 (Eng. Abstr.) **(Rus)**

[Mechanisms of serotonin participation in the consolidation of temporary connections] Getsova VM, et al. **Zh Vyssh Nerv Deiat** 1980 Sep-Oct;30(5):988–93 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Analgesia induced by electrical stimulation of the brain stem in animals: involvement of serotoninergic mechanisms. Besson JM, et al. **Acta Neurochir [Suppl] (Wien)** 1980; (30):201–17

Effects of different monoamine oxidase inhibitors on respiratory activity in rats with chronically impaired central serotonergic function. Mueller RA, et al. **Acta Pharmacol Toxicol (Copenh)** 1980 Oct;47(4):285–93

Endotoxin fever in the newborn kitten. The role of prostaglandins and monoamines. Székely M. **Acta Physiol Acad Sci Hung** 1979;54(3):265–76

Pre- and postsynaptic effects of zimelidine and norzimelidine on the serotoninergic system: single cell studies in the rat. de Montigny C, et al. **Acta Psychiatr Scand [Suppl]** 1981; 63(Suppl 290):79–90

Role of serotonin (5-HT) in drug tolerance and general adaptation. Khanna JM, et al. **Acta Psychiatr Scand [Suppl]** 1980;Suppl 286:161–70

Pharmacological modulation of edema mediated by prostaglandin, serotonin and histamine. Holsapple MP, et al. **Agents Actions** 1980 Sep;10(4):368–73

On some relationships between GABA-ergic and 5-HT-ergic mechanisms in pentylenetetrazol convulsive-seizure reactions. Lazarova M, et al. **Agressologie** 1980;21(5):253–7

Serotoninergic system and circadian rhythms of ACTH and corticosterone in rats. Szafarczyk A, et al. **Am J Physiol** 1980 Dec;239(6):E482–9

On the brain monoaminergic systems relating to ejaculation. III) Further study by using a peripheral decarboxylase inhibitor. Kimura Y, et al. **Andrologia** 1980 Jul-Aug; 12(4):354–9

Evidence for the involvement of serotoninergic system in the male-induced ovo-implantation failure (Bruce effect) in mice. Sahu SC, et al. **Ann Endocrinol (Paris)** 1980 Sep-Oct;41(5):425–9

Role of platelets in vasogenic brain edema. II. Contribution of platelet serotonin in brain edema. Segawa H, et al. **Arch Neurol** 1981 Jun;38(6):345–9

Preventive treatment of serotonin-migraine with 1,3,4,14b-tetrahydro-2,7-dimethyl-2H-dibenzo(b,f)pyrazi hydrogen maleate (Org GC 94). A double-blind study. Sulman FG, et al. **Arzneimittelforsch** 1981;31(1):109–12

The involvement of brain amines in pinealectomy-induced convulsions in the gerbil: I. Serotonin. Philo R, et al. **Behav Brain Res** 1981 Jul;3(1):71–82

Effects of serotonergic lesions on investigatory responding by rats in a holeboard. Geyer MA, et al. **Behav Neural Biol** 1980 Oct;30(2):160–77

Serotonin and endocrine rhythms. Mornex R, et al. **Biomedicine** 1980 Dec;32(4):163–5

Presynaptic regulation of the release of acetylcholine by 5-hydroxytryptamine. Hirai K, et al. **Br J Pharmacol** 1980 Nov;70(3):499–500

5-Hydroxytryptamine reduces substance P responses on dorsal horn interneurones: a possible interaction of neurotransmitters. Davies JE, et al. **Brain Res** 1981 Aug 3;217(2):399–404

Evidence for a tonic GABAergic control of serotonin neurons in the median raphe nucleus. Forchetti CM, et al. **Brain Res** 1981 Feb 9;206(1):208–12

Serotonergic projections from the ventral medulla to the intermediolateral cell column in the rat. Loewy AD, et al. **Brain Res** 1981 Apr 27;211(1):146–52

In vitro cellular adaptation of serotonergic processes after chronic central phenobarbital administration. Lyness WH, et al. **Brain Res** 1981 Jan 5;204(1):248–52

The cortical projection of the dorsal raphe nucleus: some electrophysiological and pharmacological properties. Olpe HR. **Brain Res** 1981 Jul 6;216(1):61–71

Relationship between two voltage-dependent serotonin responses of molluscan neurones. Paupardin-Tritsch D, et al. **Brain Res** 1981 Jul 27;217(1):201–6

Evidence against a serotonin involvement in the tonic descending inhibition of nociceptor-driven neurons in the cat spinal cord. Soja PJ, et al. **Brain Res** 1980 Oct 13; 199(1):225–30

Evidence of the modulatory role of serotonin in acetylcholine release from striatal interneurons. Vizi ES, et al. **Brain Res** 1981 May 11;212(1):89–99

Disproportionate increases in locomotor activity in response to hormonal and photic stimuli following regional neurochemical depletions of serotonin. Waldbillig RJ, et al. **Brain Res** 1981 Jul 27;217(1):79–91

The identification of serotonergic neurons in the nucleus raphe magnus by conduction velocity. Wessendorf MW, et al. **Brain Res** 1981 Jun 9;214(1):168–73

Adrenergic and serotonergic mechanisms in depression and their response to amitriptyline. Coppen A, et al. **Ciba Found Symp** 1979;(74):157–66

Acute versus chronic effects of serotonin uptake blockers on potentiation of the 'serotonin syndrome'. Hwang EC, et al. **Commun Psychopharmacol** 1980;4(2):161–7

The inability of chronic fluoxetine to potentiate a serotonin mediated effect. Sugrue MF. **Commun Psychopharmacol** 1980;4(2):131–4

Potentiation of luteinizing hormone release by serotonin agonists in ovariectomized steroid-primed rats. Chen HT, et al. **Endocrinology** 1981 Mar;108(3):948–52

Hormone ontogeny in the ovine fetus. XI. The Serotoninergic regulation of growth hormone and prolactin secretion. Marti-Henneberg C, et al. **Endocrinology** 1980 Nov; 107(5):1273–7

Dopaminergic and serotonergic involvement in opiate-induced prolactin release in monkeys. Wehrenberg WB, et al. **Endocrinology** 1981 Aug;109(2):544–7

Suppression of serotonergic neuronal firing by alpha-adrenoceptor antagonists: evidence against GABA mediation. Baraban JM, et al. **Eur J Pharmacol** 1980 Sep 5;66(4):287–94

Serotonergic and catecholaminergic influence on thyroid function in the vervet monkey. Morley JE, et al. **Eur J Pharmacol** 1980 Oct 17;67(2–3):283–8

Blood pressure responses to local application of serotonergic agents in the nucleus tractus solitarii. Wolf WA, et al. **Eur J Pharmacol** 1981 Jan 29;69(3):291–9

Pain modulation by 5-hydroxytryptaminergic agents and morphine as measured by three pain tests. Dennis SG, et al. **Exp Neurol** 1980 Aug;69(2):260–70

Monoaminergic control of MSH release in the lizard Anolis carolinensis. Levitin HP. **Gen Comp Endocrinol** 1980 Jul; 41(3):279–86

Effect of methysergide on the acute lung mechanics response to endotoxin. Allison RC, et al. **J Appl Physiol** 1981 Jan; 50(1):185–90

Role of platelet serotonin in the canine pulmonary response to endotoxin. Murphy TL, et al. **J Appl Physiol** 1981 Jan; 50(1):178–84

Altered sensitivity to footshock after selective serotonin depletion: comparison of electrolytic lesions and neurotoxin injections in the medial forebrain bundle of the rat. Simansky KJ, et al. **J Comp Physiol Psychol** 1981 Apr; 95(2):341–50

Increased food intake, body weight, and adiposity in rats after regional neurochemical depletion of serotonin. Waldbillig RJ, et al. **J Comp Physiol Psychol** 1981 Jun; 95(3):391–405

Monoaminergic regulation of growth hormone in the rat. Bluet-Pajot MT, et al. **J Endocrinol** 1980 Sep;86(3):387–96

Effects of manipulating serotonin on the incidence of ovulation in the rat. Coen CW, et al. **J Endocrinol** 1980 Nov;87(2):195–201

Piperazinylquinoxalines with central serotoninmimetic activity. Lumma WC Jr, et al. **J Med Chem** 1981 Jan; 24(1):93–101

Depletion in amygdaloid 5-hydroxytryptamine concentration and changes in social and aggressive behaviour. File SE, et al. **J Neural Transm** 1981;50(1):1–12

Localisation of tricyclic antidepressant binding sites on serotonin nerve terminals. Sette M, et al. **J Neurochem** 1981 Jul;37(1):40–2

Nucleus raphe magnus modulation of response of rat dorsal horn neurons to unmyelinated fiber inputs: partial involvement of serotonergic pathways. Rivot JP, et al. **J Neurophysiol** 1980 Dec;44(6):1039–57

Neuronal responses of the globus pallidus to systemic administration of d-amphetamine: investigation of the involvement of dopamine, norepinephrine, and serotonin. Bergstrom DA, et al. **J Neurosci** 1981 Mar;1(3):292–9

Effect of drugs influencing central 5-hydroxytryptaminergic mechanisms on molindone-induced catalepsy in the rat. Balsara JJ, et al. **J Pharm Pharmacol** 1981 Jun;33(6):392–4

(−)-m-Chlorophenyl-piperazine, a central 5-hydroxytryptamine agonist, is a metabolite of trazodone. Caccia S, et al. **J Pharm Pharmacol** 1981 Jul;33(7):477–8

Subsensitivity to 5-hydroxytryptamine agonists occurs in streptozocin-diabetic rats with no change in [3H]-5-HT receptor binding. Trulson ME, et al. **J Pharm Pharmacol** 1981 Jul;33(7):472–4

Substituted piperazines as central serotonin agonists: comparative specificity of the postsynaptic actions of quipazine and m-trifluoromethylphenylpiperazine. Fuller RW, et al. **J Pharmacol Exp Ther** 1981 Sep;218(3):636–41

The effect of lesions in the dorsal, median and magnus raphe nuclei on the development of tolerance to ethanol. Lê AD, et al. **J Pharmacol Exp Ther** 1981 Aug;218(2):525–9

Alteration of aminophylline-induced respiratory stimulation by perturbation of biogenic amine systems. Mueller RA, et al. **J Pharmacol Exp Ther** 1981 Sep;218(3):593–9

A dopamine-5-hydroxytryptamine link in the hypothalamic pathways which mediate heat loss in the rat. Cox B, et al. **J Physiol (Lond)** 1980 Jun;303:9–21

Contrasting roles of 5-hydroxytryptamine and noradrenaline in fever in rats. Ford DM, et al. **J Physiol (Lond)** 1980 Jul;304:51–7

Clinical import of serotonin activity in the bladder and urethra. Vaidyanathan S, et al. **J Urol** 1981 Jan;125(1):42–3

Reduction in the number of serotonin receptors in the brainstem of morphine dependent rats: relation to blockade of naloxone precipitated jumping by serotonin agonists. Samanin R, et al. **Life Sci** 1980 Sep 29;27(13):1141–6

Electrophysiological evidence for the existence of separate receptor mechanisms mediating the action of 5-hydroxytryptamine. Berridge MJ. **Mol Cell Endocrinol** 1981 Jul;23(1):91–104

Suppression of aldosterone by cyproheptadine in idiopathic aldosteronism. Gross MD, et al. **N Engl J Med** 1981 Jul 23;305(4):181–5

The noradrenaline receptor coupled adenylate cyclase system in brain. Lack of modification by changes in the availability of serotonin. Mishra R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Jun; 316(3):218–24

Interaction of beta-adrenoceptor agonists with the serotonergic system in rat brain. A behavioral study using the L-5-HTP syndrome. Ortmann R, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Jun; 316(3):225–30

Role of brain catecholamines and 5-hydroxytryptamine in morphine induced temperature changes in normal and tolerant rats and mice. Slater P, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Aug; 313(2):125–30

Serotonergic stimulation of pituitary-adrenocortical function in rats. Fuller RW. **Neuroendocrinology** 1981 Feb; 32(2):118–27 (75 ref.)

Lack of correlation between hypothalamic serotonin and the ether-induced ACTH secretion in adrenalectomized rats. Karteszi M, et al. **Neuroendocrinology** 1981 Jan;32(1):7–13

Evidence that serotonin is involved in prolactin release by electrical stimulation of the medial basal hypothalamus in the rhesus monkey. Pavasuthipaisit K, et al. **Neuroendocrinology** 1980 Oct;31(4):256–60

Effect of acute and chronic tri-iodothyronine (T3) administration to rats on central 5-HT and dopamine-mediated behavioural responses and related brain biochemistry. Atterwill CK. **Neuropharmacology** 1981 Feb;20(2):131–44

Effects of agonists and antagonists of serotonin on spontaneous hindlimb EMG activity in chronic spinal rats. Barbeau H, et al. **Neuropharmacology** 1981 Feb; 20(2):99–107

The role of 5-hydroxytryptamine in dopamine-dependent

stereotyped behaviour. Carter CJ, et al. **Neuropharmacology** 1981 Mar;20(3):261–5

Evidence for a peripheral effect of sertonin or metabolites in 5–hydroxytryptophan–induced hypothermia. Carter RB, et al. **Neuropharmacology** 1980 Aug;19(8):777–84

Enhanced 5–hydroxytryptamine and dopamine–mediated behavioural responses following convulsions––II. The effects of anaesthesia and current conditions on the appearance of enhanced responses following electroconvulsive shock. Cowen PJ, et al. **Neuropharmacology** 1980 Sep;19(9):901–6

The differential neurochemical bases of the behaviours elicited by serotonergic agents and by the combination of a monoamine oxidase inhibitor and L–DOPA. Deakin JF, et al. **Neuropharmacology** 1981 Feb;20(2):123–30

Enhanced 5–hydroxytryptamine and dopamine–mediated behavioural responses following convulsions––III. The effects of monoamine antagonists and synthesis inhibitors on the ability of electroconvulsive shock to enhance responses. Green AR, et al. **Neuropharmacology** 1980 Sep; 19(9):907–14

Effect of single and repeated electroconvulsive shock on serotonergic system in rat brain––II. Behavioural studies. Lebrecht U, et al. **Neuropharmacology** 1980 Nov; 19(11):1055–61

Effect of single and repeated electroconvulsive shock on serotonergic system in rat brain––I. Metabolic studies. Lebrecht U, et al. **Neuropharmacology** 1980 Nov; 19(11):1049–53

Effects of d–amphetamine and disruption of 5–hydroxytryptaminergic neuronal systems on the synthesis of dopamine in selected regions of the rat brain. Lyness WH, et al. **Neuropharmacology** 1980 Sep;19(9):883–9

A possible role of the serotonergic system in thermoregulation in the rabbit. Murakami N, et al. **Neuropharmacology** 1980 Sep;19(9):891–5

Enhanced 5–hydroxytryptamine and dopamine–mediated behavioural responses following convulsions––I. The effects of single and repeated bicuculline–induced seizures. Nutt DJ, et al. **Neuropharmacology** 1980 Sep;19(9):897–900

Serotonergic properties of beta–phenethylamine in rats. Sloviter RS, et al. **Neuropharmacology** 1980 Nov; 19(11):1071–4

Long–term effects of fenfluramine on central serotonergic mechanisms. Steranka LR, et al. **Neuropharmacology** 1979 Nov;18(11):895–903

Effect of injury to the serotoninergic and noradrenergic brain systems on food and defensive conditioned reflexes in rats. Gromova EA, et al. **Neurosci Behav Physiol** 1981 Jan–Feb; 11(1):10–5

Changes in body temperature after administration of adrenergic and serotonergic agents and related drugs including antidepressants. Clark WG, et al. **Neurosci Biobehav Rev** 1980 Fall;4(3):281–375 (841 ref.)

Serotonergic mediation of descending inhibition from midbrain periaqueductal gray, but not reticular formation, or spinal nociceptive transmission in the cat. Carstens E, et al. **Pain** 1981 Apr;10(2):149–67

Serotonin–mimetic and antidepressant drugs on passive avoidance learning by olfactory bulbectomised rats. Broekkamp CL, et al. **Pharmacol Biochem Behav** 1980 Nov; 13(5):643–6

Antagonism of ethanol–induced decrease in LH by para–chlorophenylalanine: lack of correlation with altered serotonergic mechanisms. Chapin RE, et al. **Pharmacol Biochem Behav** 1981 Mar;14(3):293–8

Central 5–hydroxytryptamine and the effects of hallucinogens and phenobarbital on operant responding in rats. Commissaris RL, et al. **Pharmacol Biochem Behav** 1981 May;14(5):595–601

Behavioral assessment of norepinephrine and serotonin function and interaction in the hippocampal formation. Gage FH, et al. **Pharmacol Biochem Behav** 1981 Jun; 14(6):815–21

Evidence that respiratory depression by serotonin agonists may be exerted in the central nervous system. Mueller RA, et al. **Pharmacol Biochem Behav** 1980 Aug;13(2):247–55

Pre– and postsynaptic serotonergic manipulations in an animal model of depression. Nagayama H, et al. **Pharmacol Biochem Behav** 1980 Oct;13(4):575–9

Para–halogenated phenethylamines: similar serotonergic effects in rats by different mechanisms. Sloviter RS, et al. **Pharmacol Biochem Behav** 1980 Aug;13(2):283–6

Tryptophan deprivation: effects on mouse–killing and reactivity in the rat. Vergnes M, et al. **Pharmacol Biochem Behav** 1981;14 Suppl 1:19–23

The role of central serotonergic mechanisms on head–twitch and backward locomotion induced by hallucinogenic drugs. Yamamoto T, et al. **Pharmacol Biochem Behav** 1981 Jan;14(1):89–95

Effect of stimulation of brain serotonergic system on mouse–killing behavior in rats. Kostowski W, et al. **Physiol Behav** 1980 Aug;25(2):161–5

Serotonergic and electric shock effects on tonic immobility: evidence for independent systems. Wallnau LB. **Physiol Behav** 1978 DEC;21(6):869–72

Participation of serotonin in development of morphine dependence in mice and rats. Kruszewska A. **Pol J Pharmacol Pharm** 1980;32(5):655–63

Central action of narcotic analgesics. VI. Further studies on the participation of serotonin in the action of analgesics. Malec D. **Pol J Pharmacol Pharm** 1980;32(5):665–72

Serotonin involvement in the regulation of gonadotropin secretion during lactation in the rat. Coppings RJ, et al. **Proc Soc Exp Biol Med** 1981 Apr;166(4):536–41

Role of serotonergic mechanisms in animal models of predation. Katz RJ. **Prog Neuropsychopharmacol** 1980; 4(3):219–31 (55 ref.)

Involvement of serotonin and gamma–aminobutyric acid in the timing of estrous receptivity in the cyclic female rat. Al Satli M, et al. **Psychoneuroendocrinology** 1980 Dec; 5(4):319–28

Monoamine theories of sleep: the role of serotonin––a review [proceedings] Morgane PJ. **Psychopharmacol Bull** 1981 Jan; 17(1):13–7 (27 ref.)

Studies on the role of serotonin in avoidance learning [proceedings] Ogren SO. **Psychopharmacol Bull** 1981 Jan; 17(1):17–9

Evidence of a preferential role of brain serotonin in the mechanisms leading to naloxone–precipitated compulsive jumping in morphine–dependent rats. Cervo L, et al. **Psychopharmacology (Berlin)** 1981;74(3):271–4

Increased brain serotonergic and noradrenergic activity after repeated systemic administration of the beta–2 adrenoceptor agonist salbutamol, a putative antidepressant drug. Hallberg H, et al. **Psychopharmacology (Berlin)** 1981; 73(3):201–4

Effect of citalopram (Lu 10–171) on tranylcypromine and tryptophan–induced wet–dog shakes in rats. Keshavan HJ, et al. **Psychopharmacology (Berlin)** 1980;70(2):209–12

Lesion of serotonergic neurons antagonizes clonidine induced suppression of avoidance behavior and locomotor activity in rats. Kostowski W, et al. **Psychopharmacology (Berlin)** 1981;73(3):261–4

Adrenergic nonspecific potentiation of yohimbine toxicity in mice by antidepressants and related drugs and antiyohimbine action of antiadrenergic and serotonergic drugs. Lapin IP. **Psychopharmacology (Berlin)** 1980; 70(2):179–85

Catecholamine–serotonin interaction effects on activity in rats neonatally treated with 6–hydroxydopamine. Olds ME, et al. **Psychopharmacology (Berlin)** 1981;73(1):31–3

Citalopram: a new potent inhibitor of serotonin (5–HT) uptake with central 5–HT–mimetic properties. Pawłowski L, et al. **Psychopharmacology (Berlin)** 1981;74(2):161–5

The role of the serotonergic system in foot shock–induced behavior in mice. Roliński Z, et al. **Psychopharmacology (Berlin)** 1981;73(3):246–51

Central pharmacological control of corticosterone secretion in the intact rat. Demonstration of cholinergic and serotoninergic facilitatory and alpha–adrenergic inhibitory mechanisms. Steiner JA, et al. **Psychopharmacology (Berlin)** 1980;71(3):213–7

Evidence against the involvement of serotonergic mechanisms in wet dog shake behavior induced by carbachol chloride in rats. Turski L, et al. **Psychopharmacology (Berlin)** 1981;73(4):376–80

Effects of kainic acid on body temperature of rats: role of catecholaminergic and serotonergic systems. Turski L, et al. **Psychopharmacology (Berlin)** 1980;71(1):35–9

[The mechanism of serotoninergic regulation of prolactin and growth hormone secretion in rats (author's transl)] Kato Y, et al. **Horumon To Rinsho** 1980;28(6):627–32 **(Jpn)**

[Effect of excess serotonin in the brain on protein concentration in rat motor cortex and hippocampal neurons] Mats VN, et al. **Biol Nauki** 1980;(10):55–9 **(Rus)**

[Role of neuronal and neuropile serotonin in the visual analyzer] Uzbekov MG, et al. **Biull Eksp Biol Med** 1981 Apr;91(4):389–90 (Eng. Abstr.) **(Rus)**

[Effect of elaboration and alteration of a local motor–alimentary conditioned reflex on the protein content of rat motor cortex neurons in the presence of an excess of serotonin in the brain] Mats VN, et al. **Izv Akad Nauk SSSR [Biol]** 1980 Nov–Dec;(6):865–73 (Eng. Abstr.) **(Rus)**

[Role of raphe nuceli in the development of somatosensory cortex neuronal activity in the kitten] Raevskiĭ VV. **Zh Vyssh Nerv Deiat** 1981;31(2):349–57 (Eng. Abstr.) **(Rus)**

POISONING

[Pharmacologic analysis of the mechanism of development of serotonin diarrhea in the mouse] Demina LM, et al. **Farmakol Toksikol** 1981 Jan–Feb;44(1):91–2 (Eng. Abstr.) **(Rus)**

SECRETION

Anaesthesia for removal of carcinoid metastases. A case of serotonin–secreting secondary tumour in the lumbar spine. Rawlinson WA, et al. **Anaesthesia** 1980 Jun;35(6):585–8

Induction of serotonin secretion by cross–linking of surface receptors of a derivative of wheat germ agglutinin on human platelets. Ganguly P, et al. **Biochem Biophys Res Commun** 1981 Mar 16;99(1):176–82

Strontium ions induce production of thromboxane B2 and secretion of 5–hydroxytryptamine in washed human platelets. Best LC, et al. **Biochem Pharmacol** 1981 Mar 15; 30(6):635–7

The effect of ouabain on the release of 5–hydroxytryptamine from superfused synaptosomes. Collard KJ, et al. **Biochem Soc Trans** 1981 Feb;9(1):109–10

Inhibition of platelet phospholipid methylation during platelet secretion. Shattil SJ, et al. **Blood** 1981 Mar; 57(3):537–44

Effects of monoamine oxidase inhibitors on release of dopamine and 5–hydroxytryptamine from rat striatum in vitro. Baker GB, et al. **Cell Mol Biol** 1980;26(2):183–6

In vivo evidence for GABAergic control of serotonin release in the cat substantia nigra. Soubrié P, et al. **Eur J Pharmacol** 1981 Feb 19;69(4):483–8

Release of serotonin from human platelets in vitro by radiographic contrast media. Ring J, et al. **Invest Radiol** 1981 May–Jun;16(3):245–8

Human platelet stimulation by acetyl glyceryl ether phosphorylcholine. McManus LM, et al. **J Clin Invest** 1981 Mar;67(3):903–6

In vitro releasability of histamine and serotonin: studies of atopic patients. Ring J, et al. **J Clin Lab Immunol** 1980 Mar;3(2):85–91

Lanthanum blockade of serotonin release from the branchial nerve of the mussel Mytilus edulis. Stefano GB, et al. **J Exp Zool** 1980 Oct;214(1):21–6

In vitro studies of serotonin release from rat enterochromaffin cells: studies of gut serotonin release. Pettersson GB, et al. **J Surg Res** 1980 Aug;29(2):141–8

Alpha–adrenoceptor–mediated modulation of 5–hydroxytryptamine release from rat brain cortex slices. Göthert M, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Aug; 313(1):21–6

Serotonin–receptor–mediated modulation of Ca2+–dependent 5–hydroxytryptamine release from neurones of the rat brain cortex. Göthert M. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Nov; 314(3):223–30

Effects of chymotrypsin on the release reaction and aggregation of blood platelets. Grant RA, et al. **Proc Soc Exp Biol Med** 1980 Oct;165(1):114–7

Direct evidence for a role for Ca2+ in amine storage granule secretion by human platelets. Knight DE, et al. **Thromb Res** 1980 Nov 15;20(4):437–46

THERAPEUTIC USE

5–hydroxytryptophan and pyridoxine. Their effects in young children with Down's syndrome. Pueschel SM, et al. **Am J Dis Child** 1980 Sep;134(9):838–44

Inhibition of thrombocytopenic petechiae by exogenous serotonin administration. Sweetman HE, et al. **Haemostasis** 1981;10(2):65–78

The effect of monoamine oxidase inhibitor and amine precursors on epileptic seizures. Inui M, et al. **Med J Osaka Univ** 1980 Mar;30(3–4):79–85

[Antinociceptive effect of serotonin] Churiukanov VV, et al. **Biull Eksp Biol Med** 1981 May;91(5):578–80 (Eng. Abstr.) **(Rus)**

URINE

Simultaneous determination of the four major catecholamine metabolites and estimation of a serotonin metabolite in urine by capillary gas chromatography of their tert–butyldimethylsilyl derivatives. Muskiet FA, et al. **Clin Chem** 1981 Feb;27(2):223–7

In vivo studies of the tryptophan–5–hydroxylase system. Quantitation of serotonin and tryptamine using gas chromatography–mass fragmentography. Curtius HC, et al. **J Chromatogr** 1980 Oct 31;199:171–9

SEROTONIN ANTAGONISTS

The pharmacology of zimelidine: a 5–HT selective reuptake inhibitor. Ogren SO, et al. **Acta Psychiatr Scand [Suppl]** 1981;63(Suppl 290):127–51

The inhibitory action of two thrombin inhibitors (TI–189 and TI–233) on the contractile responses to 5–hydroxytryptamine and prostaglandin endoperoxide analogue (U–44069) in isolated vascular strips. Ho WK, et al. **Br J Pharmacol** 1980;71(2):399–405

Inhibition of 5–hydroxytryptamine contraction of guinea–pig smooth muscle treated with black widow spider venom. Primor N. **Eur J Pharmacol** 1980 Dec 19;68(4):497–500

In vitro and in vivo antiserotoninergic effects of 1–isopropylnoradreno–chrome–5–monosemicarbazone (Divascan). Prato A, et al. **Pharmacol Res Commun** 1980 Sep;12(8):751–6

Citalopram: a new potent inhibitor of serotonin (5–HT) uptake with central 5–HT–mimetic properties. Pawłowski L, et al. **Psychopharmacology (Berlin)** 1981;74(2):161–5

ADVERSE EFFECTS

Visual evoked potentials as a predictor of reported side effects during a trial of zimelidine vs. placebo in chronic pain patients. von Knorring L, et al. **Psychiatry Res** 1979 Dec;1(3):225–30

CHEMICAL SYNTHESIS

3–(4–Piperidinylalkyl)indoles, selective inhibitors of neuronal 5–hydroxytryptamine uptake. Gueremy C, et al. **J Med Chem** 1980 Dec;23(12):1306–10

METABOLISM

Receptor binding profile of R 41 468, a novel antagonist at 5–HT2 receptors. Leysen JE, et al. **Life Sci** 1981 Mar 2;

28(9):1015–22

PHARMACODYNAMICS

Double-blind comparisons of a selective serotonin reuptake inhibitor, zimelidine, and placebo on quantified EEG parameters and psychological variables. Schenk GK, et al. **Acta Psychiatr Scand [Suppl]** 1981;63(Suppl 290):303–13

Plethysmographic registration of volume changes in a hand vein. Effects of serotonin and of a specific antagonist. Jageneau AH, et al. **Angiology** 1980 Dec;31(12):828–32

Restoration of pulmonary perfusion by a serotonin antagonist. Kalenda Z, et al. **Angiology** 1981 Jul;32(7):463–75

Selectivity of calcium antagonism and serotonin antagonism with respect to venous and arterial tissues. Van Nueten JM, et al. **Angiology** 1981 Jul;32(7):476–84

The inhibition of ischemic lesions of the rat gastric mucosa by a novel serotonin-antagonist: a light and electron microscopic study. Van Reempts J, et al. **Angiology** 1981 Aug;32(8):529–42

Behavioural and neurochemical proteins of 1-[1-([indol-3-yl] methyl) piperid-4-yl]-3-benzoylurea (Wy 25093) in rodents. Diggory GL, et al. **Arch Int Pharmacodyn Ther** 1980 Nov;248(1):86–104

Reduction of voluntary morphine consumption following treatment with zimelidine. Rockman GE, et al. **Arch Int Pharmacodyn Ther** 1980 Mar;244(1):123–9

Interaction of parachlorophenylalanine, mianserine and danitracen with amphetamine. Chodera A, et al. **Arzneimittelforsch** 1981;31(1):61–3

Attenuation of pethidine-induced antinociception by zimelidine, an inhibitor of 5-hydroxytryptamine reuptake. Gebhart GF, et al. **Br J Pharmacol** 1980 Nov;70(3):411–4

A behavioural and biochemical study in rats of 5-hydroxytryptamine receptor agonists and antagonists, with observations on structure-activity requirements for the agonists. Green AR, et al. **Br J Pharmacol** 1981 Jul; 73(3):703–19

Characterization of ergot and non-ergot serotonin antagonists by prolactin and growth hormone profiles during wakefulness and sleep. Clarenbach P, et al. **Brain Res** 1980 Dec 8;202(2):357–63

Decrease of tolerance and physical dependence on morphine by drugs affecting brain serotonin. Contreras E, et al. **Cell Mol Biol** 1980;26(4):389–93

Acute versus chronic effects of serotonin uptake blockers on potentiation of the 'serotonin syndrome'. Hwang EC, et al. **Commun Psychopharmacol** 1980;4(2):161–7

Du 24565, a quipazine derivative, a potent selective serotonin uptake inhibitor. Vaatstra WJ, et al. **Eur J Pharmacol** 1981 Mar 12;70(2):195–202

The action of 5-hydroxytryptamine and possible 5-hydroxytryptamine antagonists on neurones of the guinea-pig submucous plexus. Neild TO. **Gen Pharmacol** 1981;12(4):281–4

Metergoline: a strong inhibitor of rat thrombocyte aggregation 'in vitro.' Doni MG. **Haematologica (Pavia)** 1980 Dec;65(6):717–24

Vascular effects of ketanserin (R 41 468), a novel antagonist of 5-HT2 serotonergic receptors. Van Nueten JM, et al. **J Pharmacol Exp Ther** 1981 Jul;218(1):217–30

Acute blood-pressure-lowering effect of ketanserin [letter] De Cree J, et al. **Lancet** 1981 May 23;1(8230):1161–2

Anorectic properties of a new long acting serotonin uptake inhibitor. Dumont C, et al. **Life Sci** 1981 Apr 27; 28(17):1939–45

Effects of agonists and antagonists of serotonin on spontaneous hindlimb EMG activity in chronic spinal rats. Barbeau H, et al. **Neuropharmacology** 1981 Feb; 20(2):99–107

Pharmacological evidence of a possible tryptaminergic regulation of opiate receptors by using indalpine, a selective 5-HT uptake inhibitor. Uzan A, et al. **Neuropharmacology** 1980 Nov;19(11):1075–9

On the neurochemical basis of self-stimulation with midbrain raphe electrode placements. Deakin JF. **Pharmacol Biochem Behav** 1980 Oct;13(4):525–30

5HT blockade and the stimulant effects of D- and L-amphetamine: no interaction in self-stimulation of prefrontal cortex, hypothalamus, or dorsal tegmentum. unexpected lethality in hippocampal sites. Franklin KB, et al. **Pharmacol Biochem Behav** 1980 Sep;13(3):365–70

Pharmaco-ethological analysis of social behaviour of isolated mice. Poshivalov VP. **Pharmacol Biochem Behav** 1981;14 Suppl 1:53–9

Evidence for dopamine mediation of submissive gestures in the stumptail macaque monkey. Schlemmer RF Jr, et al. **Pharmacol Biochem Behav** 1981;14 Suppl 1:95–102

Apomorphine hypothermia: interaction with serotonergic agents. Kulkarni SK. **Pol J Pharmacol Pharm** 1980 Jan-Feb;32(1):15–20

Acute effects of zimelidine and alaproclate, two inhibitors of serotonin uptake, on neuroendocrine function. Syvälahti E, et al. **Psychiatry Res** 1979 Oct;1(2):111–20

The effect of multiple rising doses of Ro 11-2465 (serotonin uptake inhibitor) on serotonin content of human platelets. Lenehan T, et al. **Psychopharmacology (Berlin)** 1981; 74(1):1–3

The effect of L-tryptophan on motor activity and its prevention by an extracerebral decarboxylase inhibitor and by 5-HT receptor blockers. Tricklebank MD, et al. **Psychopharmacology (Berlin)** 1980;69(2):173–7

Amphetamine stereotypies and polyribosomal disaggregation in rats: effects of adrenergic and serotonergic blocking agents. Widelitz MM, et al. **Psychopharmacology (Berlin)** 1980;72(1):109–10

Effects of norepinephrine and 5-hydroxytryptamine reuptake inhibitors on electrically-induced spinal cord seizures in rats. Jobe PC, et al. **Res Commun Chem Pathol Pharmacol** 1980 Oct;30(1):185–8

[Response of isolated segments of hepatic arteries to serotonin in the presence of methergoline] Bettini V, et al. **Boll Soc Ital Biol Sper** 1979 Aug 30;55(16):1572–5 (Eng. Abstr.) **(Ita)**

[Vascular permeability at an acute inflammation focus against a background of the action of histamine and serotonin antagonists] Lipshits RU, et al. **Fiziol Zh** 1980 Sep-Oct; 26(5):690–2 **(Rus)**

THERAPEUTIC USE

Initial, clinical trial of a new, specific 5-HT reuptake inhibitor, citalopram (Lu 10-171). Gottlieb P, et al. **Acta Psychiatr Scand** 1980 Sep;62(3):236–44

Controlled cross-over study of a 5-HT uptake inhibiting and an NA uptake inhibiting antidepressant. Aberg A. **Acta Psychiatr Scand [Suppl]** 1981;63(Suppl 290):244–55

The treatment of phobic anxiety by zimelidine. Evans L, et al. **Acta Psychiatr Scand [Suppl]** 1981;63(Suppl 290):342–5

A pilot study of the effect of the 5-HT-uptake inhibitor, zimelidine, on phobic anxiety. Koczkas S, et al. **Acta Psychiatr Scand [Suppl]** 1981;63(Suppl 290):328–41

Serotonin and noradrenaline uptake inhibitors in the treatment of depression—relationship to 5-HIAA in spinal fluid. Träskman-Bendz L, et al. **Acta Psychiatr Scand [Suppl]** 1981;63(Suppl 290):209–18

5-HT reuptake inhibitors plus tryptophan in endogenous depression. Wålinder J, et al. **Acta Psychiatr Scand [Suppl]** 1981;63(Suppl 290):179–90

The antihypertensive effects of a pure and selective serotonin-receptor blocking agent (R 41 468) in elderly patients. De Cree J, et al. **Angiology** 1981 Feb;32(2):137–44

Screening of antiserotoninergic drugs with the genetically dystrophic chicken. Hudecki MS, et al. **Arch Neurol** 1980 Sep;37(9):545–50

Cannabis-induced catalepsy in mice: role of putative neurotransmitters. Ghosh P, et al. **Indian J Med Res** 1980 Oct;72:605–9

5-HT2-receptor blockade in the treatment of heart failure. A preliminary study. Demoulin JC, et al. **Lancet** 1981 May 30;1(8231):1186–8

Neurotransmitters and receptor binding in amygdaloid kindled rats: serotonergic and noradrenergic modulatory effects. Ashton D, et al. **Life Sci** 1980 Oct 27;27(17):1547–56

[Effects of indalpin, a specific 5-HT uptake inhibitor, on the ethanol behavioral dependence and on the voluntary ethanol consumption in rat (author's transl)] Le Bourhis B, et al. **Ann Pharm Fr** 1981 May;39(1):11–20 (Eng. Abstr.) **(Fre)**

[Pharmacologic analysis of the mechanism of development of serotonin diarrhea in the mouse] Demina LM, et al. **Farmakol Toksikol** 1981 Jan-Feb;44(1):91–2 (Eng. Abstr.) **(Rus)**

SEROTONIN BLOCKADERS see **SEROTONIN ANTAGONISTS**

SEROTONIN RECEPTORS see **RECEPTORS, SEROTONIN**

SEROTYPING

Comparison between bacteriophage typing and serotyping for the differentiation of Bacillus sphaericus strains. Yousten AA, et al. **Ann Microbiol (Paris)** 1980 Nov-Dec; 131B(3):297–308

Studies on the enterotoxigenicity of environmental Escherichia coli, belonging to serotypes normally considered enterotoxigenic. Bettelheim KA, et al. **J Hyg (Lond)** 1980 Jun;84(3):411–4

Application of serological typing to the investigation of outbreaks of Clostridium perfringens food poisoning, 1970–1978. Stringer MF, et al. **J Hyg (Lond)** 1980 Jun; 84(3):443–56

Subtyping isolates of Haemophilus influenzae type b by outer-membrane protein profiles. Barenkamp SJ, et al. **J Infect Dis** 1981 May;143(5):668–76

A 27-nm virus isolated during an outbreak of acute infectious nonbacterial gastroenteritis in a convalescent hospital: a possible new serotype. Oshiro LS, et al. **J Infect Dis** 1981 Jun;143(6):791–5

A comparison of flagellar typing and phage typing as means of subdividing the O groups of Pseudomonas aeruginosa. Pitt TL. **J Med Microbiol** 1981 Aug;14(3):261–70

[New antigenic determination of Neisseria meningitidis. I. Results of serotyping of the strains N. meningitidis isolated in CSR in the years 1976–1978 from patients with cerebrospinal meningitis and from healthy carriers (author's transl)] Kuzemenská P, et al. **Cesk Epidemiol Mikrobiol Imunol** 1980 Dec;29(6):360–6 (Eng. Abstr.) **(Cze)**

[Serological typing of strains fo Pseudomonas aeruginosa. I. Clinical and epidemiological considerations] Berti P, et al. **Ann Sclavo** 1980 Jul-Aug;22(4):698–708 **(Ita)**

[Serotypes and drug-susceptibility of Streptococcus pneumoniae isolated from clinical specimens (author's transl)] Oguri T, et al. **Jpn J Antibiot** 1981 Jan;34(1):95–101 (Eng. Abstr.) **(Jpn)**

[New K antigen of Vibrio parahaemolyticus (author's transl)] Okazaki H, et al. **Nippon Saikingaku Zasshi** 1980 Jul; 35(4):651–2 **(Jpn)**

[Leptospirosis in Amazonas State. Serological survey] Santa-Rosa CA, et al. **Rev Inst Med Trop Sao Paulo** 1980 Sep-Oct;22(5):265–8 (Eng. Abstr.) **(Por)**

[Evaluation of the effectiveness of serological typing in subdifferentiation of strains of Klebsiella of extraenteral origin] Voicescu V, et al. **Rev Ig [Bacteriol]** 1980 Apr-Jun; 25(2):89–95 (Eng. Abstr.) **(Rum)**

[Typing coagulase-negative staphylococci in the diagnosis of bacterial infections] Kuz'minskii SN, et al. **Vrach Delo** 1981;(6):111–3 **(Rus)**

[Intragroup serotyping of meningococci] Demina AA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Sep;(9):43–9 (Eng. Abstr.) **(Rus)**

[Serotypes of Pseudomonas aeruginosa isolated from the hospital environment (author's transl)] Cakir N, et al. **Mikrobiyol Bul** 1980 Jan;14(1):13–20 (Eng. Abstr.) **(Tur)**

[Serotypes of Pseudomonas aeruginosa strains isolated from human sources in Diyarbakir (author's transl)] Yumul C. **Mikrobiyol Bul** 1980 Jan;14(1):9–12 (Eng. Abstr.) **(Tur)**

METHODS

Serology of Campylobacter fetus ss. jejuni)'related' campylobacters). Demonstration of strain-specific and interstrain-related antigens by immunoelectrophoresis and co-agglutination. Kosunen TU, et al. **Acta Pathol Microbiol Scand [B]** 1980 Aug;88(4):207–18

The growth precipitation test as a diagnostic method for differentiation of mycoplasma and acholeplasma species. Ernø H, et al. **Acta Vet Scand** 1980;21(4):469–81

Subtyping of foot-and-mouth disease virus by the micro-enzyme-labelled immunosorbent assay (MICROELISA). Rai A, et al. **Acta Virol (Praha)** 1981 Jan;25(1):53–6

Rapid solubilization and grouping of antigens from beta-hemolytic streptococci via a centrifugal analyzer. Levinson SS. **Am J Clin Pathol** 1980 Oct;74(4):396–403

Epidemiologic typing of nosocomial microorganisms. Aber RC, et al. **Am J Med** 1981 Apr;70(4):899–905 (24 ref.)

Serotyping of dengue viruses by an immune adherence hemagglutination test. Inouye S, et al. **Am J Trop Med Hyg** 1980 Nov;29(6):1389–93

Seroreactions in detecting Yersinia enterocolitica and Yersinia pseudotuberculosis in the Gdańsk region, years 1973–1976. Gruszkiewicz E, et al. **Bull Inst Marit Trop Med Gdynia** 1980;31(1–2):97–102

Capsular serotypes of Corynebacterium equi. Prescott JF. **Can J Comp Med** 1981 Apr;45(2):130–4

Enzyme-linked immunosorbent assay compared with immunoprecipitation for serotyping Neisseria meningitidis and its use in demonstrating serotype polymorphism. Mackie EB, et al. **J Clin Microbiol** 1981 Mar;13(3):449–55

Improved diagnostic accuracy using monoclonal antibody group A streptococcal carbohydrate. Nahm MH, et al. **J Clin Microbiol** 1980 Oct;12(4):506–8

Capsular typing of klebsiellae by coagglutination and latex agglutination. Onokodi JK, et al. **J Clin Microbiol** 1981 Apr;13(4):609–12

Separate O-grouping schemes for serotyping clinical isolates of Proteus vulgaris and Proteus mirabilis. Penner JL, et al. **J Clin Microbiol** 1980 Sep;12(3):304–9

Serotyping of Ureaplasma urealyticum by immunoperoxidase assay. Quinn PA, et al. **J Clin Microbiol** 1981 Apr; 13(4):670–6

Serogrouping single colonies of beta-hemolytic streptococci from primary throat culture plates with nitrous acid extraction and Phadebact streptococcal reagents. Slifkin M, et al. **J Clin Microbiol** 1980 Oct;12(4):541–5

Use of the Streptosec test for grouping beta-haemolytic streptococci. Ross PW, et al. **J Clin Pathol** 1980 Jul; 33(7):691–3

Serotyping of Haemophilus influenzae a comparison of co-agglutination with countercurrent—immunoelectrophoresis and slide—agglutination. Tiller FW. **J Hyg Epidemiol Microbiol Immunol** 1981;25(1):17–23

Rotavirus serotypes by serum neutralisation. Beards GM, et al. **J Med Virol** 1980;5(3):231–7

Campylobacter serotyping a epidemiology [letter] Lauwers S, et al. **Lancet** 1981 Jan 17;1(8212):158–9

Evaluation of the El Kholy technique for grouping beta-hemolytic streptococci. Figueiredo AM, et al. **Rev Bras Pesqui Med Biol** 1980 Apr;13(1-3):21–4

Serological differentiation of strains of group B streptococci by the soft-agar technique. Ichiman Y, et al. **Zentralbl Bakteriol [A]** 1981;249(2):184–9

[Procedure for gonococcal colony typing on nontransparent nutrient media] Meyer J, et al. **Z Gesamte Hyg** 1980; 26(5):356–8 (Eng. Abstr.) **(Ger)**

[Comparative study of five different methods for grouping beta-haemolytic streptococci (author's transl)] Lögering HJ. **Zentralbl Bakteriol [A]** 1981 Feb;248(4):437–45 (Eng. Abstr.) **(Ger)**

[Co-agglutination as an alternative to precipitin testing in streptococcal grouping (author's transl)] Visintin G, et al. **Ann Sclavo** 1979 Nov-Dec;21(6):816–22 (Eng. Abstr.) **(Ita)**

[Methods of identifying capsules in pneumococci] Klimenko

TV, et al. **Lab Delo** 1980;(11):678–80 (Eng. Abstr.) **(Rus)**

[Experience in the preparation of polyvalent agglutinating sera to Pseudomonas aeruginosa] Smirnova NE, et al. **Lab Delo** 1980;(11):680–1 (Eng. Abstr.) **(Rus)**

VETERINARY

Serotypes of previously unclassified isolates of Erysipelothrix rhusiopathiae from swine in the United States and Puerto Rico. Wood RL, et al. **Am J Vet Res** 1981 Jul;42(7):1248–50

SEROUS MEMBRANE

ANALYSIS

Localization of low molecular weight protease inhibitor in serous secretory cells of the respiratory tract. Kramps JA, et al. **J Histochem Cytochem** 1981 Jun;29(6):712–9

CYTOLOGY

The mesothelium: a histochemical study of resting mesothelial cells. Whitaker D, et al. **J Pathol** 1980 Nov; 132(3):273–84

The mesothelium; techniques for investigating the origin, nature and behaviour of mesothelial cells. Whitaker D, et al. **J Pathol** 1980 Nov;132(3):263–71

PATHOLOGY

[Cytological diagnosis of metastatic carcinoma to serous membrane (author's transl)] Ma ZZ. **Chung Hua Nei Ko Tsa Chih** 1979;18(2):121–3 **(Chi)**

[Structure and functional pathology concerning cytology of body cavities] Hackl H. **Med Welt** 1980 Aug 22; 31(34):1197–201 **(Ger)**

SURGERY

[Plastic covering of serosa-free intestinal surfaces in childhood by a free autograft of the omentum majus and a xenograft of preserved pericardium] Khristov Kh, et al. **Khirurgiia (Sofiia)** 1981;34(1):64–8 (Eng. Abstr.) **(Bul)**

[Experimental implantation of the small-intestinal mucosa onto the colonic serous membrane] Mastyńska M, et al. **Pol Przegl Chir** 1980 May;52(5):401–6 (Eng. Abstr.) **(Pol)**

TRANSPLANTATION

[Serous membrane of the jejunal loop used as a 'patch' in the repair of loss of substance in the common bile duct. Clinical and experimental study] Santini A, et al. **Minerva Chir** 1981 Apr 30;36(8):521–32 **(Ita)**

SERRATIA

DRUG EFFECTS

Sensitivity of Serratia to tetracycline. Siboni K. **Acta Pathol Microbiol Scand [B]** 1980 Aug;88(4):189–92

ENZYMOLOGY

Interaction between Serratia protease and human plasma alpha 2 macroglobulin. Miyata K, et al. **J Biochem (Tokyo)** 1981 Apr;89(4):1231–7

ISOLATION & PURIFICATION

Serratia: a continuing health menace. Sampson CC, et al. **J Natl Med Assoc** 1980 Sep;72(9):865–8

[Spontaneous Serratia peritonitis in a cirrhotic patient (letter)] Gorski AM, et al. **Nouv Presse Med** 1980 Oct 11;9(37):2743 **(Fre)**

PATHOGENICITY

[Clinical and bacteriological aspects of Serratia septicemia (author's transl)] Igari J, et al. **Kansenshogaku Zasshi** 1980 Sep;54(9):425–31 **(Jpn)**

SERRATIA MARCESCENS

Septic arthritis caused by Serratia marcescens [letter] Lafuente Martinez D, et al. **Arthritis Rheum** 1981 Mar; 24(3):567–8

Serum enzyme abnormalities in swine associated with systemic infection and fever. Weissinger J, et al. **Enzyme** 1980;25(5):342–5

Gentamicin treatment associated with later nosocomial gentamicin-resistant Serratia marcescens infections. Graham DR, et al. **IC Infect Control** 1981 Jan–Feb; 2(1):31–7

Serratia endocarditis in a pediatric burn patient. Cure with cefotaxime. Hyams KC, et al. **JAMA** 1981 Aug 28; 246(9):983–4

Serratia marcescens contaminated disinfectants [letter] Sheets RD. **Lancet** 1981 Mar 28;1(8222):727

Serratia pneumonia. Balikian JP, et al. **Radiology** 1980 Nov; 137(2):309–11

[Contribution to the method of studying phagocytosis (author's transl)] Ticháček B. **Cesk Epidemiol Mikrobiol Imunol** 1980 Jul;29(4):208–13 (Eng. Abstr.) **(Cze)**

The effects of prostacyclin (PGI2) on endotoxin shock and endotoxin-induced platelet aggregation in dogs. Fletcher JR, et al. **Circ Shock** 1980;7(3):299–308 **(eng)**

[Serratia marcescens septicemia complicating acute leukemia.—Report of 2 cases (author's transl)] Funada H, et al. **Kansenshogaku Zasshi** 1980 Aug;54(8):408–13 (Eng. Abstr.) **(Jpn)**

CLASSIFICATION

Bacteriocin (marcescin) typing of clinically isolated Serratia marcescens. Nasu M. **Tohoku J Exp Med** 1981 Jan; 133(1):33–43

Epidemiological studies of Serratia marcescens infections by bacteriocin (marcescin) typing. Nasu M. **Tohoku J Exp Med** 1981 Jan;133(1):45–52

[Utility of serotyping in the study of Serratia marcescens infections in Strasbourg Hospitals (author's transl)] Minck R, et al. **Pathol Biol (Paris)** 1980 Oct;28(8):501–7 (Eng. Abstr.) **(Fre)**

[Study on serotyping, phage typing and drug resistance of Serratia marcescens isolated from clinical specimens (author's transl)] Morishita H. **Nippon Hinyokika Gakkai Zasshi** 1980 Nov;11(11):1313–27 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

In vitro activity of N-formimidoyl thienamycin (MK0787) against resistant strains of Pseudomonas aeruginosa, Staphylococcus epidermidis, Serratia marcescens, and Enterococcus spp. Livingston WK, et al. **Antimicrob Agents Chemother** 1981 Jan;19(1):114–6

Comparative susceptibilities of clinical isolates of Serratia marcescens to newer cephalosporins, alone and in combination with various aminoglycosides. Markowitz SM, et al. **Antimicrob Agents Chemother** 1980 Nov;18(5):651–5

beta-Lactam resistance in Serratia marcescens: comparison of action of benzylpenicillin, Apalcillin, Cefazolin, and ceftizoxime. Takata N, et al. **Antimicrob Agents Chemother** 1981 Mar;19(3):397–401

In vitro investigations on the action fosfomycin alone and in combination with other antibiotics on Pseudomonas aeruginosa and Serratia marcescens. Ullmann U, et al. **Arzneimittelforsch** 1980;30(8):1247–9

A comparison of the antimicrobial effect of 0.5% chlorhexidine (Hibistat) and 70% isopropyl alcohol on hands contaminated with Serratia marcescens. Aly R, et al. **Clin Exp Dermatol** 1980 Jun;5(2):197–201

The combination of erythromycin and colistin against Serratia marcescens [letter] Fothergill J, et al. **J Antimicrob Chemother** 1981 Jun;7(6):681

Resistance of Serratia marcescens to hydrogen peroxide. Bayliss CE, et al. **J Appl Bacteriol** 1981 Feb;50(1):131–7

[Hospital infection due to Serratia marcescens and its sensitivity to antibiotics] Filloy L, et al. **Bol Med Hosp Infant Mex** 1980 Sep–Oct;37(5):871–7 (Eng. Abstr.) **(Spa)**

ENZYMOLOGY

Chitinase-overproducing mutant of Serratia marcescens. Reid JD, et al. **Appl Environ Microbiol** 1981 Mar; 41(3):664–70

Dependence of extracellular chitinase activity of Serratia marcescens QMB1466 on continuous culture dilution rate. Young ME, et al. **Can J Microbiol** 1981 Jan;27(1):142–4

Combinations of clavulanic acid and other beta-lactam antibiotics against strains of Pseudomonas aeruginosa, Serratia marcescens and other bacteria. Rogers DT, et al. **J Appl Bacteriol** 1980 Aug;49(1):111–8

Fluorimetric assay of the activity of extracellular lipases of Pseudomonas fluorescens and Serratia marcescens. Roy RN. **J Appl Bacteriol** 1980 Oct;49(2):265–71

The effect of extracellular proteases from gran-negative bacteria on the interaction of von Willebrand factor with human platelets. Cooper HA, et al. **J Lab Clin Med** 1981 Mar;97(3):379–89

[Studies of lipase and antilipase on different strains of the genera Serratia, Aeromonas and Vibrio (author's transl)] Caselitz FH, et al. **Zentralbl Bakteriol [A]** 1980 Mar; 246(3):336–43 (Eng. Abstr.) **(Ger)**

[Isolation and physico-chemical properties of homogenous nuclease from Serratia marcescens] Filimonova MN, et al. **Biokhimiia** 1980 Nov;45(11):2096–104 (Eng. Abstr.) **(Rus)**

[Structural organization of the bacterial nucleoid using endonucleolysis] Kharchenko EP, et al. **Biokhimiia** 1980 Oct;45(10):1850–8 (Eng. Abstr.) **(Rus)**

[Isolation and characterization of intracellular lipase from Serratia marcescens 345] Bachkatova NA, et al. **Prikl Biokhim Mikrobiol** 1980 May–Jun;16(3):315–26 (Eng. Abstr.) **(Rus)**

GENETICS

Plasmid-determined resistance to fosfomycin in Serratia marcescens. Mendoza C, et al. **Antimicrob Agents Chemother** 1980 Aug;18(2):215–9

Expression of the Serratia marcescens lipoproteins gene in Escherichia coli. Lee N, et al. **J Bacteriol** 1981 Jun; 146(3):861–6

Insect pathogenic properties of Serratia marcescens: phage-resistant mutants with a decreased resistance to Cecropia immunity and a decreased virulence to Drosophila. Flyg C, et al. **J Gen Microbiol** 1980 Sep; 120(1):173–81

Transductional construction of an isoleucine-producing strain of Serratia marcescens. Komatsubara S, et al. **J Gen Microbiol** 1980 Jul;119(1):51–61

Characteristics of Serratia marcescens containing a plasmid coding for gentamicin resistance in nosocomial infections. John JF Jr, et al. **J Infect Dis** 1981 Jun;143(6):810–7

Nucleotide sequences of the trpG regions of Escherichia coli, Shigella dysenteriae, Salmonella typhimurium and Serratia marcescens. Nichols BP, et al. **J Mol Biol** 1980 Oct 5; 142(4):503–17

GROWTH & DEVELOPMENT

Enhancement of human serum bactericidal activity by specific IgM antibodies of normal and anti-O immune rabbit sera against pseudo-serum-resistant strains of Serratia marcescens. Traub WH. **Zentralbl Bakteriol [A]** 1980 Feb;246(1):50–66

Susceptibility of Serratia marcescens to human serum: antagonism of serum bactericidal activity by IgG immunoglobulins of homologous rabbit anti-O sera. Traub WH. **Zentralbl Bakteriol [A]** 1980 Feb;246(1):26–49

IMMUNOLOGY

Immune stimulation of lung bactericidal activity: evidence for both cellular and humoral participation after immunization with Serratia marcescens. LaForce FM, et al. **Am Rev Respir Dis** 1980 Jun;121(6):921–9

ISOLATION & PURIFICATION

Serratia marcescens nosocomial infections of the urinary tract associated with urine measuring containers and urinometers. Rutala WA, et al. **Am J Med** 1981 Mar; 70(3):659–63

Nosocomial Serratia outbreak: guilt by association or scientific investigation? [letter] Adair FW. **Lancet** 1981 Mar 7;1(8219):563

Antibiotic-sensitive Serratia marcescens infections complicating cardiopulmonary operations: contaminated disinfectant as a reservoir. Ehrenkranz NJ, et al. **Lancet** 1980 Dec 13;2(8207):1289–92

['Serratia marcescens' in neonatology: epidemiology of a hazard (author's transl)] Borderon JC, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1980;9(3):299–305 (Eng. Abstr.) **(Fre)**

[Perinatal infections caused by rare agents. 2. Serratia marcescens] Handrick W, et al. **Paediatr Grenzgeb** 1981; 20(1–2):87–93 (Eng. Abstr.) **(Ger)**

[Removal of the microbial cells from a silica gel layer after their electroretention] Chekhovskaia TP. **Mikrobiol Zh** 1980 Jul–Aug;42(4):432–5 (Eng. Abstr.) **(Rus)**

METABOLISM

Effect of polymyxin B on kappa phage adsorption on Serratia marcescens HY. Patel KA, et al. **Indian J Exp Biol** 1980 Nov;18(11):1353–4

Inhibitory effect of polymyxin B on prodigiosin biosynthesis in Serratia marcescens [letter] Tsang JC, et al. **J Antibiot (Tokyo)** 1980 Apr;33(4):455–7

Regulation of carbamylphosphate synthesis in Serratia marcescens. Crane CJ, et al. **J Bacteriol** 1980 Aug; 143(2):588–93

PATHOGENICITY

Serratia marcescens in mixed aerobic infections of bone. A report of two patients. Thomas JM, et al. **J Bone Joint Surg [Br]** 1980 Aug;62(3):389–90

Serratia marcescens osteomyelitis. Burgener FA, et al. **ROEFO** 1981 Apr;134(4):459–61

PHYSIOLOGY

Experimental endocarditis in rabbits. 4. Experiments with Serratia marcescens: on the significance of serum susceptibility and proteolytic capacity of the strains and the influence of an indwelling catheter. Gutschik E, et al. **Acta Pathol Microbiol Scand [B]** 1980 Oct;88B(5):269–76

[Pili-mediated agglutination of Serratia marcescens in human urine (author's transl)] Ohshima H, et al. **Kansenshogaku Zasshi** 1981 Jan;55(1):25–31 (Eng. Abstr.) **(Jpn)**

SERTOLI CELL TUMOR

DIAGNOSIS

Echographic findings in Sertoli cell tumor of the testis. Cunningham JJ. **JCU** 1981 Jul–Aug;9(6):341–2

PATHOLOGY

Large-cell calcifying Sertoli cell tumor of the testis. Proppe KH, et al. **Am J Clin Pathol** 1980 Nov;74(5):607–19

Sertoli-Leydig cell tumors: a clinicopathologic study of 34 cases. Roth LM, et al. **Cancer** 1981 Jul 1;48(1):187–97

Composite mucinous ovarian neoplasms associated with Sertoli-Leydig and carcinoid tumors. Waxman M, et al. **Cancer** 1981 Apr 15;47(8):2044–52

Sertoli cell tumour of the testis. Gulati SM, et al. **Indian J Cancer** 1980 Jun;17(2):131–3

Feminizing and non-feminizing Sertoli cell tumors. Gabrilove JL, et al. **J Urol** 1980 Dec;124(6):757–67 (38 ref.)

Sertoli cell testicular tumors. Littleton R, et al. **Urology** 1981 Jun;17(6):557–9

PHYSIOPATHOLOGY

[A case of Sertoli cell tumor of the ovary] Silvi E, et al. **Riv Ital Ginecol** 1980;59(1):21–8 **(Ita)**

ULTRASTRUCTURE

Ovarian Sertoli–Leydig cell tumors. A clinical, pathological and ultrastructural study with particular reference to the histogenesis of these tumors. Genton CY. **Arch Gynecol** 1980;230(1):49–75

Sertoli tumors of the ovary. A clinicopathologic study of 28 cases with ultrastructural observations. Tavassoli FA, et al. **Cancer** 1980 Nov 15;46(10):2281–97

VETERINARY

Sertoli cell tumor in two related newborn shorthorn calves. Palmer NC, et al. **Can Vet J** 1980 Nov;21(11):317–9

Bone marrow hypoplasia in a feminized dog with a Sertoli cell tumor. Edwards DF. **J Am Vet Med Assoc** 1981 Mar 1;178(5):494–6

Bone marrow hypoplasia in eight dogs with Sertoli cell tumor. Sherding RG, et al. **J Am Vet Med Assoc** 1981 Mar 1;178(5):497–501

Interstitial cell tumour of the testis in a western lowland gorilla (Gorilla gorilla gorilla). Jones DM, et al. **J Med Primatol** 1980;9(5):319–22

SERTOLI CELLS

ANALYSIS

Identification and characterization of a beta 1-adrenergic receptor in the rat Sertoli cell. Heindel JJ, et al. **Mol Cell Endocrinol** 1981 Jun;22(3):349–58

CYTOLOGY

Waning of anti-mullerian activity: an early sign of sertoli cell maturation in the developing pig. Tran D, et al. **Biol Reprod** 1981 May;24(4):923–31

Multinucleate Sertoli cells in aged human testis. Schulze W, et al. **Cell Tissue Res** 1981;217(2):259–66

Temporal sequence of cell shape changes in cultured rat sertoli cells after experimental elevation of intracellular cAMP. Spruill WA, et al. **Exp Cell Res** 1981 Jan; 131(1):131–48

The change is length and width of the Sertoli cell nuclei in cytologic smears of testes with depopulation of the seminiferous epithelium. Banek L, et al. **Experientia** 1980 Sep 15;36(9):1118–9

DRUG EFFECTS

Effects of serum components on the morphology of Sertoli cells in culture. Hutson JC, et al. **Anat Rec** 1980 Jun; 197(2):205–11

Desensitization of cultured rat Sertoli cells by follicle-stimulating hormone and by L-isoproterenol. Verhoeven G, et al. **Mol Cell Endocrinol** 1980 Nov; 20(2):113–26

ENZYMOLOGY

Regulation of Sertoli cell cyclic adenosine 3':5' monophosphate phosphodiesterase activity by follicle stimulating hormone and dibutyrl cyclic AMP. Conti M, et al. **Biochem Biophys Res Commun** 1981 Feb 27; 98(4):1044–50

Inhibition of rat Sertoli cell aromatase by factor(s) secreted specifically at spermatogenic stages VII and VIII. Boitani C, et al. **Mol Cell Endocrinol** 1981 Jul;23(1):11–22

METABOLISM

Androgen and progesterone binding components in cytosol prepared from cultures enriched in Sertoli cells from immature rat testes. Schmidt WN, et al. **Biol Reprod** 1980 Oct;23(3):495–506

Hormonal induced changes in sertoli cell glycoproteins. Galdieri M, et al. **Cell Biol Int Rep** 1981 Feb;5(2):111

Regulation of sulfoprotein synthesis by rat Sertoli cells in culture. Elkington JS, et al. **Endocrinology** 1980 Oct; 107(4):970–6

Differential effects of luteinizing hormone-releasing hormone on follicle-stimulating hormone-dependent responses in rat granulosa cells and Sertoli cells in vitro. Gore-Langton RE, et al. **Endocrinology** 1981 Mar;108(3):812–9

Sertoli cell nuclear transcriptional activity: stimulation by follicle-stimulating hormone and testosterone in vitro. Lamb DJ, et al. **Endocrinology** 1981 Mar;108(3):1020–6

Use of a photoaffinity ligand to compare androgen-binding protein (ABP) present in rat Sertoli cell culture media with ABP present in epididymal cytosol. Schmidt WN, et al. **Endocrinology** 1981 Mar;108(3):786–94

Regulation of protein kinase inhibitor by follicle-stimulating hormone in Sertoli cells in vitro. Tash JS, et al. **Endocrinology** 1981 Feb;108(2):427–34

Sertoli cell capacity to metabolize progesterone: variation with age and the effect of follicle-stimulating hormone. Tilbe KS, et al. **Endocrinology** 1981 Feb;108(2):597–604

Sertoli cells synthesize and secrete transferrin-like protein. Skinner MK, et al. **J Biol Chem** 1980 Oct 25;255(20):9523–5

Retinol binding protein in rat testicular cells. Huggenvik J, et al. **J Reprod Fertil** 1981 Mar;61(2):403–8

Identification of estradiol produced by Sertoli cell enriched cultures during incubation with testosterone. Ritzen EM, et al. **J Steroid Biochem** 1981 Jun;14(6):533–5

Subcellular distribution of androgen binding sites in cultured Sertoli cells before and after exposure to androgens. Sanborn BM, et al. **J Steroid Biochem** 1981 Feb; 14(2):133–40

Sertoli cell chromatin acceptor sites for androgen-receptor complexes. Tsai YH, et al. **J Steroid Biochem** 1980 Jul; 13(7):711–8

Localization of androgen-binding protein in proliferating Sertoli cells in culture. Kierszenbaum AL, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5322–6

[Simultaneous increase in the aromatization of testosterone into estrogens and secretion of inhibin by Sertoli cells in culture] Franchimont P, et al. **C R Soc Biol (Paris)** 1980; 174(5):893–7 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Surface interaction in vitro between Sertoli cells and germ cells at different stages of spermatogenesis. Ziparo E, et al. **Am J Anat** 1980 Dec;159(4):385–8

Interactions of sertoli cells with myoid cells in vitro. Tung PS, et al. **Biol Reprod** 1980 Aug;23(1):207–17

Factors affecting Sertoli cell function in the testis. Tindall DJ, et al. **Environ Health Perspect** 1981 Apr;38:5–10

The effect of vasectomy on Sertoli cell function in rats. Harris JD, et al. **Invest Urol** 1981 Jan;18(4):305–7

Sertoli–Leydig cell communication via an LHRH-like factor. Sharpe RM, et al. **Nature** 1981 Apr 30;290(5809):785–7

Sertoli cells contain a mitogenic polypeptide. Feig LA, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4774–8

[Sertoli cells and organogenesis of the fetal testis (author's transl)] Magre S, et al. **Ann Endocrinol (Paris)** 1980 Nov-Dec;41(6):531–7 (Eng. Abstr.) **(Fre)**

[New theories on the mechanism of follitropin action in the male gonad (review of the literature)] Trzeciak WH, et al. **Endokrynol Pol** 1981 Jan-Feb;32(1):1–16 (83 ref.) **(Pol)**

PHYSIOPATHOLOGY

The pituitary-testicular axis in the streptozotocin diabetic male rat: evidence for gonadotroph, Sertoli cell and Leydig cell dysfunction. Murray FT, et al. **Int J Androl** 1981 APr; 4(2):265–80

RADIATION EFFECTS

Morphological signs of a direct effect of experimental cryptorchidism on the Sertoli cells in rats irradiated as fetuses. Bergh A. **Biol Reprod** 1981 Feb;24(1):145–52

SECRETION

Peritubular cell influence on the efficiency of androgen-binding protein secretion by Sertoli cells in culture. Hutson JC, et al. **Endocrinology** 1981 Apr; 108(4):1362–8

ULTRASTRUCTURE

Structural response of adult rat Sertoli cells to peritubular fibroblasts in vitro. Cameron DF, et al. **Am J Anat** 1981 Mar;160(3):343–58

Ultrastructural study of Sertoli cells in rat seminiferous tubules during intrauterine life and the postnatal period. Hatier R, et al. **Anat Embryol (Berl)** 1980;160(1):11–27

Evolution of the endoplasmic reticulum in the Sertoli cell cytoplasm encapsulating the heads of late spermatids in the rat. Clermont Y, et al. **Anat Rec** 1980 Jan;196(1):83–99

Ultrastructural aspects of Sertoli cells in infancy. Amati S, et al. **Boll Soc Ital Biol Sper** 1979 Feb 28;55(4):378–82

Fine structure of the Sertoli cells of the rat testis in experimental unilateral cryptorchidism. Aumüller G, et al. **Int J Androl** 1980 Jun;3(3):301–11

Evaluation of the ultrastructural changes in the human sertoli cell in testicular disorders and the relationship of the changes to the levels of serum FSH. de Kretser DM, et al. **Int J Androl** 1981 APr;4(2):129–44

Specialized cell contacts and the blood–testis barrier in the seminiferous tubules of the domestic fowl (Gallus domesticus). Osman DI, et al. **Int J Androl** 1980 Oct; 3(5):553–62

Freeze-fracture observations on the rat Sertoli cell junction by metal contact freezing. Nagano T. **J Electron Microsc (Tokyo)** 1980;29(3):250–5

Morphological signs of merocrine secretion in the modified Sertoli cells of the domestic fowl (Gallus domesticus). Osman DI. **J Reprod Fertil** 1981 Jan;61(1):75–8

Observations on mammalian spermiogenesis using surface replicas. Phillips DM. **J Ultrastruct Res** 1980 Jul; 72(1):103–11

The effects of follicle-stimulating hormone (FSH) on Sertoli cell junctions in vitro: a freeze-fracture study. Posalaky Z, et al. **J Ultrastruct Res** 1981 Mar;74(3):241–54

A study of Sertoli-spermatid tubulobulbar complexes in selected mammals. Russell LD, et al. **Tissue Cell** 1980; 12(2):263–85

[Ultrastructure of Sertoli cells of the human testis in agenesis of the vas deferens] Bairati A, et al. **Bull Assoc Anat (Nancy)** 1979 Sep;63(182):255–62 (Eng. Abstr.) **(Fre)**

[Ultrastructure of rat Sertoli and Leydig cells normally and under prolonged internal irradiation] Dedov VI. **Tsitologiia** 1980 Oct;22(10):1153–6 (Eng. Abstr.) **(Rus)**

SERUM ALBUMIN

Radiologic features of the jejunum in hypoalbuminemia. Farthing MJ, et al. **AJR** 1981 May;136(5):883–6

Adsorption of human fibrinogen and human serum albumin onto polyethylene. Brynda E, et al. **Ann Biomed Eng** 1980; 8(3):245–52

Albumin. Tárnoky AL. **Ann Clin Biochem** 1981 Mar; 18(2):61–3

Stationary ultrafiltration: a radio-tracer technique for studying stereoselective binding of racemic ligands. Simonyi M, et al. **Biochem Biophys Res Commun** 1980 Nov 17;97(1):1–7

Kinetics and mechanism of the interaction between human serum albumin and monomeric haemin. Adams PA, et al. **Biochem J** 1980 Oct 1;191(1):95–102

Studies on the mechanism of binding of serum albumins to immobilized cibacron blue F3G A. Leatherbarrow RJ, et al. **Biochem J** 1980 Jul 1;189(1):27–34

Ligand–binding properties of proalbumin Christchurch. Reed RG, et al. **Biochem J** 1980 Oct 1;191(1):281–3

The effect of chloride on the binding of warfarin to albumin as a function of pH. Wilting J, et al. **Biochem Pharmacol** 1981 May 15;30(10):1025–31

In vitro liver synthesis and serum levels of alpha fetoprotein and albumin in the fetal pig. Stone RT. **Biol Reprod** 1981 Apr;24(3):573–80

Partial plasma exchange using albumin replacement: removal and recovery of normal plasma constituents. Orlin JB, et al. **Blood** 1980 Dec;56(6):1055–9

The effect of increased vascular pressure on albumin-excluded volume and lymph flow in the dog lung. Parker JC, et al. **Circ Res** 1980 Dec;47(6):866–75

Fluorescent albumin–bilirubin complex on cellulose acetate electropherograms, which may confuse creatine kinase isoenzyme assay [letter] Chuga DJ. **Clin Chem** 1979 Mar; 25(3):494

Amino-terminal sequence of chicken preproalbumin. Compere SJ, et al. **Eur J Biochem** 1981 Jun 1;116(3):437–40

Interactions of prostaglandin H2 and thromboxane A2 with human serum albumin. Maclouf J, et al. **Eur J Biochem** 1980 Aug;109(2):561–6

Physico-chemical properties of South American iguanid albumins. Higgins PJ. **Experientia** 1980 Dec 15; 36(12):1388–9

Human serum albumin: binding specificity and allosteric effect of parinarate and stearate. A dianionic spin label study. Hsia JC, et al. **J Biol Chem** 1981 Mar 10; 256(5):2242–4

On the stoichiometry of the interaction between prealbumin and retinol-binding protein. Trägårdh L, et al. **J Biol Chem** 1980 Oct 10;255(19):9243–8

Partial amino acid sequence homology between an heredofamilial amyloid protein and human plasma prealbumin. Benson MD. **J Clin Invest** 1981 Apr; 67(4):1035–41

Presence of a receptor for albumin on individual HBsAg polypeptides and on HBsAg produced by a hepatoma cell line. Ionescu-Matiu I, et al. **J Med Virol** 1980;6(2):175–8

Denaturation of albumin: a critical factor in long-term kidney preservation. Southard JH, et al. **J Surg Res** 1981 Feb; 30(1):80–5

Structural homologies between prealbumin, gastrointestinal prohormones and other proteins. Jörnvall H, et al. **Nature** 1981 May 21;291(5812):261–3

Homology between the primary structure of alpha-fetoprotein, deduced from a complete cDNA sequence, and serum albumin. Law SW, et al. **Nature** 1981 May 21;291(5812):201–5

Picosecond primary photoprocesses of bilirubin bound to human serum albumin. Greene BI, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2008–12

Fatty acids bound to serumalbumin decrease the half-life of thromboxane A2. Lagarde M, et al. **Prostaglandins** 1980 Aug;20(2):275–83

Albumins stabilize prostaglandin I2. Wynalda MA, et al. **Prostaglandins** 1980 Nov;20(5):853–61

Standardisation in relation to human albumin. Hobbs JR. **Ric Clin Lab** 1980 Jan-Mar;10(1):173–8

Microcirculatory obstruction in focal cerebral ischemia: albumin and erythrocyte transit. Little JR, et al. **Stroke** 1981 Mar-Apr;12(2):218–93

Which is the foreseeable future role of ethanol fractionation for the production of the main fractions albumin and immunoglobulins, as well as for the preparation of concentrates of trace proteins like coagulation factors? What is the evidence for a superior performance and practicability of other manufacturing procedures? **Vox Sang** 1981 Jan;40(1):48–63

[Human albumin or dextran 60 for the restoration of the blood volume, with special reference to the colloid osmotic pressure (author's transl)] Klose R, et al. **Anaesth Intensivther Notfallmed** 1981 Feb;16(1):32–8 (Eng.

Abstr.) (Ger)
[The use of plasma substitutes and albumin in blood component therapy] Lundsgaard-Hansen P, et al. **Klin Anaesthesiol Intensivther** 1980;21:120–35 (Ger)
[Transient bisalbuminemia induced by penicillin and gentamicin. Immunoelectrophoretic study and thorough examination of bibliography (author's transl)] Soffiati G, et al. **Ann Sclavo** 1980 Mar-Apr;22(2):116–24 (Eng. Abstr.) (Ita)
[Spectroscopic and photochemical properties of pigments bound to proteins] Zen'kevich EI, et al. **Biofizika** 1981 May-Jun;26(3):389–93 (Eng. Abstr.) (Rus)
[Dependence of human serum albumin fluorescence spectrum on the excitation wavelength] Demchenko AP. **Ukr Biokhim Zh** 1981 May-Jun;53(3):22–7 (Eng. Abstr.) (Rus)

ADMINISTRATION & DOSAGE

Prospective controlled trial of cryoprecipitated plasma, plasma protein fraction and serum albumin solution for kidney preservation. Cho SI, et al. **Am J Surg** 1981 Apr; 141(4):441–5
Albumin and pulmonary oedema [letter] Crawford RJ, et al. **Lancet** 1980 Dec 20–27;2(8208–8209):1373
Colloid or crystalloid in the resuscitation of hemorrhagic shock: a controlled clinical trial. Moss GS, et al. **Surgery** 1981 Apr;89(4):434–8
[Effect of hydroxyethyl starch HES 450/0.7 and 5% human albumin on the colloid osmotic pressure and hemodynamic parameters in hypovolemic patients after major abdominal procedures] Gahr R, et al. **Infusionsther Klin Ernahr** 1981 Jun;8(3):147–52 (Eng. Abstr.) (Ger)
[Resuspension of erythrocyte concentrates: clinical examinations with human albumin and oxypolygelatine] Unseld H, et al. **Infusionsther Klin Ernahr** 1981 Jun; 8(3):141–5 (Eng. Abstr.) (Ger)

ADVERSE EFFECTS

Reaction to albumin [letter] Paul K, et al. **JAMA** 1981 Jan 16;245(3):234–5

ANALYSIS

Blood pressure, heart rate and plasma albumin in relatives of hypertensive patients. Ohlsson O, et al. **Acta Med Scand** 1981;209(6):445–50
Bilirubin, reserve albumin for binding of bilirubin and pH in plasma during phototherapy (ordinary and double light) of term newborn infants. Ebbesen F. **Acta Paediatr Scand** 1981 Mar;70(2):223–8
Concentration of serum prealbumin (PR) protein in sick horses and its correlation to blood leucocyte count and albumin content in serum. Ek N. **Acta Vet Scand** 1980; 21(4):482–97
Competitive interaction of biliverdin and bilirubin only at the primary bilirubin binding site on human albumin. Ahlfors CE. **Anal Biochem** 1981 Jan 15;110(2):295–307
Energy-transfer immunoassay: a study of the experimental parameters in an assay for human serum albumin. Lim CS, et al. **Anal Biochem** 1980 Oct;108(1):176–84
Automated continuous-flow determination of serum albumin by differential pulse polarography. Alexander PW, et al. **Anal Chem** 1980 Oct;52(12):1896–900
The radioimmunoassay of human serum albumin with antibody adsorbed on porous glass beads. Aw SE. **Ann Acad Med Singapore** 1980 Jan;9(1):85–7
Age and sex related levels of albumin, ceruloplasmin, alpha 1 antitrypsin, alpha 1 acid glycoprotein, and transferrin. Denko CW, et al. **Ann Clin Lab Sci** 1981 Jan–Feb; 11(1):63–8
Glycosylated serum protein and hemoglobin A1 levels to measure control of glycemia. Kennedy AL, et al. **Ann Intern Med** 1981 Jul;95(1):56–8
Direct demonstration of the highly reactive tyrosine residue of human serum albumin located in fragment 299–585. Fehske KJ, et al. **Arch Biochem Biophys** 1980 Nov; 205(1):217–21
Ligand-affinity sedimentation equilibrium using an air-driven ultracentrifuge. Howlett GJ, et al. **Arch Biochem Biophys** 1980 Jul;202(2):507–14
Disruption of the tryptophan binding site in the human serum albumin dimer. Sollenne NP, et al. **Arch Biochem Biophys** 1981 Apr 1;207(2):264–9
The prealbumin nature of the amyloid protein in familial amyloid polyneuropathy (FAP)-swedish variety. Skinner M, et al. **Biochem Biophys Res Commun** 1981 Apr 30; 99(4):1326–32
Bisalbuminaemia: report from Calcutta [letter] Swain BK, et al. **Biomedicine** 1980;33(6):172–3
The early changes in retinol-binding protein and prealbumin concentrations in plasma of protein-energy malnourished children after treatment with retinol and an improved diet. Large S, et al. **Br J Nutr** 1980 May;43(3):393–402
Continuous-flow serum albumin determination by reaction with picrate ions, with use of a flow-through picrate ion electrode. Diamandis EP, et al. **Clin Chem** 1981 Mar; 27(3):427–30
Four methods for determining albumin in azotemic sera evaluated. Gulyassy PF, et al. **Clin Chem** 1981 Feb; 27(2):322–5
Standardization of immunochemical determinations of serum albumin. Keyser JW, et al. **Clin Chem** 1981 May;27(5):736–8
Albumin-bound fluorescence in serum of patients with chronic renal failure. Schwertner HA, et al. **Clin Chem** 1980 Apr;26(5):649–52
Albumin and beta 2-microglobulin radioimmunoassays applied to monitoring of renal-allograft function and in differentiating glomerular and tubular diseases. Woo J, et al. **Clin Chem** 1981 May;27(5):709–13
Structural or functional heterogeneity of normal human serum albumin, allo albumin, bisalbumin. Giuliani A, et al. **Clin Chim Acta** 1981 Jun 2;113(1):43–9
Serum 'prealbumin' as an index of liver function in human hepatobiliary disease. Hutchinson DR, et al. **Clin Chim Acta** 1981 Jul 18;114(1):69–74
Serum levels of vitamin A, beta-carotene and albumin in children with measles. Laditan AA, et al. **East Afr Med J** 1981 Jan;58(1):51–5
Hypocalcaemia in a hospital population. Ojwang PJ, et al. **East Afr Med J** 1981 Apr;58(4):253–7
Bilirubin-albumin binding affinity and serum albumin concentration during intensive phototherapy (blue double light) in jaundiced newborn infants. Ebbesen F, et al. **Eur J Pediatr** 1980 Sep;134(3):261–3
Altered proteins in ageing organisms--purification and properties of serum albumin from adult and ageing C57BL mice. Schofield JD. **Exp Gerontol** 1980;15(5):443–55
Altered proteins in ageing organisms--application of circular dichroism spectroscopy to study the thermal denaturation of purified serum albumin from adult and ageing C57BL mice. Schofield JD. **Exp Gerontol** 1980;15(6):533–8
Characterization of the interaction between polymerized human albumin and hepatitis B surface antigen. Milich DR, et al. **Gastroenterology** 1981 Aug;81(2):218–25
The influence of citrate ions on the radiochemical purity of 99Tcm-human serum albumin. Pszona A, et al. **Int J Appl Radiat Isot** 1981 May;32(5):349–50
Association of a low serum albumin with infection and increased mortality in critically ill patients. Dominguez de Villota E, et al. **Intensive Care Med** 1980 Nov;7(1):19–22
Specific quantitation by HPLC of protein (lysine) bound glucose in human serum albumin and other glycosylated proteins. Schleicher E, et al. **J Clin Chem Clin Biochem** 1981 Feb;19(2):81–7
Immunoassay of serum alphafetoprotein and albumin reflects the mode of tissue preparation: implications for steroid hormone receptor assays. Linkie DM, et al. **J Immunoassay** 1980;1(2):271–84
Effect of nutritional support on serum albumin: comparison of techniques. Smith JP, et al. **JAOA** 1981 Mar;80(7):484–7
Serum albumin and nutritional status. Forse RA, et al. **JPEN** 1980 Sep-Oct;4(5):450–4
Distribution of albumin- and/or alpha-fetoprotein-positive cells in hepatocellular carcinoma. Kojiro M, et al. **Lab Invest** 1981 Mar;44(3):221–6
Precise determination of protein antigenic structures has unravelled the molecular immune recognition of proteins and provided a prototype for synthetic mimicking of other protein binding sites. Atassi MZ. **Mol Cell Biochem** 1980 Aug 29;32(1):21–43 (88 ref.)
Trisalbuminemia [letter] Vaysse J, et al. **N Engl J Med** 1981 Oct 1;305(14):833–4
An analysis of the heterogeneity of albumin. Janatova J, et al. **Prep Biochem** 1980;10(4):405–30
Prostaglandin synthesis inhibition by maternal and fetal sheep plasma and its relation to haptoglobin and albumin levels. Brennecke SP, et al. **Prostaglandins Med** 1981 Feb; 6(2):243–8
Bovine serum albumin and cell counts in the diagnosis of subclinical udder infections. Verhoeff J, et al. **Tijdschr Diergeneeskd** 1981 Jan 15;106(2):suppl 3:38–45
Normal serum immunoglobulin and albumin levels in adult Ghanaians compared with levels in adults in Europe. Riches PG, et al. **Trop Geogr Med** 1980 Jun;32(2):151–7
Fatty acid patterns during plasma fractionation. Morgenthaler JJ, et al. **Vox Sang** 1980;38(5):288–93
[Total protein and albumins in late pregnancy toxicoses] Dimitrov A, et al. **Akush Ginekol (Sofiia)** 1981;20(1):10–3 (Bul)
[Neonatal screening for cystic fibrosis. Five years experience (author's transl)] Gilly R, et al. **Ann Pediatr (Paris)** 1979 Dec;26(10):663–8 (Eng. Abstr.) (Fre)
[Bisalbuminemia in pancreatitis without serous effusion or pseudocyst (letter)] Dyan S, et al. **Nouv Presse Med** 1981 May 9;10(21):1746 (Fre)
[An improved method for selective determination of serum albumin by the bromcresol green method, using the SMAR 12/60 (author's transl)] Keller F, et al. **J Clin Chem Clin Biochem** 1981 Mar;19(3):169–71 (Eng. Abstr.) (Ger)
[Bisalbuminemia. A case with the transient form and critical review of the literature] Weigand K, et al. **Schweiz Med Wochenschr** 1981 Jun 6;111(23):859–63 (Eng. Abstr.) (Ger)
[Quantitative immunoenzyme method of analyzing embryonal prealbumin (EPA-1) in biological fluids] Kalashnikov VV, et al. **Biull Eksp Biol Med** 1980 Nov; 90(11):628–30 (Eng. Abstr.) (Rus)
[Modification of serum albumin in pathology] Bagdasar'ian SN, et al. **Dokl Akad Nauk SSSR** 1980 Nov-Dec; 255(1):222–4 (Rus)
[Determination of the polymorphism and aging of human serum albumin by an isofocusing method in a borate-polyol system] Azhitskii GIu, et al. **Probl Gematol Pereliv Krovi** 1981 Mar;26(3):40–2 (Rus)
[Physicochemical properties of a complex hemoglobin compound with modified albumin] Pshenichnaia LN, et al. **Probl Gematol Pereliv Krovi** 1980 Sep;25(9):8–12 (Rus)
[On the diagnosis of bone tumours. III. High-molecular and low-molecular serum constituents (author's transl)] Măsiar P, et al. **Acta Chir Orthop Traumatol Cech** 1981 Feb; 48(1):35–45 (Eng. Abstr.) (Slo)
[Bisalbuminemia and pseudobisalbuminemia: clinical significance (author's transl)] Gómez Agudo G, et al. **Med Clin (Barc)** 1980 May 25;74(10):399–402 (Eng. Abstr.) (Spa)

BIOSYNTHESIS

A possible role of cytoplasmic thioltransferase in the intracellular degradation of disulfide-containing proteins. Axelsson K, et al. **Acta Chem Scand [B]** 1980;34(2):139–40
Studies on the effect of phenylbutazone and salicylate on the rates of synthesis of albumin and acute-phase alpha 1-acid glycoprotein by rat liver slices. Jamieson JC, et al. **Biochem Med** 1980 Jun;23(3):293–301
Comparison of synthesis and secretion of plasma albumin, fibrinogen and alpha 2-macroglobulin by slices of Morris hepatomas and rat liver. Koj A. **Br J Exp Pathol** 1980 Jun;61(3):332–8
An analysis of rates of polypeptide chain elongation in avian liver explants following in vivo estrogen treatment. II. Determination of the specific rates of elongation of serum albumin and vitellogenin nascent chains. Gehrke L, et al. **J Biol Chem** 1981 Mar 10;256(5):2522–30
Amino acid sequence homology between rat alpha-fetoprotein and albumin at the COOH-terminal regions. Liao WS, et al. **J Biol Chem** 1980 Sep 10; 255(17):8046–9
Changes in rat alpha 1-fetoprotein and albumin mRNA levels during fetal and neonatal development. Liao WS, et al. **J Biol Chem** 1980 Nov 10;255(21):10036–9
[Synthesis, distribution and importance of serum albumin] Weigand K. **Klin Anaesthesiol Intensivther** 1980;21:52–64 (Ger)

BLOOD

[Prealbumin estimation in liver disease diagnosis (author's transl)] Cerhová M, et al. **Cas Lek Cesk** 1980 Sep 12; 119(36–37):977–80 (Eng. Abstr.) (Cze)

DEFICIENCY

Serum protein changes in experimentally induced amyloidosis in hamsters. Zóltowska A, et al. **Arch Immunol Ther Exp (Warsz)** 1980;28(1):61–5
Dapsone and severe hypoalbuminaemia in dermatitis herpetiformis. Cowan RE, et al. **Br J Dermatol** 1981 Feb; 104(2):201–4
Further studies on plasma proteins, lipids, and dye- and drug-binding in a child with analbuminemia. Frohlich J, et al. **Clin Chem** 1981 Jul;27(7):1213–6
Prolactin and cortisol in hypoalbuminemia. Chakraborty B, et al. **Indian Pediatr** 1980 Nov;17(11):875–7
Salicylate hepatotoxicity: the potential role of hypoalbuminemia. Gitlin N. **J Clin Gastroenterol** 1980 Sep; 2(3):281–5
Decreased anion gap associated with hypoalbuminemia and polyclonal gammopathy. Nanji AA, et al. **JAMA** 1981 Aug 21;246(8):859–60
Incidence and mortality of hypoalbuminemic patients in hospitalized veterans. Reinhardt GF, et al. **JPEN** 1980 Jul-Aug;4(4):357–9
Absence of albumin mRNA in the liver of analbuminemic rats. Esumi H, et al. **Proc Natl Acad Sci USA** 1980 Jun; 77(6):3215–9
Gallbladder wall thickening in association with hypoalbuminemia [letter] Jeanty P, et al. **Radiology** 1981 Apr;139(1):239
Analbuminemia: report of a case and review of the literature. Dammacco F, et al. **Vox Sang** 1980 Sep;39(3):153–61 (37 ref.)
[Myopathy, osteomalacia, and congenital hypoalbuminemia (author's transl)] Barbizet J, et al. **Rev Neurol (Paris)** 1981; 137(3):195–202 (Eng. Abstr.) (Fre)

DIAGNOSTIC USE

Krypton-81m ventilation scintigraphy for the diagnosis of pulmonary emboli. Goris ML, et al. **Clin Nucl Med** 1981 May;6(5):207–12
Evaluation, in bronchial carcinoma, of tumour visualization with 197HgCl2 and its combination with the perfusion lung scintigraphy. Blockx P, et al. **J Belge Radiol** 1980; 63(6):693–9
Detection of experimentally produced acute pulmonary arterial occlusion by methyl iodide-131 inhalation imaging. Grossman ZD, et al. **Radiology** 1981 Aug;140(2):499–503
[Influence of the catheter-top-position upon the distribution pattern of continuous intra-arterially infused chemotherapeutic agent (author's transl)] Ichinohe H. **Radioisotopes** 1980 Nov;29(11):533–8 (Eng. Abstr.) (Jpn)
[Evaluation of pulmonary hypertension based on the quantitative analysis of a lung scan using 99mTc-labelled albumin macroaggregates] Jebavý P, et al. **Kardiologiia** 1981 Feb;21(2):31–4 (Rus)

[99mTc-labeled human serum albumin in blood circulation studies] Mikerova TM, et al. **Med Radiol (Mosk)** 1981 Apr; 26(4):3–4 (Eng. Abstr.) **(Rus)**

GENETICS

Quantitative comparisons of acidic prealbumin (PR) phenotypes in horses. Ek N, et al. **Acta Vet Scand** 1980; 21(3):380–8

Irregular transmissions in the acidic prealbumin (Pr) system of the horse. Braend M.
Anim Blood Groups Biochem Genet 1980;11(2):109–12

Variation of acidic prealbumins in the donkey (Equus asinus). Braend M, et al. **Anim Blood Groups Biochem Genet** 1980; 11(2):77–80

Polymorphic serum prealbumin (Pa) of pig, identified as and alpha1-protease inhibitor. Juneja RK, et al.
Anim Blood Groups Biochem Genet 1981;12(1):47–51

Protein polymorphism in quail populations selected for large body size. Maeda Y, et al.
Anim Blood Groups Biochem Genet 1980;11(4):251–60

Protease inhibitor system in horses: classification and detection of a new allele. Pollitt CC, et al.
Anim Blood Groups Biochem Genet 1980;11(4):235–44

Translation in vivo and in vitro of mRNAs coding for vitellogenin, serum albumin and very-low-density lipoprotein II from chicken liver. A difference in translational efficiency. Wieringa B, et al.
Eur J Biochem 1981 Mar;114(3):635–41

Plasma albumin patterns of the species Rana ridibunda in Greece. Kyriakopoulou-Sklavounou P. **Experientia** 1980 Oct 15;36(10):1171–2

Slow-moving serum albumin variant in a South Indian tribal population. Walter H, et al. **Hum Hered** 1980;30(6):357–60

Para-albumin polymorphism: an unlinked two-locus system in rainbow trout. Gall GA, et al. **J Hered** 1981 Jan–Feb; 72(1):22–6

Protein synthesis with membrane-bound polysomes and albumin messenger RNA from livers of mutant mice. Garland RC, et al. **Mol Cell Biochem** 1981 Apr 13; 36(1):29–35

Albumin Naskapi variant in North American Indians and Eti Turks. Franklin SG, et al. **Proc Natl Acad Sci USA** 1980 Sep;77(9):5480–2

Sequence homology between RNAs encoding rat alpha-fetoprotein and rat serum albumin. Jagodzinski LL, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3521–5

Nucleotide sequence of cloned rat serum albumin messenger RNA. Sargent TD, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):243–6

Additional data on albumin variants in Italy (one new type of slow variant, two new homozygotes for rare variants, four cases of analbuminemia). Porta F, et al.
Ric Clin Lab 1980 Jan–Mar;10(1):277–80

[Isoelectric focusing characteristics of the serum albumin of heterosis hybrid chicken] Sorkina DA, et al.
Zh Evol Biokhim Fiziol 1980 Jul–Aug;16(4):346–51 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Staphylococci producing a non-immune precipitation line with human serum. Osland A.
Acta Pathol Microbiol Scand [B] 1981 Apr;89B(2):133–5

Dependence of diffusion coefficients and immunoprecipitating titers on pH: albumin and IgG in human serum and their rabbit antibodies. Pokrić B, et al.
Anal Biochem 1980 Aug;106(2):389–96

Antialbumin agglutinins in HB8Ag-negative hepatic patients [letter] Lenkei R, et al. **Gastroenterology** 1980 Oct; 79(4):776–8

HBsAg-associated albumin receptors and antialbumin antibodies in sera of patients with liver disease. Thung SN, et al. **Gastroenterology** 1981 Feb;80(2):260–4

Kinetics of the decline phase of the primary response to human serum albumin in the bird. Henderson DC, et al.
Immunology 1980 Oct;41(2):449–55

Specificities of albumin receptors and albumin antibodies. Thung SN, et al. **Infect Immun** 1981 Jun;32(3):1292–4

Use of mini-microaggregated albumin to study reticuloendothelial system (RES) function in C. parvum-treated animals. Toki H, et al.
Int J Immunopharmacol 1981;3(2):147–52

Studies on the allergenic significance and structure of rat serum albumin. Wahn U, et al. **J Immunol** 1980 Dec; 125(6):2544–9

Radioimmunoassay of anti-albumin autoantibodies in human sera. Mihăescu S, et al. **J Immunol Methods** 1981; 42(2):187–93

The molar combining ratio of anti-albumin Fab' fragments to homologous and heterologous serum albumins. Kamiyama T, et al. **Microbiol Immunol** 1980;24(3):197–208

Antigenic specificity of glutaraldehyde-treated rabbit albumin. Onică D, et al. **Mol Immunol** 1980 Jun;17(6):783–9

Determination of urinary albumin excretion in subclinical forms of glomerulonephritis by electroimmunodiffusion. Buzio C, et al. **Ric Clin Lab** 1980 Jan–Mar;10(1):121–5

Presence of anti-albumin antibodies in viral hepatitis, infectious mononucleosis and several forms of cancer. Rosin S, et al. **Virologie** 1981 Apr–Jun;32(2):139–44

[Diagnostic and prognostic value of antialbumin antibodies (AAA) in acute viral hepatitis] Onesciuc I, et al.
Rev Ig [Bacteriol] 1980 Apr–Jun;25(2):111–5 (Eng. Abstr.) **(Rum)**

[Immunochemical identification of antigenic determinants of embryonic prealbumin (EPA-1)] Kalashnikov VV, et al.
Vopr Med Khim 1980 May–Jun;26(3):421–5 **(Rus)**

ISOLATION & PURIFICATION

Fluorescence properties of human serum albumin: effect of dialysis and charcoal treatment. Chen RF, et al.
Anal Biochem 1980 Jul 1;105(2):348–53

Plasma fractionation: production and properties of albumin. Boros B. **Ann Immunol Hung** 1979;19:149–61

Separation of macromolecules by ultrafiltration: removal of poly(ethylene glycol) from human albumin. Busby TF, et al. **J Biochem Biophys Methods** 1980 Apr;2(4):191–206

Isolation and characterization of lipid-protein complexes present in commercial albumin preparations. Fainaru M, et al. **Prep Biochem** 1981;11(3):273–90

Muscle beta-actinin and serum albumin of the chicken are indistinguishable by physicochemical and immunological criteria. Heizman CW, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):74–7

METABOLISM

Albumin extravasation in bicuculline-induced blood-brain barrier dysfunction. A comparison between endogeneous and 125I-labeled exogeneous serum albumin. Persson LI, et al. **Acta Neurol Scand** 1980 Oct;62(4):259–62

Specific demonstration of albumin by immunohistological techniques in human vasogenic brain edema. Fazekas A, et al. **Acta Neuropathol [Suppl] (Berl)** 1981;7:70–2

The relationship between serum bilirubin and reserve albumin for binding of bilirubin during phototherapy of preterm infants. Ebbesen F. **Acta Paediatr Scand** 1981;70(3):405–7

Plasma tryptophan binding to albumin in unipolar depressives. Riley GJ, et al. **Acta Psychiatr Scand** 1981 Feb;63(2):165–72

Exclusion of plasma proteins in interstitium of tissues from the dog hind paw. Bell DR, et al. **Am J Physiol** 1980 Oct; 239(4):H532–H538

Efflux of radiolabeled polyethylene glycols and albumin from rat brain. Cserr HF, et al. **Am J Physiol** 1981 Apr; 240(4):F319–28

Effect of aging on permeability of cockerel aorta to 125I-albumin. Ezekowitz MD, et al. **Am J Physiol** 1980 Nov;239(5):H642–50

Effect of arterial stretch on transmural albumin and Evan's blue dye transport. Fry DL, et al. **Am J Physiol** 1981 Apr; 240(4):H645–9

Predictive value of derived calcium figures based on the measurement of ionised calcium. Gardner MD, et al.
Ann Clin Biochem 1981 Mar;18(2):106–9

Identification of the sites of albumin catabolism in the rat. Baynes JW, et al. **Arch Biochem Biophys** 1981 Feb; 206(2):372–9

Amyloid in hereditary amyloid polyneuropathy is related to prealbumin. Dalakas MC, et al. **Arch Neurol** 1981 Jul; 38(7):420–2

Sepsis, glucose intolerance, and protein malnutrition: a metabolic paradox. Dahn M, et al. **Arch Surg** 1980 Dec; 115(12):1415–8

Leakage of plasma proteins onto the skin surface of sheep during the development of fleece-rot and body strike [letter] Watts JE, et al. **Aust Vet J** 1981 Feb;57(2):98–9

Contribution of cyanate to the albumin binding defect of uremia. Bachmann K, et al. **Biochem Pharmacol** 1981 May 15;30(10):1059–63

Coumarin antibiotic binding to human albumin. Coulson CJ, et al. **Biochem Pharmacol** 1981 Mar 1;30(5):447–52

The location of drug binding sites in human serum albumin. Fehske KJ, et al. **Biochem Pharmacol** 1981 Apr 1; 30(7):687–92 (102 ref.)

Cooperative interaction of warfarin and phenylbutazone with human serum albumin. Madsen BW, et al.
Biochem Pharmacol 1981 Jun 1;30(11):1169–73

Binding of cortisol to human albumin and serum: the effect of protein concentration. Mueller UW, et al.
Biochem Pharmacol 1981 Apr 1;30(7):727–33

Inverse dependence of binding constants upon albumin concentration. Results for L-tryptophan and three anionic dyes. Bowmer CJ, et al. **Biochim Biophys Acta** 1980 Jul 24;624(1):260–70

The interaction of human serum albumin and hemopexin with porphyrins. Morgan WT, et al. **Biochim Biophys Acta** 1980 Jul 24;624(1):271–85

The role of albumin conformation in the binding of diazepam to human serum albumin. Wilting J, et al.
Biochim Biophys Acta 1980 Dec 16;626(2):291–8

Zinc transport proteins in plasma. Chesters JK, et al.
Br J Nutr 1981 Jul;46(1):111–8

Binding (in vitro) of some antimitotic isatin derivatives to human serum albumin. Maysinger D, et al.
Chemotherapy 1981;27(2):80–4

Clinical relevance of the plasma reserve albumin binding capacity for bilirubin (RABC) and 'free' bilirubin concentration. Chan G, et al. **Clin Biochem** 1980 Dec; 13(6):292–4

Variable in vivo binding of valproic acid in epilepsy patients being medicated with other anticonvulsants [letter] Haidukewych D, et al. **Clin Chem** 1980 Oct;26(11):1634–5

A crossover study comparing the effect of particle size on the distribution of radiocolloid in patients. Kloiber R, et al. **Clin Nucl Med** 1981 May;6(5):204–6

Phenytoin binding to partially purified albumin in renal disease. Kinniburgh DW, et al. **Clin Pharmacol Ther** 1981 Feb;29(2):203–10

Effect of hyperprolactinaemia due to pituitary tumour on serum albumin, protein and oncotic pressure. Brajkovich IE, et al. **Clin Sci** 1981 Jul;61(1):119–21

Transvascular albumin flux and the interstitial water volume in experimental pulmonary oedema in dogs. Prichard JS, et al. **Clin Sci** 1980 Aug;59(2):105–13

Proteins in cerebrospinal fluid and plasma of fetal rats during development. Dziegielewska KM, et al. **Dev Biol** 1981 Apr 15;83(1):193–200

Selective extravascular escape of albumin into the cerebral cortex of the diabetic rat. Stauber WT, et al. **Diabetes** 1981 Jun;30(6):500–3

Interrelationships of blood glucose, cortisol, insulin and albumin in protein-energy malnutrition. Johnson AO, et al. **East Afr Med J** 1980 Nov;57(11):745–50

Thyroid hormone interactions: molecular conformation, protein binding, and hormone action. Cody V.
Endocr Rev 1980 Spring;1(2):140–66 (108 ref.)

Protein binding of valproic acid in the presence of elevated free fatty acids in patient and normal human serum. Zimmerman CL, et al. **Epilepsia** 1981 Feb;22(1):11–7

Binding of digitoxin, digoxin and gitoxin to human serum albumin. Tillement JP, et al.
Eur J Drug Metab Pharmacokinet 1980;5(3):129–34

Indomethacin and cerebrovascular permeability to albumin in acute hypertension and cerebral embolism in the rat. Johansson BB. **Exp Brain Res** 1981;42(3–4):331–6

Interaction between fluorescent-labeled ACTH1–24, isolated fat cells, and serum albumin. Ross JB, et al. **Experientia** 1980 Dec 15;36(12):1378–80

Effect of changing photoperiod on plasma thyroxine-binding prealbumin in Japanese quail (Coturnix coturnix japonica). El-Sayed M, et al. **Gen Comp Endocrinol** 1980 Aug; 41(4):539–45

Haeme binding to albumin and equilibria in the albumin-ferrihaemoglobin and albumin-haemopexin systems. Hrkal Z, et al. **Int J Biochem** 1980;12(4):619–24

Cholecystographic agents and drug binding to plasma albumin. Mudge GH. **Invest Radiol** 1980 Nov–Dec;15(6 Suppl):S102–8

Increases in lung lymph and albumin clearance with ethchlorvynol. Fairman RP, et al. **J Appl Physiol** 1981 Jun; 50(6):1151–5

Immunocytochemical identification of phenylalanine hydroxylase and albumin in cultured hepatoma cells and isolated rat hepatocytes. Baker RE, et al. **J Cell Biol** 1981 Jul;90(1):145–52

Retention data methods for the determination of drug-protein binding parameters by high-performance liquid chromatography. Sebille B, et al. **J Chromatogr** 1981 Jan 16;204:285–91

Distribution of subcutaneous thyroxine, triiodothyronine, and albumin in man: comparison with intravenous administration using a kinetic model. Hays MT, et al.
J Clin Endocrinol Metab 1980 Nov;51(5):1112–7

Familial euthyroid thyroxine excess: an appropriate response to abnormal thyroxine binding associated with albumin. Stockigt JR, et al. **J Clin Endocrinol Metab** 1981 Aug; 53(2):353–9

Albumin helps mediate removal of taurocholate by rat liver. Forker EL, et al. **J Clin Invest** 1981 May;67(5):1517–22

Albumin-binding interactions of sodium valproate. Fleitman JS, et al. **J Clin Pharmacol** 1980 Aug–Sep;20(8–9):514–7

Bilirubin, albumin, and the risk of kernicterus [letter] Wible KL. **J Pediatr** 1980 Dec;97(6):1038

Optical studies on interaction of biliary contrast agents with native and modified human serum albumin. Fehske KJ, et al. **J Pharm Sci** 1981 May;70(5):549–54

Effect of sodium oleate on salicylic acid binding to human serum albumin. Schwartz PA, et al. **J Pharm Sci** 1980 Nov; 69(11):1345–8

Effect of variation of plasma oleic acid concentration on relative concentration of free and protein bound warfarin. Schwartz PA, et al. **J Pharm Sci** 1981 Jan;70(1):114–5

In vitro binding of 14C-labeled acidic compounds to serum albumin and their tissue distribution in the rat. Fang SC, et al. **J Pharmacokinet Biopharm** 1980 Dec;8(6):583–97

Glomerular permeability to endogenous proteins in the rat: effects of acute hypertension. Olivetti G, et al.
Lab Invest 1981 Feb;44(2):127–37

Plasma prealbumin concentration in alpha 1-antitrypsin deficiency (PiZ). Felding P, et al. **Metabolism** 1980 Dec; 29(12):1203–5

Binding of drugs to human serum albumin. XIV. The theoretical basis for the interaction between phenytoin and valproate. Kober A, et al. **Mol Pharmacol** 1980 Sep; 18(2):237–42

The binding sites on human serum albumin for some nonsteroidal antiinflammatory drugs. Kober A, et al.
Mol Pharmacol 1980 Nov;18(3):421–6

Azapropazone binding to human serum albumin. Fehske KJ, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Aug; 313(2):159–63

Stopped-flow studies on drug-protein binding. 1. Kinetics of warfarin binding to human serum albumin. Rietbrock N, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Sep; 313(3):269–74

Reye syndrome: serum-induced alterations in brain

mitochondrial function are blocked by fatty-acid-free albumin [letter] Aprille JR. **Neurology (NY)** 1981 Feb; 31(2):230-2

Turnover of 131I-labelled albumin in horses with gastrointestinal disease. Dietz HH, et al. **Nord Vet Med** 1980 Sep;32(9):369-73

Photopherapy-induced covalent binding of bilirubin to serum albumin. Jori G, et al. **Pediatr Res** 1980 Dec;14(12):1363-6

Rapid fluorometric assay of bilirubin and bilirubin binding capacity in blood of jaundiced neonates: comparisons with other methods. Cashore WJ, et al. **Pediatrics** 1980 Sep; 66(3):411-6

Effect of free fatty acid concentration on furosemide binding to human serum albumin. Schwartz PA, et al. **Pharmacology** 1981;22(6):364-70

The effect of pH on the fluorescence of complexes of human serum albumin and bovine serum albumin with bilirubin. Lee JJ, et al. **Photochem Photobiol** 1981 May;33(5):757-60

Micropinocytic ingestion of glycosylated albumin by isolated microvessels: possible role in pathogenesis of diabetic microangiopathy. Williams SK, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2393-7

Prealbumin and the thyroid hormone nuclear receptor. Blake CC. **Proc R Soc Lond [Biol]** 1981 Mar 27;211(1185):413-31

Relationship between aortic histamine formation and aortic albumin permeability in atherogenesis. Hollis TM, et al. **Proc Soc Exp Biol Med** 1980 Nov;165(2):271-4

The mechanism of binding of the radiosensitizers metronidazole and misonidazole (Ro-07-0582) to bovine and human serum albumin--a proton NMR study. Sułkowska A, et al. **Radiat Res** 1981 Jan;85(1):1-12

Receptor for albumin on the liver cell surface may mediate uptake of fatty acids and other albumin-bound substances. Weisiger R, et al. **Science** 1981 Mar 6;211(4486):1048-51

Effects of cortisone on decrease of serum albumin secondary to experimental infections. Deysine M, et al. **Surg Gynecol Obstet** 1980 Oct;151(4):477-80

[Role of hemopexin and albumin in the metabolism of extracorpuscular hemoglobulin] Hrkal Z, et al. **Vnitr Lek** 1980 Nov;26(11):1107-11 (Eng. Abstr.) **(Cze)**

[Influence of surgery and hemodilution on the colloid osmotic pressure] Grundmann R, et al. **Chirurg** 1980 Sep; 51(9):594-600 (Eng. Abstr.) **(Ger)**

[Changes in, and substitution of serum-albumin after trauma and shock (author's transl)] Kox W, et al. **Unfallheilkunde** 1981 Jul;84(7):286-90 (Eng. Abstr.) **(Ger)**

[Appearance of sulfasalazine and sulfapyridine in breast milk and in the placental barrier as well as the effect of both substances on bilirubin binding to albumin] Järnerot G. **Z Gastroenterol [Verh]** 1981 Jun;19:27-8 **(Ger)**

[Binding capacity of albumin: comparison of the chromatographic method and electrophoretic method] Sampietro MG, et al. **Quad Sclavo Diagn** 1980 Sep; 16(3):303-11 (Eng. Abstr.) **(Ita)**

[Competitive in vitro binding of bilirubin and ceftizoxime to human serum albumin (author's transl)] Sakamoto H, et al. **Jpn J Antibiot** 1980 Jun;33(6):675-8 (Eng. Abstr.) **(Jpn)**

[Interaction of xanthurenic acid with bovine serum albumin (author's transl)] Sakoguchi T, et al. **Rinsho Byori** 1981 Feb;29(2):187-91 **(Jpn)**

[Processing of precursor proteins in the Golgi complex (author's transl)] Kato K. **Tanpakushitsu Kakusan Koso** 1980;25(6):415-24 (52 ref.) **(Jpn)**

[Experimental analysis of embichin interaction with human serum albumin] Luik AI, et al. **Farmakol Toksikol** 1980 Sep-Oct;43(5):593-7 (Eng. Abstr.) **(Rus)**

[Lipid transport by serum albumin in normal conditions and diseases of the hepatopancreatoduodenal system] Gaevskaia VA, et al. **Ukr Biokhim Zh** 1980 Nov-Dec;52(6):689-95 (Eng. Abstr.) **(Rus)**

[Brain prealbumins] Sinichkin AA. **Ukr Biokhim Zh** 1981 May-Jun;53(3):113-22 (99 ref.) (Eng. Abstr.) **(Rus)**

[Albumin and its therapeutic use - part I] Radović M, et al. **Bilt Hematol Transfuz** 1979;7(2-3):137-44 (Eng. Abstr.) **(Scr)**

[Binding of indomethacin and its derivatives to human serum albumin and human plasma (author's transl)] Trnavská Z, et al. **Bratisl Lek Listy** 1981;75(5):550-9 (Eng. Abstr.) **(Slo)**

PHARMACODYNAMICS

Electrostatic and structural properties of the surface of human erythrocytes. 3. Cell electrophoretical studies following addition of human serum albumin. Donath E, et al. **Acta Biol Med Ger** 1980;39(2-3):207-15

Influence of sex hormone binding globulin and serum albumin on the conversion of androstenedione to testosterone by human erythrocytes. Egloff M, et al. **Acta Endocrinol (Copenh)** 1981 Jan;96(1):136-40

Effects of serum components on the morphology of Sertoli cells in culture. Hutson JC, et al. **Anat Rec** 1980 Jun; 197(2):205-11

Replacement of animal serum proteins by human albumin for growth and interferon production by Namalva cells. Field AK, et al. **Antimicrob Agents Chemother** 1980 Dec; 18(6):930-2

Stimulation of triacylglycerol synthesis by intracellular serum albumin. Tove SB, et al. **Arch Biochem Biophys** 1980 Oct 15;204(2):600-11

Comparison of the inhibition by human serum, haptoglobin and albumin of biosynthesis of various prostaglandins. Denning-Kendall PA, et al. **Biochem Soc Trans** 1981 Feb; 9(1):93-4

Interaction of albumin and vincristine with a human lymphoblastic leukemia cell line in vitro. Jackson DV Jr, et al. **Cancer Biochem Biophys** 1980;4(3):133-6

Isolation of suppressor T lymphocytes adherent to histamine conjugated albumin and their role in suppression of IgG response to SRBC. Segal S, et al. **Cell Immunol** 1981 Mar 15;59(1):171-80

Inhibition of human peptidyl dipeptidase (angiotensin I converting enzyme: kininase II) by human serum albumin and its fragments. Klauser RJ, et al. **Hypertension** 1979 May-Jun;1(3):281-6

Effect of specific binding of human albumin, fibrinogen, and immunoglobulin G on surface characteristics of bacterial strains as revealed by partition experiments in polymer phase systems. Miörner H, et al. **Infect Immun** 1980 Sep; 29(3):879-85

Effects of basic proteins on spontaneous rosette formation between human lymphocytes and xenogeneic erythrocytes. Hokland P, et al. **Int Arch Allergy Appl Immunol** 1981; 65(2):212-9

Functional differences between resident and exudate peritoneal mouse macrophages: specific serum protein requirements for responsiveness to chemotaxins. Leonard EJ, et al. **J Reticuloendothel Soc** 1980 Nov;28(5):437-47

[Use of dried serum albumin as shield media in the preparation of lyophilized live vaccine against swine erysipelas] Stoew I, et al. **Arch Exp Veterinaermed** 1980; 34(1):59-61 (Eng. Abstr.) **(Ger)**

[Inverse pH-dependent shape changes of erythrocytes in the presence of albumin] Scheven C, et al. **Folia Haematol (Leipz)** 1980;107(3):454-8 (Eng. Abstr.) **(Ger)**

PHYSIOLOGY

Role of calcium and albumin in the autoregulation of renal perfusate flow. Baker S Jr, et al. **J Physiol (Lond)** 1981 Feb;311:1-9

Albumin shifts across the extracellular space secondary to experimental infections. Deysine M, et al. **Surg Gynecol Obstet** 1980 Nov;151(5):617-20

RADIATION EFFECTS

Radiophosphorus induced serum protein changes in Swiss albino mice. Malhotra N. **Radiobiol Radiother (Berl)** 1980 Feb;21(1):36-42

[Effects of alcohols on radiation transformation of human hemoglobin and serum albumin] Shveda-Levandovska Z, et al. **Radiobiologiia** 1980 Sep-Oct;20(5):654-8 (Eng. Abstr.) **(Rus)**

SECRETION

Assessment of the accuracy of segmental perfusion under an occluding balloon for measuring the intrajejunal secretion of albumin and immunoglobulin A. Rambaud JC, et al. **Gut** 1981 May;22(5):371-5

STANDARDS

On the standardisation of the direct spectrophotometric bilirubin determination. Influence of the albumin source and the molar bilirubin: albumin ratio. Bijster P, et al. **Ann Clin Biochem** 1981 Mar;18(2):102-5

THERAPEUTIC USE

Albumin: role and discriminative use in surgery. Lewis RT. **Can J Surg** 1980 Jul;23(4):322-8 (50 ref.)

Coagulation changes after albumin resuscitation. Cogbill TH, et al. **Crit Care Med** 1981 Jan;9(1):22-6

Hemodilution and recovery from experimental intestinal shock in rats: a comparison of the efficacy of three colloids and one electrolyte solution. Dawidson I, et al. **Crit Care Med** 1981 Jan;9(1):42-6

A blood component program for the treatment of surgical haemorrhage and its potential for national supplies of albumin and factor VIII. Lundsgaard-Hansen P. **Haematologia (Budap)** 1980;13(1-4):155-67

Current concepts in the utilization and provision of human albumin. O'Riordan JP. **Haematologia (Budap)** 1980; 13(1-4):175-84

The rational use of albumin and plasma protein solution. A report by a working party to the Australian Society of Blood Transfusion. **Pathology** 1980 Jul;12(3):461-5

[Albumin and its therapeutic use - Part II] Radović M, et al. **Bilt Hematol Transfuz** 1979;7(2-3):145-50 (Eng. Abstr.) **(Scr)**

SERUM ALBUMIN, BOVINE

A new method for determining the dissociation constant between macromolecules by gel permeation. Oshima G, et al. **Anal Biochem** 1981 Mar 1;111(2):366-71

Controlled coupling of mildly reduced proteins to Sepharose gelatin by heterobifunctional reagent. Habeeb AF. **Biochem Biophys Res Commun** 1981 Jun 16;100(3):1154-66

p-Isothiocyanatophenyl 6-phospho-alpha-D-mannopyranoside coupled to albumin. A model compound recognized by the fibroblast lysosomal enzyme uptake system. 2. Biological properties. Karson EM, et al. **Biochemistry** 1980 Aug 5;19(16):3856-60

Structure-volume relationships: singular volume effects produced by cupric ion-globular protein interaction. Katz S, et al. **Biochemistry** 1980 Aug 5;19(16):3805-13

Identification of the corticotropin binding domain of bovine serum albumin by photoaffinity labeling. Muramoto K, et al. **Biochemistry** 1981 Jun 9;20(12):3380-5

Depletion and exchange of cholesterol from the membrane of vesicular stomatitis virus by interaction with serum lipoproteins or poly(vinylpyrrolidone) complexed with bovine serum albumin. Pal R, et al. **Biochemistry** 1981 Feb 3;20(3):530-9

p-Isothiocyanatophenyl 6-phospho-alpha-D-mannopyranoside coupled to albumin. A model compound recognized by the fibroblast lysosomal enzyme uptake system. 1. Chemical synthesis and characterization. Sando GN, et al. **Biochemistry** 1980 Aug 5;19(16):3850-5

Preparation of some new neoglycoproteins by amidination of bovine serum albumin using 2-imino-2-methoxyethyl 1-thioglycosides. Stowell CP, et al. **Biochemistry** 1980 Oct 14;19(21):4899-904

Applicability of the potentiometric titration method to the analysis of the expansion process of bovine plasma albumin in acidic solutions. Muroga Y, et al. **Biophys Chem** 1981 Feb;13(1):97-103

Total internal reflection/fluorescence photobleaching recovery study of serum albumin adsorption dynamics. Burghardt TP, et al. **Biophys J** 1981 Mar;33(3):455-67

A kinetic and structural study of two-step aggregation and fusion of neutral phospholipid vesicles promoted by serum albumin at low pH. Schenkman S, et al. **Chem Phys Lipids** 1981 Mar;28(2):165-80

Interaction of GM1 ganglioside with bovine serum albumin: formation and isolation of multiple complexes. Tomasi M, et al. **Eur J Biochem** 1980 Oct;111(2):315-24

Water wettability of antigen and antigen-antibody layers on solid surfaces studied by the contact angle measurement technique. Elwing H. **FEBS Lett** 1980 Jul 28;116(2):239-42

Thermodynamics of binding cationic & anionic detergents to gelatin & gelatin-BSA mixture. Sen M, et al. **Indian J Biochem Biophys** 1980 Dec;17(6):405-13

The role of bovine serum albumin on the permeability of a model membrane. Neitchev VZ, et al. **Int J Biochem** 1981;13(1):113-6

Protein-binding of ascorbic acid: 1. Binding to bovine serum albumin. Molloy TP, et al. **Int J Vitam Nutr Res** 1980; 50(4):380-6

Protein-binding of ascorbic acid 2. Interaction with acetylsalicylic acid. Molloy TP, et al. **Int J Vitam Nutr Res** 1980;50(4):387-92

Stepwise immobilization of proteins via their glycosylation. Gemeiner P, et al. **J Biochem Biophys Methods** 1981 Jun; 4(5-6):309-19

Protein quinone complexes. Bovine plasma albumin and halogenated p-quinones. Beales KJ, et al. **J Bioenerg Biomembr** 1978 Aug;10(3-4):101-8

Stabilization of proteins by solvents. Effect of pH and anions on the positive cooperativity of 2-nonanone binding to bovine serum albumin. Damodaran S, et al. **J Biol Chem** 1980 Sep 25;255(18):8503-8

Refolding of bovine serum albumin and its proteolytic fragments. Regain of disulfide bonds, secondary structure, and ligand-binding ability. Johanson KO, et al. **J Biol Chem** 1981 Jan 10;256(1):445-50

Additives to biological substances. I. Effect of added carbohydrates on bovine serum albumin. Tarelli E, et al. **J Biol Stand** 1981;9(2):121-9

Binding of methyl methacrylate to bovine serum albumin. Fujisawa S, et al. **J Dent Res** 1980 Dec;59(12):2056-61

Synthesis of fluorescein labelled steroid hormone-albumin conjugates for the fluorescent histochemical detection of hormone receptors. Gaetjens E, et al. **J Steroid Biochem** 1980 Aug;13(8):1001-3

Effect of polynucleotides and a basic protein on the condensation of phenylalanyl adenylate. Ishigami M, et al. **Orig Life** 1980 Sep;10(3):293-9

The effects of radioiodination and fluorescent labelling on albumin. Crandall RE, et al. **Prep Biochem** 1981; 11(2):111-38

Magnetic modulation of release of macromolecules from polymers. Hsieh DS, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1863-7

The human thymus. II. Partial characterization of thymocytes separated on bovine serum albumin gradients. Meyskens FL Jr, et al. **Thymus** 1980 Dec;2(3):165-75

[In vitro studies on the fixation dependent artifact formation in electron microscope autoradiography] Ockenfels H, et al. **Acta Histochem [Suppl] (Jena)** 1981;24:301-7 (Eng. Abstr.) **(Ger)**

[Spin label study of slow molecular rotations of globular proteins using microwave saturation effects in electron paramagnetic resonance] Livshits VA, et al. **Mol Biol (Mosk)** 1980;14(1):182-9 (Eng. Abstr.) **(Rus)**

[Study of binding of spin probes of the carboline and benzocarboline series to bovine serum albumin] Timofeev VP, et al. **Mol Biol (Mosk)** 1980 Nov-Dec;14(6):1406-12 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Correlation between the injection of specific proteins in starfishes and the appearance of binding sites for the same

proteins in cell populations of their axial organ. Leclerc M, et al. **Cell Immunol** 1980 Jul 15;53(1):1–9

Serum albumin beads: an injectable, biodegradable system for the sustained release of drugs. Lee TK, et al. **Science** 1981 Jul 10;213(4504):233–5

ANALYSIS

A solid-phase optoelectronic sensor for serum albumin. Goldfinch MJ, et al. **Anal Biochem** 1980 Dec;109(2):216–21

Automated continuous-flow determination of serum albumin by differential pulse polarography. Alexander PW, et al. **Anal Chem** 1980 Oct;52(12):1896–900

Foetal and neonatal albumins in bovines: some biochemical and immunochemical properties. Montiel N, et al. **Aust J Exp Biol Med Sci** 1980 Aug;58(4):381–9

Determination of interactive thiol ionizations in bovine serum albumin, glutathione, and other thiols by potentiometric difference titration. Lewis SD, et al. **Biochemistry** 1980 Dec 23;19(26):6129–37

Influence of blood proteins on biomedical analysis. I. Interaction of xanthurenic acid with bovine serum albumin. Kobayashi K, et al. **Chem Pharm Bull (Tokyo)** 1980 Oct; 28(10):2960–6

Isolation & characterization of a peptic fragment of bovine serum albumin. Khan MY. **Indian J Biochem Biophys** 1980 Feb;17(1):18–20

An analysis of the heterogeneity of albumin. Janatova J, et al. **Prep Biochem** 1980;10(4):405–30

[Interference of some detergent micelles with the titration of protein] Bruscalupi G, et al. **Boll Soc Ital Biol Sper** 1979 Mar 15;55(5):450–4 (Eng. Abstr.) **(Ita)**

IMMUNOLOGY

Effects of immunizing rabbits against oestradiol-6-oxime-BSA on ovarian follicular development. Wielgosz GJ, et al. **Acta Endocrinol (Copenh)** 1980 Jun;94(2):235–41

Effect of immunization of guinea pigs on in vitro phagocytosis by polymorphonuclear leukocytes (PMNL). Tchórzewski H, et al. **Arch Immunol Ther Exp (Warsz)** 1980;28(2):215–8

Precipitating and agglutinating activity in duck anti-soluble protein immune sera. Toth TE, et al. **Avian Dis** 1981 Apr-Jun;25(2):338–52

Immune recognition of serum albumin. 11. Mouse antibodies against bovine serum albumin recognize the same antigenic sites that are recognized by rabbit antibodies. Sakata S, et al. **Biochim Biophys Acta** 1980 Sep 23;625(1):159–62

Early rheumatoid-like joint lesions in rabbits injected with foreign serum. IV. Influence of delayed-type hypersensitivity. Oldham G, et al. **Int Arch Allergy Appl Immunol** 1981;65(1):114–20

Effects of bovine serum albumin on normal human lymphocytes. Delafuente JC, et al. **J Clin Lab Immunol** 1980 Sep;4(2):107–10

Tolerance induction in mice selected for high or low antibody responsiveness. Heumann AM, et al. **J Immunogenet** 1980 Aug;7(4):349–58

Antigen density in ELISA; effect on avidity dependency. Lehtonen OP, et al. **J Immunol Methods** 1980;36(1):63–70

Preparation and antigenic properties of dehydroepiandrosterone sulfate-bovine serum albumin conjugates having a linkage through the position in ring D. Nambara T, et al. **J Pharmacobiodyn** 1980 Aug; 3(8):407–12

On the histopathogenesis of bovine serum-induced arthritis in the rabbit [letter] Smith RD. **J Rheumatol** 1980 Jul-Aug; 7(4):580–2

Bovine serum albumin humoral immune response in aged Fischer 344 rats. Kaplan PJ, et al. **Mech Ageing Dev** 1981 May;16(1):61–6

In vitro studies on the immunological memory for antibody response to bovine serum albumin. Nishikawa S, et al. **Microbiol Immunol** 1980;24(7):671–82

Allergenic and antigenic properties of bovine serum albumin. Wahn U, et al. **Mol Immunol** 1981 Jan;18(1):19–28

Immunosuppression in murine malaria. IV. The secondary response to bovine serum albumin. Strambachová-McBride J, et al. **Parasite Immunol** 1979 Summer;1(2):141–57

Antibody response to bovine serum albumin in mice: the efffects of psychosocial environmental change. Edwards EA, et al. **Proc Soc Exp Biol Med** 1980 Sep;164(4):478–81

The isolation of antibodies specific for 5-methyl-cytidine-bovine serum albumin. Mastronicolis SK, et al. **Z Naturforsch [C]** 1981 May-Jun;36(5–6):459–63

Development of immunoglobulins in conventional and SPF-mice of the BALB/c strain after stimulation with bovine serum albumin. Nielsen E, et al. **Z Versuchstierkd** 1981;23(1):52–8

[Suppressive effect of synthetic polypeptide GT on the induction of delayed-type hypersensitivity to a complex GT + methylated bovine serum albumin (author's transl)] Drach G, et al. **Ann Immunol (Paris)** 1980 Nov-Dec; 131D(3):299–307 (Eng. Abstr.) **(Fre)**

[Trials to eliminate the sex odor of growing boars through active immunization with an androstenone-protein conjugate] Fliess FR, et al. **Arch Exp Veterinaermed** 1980; 34(2):227–33 (Eng. Abstr.) **(Ger)**

[Modification of the immune response by using an antigen bound to synthetic polyelectrolytes] Petrov RV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Feb;(2):58–63 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

Isolation and characterization of lipid-protein complexes present in commercial albumin preparations. Fainaru M, et al. **Prep Biochem** 1981;11(3):273–90

METABOLISM

Effect of free fatty acids on the binding of salicylic acid to bovine serum albumin. Kaneo Y, et al. **Acta Pharm Suec** 1980;17(4):224–31

Protein binding of non-steroidal anti-inflammatory drugs. V. Effects of various drugs on the binding of naproxen to bovine serum albumin. Kaneo Y, et al. **Acta Pharm Suec** 1981;18(1):45–54

The fluorescein-mediated interaction of bovine serum albumin with fluorescent derivatives of prolactin and other polypeptides in polarization of fluorescence based assays. Church WR, et al. **Arch Biochem Biophys** 1981 Feb; 206(2):285–90

Effects of weak bases on the degradation of endogenous and exogenous proteins by rat yolk sacs. Livesey G, et al. **Biochem J** 1980 Jun 15;188(3):895–903

Effects of constituent fatty acids on the binding of lysophosphatidylcholines by serum albumin. Barlow WM, et al. **Biochim Biophys Acta** 1980 Oct 6;620(1):18–23

Cyclic AMP and permeability coefficient of albumin of the isolated rat mesentery. Effects of Escherichia coli endotoxin. Brachet E, et al. **Biochim Biophys Acta** 1981 Apr 3;673(4):495–503

Evidence for the binding states of copper(II)-serum albumin complexes as revealed by transient electric dichroism measurements. Yamagishi A. **Biopolymers** 1981 Jan; 20(1):201–7

Drug interactions. V. Binding of basic compounds to bovine serum albumin by fluorescent probe technique. Ozeki S, et al. **Chem Pharm Bull (Tokyo)** 1979 Mar;27(3):638–46

Nuclear magnetic resonance study of the binding of tolbutamide and chlorpropamide to bovine serum albumin. Ueda H, et al. **Chem Pharm Bull (Tokyo)** 1980;28(4):1016–21

Thermodynamics of binding of anionic detergent to bovine serum albumin. Sen M, et al. **Indian J Biochem Biophys** 1980 Oct;17(5):370–6

Binding of noradrenaline to bovine serum albumin. Farre ER, et al. **Int J Nucl Med Biol** 1981;8(1):65–75

Polyphosphate binding interactions with bovine serum albumin in protein-polyphosphate precipitates. Vandegrift V, et al. **J Agric Food Chem** 1981 May-Jun;29(3):536–9

Adventitious binding of 3H-labeled nucleotides to protein during polymerase assays. Kalf GF. **J Biochem Biophys Methods** 1981 Jun;4(5–6):247–54

Binding of eugenol and o-ethoxybenzoic acid to bovine serum albumin. Fujisawa S, et al. **J Dent Res** 1981 Apr; 60(4):860–4

Activity of free and carrier-bound methotrexate against transport-deficient and high dihydrofolate dehydrogenase-containing methotrexate-resistant L1210 cells. Chu BC, et al. **JNCI** 1981 Jan;66(1):121–4

Binding of anionic ligands to peptic fragments of bovine serum albumin. Meisner H. **Mol Pharmacol** 1980 Sep; 18(2):224–9

Quantitative assessment of the competitive binding of anionic ligands to albumin. Meisner H, et al. **Mol Pharmacol** 1980 Sep;18(2):230–6

Development of gastrointestinal mucosal barrier. II. The effect of natural versus artificial feeding on intestinal permeability to macromolecules. Udall JN, et al. **Pediatr Res** 1981 Mar;15(3):245–9

Development of gastrointestinal mucosal barrier. I. The effect of age on intestinal permeability to macromolecules. Udall JN, et al. **Pediatr Res** 1981 Mar;15(3):241–4

Influence of temperature on the absorption of inhaled bovine serum albumin through isolated rabbit lungs. Hostetter MW, et al. **Proc Soc Exp Biol Med** 1981 Jul;167(3):412–8

The mechanism of binding of the radiosensitizers metronidazole and misonidazole (Ro-07-0582) to bovine and human serum albumin--a proton NMR study. Sułkowska A, et al. **Radiat Res** 1981 Jan;85(1):1–12

[Decrease in the rats of intraliposomal proteolysis and labilization of rat liver lysosomes following suramin administration] Korolenko TA, et al. **Biull Eksp Biol Med** 1980 Dec;90(12):686–8 (Eng. Abstr.) **(Rus)**

[Digestion of incoagulable proteins during the early postnatal period of development] Stan EIa, et al. **Vopr Med Khim** 1980 May-Jun;26(3):339–45 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Stimulation of rat ovarian ornithine decarboxylase in vitro by hCG, amino acids and bovine serum albumin. Käpyaho K. **Acta Endocrinol (Copenh)** 1980 Aug;94(4):571–6

Effect of albumin on the function of perfused rat kidney. Schurek HJ, et al. **Am J Physiol** 1981 Jun;240(6):F569–76

Replacement of animal serum proteins by human albumin for growth and interferon production by Namalva cells. Field AK, et al. **Antimicrob Agents Chemother** 1980 Dec; 18(6):930–2

Reversal of dibromothymoquinone inhibition of photosynthetic electron transport by bovine serum albumin. Robinson HH, et al. **Arch Biochem Biophys** 1980 Sep; 203(2):681–90

Serum lipoproteins and albumin in the lecithin:cholesterol acyltransferase reaction. Yao JK, et al. **Biochem Biophys Res Commun** 1980 Jul 31;95(2):738–44

Mechanisms for albumin-mediated membrane damage. Drainas D, et al. **Eur J Biochem** 1981 Feb;114(2):239–45

Uptake and metabolism of fatty acids by dispersed adult rat heart myocytes. II. Inhibition by albumin and fatty acid homologues, and the effect of temperature and metabolic reagents. DeGrella RF, et al. **J Biol Chem** 1980 Oct 25; 255(20):9739–45

The kinetics of the phospholipase A2-catalyzed hydrolysis of Egg phosphatidylcholine in unilamellar vesicles. Product inhibition and its relief by serum albumin. Kupferberg JP, et al. **J Biol Chem** 1981 Jun 25;256(12):6274–81

Properties of acyl-CoA:cholesterol acyltransferase in rat liver microsomes. Topological localization and effects of detergents, albumin, and polar steroids. Lichtenstein AH, et al. **J Biol Chem** 1980 Oct 10;255(19):9098–104

Inhibition of soluble guanylate cyclase by bovine serum albumin. White AA, et al. **J Cyclic Nucleotide Res** 1980; 6(4):271–82

In vitro capacitation and the chemically induced acrosome reaction in bovine spermatozoa. Byrd W. **J Exp Zool** 1981 Jan;215(1):35–46

Regulation of antigen-induced lymphoproliferation by BSA gradient-separated T cell fractions. Emmons RP, et al. **J Immunol** 1981 Sep;127(3):821–4

Effects of albumin, amino acids, and clofibrate on the uptake of tryptophan by the rat brain. Bloxam DL, et al. **J Neurochem** 1980 Jan;34(1):43–9

Characterization of phospholipase A inhibition of stereospecific opiate binding and its reversal by bovine serum albumin. Lin HK, et al. **J Pharmacol Exp Ther** 1981 Jan;216(1):149–55

The role of commercial bovine serum albumin preparations in the culture of one-cell rabbit embryos to blastocysts. Kane MT, et al. **J Reprod Fertil** 1980 Nov;60(2):469–75

Protein effect on the antimony microelectrode in application to biological fluid. Satake N, et al. **Jpn J Physiol** 1980; 30(5):689–700

Effects of protectants on the activity of wheat mitochondria. Goldstein AH, et al. **Prep Biochem** 1981;11(1):33–47

[The effect of immunologic injury on experimental atherosclerosis in rabbits fed with cholesterol (author's transl)] Cai JH, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1979; 7(4):287–90 (Eng. Abstr.) **(Chi)**

[Genetic control of immune responsiveness to bovine serum albumin in the high and low antibody producer lines of mice (author's transl)] Heumann AM, et al. **Ann Immunol (Paris)** 1980 Mar-Apr;131(2):203–12 (Eng. Abstr.) **(Fre)**

[Use of dried serum albumin as shield media in the preparation of lyophilized live vaccine against swine erysipelas] Stoew I, et al. **Arch Exp Veterinaermed** 1980; 34(1):59–61 (Eng. Abstr.) **(Ger)**

THERAPEUTIC USE

Changes in components of sera from calves after injections of adult bovine serum. Staples GE, et al. **VM SAC** 1981 Feb;76(2):243–6

[Comparison of the antitumor, immunodepressive and toxic properties of carminomycin-albumin complexes differing in carminomycin content] Aleksander SK, et al. **Antibiotiki** 1981 Apr;26(4):298–302 (Eng. Abstr.) **(Rus)**

TOXICITY

Normal urinary protein composition in the female Wistar rat and its relationship to the proteinuria induced by intraperitoneal bovine albumin. Lawrence GM, et al. **Clin Sci** 1981 Jun;60(6):693–702

SERUM ALBUMIN, RADIO-IODINATED

Re: improved protein labeling by stannous tartrate reduction of pertechnetate [letter] Stern HS. **J Nucl Med** 1980 Sep; 21(9):893–4

[Albumin suspensions labelled with generator radionuclides. II. Labelling of reserve albumin suspensions with technetium-99m and indium-113m] Komárek P, et al. **Cesk Farm** 1980 May;29(3–4):81–5 (Eng. Abstr.) **(Cze)**

DIAGNOSTIC USE

Increased blood-brain barrier permeability during hyperthermia in the awake rat. Mueller SM. **Trans Am Neurol Assoc** 1979;104:81–3

[Urea excretion by the kidneys after the intravenous administration of 131I-albumin] Kozlov VV. **Med Radiol (Mosk)** 1980 Sep;25(9):58–62 (Eng. Abstr.) **(Rus)**

[Radiocardiographic evaluation of the hemodynamic effect of mitral commissurotomy at different stages of the postoperative period] Rizaev MN, et al. **Vestn Khir** 1980 May;124(5):14–7 (Eng. Abstr.) **(Rus)**

[131I-labelled albumin macroaggregate in the evaluation of regional chemotherapy in laryngeal cancer] Chizh GI, et al. **Vestn Otorinolaringol** 1980 Sep-Oct;(5):51–4 (Eng. Abstr.) **(Rus)**

METABOLISM

Net albumin transport across the wall of the rabbit common carotid artery perfused in situ. Caro CG, et al. **Atherosclerosis** 1980 Dec;37(4):497–511

Influence of static and oscillatory pressure/strain on 131I-albumin uptake by the wall of the isolated pig thoracic aorta. Batten JR, et al. **Cardiovasc Res** 1980 Oct; 14(10):590–600

[Comparative judgement of labelled human serum albumin preparations with respect to their excretion (experimental study) (author's transl)] Chačirov G, et al. **Radiobiol Radiother (Berl)** 1980;21(4):537–43 (Eng. Abstr.) **(Ger)**

SERUM GLOBULINS

Measurement of euglobulin fibrinolysis time in women with retarded fetal development. The effect of the clamping and step tests on plasminogen activator activity. Uszyński M, et al. **Eur J Obstet Gynaecol Reprod Biol** 1980 Dec; 11(3):147–55

Relationship between thyrotropin, thyroid hormones, thyroxine-binding globulin and estradiol-17 beta levels in normal pregnancy. Sawhney RC, et al. **Indian J Med Res** 1981 Jan;73:41–52

Tissue and glomerular deposition of globulin aggregates. Ginsburg DS, et al. **J Lab Clin Med** 1981 Mar;97(3):418–28

Identification by nucleotide sequence analysis of a goat pseudoglobin gene. Cleary ML, et al. **Nucleic Acids Res** 1980 Oct 24;8(20):4791–802

ANALYSIS

Affinity labeling of human serum thyroxine-binding globulin with N-bromoacetyl-L-thyroxine: identification of the labeled amino acid residues. Erard F, et al. **Arch Biochem Biophys** 1981 Jan;206(1):15–20

Automated solid-phase assay for estimation of thyroxine binding capacity in a screening program for congenital hypothyroidism [letter] Dussault JH, et al. **Clin Chem** 1981 Apr;27(4):643

Thyroxine-binding globulin concentrations in the plasma of severely ill patients [letter] Pannall PR, et al. **Clin Chem** 1980 Dec;26(13):1925–6

Demonstration by polyacrylamide gel electrophoresis or cancer-associated globulin in sera of newly diagnosed patients. Tal C, et al. **Isr J Med Sci** 1980 Aug;16(8):610–2

Immunoconglutinin and antibody against fibrinogen products in hemolytic anemia and nephritis resulting from infection with a Haemobartonella-like agent. Thoongsuwan S, et al. **J Parasitol** 1981 Aug;67(4):481–6

Serum complement and immunoglobulin values in small-for-gestational-age infants. Shapiro R, et al. **J Pediatr** 1981 Jul;99(1):139–41

Adsorption of antibody and globulin onto glass surfaces. Mizutani T. **J Pharm Sci** 1980 Oct;69(10):1226–7

[Congenital deficiency of thyroxine binding globulin (TBG). Study of 3 families] Fabris C, et al. **Minerva Pediatr** 1981 Mar 15;33(5):205–12 **(Ita)**

[Basic and clinical evaluation of the measurement of thyroxine binding globulin (author's transl)] Kanao K, et al. **Horumon To Rinsho** 1980;28(6):677–84 **(Jpn)**

[Measurement of thyroxine binding globulin in serum by radioimmunoassay (author's transl)] Mitsuma T, et al. **Horumon To Rinsho** 1980;28(6):721–25 **(Jpn)**

[Evaluation of solid phase radioimmunoassay for TBG (author's transl)] Morita T, et al. **Horumon To Rinsho** 1980 Sep;28(9):1093–9 **(Jpn)**

[Studies on TBG measurement with radioimmunoassay kit (author's transl)] Nakagawa T, et al. **Horumon To Rinsho** 1980 Oct;28(10):1237–43 **(Jpn)**

[Immune proteins of sputum in bronchial and lung diseases] Owsiński J. **Folia Med Cracov** 1981;22(2):171–93 (44 ref.) (Eng. Abstr.) **(Pol)**

[Value of the study of serum globulins of bronchial secretion in respiratory tract diseases] Owsiński J. **Pol Tyg Lek** 1980 Jul 21;35(29):1117–9 **(Pol)**

[On the diagnosis of bone tumours. III. High-molecular and low-molecular serum constituents (author's transl)] Măsiar P, et al. **Acta Chir Orthop Traumatol Cech** 1981 Feb; 48(1):35–45 (Eng. Abstr.) **(Slo)**

BIOSYNTHESIS

Course of serum-Ig concentrations in B12 chickens of the UM line. Lösch U, et al. **Immunobiology** 1981 Jun; 158(5):416–25

BLOOD

[Plasma TBG, T3 and T4 levels in the pregnant and non-pregnant women (author's transl)] Suzuki A, et al. **Horumon To Rinsho** 1980 Aug;28(8):969–73 **(Jpn)**

GENETICS

Genetic polymorphism of a serum euglobulin of chickens which binds to antigen-antibody complexes. Ivanyi J, et al. **Immunogenetics** 1980;10(1):83–92

IMMUNOLOGY

Preparation and use of erythrocyte-globulin conjugates to Lassa virus in reversed passive hemagglutination and inhibition. Goldwasser RA, et al. **J Clin Microbiol** 1980 Jun;11(6):593–9

Funnelweb-spider venom antagonist. Atkinson RK, et al. **Med J Aust** 1980 Sep 20;2(6):329–30

A simplified method for the preparation of immune-serum globulin. Hao YL, et al. **Vox Sang** 1981 Apr;40(4):278–85

ISOLATION & PURIFICATION

Purification of bovine conglutinin using pepsin digestion. Maire MA, et al. **Mol Immunol** 1981 Feb;18(2):85–9

METABOLISM

Specific binding of thyroid-stimulating hormone by human serum globulins. Bíró J. **J Endocrinol** 1981 Mar; 88(3):339–49

PHYSIOLOGY

Fibrinolytic activity of salivary euglobulin fractions precipitated at pH 5.9 or 6.4 before and after mixing with blood. Gersel-Pedersen N. **Int J Oral Surg** 1980 Jun; 9(3):190–7

Interactions of immunoconglutinin and immune complexes in cold autohemagglutination associated with African trypanosomiasis. Rickman WJ, et al. **J Parasitol** 1981 Apr; 67(2):159–63

The euglobulin clot lysis time, a rapid and sensitive method for the assay of fibrinolytic activity after venous stasis. Nordby E, et al. **Scand J Haematol** 1980 Nov;25(5):407–11

RADIATION EFFECTS

Radiophosphorus induced serum protein changes in Swiss albino mice. Malhotra N. **Radiobiol Radiother (Berl)** 1980 Feb;21(1):36–42

SERUM PROTEINS see **BLOOD PROTEINS**

SERUM SIALOMUCIN see **OROSOMUCOID**

SERUM SICKNESS

CHEMICALLY INDUCED

Antigranulocyte antibodies and deranged immune function associated with phenytoin-induced serum sickness. Menitove JE, et al. **Am J Hematol** 1981;10(3):277–84

Isoniazid-induced serum sickness: report of case. Simelaro J, et al. **JAOA** 1981 Jan;80(5):348–9

COMPLICATIONS

Acute non-A, non-B hepatitis with serum sickness-like syndrome and aplastic anemia. Perrillo RP, et al. **JAMA** 1981 Feb 6;245(5):494–6

[Hemorrhagic vasculitis as a manifestation of serum disease] Okhrimovich LM, et al. **Vrach Delo** 1980 Oct;(10):47–8 **(Rus)**

DIAGNOSIS

[Case of thrombopenic purpura after injection of bovine tetanus antiserum] Rafalski J, et al. **Wiad Lek** 1980 Jun 1;33(11):919–21 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Hypersensitivity reactions associated with botulinal antitoxin. Black RE, et al. **Am J Med** 1980 Oct;69(4):567–70

Registration is not informed consent: the swine flu program revisited. Pavarini PA. **Public Health Rep** 1981 May-Jun; 96(3):287–8

IMMUNOLOGY

Binding sites for immune components in human choroid plexus. Peress NS, et al. **Arthritis Rheum** 1981 Mar; 24(3):520–6

Nephritogenic immune reactions involving immune complex formation in the circulation and in situ within the kidney. Wilson CB, et al. **Aust NZ J Med** 1981;11(Suppl 1):88–93

Immune complex deposition in the ciliary process of rabbits with acute and chronic serum sickness. Peress NS. **Exp Eye Res** 1980 Apr;30(4):371–8

Antigen concentration in tissues of rabbits with systemic chronic serum sickness. Neuland C, et al. **Int Arch Allergy Appl Immunol** 1981;64(4):385–94

PATHOLOGY

Early rheumatoid-like lesions in rabbits injected with foreign serum. V. Attempted super-imposition of allergization to cartilage collagen. Oldham G, et al. **Int Arch Allergy Appl Immunol** 1981;65(4):451–9

SERYL T RNA SYNTHETASE see under **AMINO ACYL T RNA SYNTHETASES**

SESAME OIL

ADVERSE EFFECTS

Anaphylaxis after sesame seed ingestion. Malish D, et al. **J Allergy Clin Immunol** 1981 Jan;67(1):35–8

SESAMEX see under **DIOXOLES**

SESAMOID BONES

BLOOD SUPPLY

[Nutritive arteries of the proximal sesamoid bones (Ossa sesamoidea proximalia) of horses] Freddi M, et al. **Anat Histol Embryol** 1980;9(3):220–3 (Eng. Abstr.) **(Ger)**

INJURIES

Fracture of the ulnar sesamoid bone of the thumb. Jones RP, et al. **Am J Sports Med** 1980 Nov-Dec;8(6):446–7

Avulsion fracture of the fibular sesamoid in association with dorsal dislocation of the metatarsophalangeal joint of the hallux: report of a case and review of the literature. Brown TI. **Clin Orthop** 1980 Jun;(149):229–31

Fractured fibular sesamoid: a case report. Glass B. **J Foot Surg** 1980 Spring;19(1):19–21

Fracture of the medical sesamoid bone of the hallux. Zinman H, et al. **J Trauma** 1981 Jul;21(7):581–2

[Fractures of the sesamoid bones of the hallux] Prokop'ev NIa, et al. **Ortop Travmatol Protez** 1981 Jun;(6):43 **(Rus)**

PATHOLOGY

The great toe sesamoid bones: the lus or lost souls of Ushaia. Helal B. **Clin Orthop** 1981;(157):82–7

The sesamoids of the hallux. Jahss MH. **Clin Orthop** 1981; (157):88–97

Anatomic variations in the first ray: Part II. Disorders of the sesamoids. Scranton PE Jr, et al. **Clin Orthop** 1980 Sep; (151):256–64

RADIOGRAPHY

[X-ray findings of the distal sesamoid bone of the horse] Zeller R. **DTW** 1980 Sep 5;87(9):344–5 **(Ger)**

SURGERY

[Success in the resection of the flexor tendon and hoof sesamoid bone in cattle- follow up studies] Lutz H, et al. **Berl Muench Tieraerztl Wochenschr** 1980 Jun 15; 93(12):221–4 (Eng. Abstr.) **(Ger)**

[A new surgical method for the dynamic correction and prevention of insufficiency of the 1st digital ray of the foot. Preliminary note] Bigazzi GF, et al. **Chir Ital** 1980 Aug; 32(4 Suppl):1–9 **(Ita)**

SESQUITERPENES

What is odoratin? Farnsworth NR, et al. **J Pharm Sci** 1980 Sep;69(9):1107

ADMINISTRATION & DOSAGE

Therapy for advanced colorectal cancer with a combination of 5-FU and anguidine: a Southwest Oncology Group Study. Goodwin W, et al. **Cancer Treat Rep** 1981 Mar-Apr; 65(3-4):359

ADVERSE EFFECTS

Impaired vitamin E status of chicks fed T-2 toxin. Coffin JL, et al. **Poult Sci** 1981 Feb;60(2):385–92

ANALYSIS

Radioimmunoassay of T-2 toxin in corn and wheat. Lee S, et al. **J Assoc Off Anal Chem** 1981 Jan;64(1):156–61

Radioimmunoassay of T-2 toxin in biological fluids. Lee S, et al. **J Assoc Off Anal Chem** 1981 May;64(3):684–8

High pressure liquid chromatographic determination of satratoxins G and H in cereal grains. Stack ME, et al. **J Assoc Off Anal Chem** 1980 Nov;63(6):1278–81

High-performance liquid chromatography of trichothecenes. I. Detection of T-2 toxin and HT-2 toxin. Schmidt R, et al. **J Chromatogr** 1981 Aug 7;212(3):370–3

The isolation and identification of several trichothecene mycotoxins from Fusarium heterosporum. Cole RJ, et al. **J Nat Prod** 1981 May-Jun;44(3):324–30

X-ray crystal structure analysis of 14-hydroxycaryophyllene oxide, a new metabolite of (–)-caryophyllene, in rabbits. Asakawa Y, et al. **J Pharm Sci** 1981 Jun;70(6):710–1

[The determination of curcumol in the volatile oil of Curcuma aromatica by phloroglucinol spectrophotometry (author's transl)] Yang SD, et al. **Yao Hsueh Hsueh Pao** 1980 Apr;15(4):228–33 (Eng. Abstr.) **(Chi)**

BIOSYNTHESIS

Swine refusal factors elaborated by Fusarium strains and identified as trichothecenes. Vesonder RF, et al. **Appl Environ Microbiol** 1981 Jan;41(1):323–4

Screening Fusarium strains isolated from overwintered Canadian grains for trichothecenes. Scott PM, et al. **Mycopathologia** 1980 Nov 28;72(3):175–80

CHEMICAL SYNTHESIS

Syntheses of corliolin, 1-deoxy-1-ketocoriolin and 1,8-dideoxy-1,8-diketocoriolin from coriolin B. Nishimura Y, et al. **J Antibiot (Tokyo)** 1980 Apr;33(4):404–7

Chemical modification of the ester group of diketocoriolin B. Nishmura Y, et al. **J Antibiot (Tokyo)** 1980 Apr; 33(4):393–403

IMMUNOLOGY

Potent contact allergen in the rubber plant guayule (Parthenium argentatum). Rodriguez E, et al. **Science** 1981 Mar 27;211(4489):1444–5

ISOLATION & PURIFICATION

Macrocyclic trichothecene toxins produced by a strain of Stachybotrys atra from Hungary. Harrach B, et al. **Appl Environ Microbiol** 1981 Jun;41(6):1428–32

Verrucarin L, a new macrocyclic trichothecene. Jarvis BB, et al. **J Antibiot (Tokyo)** 1981 Jan;34(1):120–1

Antitumor agents XXXVI: Structural elucidation of sesquiterpene lactones microhelenins-A, B, and C, microlenin acetate, and plenolin from Helenium microcephalum. Imakura Y, et al. **J Pharm Sci** 1980 Sep; 69(9):1044–9

Antitumor agents XXXVIII: Isolation and structural elucidation of novel germacranolides and triterpenes from Elephantopus mollis. Lee KH, et al. **J Pharm Sci** 1980 Sep; 69(9):1050–6

A complement inhibitor produced by Stachybotrys complementi, nov. sp. K–76, a new species of fungi imperfecti. Miyazaki W, et al. **Microbiol Immunol** 1980; 24(11):1091–108

[Studies on sesquiterpenelactones. VI. Chemical constitution of Artemisia feddei Lev. et Van (author's transl)] Matsueda S, et al. **Yakugaku Zasshi** 1980 Jun;100(6):615–8 (Eng. Abstr.) **(Jpn)**

[Identification of germacrene-D, one of the volatile metabolities produced by Actinomycetes (author's transl)] Tsuchiya Y, et al. **Yakugaku Zasshi** 1980 Apr;100(4):468–71 (Eng. Abstr.) **(Jpn)**

METABOLISM

The formation of cyclic sesquiterpenes from farnesyl pyrophosphate by prenyltransferase. Saito A, et al. **Arch Biochem Biophys** 1981 May;208(2):508–11

Metabolic fate of T–2 toxin in a lactating cow. Yoshizawa T, et al. **Food Cosmet Toxicol** 1981 Feb;19(1):31–9

Tissue distribution and disposition of hymenoxon. Hill DW, et al. **J Agric Food Chem** 1980 Nov–Dec;28(6):1269–73

X-ray crystal structure analysis of 14-hydroxycaryophyllene oxide, a new metabolite of (–)-caryophyllene, in rabbits. Asakawa Y, et al. **J Pharm Sci** 1981 Jun;70(6):710–1

[The metabolism of 3H-curcumol in normal rats and tumour bearing mice (author's transl)] Su CY, et al. **Yao Hsueh Hsueh Pao** 1980;15(5):257–62 (Eng. Abstr.) **(Chi)**

PHARMACODYNAMICS

Cytotoxicity of some sesquiterpene lactones 'in vitro'. Téllez-Martínez, et al. **Arch Invest Med (Mex)** 1980; 11(4):435–43 **(Eng, Spa)**

Ribosomal resistance to the 12,13-epoxytrichothecene antibiotics in the producing organism Myrothecium verrucaria. Hobden AN, et al. **Biochem J** 1980 Sep 15; 190(3):765–70

Cytostatic effects of T2 toxin on cultured human neoplastic cells of intestinal origin. Morel-Chany E, et al. **Bull Cancer (Paris)** 1980;67(2):149–54

Reduction of 1-beta-D-arabinofuranosylcytosine and adriamycin cytotoxicity following cell cycle arrest by anguidine. Teodori L, et al. **Cancer Res** 1981 Apr; 41(4):1263–70

Mycotoxin T–2 of Fusarium tricinctum and chromosome changes in Chinese hamster bone marrow. Norppa H, et al. **Hereditas** 1980;93(2):329–32

Effects of T2 toxin on DNA polymerases and terminal deoxynucleotidyl transferase of Molt4 and Nu8 cell lines. Munsch N, et al. **Immunopharmacology** 1980 Dec;2(4):313–8

Studies of the mechanism of action of diketocoriolin B to enhance antibody formation. Ishizuka M, et al. **J Antibiot (Tokyo)** 1981 Jan;34(1):95–102

Effects of fusarenon-X, a trichothecene produced by Fusarium nivale, on pregnant mice and their fetuses. Ito Y, et al. **Jpn J Exp Med** 1980 Jun;50(3):167–72

Inhibition of DNA biosynthesis in HeLa cells by cytotoxic and antitumor sesquiterpene lactones. Woynarowski JM, et al. **Mol Pharmacol** 1981 Jan;19(1):97–102

The cytostatic activity of the chlorohyssopifolins, chlorinated sesquiterpene lactones from Centaurea. González AG, et al. **Planta Med** 1980 Oct;40(2):179–84

Effects of T–2 toxin on brain catecholamines and selected blood components in growing chickens. Chi MS, et al. **Poult Sci** 1981 Jan;60(1):137–41

Cloning of yeast gene for trichodermin resistance and ribosomal protein L3. Fried HM, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):238–42

Synthesis of DNA in human fibroblasts treated with T–2 toxin and HT–2 toxin (the trichothecene metabolites of Fusarium species) and the effects of hydroxyurea. Agrelo CE, et al. **Toxicol Lett** 1980 Feb;5(2):155–60

[Pathogenicity of 'Candida albicans' for normal mice and mice treated by the mycotoxin diacetoxyscirpenol (author's transl)] Fromentin H, et al. **Ann Microbiol (Paris)** 1980 Jul–Aug;131B(1):39–46 (Eng. Abstr.) **(Fre)**

THERAPEUTIC USE

Antihyperlipidemic activity of sesquiterpene lactones and related compounds. Hall IH, et al. **J Pharm Sci** 1980 Jun; 69(6):694–7

[Stomalene in esophagogastric pathology, Study in 25 patients] Saigot T. **Med Chir Dig** 1980;9(7):651–2 **(Fre)**

TOXICITY

Subacute toxicity of Dietary T–2 toxin in mice: influence of protein nutrition. Hayes MA, et al. **Can J Comp Med** 1980 Apr;44(2):219–28

Subacute toxicity of dietary T–2 toxin in mice: morphological and hematological effects. Hayes MA, et al. **Can J Comp Med** 1980 Apr;44(2):203–18

The failure of purified T–2 mycotoxin to produce hemorrhaging in dairy cattle. Weaver GA, et al. **Can Vet J** 1980 Jul;21(7):210–3

Effects of feeding T–2 toxin to rats and monkeys. Rukmini C, et al. **Food Cosmet Toxicol** 1980 Jun;18(3):267–9

Low tumor incidence in rats with long-term feeding of fusarenon-X, a cytotoxic trichothecene produced by Fusarium nivale. Saito M, et al. **Jpn J Exp Med** 1980 Aug; 50(4):293–302

Experimental alimentary toxic aleukia in cats. Lutsky I, et al. **Lab Anim Sci** 1981 Feb;31(1):43–7

The acute oral toxicity of hymenoxon in sheep. Terry MK, et al. **Res Commun Chem Pathol Pharmacol** 1981 Jan; 31(1):181–4

Studies on mechanisms of diarrhea induced by fusarenon-X a trichothecene mycotoxin from Fusarium species. Matsuoka Y, et al. **Toxicol Appl Pharmacol** 1981 Mar 15; 57(3):293–301

SET (PSYCHOLOGY)

Child-rearing expectations of families with atypical children. Strom R, et al. **Am J Orthopsychiatry** 1981 Apr; 51(2):285–96

Autonomic responses to stress: the effects of progressive relaxation, the relaxation response, and expectancy of relief. Bradley BW, et al. **Biofeedback Self Regul** 1981 Jun; 6(2):235–51

Brain slow potential changes elicited by missing stimuli and by externally paced voluntary responses. McCallum WC. **Biol Psychol** 1980 Aug;11(1):7–19

Immediate and long-term memory for reinforcement context: the development of learned expectancies in early infancy. Mast VK, et al. **Child Dev** 1980 Sep;51(3):700–7

Expectancy, alcohol, and sex guilt as determinants of interest in and reaction to sexual stimuli. Lang AR, et al. **J Abnorm Psychol** 1980 Oct;89(5):644–53

Experimental designs, expectancy effects, and hypnotic analgesia. Stam HJ, et al. **J Abnorm Psychol** 1980 Dec; 89(6):751–62

The performance of autistic children on three learning set tasks. Prior M, et al. **J Child Psychol Psychiatry** 1980 Oct; 21(4):313–23

The effects of an expectancy state on the fate of applications and psychotherapy in an outpatient setting. Levitt EE, et al. **J Clin Psychiatry** 1981 Jun;42(6):234–37

Mental health attitudes and treatment expectations as treatment variables. Bowden CL, et al. **J Clin Psychol** 1980 Jul;36(3):653–7

The Personal Reactions Inventory: a scale to measure depressive attributions. Doyne E, et al. **J Clin Psychol** 1981 Apr;37(2):299–308

Motivational deficit in depression: people's expectations x outcomes' impacts. Layne C. **J Clin Psychol** 1980 Jul; 36(3):647–52

Effects of the match between listener expectancies and coarticulatory cues on the perception of speech. Mills CB. **J Exp Psychol [Hum Percept]** 1980 Aug;6(3):528–35

Sensory information, fear level, and reactions to pain. McCaul KD. **J Pers** 1980 Dec;48(4):494–504

Type of information, familiarity and the reduction of crowding stress. Baum A, et al. **J Pers Soc Psychol** 1981 Jan;40(1):11–23

Preschool children's understanding of children with orthopedic disabilities and their expectations. Popp RA, et al. **J Psychol** 1981 Jan;107(First Half):77–85

The prediction of pregnancy outcome: maternal preparation, anxiety and attitudinal sets. Beck NC, et al. **J Psychosom Res** 1980;24(6):343–51

When in doubt, say yes: acquiescence in interviews with mentally retarded persons. Sigelman CK, et al. **Ment Retard** 1981 Apr;19(2):53–8

Effect of passive concentration as instructional set for training enhancement of EEG alpha. Knox SS. **Percept Mot Skills** 1980 Dec;51(3 Pt 1):767–75

Extensionality of information accompanying effect of numerosity on estimation of time duration. Mo SS. **Percept Mot Skills** 1980 Dec;51(3 Pt 1):899–902

Influence of background patterns of coincidence-anticipation performance. Ridenour MV. **Percept Mot Skills** 1981 Feb; 52(1):47–50

Anticipation of pain-produced stress: electrophysiological study in man. Willer JC. **Physiol Behav** 1980 Jul;25(1):49–51

Auditory evoked transient and sustained potentials in the human EEG: I. Effects of expectation of stimuli. Hari R, et al. **Psychiatry Res** 1979 Dec;1(3):297–306

Will it hurt less if i can control it? A complex answer to a simple question. Thompson SC. **Psychol Bull** 1981 Jul; 90(1):89–101

Phobias and preparedness: instructional reversal of electrodermalconditioning to fear-relevant stimuli. McNally RJ. **Psychol Rep** 1981 Feb;48(1):175–80

Kent-Rosanoff Association and its implications for segmental set theory. Shakow D. **Schizophr Bull** 1980;6(4):676–85

[Does the expectation of a labile reaction influence coping with subsequent stresses?] Walschburger P. **Arch Psychol (Frankf)** 1979–80;132(4):207–20 (Eng. Abstr.) **(Ger)**

[The problem of figural aftereffects – from the viewpoint of set theory] Kawaguchi I. **Z Psychol** 1980;188(4):377–95 (Eng. Abstr.) **(Ger)**

[Alcoholism from the viewpoint of the theory of set (author's transl)] Kucek P. **Cesk Psychiatr** 1980 Jun;76(3):183–90 (Eng. Abstr.) **(Slo)**

SETARIASIS see under **FILARIASIS**

SEVIN

Novel phenomena arising from the use of acetylcholinesterase inhibiting insecticides against human head lice. Maunder JW. **Community Med** 1981 Feb;3(1):31–7

Formation of N-nitroso compounds of the pesticides atrazine, simazine and carbaryl with nitrogen oxides. Janzowski C, et al. **IARC Sci Publ** 1980;(31):329–39

ADMINISTRATION & DOSAGE

Application phenomena and efficacy of concentrated acaricide dusts for northern fowl mite control on caged laying hens. Hall RD, et al. **Poult Sci** 1981 Jun; 60(6):1187–94

ANALOGS & DERIVATIVES

Mutagenicity of nitrosocarbaryl and other methylating nitrosamides as related to uptake in Haemophilus influenzae. Elespuru RK. **Environ Mutagen** 1979; 1(3):249–57

The formation, chemistry and stability of N-nitrosocarbaryl under simulated stomach conditions. Kubacki SJ, et al. **IARC Sci Publ** 1980;(31):245–57

The analysis of N-Nitrosoatrazine and N-Nitrosocarbaryl in whole mice. Krull IS, et al. **J Anal Toxicol** 1980 Sep–Oct; 4(5):260–2

ANALYSIS

A comparison of chromatographic and spectrophotometric methods for the determination of carbaryl residues in cabbages. Bezuidenhout FJ, et al. **Bull Environ Contam Toxicol** 1981 Jun;26(6):789–94

Disappearance constants of carbaryl from streams contaminated by forest spraying. Stanley JG, et al. **Bull Environ Contam Toxicol** 1980;25(5):771–6

Microprocedure for determination of carbaryl in blood and tissues. Mount ME, et al. **J Anal Toxicol** 1980 Nov–Dec; 4(6):286–92

Carbaryl: a literature review. Mount ME, et al. **Residue Rev** 1981;80:1–64 (327 ref.)

IMMUNOLOGY

[Effect of sevin on body immunological reactivity] Akhundov VIu, et al. **Gig Sanit** 1981 Feb;(2):25–8 (Eng. Abstr.) **(Rus)**

METABOLISM

Phagocytic activity of the reticulo-endothelial system in the rat and rates of in vivo excretion of metabolites of carbaryl and in vitro microsomal metabolism. Pipy B, et al. **Biochem Pharmacol** 1981 Mar 15;30(6):669–72

The excretion of pesticides in saliva and its value in assessing exposure. Borzelleca JF, et al. **J Environ Sci Health [B]** 1980;B15(6):843–66

Study on the absorption and protein binding of carbaryl, dieldrin and paraquat in rats fed on protein diet. Tanaka R, et al. **J Toxicol Sci** 1981 Feb;6(1):1–11

Distribution and biliary excretion of carbaryl, dieldrin and paraquat in rats: effect of diets. Tanaka R, et al. **J Toxicol Sci** 1980 May;5(2):151–62

Carbaryl residues in tissues and cholinesterase activities in brain and blood of rats receiving carbaryl. Mount ME, et al. **Toxicol Appl Pharmacol** 1981 Apr;58(2):282–96

Phagocytic activity of the rat reticuloendothelial system and the pharmacokinetics of an anticholinesterasic insecticide: carbaryl. Pipy B, et al. **Xenobiotica** 1980 Oct;10(10):785–93

PHARMACODYNAMICS

Enhancement of varicella-zoster virus replication in cultured human embryonic lung cells treated with the pesticide carbaryl. Abrahamsen LH, et al. **Appl Environ Microbiol** 1981 Mar;41(3):652–6

[Mutagenic effect of various pesticides on Salmonella typhimurium] Jaszczuk E, et al. **Rocz Panstw Zakl Hig** 1980;31(3):305–11 (Eng. Abstr.) **(Pol)**

[Effect of toxobidine on the kinetics of cholinesterase inhibition reaction by chlorfenvinphos and carbaryl] Podolak M, et al. **Rocz Panstw Zakl Hig** 1980;31(2):25–31 (Eng. Abstr.) **(Pol)**

POISONING

Diagnostic criteria for carbaryl poisoning in sheep. Mount ME, et al. **Arch Environ Contam Toxicol** 1981 Jul;

10(4):483–95

THERAPEUTIC USE

Comparative evaluation of four registered acaricides for field control of northern fowl mites on caged laying hens. Hall RD, et al. **Poult Sci** 1980 Nov;59(11):2424–30

TOXICITY

Comparative toxicity of some pesticides on human health and some aquatic species. Basol MS, et al. **J Environ Sci Health [B]** 1980;B15(6):993–1004

Effects of carbaryl on variable interval response rates in rats. Anger WK, et al. **Neurobehav Toxicol** 1980 Spring; 2(1):21–4

SEWAGE

Application of semi-continuous culture on membrane filters for the study of activated sludge bacteria. Kunicka-Goldfinger W, et al. **Acta Microbiol Pol** 1980; 29(4):407–12

The yeasts of fresh water and sewage. Hagler AN, et al. **An Microbiol (Rio De J)** 1978;23:79–103

The speciation of coliform genera from above and below a sewer outfall and their susceptibilities to antimicrobial agents. Thirkell D, et al. **Antonie Van Leeuwenhoek** 1981; 47(2):133–45

Recovery of coliphages from wastewater effluents and polluted lake water by the magnetite-organic flocculation method. Bitton G, et al. **Appl Environ Microbiol** 1981 Jan; 41(1):93–6

Isolation of Candida albicans from freshwater and sewage. Cook WL, et al. **Appl Environ Microbiol** 1981 Mar; 41(3):840–2

Survival of enteroviruses and coliform bacteria in a sludge lagoon. Farrah SR, et al. **Appl Environ Microbiol** 1981 Feb; 41(2):459–65

Urea-lysine method for recovery of enteroviruses from sludge. Farrah SR, et al. **Appl Environ Microbiol** 1981 Feb; 41(2):455–8

Distribution of ribonucleic acid coliphages in raw sewage from treatment plants in Japan. Furuse K, et al. **Appl Environ Microbiol** 1981 May;41(5):1139–43

Features of rumen and sewage sludge strains of Eubacterium limosum, a methanol- and H2-CO2-utilizing species. Genthner BR, et al. **Appl Environ Microbiol** 1981 Jul; 42(1):12–9

Distribution of viruses associated with particles in waste water. Hejkal TW, et al. **Appl Environ Microbiol** 1981 Mar; 41(3):628–34

Effects of environmental variables and soil characteristics on virus survival in soil. Hurst CJ, et al. **Appl Environ Microbiol** 1980 Dec;40(6):1067–79

Survival of enteroviruses in rapid-infiltration basins during the land application of wastewater. Hurst CJ, et al. **Appl Environ Microbiol** 1980 Aug;40(2):192–200

One-year survey of enteroviruses, adenoviruses, and reoviruses isolated from effluent at an activated-sludge purification plant. Irving LG, et al. **Appl Environ Microbiol** 1981 Jan;41(1):51–9

Poliovirus retention in 75-cm soil cores after sewage and rainwater application. Landry EF, et al. **Appl Environ Microbiol** 1980 Dec;40(6):1032–8

Distribution of ribonucleic acid coliphages in Korea. Osawa S, et al. **Appl Environ Microbiol** 1981 Apr;41(4):909–11

Factors affecting salmonellae repopulation in composted sludges. Russ CF, et al. **Appl Environ Microbiol** 1981 Mar; 41(3):597–602

Survival of two enterobacteria in feces buried in soil under field conditions. Temple KL, et al. **Appl Environ Microbiol** 1980 Oct;40(4):794–7

Recovery of indigenous viruses from wastewater sludges, using a bentonite concentration procedure. Turk CA, et al. **Appl Environ Microbiol** 1980 Aug;40(2):423–5

Virus removal during groundwater recharge: effects of infiltration rate on adsorption of poliovirus to soil. Vaughn JM, et al. **Appl Environ Microbiol** 1981 Jan;41(1):139–47

Effect of soil permeability on virus removal through soil columns. Wang DS, et al. **Appl Environ Microbiol** 1981 Jul;42(1):83–8

Response of bacteria in wastewater sludge to moisture loss by evaporation and effect of moisture content on bacterial inactivation by ionizing radiation. Ward RL, et al. **Appl Environ Microbiol** 1981 May;41(5):1123–7

Effects of moisture content on long-term survival and regrowth of bacteria in wastewater sludge. Yeager JG, et al. **Appl Environ Microbiol** 1981 May;41(5):1117–22

Infectious liver diseases in three groups of Copenhagen workers: correlation of hepatitis A infection to sewage exposure. Skinhøj P, et al. **Arch Environ Health** 1981 May-Jun;36(3):139–43

Preliminary observations on the removal of Taenia saginata eggs from sewage using various treatment processes. Arundel JH, et al. **Aust Vet J** 1980 Oct;56(10):492–5

The isolation of antibiotic resistant coliforms from meat and sewage. Bensink JC, et al. **Aust Vet J** 1981 Jan;57(1):12–3, 15–6, 19

No sewage in the streets [editorial] **Br Med J** 1980 Jan 26; 280(6209):206

Animal health today—problems of large livestock units. Disease hazards associated with slurry disposal. Jones PW. **Br Vet J** 1980 Nov-Dec;136(6):529–42 (58 ref.)

Inhibition of nitrification in soils treated with pig slurry. Cooper JE. **Bull Environ Contam Toxicol** 1980 Aug; 25(2):176–80

Effects of pesticides on decomposition of organic matter and nitrification in sewage. Lieberman MT, et al. **Bull Environ Contam Toxicol** 1981 Apr;26(4):554–60

Coprostanol in Severn Estuary sediments. McCalley DV, et al. **Bull Environ Contam Toxicol** 1980 Sep;25(3):374–81

Toxic effects of cadmium on the garden snail (Helix aspersa). Russell LK, et al. **Bull Environ Contam Toxicol** 1981 May; 26(5):634–40

Efficiency and rate of elimination of polychlorinated biphenyls from waste waters by means of algae. Véber K, et al. **Bull Environ Contam Toxicol** 1980 Dec;25(6):841–5

Effect of sludge type on poliovirus association with and recovery from sludge solids. Pancorbo OC, et al. **Can J Microbiol** 1981 Mar;27(3):279–87

Evaluation of coliphages in sewage effluent of Faisalabad. Ijaz MK, et al. **Chung Hua Min Kuo Wei Sheng Wu Chi Mien I Hsueh Tsa Chih** 1980 Dec;13(4):395–404

The fate of soluble, recalcitrant, and adsorbing compounds in activated sludge plants. Wierich P, et al. **Ecotoxicol Environ Safety** 1981 Jun;5(2):161–70

Algal single cell protein production from sewage effluent with high salinity. Wong PK, et al. **Experientia** 1980 Sep 15;36(9):1065–6

Comparison of analyses of wastewaters for N-nitrosamines using various detectors. Rhoades JW, et al. **IARC Sci Publ** 1980;(31):377–87

Elemental content of vegetables and apple trees grown on Syracuse sludge-amended soils. Furr AK, et al. **J Agric Food Chem** 1981 Jan-Feb;29(1):156–60

Metal uptake by crops grown over entrenched sewage sludge. Sikora LJ, et al. **J Agric Food Chem** 1980 Nov-Dec; 28(6):1281–5

Hypersensitivity lung disease presumptively due to Cephalosporium in homes contaminated by sewage flooding or by humidifier water. Patterson R, et al. **J Allergy Clin Immunol** 1981 Aug;68(2):128–32

Persistence and distribution of Erysipelothrix rhusiopathiae and bacterial indicator organisms on land used for disposal of piggery effluent. Chandler DS, et al. **J Appl Bacteriol** 1980 Jun;48(3):367–75

A note on the fate of El Tor cholera and other vibrios in percolating filters. Daniel RR, et al. **J Appl Bacteriol** 1980 Apr;48(2):207–10

Isolation and enumeration of Listeria monocytogenes from Sewage, Sewage Sludge and River Water. Watkins J, et al. **J Appl Bacteriol** 1981 Feb;50(1):1–9

Viruses in sewage as an indicator of their presence in the community. Sellwood J, et al. **J Hyg (Lond)** 1981 Apr; 86(2):217–25

Marine biological sewage treatment plants. Morris JE, et al. **J R Nav Med Serv** 1980 Winter;66(3):223–8

Deaths associated with liquid-manure systems--United States. **MMWR** 1981 Apr 10;30(13):151–2, 157

Sewer collapse an toxic illness in sewer repairmen--Ohio. **MMWR** 1981 Mar 6;30(8):89–90

First isolation of Prototheca species in Spain. Casal M, et al. **Mycopathologia** 1981 Apr 10;74(1):55–6

The value of sewage sludge to agriculture and effects of the agricultural use of sludges contaminated with toxic elements: a review. Sterritt RM, et al. **Sci Total Environ** 1980 Sep;16(1):55–90

The uptake of zinc, lead, copper and manganese by carp fed with activated sludge. Wong MH, et al. **Toxicol Lett** 1981 Feb;7(4–5):367–72

Prevalence of antiviral antibodies in workers handling wastewater and sludge. Iftimovici R, et al. **Virologie** 1980 Jul-Sep;31(3):187–89

Epidemiological studies on Salmonella in a certain area ('Walcheren Project'). IV. The incidence of Salmonella in the sewage system, in the faeces of man and pets as well as in shops, kitchens and lavatories in the village of Aagtekerke. Oosterom J, et al. **Zentralbl Bakteriol [A]** 1980 Nov;248(2):190–201

Bacteriological contamination in wastewaters from slaughterhouses. de Zutter L, et al. **Zentralbl Bakteriol [B]** 1980;171(2–3):269–79

Bacteriophages recovery from raw sewage of different texture. Saleh FA, et al. **Zentralbl Bakteriol [Naturwiss]** 1981;136(1):56–8

[Effects of treatment of nosocomial wastes with NaOCl produced by electrolysis of salt solution (author's transl)] Cai JY. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1980 Nov; 14(4):223–5 **(Chi)**

[The effect of granulated sludge fertilizer on ova survival (author's transl)] Luo ZL. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1980 May; 14(2):106–8 **(Chi)**

[Properties of poliovirus detected in waste waters in the administration of nonhomogeneous vaccine (author's transl)] Matyášová I, et al. **Cesk Epidemiol Mikrobiol Imunol** 1981 Jan;30(1):49–55 (Eng. Abstr.) **(Cze)**

[Study of Salmonellae in sewage of Chambery town: epidemiological relations and efficiency of water treatment plant (author's transl)] Gautier Y, et al. **Rev Epidemiol Sante Publique** 1980 Dec 30;28(4):443–60 (Eng. Abstr.) **(Fre)**

[Influence of different sampling systems on evaluation of bacteriological and virological performance for an activated-sludge treatment plant (author's transl)] Hugues B, et al. **Zentralbl Bakteriol [B]** 1980;171(6):487–96 (Eng. Abstr.) **(Fre)**

[Spreading of free-living stages of parasites by municipal wastewater (author's transl)] Enigk K. **DTW** 1980 Sep 5; 87(9):353–4 contd (Eng. Abstr.) **(Ger)**

[Possibilities and limits of disinfecting waste water especially from slaughter houses] Clausing D. **Z Gesamte Hyg** 1980; 26(7):486–91 (74 ref.) (Eng. Abstr.) **(Ger)**

[Virological analyses of irradiated sewer sludge (author's transl)] Epp C, et al. **Zentralbl Bakteriol [B]** 1980 Jun; 171(1):86–95 (Eng. Abstr.) **(Ger)**

[The removal of salmonellae in waste water by bacteriophages (author's transl)] Müller HE. **Zentralbl Bakteriol [B]** 1980 Feb;170(1–2):82–7 (Eng. Abstr.) **(Ger)**

[Inactivation of viruses and bacteria in sewage sludge by gamma radiation (author's transl)] Stettmund von Brodorotti H, et al. **Zentralbl Bakteriol [B]** 1980 Feb; 170(1–2):71–81 (Eng. Abstr.) **(Ger)**

[Probable aerodiffusion of pathogens in the vicinity of an oxidation basin belonging to a purification plant] Giraldi V, et al. **Ann Sclavo** 1980 Sep-Oct;22(5):729–32 (Eng. Abstr.) **(Ita)**

[Research on orthophosphate breakdown by microbial chains in the secondary effluent from an activated sludge treatment plant] Prosperi A, et al. **Nuovi Ann Ig Microbiol** 1979 Jul-Aug;29(4):251–67 (Eng. Abstr.) **(Ita)**

[Reduction of orthophosphates in the secondary effluent from an activated sludge treatment plant by combined chemical and bacteriological actions] Prosperi A, et al. **Nuovi Ann Ig Microbiol** 1978 Nov-Dec;29(6):499–517 (Eng. Abstr.) **(Ita)**

[Microbiological studies on waste water treatment from medical schools and hospitals. (II) Treatment of cresol with trickling tower plant (author's transl)] Sayama N. **Nippon Eiseigaku Zasshi** 1980 Oct;35(4):670–5 (Eng. Abstr.) **(Jpn)**

[R factor in Salmonella strains isolated from urban sewage to be used in agriculture] Prażmo Z. **Przegl Epidemiol** 1980; 34(3):249–58 (Eng. Abstr.) **(Pol)**

[Salmonella isolated from city sewage for agricultural use] Prażmo Z. **Przegl Epidemiol** 1980;34(2):147–53 (Eng. Abstr.) **(Pol)**

[Fecal streptococci as indicators of fecal water contamination. I. Occurrence of fecal Streptococci in urban sewers in comparison with Escherichia coli] Ziemińska S, et al. **Rocz Panstw Zakl Hig** 1980; 31(2):199–207 (Eng. Abstr.) **(Pol)**

[A method of enterovirus concentration in sewage water by aluminum hydroxide] de Camargo IF, et al. **Mem Inst Oswaldo Cruz** 1980;75(1–2):111–5 (Eng. Abstr.) **(Por)**

[Survival and adaptation of the saprophytic bacteria of domestic sewage in seawater] Alton LV. **Gig Sanit** 1980 Oct;(10):73–4 **(Rus)**

[Microorganism vital activities and interaction in water polluted by domestic and industrial sewage] Bagdasar'ian GA, et al. **Gig Sanit** 1980 Jul;(7):59–62 **(Rus)**

[Bacterial contamination of the atmosphere during the sprinkling irrigation of fields with the effluents from animal husbandry farm complexes] Baubinas AK. **Gig Sanit** 1981 Jan;(1):66–8 **(Rus)**

[Hygienic aspects of utilizing treated municipal wastes for replenishing small reservoirs] Cherkinskii SN, et al. **Gig Sanit** 1980 Oct;(10):6–7 **(Rus)**

[Comparative study of the sterilizing action of chlorine-active disinfectants against the viral and bacterial microflora of sewage] Girin VN, et al. **Gig Sanit** 1981 Mar; (3):7–9 (Eng. Abstr.) **(Rus)**

[Hygienic aspects of using animal husbandry wastes in agriculture] Mereniuk GV, et al. **Gig Sanit** 1981 Jan; (1):68–71 **(Rus)**

[Hygienic evaluation of modern systems for purifying and utilizing the sewage from commercial swine breeding farm complexes] Okladnikov NI. **Gig Sanit** 1981 Apr;(4):63–5 **(Rus)**

[Hygienic criteria for choosing the methods of decontaminating and treating domestic and industrial wastes] Sidorenko GI, et al. **Gig Sanit** 1981 Jan;(1):7–10 (Eng. Abstr.) **(Rus)**

[Helminth removal from sewage sediment with thiazone] Kebina VIa, et al. **Med Parazitol (Mosk)** 1981 Mar-Apr; 50(2):18–20 (Eng. Abstr.) **(Rus)**

[Comparative characteristics of the Bdellovibrio strains isolated from river water and sewage] Afinogenova AV, et al. **Mikrobiologiia** 1981 Mar-Apr;50(2):378–85 (Eng. Abstr.) **(Rus)**

[Participation of bdellovibrios in sewage self-purification processes] Lambina VA, et al. **Mikrobiologiia** 1981 Jan-Feb;50(1):140–6 (Eng. Abstr.) **(Rus)**

[Distribution of NAG vibrios of different serovars among persons and environmental objects in the Crimean region] Khaitovich AB, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Jun;(6):89–22 (Eng. Abstr.) **(Rus)**

ANALYSIS

Metabolic consequences of exposure to polychlorinated

biphenyls (PCB) in sewage sludge. Baker EL Jr, et al. **Am J Epidemiol** 1980 Oct;112(4):553–63

Iodine-131 levels in sludge and treated municipal wastewaters near a large medical complex. Prichard HM, et al. **Am J Public Health** 1981 Jan;71(1):47–52

Concentrations of elements in a marine food chain cultured in sewage wastewater. Furr AK, et al. **Bull Environ Contam Toxicol** 1981 Jan;26(1):54–9

Fate of petroleum hydrocarbons in sewage sludge after land disposal. Liu D. **Bull Environ Contam Toxicol** 1980 Oct; 25(4):616–22

Analysis and incidence of organophosphorus compounds in sewage sludges. McIntyre AE, et al. **Bull Environ Contam Toxicol** 1981 Jan;26(1):116–23

Comparison of selective media for the enumeration and identification of fecal streptococci from natural sources. Pagel JE, et al. **Can J Microbiol** 1980 Nov;26(11):1320–7

Germinal cell mutagenesis in specially designed maize genotypes. Plewa MJ, et al. **Environ Health Perspect** 1981 Jan;37:61–73

New methodology for the rapid detection of protein degradation in activated sludge. Fahey JW, et al. **J Environ Sci Health [B]** 1981;16(1):67–73

The occurrence and significance to animal health of Leptospira, Mycobacterium, Escherichia coli, Brucella abortus and Bacillus anthracis in sewage and sewage sludges. Jones PW, et al. **J Hyg (Lond)** 1981 Feb; 86(1):129–37

[Examination and experiences with the fish-test according to the German Sewer Charge Law (AbwAG) (author's transl)] Becker-Birck J, et al. **Zentralbl Bakteriol [B]** 1980; 171(2–3):280–91 (Eng. Abstr.) **(Ger)**

[Trace metals in sewage sludge. Regional survey (author's transl)] Schöler HF, et al. **Zentralbl Bakteriol [B]** 1980; 171(6):512–24 (Eng. Abstr.) **(Ger)**

[Chlorinated hydrocarbons in sewage sludge from a plant in Oslo (author's transl)] Kveseth NJ. **Nord Vet Med** 1980 Jul–Aug;32(7–8):341–7 (Eng. Abstr.) **(Nor)**

[Hygienic conditions of municipal sludge] Langeland G. **Tidsskr Nor Laegeforen** 1981 Aug;101(23):1276–8 (Eng. Abstr.) **(Nor)**

[Characteristics of the sanitary microbiological assessment of the quality of coastal seawater in industrial and domestic polution] Bagdasar'ian GA, et al. **Gig Sanit** 1980 Aug; (8):5–8 (Eng. Abstr.) **(Rus)**

[Hygienic evaluation of the afterpurification of industrial and domestic sewage by means of filtration] Chernov IuL, et al. **Gig Sanit** 1980 Aug;(8):59–60 **(Rus)**

[Hygienic evaluation of the biological purification of the sewage from swine breeding farms] Okladnikov NI, et al. **Gig Sanit** 1980 Aug;(8):57–9 **(Rus)**

[Hygienic evaluation of the treatment of sewage from a swine breeding farm complex] Okladnikov NI, et al. **Gig Sanit** 1980 Dec;(12):66–7 **(Rus)**

[Hygienic assessment of the treatment of sewage from a swine-breeding farm complex in irrigated crop fields] Okladnikov NI, et al. **Gig Sanit** 1981 May;(5):60–2 **(Rus)**

SEX

see related
LIBIDO
PSYCHOSEXUAL DEVELOPMENT
RELIGION AND SEX

Sexual harassment and nurse anesthetists. Hazel H. **AANA J** 1981 Jun;49(3):277–9

Sexual activity in therapy: legal and ethical issues. Serban G. **Am J Psychother** 1981 Jan;35(1):76–85

Mixed-sex wards [editorial] **Br Med J [Clin Res]** 1981 May 30;282(6278):1736

Sex-linked difference in DNA content of a polytene chromosome in Prodiamesa (Chironomidae). Zacharias H. **Chromosoma** 1981;82(5):657–72

Endocrinology of sexual function. Bancroft J. **Clin Obstet Gynaecol** 1980 Aug;7(2):253–81 (110 ref.)

Sexuality of physically disabled people. Chigier E. **Clin Obstet Gynaecol** 1980 Aug;7(2):325–43 (30 ref.)

Sexual function in the elderly. Felstein I. **Clin Obstet Gynaecol** 1980 Aug;7(2):401–20 (28 ref.)

The physiology of sexual function in women. Levin RJ. **Clin Obstet Gynaecol** 1980 Aug;7(2):213–52 (107 ref.)

Sexual function in illness. Myerscough PR. **Clin Obstet Gynaecol** 1980 Aug;7(2):387–400 (32 ref.)

Sexual health and the child. Calderone MS. **Compr Ther** 1980 Dec;6(12):3–7

Absence of recombination in the male of Ceratitis capitata. Cladera JL. **Experientia** 1981 Apr 15;37(4):342–3

Heart rate and blood pressure responses to sexual activity and a stair-climbing test. Larson JL, et al. **Heart Lung** 1980 Nov–Dec;9(6):1025–30

Sex and the dermatologist. Renshaw DC. **Int J Dermatol** 1980 Oct;19(8):469–71

Sex and the aging process. Masters WH, et al. **J Am Geriatr Soc** 1981 Sep;29(9):385–90

Sexuality in older women? [editorial] Renshaw DC. **J Clin Psychiatry** 1981 Jan;42(1):3–4

Sex preference in patient selection of a family physician. Kelly JM. **J Fam Pract** 1980 Sep;11(3):427–33

Freud and the problem of sexuality. McCarthy T. **J Hist Behav Sci** 1981 Jul;17(3):332–9

Understanding sexuality and spinal cord injury. Levitt R. **J Neurosurg Nurs** 1980 Jun;12(2):88–9

Sex and polymorphism as strategies in host-pathogen interactions. Bremermann HJ. **J Theor Biol** 1980 Dec 21; 87(4):671–702 (86 ref.)

The cost of sex in relation to mating system. Charlesworth B. **J Theor Biol** 1980 Jun 21;84(4):655–71

The 'balance' argument and the evolution of sex. Manning JT, et al. **J Theor Biol** 1980 Oct 7;86(3):593–601

Sib competition can favour sex in two ways. Young JP. **J Theor Biol** 1981 Feb 21;88(4):755–6

Sexual needs and concerns of expectant parents. Ellis DJ. **JOGN Nurs** 1980 Sep–Oct;9(5):306–8

Sexual needs and interests of postpartum couples. Hames CT. **JOGN Nurs** 1980 Sep–Oct;9(5):313–5

Postpartum sexuality. Inglis T. **JOGN Nurs** 1980 Sep–Oct; 9(5):298–300

Attitude towards sex and sexual problem among male university students. Ahmed SH. **JPMA** 1981 Mar; 31(3):59–62

Gender and the nurse practitioner role. Edmunds M. **Nurse Pract** 1980 Nov–Dec;5(6):42, 44

Vaginal blood flow during sexual stimulation. Wagner G, et al. **Obstet Gynecol** 1980 Nov;56(5):621–4

Adolescent sexuality in today's world. Wasz-Höckert O, et al. **Paediatrician** 1981;10(4):224–31

Sexuality, fertility, and the problems of menstruation in mentally retarded adolescents. Kreutner AK. **Pediatr Clin North Am** 1981 May;28(2):475–80

Alcohol and sexual function. Van Thiel DH, et al. **Pharmacol Biochem Behav** 1980;13 Suppl 1:125–9 (48 ref.)

Juvenile male mice: an attempt to accelerate testis function by exposure to adult female stimuli. Svare B, et al. **Physiol Behav** 1978 DEC;21(6):1009–13

Human sexuality. Management for the primary physician. Grover JW. **Primary Care** 1981 Mar;8(1):55–76

On the psychoanalytic theory of instinctual drives. II: The sexual drives and the ego drives. Compton A. **Psychoanal Q** 1981;50(2):219–37

Sex differences in mathematical ability: fact or artifact? Benbow CP, et al. **Science** 1980 Dec 12;210(4475):1262–4

Sex differences in the effects of unilateral brain damage on intelligence. Inglis J, et al. **Science** 1981 May 8; 212(4495):693–5

Problems and prospects with sexuality and aging. Dagon EM. **Wis Med J** 1981 Apr;80(4):37–9

[Sexologist Dr. Vladimir Bartak on his 60th birthday] Raboch J. **Cas Lek Cesk** 1981 Jul 16;120(28):878–80 **(Cze)**

[Professorship in clinical sexology – need for continuing education within the specialty] Hertoft P, et al. **Ugeskr Laeger** 1980 Sep 15;142(38):2522–3 **(Dan)**

[Sexuality in adolescence: a multi-dimensional phenomenon] Wilkins J, et al. **Union Med Can** 1981 Mar;110(3):186–8 (Eng. Abstr.) **(Fre)**

[Sexology in Hungary and some psychiatric problems] Szilárd J, et al. **Orv Hetil** 1980 May 18;121(20):1225–6 **(Hun)**

[Sexual function in the aged] Shirai M. **Nippon Rinsho** 1981 Mar;39(3):574–82 (26 ref.) **(Jpn)**

[Sexuality and personality] Imieliński K. **Ginekol Pol** 1981; 52(3):293–7 (Eng. Abstr.) **(Pol)**

[On the nature of human sexuality] Imieliński K. **Wiad Lek** 1981;34(7):619–23 **(Pol)**

DRUG EFFECTS

[Effect of thioridazine on sexual responsiveness in the male (phallioplethysmographic study)] Topiar A. **Agressologie** 1980;21(A):49–51 (Eng. Abstr.) **(Ger)**

SEX ATTRACTANTS see under **PHEROMONES**

SEX BEHAVIOR

Jejuno-ileal bypass surgery in obesity. Gynecological and obstetrical aspects. Hey H, et al. **Acta Obstet Gynecol Scand** 1981;60(2):135–40

Self discrepancy between the perceived self and the ideal; self and emotional stability of stripteasers. Peretti PO, et al. **Acta Psychiatr Belg** 1980 Jan–Feb;80(1):79–90

A comparison of unwed pregnant teenagers and nulligravid sexually active adolescents seeking contraception. DeAmicis LA, et al. **Adolescence** 1981 Spring;16(61):11–20

Deafness and human sexuality: a developmental review. Shaul S. **Am Ann Deaf** 1981 Jun;126(4):432–9

Taking the sexual history. Alexander B. **Am Fam Physician** 1981 Mar;23(3):147–51

Methods for determining the frequency of sexual intercourse and activities of daily living in young women. Kunin CM, et al. **Am J Epidemiol** 1981 Jan;113(1):55–61

Syndrome of pelvic cellulitis following rectal sexual trauma. Weinstein MA, et al. **Am J Gastroenterol** 1981 May; 75(5):380–1

Genetic implications of mating structure in a Caribbean isolate. Leslie PW, et al. **Am J Hum Genet** 1981 Jan; 33(1):90–104

Oral contraceptive use, sexual activity, and cervical carcinoma. Swan SH, et al. **Am J Obstet Gynecol** 1981 Jan;139(1):52–7

Sexual implications of bowel diversion. Wabrek AJ, et al. **Am J Proctol Gastroenterol Colon Rectal Surg** 1980 Aug; 31(8):23–7

Pneumoperitoneum following vaginal insufflation and coitus. Christiansen WC, et al. **Ann Emerg Med** 1980 Sep; 9(9):480–2

Advising patients on sex after surgery. Robusto N. **AORN J** 1980 Jul;32(1):55–61

Sexuality in middle and late life. The effects of age, cohort, and gender. George LK, et al. **Arch Gen Psychiatry** 1981 Aug;38(8):919–23

Sexual experience, birth control usage, and sex education of unmarried Canadian university students: changes between 1968 and 1978. Barrett FM. **Arch Sex Behav** 1980 Oct;9(5):367–90

The science of sex research: some methodological considerations. Bentler PM, et al. **Arch Sex Behav** 1981 Jun;10(3):225–51 (157 ref.)

Men's erotic fantasies. Crépault C, et al. **Arch Sex Behav** 1980 Dec;9(6):565–81

The interrelationship of sex guilt, sex behavior, and age in an adult sample. DiVasto PV, et al. **Arch Sex Behav** 1981 Apr;10(2):119–22

Intergenerational change in sex behavior: a belated look at Kinsey's males. Downey L. **Arch Sex Behav** 1980 Aug; 9(4):267–317

Sexual behavior of castrated sex offenders. Heim N. **Arch Sex Behav** 1981 Feb;10(1):11–9

Sexual behavior of assailants during reported rapes. Holmstrom LL, et al. **Arch Sex Behav** 1980 Oct;9(5):427–39

Changes in the sexual life of Czechoslovak women born between 1911 and 1958. Raboch J, et al. **Arch Sex Behav** 1980 Dec;9(6):495–502

Adolescent sexuality. McAlpine IS. **Aust Fam Physician** 1980 Aug;9(8):555–60

A cohort study of mortality from cancer of the prostate in Catholic priests. Ross RK, et al. **Br J Cancer** 1981 Feb; 43(2):233–5

Pure erotomania in manic-depressive psychosis. Guirguis WR. **Br J Psychiatry** 1981 Feb;138:139–40

Antibodies to hepatitis A antigen in relation to the number of lifetime sexual partners in patients attending an STD clinic. McFarlane ES, et al. **Br J Vener Dis** 1981 Feb; 57(1):58–61

The rectum as viewed by the venereologist. Willcox RR. **Br J Vener Dis** 1981 Feb;57(1):1–6

Sexual behaviour and sexually transmitted disease patterns in male homosexuals. Willcox RR. **Br J Vener Dis** 1981 Jun;57(3):167–9

Sexual adjustment in ileostomy patients before and after conversion to continent ileostomy. Nilsson LO, et al. **Dis Colon Rectum** 1981 May–Jun;24(4):287–90

Sexual behavior following laryngectomy. Meyers AD, et al. **Ear Nose Throat J** 1980 Aug;59(8):327–9

Differences between women who begin pill use before and after first intercourse: Ontario, Canada. Herold ES, et al. **Fam Plann Perspect** 1980 Nov–Dec;12(6):304–5

Sexual activity, contraceptive use and pregnancy among metropolitan-area teenagers: 1971–1979. Zelnik M, et al. **Fam Plann Perspect** 1980 Sep–Oct;12(5):230–1, 233–7

What health professionals did for me and what I wish they had done. **Front Radiat Ther Oncol** 1979;14:115–22

The sex-counseling role of the cancer clinician. Adams GK. **Front Radiat Ther Oncol** 1979;14:66–78

Sexual health care and cancer: a needs assessment. Bullard DG, et al. **Front Radiat Ther Oncol** 1979;14:55–8

'Doctor, will it leave a scar?' Calderone MS. **Front Radiat Ther Oncol** 1979;14:130–3

Self-esteem, sexuality and cancer-related stress. Cantor RC. **Front Radiat Ther Oncol** 1979;14:51–4

Sexuality and head and neck cancer. Curtis TA, et al. **Front Radiat Ther Oncol** 1979;14:26–34

Cancer and sex. Golden JS, et al. **Front Radiat Ther Oncol** 1979;14:59–65

Sexual functioning, self-esteem and cancer care. Schain WS. **Front Radiat Ther Oncol** 1979;14:12–9

Pelvic genital cancer: body image and sexuality. Sewell HH, et al. **Front Radiat Ther Oncol** 1979;14:35–41

Talking about sex: suggestions for the health professional. Stoklosa JM, et al. **Front Radiat Ther Oncol** 1979;14:79–82

Sporadic sexual behavior and menstrual cycle length in women. Cutler WB, et al. **Horm Behav** 1980 Jun; 14(2):163–72

Sexual and emotional intimacy between psychiatric inpatients: formulating a policy. Keitner G, et al. **Hosp Community Psychiatry** 1981 Mar;32(3):188–93

Sexual behaviour pattern of the male STD patients attending a treatment centre in Calcutta. Saha PC, et al. **Indian J Public Health** 1980 Jan–Mar;24(1):16–22

Heterosexual relationships of psychiatric patients established during their treatment. Velek M, et al. **Int J Soc Psychiatry** 1981 Summer;27(2):111–8

Fertility and sexual development after bilateral orchiopexy for cryptorchidism. Wolloch Y, et al. **Isr J Med Sci** 1980 Sep–Oct;16(9–10):707–10

Sexual rehabilitation of the handicapped: the roles and attitudes of health professionals. Conine TA, et al. **J Allied Health** 1980 Nov;9(4):260–7

Midlife women in college sexuality classes. Sheppard S. **J Am Coll Health Assoc** 1980 Oct;29(2):81–2

The revenge motive in the primal scene. Arlow JA. **J Am Psychoanal Assoc** 1980;28(3):519–41

Sexual behaviour and contraceptive use among socioeconomic groups of young women in the United States. Ford K, et al. **J Biosoc Sci** 1981 Jan;13(1):31–45

Update: physically intimate and sexual behavior on prime-time television, 1978–79. Sprafkin JN, et al. **J Commun** 1981 Winter;31(1):34–40

Freud and the problem of sexuality. McCarthy T. **J Hist Behav Sci** 1981 Jul;17(3):332–9

Some cultural aspects of Greek male homosexuality. Hoffman RJ. **J Homosex** 1980 Spring;5(3):217–26

Variables related to the acquisition of a gay identity. Troiden RR, et al. **J Homosex** 1980 Summer;5(4):383–92

Slavery and the social dynamics of male homosexual relations in ancient Rome. Verstraete BC. **J Homosex** 1980 Spring; 5(3):227–36

Human sexuality growth groups. Silbert DT. **J Psychiatr Nurs** 1981 Feb;19(2):31–4

Effect of the research process on human sexual behavior. Persky H, et al. **J Psychiatr Res** 1981;16(1):41–52

Sexuality in a 70–year–old urban population. Persson G. **J Psychosom Res** 1980;24(6):335–42

Sexual attitudes and social role orientations in infertile women. Slade P. **J Psychosom Res** 1981;25(3):183–6

What do teens know about the facts of life? Amonker RG. **J Sch Health** 1980 Nov;50(9):527–30

Cognitive factors in sexual behavior. Walen SR. **J Sex Marital Ther** 1980 Summer;6(2):87–101

Social and sexual adjustment of men operated for hypospadias during childhood: a controlled study. Berg R, et al. **J Urol** 1981 Mar;125(3):313–7

'Sexual behavior in an abnormal situation' [news] Gunby P. **JAMA** 1981 Jan 16;245(3):215, 219

Dealing with sexual problems of cancer patients [news] Gunby P. **JAMA** 1981 May 15;245(19):1902–3

Sexual behaviors in retarded children and adolescents. Simonds JF. **JDBP** 1980 Dec;1(4):173–9

Nursing and medical students' sexual attitudes and knowledge. Curricular implications. Kuczynski HJ. **JOGN Nurs** 1980 Nov–Dec;9(6):339–42

The marital sexual relationship during pregnancy. Swanson J. **JOGN Nurs** 1980 Sep–Oct;9(5):267–70

Biological effects of sexual freedom. Catterall RD. **Lancet** 1981 Feb 7;1(8215):315–9

Hysterectomy, hormones, and behaviour. A prospective study. Coppen A, et al. **Lancet** 1981 Jan 17;1(8212):126–8

Female sexual behaviour. A study in a random sample of 40–year–old women. Garde K, et al. **Maturitas** 1980 Oct; 2(3):225–40

Chronic pain patients and spouses: marital and sexual adjustment. Maruta T, et al. **Mayo Clin Proc** 1981 May; 56(5):307–10

Cervical cancer and promiscuity [letter] Llewellyn–Jones JD. **Med J Aust** 1981 Jun 13;1(12):660

Transsexualism and the sex–change operation: a contemporary medico–legal and social problem. Roth M. **Med Leg J** 1981;49 Pt 1:5–19

Elimination of assaultive and inappropriate sexual behavior by reinforcement and social–restitution. Polvinale RA, et al. **Ment Retard** 1980 Feb;18(1):27–30

Sexual transmission of enteric protozoa and helminths in a venereal–disease–clinic population. Phillips SC, et al. **N Engl J Med** 1981 Sep 10;305(11):603–6

Different facets of sex anxiety. Tolor A, et al. **Percept Mot Skills** 1981 Apr;51(2):546

Fathers, sons, and sexual orientation: replication of a Bieber hypothesis. Friedman RC, et al. **Psychiatr Q** 1980 Fall; 52(3):175–89

Sexual contact between psychotherapist and patient: legal remedies. Hays JR. **Psychol Rep** 1980 Dec;47(3 Pt 2):1247–54

Sexual counselling of the family. Sparks BL. **S Afr Med J** 1981 Feb 28;59(9):291–3

Neural gonadal steroid actions. McEwen BS. **Science** 1981 Mar 20;211(4488):1303–11 (88 ref.)

The adolescent father. Elster AB, et al. **Semin Perinatol** 1981 Jan;5(1):39–51

Masculinity–femininity and the desire for sexual intercourse after vasectomy: a longitudinal study. Williams D, et al. **Soc Psychol Q** 1980 Sep;43(3):347–52

Death during dangerous autoerotic practice. Hazelwood RR, et al. **Soc Sci Med [E]** 1981 May;15E(2):129–33

Relationship between frequency of sexual intercourse and urinary tract infections in young women. Elster AB, et al. **South Med J** 1981 Jun;74(6):704–8

Models of multifactorial inheritance. V. Linear assortative mating as against selective (nonlinear) assortative mating. Karlin S. **Theor Popul Biol** 1980 Jun;17(3):255–75

Seasonal changes of sexual and territorial behaviour and plasma testosterone levels in male lesser sheathbills (Chionis minor). Burger AE, et al. **Z Tierpsychol** 1980;52(4):397–406

[Psychosomatic and sexual life of girls in children's homes] Sed'ová A, et al. **Cesk Pediatr** 1980 Jul;35(7):363–4 (Eng. Abstr.) **(Cze)**

[On the question of 'defencelessness' of schizophrenics in relation to sexual interactions (author's transl)] Topiař A, et al. **Cesk Psychiatr** 1980 Oct;76(5):339–40 (Eng. Abstr.) **(Cze)**

[A pilot project on the sexual experiences of the aged in a home for the aged] de Bruyn JW. **Gerontologie** 1980 Aug; 11(3):197–204 (Eng. Abstr.) **(Dut)**

[Notes on sexual development and sexual behaviour of sterile marriage partners (author's transl)] Knorre P. **Geburtshilfe Fraunheilkd** 1981 Apr;41(4):301–8 (Eng. Abstr.) **(Ger)**

[Sexual problems and partnership (author's transl)] Richter HE. **Nervenarzt** 1980 Sep;51(9):519–25 **(Ger)**

[Sex life after radical operations for cervical cancer] Beck A, et al. **Onkologie** 1980 Feb;3(1):26–30 (Eng. Abstr.) **(Ger)**

[Sexuality over sixty (author's transl)] Aresin L. **ZFA (Dresden)** 1980;35(1):55–8 (Eng. Abstr.) **(Ger)**

[Sexual experience, knowledge and attitudes of Israeli medical students] Fisher M, et al. **Harefuah** 1980 Jun; 98(11–12):523–8 (Eng. Abstr.) **(Heb)**

[Sexuality and contraception. Studies of 420 university students concerning correlation between menarche, beginning of sexual activity and contraception] Conti M. **Ann Ostet Ginecol Med Perinat** 1979 Jul–Aug;100(4):233–8 (Eng. Abstr.) **(Ita)**

[Sexuality in the aged: physiopathological aspects and therapy] Palleschi M, et al. **Clin Ter** 1981 Apr 30; 97(2):193–202 (46 ref.) (Eng. Abstr.) **(Ita)**

[Sexuality and maternity. Biological and psychodynamic considerations] Capello C, et al. **Minerva Ginecol** 1981 May; 33(5):469–78 (Eng. Abstr.) **(Ita)**

[Sexuality and contraception. A study of 548 female university students] Conti M. **Minerva Ginecol** 1980 Nov; 32(11):1013–8 (Eng. Abstr.) **(Ita)**

[Long–term dialysis and its problems: sexual activities, pregnancy, delivery and child rearing] Otsubo K, et al. **Nippon Rinsho** 1980 Jun;38(6):2378–83 **(Jpn)**

[Criteria of relativity of sexual norms] Imieliński K. **Ginekol Pol** 1981 Jan;52(2):205–10 (Eng. Abstr.) **(Pol)**

[Analysis of reproduction by schizophrenics and chronic alcoholics] Kanep VV, et al. **Zh Nevropatol Psikhiatr** 1981; (5):734–7 (Eng. Abstr.) **(Rus)**

[Health needs of adolescent girls in the area of reproductive behavior] Husar M, et al. **Jugosl Ginekol Opstet** 1980 May–Aug;19(3–4):131–8 (Eng. Abstr.) **(Scr)**

[Sexual behavior in a student population in Mexico City] Brostein de Ranen E. **Ginecol Obstet Mex** 1980 Dec; 48(290):383–402 (Eng. Abstr.) **(Spa)**

[Hormones and sex behavior] Dahlöf LG, et al. **Lakartidningen** 1980 Sep 24;77(39):3400–3 (Eng. Abstr.) **(Swe)**

DRUG EFFECTS

Therapeutic sex drive reduction. Freund K. **Acta Psychiatr Scand [Suppl]** 1980;62 Suppl 287:5–38 (197 ref.)

Opiate use and sexual function in women [letter] McNamee HB. **Am J Psychiatry** 1980 Dec;137(12):1628

Drugs to boost sexual potency. Kent S. **Geriatrics** 1981 Jul; 36(7):158–66

Alcohol, expectations, and sexual arousal in males: an information processing analysis. Lansky D, et al. **J Abnorm Psychol** 1981 Feb;90(1):35–45

Word from a witness [letter] Hamburg HL. **J Am Dent Assoc** 1980 Dec;101(6):894, 896

Alcohol, psychological conservatism, and sexual interest in male social drinkers. Barling J, et al. **J Soc Psychol** 1980 Oct;112(First Half):135–44

The effects of oestrogen therapy on the sex life of post–menopausal women. Maoz B, et al. **Maturitas** 1980 Dec;2(4):327–36

Drug treatment of sexual dysfunction. **Mod Probl Pharmacopsychiatry** 1980;15:1–194

Pharmacological influence of sexual functions in adolescents. Böszörményi Z. **Mod Probl Pharmacopsychiatry** 1980; 15:131–44 (12 ref.)

Sexual effects of antidepressents and psychomotor stimulant drugs. Petrie WM. **Mod Probl Pharmacopsychiatry** 1980; 15:77–90 (62 ref.)

Pharmacotherapy and female sexuality. Renshaw DC. **Mod Probl Pharmacopsychiatry** 1980;15:145–57 (21 ref.)

The effects of antianxiety and antipsychotic drugs and sexual behavior. Shader RI, et al. **Mod Probl Pharmacopsychiatry** 1980;15:91–110

Hormones and sexuality: effect of estrogen and progestogen. Dennerstein L, et al. **Obstet Gynecol** 1980 Sep;56(3):316–22

Behavioral and hormonal effects of prolonged high doses of LHRH in male impotency. Ehrensing RH, et al. **Peptides (Fayetteville)** 1981;2 Suppl 1:115–21

Increasing dosages of estradiol benzoate activate equivalent degrees of sexual receptivity in gonadectomized male and female ferrets. Baum MJ, et al. **Physiol Behav** 1981 Apr; 26(4):751–3

Effects of prenatal sex hormones on gender–related behavior. Ehrhardt AA, et al. **Science** 1981 Mar 20;211(4488):1312–8

[The effect of estrogen therapy on sexuality. Observations on 122 postmenopausal women] Wenderlein JM. **MMW** 1981 Apr 10;123(15):609–10 **(Ger)**

PHYSIOLOGY

Female sexual response patterns. Interactions of physiological, affective, and contextual cues. Heiman JR. **Arch Gen Psychiatry** 1980 Nov;37(11):1311–6

Thermographic measurement of sexual arousal: a discriminant validity analysis. Abramson PR, et al. **Arch Sex Behav** 1981 Apr;10(2):171–6

The sexuality of the older person: review of the literature. Ludeman K. **Gerontologist** 1981 Apr;21(2):203–8

Hysterectomy for carcinoma in situ and sexual function. Seibel M, et al. **Gynecol Oncol** 1981 Apr;11(2):195–9

The effect of social selection on population dynamics of rare deleterious genes. Yokoyama S. **Heredity (Edinburgh)** 1980 Oct;45(2):271–80

[Effect of lumbar sympathectomy on the sexuality of patients with ischemia of the lower limbs] Pytel T, et al. **Folia Med Cracov** 1981;22(2):195–203 (6 ref.) (Eng. Abstr.) **(Pol)**

SEX BEHAVIOR, ANIMAL

On the sexual dyad in laboratory rat. Madlafousek J, et al. **Act Nerv Super (Praha)** 1980;22(4):289–96

Exploratory and socio–sexual behaviour in the male laboratory rat: a methodological approach for the investigation of drug action. Meyerson BJ, et al. **Acta Pharmacol Toxicol (Copenh)** 1981 Feb;48(2):168–80

Male dominance and reproductive activity in Papio anubis. Packer C. **Anim Behav** 1979 Feb;27 Pt 1:37–45

Sexual behaviour and reproductive competition in male wild and domestic Norway rats. Price EO. **Anim Behav** 1980 Aug;28 Pt 3:657–67

Changes in female attractivity and proceptivity throughout the oestrous cycle of the Syrian hamster (Mesocricetus auratus). Steel E. **Anim Behav** 1980 Feb;28 Pt 1:256–65

Male–female interaction throughout the oestrous cycle of the Syrian hamster (Mesocricetus auratus). Steel E. **Anim Behav** 1979 Aug;27(Pt 3):919–29

Mortality in chital deer (Axis axis) [letter] English AW. **Aust Vet J** 1980 Aug;56(8):398–9

Higher behavior in Drosophila analyzed with mutations that disrupt the structure and function of the nervous system. Hall JC, et al. **Basic Life Sci** 1980;16:425–55

Attractants in the courtship behavior of Drosophila melanogaster. Venard R. **Basic Life Sci** 1980;16:457–65

Sexual isolation among isofemale strains within a population of Drosophila immigrans. Ehrman L, et al. **Behav Genet** 1981 Mar;11(2):127–33

Sexual isolation among widely distributed populations of Drosophila immigrans. Ehrman L, et al. **Behav Genet** 1980 Jul;10(4):401–7

Anomalous sex–related inheritance of oviposition rate in Callosobruchus maculatus fab. (Coleoptera: Bruchidae). Mark GA. **Behav Genet** 1981 Mar;11(2):145–51

Rare male advantages among Drosophila of the same laboratory strain. Markow TA. **Behav Genet** 1980 Nov; 10(6):553–6

Genotypic differences in mating success and the maintenance of the alcohol dehydrogenase polymorphism in Drosophila melanogaster: No evidence for overdominance or rare genotype mating advantage. Pot W, et al. **Behav Genet** 1980 Jan;10(1):43–58

Analysis of courtship sequences of the hybrids between Drosophila melanogaster and Drosophila simulans. Wood D, et al. **Behav Genet** 1980 Sep;10(5):459–66

Responses of male rats to odors from familiar vs novel females. Carr WJ, et al. **Behav Neural Biol** 1980 Jul; 29(3):331–7

Mouse aggression increases after 24 hours of isolation or housing with females. O'Donnell V, et al. **Behav Neural Biol** 1981 May;32(1):89–103

Effects of cannabinoids and female exposure on the pituitary–testicular axis in mice: possible involvement of prostaglandins. Dalterio S, et al. **Biol Reprod** 1981 Mar; 24(2):315–22

Sexual performance as a function of time of day in male and female rats. Harlan RE, et al. **Biol Reprod** 1980 Aug; 23(1):64–71

Sexual activity of aged male mice: correlation with level of arousal, physical endurance, pathological status, and ejaculatory capacity. Huber MH, et al. **Biol Reprod** 1980 Sep;23(2):305–16

Relationship of peripheral estrogens and testosterone concentrations to sexual behavior in normal and cystic cows. Nessan GK, et al. **Can Vet J** 1981 Jan;22(1):9–11

Peer and maternal influences on the expression of foot–clasp mounting by juvenile male rhesus monkeys. Wallen K, et al. **Dev Psychobiol** 1981 Jul;14(4):299–309

Age differences in the duration of mating period of female rhesus monkeys. Wilson ME, et al. **Dev Psychobiol** 1980 Nov;13(6):637–42

Recovery of sexual activity with experience in aged male mice. Huber MH, et al. **Exp Aging Res** 1980 Aug; 6(4):385–91

Pretrigeminal nucleus of leopard frog concentrates 2–deoxy–d–glucose during release calling. Schmidt RS. **Exp Brain Res** 1981;42(2):212–4

Covergent effects of lordosis–relevant somatosensory and hypothalamic influences on central gray cells in the rat mesencephalon. Sakuma Y, et al. **Exp Neurol** 1980 Nov; 70(2):269–81

Mating patterns of virgin and inseminated Drosophila melanogaster of different alcohol dehydrogenase (Adh) genotypes. McKenzie JA, et al. **Experientia** 1980 Oct 15; 36(10):1160–1

Pattern mosaicism for behavior controlled by the yellow locus in Drosophila melanogaster. Burnet B, et al. **Genet Res** 1980 Dec;36(3):235–47

Effects of Y–chromosome variants on the male behaviour of the mouse Mus musculus. Stewart AD, et al. **Genet Res** 1980 Jun;35(3):261–8

The influence of sexual and larval selection on the maintenance of polymorphism at the sepia locus in Drosophila melanogaster. Anxolabehere D. **Genetics** 1980 Jul;95(3):743–55

The evolution of multiple mating behavior by honey bee queens (Apis mellifera L.). Page RE Jr. **Genetics** 1980 Sep; 96(1):263–73

The role of the basal hypothalamus in the regulation of

reproductive behavior in the lizard, Anolis carolinensis: lesion studies. Farragher K, et al. **Horm Behav** 1979 Oct; 13(2):185–206

Termination of incubation in doves: influence of egg fertility and absence of mate. Silver R, et al. **Horm Behav** 1980 Jun;14(2):93–106

Sexual behavior and scent marking in male gerbils: comparison of changes after castration and testosterone replacement. Yahr P, et al. **Horm Behav** 1979 Oct; 13(2):175–84

Effect of lesion of caudate nucleus on sexual behaviour of male rat (albino rat, Haffkine strain). Mulgaonker VK, et al. **Indian J Exp Biol** 1980 Nov;18(11):1342–4

Arousal of sexual and aggressive contact by exposure to stressors in albino rats. Posner I, et al. **J Gen Psychol** 1981 Jan;104(First Half):145–51

Coat-color gene suppresses sexual activity in Icelandic sheep. Dýrmundsson OR, et al. **J Hered** 1980 Sep–Oct;71(5):363–4

Sexual dimorphism for body mass in 13 taxa of muroid rodents under laboratory conditions. Dewsbury DA, et al. **J Mammal** 1980 Feb;61(1):146–9

Social factors influencing delayed reproductive maturation in prairie deermice (Peromyscus maniculatus bairdii) in laboratory populations. Terman CR. **J Mammal** 1980 May; 61(2):219–23

The effect of rearing under a long or short photoperiod on testis growth, plasma testosterone and prolactin concentrations, and the development of sexual behaviour in rams. Howles CM, et al. **J Reprod Fertil** 1980 Nov; 60(2):437–47

Reproduction in wild gorillas and some comparisons with chimpanzees. Harcourt AH, et al. **J Reprod Fertil [Suppl]** 1980;Suppl 28:59–70

Reproductive behaviour of wild chimpanzees in the Gombe National Park, Tanzania. Tutin CE. **J Reprod Fertil [Suppl]** 1980;Suppl 28:43–57

An effect of photoperiod history on reproductive function and a circadian rhythm of blind male hamsters. Morin LP. **Physiol Behav** 1981 Jul;27(1):89–94

The sexual behavior of the robber-fly Mallophora ruficauda Wied. (Asilidae, Asilinae) in normal and experimental conditions. Tricca G, et al. **Physiol Behav** 1980 Nov; 25(5):627–32

Fertility of chickens from lines divergently selected for mating frequency. Bernon DE, et al. **Poult Sci** 1981 Jan; 60(1):45–8

Reciprocal homosexual mounting behavior in paired anosmic male rats. Thor DH. **Psychol Rep** 1980 Oct;47(2):349–50

Environmental and social factors influencing seminal emission in chacma baboons (Papio ursinus). Bielert C, et al. **Psychoneuroendocrinology** 1980 Dec;5(4):287–303

Multiple paternity in Belding's ground squirrel litters. Hanken J, et al. **Science** 1981 Apr 17;212(4492):351–3

Peptides controlling behavior in Aplysia. Strumwasser F, et al. **Soc Gen Physiol Ser** 1980;35:197–218

Polymorphic equilibria with assortative mating and selection in subdivided populations. Campbell RB. **Theor Popul Biol** 1980 Aug;18(1):94–111

Sexual behavior in mares. Beaver BV. **VM SAC** 1981 Feb; 76(2):167–8

[Reproduction characteristics of the Oudah ewe] Gaillard Y. **Rev Elev Med Vet Pays Trop** 1979;32(3):285–90 (Eng. Abstr.) **(Fre)**

[Sexual behaviour of Oudah ram] Gaillard Y. **Rev Elev Med Vet Pays Trop** 1979;32(4):379–89 (Eng. Abstr.) **(Fre)**

[Studies on the pheromonal pregnancy block in the mouse. II. Discriminatory and/or memorial mechanisms in female mice responding to the stud male] Furudate S, et al. **Jikken Dobutsu** 1981 Jan;30(1):1–5 (Eng. Abstr.) **(Jpn)**

DRUG EFFECTS

Neonatal androgen administration and sexual behaviour: behavioural responses and hormonal responsiveness of female golden hamsters. Payne AP. **Anim Behav** 1979 Feb; 27 Pt 1:242–50

Hormonal and behavioral response of male chimpanzees to a long-acting analogue of gonadotropin-releasing hormone. Doering CH, et al. **Arch Sex Behav** 1980 Oct; 9(5):441–50

Effect of anti-androgen and 5 alpha-reductase inhibitor on hormone-induced sexual behavior during pregnancy in the rat. Erskine MS, et al. **Biol Reprod** 1980 Nov;23(4):767–75

Importance of estradiol and progesterone in regulating LH secretion and estrous behavior during the sheep estrous cycle. Karsch FJ, et al. **Biol Reprod** 1980 Sep;23(2):404–13

Sexual differentiation of the brain: effects on mating behavior and [3H]-estradiol binding by hypothalamic chromatin in rats. Olsen KL, et al. **Biol Reprod** 1980 Jun;22(5):1068–72

Sequential inhibitory effect of progesterone on lordotic responsiveness in rats: time course, estrogenic nullification, and actinomycin-D insensitivity. Shivers BD, et al. **Biol Reprod** 1980 Dec;23(5):963–73

Effects of methaqualone on social-sexual behavior in monkeys (M. mulatta) II. Simultaneously dosed subjects. Claus G, et al. **Brain Behav Evol** 1981;18(3):105–13

Conspecific odor preferences of male albino rats are reversed by intracerebral 6-hydroxydopamine. Cornwell-Jones CA. **Brain Res** 1981 Jun 1;213(2):379–85

Prostaglandins, clonidine and sexual receptivity in the guinea pig. Irving SM, et al. **Brain Res** 1981 Jan 5;204(1):65–77

Effect of STS 557 on semen composition, fertility and sexual behaviour of male rabbits. Freund H, et al. **Contraception** 1980 Jun;21(6):641–50

Fluoxymesterone and the development of sexual behavior in the golden hamster. Vomachka AJ, et al. **Dev Psychobiol** 1981 Jul;14(4):333–41

Mounting and lordosis behavior in androgen primed ovariectomized rats: effect of dorsal deafferentation of the preoptic area and hypothalamus. Yamanouchi K. **Endocrinol Jpn** 1980 Aug;27(4):499–504

Endocrine and behavioral effects of continuous exposure of male rats to a potent luteinizing hormone-releasing hormone (LHRH) agonist: evidence for central nervous system actions of LHRH. Dorsa DM, et al. **Endocrinology** 1981 Sep;109(3):729–35

Effect of a potent GnRH antagonist and testosterone propionate on mating behavior and fertility in the male rat. Rivier C, et al. **Endocrinology** 1981 May; 108(5):1998–2001

Effects of prostaglandins on sexual receptivity in the female lizard, Anolis carolinensis. Tokarz RR, et al. **Endocrinology** 1981 Aug;109(2):451–7

Stimulating effects of lisuride on masculine sexual behavior of rats. Ahlenius S, et al. **Eur J Pharmacol** 1980 May 30; 64(1):47–51

Comparison of the effects of beta-endorphin and morphine on exploratory and socio-sexual behaviour in the male rat. Meyerson BJ. **Eur J Pharmacol** 1981 Feb 19;69(4):453–63

Estrogen facilitation of lordosis behavior in the female rat. Gorski RA, et al. **Exp Brain Res** 1981;Suppl 3:222–37

Androgens and the social behavior of male and female lizards (Anolis carolinensis). Adkins E, et al. **Horm Behav** 1979 Oct;13(2):139–52

A comparison of the effects of methyltrienolone (R 1881) and 5 alpha-dihydrotestosterone on sexual behavior of castrated male rats. Baum MJ. **Horm Behav** 1979 Oct; 13(2):165–74

A single injection of 17 beta-estradiol facilitates sexual behavior in castrated male mice. Dalterio S, et al. **Horm Behav** 1979 Dec;13(3):314–27

Vasotocin, prostaglandin, and female reproductive behavior in the frog, Rana pipiens. Diakow C, et al. **Horm Behav** 1981 Mar;15(1):86–93

Antiestrogens: effects of tamoxifen, nafoxidine, and CI-628 on sexual behavior, cytoplasmic receptors, and nuclear binding of estrogen. Etgen AM. **Horm Behav** 1979 Oct; 13(2):97–112

Sex-specific, behavior-specific actions of dihydrotestosterone: activation of aggression, but not mounting in ovariectomized guinea pigs. Goldfoot DA. **Horm Behav** 1979 Dec;13(3):241–55

Sexual behavior and penile reflexes of neonatally castrated male rats treated in infancy with estrogen and dihydrotestosterone. Hart BL. **Horm Behav** 1979 Dec; 13(3):256–68

The behavioral responses in ovariectomized cattle to either estradiol, testosterone, androstenedione, or dihydrotestosterone. Katz LS, et al. **Horm Behav** 1980 Sep; 14(3):224–35

Attempts to reinstate lordosis reflex in estrogen-primed spinal female rats with monoamine agonists. Kow LM, et al. **Horm Behav** 1979 Dec;13(3):232–40

Lack of correlation between naloxone-induced changes in sexual behavior and serum LH in male rats. McConnell SK, et al. **Horm Behav** 1981 Mar;15(1):16–35

Endocrine control of amphibian sexual behavior: evidence for a neurohormone-androgen interaction. Moore FL, et al. **Horm Behav** 1979 Dec;13(3):207–13

Activation and differentiation of sexual behavior and translocation of hypothalamic estrogen receptors in rats by 6 alpha-fluorotestosterone. Nordeen EJ, et al. **Horm Behav** 1981 Jun;15(2):123–40

The effects of long-term estrogen exposure on the induction of sexual behavior and measurements of brain estrogen and progestin receptors in the female rat. Parsons B, et al. **Horm Behav** 1979 Dec;13(3):301–13

The role of aromatization in the development of sexual behavior of the female hamster (Mesocricetus auratus). Ruppert PH, et al. **Horm Behav** 1981 Mar;15(1):68–76

A way in which estradiol might play a role in the sexual behavior of male rats [letter] Sodersten P, et al. **Horm Behav** 1980 Sep;14(3):271–4

Differential effects of testosterone metabolites in the neonatal period on open-field behavior and lordosis in the rat. Stewart J, et al. **Horm Behav** 1979 Dec;13(3):282–92

Influence of androgen in the neonatal period on ejaculatory and postejaculatory behavior in the rat. Thomas DA, et al. **Horm Behav** 1980 Jun;14(2):153–62

Effect of various ACTH analogs on lordosis behavior in the female rat. Wilson CA, et al. **Horm Behav** 1979 Dec; 13(3):293–300

Sexual behavior and scent marking in male gerbils: comparison of changes after castration and testosterone replacement. Yahr P, et al. **Horm Behav** 1979 Oct; 13(2):175–84

Sexual behavior, seminal pH and accessory sex gland weights in geldings administered testosterone and(or) estradiol-17 beta. Thompson DL Jr, et al. **J Anim Sci** 1980 Dec; 51(6):1358–66

Sexual behavior in male rats following intracerebral estrogen application. Dohanich GP, et al. **J Comp Physiol Psychol** 1980 Aug;94(4):634–40

Inhibition of lordosis in rats by the antiestrogen CI-628 in the absence of progesterone. Landau IT. **J Comp Physiol Psychol** 1981 Apr;95(2):270–7

Evidence that a placental factor other than androsterone or dihydrotestosterone inhibits oestrogen-induced lordosis behaviour in pregnant rats. de Greef WJ, et al. **J Endocrinol** 1981 Apr;89(1):13–23

Effects of androgenic and oestrogenic hormones on mating behaviour in rams castrated before and after puberty. D'Occhio MJ, et al. **J Endocrinol** 1980 Sep;86(3):403–11

Absence of a diurnal rhythm in lordosis behaviour induced by oestrogen in gonadectomized rats. Erskine MS, et al. **J Endocrinol** 1980 Jul;86(1):127–34

Importance of variations in behavioural and feedback actions of oestradiol to the control of seasonal breeding in the ewe. Goodman RL, et al. **J Endocrinol** 1981 May;89(2):229–40

Effect of testosterone on neuronal refractory periods, sexual behaviour and luteinizing hormone: a comparison of time-courses. Kendrick KM, et al. **J Endocrinol** 1981 Apr; 89(1):147–55

Relative contributions of oestradiol and progesterone to the maintenance of sexual receptivity in mated female hamsters. Lisk RD, et al. **J Endocrinol** 1980 Nov;87(2):175–83

Activation of sexual behaviour in castrated rats with the synthetic androgen 17 beta-hydroxy-17 alpha-methyl-estra-4,9,11-triene-3-one (R 1881). Södersten P, et al. **J Endocrinol** 1980 Nov;87(2):279–83

Induction of sexual receptivity in ovariectomized rats by pulse administration of oestradiol-17 beta. Södersten P, et al. **J Endocrinol** 1981 Apr;89(1):55–62

Evidence that progesterone does not inhibit the induction of sexual receptivity by oestradiol-17 beta in the rat. Södersten P, et al. **J Endocrinol** 1981 Apr;89(1):63–9

Plasma hormone levels and reproductive behaviour in anoestrous ewes after treatment with progesterone and PMSG. Cunningham NF, et al. **J Reprod Fertil** 1980 Sep; 60(1):177–85

Sexual behaviour in ovariectomized cows treated with oestradiol benzoate and testosterone propionate. Nessan GK, et al. **J Reprod Fertil** 1981 Jan;61(1):171–8

Testosterone in the control of rat sexual behavior. Södersten P, et al. **J Steroid Biochem** 1980 Jan;12:337–46

Androgen increases formation of behaviourally effective oestrogen in dove brain. Steimer T, et al. **Nature** 1981 Jul 23;292(5821):345–7

Intralimbic progesterone and methysergide facilitate lordotic behavior in estrogen-primed female rats. Franck JA, et al. **Neuroendocrinology** 1981 Jan;32(1):50–6

Effect of neonatal intrahypothalamic testosterone implants on cyclicity and adult sexual behavior in the female hamster. Hamilton MA, et al. **Neuroendocrinology** 1981 Apr;32(4):234–41

Catecholestrogens and induction of sexual behavior in the ovariectomized rat. Naish SJ, et al. **Neuroendocrinology** 1981 Apr;32(4):225–8

Monosodium glutamate disruption of behavioral and endocrine function in the female rat. Rodriguez-Sierra JF, et al. **Neuroendocrinology** 1980 Sep;31(3):228–35

Dissociation of effects of LH-RH analogs on pituitary regulation and reproductive behavior. Kastin AJ, et al. **Pharmacol Biochem Behav** 1980 Dec;13(6):913–4

Effects of morphine, beta-endorphin and naloxone on catecholamine levels and sexual behavior in the male rat. McIntosh TK, et al. **Pharmacol Biochem Behav** 1980 Sep; 13(3):435–41

Behavioural and endocrine effects of naltrexone in male talapoin monkeys. Meller RE, et al. **Pharmacol Biochem Behav** 1980 Nov;13(5):663–72

Methadone reduces sexual performances and sexual motivation in the male Syrian golden hamster. Murphy MR. **Pharmacol Biochem Behav** 1981 Apr;14(4):561–7

Opiate antagonists and sexual behavior in female hamsters. Ostrowski NL, et al. **Pharmacol Biochem Behav** 1981 Jun; 14(6):881–8

Copulatory behavior and sexual reflexes of male rats treated with naloxone. Sachs BD, et al. **Pharmacol Biochem Behav** 1981 Feb;14(2):251–3

Delta-9-Tetrahydrocannabinol stimulates receptive and proceptive sexual behaviors in female hamsters. Turley WA Jr, et al. **Pharmacol Biochem Behav** 1981 May;14(5):745–7

Facilitation of lordosis behavior in the ovariectomized estrogen primed rat by dibutyryl cAMP. Beyer C, et al. **Physiol Behav** 1981 Feb;26(2):249–51

Effects of acute central and peripheral ACTH1-24 administration on lordosis behavior. de Catanzaro D, et al. **Physiol Behav** 1981 Feb;26(2):207–13

Progesterone-induced mating behavior in rats on the day following spontaneous heat. Dudley CA, et al. **Physiol Behav** 1980 Nov;25(5):759–62

Receptivity, rejection and reactivity in female rats following kainic acid and electrolytic septal lesions. Gorzalka BB, et al. **Physiol Behav** 1981 Jan;26(1):39–44

Apparent involvement of protein synthesis and LH-RH in the inhibition by dihydrotestosterone of estrogen-induced sexual receptivity in the ovariectomized mouse. Gray HE, et al. **Physiol Behav** 1978 DEC;21(6):973–7

Prenatally injected testosterone propionate and sexual behavior of female rats. Huffman L, et al. **Physiol Behav** 1981 May;26(5):773–8

Effects of neonatal exposure to progesterone in sexual behavior of male and female rats. Hull EM. **Physiol Behav** 1981 Mar;26(3):401–5

Facilitation of male sexual behavior in adult male rats by

the aromatization inhibitor, 1,4,6-androstatriene-3,17-dione (ATD). Landau IT. **Physiol Behav** 1980 Aug;25(2):173-7

Sex dimorphism in responsiveness to hormonal induction of female behavior in frogs. Raimondi D, et al. **Physiol Behav** 1981 Jul;27(1):167-70

Adult sexual behavior deficits and altered hormone levels in male hamsters given steroids during development. Vomachka AJ, et al. **Physiol Behav** 1981 Mar;26(3):461-6

Failure of mammalian prolactin to induce incubation behavior in chickens and turkeys. Opel H, et al. **Poult Sci** 1980 Nov;59(11):2550-8

Effect of carbon dioxide on broiler chicken performance. Reece FN, et al. **Poult Sci** 1980 Nov;59(11):2400-2

Masculinized female hamsters do not require steroid treatment when adult for activation of the male copulatory response pattern. Lisk RD. **Psychoneuroendocrinology** 1980 Dec;5(4):305-17

Pentobarbital sodium and attack behavior in male Siamese fighting fish. Figler MH, et al. **Psychopharmacology (Berlin)** 1980;69(2):207-8

Behavioral effects of hashish in mice. IV. Social dominance, food dominance, and sexual behavior within a group of males. Sieber B, et al. **Psychopharmacology (Berlin)** 1981; 73(2):142-6

alpha-Melanocyte stimulating hormone stimulates sexual behaviour in the female rat. Thody AJ, et al. **Psychopharmacology (Berlin)** 1981;74(2):153-6

Facilitation of mounting behavior in male rats by intracranial injections of luteinizing hormone-releasing hormone. Dorsa DM, et al. **Regul Pept** 1980 Oct;1(2):147-55

[The influence of anticol (Disulfiram) on the sexual activity and morphological changes of male gonads (author's transl)] Borzęcki Z, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 1979;34:377-81 (Eng. Abstr.) **(Pol)**

[The influence of oxazepam and diazepam on the sexual behaviour and level of GABA biogenic amines in a male rat's brain (author's transl)] Borzęcki Z, et al. **Ann Univ Mariae Curie Sklodowska [Med]** 1979;34:371-6 (Eng. Abstr.) **(Pol)**

[Effect of sigetin on the sexual behavior of female rats androgenized and nonandrogenized on the 5th day of life] Antonov VV. **Farmakol Toksikol** 1980 May-Jun; 43(3):342-4 (Eng. Abstr.) **(Rus)**

[Effect of chemical sterilization on the sexual functions of male mosquitoes] Zakharova NF, et al. **Med Parazitol (Mosk)** 1981 May-Jun;50(3):56-62 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

The integration of the male-female set studied by simultaneous investigation of the instrumental sexual responses in rats. Beck J. **Acta Neurobiol Exp (Warsz)** 1980; 40(2):527-33

Sexual differences in the brain. Arnold AP. **Am Sci** 1980 Mar-Apr;68(2):165-73

Correlative study of the ultrastructure and the physiology of the seasonal regression of the epididymal epithelium in the hedgehog Paraechinus micropus. Bidwai PP, et al. **Andrologia** 1981 Jan-Feb;13(1):20-32

Relative male age, fertility, and competitive mating success in Drosophila melanogaster. Long CE, et al. **Behav Genet** 1980 Mar;10(2):163-70

Effects of flank glandectomy of the female hamster (Mesocricetus auratus) upon the sexual behavior of the male hamster. Flórez-Lozano JA, et al. **Behav Neural Biol** 1980 Jul;29(3):399-404

Flehmen in male goats: role in sexual behavior. Ladewig J, et al. **Behav Neural Biol** 1980 Nov;30(3):312-22

Sexual preferences of male hamsters: importance of preweaning and adult experience, vaginal secretion, and olfactory or vomeronasal sensation. Murphy MR. **Behav Neural Biol** 1980 Nov;30(3):323-40

Postpartum estrus in Norway rats. I. Behavior. Connor JR, et al. **Biol Reprod** 1980 Dec;23(5):994-9

Participation of the eyes in the photosexual response of Japanese quail (Coturnix coturnix japonica). Siopes TD, et al. **Biol Reprod** 1980 Sep;23(2):352-7

Male rat sexual behavior compared after 6-OHDA and electrolytic lesions in the dorsal NA bundle region of the midbrain. Clark TK. **Brain Res** 1980 Dec 8;202(2):429-43

The role of the midbrain in courtship behavior of the female ring dove (Streptopelia risoria): evidence from radiofrequency lesion and hormone implant studies. Cohen J, et al. **Brain Res** 1981 Mar 2;207(2):279-301

Metabolic control of the behavioural action of androgens in the dove brain: testosterone inactivation by 5 beta-reduction. Steimer T, et al. **Brain Res** 1981 Mar 23; 209(1):189-204

Disruption of lordosis by dorsal midbrain lesions in the golden hamster. Muntz JA, et al. **Brain Res Bull** 1980 Jul-Aug;5(4):359-64

Reduced ovarian function and lordosis behavior following hypothalamic knife cuts. Phelps CP, et al. **Brain Res Bull** 1980 Sep-Oct;5(5):531-7

The regulation of luteinizing hormone secretion by estrogen: relationships among negative feedback, surge potential, and male stimulation in juvenile, peripubertal, and adult female mice. Bronson FH. **Endocrinology** 1981 Feb;108(2):506-16

Sexual behavior decreases pain sensitivity and stimulated endogenous opioids in male rats. Szechtman H, et al. **Eur J Pharmacol** 1981 Mar 26;70(3):279-85

Sex hormone dependent brain differentiation and sexual behavior. Dörner G. **Exp Brain Res** 1981;Suppl 3:238-45

Physiology of somatosensory and estrogenic control over the lordosis reflex. Kow LM, et al. **Exp Brain Res** 1981; Suppl 3:262-73

Older monkeys' (Macaca radiata) response to new group formation: behavior, reproduction and mortality. Jensen GD, et al. **Exp Gerontol** 1980;15(5):399-406

Social interactions and androgen levels in birds. II. Social factors associated with a decline in plasma androgen levels in male ring doves (Streptopelia risoria). O'Connell ME, et al. **Gen Comp Endocrinol** 1981 Aug;44(4):464-9

Social interactions and androgen levels in birds. I. Female characteristics associated with increased plasma androgen levels in the male ring dove (Streptopelia risoria). O'Connell ME, et al. **Gen Comp Endocrinol** 1981 Aug; 44(4):454-63

Multiple matings, effective population size and sexual selection in Drosophila melanogaster. Petit C, et al. **Heredity (Edinburgh)** 1980 Oct;45(2):281-92

Male sexual behavior in deer mice (Peromyscus maniculatus) following castration and hormone replacement. Clemens LG, et al. **Horm Behav** 1981 Jun;15(2):183-96

Brain areas implicated in cholinergic regulation of sexual behavior. Dohanich GP, et al. **Horm Behav** 1981 Jun; 15(2):157-67

Social influences on plasma testosterone levels in male talapoin monkeys. Eberhart JA, et al. **Horm Behav** 1980 Sep;14(3):247-66

Ovarian hormones, copulatory stimuli, and female sexual behavior in the Mongolian gerbil. McDermott JL, et al. **Horm Behav** 1980 Sep;14(3):211-23

Effects of neonatal septal lesions on reproductive behavior of male and female rats. McGinnis MY, et al. **Horm Behav** 1980 Sep;14(3):191-203

Selective brain stem transections affecting reproductive behavior of female rats: the role of hypothalamic output to the midbrain. Manogue KR, et al. **Horm Behav** 1980 Dec;14(4):277-302

Control of proceptive and receptive behavior by ovarian hormones in the Syrian hamster (Mesocricetus auratus). Steel E. **Horm Behav** 1981 Jun;15(2):141-56

Bisexual behavior in male rats treated neonatally with antibodies to luteinizing hormone-releasing hormone. Kalcheim C, et al. **J Comp Physiol Psychol** 1981 Feb; 95(1):36-44

The role of vaginal secretion in hamster sexual behavior: males' responses to normal and vaginectomized females and their odors. Kwan M, et al. **J Comp Physiol Psychol** 1980 Oct;94(5):905-13

Behavioural action of androgen in the dove: effects of long-term castration on response specificity and brain aromatization. Hutchison JB, et al. **J Endocrinol** 1981 Aug; 90(2):167-78

Episodic fluctuations in concentrations of androgen in serum of male rats: possible relationship to sexual behaviour. Södersten P, et al. **J Endocrinol** 1980 Dec;87(3):463-71

Suprachiasmatic lesions disrupt the daily rhythmicity in the sexual behaviour of normal male rats and of male rats treated neonatally with antioestrogen. Södersten P, et al. **J Endocrinol** 1981 Jan;88(1):125-30

Serum levels of oestradiol-17 beta and progesterone in relation to sexual receptivity in intact and ovariectomized rats. Södersten P, et al. **J Endocrinol** 1981 Apr;89(1):45-54

Cells of origin of medullary projections in central gray of rat mesencephalon. Sakuma Y, et al. **J Neurophysiol** 1980 Nov;44(5):1002-11

Influence of boar contact on attainment of puberty in gilts after removal of the olfactory bulbs. Kirkwood RN, et al. **J Reprod Fertil** 1981 Jan;61(1):193-6

Oestrous behaviour, follicular growth and ovulation during pregnancy in the hare (Lepus europaeus). Martinet L. **J Reprod Fertil** 1980 Jul;59(2):441-5

Sperm output by rams and distribution amongst ewes under conditions of continual mating. Synnott AL, et al. **J Reprod Fertil** 1981 Mar;61(2):355-61

Reproductive physiology and behaviour of gorillas. Nadler RD. **J Reprod Fertil [Suppl]** 1980;Suppl 28:79-89

Effect of transportation on sexual behavior of cats. Wildt DE. **Lab Anim Sci** 1980 Oct;30(5):910-12

Drugs, transmitters and hormones, and mating behavior. Karczmar AG. **Mod Probl Pharmacopsychiatry** 1980; 15:1-76 (260 ref.)

Rapid deposition of subcutaneous areolar tissue in response to sexual stimulation in mice. Bronson FH. **Nature** 1979 Sep 27;281(5729):301-2

Musth in the African elephant, Loxodonta africana. Poole JH, et al. **Nature** 1981 Aug 27;292(5826):830-1

Short-term endogenous hyperprolactinaemia and sexual behavior of male rats. Drago F, et al. **Physiol Behav** 1981 Feb;26(2):277-9

Sexual behavior of the obese male Zucker rat. Edmonds ES, et al. **Physiol Behav** 1980 Jun;24(6):1139-41

Estradiol treatment and precopulatory behavior in ovariectomized female rats. Hliňák Z, et al. **Physiol Behav** 1981 Feb;26(2):171-6

Olfactory bulbectomy depresses ultrasound production and scent marking by female hamsters. Kairys DJ, et al. **Physiol Behav** 1980 Jul;25(1):143-6

Flehmen and vomeronasal organ function in male goats. Ladewig J, et al. **Physiol Behav** 1980 Jun;24(6):1067-71

Responses of male hamsters to the ear gland secretions of conspecifics. Landauer MR, et al. **Physiol Behav** 1980 Jun; 24(6):1023-6

Spinal transection restores sexual reflexes of rats following suppression by penile sheath removal. Lumia AR, et al. **Physiol Behav** 1980 Jul;25(1):89-92

Sexual receptivity in female rats after lesion or stimulation in different amygdaloid nuclei. Mascó DH, et al. **Physiol Behav** 1980 Jun;24(6):1073-80

Induction of the 'stretching response' by vagino-cervical stimulation in the rat. Naggar AN, et al. **Physiol Behav** 1980 Jun;24(6):1041-5

Dissociation between female sexual behavior and luteinizing hormone release in old female rats. Peng MT, et al. **Physiol Behav** 1980 Nov;25(5):633-6

Effects of stimulus female on sexual behavior of male rats given olfactory tubercle and corticomedial amygdaloid lesions. Perkins MS, et al. **Physiol Behav** 1980 Oct; 25(4):495-500

Changes in gonadotrophins and prolactin levels in isolated (seasonally or lactationally) anovular ewes associated with ovulation caused by the introduction of rams. Poindron P, et al. **Physiol Behav** 1980 Aug;25(2):227-36

Inhibitory and facilitatory neural mechanisms involved in the regulation of lordosis behavior in female rats: effects of dual cuts in the preoptic area and hypothalamus. Yamanouchi K. **Physiol Behav** 1980 Nov;25(5):721-5

Uncoupling of the sexual receptivity (lordosis) hormone relationships by estradiol benzoate and testosterone propionate injection in neonatal hamsters of both sexes. Lisk RD. **Psychoneuroendocrinology** 1980;5(3):191-201

Where is the spawning reflex receptor for neurohypophysial peptides in the killifish, Fundulus heteroclitus? Pickford GE, et al. **Rev Can Biol** 1980 Jun;39(2):97-105

Classical conditioning: induction of luteinizing hormone and testosterone secretion in anticipation of sexual activity. Graham JM, et al. **Science** 1980 Nov 28;210(4473):1039-41

Medial nucleus of the amygdala mediates chemosensory control of male hamster sexual behavior. Lehman MN, et al. **Science** 1980 Oct 31;210(4469):557-60

[Hormones and development of sexual behaviour in the domestic sheep (author's transl)] Signoret JP, et al. **Ann Endocrinol (Paris)** 1980 Nov-Dec;41(6):523-30 (12 ref.) (Eng. Abstr.) **(Fre)**

[Mechanisms of sexual dysfunction in alloxan diabetic rats] Baranov VG, et al. **Probl Endokrinol (Mosk)** 1981 Mar-Apr;27(2):44-8 (Eng. Abstr.) **(Rus)**

SEX CHARACTERISTICS

Androgyny as a standard of mental health. Kravetz D, et al. **Am J Orthopsychiatry** 1981 Jul;51(3):502-9

Height and sexual dimorphism of stature among human societies. Gray JP, et al. **Am J Phys Anthropol** 1980 Sep; 53(3):441-56

Sexual differences in the brain. Arnold AP. **Am Sci** 1980 Mar-Apr;68(2):165-73

Chemical communication in Cavia: responses of wild (C. aperea), domestic (C. porcellus) and F1 males to urine. Beauchamp GK, et al. **Anim Behav** 1979 Nov;27(Pt 4):1066-72

Physical attractiveness: the influence of selected torso parameters. Horvath T. **Arch Sex Behav** 1981 Feb; 10(1):21-4

Cognitive correlates of biologic sex and gender identity in transsexualism. Hunt DD, et al. **Arch Sex Behav** 1981 Feb; 10(1):65-77 (38 ref.)

Effects of gonadectomy and exogenous gonadal steroids on sex differences in open field behaviour of adult rats. Slob AK, et al. **Behav Brain Res** 1981 May;2(3):347-62

Dose and sex related effects of benserazide on prolactin secretion. Murialdo G, et al. **Boll Soc Ital Biol Sper** 1979 Feb 28;55(4):373-7

Ultrasound evidence of sexual difference in fetal size in first trimester. Pedersen JF. **Br Med J** 1980 Nov 8; 281(6250):1253

Sexual dimorphism in synaptic organization in the amygdala and its dependence on neonatal hormone environment. Nishizuka M, et al. **Brain Res** 1981 May 11;212(1):31-8

The sex-related difference in serum thyrotropin concentration is androgen mediated. Christianson D, et al. **Endocrinology** 1981 Feb;108(2):529-35

Continuous infusion of growth hormone feminizes hepatic steroid metabolism in the rat. Mode A, et al. **Endocrinology** 1981 Jun;108(6):2103-8

Pregnancies in primary amenorrhea with normally developed secondary sex characteristics. Zourlas PA, et al. **Fertil Steril** 1980 Aug;34(2):112-5

Effects of methyltestosterone on spermatogenesis and secondary sexual characters in the three-spined stickleback (Gasterosteus aculeatus L.). Borg B. **Gen Comp Endocrinol** 1981 Jun;44(2):177-80

Failure to find sex differences in testosterone activated aggression in two strains of rats. van de Poll NE, et al. **Horm Behav** 1981 Mar;15(1):94-105

Sex differences in the regulation of experimentally induced autoantibodies in (NZB x NZW)F1 mice. Cooke A, et al. **Immunology** 1980 Dec;41(4):819-23

Fertility and sexual development after bilateral orchiopexy for cryptorchidism. Wolloch Y, et al. **Isr J Med Sci** 1980 Sep-Oct;16(9-10):707-10

Sex differences in dendritic morphology of a song control

nucleus in the canary: a quantitative Golgi study. DeVoogd TJ, et al. **J Comp Neurol** 1981 Feb 20;196(2):309–16

Role of testosterone in the sexual dimorphism of adrenal activity at puberty in the guinea-pig. El Hani A, et al. **J Endocrinol** 1980 Dec;87(3):455–61

Prenatal and early postnatal sex differences in plasma and gonadal testosterone and plasma luteinizing hormone in female and male rats. Slob AK, et al. **J Endocrinol** 1980 Oct;87(1):81–7

Sexual dimorphism for body mass in 13 taxa of muroid rodents under laboratory conditions. Dewsbury DA, et al. **J Mammal** 1980 Feb;61(1):146–9

Seasonal influences of births and male sex skin coloration in rhesus monkeys (macaca mulatta) in the southern hemisphere. Bielert C, et al. **J Reprod Fertil** 1981 May; 62(1):229–33

Sexual dimorphism of the phallus in spotted hyaena (Crocuta crocuta). Neaves WB, et al. **J Reprod Fertil** 1980 Jul; 59(2):509–13

Sex differences in the behavioural ecology of chimpanzees in the Gombe National Park, Tanzania. Wrangham RW, et al. **J Reprod Fertil [Suppl]** 1980;Suppl 28:13–31

Sex and hormonal modification of 6-keto-PGF1 alpha release by rat aorta. Pomerantz K, et al. **Life Sci** 1980 Sep 29;27(13):1233–6

A sex difference in the progestin receptor system of guinea pig brain. Blaustein JD, et al. **Neuroendocrinology** 1980 Dec;31(6):403–9

Fetal female rats are masculinized by male littermates located caudally in the uterus. Meisel RL, et al. **Science** 1981 Jul 10;213(4504):239–42

Understanding the bases of sex differences. Naftolin F. **Science** 1981 Mar 20;211(4488):1263–4

[Sex differences in human dentition] Salmon JP, et al. **Orthod Fr** 1980;51:179–88 (Eng. Abstr.) **(Fre)**

SEX CHROMATIN

Improved fluorescence method for identifying sex chromatin in formalin-fixed tissue. Davis JR, et al. **Am J Clin Pathol** 1981 May;75(5):731–3

Cytogenetic evidence for the absence of an inactivated X chromosome in a human female (XX) breast carcinoma cell line. Camargo M, et al. **Hum Genet** 1980;55(1):81–5

Y chromatin frequency in white blood cells of newborn males. Poláková H, et al. **J Perinat Med** 1980;8(3):164–6

[Association of glucose-6-phosphate dehydrogenase activity with hematologic parameters and X chromatin in normal newborn infants] Itskan-Forshaid SB, et al. **Rev Paul Med** 1980 Mar-Apr;95(3-4):51-5 (Eng. Abstr.) **(Por)**

ANALYSIS

A sex chromatin study in euthyroid and thyrotoxic African female patients. Mukiibi JM, et al. **East Afr Med J** 1980 Sep;57(9):659–63

Symmetrical replication patterns and sex chromatin bodies formation of an idic(X)(p22.3::p22.3) chromosome. Mutchinik O, et al. **Hum Genet** 1981;57(3):261–4

X-linked glucose-6-phosphate dehydrogenase activity in relation to X-chromatin frequency during menstrual cycle. Chakravarty A, et al. **Indian J Med Res** 1980 Oct;72:568–70

X chromatin and chromosome examination in aged women. Yen FF, et al. **Mech Ageing Dev** 1981 May;16(1):55–60

Aging, Diseases and X-chromatin. Voitenko VP. **Z Gerontol** 1980 Jan-Feb;13(1):18–23

[Determination of urothelial tumor growth rate in men by the Y-chromatin content] Anichkov NM, et al. **Sov Med** 1980;(9):113–5 **(Rus)**

[Cytophotometric study of the sex chromatin in the giant cell nuclei of the rabbit trophoblast] Zybina TG, et al. **Tsitologiia** 1980 Sep;22(9):1037–45 (25 ref.) (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

[Glucose-6-phosphate dehydrogenase and sex chromatin in hormone-dependent organs] Semkiv II, et al. **Akush Ginekol (Mosk)** 1981 Jan;(1):33–4 **(Rus)**

PHYSIOLOGY

Influence of seminal plasma on the chromatin stability of ejaculated human spermatozoa. Kvist U, et al. **Int J Androl** 1980 Apr;3(2):130–42

ULTRASTRUCTURE

Pseudo-drumsticks in granulocytes of a male with a Yqh+ polymorphism. Moore CM, et al. **Am J Hematol** 1980; 8(4):411–4

Frequency of evident Barr and 'F' corpuscles in tetraploid Purkinje neurons. Zapata-Gayón N, et al. **Arch Invest Med (Mex)** 1980;11(3):409–15 **(Eng, Spa)**

Sex chromatin in carcinoma of the uterine cervix. Gupta S, et al. **Indian J Med Res** 1980 May;71:795–7

Buccal mucosal X-chromatin frequency in the female. Purandare H, et al. **Indian J Med Res** 1980 May;71:790–4

Correlation between Barr body and overall chromatin decondensation in vitro. Grattarola M, et al. **J Cell Sci** 1981 Feb;47:187–95

[Rapid method of studying X- and Y-chromatin in embryonic tissues] Novikova LN. **Tsitologiia** 1981 Jan; 23(1):107–9 **(Rus)**

SEX CHROMOSOME ABNORMALITIES

47,XXY males: sex chromosomes and tooth size. Alvesalo L, et al. **Am J Hum Genet** 1980 Nov;32(6):955–9

Prenatal monitoring and genetic counseling in a 47, XXX female with the oro-facial digital syndrome-type 1 [letter] Cohen MM, et al. **Am J Hum Genet** 1981 Jul;33(4):649–50

Some considerations bearing on the doctrine of self-fulfilling prophecy in sex chromosome aneuploidy. Puck MH. **Am J Med Genet** 1981;9(2):129–37

Familial ridge dissociation-aplasia and X-chromosome aneuploidy. Goradia RY, et al. **Birth Defects** 1979; 15(6):591–607

Mental retardation in association with a balanced X-autosome translocation and random inactivation of the X chromosomes. Sands ME. **Clin Genet** 1980 May; 17(5):309–16

49,XYYYY. A case report. Sirota L, et al. **Clin Genet** 1981 Feb;19(2):87–93

Occurrence of sex chromosome mosaicism and translocation Down's syndrome in the same family. Smith A, et al. **Clin Genet** 1980 May;17(5):341–8

A clinical and cytogenetic study of fifteen patients with 45,X/46XY gonadal dysgenesis. Gantt PA, et al. **Fertil Steril** 1980 Sep;34(3):216–21

Serological evidence for H-Y antigen in XO-female mice. Engel W, et al. **Hum Genet** 1981;57(1):68–70

Perinatal mortality and XY/XX mosaicism. Report of two patients. Fryns JP, et al. **Hum Genet** 1980;56(2):225–6

A family with a satellited Yq chromosome. Giraldo A, et al. **Hum Genet** 1981;57(1):99–100

Anatomic and chromosomal anomalies in 639 spontaneous abortuses. Kajii T, et al. **Hum Genet** 1980;55(1):87–98

Localisation of male determining factors in man: a thorough review of structural anomalies of the Y chromosome. Davis RM. **J Med Genet** 1981 Jun;18(3):161–95 (339 ref.)

A liveborn case of 49,XXXY, + 18. Kardon NB, et al. **J Med Genet** 1980 Oct;17(5):389–90

Structural aberration of the X chromosome in a patient with gonadal dysgenesis: an approach to karyotype-phenotype correlation. Varella-Garcia M, et al. **J Med Genet** 1981 Jun;18(3):228–30

The fate of germ cells in the testis of fetal Sex-reversed mice. McLaren A. **J Reprod Fertil** 1981 Mar;61(2):461–7

Unidirectional hybrid male sterility from crosses between species A and species B of the taxon Anopheles (Cellia) culicifacies Giles. Miles SJ. **J Trop Med Hyg** 1981 Feb; 84(1):13–6

Clinical findings in patients with numerical abnormalities of the X chromosome: a three-year survey of consecutive admissions to a general hospital. Garson OM, et al. **Med J Aust** 1980 Jul 12;2(1):33–5

Classification of hereditary cataracts in children by linkage analysis. Maumenee IH. **Ophthalmology (Rochester)** 1979 Sep;86(9):1554–8

Shovel shape of maxillary incisors in 47,XXY males. Kirveskari P, et al. **Proc Finn Dent Soc** 1981;77(1-3):79–81

Acquired trisomy 12 and absent Y chromosome in a patients with acute undifferentiated leukaemia. Najfeld V, et al. **Scand J Haematol** 1981 Feb;26(2):130–6

Sex chromosomal abnormalities in India. Nigli M, et al. **Trop Geogr Med** 1980 Sep;32(3):206–15 (110 ref.)

[Multiple bone malformations in a girl with karyotype 46,XY (author's transl)] Vaněk J, et al. **Cas Lek Cesk** 1980 Aug 22;119(33-34):913–4 (Eng. Abstr.) **(Cze)**

[Telomeric fusion of the short arms of both X chromosomes in a patient presenting an atypical Turner syndrome] Pescia G, et al. **J Genet Hum** 1980 Dec;28(4):131–40 **(Fre)**

[Problems connected with sex determination, differentiation and development] Faggiano M, et al. **Arch Ostet Ginecol** 1979 Jan-Feb;84(1-2):31–74 (82 ref.) (Eng. Abstr.) **(Ita)**

[Inherited mental retardation in the male caused by a structural X chromosomal defect] Blomquist HK, et al. **Lakartidningen** 1981 Jun 17;78(25):2445–48 (Eng. Abstr.) **(Swe)**

BLOOD

Gonadotropin dynamics in XX males. Pérez-Palacios G, et al. **J Clin Endocrinol Metab** 1981 Aug;53(2):254–7

[Structural abnormalities of Y chromosome: study of 13 cases (author's transl)] Vincent A, et al. **Ann Pediatr (Paris)** 1981 Mar;28(3):205–8 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Gonadoblastoma and dysgerminoma in a true hermaphrodite with a 46,XX karyotype. Talerman A, et al. **Am J Obstet Gynecol** 1981 Jun 15;140(4):475–7

The fragile X chromosome mental retardation and large testes. Hecht F, et al. **Ariz Med** 1980 Nov;37(11):764–6

Abnormal cerebral cortical convolutions in an XYY fetus. Austin GE, et al. **Hum Genet** 1980;56(2):173–5

Marfan's syndrome with 47,XXX genotype and possible immunologic abnormality. Smith TF, et al. **South Med J** 1981 May;74(5):630–2

[Eye signs in anomalies of sex chromosomes (author's transl)] François J. **Klin Oczna** 1981;83(2):145–8 (Eng. Abstr.) **(Fre)**

[X chronmosome-linked hydrocephalus. Diagnostic and genetic-counseling aspects] Kocoń-Sladowska H, et al. **Pediatr Pol** 1980 Apr;55(4):463–71 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

What's new in pediatrics: mental retardation, macroorchidism, and marker x chromosome [news] Howell RR. **Tex Med** 1981 Apr;77(4):33–4

[The problem of sex chromosome aneuploidy in genetic counseling using amniocentesis] Engel E, et al. **J Genet Hum** 1980 Sep;28(3):257–66 (Eng. Abstr.) **(Fre)**

[X-linked mental retardation and X-chromosome fragile sites (author's transl)] Schmidt A, et al. **Dtsch Med Wochenschr** 1981 Apr 10;106(15):460–3 (Eng. Abstr.) **(Ger)**

ETIOLOGY

[Trisomy 21 associated with XYY karyotype] Dorant B, et al. **Endokrynol Pol** 1980 May-Jun;31(3):279–83 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

FUdR induction of the X chromosome fragile site: evidence for the mechanism of folic acid and thymidine inhibition. Glover TW. **Am J Hum Genet** 1981 Mar;33(2):234–42

A new form of X-linked mental retardation with growth retardation, deafness, and microgenitalism. Juberg RC, et al. **Am J Hum Genet** 1980 Sep;32(5):714–22

A 48,XXXX female with absence of ovaries. Collen RJ, et al. **Am J Med Genet** 1980;6(4):275–8

Pentasomy X: report of patient and studies of X-inactivation. Funderburk SJ, et al. **Am J Med Genet** 1981;8(1):27–33

Significance of phenotypic and chromosomal abnormalities in X-linked mental retardation (Martin-Bell or Renpenning syndrome). Jennings M, et al. **Am J Med Genet** 1980; 7(4):417–32

X-linked mental retardation with macro-orchidism and marker-X chromosomes. Martin RH, et al. **Am J Med Genet** 1980;7(4):433–41

Double trisomy 48,XXX,+ 18 in a newborn. Rosenfeld W, et al. **Am J Med Genet** 1981;8(1):67–71

Brief clinical report: renal hypodysplasia and unilateral ovarian agenesis in the penta-X syndrome. Toussi T, et al. **Am J Med Genet** 1980;6(2):153–62

X chromosomes attached by their short arm : presence of an inactive centromere influences the replication patterns. Maraschio P, et al. **Ann Genet (Paris)** 1980;23(4):208–12

Proteins of the Drosophila melanogaster male reproductive system: two-dimensional gel patterns of proteins synthesized in the XO, XY, and XYY testis and paragonial gland and evidence that the Y chromosome does not code for structural sperm proteins. Ingman-Baker J, et al. **Biochem Genet** 1980 Aug;18(7-8):809–28

Familial sex chromosome mosaicism (yes) and interchromosomal effects (no) [letter] Hecht F. **Clin Genet** 1981 Jan;19(1):77–8

Bloom's syndrome, missing Y, hypogonadism and cancer [letter] Shabtai F, et al. **Clin Genet** 1980 Jul;18(1):93–5

Sex chromosome disorders. Pitcher D. **CRC Crit Rev Clin Lab Sci** 1981;13(4):241–82 (179 ref.)

Spermatocyte loss in XYY mice. Burgoyne PS, et al. **Cytogenet Cell Genet** 1980;28(1-2):143–4

The XX male -- report on a child and an adult. Bauch K, et al. **Endokrinologie** 1980;76(1):63–7

Karyological and anthropological analysis of a case of 47, XXX (super female). Hadyna A, et al. **Folia Biol (Krakow)** 1980;28(3):305–12

Chimerism 46,XX/46,XY in a phenotypic female. Genčík A, et al. **Hum Genet** 1980;55(3):407–8

Structural anomalies of the X chromosome and inactivation center. Mattei MG, et al. **Hum Genet** 1981;56(3):401–8

Symmetrical replication patterns and sex chromatin bodies formation of an idic(X)(p22.3::p22.3) chromosome. Mutchinik O, et al. **Hum Genet** 1981;57(3):261–4

Cell selection in vivo. Follow-up of nine unselected mixoploid children. Nielsen J, et al. **Hum Genet** 1980; 55(3):357–61

Kinetics of DNA replication in a dicentric X chromosome formed by long arm to long arm fusion. Yu CW, et al. **Hum Genet** 1980;56(1):71–9

Chromosomes and criminality. The legal implications of the XYZ syndrome. Saulitis A. **J Leg Med (Chicago)** 1979 Dec; 1(3):269–91

X;Y translocation in an adolescent mentally normal phenotypic male with features of hypogonadism. Bernstein R, et al. **J Med Genet** 1980 Dec;17(6):437–43

Female phenotype and multiple abnormalities in sibs with a Y chromosome and partial X chromosome duplication: H--Y antigen and Xg blood group findings. Bernstein R, et al. **J Med Genet** 1980 Aug;17(4):291–300

The penta-X syndrome. Monheit A, et al. **J Med Genet** 1980 Oct;17(5):392–6

Homodicentric chromosomes: a distinctive type of dicentric chromosome. Ward BE, et al. **J Med Genet** 1981 Feb; 18(1):54–8

Aicardi syndrome in a male infant [letter] **J Pediatr** 1980 Dec;97(6):1040–2

Variation in pituitary-gonadal function in two adolescent boys with 46XX male syndrome. LaFranchi S, et al. **J Pediatr** 1980 Dec;97(6):960–2

X-ray induced sex-chromosome loss, when ring-X chromosome males are irradiated and mated to females carrying mei-9, mei-41 or mei-218. Aaron CS, et al.

Mutat Res 1981 Jul;82(2):381–8

A genetic study of the effects of the repair-deficient mei-9a mutation in Drosophila on spontaneous and X-ray-induced paternal sex chromosome loss. Cooper SF, et al. **Mutat Res** 1981 Feb;80(2):281–7

Additional evidence for X–Y chromosome interchange in a 46,XX male. Butler MG, et al. **Nebr Med J** 1980 Dec; 65(12):330–3

The implications of detecting an extra metacentric microchromosome on amniotic fluid cell culture. Barnard AH, et al. **S Afr Med J** 1980 Sep 20;58(12):485–8

[XX-male syndrome from the andrologic viewpoint] Pusch H, et al. **Andrologia** 1980 May–Jun;12(3):219–24 (Eng. Abstr.) **(Ger)**

[Men with female karyotypes] Kövary PM, et al. **Hautarzt** 1981 Feb;32(2):63–6 (Eng. Abstr.) **(Ger)**

[Congenital Bruton type antibody deficiency syndrome. Infantile sex-linked hypogammaglobulinemia] Stambolis C, et al. **Med Welt** 1981 Jul 10;32(28):1099–105 **(Ger)**

IMMUNOLOGY

Lack of autoantigen-specific splenic suppressor cells in mice with an X-linked B-lymphocyte defect. Cooke A, et al. **Immunology** 1980 Dec;41(4):815–8

OCCURRENCE

The frequency of XYY and XXY men among criminal offenders. Schröder J, et al. **Acta Psychiatr Scand** 1981 Mar; 63(3):272–6

Frequency of XYY males in Wisconsin state correctional institutions. Daly RF, et al. **Clin Genet** 1980 Aug; 18(2):116–22

PATHOLOGY

Morphological profiles of cryptorchid XXY mouse testes. Huckins C, et al. **Anat Rec** 1981 Apr;199(4):507–18

Fetal gonadal histology in XXXXY, XYY and XXX syndromes. Autio-Harmainen H, et al. **Clin Genet** 1980 Jul; 18(1):1–5

PHYSIOPATHOLOGY

Cardiac functioning and blood pressure of 47,XYY and 47,XXY men in a double-blind, double-matched population survey. Boisen E, et al. **Am J Hum Genet** 1981 Jan;33(1):77–84

Serotoninergic dysfunction in the 47, XYY syndrome. Bioulac B, et al. **Biol Psychiatry** 1980 Dec;15(6):917–23

[New evidence regarding the etiology and pathogenesis of true hermaphrodites] van Niekerk WA, et al. **S Afr Med J** 1981 Aug 1;60(5):195–8 (Eng. Abstr.) **(Afr)**

[Physical and mental fitness of people with a XX-male syndrome] Kuhlwein A, et al. **Andrologia** 1981 Jan–Feb; 13(1):56–63 (Eng. Abstr.) **(Ger)**

RADIOGRAPHY

[XXXXY syndrome: clinical-radiological findings in one patient (author's transl)] Ventruto V, et al. **Radiol Med (Torino)** 1981;67(3):147–51 (Eng. Abstr.) **(Ita)**

VETERINARY

Two equine true hermaphrodites with 64,XX/64,XY and 63,XO/64,XY chimerism. Dunn HO, et al. **Cornell Vet** 1981 Apr;71(2):123–35

A pseudohermaphrodite XY/XO mosaic Pseudomys australis (Rodentia: Muroidae). Breed WG, et al. **J Mammal** 1980 Aug;61(3):537–9

A 37XO chromosome complement in a kitten. Long SE, et al. **J Small Anim Pract** 1980 Nov;21(11):627–31

SEX CHROMOSOMES

47,XXY males: sex chromosomes and tooth size. Alvesalo L, et al. **Am J Hum Genet** 1980 Nov;32(6):955–9

Enamel thickness of 45,X females' permanent teeth. Alvesalo L, et al. **Am J Hum Genet** 1981 May;33(3):464–9

A possible exception to the critical region hypothesis. Barnabei VM, et al. **Am J Hum Genet** 1981 Jan;33(1):61–6

Assignment of genes to the human X chromosome by the two-dimensional electrophoretic analysis of total cell proteins from rodent-human somatic cell hybrids. Cox DR, et al. **Am J Hum Genet** 1981 Jul;33(4):495–512

Detection of genetic variation with radioactive ligands. IV. X-linked, polymorphic genetic variation of thyroxin-binding globulin (TBG). Daiger SP, et al. **Am J Hum Genet** 1981 Jul;33(4):640–8

Duchenne muscular dystrophy (DMD) in a female with an X/autosome translocation: further evidence that the DMD locus is at Xp21. Jacobs PA, et al. **Am J Hum Genet** 1981 Jul;33(4):513–8

A genetic study of anodontia in X-linked hypohidrotic ectodermal dysplasia. Nakata M, et al. **Am J Hum Genet** 1980 Nov;32(6):908–19

A 48,XXXX female with absence of ovaries. Collen RJ, et al. **Am J Med Genet** 1980;6(4):275–8

X-linked mental retardation: Renpenning revisited. Fox P, et al. **Am J Med Genet** 1980;7(4):491–5

Pentasomy X: report of patient and studies of X-inactivation. Funderburk SJ, et al. **Am J Med Genet** 1981;8(1):27–33

Nonspecific X-linked mental retardation I: a review with information from 24 new families. Herbst DS. **Am J Med Genet** 1980;7(4):443–60 (56 ref.)

Nonspecific X-linked mental retardation II: the frequency in British Columbia. Herbts DS, et al. **Am J Med Genet** 1980;7(4):461–9

X-linked mental retardation: a study of 7 families. Jacobs PA, et al. **Am J Med Genet** 1980;7(4):471–89

Significance of phenotypic and chromosomal abnormalities in X-linked mental retardation (Martin-Bell or Renpenning syndrome). Jennings M, et al. **Am J Med Genet** 1980; 7(4):417–32

Nerve deafness: optic nerve atrophy, and dementia: a new X-linked recessive syndrome? Jensen PK. **Am J Med Genet** 1981;9(1):55–60

X-linked mental retardation with macro-orchidism and marker-X chromosomes. Martin RH, et al. **Am J Med Genet** 1980;7(4):433–41

Double trisomy 48,XXX,+ 18 in a newborn. Rosenfeld W, et al. **Am J Med Genet** 1981;8(1):67–71

Brief communication: possible X-linked anencephaly and spina bifida—report of a kindred. Toriello HV, et al. **Am J Med Genet** 1980;6(2):119–21

X-linked mental retardation. Turner G, et al. **Am J Med Genet** 1980;7(4):407–15 (80 ref.)

Nonreplication of linkage to X chromosome markers in bipolar illness [letter] Gershon ES. **Arch Gen Psychiatry** 1980 Oct;37(10):1200

X-chromosome markers in bipolar illness [letter] Mendlewicz J. **Arch Gen Psychiatry** 1981 Jun;38(6):719–20

Failure to find evidence for postmeiotic X-chromosomal coding for glucose-6-phosphate dehydrogenase in mouse sperm cells by cytophotometric analysis. Zimmermann N, et al. **Basic Appl Histochem** 1980;24(3):167–70

Familial resemblance for the Identical Blocks Test of spatial ability: no evidence for X linkage. Corley RP, et al. **Behav Genet** 1980 Mar;10(2):211–5

Language and cognitive development in 47,XXX females followed since birth. Pennington B, et al. **Behav Genet** 1980 Jan;10(1):31–41

Proteins of the Drosophila melanogaster male reproductive system: two-dimensional gel patterns of proteins synthesized in the XO, XY, and XYY testis and paragonial gland and evidence that the Y chromosome does not code for structural sperm proteins. Ingman-Baker J, et al. **Biochem Genet** 1980 Aug;18(7–8):809–28

X-linked dominant inheritance of partial phosphorylase kinase deficiency in mice. Varsányi M, et al. **Biochem Genet** 1980 Apr;18(3–4):247–61

Report of the committee on the genetic constitution of chromosomes 10, 11, 12, X, and Y. de la Chapelle A, et al. **Birth Defects** 1980;15(11):47–58

X-chromosomal nondisjunction induced by aging oocytes of Drosophila melanogaster: the special susceptibility of mature eggs. Traut H. **Can J Genet Cytol** 1980;22(3):433–7

An X-borne dominant mutation as a cause of nondisjunction in mothers of children with Down's syndrome [letter] Philippe P. **Can Med Assoc J** 1980 Sep 6;123(5):350, 355

Studies on functional subpopulations of B cells in mice. Correction of the immune defect of CBA/N mice by transfer of C3 receptor-bearing B cells. Lindsten T, et al. **Cell Immunol** 1981 Jul 1;61(2):386–96

Responses of spleen cells from mice with X-linked B-cell defect to polyclonal B-cell activators, purified protein derivative of tuberculin, and dextran sulfate. Nariuchi H, et al. **Cell Immunol** 1981 Jul 1;61(2):375–85

The link between dosage compensation and sex differentiation in Drosophila melanogaster. Lucchesi JC, et al. **Chromosoma** 1981;82(2):217–27

Primary and secondary nonrandom X chromosome inactivation in early female mouse embryos carrying Searle's translocation T(X; 16)16H. Takagi N. **Chromosoma** 1980;81(3):439–59

Prenatal diagnosis of X-linked diseases. **Clin Genet** 1980 Aug; 18(2):147–50 (26 ref.)

Roberts's syndrome. II. Aberrant Y-chromosome behavior. Louie E, et al. **Clin Genet** 1981 Jan;19(1):71–4

Complex chromosome rearrangements. Report of a new case and literature review. Pai GS, et al. **Clin Genet** 1980 Dec; 18(6):436–44

X-linked Dyggve-Melchior-Clausen syndrome. Yunis E, et al. **Clin Genet** 1980 Oct;18(4):284–90

Phenotypic heterogeneity in X-linked infantile agammaglobulinemia with in vitro monocyte suppression of immunoglobulin synthesis. Krantman HJ, et al. **Clin Immunol Immunopathol** 1981 Aug;20(2):170–8

Sample size for detection of Y-chromosomes in lymphocytes of possible freemartins. Dunn HO, et al. **Cornell Vet** 1981 Jul;71(3):297–304

Mapping a marsupial X chromosome using kangaroo-mouse somatic cell hybrids. Donald JA, et al. **Cytogenet Cell Genet** 1981;29(3):127–37

The gene map of the rabbit (Oryctolagus cuniculus L.) I. Synteny between the rabbit gene loci coding for HPRT, PGK, G6PD, and GLA: their localization on the X chromosome. Echard G, et al. **Cytogenet Cell Genet** 1981; 29(3):176–83

Cytological evidence for an inactive X chromosome in murine oogonia. Gartler SM, et al. **Cytogenet Cell Genet** 1980;28(3):203–7

The bovine genes for phosphoglycerate kinase, glucose-6-phosphate dehydrogenase, alpha-galactosidase, and hypoxanthine phosphoribosyltransferase are linked to the X chromosome in cattle-mouse cell hybrids. Shimizu N, et al. **Cytogenet Cell Genet** 1981;29(1):26–31

A 53,X female sheep (Ovis aries). Zartman DL, et al. **Cytogenet Cell Genet** 1981;30(1):54–8

Karyological studies of Bembidiinae (Coleoptera, Carabidae). I. Chromosome number and sex-determining system in six species of the genus Bembidion Latr. Rożek M. **Folia Biol (Krakow)** 1981;29(2):119–22

X chromosome activity in female germ cells of mice heterozygous for Searle's translocation T(X;16)16H. Johnston PG. **Genet Res** 1981 Jun;37(3):317–22

Controlling elements in the mouse. IV. Evidence of non-random X-inactivation. Johnston PG, et al. **Genet Res** 1981 Apr;37(2):151–60

Relationship between the parental origin of the X chromosomes, embryonic cell lineage and X chromosome expression in mice. Papaioannou VE, et al. **Genet Res** 1981 Apr;37(2):183–97

Effects of Y-chromosome variants on the male behaviour of the mouse Mus musculus. Stewart AD, et al. **Genet Res** 1980 Jun;35(3):261–8

Analysis of the autosomal mutation abo and its interaction with the ribosomal DNA or Drosophila melanogaster: the role of X-chromosome heterochromatin. Yedvobnick B, et al. **Genetics** 1980 Jul;95(3):661–72

Y-chromatin: method to study a take or rejection after bone marrow transplantation. Arnold R, et al. **Haematol Bluttransfus** 1981;25:411–6

Y-to-X chromosome translocation observed in two generations. Akesson HO, et al. **Hum Genet** 1980; 55(1):39–42

A synopsis of the human Y chromosome. Bühler EM. **Hum Genet** 1980;55(2):145–75 (249 ref.)

Further evidence against linkage between Christ-Siemens-Touraine (CST) and XG loci. Chautard-Freire-Maia EA, et al. **Hum Genet** 1981; 57(2):205–6

Clinical consequences of Xp- [letter] Egozcue J. **Hum Genet** 1980;55(1):141–2

Sex-linked recessive inheritance in Charcot-Marie-tooth disease with partial clinical manifestations in female carriers. Fryns JP, et al. **Hum Genet** 1980;55(3):413–5

A family with a satellited Yq chromosome. Giraldo A, et al. **Hum Genet** 1981;57(1):99–100

Mitotic and meiotic analysis of a reciprocal translocation t(Y;3) in an azoospermic male. Gonzales J, et al. **Hum Genet** 1981;57(1):111–4

Kinetics of DNA replication in a dicentric X chromosome formed by long arm to long arm fusion. Yu CW, et al. **Hum Genet** 1980;56(1):71–9

X-linked form of myopia. Bartsocas CS, et al. **Hum Hered** 1981;31(3):199–200

X-linked ichthyosis. Shapiro LJ. **Int J Dermatol** 1981 Jan–Feb;20(1):26–31 (28 ref.)

X-linkage in bipolar affective illness. Perspectives on genetic heterogeneity, pedigree analysis and the X-chromosome map. Baron M, et al. **J Affective Disord** 1981 Jun; 3(2):141–57 (30 ref.)

Inherited X chromosome linked thyroxine-binding globulin (TBG) deficiency in a homozygous female. Bigazzi M, et al. **J Endocrinol Invest** 1980 Oct–Dec;3(4):349–52

The xid gene controls Ia.W39-associated immune response gene function. Rosenwasser LJ, et al. **J Exp Med** 1981 May 1;153(5):1113–23

Radiation sensitivity of human natural killer cell activity: control by X-linked genes. Brovall C, et al. **J Immunol** 1981 Jun;126(6):2236–9

The role of an X-linked gene in the regulation of secondary humoral response kinetics to sperm-specific LDH-C4 antigens. Marsh JA, et al. **J Immunol** 1981 Jan;126(1):100–6

The penta-X syndrome. Monheit A, et al. **J Med Genet** 1980 Oct;17(5):392–6

45,X/46,XY/47,XY, +21 mosaicism in a hypogonadal phenotypic male. Sparagana M, et al. **J Med Genet** 1980 Aug;17(4):319–21

X-chromosome threshold models of bipolar manic-depressive illness. Van Eerdewegh MM, et al. **J Psychiatr Res** 1979;15(4):215–38

Phytohaemagglutinin as a molecular probe to study the membrane constituents of human X- and Y-bearing spermatozoa. Hegde UC, et al. **J Reprod Immunol** 1981 Mar;2(6):351–7

First cousin marriages and X-heterosis in women. Shami SA. **JPMA** 1981 Mar;31(3):55–9

Chromosome banding in X-linked mental retardation [letter] **Lancet** 1981 Feb 28;1(8218):494

Chromosome banding required for studies on X-linked mental retardation [letter] Leversha MA, et al. **Lancet** 1981 Jan 3;1(8210):49

Complete deletion of long arm of X chromosome in woman without Turner syndrome [letter] Teyssier JR, et al. **Lancet** 1981 May 23;1(8230):1158–9

Additional evidence for X–Y chromosome interchange in a 46,XX male. Butler MG, et al. **Nebr Med J** 1980 Dec; 65(12):330–3

The specific organisation of satellite DNA sequences on the X-chromosome of Mus musculus: partial independence of chromosome evolution. Brown SD, et al. **Nucleic Acids Res** 1980 Feb 25;8(4):781–92

Twin pregnancy in woman with 45,X/47,XXX karyotype. Kivinen S, et al. **Obstet Gynecol** 1980 Sep;56(3):401–2

H-Y antigen in XO/X,iso(X) mosaic Turner syndrome. Meade KW, et al. **Obstet Gynecol** 1981 May;57(5):594–9
Inactive X chromosome DNA does not function in DNA-mediated cell transformation for the hypoxanthine phosphoribosyltransferase gene. Liskay RM, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4895–8
Male tortoiseshell cats: an examination of testicular histology and chromosome complement. Long SE, et al. **Res Vet Sci** 1981 May;30(3):274–80
A marker chromosome in amniotic fluid cell culture [letter] Barnard AH, et al. **S Afr Med J** 1980 Nov 15;58(20):794
Fluorescing particles (F-bodies) in lymphocytes in chronic lymphocytic leukaemia resembling Y-bodies. Lisse IM, et al. **Scand J Haematol** 1980 Jul;25(1):93–5
Fluorescent Y-bodies in urinary sediments in patients with transitional cell tumours. Thomsen JL. **Scand J Urol Nephrol** 1980;14(2):157–60
Site-specific X-chromosome rearrangements from hybrid dysgenesis in Drosophila melanogaster. Berg R, et al. **Science** 1980 Oct;210(4468):427–9
Mammalian gonadal determination and gametogenesis. Gordon JW, et al. **Science** 1981 Mar 20;211(4488):1265–71 (88 ref.)
Reactivation of an inactive human X chromosome: evidence for X inactivation by DNA methylation. Mohandas T, et al. **Science** 1981 Jan 23;211(4480):393–6
Reversion of a mutation affecting the molecular weight of HGPRT: intragenic suppression and localization of X-linked genes. Fenwick RG Jr. **Somatic Cell Genet** 1980 Jul;6(4):477–94
XY gonadal dysgenesis in a heifer. Sharma AK, et al. **Vet Rec** 1980 Oct 4;107(14):328–30
[A chromosome study of 146 juvenile delinquents (author's transl)] Chuang SM, et al. **Taiwan I Hsueh Hui Tsa Chih** 1980 Dec;79(12):1102–8 (Eng. Abstr.) **(Chi)**
[A new case of pentasomy X] Schroeter C, et al. **Helv Paediatr Acta** 1980 Jul;35(3):233–41 (Eng. Abstr.) **(Ger)**
[Use and importance of photometric scanning to gonadal dysgenesis in concomitance with structural aberrations of the X-chromosome (author's transl)] Gaál M, et al. **Zentralbl Gynaekol** 1980;102(3):161–7 (Eng. Abstr.) **(Ger)**
[Iso-X chromosomes in primary amenorrhoea and Turner's syndrome - presentation by C-banding (author's transl)] Zernahle K. **Zentralbl Gynaekol** 1980;102(3):151–60 (Eng. Abstr.) **(Ger)**
[X-chromosomal congenital retinoschisis--its fundus polymorphism and visual function (author's transl)] Miyake Y, et al. **Nippon Ganka Gakkai Zasshi** 1981 Feb; 85(2):97–112 (Eng. Abstr.) **(Jpn)**
[X-linked ichthyosis--a study of 5 families (author's transl)] Saita B, et al. **Nippon Hifuka Gakkai Zasshi** 1980; 90(7):581–8 **(Jpn)**
[A case of SLE associated with Turner's syndrome of 45, XO/46, XXq+ mosaicism (author's transl)] Takegami T, et al. **Nippon Naika Gakkai Zasshi** 1980 Jul 10;69(7):861–6 **(Jpn)**
[Morphometric analysis of oculomotor, trochlear and abducent nerve roots from amyotrophic lateral sclerosis and X-linked recessive bulbar spinal muscular atrophy (author's transl)] Sobue G, et al. **No To Shinkei** 1981 Jun; 33(3):611–5 (Eng. Abstr.) **(Jpn)**
[A case of chronic myelocytic leukemia with Ph1 and missing Y chromosome (author's transl)] Ohta Y, et al. **Rinsho Ketsueki** 1980 Sep;21(9):1365–9 (Eng. Abstr.) **(Jpn)**

ANALYSIS

Isolation and characterization of cloned DNA sequences that hybridize to the human X chromosome. Wolf SF, et al. **Cell** 1980 Aug;21(1):95–102
Sexing of hair sheath cells using Y-chromosome fluorescence. King LA, et al. **J Forensic Sci Soc** 1980 Oct; 20(4):263–5
X chromatin and chromosome examination in aged women. Yen FF, et al. **Mech Ageing Dev** 1981 May;16(1):55–60
Isolation and characterization of cloned human DNA fragments carrying reiterated sequences common to both autosomes and the X chromosome. Schmeckpeper BJ, et al. **Nucleic Acids Res** 1981 Apr 24;9(8):1853–72
[The significance of nuclear Y-chromosome sex determination in forensic trace examination] Tröger HD, et al. **Beitr Gerichtl Med** 1980;38:259–61 (Eng. Abstr.) **(Ger)**

DRUG EFFECTS

FUdR induction of the X chromosome fragile site: evidence for the mechanism of folic acid and thymidine inhibition. Glover TW. **Am J Hum Genet** 1981 Mar;33(2):234–42
Studies on the X-chromosome of the nematode Panagrellus redivivus: EMS induced visible mutations. Burke DJ, et al. **Can J Genet Cytol** 1980;22(2):295–302
Cytogenetical action of Paracetamol on meiotic cells of male mice. Laxminarayana D, et al. **Cytobios** 1980;27(105):27–34
Sex-linked lethal mutations induced in Drosophila melanogaster by 7,12-dimethylbenz[a]anthracene. Forbes C. **Mutat Res** 1980 Nov;79(3):231–7
Inability of styrene to induce nondisjunction in Drosophila or a positive micronucleus test in the Chinese hamster. Penttilä M, et al. **Toxicol Lett** 1980 Jul;6(2):119–23
[Mitotic recombination in cleavage divisions of Drosophila melanogaster. V. Effect of ethylmethane sulfonate on female parents] Miasniankina EN, et al. **Genetika (Moskva)** 1980 Apr;16(4):622–7 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Gene for monoamine oxidase type A assigned to the human X chromosome. Pintar JE, et al. **J Neurosci** 1981 Feb; 1(2):166–75

IMMUNOLOGY

Radioimmunoassay reveals no anti-male specificity in putative H-Y antisera. Crichton DN, et al. **Clin Exp Immunol** 1980 Dec;42(3):597–602
[Transexuality and X-Y antigen (author's transl)] Eicher W, et al. **Geburtshilfe Frauenheilkd** 1980 Jun;40(6):529–40 (Eng. Abstr.) **(Ger)**

METABOLISM

On ribosomal gene compensation in Drosophila. Endow SA. **Cell** 1980 Nov;22(1 Pt 1):149–55
Conservation of replication chronology of homologous chromosome bands between four species of the genus Cebus and man. Couturier J, et al. **Cytogenet Cell Genet** 1981;29(4):233–40
Late replication patterns in adult and embryonic mice carrying Searle's X-autosome translocation. Disteche CM, et al. **Exp Cell Res** 1981 Jun;133(2):357–62

PHYSIOLOGY

The effect of X-chromosome deficiencies on neurogenesis in Drosophila. Campos-Ortega JA, et al. **Basic Life Sci** 1980;16:201–22
Preliminary evidence of genetic control of sex chromosomal synapsis in the mouse. Blecher SR, et al. **Can J Genet Cytol** 1981;23(1):155–7
Genetic activity of X chromosomes in pluripotent female teratocarcinoma cells and their differentiated progeny. McBurney MW, et al. **Cell** 1980 Sep;21(2):357–64
In situ transcription analysis of chromatin template activity of the S-chromosome of Drosophila following high molar NaCl treatment. Chatterjee RN, et al. **Chromosoma** 1981; 82(4):515–23
Dosage compensation of x-chromosome activity in interspecific hybrids of Drosophila melanogaster and D. simulans. Lakhotia SC, et al. **Chromosoma** 1981; 82(2):229–36
Conserved sex-chromosome-associated nucleotide sequences in eukaryotes. Singh L, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 2:805–14
Flow sorting of the mouse Cattanach X chromosome, T (X; 7) 1 Ct, in an active or inactive state. Disteche CM, et al. **Cytogenet Cell Genet** 1981;29(4):189–97
A search for a genetic basis for gonosomal univalency in mice. Gollapudi BB, et al. **Cytogenet Cell Genet** 1981; 29(4):241–9
High frequency fo X-Y chromosome dissociation in primary spermatocytes of F1 hybrids between Japanese wild mice (Mus musculus molossinus) and inbred laboratory mice. Imai HT, et al. **Cytogenet Cell Genet** 1981;29(3):166–75
No extinction of tyrosine aminotransferase inducibility in rat hepatoma-human fibroblast hybrids containing the human X chromosome. Sellem C, et al. **Cytogenet Cell Genet** 1981; 30(1):47–9
Defective neural development in Drosophila melanogaster embryos deficient for the tip of the X chromosome. White K. **Dev Biol** 1980 Dec;80(2):332–44
Role of nonhistone chromosomal protein in attainment of hyper-activity of X chromosome of male Drosophila: a quantitative cytochemical study. Chatterjee RN, et al. **Indian J Exp Biol** 1980 Jun;18(6):574–5
Nonrandom chromosome segregation in Neocurtilla (Gryllotalpa) hexadactyla: an ultrastructural study. Kubai DF, et al. **J Cell Biol** 1981 Feb;88(2):281–93
Chromosomal basis of dosage compensation in Drosophila. X. Assessment of hyperactivity of the male X in situ. Chatterjee RN, et al. **J Cell Sci** 1981 Feb;47:295–309
The Y chromosome and primary sexual differentiation. Bernstein R. **JAMA** 1981 May 15;245(19):1953–6
Sequential X chromosome inactivation coupled with cellular differentiation in early mouse embryos. Monk M, et al. **Nature** 1979 Sep 27;281(5729):311–3
X-chromosome inactivation in extra-embryonic membranes of diploid parthenogenetic mouse embryos demonstrated by differential staining. Rastan S, et al. **Nature** 1980 Nov 13;288(5787):172–3
X chromosome reactivation in oocytes of Mus caroli. Kratzer PG, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):3093–7
Expression of an X-linked gene from an inactive human X chromosome in mouse-human hybrid cells: further evidence for the noninactivation of the steroid sulfatase locus in man. Mohandas T, et al. **Proc Natl Acad Sci USA** 1980 Nov;77(11):6759–63

RADIATION EFFECTS

Complex Y-linked translocations in Delia antiqua produced by irradiation of a fertile Y-linked translocation. Robinson AS, et al. **Heredity (Edinburgh)** 1981 Feb;46(1):41–8
X-ray induced sex-chromosome loss, when ring-X chromosome males are irradiated and mated to females carrying mei-9, mei-41 or mei-218. Aaron CS, et al. **Mutat Res** 1981 Jul;82(2):381–8
A genetic study of the effects of the repair-deficient mei-9a mutation in Drosophila on spontaneous and X-ray-induced paternal sex chromosome loss. Cooper SF, et al. **Mutat Res** 1981 Feb;80(2):281–7
Further studies on effects of X-irradiation on prespermatid stages of the Northern vole Microtus oeconomus: low induction of sex-chromosomal nondisjunction and very high induction of diploid spermatids. Tates AD, et al. **Mutat Res** 1981 Jul;82(2):323–30
Effect of hyperthermia upon radiation-induced chromosome loss in mutagen-sensitive Drosophila melanogaster. Mittler S. **Radiat Res** 1981 Apr;86(1):91–101
[Effect of the dynamic factors of space flight on the mutagenic effect of radiation. II. Development of recessive lethals and loss of X-chromosomes in Drosophila melanogaster oocytes] Kogan IG, et al. **Genetika (Moskva)** 1981;17(3):455–9 (Eng. Abstr.) **(Rus)**
[Mitotic recombination in cleavage divisions of Drosophila melanogaster. IV. Effect induced by radiation in female parents] Miasniankina EN, et al. **Genetika (Moskva)** 1980 Apr;16(4):614–21 (Eng. Abstr.) **(Rus)**

ULTRASTRUCTURE

Pseudo-drumsticks in granulocytes of a male with a Yqh+ polymorphism. Moore CM, et al. **Am J Hematol** 1980; 8(4):411–4
Dicentric Y chromosome arising via tandem translocation. Herva R, et al. **Am J Med Genet** 1980;7(2):115–22
Fragile sites in human chromosomes II: demonstration of the fragile site Xq27 in carriers of X-linked mental retardation. Howard-Peebles PN. **Am J Med Genet** 1980;7(4):497–501
Fragile X-linked mental retardation [letter] Kaiser-McCaw B, et al. **Am J Med Genet** 1980;7(4):503–5
Identification of chromosome markers in interphase nuclei. Marchi A, et al. **Basic Appl Histochem** 1981;25(2):105–11
Gonosome-autosome translocations in fowl: meiotic configurations and chiasma counts from singly and doubly heterozygous cockerels. Blazak WF, et al. **Can J Genet Cytol** 1980;22(3):343–51
Cytogenetic analysis of the 2B3-4--2B11 region of the X-chromosome of Drosophila melanogaster. I. Cytology of the region and mutant complementation groups. Belyaeva ES, et al. **Chromosoma** 1980;81(2):281–306
Meiosis in Sxr male mice. I. Does a Y-autosome rearrangement exist in sex-reversed (Sxr) mice? Chandley AC, et al. **Chromosoma** 1980;81(1):9–17
Meiosis in Sxr male mice: II. Further absence of cytological evidence for a Y-autosome rearrangement in sex-reversed (Sxr) mice. Evans EP, et al. **Chromosoma** 1980;81(1):19–26
XY pair associates with the synaptonemal complex of autosomal male-sterile translocations in pachytene spermatocytes of the mouse (Mus musculus). Forejt J, et al. **Chromosoma** 1981;82(1):41–53
Undercondensation and localized euchromatinization of the x chromosome in the grasshopper Melanoplus femur-rubrum. Nur U. **Chromosoma** 1981;82(3):353–65
Synaptonemal complex of the sex-autosome trivalent in a male indian muntjac. Pathak S, et al. **Chromosoma** 1981; 82(3):367–76
Fine cytogenetical analysis of the band 10A1-2 and the adjoining regions in the Drosophila melanogaster X chromosome. II. Genetical analysis. Zhimulev IF, et al. **Chromosoma** 1981;82(1):25–40
Fine cytogenetical analysis of the band 10A1-2 and the adjoining regions in the Drosophila melanogaster X chromosome. I. Cytology of the region and mapping of chromosome rearrangement. Zhimulev IF, et al. **Chromosoma** 1981;82(1):9–23
Heteromorphic sex chromosomes in three species of the genus Leporinus (Pisces, Anostomidae). Galetti PM Jr, et al. **Cytogenet Cell Genet** 1981;29(3):138–42
An (X;11) translocation in a girl with Duchenne muscular dystrophy. Repository identification No. GM1695. Greenstein RM, et al. **Cytogenet Cell Genet** 1980;27(4):268
NOR-bearing Y chromosome in a primate, Hylobates (Symphalangus) syndactylus. Ledbetter DH. **Cytogenet Cell Genet** 1981;29(4):250–2
Somatic pairings of the Y heterochromatin in human XYY and XYqi cells. Schmid M, et al. **Cytogenet Cell Genet** 1981; 29(4):203–14
Local decondensation of chromatic at the surface of meiotic chromosomes during anaphase movement. Fuge H. **Eur J Cell Biol** 1980 Dec;23(1):166–70
A frog with highly evolved sex chromosomes. Schmid M, et al. **Experientia** 1981 Mar 15;37(3):243–5
The effect of temperature on Y-chromosome detection in blood stains. Thomsen JL. **Forensic Sci Int** 1980 Sep-Oct; 16(2):139–43
An investigation of some of the factors influencing the results of Y-chromosome detection in blood stains. Thomsen JL. **Forensic Sci Int** 1980 Sep-Oct;16(2):111–7
Meiotic behavior of compound autosomes in females of Drosophila melanogaster: interchromosomal effects and the source of spontaneous nonsegregation. Harger H, et al. **Genetics** 1980 Oct;96(2):455–70
Structural anomalies of the X chromosome and inactivation center. Mattei MG, et al. **Hum Genet** 1981;56(3):401–8
The Turner phenotype and the different types of human x

isochromosome. Otto PG, et al. **Hum Genet** 1981; 57(2):159–64

Regional assignment of a 2.1-kb repetitive sequence to the distal part of the human Y heterochromatin. Schmidtke J, et al. **Hum Genet** 1980;55(2):255–7

XX/'XO' sex determination system in a population of Peruvian owl monkey, Aotus. Ma NS, et al. **J Hered** 1980 Sep–Oct;71(5):336–42

Increase in the amount of fetal lymphocytes in maternal blood during pregnancy. Assche EL, et al. **J Med Genet** 1980 Aug;17(4):267–72

Segregation of an X ring chromosome in two generations. Dallapiccola B, et al. **J Med Genet** 1980 Aug;17(4):306–8

Localisation of male determining factors in man: a thorough review of structural anomalies of the Y chromosome. Davis RM. **J Med Genet** 1981 Jun;18(3):161–95 (339 ref.)

Cytogenetic and clinical studies in gonadal dysgenesis with 46,X,Xt(qter leads to p221::p223 leads to qter) karyotype: review and phenotype/karyotype correlations. Ferraro M, et al. **J Med Genet** 1980 Dec;17(6):457–63

Sequential staining of euchromatic and heterochromatic regions of the human Y chromosome. Goyanes VJ. **J Med Genet** 1980 Dec;17(6):468–71

Prenatal diagnosis of a de novo non-fluorescent Y chromosome. Priest JH, et al. **J Med Genet** 1980 Aug; 17(4):314–6

Structural aberration of the X chromosome in a patient with gonadal dysgenesis: an approach to karyotype–phenotype correlation. Varella-Garcia M, et al. **J Med Genet** 1981 Jun;18(3):228–30

Incomplete sex chromosome pairing of oligospermic male hybrids of Mus musculus and M. musculus molossinus in relation to the source of the Y chromosome and the presence or absence of a reciprocal translocation. de Boer P, et al. **J Reprod Fertil** 1981 May;62(1):235–43

Sources of error in fragile-X determination [letter] **Lancet** 1981 Mar 7;1(8219):556–7

Fragile X in a normal male: a cautionary tale [letter] Daker MG, et al. **Lancet** 1981 Apr 4;1(8223):780

Comparative gene mapping: order of loci on the X chromosome is different in mice and humans. Francke U, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3595–9

A human X-linked antigen defined by a monoclonal antibody. Goodfellow P, et al. **Somatic Cell Genet** 1980 Nov;6(6):777–87

Demonstration of axial elements of sex vesicles of spermatocytes using Coomassie brilliant blue. Wang HC, et al. **Stain Technol** 1981 Jan;56(1):19–23

[RV polymorphism of the chromosomes in newborn infants] Krachunova M, et al. **Eksp Med Morfol** 1980;19(3):144–8 (Eng. Abstr.) **(Bul)**

[Cytogenic study of Lophocebus albigena (Primate Catarrhini Cercopithecidae). Description of a male karyotype] Dugoujon JM, et al. **C R Acad Sci [D] (Paris)** 1980 Nov 17;291(10):821–3 (Eng. Abstr.) **(Fre)**

[Comparative analysis of the polymorphism of the heterochromatic regions of chromosomes 1, 9, 16 and Y in healthy children and children with mild forms of mental retardation] Sushanlo KhM, et al. **Genetika (Moskva)** 1981; 17(4):726–31 **(Rus)**

[Y-chromatin in the oral cavity epithelia of men with pigmented skin neoplasms] Kireeva SS. **Lab Delo** 1981; (1):17–9 (Eng. Abstr.) **(Rus)**

SEX DETERMINATION

see related

SEX CHROMATIN

Accuracy of fetal sex determination by ultrasound. Weldner BM. **Acta Obstet Gynecol Scand** 1981;60(3):333–4

Sonographic determination of fetal gender. Scholly TA, et al. **AJR** 1980 Dec;135(6):1161–5

Changes in maternal serum total and free androgen levels in early pregnancy: lack of correlation with fetal sex. Glass AR, et al. **Am J Obstet Gynecol** 1981 Jul 15;140(6):656–60

Prenatal diagnosis of fetal sex by amniotic fluid testosterone and FSH, and their potential use in detecting sex linked disorders. Wong PY, et al. **Clin Biochem** 1980 Jun; 13(3):135–8

Immunogenetics of sex determination of the polled goat. Shalev A, et al. **Cytogenet Cell Genet** 1980;28(3):195–202

Sexual phenotype and vitellogenin synthesis in Drosophila melanogaster. Postlethwait JH, et al. **Dev Biol** 1980 Oct; 79(2):379–87

The historical development of 'Time Law of Intersexuality' and its philosophical implications. Allen GE. **Experientia [Suppl]** 1980;Suppl 35:41–7

Views on sex determination. Littlefield CL, et al. **Experientia [Suppl]** 1980;Suppl 35:49–63

Maternal serum human chorionic gonadotropin concentrations and fetal sex prediction. Danzer H, et al. **Fertil Steril** 1980 Oct;34(4):336–40

Karyological studies of Bembidiinae (Coleoptera, Carabidae). I. Chromosome number and sex-determining system in six species of the genus Bembidion Latr. Rożek M. **Folia Biol (Krakow)** 1981;29(2):119–22

Sex determination from plucked human hairs without epithelial root sheath. III. Fluorescent feulgen reaction using acriflavine. Nagamori H, et al. **Forensic Sci Int** 1981 Jan–Feb;17(1):85–90

Population dynamics and the evolution of sex-determination in lemmings. Carothers AD. **Genet Res** 1980 Oct; 36(2):199–209

More sex-determination mutants of Caenorhabditis elegans. Hodgkin J. **Genetics** 1980 Nov;96(3):649–64

Prenatal sex prediction by radioimmunoassay of amniotic fluid follicle stimulating hormone (AF-FSH). Patil KP, et al. **Indian J Pathol Microbiol** 1980 Jul;23(3):185–8A

Mosaic male honey bees produced by queens inseminated with frozen spermatozoa. Harbo JR. **J Hered** 1980 Nov–Dec;71(6):435–6

Localisation of male determining factors in man: a thorough review of structural anomalies of the Y chromosome. Davis RM. **J Med Genet** 1981 Jun;18(3):161–95 (339 ref.)

Laparoscopic examination to determine sex in monomorphic avian species. Burr EW, et al. **J S Afr Vet Assoc** 1981 Mar;52(1):45–7

Primary sex determination: genetics and biochemistry. Hall JL, et al. **Mol Cell Biochem** 1980 Dec 10;33(1–2):49–66 (70 ref.)

Mammalian gonadal determination and gametogenesis. Gordon JW, et al. **Science** 1981 Mar 20;211(4488):1265–71 (88 ref.)

Mechanisms of gonadal differentiation. Haseltine FP, et al. **Science** 1981 Mar 20;211(4488):1272–8 (63 ref.)

Boy or girl—by real time ultrasound. Chew SC. **Singapore Med J** 1981 Feb;22(1):32–4

[Prenatal diagnosis of sex by determination of amniotic testosterone and FSH] Dodinval P, et al. **J Genet Hum** 1980 Sep;28(3):207–12 (Eng. Abstr.) **(Fre)**

[Ultrasound determination of the foetal sex (author's transl)] Juhel P, et al. **Nouv Presse Med** 1981 Feb 28;10(9):705–7 (Eng. Abstr.) **(Fre)**

[The significance of nuclear Y-chromosome sex determination in forensic trace examination] Tröger HD, et al. **Beitr Gerichtl Med** 1980;38:259–61 (Eng. Abstr.) **(Ger)**

[H-Y-antigen and sex determination (author's transl)] Bühler-Zdansky E. **Praxis** 1981 Feb 10;70(7):229–40 (20 ref.) (Eng. Abstr.) **(Ger)**

[The pars petrosa as diagnostic aid in multivariate biometric sex determination of creamated human remains] Wahl J, et al. **Z Morphol Anthropol** 1980;70(3):258–68 (Eng. Abstr.) **(Ger)**

[The measurement of testosterone content of blood stains for the criminalistic determination of sex (author's transl)] Szendrényi J, et al. **Z Rechtsmed** 1980;85(4):263–7 (Eng. Abstr.) **(Ger)**

[Male and female and the Australia antigen: the hepatitis B virus and the sex of the offspring (author's transl)] Cohen L, et al. **Harefuah** 1980 Feb 1;98(3):138–9 **(Heb)**

[Histological study of chorion frondosum sections for prenatal sex determination in the 1st pregnancy trimester] Kirpátovszkájá NA, et al. **Orv Hetil** 1980 Dec 14; 121(50):3057–9 **(Hun)**

[Problems connected with sex determination, differentiation and development] Faggiano M, et al. **Arch Ostet Ginecol** 1979 Jan–Feb;84(1–2):31–74 (82 ref.) (Eng. Abstr.) **(Ita)**

[Prenatal diagnosis of sex using ultrasounds] Conti M, et al. **Minerva Ginecol** 1980 Nov;32(11):991–1002 (Eng. Abstr.) **(Ita)**

[The determination of fetal sex by real-time echography] D'Addario V, et al. **Minerva Ginecol** 1980 Nov; 32(11):1001–2 (Eng. Abstr.) **(Ita)**

[Prenatal diagnosis of fetal sex with real time ultrasonography] Giorlandino C, et al. **Minerva Ginecol** 1980 Sep;32(9):759–62 (Eng. Abstr.) **(Ita)**

[Relation between sex of the fetus and psychiatric pathology in the mother] Calandra C, et al. **Minerva Psichiatr** 1979 Jul–Sep;20(3):169–75 (Eng. Abstr.) **(Ita)**

[Relation between chorionic gonadotropin excretion and fetal sex] Czevári Sz, et al. **Akush Ginekol (Mosk)** 1981 Jan; (1):32–3 **(Rus)**

[Fetal sex determination in the 1st pregnancy trimester] Rozovskiĭ IS, et al. **Akush Ginekol (Mosk)** 1980 Aug; (8):35–7 (Eng. Abstr.) **(Rus)**

[Rapid method of studying X- and Y-chromatin in embryonic tissues] Novikova LN. **Tsitologiia** 1981 Jan; 23(1):107–9 **(Rus)**

[Doping control at the Eighth Mediterranean Games (author's transl)] Rumboldt Z, et al. **Lijec Vjesn** 1980 May; 102(5):261–8 (Eng. Abstr.) **(Scr)**

[Diagnostic problems in infants with asymmetrical gonadal dysgenesis] Kluka V, et al. **Cesk Pediatr** 1981 Feb; 36(2):65–8 (Eng. Abstr.) **(Slo)**

METHODS

The 'female echo': prenatal determination of the female fetus by ultrasound. Schotten A, et al. **Am J Obstet Gynecol** 1980 Oct 15;138(4):463–4

[A contribution towards metrical sex determination of cremated and uncremated human bone remains, worked out at the pars petrosa ossis temporalis (author's transl)] Wahl J. **Z Rechtsmed** 1981;86(2):79–101 (Eng. Abstr.) **(Ger)**

[Determination of fetal sexes by ultrasonic tomography (author's transl)] Natsuyama E, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Nov; 32(11):1829–38 (Eng. Abstr.) **(Jpn)**

SEX DEVIATIONS see **PARAPHILIAS**

SEX DIFFERENTIATION

The initial phases of testicular organogenesis in the rat. An electron microscopy study. Magre S, et al. **Arch Anat Microsc Morphol Exp** 1980;69(4):297–318

Serum testosterone concentrations in embryonic and fetal pigs during sexual differentiation. Ford JJ, et al. **Biol Reprod** 1980 Oct;23(3):583–7

Reproduction in a population of chimeric mice: relationship of chromosomal sex to functional germ cells and proportions of chimeric components in several tissues. Gearhart J, et al. **Biol Reprod** 1981 May;24(4):713–22

The establishment and sexual differentiation of the horse gonad. Merchant-Larios. **Bol Estud Med Biol** 1980 Jan–Apr;31(1–2):3–23

Organizational action of estrogen on synaptic pattern in the amygdala: implications for sexual differentiation of the brain. Nishizuka M, et al. **Brain Res** 1981 Jun 1;213(2):422–6

A morphological and experimental study of gonadal sex differentiation in the rainbow trout, Salmo gairdneri. van den Hurk R, et al. **Cell Tissue Res** 1981;218(3):487–97

The link between dosage compensation and sex differentiation in Drosophila melanogaster. Lucchesi JC, et al. **Chromosoma** 1981;82(2):217–27

Conserved sex-chromosome-associated nucleotide sequences in eukaryotes. Singh L, et al. **Cold Spring Harbor Symp Quant Biol** 1980;45 Pt 2:805–14

Postnatal development, sexual difference and sexual cyclic variation of prolactin cells in rats: special reference to the topographic affinity to gonadotroph. Sato S. **Endocrinol Jpn** 1980 Oct;27(5):573–83

Critical evaluation of the current concept of brain differentiation – relevance for the primate brain. Neumann F, et al. **Exp Brain Res** 1981;Suppl 3:246–61

Molecular differentiation of the mouse genital tract: serum-free organ culture system for morphological and biochemical correlations. Newbold RR, et al. **In Vitro** 1981 Jan;17(1):51–4

Evidence for the existence of a sexually dimorphic nucleus in the preoptic area of the rat. Gorski RA, et al. **J Comp Neurol** 1980 Sep 15;193(2):529–39

Ontogeny of the sexually dimorphic nucleus of the preoptic area. Jacobson CD, et al. **J Comp Neurol** 1980 Sep 15; 193(2):541–8

Neurogenesis of the sexually dimorphic nucleus of the preoptic area in the rat. Jacobson CD, et al. **J Comp Neurol** 1981 Mar 1;196(3):519–29

Gonado-pituitary relationships in the fetal mouse at various times during sexual differentiation. Pointis G, et al. **J Endocrinol** 1980 Sep;86(3):483–8

The endocrine basis of sexual development in the chimpanzee. Winter JS, et al. **J Reprod Fertil [Suppl]** 1980; Suppl 28:131–8 (17 ref.)

The Y chromosome and primary sexual differentiation. Bernstein R. **JAMA** 1981 May 15;245(19):1953–6

Sexual differentiation of the brain [news] McEwen BS. **Nature** 1981 Jun 25;291(5817):610

Testosterone: a major determinant of extragenital sexual dimorphism. Bardin CW, et al. **Science** 1981 Mar 20; 211(4488):1285–94 (133 ref.)

Mammalian gonadal determination and gametogenesis. Gordon JW, et al. **Science** 1981 Mar 20;211(4488):1265–71 (88 ref.)

Mechanisms of gonadal differentiation. Haseltine FP, et al. **Science** 1981 Mar 20;211(4488):1272–8 (63 ref.)

Neural gonadal steroid actions. McEwen BS. **Science** 1981 Mar 20;211(4488):1303–11 (88 ref.)

Sexual differentiation of the central nervous system. MacLusky NJ, et al. **Science** 1981 Mar 20; 211(4488):1294–302 (108 ref.)

The hormonal control of sexual development. Wilson JD, et al. **Science** 1981 Mar 20;211(4488):1278–84 (38 ref.)

[Problems of sexual differentiation] Lisá L. **Cesk Pediatr** 1981 Mar;36(3):138–40 **(Cze)**

[Sex differentiation and its anomalies. Montpellier, 2 July 1979. Symposium] **Ann Endocrinol (Paris)** 1980; 41(4):263–353 **(Fre)**

[Experimental studies on the sexual differentiation in some pectinid mollusc (Lamellibranchs) (author's transl)] Lubet P, et al. **Arch Anat Microsc Morphol Exp** 1981;70(1):47–58 (Eng. Abstr.) **(Fre)**

[Morphological and quantitative study of induced sex reversal in Rana esculenta tadpoles] Zaccanti F, et al. **Arch Ital Anat Embriol** 1979;84(4):375–88 (Eng. Abstr.) **(Ita)**

[Problems connected with sex determination, differentiation and development] Faggiano M, et al. **Arch Ostet Ginecol** 1979 Jan–Feb;84(1–2):31–74 (82 ref.) (Eng. Abstr.) **(Ita)**

[Sexual dimorphism and synaptic plasticity in the neuroendocrine hypothalamus (author's transl)] Arai Y. **Horumon To Rinsho** 1980 Apr;28(4):416–8 **(Jpn)**

[The role of H-Y antigen in primary sex determination of mammals (author's transl)] Nagai Y. **Tanpakushitsu Kakusan Koso** 1980;25(5):344–58 (38 ref.) **(Jpn)**

[Absorption of 1 alpha, 2 alpha-3H(n)-testosterone and 4-140-estradiol by reproductive tract primordia of rabbit embryos in vitro] Ivanova EA. **Biull Eksp Biol Med** 1981 Feb;91(2):218–9 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Disturbances in sexual differentiation of rat foetuses following spironolactone treatment. Hecker A, et al. **Acta Endocrinol (Copenh)** 1980 Dec;95(4):540–5

Effects of perinatal alcohol on sexual differentiation and open-field behavior in rats. Chen JJ, et al. **Horm Behav** 1979 Dec;13(3):219–31

Attenuating the defeminization of the neonatal rat brain: mechanisms of action of cyproterone acetate, 1,4,6-androstatriene-3,17,-dione and a synthetic progestin, R5020. McEwen BS, et al. **Horm Behav** 1979 Dec; 13(3):269–81

The role of aromatization in the development of sexual behavior of the female hamster (Mesocricetus auratus). Ruppert PH, et al. **Horm Behav** 1981 Mar;15(1):68–76

Role of aromatization in sexual differentiation: effects of prenatal ATD treatment and neonatal castration. Whalen RE, et al. **Horm Behav** 1981 Jun;15(2):107–22

Neonatal treatment with testosterone proprionate or diethylstilbestrol alters sex differentiation of 5 alpha-reductase and 16 alpha-hydroxylase. Dieringer CS, et al. **J Steroid Biochem** 1980 Dec;13(12):1449–53

Masculinization diminished by disruption of prenatal estrogen biosynthesis in male rats. Gladue BA, et al. **Physiol Behav** 1980 Oct;25(4):589–93

SEX DIFFERENTIATION DISORDERS

see related

TRANSSEXUALISM

[Sex differentiation and its anomalies. Montpellier, 2 July 1979. Symposium] **Ann Endocrinol (Paris)** 1980; 41(4):263–353 **(Fre)**

[Problems connected with sex determination, differentiation and development] Faggiano M, et al. **Arch Ostet Ginecol** 1979 Jan-Feb;84(1-2):31–74 (82 ref.) (Eng. Abstr.) **(Ita)**

BLOOD

[Testosterone level of blood in androgen-dependent gonadal disorders] Demchenko VN, et al. **Probl Endokrinol (Mosk)** 1980 Jul-Aug;26(4):29–32 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

[Use of the urocytogram in sexual ambiguities before puberty] Le Bars S, et al. **Bull Assoc Anat (Nancy)** 1979 Dec; 63(183):459–69 (Eng. Abstr.) **(Fre)**

EMBRYOLOGY

Embryologie of genital malformations. Guidelines in diagnosis and treatment of intersex. von Petrykowski W. **Monogr Paediatr** 1981;12:1–32 (28 ref.)

[Problems of sexual differentiation] Lisá L. **Cesk Pediatr** 1981 Mar;36(3):138–40 **(Cze)**

FAMILIAL & GENETIC

Meiosis in Sxr male mice. I. Does a Y-autosome rearrangement exist in sex-reversed (Sxr) mice? Chandley AC, et al. **Chromosoma** 1980;81(1):9–17

Meiosis in Sxr male mice: II. Further absence of cytological evidence for a Y-autosome rearrangement in sex-reversed (Sxr) mice. Evans EP, et al. **Chromosoma** 1980;81(1):19–26

XX male with breast cancer. Giammarini A, et al. **Clin Genet** 1980 Aug;18(2):103–8

Abnormalities of sexual differentiation in campomelic dwarfs. Pauli RM, et al. **Clin Genet** 1980 Sep;18(3):223–5

Demonstration of 2n spermatids in carriers of the 'sex reversed' factor in the mouse by Feulgen cytophotometry. Hannappel E, et al. **Histochemistry** 1980;69(3):299–306

[Persistence of Muller's ducts in the male. A family observation (author's transl)] Mitre AI, et al. **J Urol (Paris)** 1980;86(7):539–43 (Eng. Abstr.) **(Fre)**

[Mental retardation and sexual development in chromosomal syndrome (author's transl)] Balestrazzi P, et al. **Ateneo Parmense [Acta Biomed]** 1980;51(1):45–51 (Eng. Abstr.) **(Ita)**

[Genetics of human sexual developmental anomalies] Benikova EA, et al. **Tsitol Genet** 1981;15(3):73–6 **(Rus)**

METABOLISM

[Hereditary in the pathology of cell receptors] Brunecký Z. **Vnitr Lek** 1980 Oct;26(10):1007–15 (Eng. Abstr.) **(Cze)**

PHYSIOPATHOLOGY

[Disorders of sexual differentiation in infants and children. Physiopathological studies (author's transl)] Forest MG, et al. **Ann Endocrinol (Paris)** 1980 Nov-Dec;41(6):545–53 (Eng. Abstr.) **(Fre)**

SURGERY

Sex reversal in childhood. Theoretical and psychological aspects. Galatzer A, et al. **Acta Paediatr Belg** 1981 Jan-Mar; 34(1):33–41

Surgical treatment of intersex. Altwein JE. **Monogr Paediatr** 1981;12:62–79

Evaluation and management of the child with ambiguous genitalia. Eickenberg HU, et al. **Monogr Paediatr** 1981; 12:55–61

SEX DISORDERS

One of the 'least understood areas of sexuality' [editorial] Colp R Jr, et al. **Arch Intern Med** 1981 Mar;141(4):424–5

[Statistical analysis on andrological patients. I. Frequencies] Nebe KH, et al. **Andrologia** 1980 Jul-Aug;12(4):360–72 (Eng. Abstr.) **(Ger)**

[Sexual disorders] Last G. **Ther Ggw** 1981 May; 120(5):399–421 **(Ger)**

BLOOD

Plasma testosterone levels of sexually functional and dysfunctional men. Schwartz MF, et al. **Arch Sex Behav** 1980 Oct;9(5):355–66

[Biotype, testosterone and dihydrotestosterone in premature ejaculation and erection disorders] Godlewski J, et al. **Pol Tyg Lek** 1980 Dec 1;35(48):1857–9 (Eng. Abstr.) **(Pol)**

CHEMICALLY INDUCED

Hypersexuality in men receiving fluphenazine decanoate [letter] Gomez EA. **Am J Psychiatry** 1981 Sep;138(9):1263

Cardiovascular drugs and sexuality: a cardiologist's review. Papadopoulos C. **Arch Intern Med** 1980 Oct;140(10):1341–5

Failure of ejaculation with indoramin. Pentland B, et al. **Br Med J [Clin Res]** 1981 May 2;282(6274):1433–4

Drugs that cause sexual dysfunction. **Med Lett Drugs Ther** 1980 Dec 12;22(25):108–10 (28 ref.)

CLASSIFICATION

Couple interactional classification of sexual dysfunction--a new theoretical conceptualization. Safir MP, et al. **J Sex Marital Ther** 1980 Summer;6(2):129–34

[New classification of sex disorders] Imieliński K. **Ginekol Pol** 1980 Aug;51(8):689–94 **(Pol)**

DIAGNOSIS

Taking the sexual history. Alexander B. **Am Fam Physician** 1981 Mar;23(3):147–51

Diagnosing sex problems in general practice. Gill C. **Br Med J [Clin Res]** 1981 Mar 21;282(6268):955–6

A circumvaginal muscle nomogram: a new diagnostic tool for evaluation of female sexual dysfunction. Graber B, et al. **J Clin Psychiatry** 1981 Apr;42(4):157–61

Female sexual problems. Levine SB. **Med Times** 1981 Jul; 109(7):23s–35s

Male sexual problems. Levine SB. **Med Times** 1981 Jun; 109(6):1s–4s, 13s–14s

Sexual dysfunction evaluated in sleep labs. Fishkin RE. **Pa Med** 1980 Oct;83(10):36–40

Sexual problems: current approaches in primary care practice. Rosen RC, et al. **Postgrad Med** 1981 Jun; 69(6):127–9, 132–4

[Diagnostic profile of 1,000 patients in a sexological clinic] Godlewski J, et al. **Wiad Lek** 1980 Oct 15;33(20):1633–6 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

An assessment of clomipramine (Anafranil) in the treatment of premature ejaculation. Goodman RE. **J Int Med Res** 1980;8 Suppl 3:53–9

Drug treatment of sexual dysfunction. **Mod Probl Pharmacopsychiatry** 1980;15:1–194

Pharmacotherapy for sexual offenders: review of the action of antiandrogens with special reference to their psychic effects. Herrmann WM, et al. **Mod Probl Pharmacopsychiatry** 1980;15:182–94 (31 ref.)

Effect of zinc therapy on sexual dysfunction in hemodialysis patients. Mahajan SK, et al. **Trans Am Soc Artif Intern Organs** 1980;26:139–41

[Treatment of retrograde ejaculation and anorgasm with an alpha-sympathomimetic agent (Midodrin)] Schwale M, et al. **Z Hautkr** 1980 Jun 1;55(11):756–9 **(Ger)**

ETIOLOGY

Sexual and hypothalamic dysfunction in the postconcussional syndrome. Kosteljanetz M, et al. **Acta Neurol Scand** 1981 Mar;63(3):169–80

Sexual response after hysterectomy-oophorectomy: recent studies and reconsideration of psychogenesis. Zussman L, et al. **Am J Obstet Gynecol** 1981 Aug 1;140(7):725–9

Sexual functioning in stroke survivors. Bray GP, et al. **Arch Phys Med Rehabil** 1981 Jun;62(6):286–8

Marital conflict and sexual dysfunction in alcoholic and non-alcoholic couples. Chiles JA, et al. **Br J Psychiatry** 1980 Sep;137:266–73

A prospective study of sexual function after major colorectal surgery. Williams JT, et al. **Br J Surg** 1980 Nov; 67(11):772–4

Non-organic causes of sexual problems. Stanley E. **Br Med J [Clin Res]** 1981 Mar 28;282(6269):1042–4

Gonadal and sexual functions in tortured Greek men. Lunde I, et al. **Dan Med Bull** 1980 Nov;27(5):243–5

Evaluation of sexual dysfunction in the female following rectal resection and intestinal stoma. Brouillette JN, et al. **Dis Colon Rectum** 1981 Mar-Apr;24(2):96–102

Diabetes and sexual dysfunction: restoring normal ability. Krosnick A, et al. **Geriatrics** 1981 Mar;36(3):92–100

The alcoholic man - too much/too little. Morin RA. **J Psychedelic Drugs** 1980 Apr-Jun;12(2):167–9

PCP and sexual dysfunction. Smith DE, et al. **J Psychedelic Drugs** 1980 Jul-Dec;12(3-4):269–73

Neuroleptic drugs and sexual function in schizophrenia. Nestoros JN, et al. **Mod Probl Pharmacopsychiatry** 1980; 15:111–30 (52 ref.)

Alcohol and sex. Vijayasenan ME. **NZ Med J** 1981 Jan 14; 93(675):18–20

Sexual function loss tied to alcohol abuse [news] **Public Health Rep** 1980 Sep-Oct;95(5):497–8

[Hypothalamo-testicular disorders in chronic renal insufficiency] Ben Dridi M, et al. **Tunis Med** 1981 Mar-Apr; 59(2):157–61 (Eng. Abstr.) **(Fre)**

[Organic origin of ejaculation disorders] Elsässer E. **MMW** 1980 Nov 7;122(45):1586–8 **(Ger)**

[Functional changes after prostatectomy] Sachse H. **MMW** 1980 Nov 7;122(45):1589–90 **(Ger)**

[Sex life after radical operations for cervical cancer] Beck A, et al. **Onkologie** 1980 Feb;3(1):26–30 (Eng. Abstr.) **(Ger)**

[Characteristics of copulatory disorders in men depending on different working conditions] Iunda IF, et al. **Vrach Delo** 1980 Sep;(9):103–6 (Eng. Abstr.) **(Rus)**

[Sex problems and somatic diseases] Lundberg PO. **Lakartidningen** 1981 May 27;78(22):2211–5 **(Swe)**

OCCURRENCE

A cross cultural study of cases of functional sexual disorders among Arabs. Demerdash A, et al. **J Egypt Med Assoc** 1978;61(Suppl 1-2):51–68

Sexual problems referred to a Scottish psychiatric service. Scott IG, et al. **Scott Med J** 1981 Jan;26(1):45–7

PHYSIOPATHOLOGY

Psychophysiological aspects of sexual dysfunction. Hatch JP. **Arch Sex Behav** 1981 Feb;10(1):49–64 (88 ref.)

Time factors and orgasmic response. Huey CJ, et al. **Arch Sex Behav** 1981 Apr;10(2):111–8

Advances in the vascular pathology of male erectile dysfunction. Tordjman G, et al. **Arch Sex Behav** 1980 Oct; 9(5):391–8

PREVENTION & CONTROL

Effect of counseliing on the psychiatric morbidity associated with mastectomy. Maguire P, et al. **Br Med J** 1980 Nov 29;281(6253):1454–6

Preventive education and treatment for difficulties related to sexuality: a method for organizing campus resources. Gram JM, et al. **J Am Coll Health Assoc** 1981 Jun; 29(6):306–7

[Sexuality problems in patients with heart diseases] Angelini G, et al. **Minerva Cardioangiol** 1980 Dec;28(12):813–6 **(Ita)**

PSYCHOLOGY

The ambivalent copulator: ejaculatory incompetence and identity diffusion. Jacobs LI. **Int J Soc Psychiatry** 1980; 26(3):179–83

Some relationships between sex, marriage and mood. Watson JP, et al. **J Int Med Res** 1980;8 Suppl 3:14–9

[Causes of abnormal sexual behavior (author's transl)] Orthner H. **MMW** 1981 Feb 27;123(9):349–52 (Eng. Abstr.) **(Ger)**

REHABILITATION

Sexual health care clinician in an acute spinal cord injury unit. Miller S, et al. **Arch Phys Med Rehabil** 1981 Jul; 62(7):315–20

Sex therapy for recovering alcoholics: an essential part of family therapy. Dowsling JL. **Int J Addict** 1980 Nov; 15(8):1179–89

THERAPY

The pre- and post-therapy measurement of communication skills of couples undergoing sex therapy at the Masters & Johnson Institute. Tullman GM, et al. **Arch Sex Behav** 1981 Apr;10(2):95–109

How to talk to your patients about sex. Meadow R, et al. **Ariz Med** 1980 Sep;37(9):632–4

The practical management of the otherwise fully sexually responsive woman who complains of inability to climax during intercourse. Williams W. **Aust Fam Physician** 1980 Sep;9(9):661–9

Sex problems in practice: what can a general practitioner do? Courtenay M. **Br Med J [Clin Res]** 1981 Mar 14; 282(6267):873–4

Simple sex problems. Courtenay M. **Br Med J [Clin Res]** 1981 Apr 4;282(6270):1124–5

Sex problems in practice: referring patients to a gynaecologist or psychiatrist and to a marriage guidance counsellor. Myerscough PR, et al. **Br Med J [Clin Res]** 1981 May 16;282(6276):1589–90

Dealing with fear of failure. Stanley E. **Br Med J [Clin Res]** 1981 Apr 18;282(6272):1281–3

Vaginismus. Stanley E. **Br Med J [Clin Res]** 1981 May 2; 282(6274):1435–7

Premature ejaculation. Stanley E. **Br Med J [Clin Res]** 1981 May 9;282(6275):1521–2

Principles of managing sexual problems. Stanley E. **Br Med J [Clin Res]** 1981 Apr 11;282(6271):1200–2

The use of aids in the management of disorders of sexual

function. Rhodes P. **Clin Obstet Gynaecol** 1980 Aug; 7(2):421–32 (1 ref.)
Role of the sex therapist in the care of the cancer patient. Schain WS. **Front Radiat Ther Oncol** 1980;15:168–83
Adverse reaction of the apparently healthy partner in response to improvement in the overtly dysfunctional partner. Dickes R, et al. **J Sex Marital Ther** 1980 Summer; 6(2):109–15
Sex therapy in an in-patient and out-patient setting. Kratochvíl S. **J Sex Marital Ther** 1980 Summer;6(2):135–44
Conceptual suggestions for outcome research in sex therapy. Levine SB. **J Sex Marital Ther** 1980 Summer;6(2):102–8
Kenneth Solomon, MD – A profile/interview. [Interview by Blaine Taylor] Solomon K. **Md State Med J** 1981 Jan; 30(1):76–85
Psychopharmcotherapy of sexual disorders in the aged. Kral VA. **Mod Probl Pharmacopsychiatry** 1980;15:174–81 (13 ref.)
Motivation and resistance in sex therapy. Gidro-Frank L, et al. **Psychiatr Q** 1980 Fall;52(3):163–74
Treatment of retarded ejaculation with psychotherapy and meditative relaxation: a case report. Delmonte M, et al. **Psychol Rep** 1980 Aug;47(1):8–10
[Practical experiences in behavior therapy of sex disorders] Rambach H, et al. **Z Aerztl Fortbild (Jena)** 1981 Jan 15; 75(2):58–61 **(Ger)**
[Sexuality over sixty (author's transl)] Aresin L. **ZFA (Dresden)** 1980;35(1):55–8 (Eng. Abstr.) **(Ger)**
[Sexuality in the aged: physiopathological aspects and therapy] Palleschi M, et al. **Clin Ter** 1981 Apr 30; 97(2):193–202 (46 ref.) (Eng. Abstr.) **(Ita)**
[Dynamics of the sympathetic-adrenal changes in the electrostimulation of patients with interoceptive-autonomic sexual dysfunction] Iunda IF, et al. **Urol Nefrol (Mosk)** 1981;(3):46–9 (Eng. Abstr.) **(Rus)**

URINE

[17-ketosteroid and 17-hydroxycorticosteroid excretion in men with a different level of reproductive function (author's transl)] Barták V, et al. **Sb Lek** 1980; 82(11–12):363–8 (Eng. Abstr.) **(Cze)**

VETERINARY

Blood levels of testosterone after Gn-RH injection in boars with or without libido. Einarsson S, et al. **Acta Vet Scand** 1980;21(3):375–9

SEX EDUCATION

Outreach education: a possible preventer of teenage pregnancy. Block RW, et al. **Adolescence** 1980 Fall; 15(59):657–60
Use of a sex rap group in an adolescent medical clinic. Scharff D, et al. **Adolescence** 1980 Winter;15(60):751–62
Out of the locker room and into the classroom: innovative approaches to the use of media and strategies in sex education for the deaf. Kessler MI. **Am Ann Deaf** 1980 Sep;125(6):822–5
Sexual experience, birth control usage, and sex education of unmarried Canadian university students: changes between 1968 and 1978. Barrett FM. **Arch Sex Behav** 1980 Oct;9(5):367–90
Sex education: a review of its effects. Kilmann PR, et al. **Arch Sex Behav** 1981 Apr;10(2):177–205 (58 ref.)
Sex education: the physician's role [letter] Murray AB. **Can Med Assoc J** 1981 Apr 1;124(7):851, 854
Education in sexuality in the medical curriculum. Dennis KJ, et al. **Clin Obstet Gynaecol** 1980 Aug;7(2):183–91 (14 ref.)
The theory and practice of behaviour change in the school context. Emery M. **Int J Health Educ** 1980;23(2):116–25
Human sexual information as high priority of college students. Hyner GC, et al. **J Am Coll Health Assoc** 1980 Oct;29(2):88
Reaching the poor: human sexuality education in costa rica. Risopatron F, et al. **J Commun** 1980 Autumn;30(4):81–9
Sex education: to be or not to be. Bhalerao VR, et al. **J Postgrad Med** 1980 Oct;26(4):253–6
The SIECUS/New York University principles basic to education for sexuality. **J Sch Health** 1981 Apr;51(4):315–6
Sex education in the public schools. **J Sch Health** 1981 Apr; 51(4):203–316
Sex and society: teaching the connection. Brick P. **J Sch Health** 1981 Apr;51(4):226–32
The PTA's health education project and sex education in the schools. Carlyon P. **J Sch Health** 1981 Apr;51(4):271–3
Putting sex education in its place. Cassell C. **J Sch Health** 1981 Apr;51(4):211–3
Developing community support: a first step toward a school sex education program. Chethik BB. **J Sch Health** 1981 Apr;51(4):266–70
Mandated family life education a rose is a rose is a rose is a rose. Darden JS Jr. **J Sch Health** 1981 Apr;51(4):292–4
Sex education a bibliography for professionals with a focus on schools. Deming AM. **J Sch Health** 1981 Apr; 51(4):311–4
Teacher training for sex education. Flaherty C, et al. **J Sch Health** 1981 Apr;51(4):261–4
The case for a moral sex education in the schools. Gordon S. **J Sch Health** 1981 Apr;51(4):214–8
Sex education in a rural high school. Gumerman S, et al. **J Sch Health** 1980 Oct;50(8):478–80
It isn't sex education unless. Hacker SS. **J Sch Health** 1981 Apr;51(4):207–10
Coordinating and planning for human sexuality education. Jenkins DM. **J Sch Health** 1981 Apr;51(4):233–7
The effects of school sex education programs: a review of the literature. Kirby D. **J Sch Health** 1980 Dec; 50(10):559–63
Difficulties in implementing sex education--the Nevada experience. McNab WL. **J Sch Health** 1981 Apr; 51(4):295–9
Evaluation in sex education: evaluation research for sex education applied to program planning. Parcel GS, et al. **J Sch Health** 1981 Apr;51(4):278–81
Sex education in 1900, 1940 and 1980: an historical sketch. Penland LR. **J Sch Health** 1981 Apr;51(4):305–9
Planning school based sexuality programs utilizing the PRECEDE model. Rubinson L, et al. **J Sch Health** 1981 Apr;51(4):282–7
Barriers to sex education. Scales P. **J Sch Health** 1980 Aug; 50(6):337–41
The new opposition to sex education: a powerful threat to a democratic society. Scales P. **J Sch Health** 1981 Apr; 51(4):300–4
Family life and human development (sex education): the Prince George's County Public Schools experience. Schaffer MJ. **J Sch Health** 1981 Apr;51(4):219–22
Teaching sex education to multiply handicapped adolescents. Smigielski PA, et al. **J Sch Health** 1981 Apr;51(4):238–41
The Falls Church experience. Tatum ML. **J Sch Health** 1981 Apr;51(4):223–5
Adolescent sources of information on sex. Thornburg HD. **J Sch Health** 1981 Apr;51(4):274–7
Starting family life & sex education programs: a health agency's perspective. Wagman E, et al. **J Sch Health** 1981 Apr;51(4):247–52
Teacher characteristics and the inclusion of sex education topics in grades 6–8 and 9–11. Yarber WL, et al. **J Sch Health** 1981 Apr;51(4):288–91
Attitude change in a human sexuality course that de-emphasizes small group activities. Thomas JL, et al. **Med Educ** 1980 Jul;14(4):254–8
Predicting school nurse involvement in meeting sexuality related needs of youth in New Jersey. Gorosh VA. **Public Health Rep** 1981 Jul–Aug;96(4):363–8
Sex education surveyed. Watson G. **Spec Educ Forward Trends** 1980 Sep;7(3):11–4
[New trends in sex education] Hynie J. **Cesk Gynekol** 1981 Jul;46(6):468–70 **(Cze)**
[Sex education in adolescence] Michaud PA. **Union Med Can** 1981 Mar;110(3):202–7 (Eng. Abstr.) **(Fre)**
[Problems and results of an investigation about sexual development and sexual education of blind people (author's transl)] Grassel H, et al. **Aerztl Jugendkd** 1981;72(3):181–8 (Eng. Abstr.) **(Ger)**
[Sex education? Sex deviation?] Osváth K, et al. **Morphol Igazsagugyi Orv Sz** 1980 Jan;20(1):68–70 **(Hun)**
[Controversies surrounding the question of sexology in Hungary (letter)] **Orv Hetil** 1980 Nov 30;121(48):2969–72 **(Hun)**
[Sex hygiene of the athlete and related problems] Fraccaroli G, et al. **Minerva Med** 1981 Apr 21;72(16):1017–20 (Eng. Abstr.) **(Ita)**

STANDARDS

The experts rate important features and outcomes of sex education programs. Kirby D, et al. **J Sch Health** 1980 Nov;50(9):497–502

TRENDS

Midlife women in college sexuality classes. Sheppard S. **J Am Coll Health Assoc** 1980 Oct;29(2):81–2
STD education: challenge for the 80s. Kroger F, et al. **J Sch Health** 1981 Apr;51(4):242–6

SEX FACTOR F see **F FACTOR**

SEX FACTORS

Sex and splenectomy in agnogenic myeloid metaplasia. Benbassat J, et al. **Acta Haematol (Basel)** 1980;64(2):114–6
Aneuploidy in cultured human lymphocytes: I. Age and sex differences. Martin JM, et al. **Age Ageing** 1980 Aug; 9(3):147–53
The sex variable and reactions to the physically disabled by eighth grade students. Somervill JW, et al. **Am Correct Ther J** 1981 Mar–Apr;35(2):48–51
Beliefs vs. data: more on the illness behavior of men and women. Glove WR, et al. **Am Sociol Rev** 1981 Feb; 46(1):123–8
Sex differences in health status: a reexamination of the nurturant role hypothesis. Marcus AC, et al. **Am Sociol Rev** 1981 Feb;46(1):119–23
Plasma apolipoprotein profiles of male and female rats. Van Lenten BJ, et al. **Atherosclerosis** 1980 Dec;37(4):569–77
Distribution of lipoproteins triglyceride and lipoprotein cholesterol in an adult population by age, sex, and hormone use– The Pacific Northwest Bell Telephone Company health survey. Wahl PW, et al. **Atherosclerosis** 1981 Apr; 39(1):111–24
Sex-related differences in tumor progression associated with altered lymphocyte circulation. Herman PG, et al. **Cancer Res** 1981 Jun;41(6):2255–61
Comparisons of liver transfer RNA methyltransferase and adenosylmethionine decarboxylase activities of male and female rats. Wainfan E, et al. **Cancer Res** 1980 Mar; 40(3):620–4
Male-female differences in the cytotoxic activity of human monocytes in vitro. Koopman MG, et al. **Clin Lab Haematol** 1981;3(1):45–50
Determining the impact of sex preferences on fertility: a demonstration study. Widmer KR, et al. **Demography** 1981 Feb;18(1):27–37
Prevalence of selected health characteristics of women and comparisons with men. A community health survey in Jerusalem. Gofin J, et al. **Isr J Med Sci** 1981 Feb–Mar; 17(2–3):145–59
Sex differences in complaints and diagnoses. Verbrugge LM. **J Behav Med** 1980 Dec;3(4):327–55
Sex and hemisphere differences in access to codes for processing emotional expressions and faces. Safer MA. **J Exp Psychol [Gen]** 1981 Mar;110(1):86–100
Adult age differences in memory for sex of voice. Kausler DH, et al. **J Gerontol** 1981 Jan;36(1):44–50
Sex differences in psychiatric help-seeking: evidence from four large-scale surveys. Kessler RC, et al. **J Health Soc Behav** 1981 Mar;22(1):49–64
Pain in men vs women [news] **JAMA** 1980 Nov 14; 244(19):2147
Influence of host sex on the growth of human melanoma. Walker MJ, et al. **Proc Soc Exp Biol Med** 1980 Oct; 165(1):96–9
Sex and strain dependence in nutrition of the rats: dietary manipulation. Golda V, et al. **Sb Ved Pr Lek Fak Univ Karlovy** 1980;23(2):153–64
Mathematical ability: is sex a factor? [letter] **Science** 1981 Apr 10;212(4491):114–21
Math and sex: are girls born with less ability? [news] Kolata GB. **Science** 1980 Dec 12;210(4475):1234–5
Mortality differentials favor women. **Stat Bull Metropol Life Ins Co** 1980 Apr–Jun;61(2):2–7
A sex difference in the bleeding time. Bain B, et al. **Thromb Haemost** 1980 Jun 18;43(2):131–2
[The effect of sex factors and sunshine on indications for phototherapy of neonatal hyperbilirubinemia] Hodr R, et al. **Cesk Pediatr** 1980 Sep;35(9):487–90 (Eng. Abstr.) **(Cze)**
[Effect of age and sex on antibody formation] Holý J, et al. **Cesk Pediatr** 1981 Feb;36(2):77–8 (Eng. Abstr.) **(Cze)**
[Effect of the sex of the newborn infant on subsequent breast cancer in the mother] Juret P, et al. **Bull Acad Natl Med (Paris)** 1980 Apr;164(4):353–7 (Eng. Abstr.) **(Fre)**
[Gynaecology and geriatrics (author's transl)] Schulz FH. **ZFA (Dresden)** 1979;34(5):469–75 (Eng. Abstr.) **(Ger)**
[Sex-linked difference in the distribution of blood groups among acute leukemia patients] Nagy P, et al. **Orv Hetil** 1980 Jun 29;121(26):1559–61 **(Hun)**
[Changes in coughing in cats in relation to their sex] Strapková A, et al. **Cesk Fysiol** 1981 May;30(3):279–81 **(Slo)**
[Differences in mortality according to sex in Puerto Rico] Ramírez de Arellano AB. **Bol Asoc Med PR** 1981 Jan; 73(1):11–7 (Eng. Abstr.) **(Spa)**

SEX FACTORS, BACTERIAL see under **PLASMIDS**

SEX HORMONE BINDING GLOBULIN

Plasma androgens, 17 beta-estradiol, and sex hormone-binding globulin in patients with hirsutism and/or clitoromegaly. Mathur RS, et al. **Fertil Steril** 1981 Aug; 36(2):188–93

ANALYSIS

Serum sex hormone-binding globulin capacity and the percentage of free estradiol in postmenopausal women with and without endometrial carcinoma. A new biochemical basis for the association between obesity and endometrial carcinoma. Nisker JA, et al. **Am J Obstet Gynecol** 1980 Nov 15;138(6):637–42
Simplified method for measuring sex-hormone binding globulin. Fattah DI, et al. **Clin Chem** 1981 Jul;27(7):1277–9
Determination of SHBG-bound sex hormones by selective ammonium sulphate precipitation. Ratajczak T, et al. **Clin Chim Acta** 1981 Mar 5;110(2–3):327–34
The relation between obesity and testosterone-estradiol binding globulin levels in polycystic ovarian syndrome (PCO). Badawy SZ, et al. **Diagn Gynecol Obstet** 1980 Spring;2(1):43–6
Presence of binding component(s) for testosterone in rat liver cytosol. Sato N, et al. **Endocrinol Jpn** 1980 Jun;27(3):315–9
Plasma androgens and sex hormone-binding globulin in the evaluation of hirsute females. Mathur RS, et al. **Fertil Steril** 1981 Jan;35(1):29–35
Estrogen-androgen balance in anovulation. Wu CH, et al. **Fertil Steril** 1981 Jul;36(1):61–7
Sex hormone-binding globulin and estrogen receptor in endometrial and cervical cancer. Ratajczak T, et al. **Gynecol Oncol** 1980 Dec;10(3):262–6
Plasma sex hormone binding globulin and tumour oestrogen receptor status in breast cancer patients [letter] **Lancet** 1981 Mar 14;1(8220 Pt 1):617–8

Interrelationships between sex hormone-binding globulin and testosterone, 5 alpha-dihydrotestosterone and oestradiol-17 beta in blood of normal men. Bartsch W. **Maturitas** 1980 Jul;2(2):109-18

The relation between sex hormone binding globulin and response to cytotoxic chemotherapy (CAF therapy) in breast cancer. Murayama Y, et al.
Nippon Gan Chiryo Gakkai Shi 1980 Jun 20;15(3):334-8

Sex hormone binding globulin in breast cancer. Bowen M, et al. **Ric Clin Lab** 1980 Oct-Dec;10(4):591-5

Plasma testosterone and sex-hormone-binding globulin capacity in physical exercise. Kuoppasalmi K.
Scand J Clin Lab Invest 1980 Sep;40(5):411-8

[Radio-immunological determination of testosterone and of sexual hormone binding globulin in plasma of women with hirsutism (author's transl)] Warenik-Szymankiewicz A, et al. **Zentralbl Gynaekol** 1980;102(9):502-6 (Eng. Abstr.) **(Ger)**

[A measurement of testosterone-binding globulin (TBG) by the use of exchange assay — dynamics during the pregnancy, labor and puerperal periods and a difference by the fetal sex (author's transl)] Yoshizaki K, et al.
Acta Obstet Gynaecol Jpn 1981 Apr;33(4):461-8 (Eng. Abstr.) **(Jpn)**

[A simplified method for measuring the binding capacity of sex hormone-binding globulin in human serum and its clinical application (author's transl)] Kawagoe S, et al.
Nippon Naibunpi Gakkai Zasshi 1980 Jul 20;56(7):933-44 (Eng. Abstr.) **(Jpn)**

[Simplified methods for the determination of testosterone-estradiol-binding globulin (TeBG) capacity and % bound of testosterone and estradiol to TeBG (author's transl)] Kira M.
Nippon Naibunpi Gakkai Zasshi 1980 Oct 20;56(10):1461-74 (Eng. Abstr.) **(Jpn)**

[The method for the measurement of the binding capacity of testosterone-estradiol binding globulin (author's transl)] Utsunomiya T, et al. **Nippon Naibunpi Gakkai Zasshi** 1980 Oct 20;56(10):1475-83 (Eng. Abstr.) **(Jpn)**

BLOOD

Modification in the purification of the sex steroid-binding protein of human serum by affinity chromatography. Pétra PH, et al. **Anal Biochem** 1980 Jun;105(1):165-9

Effects of ethinyloestradiol on plasma levels of pituitary gonadotrophins, testicular steroids and sex hormone binding globulin in normal men. Van Look PF, et al.
Clin Endocrinol (Oxf) 1981 Mar;14(3):237-43

GENETICS

Hormonal and immunological aspects of the phylogeny of sex steroid binding plasma protein. Renoir JM, et al.
Proc Natl Acad Sci USA 1980 Aug;77(8):4578-82

ISOLATION & PURIFICATION

Heterogeneity in end-terminal sugars of rabbit and rat androgen binding protein (ABP). Hansson V.
Int J Androl 1981 APr;4(2):220-6

A simple two-step procedure for the simultaneous isolation of corticosteroid binding globulin and sex hormone binding globulin from human serum by chromatography on cortisol-Sepharose and phenyl-Sepharose. Fernlund P, et al. **J Steroid Biochem** 1981 Jun;14(6):545-52

Immunochemical characterization and quantitation of human sex steroid binding plasma protein. Egloff M, et al.
Steroids 1981 Apr;37(4):455-62

[Methodological problems concerning the assay of sex hormone binding globulin with DEAE-cellulose] Caputo M, et al. **Boll Soc Ital Biol Sper** 1980 Jul 30;56(14):1485-91 (Eng. Abstr.) **(Ita)**

METABOLISM

Sex-hormone-binding globulin and oestrogen receptors. Mason RC, et al. **Biochem Soc Trans** 1981 Feb;9(1):97-8

Total and SHBG-bound testosterone and 5 alpha-dihydrotestosterone serum concentrations in normal elderly men and patients with benign prostatic hypertrophy before and after removal of the adenoma. Lukkarinen O. **Br J Urol** 1980 Oct;52(5):377-80

Effect of contraceptive steroids on serum levels of sex hormone binding globulin and caeruloplasmin. Limpongsanurak S, et al. **Curr Med Res Opin** 1981; 7(3):185-91

Characteristics of the binding component for testosterone and androstenedione in rat liver cytosol. Ota M, et al.
Endocrinol Jpn 1980 Jun;27(3):321-8

High-affinity binding of progesterone, estradiol-17 beta and testosterone by plasma proteins of the reptile Lacerta vivipara J. Martin B, et al. **Gen Comp Endocrinol** 1981 Mar; 43(3):299-307

Transport of steroid hormones: binding of 21 endogenous steroids to both testosterone-binding globulin and corticosteroid-binding globulin in human plasma. Dunn JF, et al. **J Clin Endocrinol Metab** 1981 Jul;53(1):58-68

Estradiol-testosterone binding interactions and free plasma estradiol under physiological conditions. Moll GW Jr, et al. **J Clin Endocrinol Metab** 1981 May;52(5):868-74

Obesity and its role in polycystic ovary syndrome. Plymate SR, et al. **J Clin Endocrinol Metab** 1981 Jun;52(6):1246-8

Transport of steroid hormones: interaction of 70 drugs with testosterone-binding globulin and corticosteroid-binding globulin in human plasma. Pugeat MM, et al.
J Clin Endocrinol Metab 1981 Jul;53(1):69-75

Elevated testosterone-binding globulin in Klinefelter's syndrome. Wieland RG, et al. **J Clin Endocrinol Metab** 1980 Nov;51(5):1199-200

Hormonal and immunological aspects of sex steroid-binding plasma protein of primates. Renoir JM, et al.
J Reprod Fertil [Suppl] 1980;Suppl 28:113-9

Binding of a contraceptive progestogen ORG 2969 and its metabolites to receptor proteins and human sex hormone binding globulin. Bergink EW, et al. **J Steroid Biochem** 1981 Feb;14(2):175-83

Sex hormone binding globulin levels and prognosis in early breast cancer [letter] Harris AL, et al. **Lancet** 1981 Jan 31;1(8214):279

Administration of dehydroepiandrosterone enanthate to oophorectomized women—effects on sex hormones and lipid metabolism. Mattson LA, et al. **Maturitas** 1980 Dec; 2(4):301-9

Immunocytochemical localization of the sex steroid-binding protein of plasma in tissues of the adult monkey Macaca nemestrina. Bordin S, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):5678-82

[In vitro aromatization of androgens in the presence of testosterone binding proteins from human placenta or serum] Le Guern A, et al. **Biochimie** 1980;62(10):747-9 (Eng. Abstr.) **(Fre)**

[Binding capacity of the testosterone-binding plasma protein in 2 wild mammals with cyclic testicular activity, the fox and badger] Maurel D, et al. **C R Acad Sci [D] (Paris)** 1980 Oct 27;291(8):693-6 (Eng. Abstr.) **(Fre)**

PHARMACODYNAMICS

Influence of sex hormone binding globulin and serum albumin on the conversion of androstenedione to testosterone by human erythrocytes. Egloff M, et al.
Acta Endocrinol (Copenh) 1981 Jan;96(1):136-40

SECRETION

Secretion of testosterone-estradiol-binding globulin by a human hepatoma-derived cell line. Khan MS, et al.
J Clin Endocrinol Metab 1981 Aug;53(2):448-9

SEX HORMONES

ADVERSE EFFECTS

The importance of epidemiology in identifying drugs which may cause malformations—with particular reference to drugs containing sex hormones. Kelsey FO.
Acta Morphol Acad Sci Hung 1980;28(1-2):189-95

Sex hormone exposure during pregnancy and malformations. Briggs MH, et al. **Adv Steroid Biochem Pharmacol** 1979; 7:51-89 (169 ref.)

Thrombosis and sex hormones: a perplexing liaison. Wessler S. **J Lab Clin Med** 1980 Nov;96(5):757-61 (41 ref.)

ANALYSIS

Anti-steroid antibodies and their application for immunohistochemical localization of sex hormones. Mirecka J. **Acta Histochem [Suppl] (Jena)** 1980;22:245-51

Prostaglandins and steroid hormones in plasma and ovarian follicles during the ovulation cycle of the domestic hen (Gallus domesticus). Hammond RW, et al.
Gen Comp Endocrinol 1980 Oct;42(2):195-202

BIOSYNTHESIS

Steroidogenesis by gonads of normal and of diethylstilbestrol-treated quail embryos: radioimmunoassays on organ cultures. Scheib D, et al.
Gen Comp Endocrinol 1981 Apr;43(4):519-26

Potency of the effect of D-stereoisomer of aminoglutethimide on adrenal and extraadrenal steroidogenesis. Šamojlik E, et al. **J Clin Endocrinol Metab** 1980 Sep;51(3):462-5

BLOOD

17-ketosteroid reductase deficiency — plasma steroids and incubation studies with testicular tissue. von Schnakenburg K, et al. **Acta Endocrinol (Copenh)** 1980 Jul;94(3):397-403

Bromocriptine treatment during early human pregnancy: effect on the levels of prolactin, sex steroids and placental lactogen. Ylikorkala O, et al. **Acta Endocrinol (Copenh)** 1980 Nov;95(3):412-5

A sex difference of the concentrations of gonadotropins, its subunits and sex steroids in cord veins. Miyamoto U.
Acta Obstet Gynaecol Jpn 1981 May;33(5):711-3

Growth related hormones in idiopathic scoliosis. An endocrine basis for accelerated growth. Skogland LB, et al. **Acta Orthop Scand** 1980 Oct;51(5):779-80

Variations in plasma level of sexual steroids during the oviposition cycle in laying hens (Gallus domesticus). Péczely P, et al. **Acta Vet Acad Sci Hung** 1980;28(1):103-8

The reproductive endocrine system in cystic fibrosis. I. Basal gonadotropin and sex steroid levels. Reiter EO, et al.
Am J Dis Child 1981 May;135(5):422-6

Plasma concentrations of six steroids and LH during the ovulatory cycle of the hen, Gallus domesticus. Johnson AL, et al. **Biol Reprod** 1980 Sep;23(2):386-93

Endocrine characteristics of the menstrual cycle in the Assamese monkey (Macaca assamensis). Wehrenberg WB, et al. **Biol Reprod** 1980 Oct;23(3):522-5

Rapid and efficient extraction of steroids from microlitre quantities of plasma using Extrelut mini-columns. Bamberg E, et al. **Clin Chim Acta** 1980 Dec 22;108(3):479-82

Steroid hormones, ageing and bone. Crilly RG, et al.
Clin Endocrinol Metab 1981 Mar;10(1):115-39 (42 ref.)

Response of peripheral serum sex steroids and some of their precursors to a single injection of hCG in adult men. Martikainen H, et al. **Clin Endocrinol (Oxf)** 1980 Aug; 13(2):157-66

Hormonal effects of the 300 microgram norethisterone (NET) minipill. 3. Comparison of the short-term (2nd month) and medium-term (6th month) effects in 21 subjects. Landgren BM, et al. **Contraception** 1981 Mar;23(3):269-99

Hormonal changes in normal menstrual cycle of Thai women. Werawatgoompa S, et al. **Contraception** 1981 Mar; 23(3):301-13

Reserpine, hydrochlorothiazide and pituitary-gonadal hormones in hypertensive patients. Boyden TW, et al.
Eur J Clin Pharmacol 1980 May;17(5):329-32

Peripheral plasma levels of 12 steroids during pregnancy in the baboon (Papio hamadryas). Goncharov N, et al.
Eur J Obstet Gynaecol Reprod Biol 1980 Dec;11(3):201-8

Plasma steroids and human placental lactogen level changes in late pregnancy in association with intravenous ritodrine administration. Schreyer P, et al. **Gynecol Obstet Invest** 1981;12(2):99-106

Serum lipoproteins and the concentrations of thyroxine and sex hormones in diabetic man. Reckless JP, et al.
Horm Metab Res 1980 Nov;12(11):629-30

Sex steroids in women with liver cirrhosis. Shaaban MM, et al. **Int J Gynaecol Obstet** 1980;18(3):181-4

Plasma steroid concentrations in maternal and umbilical circulation after spontaneous onset of labor. Mathur RS, et al. **J Clin Endocrinol Metab** 1980 Dec;51(6):1235-8

Acute steroidogenic responsiveness to human luteinizing hormone in hypogonadotropic hypogonadism. Wang C, et al. **J Clin Endocrinol Metab** 1980 Dec;51(6):1269-73

Endocrine, cardiovascular, and psychological correlated of olfactory sensitivity changes during the human menstrual cycle. Doty RL, et al. **J Comp Physiol Psychol** 1981 Feb; 95(1):45-60

Concentrations of pituitary, gonadal and adrenal hormones in serum of laying and broody white rock hens (Gallus domesticus). Bedrak E, et al. **J Endocrinol** 1981 May; 89(2):197-204

Serum concentrations of prolactin, luteinizing hormone, growth hormone, corticosterone, progesterone, testosterone and oestradiol in relation to broodiness in domestic turkeys (Meleagris gallopavo). Harvey S, et al.
J Endocrinol 1981 May;89(2):187-95

Simultaneous plasma radioimmunoassay of estradiol, progesterone, 17-hydroxy-progesterone, testosterone and androstenedione in farm animals. Inaudi P, et al.
J Nucl Med Allied Sci 1980 Jul-Dec;24(3-4):127-33

Steroid endocrinology after the menopause: a review. Hutton JD, et al. **J R Soc Med** 1979 Nov;72(11):835-41 (31 ref.)

Ovarian morphology and the concentration of steroids, and of gonadotrophins during the breeding season in ewes actively immunized against oestradiol-17 beta or oestrone. Scaramuzzi RJ, et al. **J Reprod Fertil** 1980 Jul;59(2):303-10

Ovarian function in women immediately post partum. Acar B, et al. **Obstet Gynecol** 1981 Apr;57(4):468-72

Responses to constant infusion of LH-RH in girls with primary hypogonadism. Reiter EO, et al.
Obstet Gynecol 1980 Sep;56(3):339-43

Induction of labour in sheep after fetal hypophysectomy: an investigation of the possible involvement of a fetal pituitary secretion in the activation of placental enzymes by fetal cortisol. Ricketts AP, et al. **Placenta** 1980 Oct-Dec; 1(4):287-97

Peripheral and prostatic vein steroid concentrations in benign prostatic hypertrophy patients before and after removal of the adenoma. Lukkarinen O, et al.
Scand J Urol Nephrol 1980;14(3):225-7

Adrenocortical and gonadal steroids during sleep deprivation. Akerstedt T, et al. **Sleep** 1980;3(1):23-30

Chronic effects of the stimulatory luteinizing hormone-releasing hormone analogue D-Ser (TBU) 6-EA 10-LRH on the gonadotrophin and gonadal steroid secretion in women with amenorrhoea. Skarin G, et al.
Ups J Med Sci 1980;85(2):103-12

Patterns of circulating gonadotropins (LH and FSH), prolactin and ovarian steroids (estradiol and progesterone) during the menstrual cycle in Korean women. Ryu K, et al. **Yonsei Med J** 1979;20(2):155-61

[Klinefelter's syndrome during childhood and adolescence: endocrine investigations (author's transl)] Boudailliez B, et al. **Ann Pediatr (Paris)** 1981 Mar;28(3):195-201 (Eng. Abstr.) **(Fre)**

[The hormonology of pregnancy] Lambotte R.
Rev Med Liege 1980 Sep 1;35(17):575-7 **(Fre)**

[Sense and nonsense of hormone determinations in gynecology and obstetrics. Secondary amenorrhea, androgenization, sterility] Hammerstein J.
Gynakol Rundsch 1981;21(2):78-85 **(Ger)**

[Sense and nonsense of hormone determinations in obstetrics and gynecology: late pregnancy] Keller PJ.
Gynakol Rundsch 1981;21(2):89-93 **(Ger)**

[Hormone determinations during perimenopause] Plotz EJ.
Gynakol Rundsch 1981;21(2):86-8 **(Ger)**

[Significance of basal hormonal studies in the diagnosis of male fertility] Litschgi M. **Ther Umsch** 1980 Jun; 37(6):494–500 (Eng. Abstr.) **(Ger)**

[Steroid receptor levels in human breast carcinomas in relation to serum hormone levels in postmenopausal patients (author's transl)] Reiner G, et al. **Wien Klin Wochenschr** 1981 May 29;93(11):339–42 (Eng. Abstr.) **(Ger)**

[Effects of dehydroepiandrosterone sulfate on serum steroid hormones and endocrine organs in adrenalectomized immature female rats (author's transl)] Ishii H, et al. **Nippon Yakurigaku Zasshi** 1980 Apr;76(3):201–12 (Eng. Abstr.) **(Jpn)**

[Diagnosis of hirsutism on the basis of determination of steroid hormones, particularly testosterone and androgen binding protein] Warenik-Szymankiewicz A. **Endokrynol Pol** 1980 Nov–Dec;31(6):555–65 (Eng. Abstr.) **(Pol)**

METABOLISM

Changes in the concentration of gonadotropic and steroidal hormones in the antral fluid of ovarian follicle throughout the oestrous cycle of the sheep. McNatty KP, et al. **Aust J Biol Sci** 1981;34(1):67–80

Steroid hormones and the metabolism of oxygen by the uterus of pregnant sheep after ovariectomy. Caton D, et al. **Biol Reprod** 1981 Apr;24(3):557–64

Obligatory role of luteinizing hormone (LH) in the initiation of preovulatory follicular growth in the pregnant rat: specific effects of human chorionic gonadotropin and follicle-stimulating of hormone on LH receptors and steroidogenesis in theca, granulosa, and luteal cells. Bogovich K, et al. **Endocrinology** 1981 Sep;109(3):860–7

Differences in negative and positive feedback of gonadal steroids on release of gonadotropins and prolactin in young and old rats. Meites J, et al. **Exp Brain Res** 1981;Suppl 3:151–7

Changes in the pituitary and plasma LH, plasma and follicular progesterone and estradiol, and plasma testosterone and estrone concentrations during the ovulatory cycle of the quail (Coturnix coturnix japonica). Doi O, et al. **Gen Comp Endocrinol** 1980 Jun;41(2):156–63

Relationship between human follicular fluid inhibin F activity and steroid content. Channing CP, et al. **J Clin Endocrinol Metab** 1981 Jun;52(6):1193–8

Changes in enzyme activities related to steroidogenesis in human ovaries during the menstrual cycle. Sano Y, et al. **J Clin Endocrinol Metab** 1981 May;52(5):994–1001

Age-related changes in endogenous steroids of human fetal testis during early and midpregnancy. Tapanainen J, et al. **J Clin Endocrinol Metab** 1981 Jan;52(1):98–102

Androblastoma: pre-, per- and post-operative steroid hormone and binding protein concentrations in peripheral plasma, cyst fluid and tumor vein. Rolland PH, et al. **J Endocrinol Invest** 1981 Jan–Mar;4(1):21–9

Follicular steroid content and oocyte meiotic status after PMSG stimulation of immature hamsters. Matson PL, et al. **J Reprod Fertil** 1981 Mar;61(2):443–52

Modulation of steroidogenic activities in testis Leydig cells. Rommerts FF, et al. **Mol Cell Endocrinol** 1981 Jan; 21(1):15–28 (80 ref.)

Effect of LH-RH, gonadotrophins or sex hormones on protein synthesis in hypothalamus and pituitaryof immature female rat in vitro. Díaz-Chico BN, et al. **Rev Esp Fisiol** 1980 Sep;36(3):249–53

[Steroid hormone levels, diagnostic element in urology] Delannoy JH. **Acta Urol Belg** 1980 Apr;48(2):161–282 (Eng. Abstr.) **(Fre)**

[Steroid hormone concentrations in human endometrium and plasma (author's transl)] Okuda K. **Acta Obstet Gynaecol Jpn** 1981 Mar;33(3):353–60 (Eng. Abstr.) **(Jpn)**

[Studies on the indicators for the responsiveness of human breast cancer to sex steroids (author's transl)] Boku S. **Nippon Naibunpi Gakkai Zasshi** 1981 Jan 20;57(1):64–88 (Eng. Abstr.) **(Jpn)**

[Hormonal aspects of hypogonadism and feminization in men with liver cirrhosis] Shlimovich PB. **Probl Endokrinol (Mosk)** 1980 Jul–Aug;26(4):81–7 **(Rus)**

PHARMACODYNAMICS

The influence of sexual hormones on lipogenesis and lipolysis in rat fat cells. Hansen FM, et al. **Acta Endocrinol (Copenh)** 1980 Dec;95(4):566–70

Effects of endogenous sex hormones on mouse liver ethylmorphine N-demethylase. Brown TR, et al. **Arch Int Pharmacodyn Ther** 1980 Nov;248(1):13–25

Effects of sex steroids on plasma lipids in the goldfish, Carassius auratus. Wiegand MD, et al. **Can J Zool** 1980 Jun;58(6):967–72

Influence of sex hormones on prostatic secretion protein, a major protein in rat prostate. Pousette A, et al. **Cancer Res** 1981 Feb;41(2):688–90

Effect of steroids on concanavalin A-induced blast transformation of mouse lymphoid cells. Homo F, et al. **Cell Immunol** 1980 Dec;56(2):381–91

Effect of castration and sex hormones on experimental autoimmune thyroiditis. Okayasu I, et al. **Clin Immunol Immunopathol** 1981 Aug;20(2):240–5

Endocrine regulation of rat serum cholinesterase activity. Illsley NP, et al. **Endocrinology** 1981 May;108(5):1737–43

Effects of sex hormone metabolites on the secretion of gonadotropins. Motta M, et al. **Exp Brain Res** 1981;Suppl 3:80–92 (48 ref.)

Influence of contraceptive and other sex steroids on aortic collagen and elastin. Fischer GM, et al. **Exp Mol Pathol** 1980 Aug;33(1):15–24

Male sexual behavior in deer mice (Peromyscus maniculatus) following castration and hormone replacement. Clemens LG, et al. **Horm Behav** 1981 Jun;15(2):183–96

Steroidal influences on pup-killing behavior in mice. Svare B. **Horm Behav** 1979 Oct;13(2):153–64

Influence of sex steroids and prolactin on rat mammary gland. Srinivasan N, et al. **Indian J Physiol Pharmacol** 1980 Oct–Dec;24(4):322–8

Ultrastructural effects of sex hormones and infection on lymph node post-capillary venules. Kittas C, et al. **J Pathol** 1980 Oct;132(2):121–31

From the NIH: Hormonal requirements of endometriosis yield clues to treatment. **JAMA** 1981 May 1;245(17):1726

Study on re-establishment of ovulation after termination of sex-steroidal treatment —compared with re-appearance of ovulation after abortion and premature delivery. Hayashi K, et al. **Keio J Med** 1979 Dec;28(4):173–93

Changes in dimethylaniline N-oxidase activity of mouse liver and kidney induced by steroid sex hormones. Duffel MW, et al. **Mol Pharmacol** 1981 Jan;19(1):134–9

Effect of sex steroids on the reproductive behavior of castrated male ring doves (Streptopelia sp.). Adkins-Regan E. **Physiol Behav** 1981 Apr;26(4):561–5

Effects of prenatal sex hormones on gender-related behavior. Ehrhardt AA, et al. **Science** 1981 Mar 20;211(4488):1312–8

[Sex hormone-like activity of Tanshinone (author's transl)] Gao YG, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1980 Sep; 2(3):189–91 (Eng. Abstr.) **(Chi)**

[The weights of genital organs in germfree and conventional ICR mice administered with hCG, estradiol benzoate, progesterone and testosterone propionate (author's transl)] Shinoda M, et al. **Jikken Dobutsu** 1980 Jul;29(3):345–9 (Eng. Abstr.) **(Jpn)**

[Study of in vitro sensitivity of human bladder cancer cell lines to various sex steroid hormones: cell killing effects of various sex steroid hormones on T 24 cells and 253 J cells (author's transl)] Yoshimoto J. **Nippon Hinyokika Gakkai Zasshi** 1981 Feb;72(2):192–9 (Eng. Abstr.) **(Jpn)**

[Effects of gonadal steroids on the incorporation of 3H-thymidine into human peripheral lymphocytes cultured under stimulation by phytohemagglutinin and allogeneic cells (author's transl)] Kobayashi H. **Nippon Naibunpi Gakkai Zasshi** 1980 Oct 20;56(10):1433–46 (Eng. Abstr.) **(Jpn)**

[Effects of dehydroepiandrosterone sulfate on serum steroid hormones in pregnant rabbits (author's transl)] Yamashita A, et al. **Nippon Yakurigaku Zasshi** 1981 Feb;77(2):187–94 (Eng. Abstr.) **(Jpn)**

[Effect of alcoholic intoxication on the morphology of albino rat epididymis after administration of estrogens, testosterone and gonadotropin] Semczuk M, et al. **Ginekol Pol** 1980 Dec;51(12):1063–71 (Eng. Abstr.) **(Pol)**

PHYSIOLOGY

The influence of sex hormones on acne. Förström L. **Acta Derm Venereol [Suppl] (Stockh)** 1980;Suppl 89:27–31

Sexual differences in the brain. Arnold AP. **Am Sci** 1980 Mar–Apr;68(2):165–73

Effects of gonadectomy and exogenous gonadal steroids on sex differences in open field behaviour of adult rats. Slob AK, et al. **Behav Brain Res** 1981 May;2(3):347–62

Diurnal steroid patterns during gestation in the rhesus macaque: onset, daily variation, and the effects of dexamethasone treatment. Hess DL, et al. **Biol Reprod** 1981 Apr;24(3):609–16

Endocrinology of sexual function. Bancroft J. **Clin Obstet Gynaecol** 1980 Aug;7(2):253–81 (110 ref.)

Gonadal steroids and brain function. **IUPS-Satellite-Symposium, Berlin, July 10–11, 1980. Exp Brain Res** 1981;Suppl 3:1–373

Sex hormone dependent brain differentiation and sexual behavior. Dörner G. **Exp Brain Res** 1981;Suppl 3:238–45

Control of proceptive and receptive behavior by ovarian hormones in the Syrian hamster (Mesocricetus auratus). Steel E. **Horm Behav** 1981 Jun;15(2):141–56

Reproduction, endogenous and exogenous sex hormones, and colon cancer: a review and hypothesis. McMichael AJ, et al. **JNCI** 1980 Dec;65(6):1201–7 (59 ref.)

Interaction between hypophyseal-adrenal and genital system in silver foxes. Bazhan NM, et al. **Neurosci Behav Physiol** 1980 May–Jun;10(3):219–22

Sexual dimorphism in the hormonal control of aggressive behavior of rats. DeBold JF, et al. **Pharmacol Biochem Behav** 1981;14 Suppl 1:89–93

Effects of retention interval and gonadectomy on sex differences in passive avoidance behavior. van Oyen HG, et al. **Physiol Behav** 1980 Dec;25(6):859–62

Adaptive aspects of hormonal correlates of attack and defence in laboratory mice: a study in ethobiology. Brain PF. **Prog Brain Res** 1980;53:391–413 (74 ref.)

Neural gonadal steroid actions. McEwen BS. **Science** 1981 Mar 20;211(4488):1303–11 (88 ref.)

Postnatal gonadal steroid effects on human behavior. Rubin RT, et al. **Science** 1981 Mar 20;211(4488):1318–24

[Duodenal electrical activity patterns in female rats: effects of ovarian hormones. Physiological study (author's transl)] Vauzelle D, et al. **Gastroenterol Clin Biol** 1980 Oct; 4(10):686–94 (Eng. Abstr.) **(Fre)**

[Hormonal control of human growth (author's transl)] Hibi I. **Tanpakushitsu Kakusan Koso** 1980;25(7):647–59 (77 ref.) **(Jpn)**

[Sex hormones and behavior of animals and man] Velle W. **Tidsskr Nor Laegeforen** 1980 Dec 10;100(34–36):2053–7 (Eng. Abstr.) **(Nor)**

[Hormones and sex behavior] Dahlöf LG, et al. **Lakartidningen** 1980 Sep 24;77(39):3400–3 (Eng. Abstr.) **(Swe)**

SECRETION

Ovarian steroid secretion in normally menstruating women. II. The contribution of the corpus luteum. Aedo AR, et al. **Acta Endocrinol (Copenh)** 1980 Oct;95(2):222–31

Ovarian steroid secretion in normally menstruating women. I. The contribution of the developing follicle. Aedo AR, et al. **Acta Endocrinol (Copenh)** 1980 Oct;95(2):212–21

LH-induced testicular steroid secretion after FSH treatment in immature and young adult hypophysectomized rats. Nazian SJ, et al. **Arch Androl** 1981 Feb;6(1):33–8

Production of steroids in one case of granulosa cell tumor in culture. Shoji M, et al. **Nippon Sanka Fujinka Gakkai Zasshi** 1980 Oct; 32(10):1603–8

THERAPEUTIC USE

Steroid receptors and response to endocrine treatment and chemotherapy of advanced breast cancer. von Maillot K, et al. **J Cancer Res Clin Oncol** 1980;98(3):301–13

[Endocrine diagnostic procedures and hormone treatment in male infertility (author's transl)] König MP. **Praxis** 1980 Dec 2;69(48):1794–7 (Eng. Abstr.) **(Ger)**

[Effect of estrogens and androgens on calcium transport in experimental chronic renal failure] Goligorskii MS, et al. **Vopr Med Khim** 1980 Jul–Aug;26(4):449–51 **(Rus)**

SEX MATURATION

Morphology of the male accessory organs of reproduction of immature fallow deer (Dama dama L.) with particular reference to puberty and antler development. Chapman DI, et al. **Acta Anat (Basel)** 1980;108(1):51–9

Binding capacity of estradiol and depletion-replenishment rate of cytoplasmic estrogen receptor in uterine tissue of maturing rats with hypothalamic lesions. Alvarez EO, et al. **Acta Physiol Lat Am** 1978;28(4–5):155–62

Dynamic changes of serum lipoproteins in children during adolescence and sexual maturation. Berenson GS, et al. **Am J Epidemiol** 1981 Feb;113(2):157–70

Pubertal changes in boys and girls in Newcastle upon Tyne. Billewicz WZ, et al. **Ann Hum Biol** 1981 May–Jun; 8(3):211–9

Hypothalamic, pituitary, testicular, and secondary organ functions and interactions during the sexual maturation of the male rat. Nazian SJ, et al. **Arch Androl** 1980 Jun; 4(4):283–303 (69 ref.)

Prognosis of sexual maturation in prepubertal boys with micropenis. Okuyama A, et al. **Arch Androl** 1980 May; 4(3):265–9

Sexual development and fertility of Jamaican female patients with homozygous sickle cell disease. Alleyne SI, et al. **Arch Intern Med** 1981 Sep;141(10):1295–7

Sex-limited effects of the expression of the db gene in mice during puberty. Karn RC. **Biochem Genet** 1981 Apr; 19(3–4):355–71

Changes in indices of rat testicular heme biosynthesis and microsomal cytochrome P-450 during sexual maturation. Tofilon PJ, et al. **Biochem Pharmacol** 1981 Jul 1; 30(13):1823–6

Evidence that physiologic levels of circulating estrogens and neonatal sex-imprinting modify postpubertal hepatic microsomal 3-hydroxy-3-methylglutaryl coenzyme A reductase activity. Carlson SE, et al. **Biochim Biophys Acta** 1980 Dec 1;633(2):154–61

Sex difference in the effects of electrochemical stimulative lesions of the limbic-preoptic area on the onset of puberty in the rat. Kimura F, et al. **Biol Reprod** 1980 Jun; 22(5):1193–200

Changes in erythrosinophils of the anterior lobe of the adenohypophysis during sexual development and after copulation in the male mongolian gerbil. Ortman R, et al. **Biol Reprod** 1980 Jun;22(5):1245–53

FSH receptor autoregulation and cyclic AMP production in the immature rat testis. O'Shaughnessy PJ. **Biol Reprod** 1980 Nov;23(4):810–4

Effect of neonatal undernutrition on serum follicle-stimulating hormone levels and ovarian development in the female rat. Schenck PE, et al. **Br J Nutr** 1980 Sep;44(2):179–82

Compensatory growth and sexual maturity in broiler females reared under severe food restriction from day of hatching. Brody T, et al. **Br Poult Sci** 1980 Nov;21(6):437–46

Puberty of female rats may in part be explained by decreased hypothalamic dopamine receptor sensitivity. Lamberts R, et al. **Brain Res** 1981 Jun 29;215(1–2):375–81

In vitro binding of 1251-HCG to the rat ovary from birth

to puberty. Bortolussi M, et al. **Cell Tissue Res** 1981; 214(3):633–40

3H-PGE1 binding and production of cAMP and testosterone by Leydig cells during adolescence in rats. Seböková E, et al. **Endocrinol Exp (Bratisl)** 1981;15(2):81–6

Time course of the negative feedback effect of testosterone on serum gonadotropins in prepubertal male rats. Fujii T, et al. **Endocrinol Jpn** 1980 Dec;27(6):753–8

Studies on the mode of action of calciferol. XXXIV. Relationship of the distribution of 25-hydroxyvitamin D3 metabolites to gonadal activity and egg shell formation in the quail. Bar A, et al. **Endocrinology** 1981 Sep;109(3):950–5

The regulation of luteinizing hormone secretion by estrogen: relationships among negative feedback, surge potential, and male stimulation in juvenile, peripubertal, and adult female mice. Bronson FH. **Endocrinology** 1981 Feb;108(2):506–16

Ontogeny of pituitary GnRH receptors in the rat. Chan V, et al. **Endocrinology** 1981 Jun;108(6):2086–92

Pituitary and gonadal gonadotropin-releasing hormone receptors during sexual maturation in the rat. Dalkin AC, et al. **Endocrinology** 1981 May;108(5):1658–64

Medial basal hypothalamic disconnection and the onset of puberty in the female rhesus monkey. Krey LC, et al. **Endocrinology** 1981 May;108(5):1944–8

Brain lesions in infant female rhesus monkeys: effects on menarche and first ovulation and on diurnal rhythms of prolactin and cortisol. Norman RL, et al. **Endocrinology** 1981 May;108(5):1723–9

Maturation of the clock-timed gonadotropin release mechanism in hamsters: a key event in the pubertal process? Smith SG 3d, et al. **Endocrinology** 1980 Nov;107(5):1334–7

Endocrine correlates of sexual development in the male monkey, Macaca fascicularis. Steiner RA, et al. **Endocrinology** 1981 Sep;109(3):914–9

Changes in ovarian LHRH receptor content during the onset of puberty in the female rat. White SS, et al. **Endocrinology** 1981 Jan;108(1):347–9

Changes in ovarian luteinizing hormone and follicle-stimulating hormone receptor content and in gonadotropin-induced ornithine decarboxylase activity during prepubertal and pubertal development of the female rat. White SS, et al. **Endocrinology** 1981 Jul;109(1):152–61

Further studies on the hypothalamic desensitization to estrogen in immature female rats: evidence for a possible role in the control of puberty. Döcke F, et al. **Endokrinologie** 1981;77(1):1–12 (44 ref.)

Pituitary gonadotropin content and gonadosomatic index in Clarias batrachus a fresh water teleost. Gupta DK, et al. **Endokrinologie** 1980;75(3):299–303

Role of the hypothalamo-pituitary-liver axis in sex differences in susceptibility of the liver to toxic agents. Gustafsson JA, et al. **Environ Health Perspect** 1981 Apr; 38:129–41

The limbic system and female sexual maturation. Döcke F. **Exp Brain Res** 1981;Suppl 3:208–21 (66 ref.)

Patterns of amygdaloid and arcuate electroencephalograms associated with puberty in the female rat. Johnson JH. **Exp Neurol** 1980 Sep;69(3):639–47

Androgen levels in the rete testis fluid during sexual development. Harris ME, et al. **Experientia** 1981 Apr 15; 37(4):426–7

Changes in the concentrations of plasma cortisol and thyroxine during sexual maturation o the hatchery-reared brown trout, Salmo trutta L. Pickering AD, et al. **Gen Comp Endocrinol** 1981 Aug;44(4):487–96

Hormonal and behavioral changes at puberty in the squirrel monkey. Coe CL, et al. **Horm Behav** 1981 Mar;15(1):36–53

Effects of adrenalectomy on the presence of a maturation-delaying pheromone in the urine of female mice. Drickamer LC, et al. **Horm Behav** 1980 Jun; 14(2):146–52

Inhibition of sexual maturation by a urinary pheromone in male prairie deer mice. Lawton AD, et al. **Horm Behav** 1979 Oct;13(2):128–38

Study of physical growth and sexual maturation in a high socio-economic group from Bombay. Rais N, et al. **Indian J Pediatr** 1980 Sept-Oct;47(388):395–402

Serum prolactin levels in the prepubertal period in male and female rats. Control by photoperiod and gonadal status and relationship to puberty onset. Ramaley JA. **Int J Androl** 1981 Feb;4(1):91–104

Sexual maturation of boars and growth of swine exposed to extended photoperiod during decreasing natural photoperiod. Berger T, et al. **J Anim Sci** 1980 Sep; 51(3):672–8

Influence of confinement and season of the year on puberty and estrous activity of gilts. Christenson RK. **J Anim Sci** 1981 Apr;52(4):821–30

Mature weight, maturation rate, maternal performance and their interrelationships in purebred and crossbred cows of angus and milking shorthorn parentage. Stewart TS, et al. **J Anim Sci** 1981 Jan;52(1):51–6

Adrenarche: changing adrenal response to adrenocorticotropin. Rich BH, et al. **J Clin Endocrinol Metab** 1981 Jun;52(6):1129–36

Evidence for dissociation between adrenarche and gonadarche: studies in patients with idiopathic precocious puberty, gonadal dysgenesis, isolated gonadotropin deficiency, and constitutionally delayed growth and adolescence. Sklar CA, et al. **J Clin Endocrinol Metab** 1980 Sep;51(3):548–56

Effects of rearing environment on adrenal weights, sexual development, and behavior in gerbils: an examination of Richter's domestication hypothesis. Clark MM, et al. **J Comp Physiol Psychol** 1980 Oct;94(5):857–63

Role of testosterone in the sexual dimorphism of adrenal activity at puberty in the guinea-pig. El Hani A, et al. **J Endocrinol** 1980 Dec;87(3):455–61

Effect of administration of dopaminergic agonists on the uterine responsiveness to oestrogen in maturing rats. Hernandez DE, et al. **J Endocrinol** 1980 Sep;86(3):383–6

A progesterone-dependent step in ovulation induced by human chorionic gonadotrophin in immature rats primed with pregnant mare serum gonadotrophin. Kohda H, et al. **J Endocrinol** 1980 Oct;87(1):105–7

Conversion of testosterone to 5 beta-reduced metabolites in the neuroendocrine tissues of the maturing cockerel. Massa R, et al. **J Endocrinol** 1981 Feb;88(2):263–9

Effects of neonatal adrenalectomy and castration on hormonal changes in pubertal bulls. Peterson AJ, et al. **J Endocrinol** 1980 Dec;87(3):351–6

Importance of the episodic nature of luteinizing hormone secretion for normal development of the bovine testis during puberty: interference with oestradiol-17 beta. Schanbacher BD. **J Endocrinol** 1981 Mar;88(3):393–400

Negative feedback of secretion of follicle-stimulating hormone by the pituitary gland of developing male rats. Sheth AR, et al. **J Endocrinol** 1980 Dec;87(3):401–7

Somatotype, physical growth, and sexual maturation in young male smokers. Lall KB, et al. **J Epidemiol Community Health** 1980 Dec;34(4):295–8

Effects of urine from conspecifics on sexual maturation in female prairie deermice, Peromyscus maniculatus bairdii. Lombardi JR, et al. **J Mammal** 1980 Nov;61(4):766–8

The effect of crowding on the maturation of gonads in pine voles, Microtus pinetorum. Schadler MH. **J Mammal** 1980 Nov;61(4):769–74

Social factors influencing delayed reproductive maturation in prairie deermice (Peromyscus maniculatus bairdii) in laboratory populations. Terman CR. **J Mammal** 1980 May; 61(2):219–23

Prolactin release induced by histamine in maturing male and female rats. Alvarez EO, et al. **J Neural Transm** 1980; 49(3):187–95

Sexual dimorphism in binding and metabolism of cortisol during puberty in the guinea pig. El Hani A, et al. **J Physiol (Paris)** 1980;76(1):25–8

Influence of boar contact on attainment of puberty in gilts after removal of the olfactory bulbs. Kirkwood RN, et al. **J Reprod Fertil** 1981 Jan;61(1):193–6

Inhibition of maturational changes in Leydig cell function by treatment of rats with an agonist of LH-RH. Sharpe RM, et al. **J Reprod Fertil** 1980 Nov;60(2):359–68

The endocrine basis of sexual development in the chimpanzee. Winter JS, et al. **J Reprod Fertil [Suppl]** 1980; Suppl 28:131–8 (17 ref.)

The in vitro metabolism of androgens in rat epididymis during sexual development. de Larminat MA, et al. **J Steroid Biochem** 1980 Oct;13(10):1207–13

Pubertal changes in androgen composition of rat rete testis and cauda epididymal fluids. Foldesy RG, et al. **J Steroid Biochem** 1981 Jan;14(1):109–10

Exteroceptive factors, sexual maturation and reproduction in the female rat. Norris ML, et al. **Lab Anim** 1979 Jul; 13(3):283–6

Growth and maturation during adolescence. Tanner JM. **Nutr Rev** 1981 Feb;39(2):43–55 (14 ref.)

Adolescents' self-assessment of sexual maturation. Duke PM, et al. **Pediatrics** 1980 Dec;66(6):918–20

Changes in plasma, pituitary and brain alpha-MSH content in rats from birth to sexual maturity. Thody AJ, et al. **Peptides (Fayetteville)** 1980 Summer;1(2):125–9

Effects of environmental temperature on the concentration of serum estradiol, progesterone, and calcium in maturing female domestic fowl. Tojo H, et al. **Poult Sci** 1980 Dec; 59(12):2797–2802

Effects of ambient temperature on sexual maturity in chickens. Vo KV, et al. **Poult Sci** 1980 Nov;59(11):2532–7

Photorefractoriness and sexual response in aging partridge kept under constant long- and short-day photoperiods. Woodard AE, et al. **Poult Sci** 1980 Sep;59(9):2145–50

Obesity and external sexual maturation---the Bogalusa Heart Study. Voors AW, et al. **Prev Med** 1981 Jan;10(1):50–61

Isolation, culture, and immunocytochemical characterization of epididymal epithelial cells from pubertal and adult rats. Kierszenbaum AL, et al. **Proc Natl Acad Sci USA** 1981 Mar;78(3):1675–9

Influence of chronic prolactin suppression during puberty on the development of dimethylbenz(a)anthracene-induced mammary tumors. Cohen LA. **Proc Soc Exp Biol Med** 1981 Jun;167(2):275–8

Plasma free hydroxyproline, growth, and sexual maturity in the scoliotic chicken. Lin HJ, et al. **Proc Soc Exp Biol Med** 1980 Nov;165(2):345–8

Puberty onset in males and females fed a high fat diet. Ramaley JA. **Proc Soc Exp Biol Med** 1981 Feb;166(2):294–6

Growth and maturation of adolescents with idiopathic scoliosis. Drummond DS, et al. **Spine** 1980 Nov-Dec; 5(6):507–11

Growth and maturation arrest, hypochromic anemia and hyperglobulinemia associated with a brain tumor. Connors MH. **West J Med** 1980 Aug;133(2):160–3

[Puberty and adult height in congenital virilizing adrenal hyperplasia (author's transl)] Himon F, et al. **Ann Pediatr (Paris)** 1981 Mar;28(3):187–92 (Eng. Abstr.) **(Fre)**

[Establishment of spermatogenesis in guinea-pigs at puberty] Robert A. **C R Soc Biol (Paris)** 1980;174(3):262–7 (Eng. Abstr.) **(Fre)**

[Sexual maturation in mentally retarded children] Varga L. **Union Med Can** 1981 Apr;110(4):332–42 (Eng. Abstr.) **(Fre)**

[Tanner scale in the evaluation of work capacity of obese children in health camps] Gołębiowska M, et al. **Pediatr Pol** 1980;55(11):1199–205 (Eng. Abstr.) **(Pol)**

[Role of the hypothalamo-hypophyseal axis in the process of sex maturation] Koehler B, et al. **Pediatr Pol** 1980; 55(11):1255–9 **(Pol)**

[Standardization of sexual maturity indices of children and adolescents] Ulanova LN, et al. **Pediatriia** 1981 Apr;(4):70 **(Rus)**

DRUG EFFECTS

LH-induced testicular steroid secretion after FSH treatment in immature and young adult hypophysectomized rats. Nazian SJ, et al. **Arch Androl** 1981 Feb;6(1):33–8

5 alpha-androstane-3 alpha, 17 beta-diol: inhibitor of sexual maturation in the female rat. Kraulis I, et al. **Biol Reprod** 1981 Mar;24(2):445–53

Variable sensitivity of prepubertal male rats to inhibin-like activity of bull seminal plasma and to testosterone propionate. Peek JC, et al. **Biol Reprod** 1981 Apr; 24(3):475–82

Effect of manipulating central catecholamines on puberty and the surge of luteinizing hormone and gonadotropin releasing hormone induced by pregnant mare serum gonadotropin in female rats. Sarkar DK, et al. **Brain Res** 1981 Jun 1;213(2):335–49

Activation of growth hormone short loop negative feedback delays puberty in the female rat. Advis JP, et al. **Endocrinology** 1981 Apr;108(4):1343–52

Hyperprolactinemia-induced precocious puberty: studies on the mechanism(s) by which prolactin enhances ovarian progesterone responsiveness to gonadotropins in prepubertal rats. Advis JP, et al. **Endocrinology** 1981 Apr; 108(4):1333–42

Changes in ovarian 3 alpha-androstanediol response to human chorionic gonadotropin during puberty in the rat: modulatory role of prolactin. Advis JP, et al. **Endocrinology** 1981 Jul;109(1):223–8

Onset of puberty and ovarian steroidogenesis following administration of ochratoxin A. Gupta M, et al. **Endokrinologie** 1980;75(3):292–8

Prevention of histogenic alterations of testis of dexamethasonized immature rat under the treatment of exogenous dehydroepiandrosterone & testosterone propionate. Chowdhury AR, et al. **Indian J Exp Biol** 1980 Oct;18(10):1181–3

Surgical removal of the olfactory bulbs increases sensitivity of the reproductive system of female rats to the inhibitory effects of late afternoon melatonin injections. Reiter RJ, et al. **J Exp Zool** 1980 Apr;212(1):47–52

Chlorambucil treatment in minimal lesion nephrotic syndrome: a reappraisal of its gonadal toxicity. Callis L, et al. **J Pediatr** 1980 Oct;97(4):653–6

Control of puberty in female rats: the effect of PTU-induced hypothyroidism and systematic undernutrition. Wilen R, et al. **Pediatr Res** 1981 Feb;15(2):169–71

The early influence of aflatoxin upon sexual maturation in the male Japanese quail. Ottinger MA, et al. **Poult Sci** 1980 AUG;59(8):1750–4

[Trials to eliminate the sex odor of growing boars through active immunization with an androstenone-protein conjugate] Fliess FR, et al. **Arch Exp Veterinaermed** 1980; 34(2):227–33 (Eng. Abstr.) **(Ger)**

[Effects of prenatal alcohol consumption upon fecundity, natality, growth, vaginal opening and sexual cycle in the rat (author's transl)] Fueyo-Silva A, et al. **Reproduccion** 1980 Jul-Sep;4(3):265–70 (Eng. Abstr.) **(Spa)**

RADIATION EFFECTS

Participation of the eyes in the photosexual response of Japanese quail (Coturnix coturnix japonica). Siopes TD, et al. **Biol Reprod** 1980 Sep;23(2):352–7

Prolactin concentrations in the pituitary gland and plasma of Japanese quail in relation to photoperiodically induced sexual maturation and egg laying. Goldsmith AR, et al. **Gen Comp Endocrinol** 1980 Dec;42(4):449–54

Effect of increasing day length and intermittent lighting schedules in the domestic hen on plasma concentrations of luteinizing hormone (LH) and the LH response to exogenous progesterone. Wilson SC, et al. **Gen Comp Endocrinol** 1980 Aug;41(4):546–53

SEX OFFENSES

see related

PARAPHILIAS

Sexual abuse in children. Koch M. **Adolescence** 1980 Fall; 15(59):643–8

Child abuse [letter] Duncan KP, et al. **Am J Dis Child** 1980 Oct;134(10):1001–2

Treatment of sex offenders with antiandrogenic medication: conceptualization, review of treatment modalities, and preliminary findings. Berlin FS, et al. **Am J Psychiatry** 1981

May;138(5):601–7
Treatment of sex offenders with medroxyprogesterone acetate. Gagné P. **Am J Psychiatry** 1981 May;138(5):644–6
The ethics of antiandrogen therapy [editorial] Halleck SL. **Am J Psychiatry** 1981 May;138(5):642–3
Retinopathy in the sexually abused battered child. San Martin R, et al. **Ann Ophthalmol** 1981 Jan;13(1):89–91
Sexual behavior of castrated sex offenders. Heim N. **Arch Sex Behav** 1981 Feb;10(1):11–9
The child victim's role in sexual assault by adults. Gruber KJ. **Child Welfare** 1981 Jul–Aug;60(5):305–11
The effect of cyproterone acetate on serum testosterone, LH, FSH, and prolactin in male sexual offenders. Jeffcoate WJ, et al. **Clin Endocrinol (Oxf)** 1980 Aug;13(2):189–95
Management of sexual molestation in preschoolers. Funk JB. **Clin Pediatr (Phila)** 1980 Oct;19(10):686–8
Sexual offenses committed against children: an analysis of 73 cases of child sexual abuse. Scherzer LN, et al. **Clin Pediatr (Phila)** 1980 Oct;19(10):679, 683–5
Childhood sexual abuse: a recent review of the literature. Price JM, et al. **J Am Med Wom Assoc** 1981 Jul;36(7):232–4 (23 ref.)
The criminal fantasy technique: a comparison of sex offenders and substance abusers. Schlesinger LB, et al. **J Clin Psychol** 1981 Jan;37(1):210–8
Management of childhood sexual abuse. Orr DP. **J Fam Pract** 1980 Dec;11(7):1057–64
The importance of examining skin and hair for semen in sexual assault cases. Enos WF, et al. **J Forensic Sci** 1981 Jul;26(3):605–7
Incest and molestation: problems of childhood sexuality. Tsai M, et al. **Med Times** 1981 Jul;109(7):16s–22s
Sexual abuse of children: case finding and clinical assessment. Thomas JN, et al. **Nurs Clin North Am** 1981 Mar; 16(1):179–88
The medical diagnosis of sexual abuse in the premenarcheal child. Pascoe DJ, et al. **Pediatr Ann** 1981 May;10(5):40–5
Sexual misuse: rape, molestation, and incest. Woodling BA, et al. **Pediatr Clin North Am** 1981 May;28(2):481–99
Sex offences against young girls: a long-term record study. Gibbens TC, et al. **Psychol Med** 1981 May;11(2):351–7
Hysterical seizures: the role of sexual exploitation. LaBarbera JD, et al. **Psychosomatics** 1980 Nov;21(11):897–903
Some factors for analysis in sexual assault. Schneider DJ, et al. **Soc Sci Med [a]** 1981 Jan;15A(1):55–61
[Criminal aspects of sex offenses. Problems of detection in cases of rape and sexual coercion (sections 177, 178 of the penal code)] Teufert E. **Arch Kriminol** 1980 Nov–Dec; 166(5–6):175–84 **(Ger)**

CLASSIFICATION

The juvenile sex offender: questionable labelling. Margolin L. **Med Trial Tech Q** 1980 Winter–Spring;27:1–7

LEGISLATION & JURISPRUDENCE

Public manifestations of personal morality: Limitations on the use of solicitation statutes to control homosexual cruising. Bell JJ. **J Homosex** 1979–80 Fall–Winter; 5(1–2):97–114

SEX PRESELECTION see under **GENETIC INTERVENTION**

SEX RATIO

Sex ratio in families with X-linked ichthyosis [letter] Adam A. **Am J Hum Genet** 1980 Sep;32(5):763–4
Sex ratio and placentation in twins. James WH. **Ann Hum Biol** 1980 May–Jun;7(3):273–6
Gonadotrophin and the human secondary sex ratio. James WH. **Br Med J** 1980 Sep 13;281(6242):711–2
The effect of artificial and spontaneous abortions on the secondary human sex ratio. Golovachev GD, et al. **Hum Biol** 1980 Dec;52(4):721–9
On the absence of implicit sex-preference in Ghana. Goody J, et al. **J Biosoc Sci** 1981 Jan;13(1):87–96
The human sex ratio and factors influencing family size in Japan. Gray E, et al. **J Hered** 1980 Nov–Dec;71(6):411–5
Fertility and sex ratio of offspring of female HBsAg carriers. Livadas D, et al. **J R Soc Med** 1979 Jul;72(7):509–12
Evidence for the role of the maternal immune system in balancing the sex ratio in mice. Shalev A, et al. **J Reprod Immunol** 1980 Nov;2(4):187–98
Sex ratio under the haystack model. Bulmer MG, et al. **J Theor Biol** 1980 Sep 7;86(1):83–9
Sex ratio changes and the evolution of eusociality in the hymenoptera: simulation and games theory studies. Craig R. **J Theor Biol** 1980 Nov 7;87(1):55–70
Group sex ratio and sex reversal. Shapiro DY. **J Theor Biol** 1980 Apr 7;83(3):411–6
Local male competition and the sex ratio. Taylor PD, et al. **J Theor Biol** 1980 Oct 7;86(3):409–19
Race, season, gonadotrophin, and sex ratio [letter] **Lancet** 1980 Nov 8;2(8202):1032–3
Gonadotrophin and sex ratio [letter] Lyster WR. **Lancet** 1980 Sep 20;2(8195 pt 1):648
Coitus-induced ovulation and sex ratio in man. Bartoš L. **Med Hypotheses** 1980 Sep;6(9):899–906
Secondary sex ratios and coition rates in Canberra [letter] Wells R. **Med J Aust** 1980 Jul 12;2(1):46
Sex ratio evolution in a variable environment. Charnov EL, et al. **Nature** 1981 Jan 1;289(5793):27–33
DDT-induced feminization of gull embryos. Fry DM, et al. **Science** 1981 Aug 21;213(4510):922–4
Sex ratio in indigenous cows (Bos indicus in Nigeria). Kumi-Diaka J. **Trop Anim Health Prod** 1981 Feb;13(1):48
Increasing the proportion of heifer calves [letter] Wells R. **Vet Rec** 1980 Aug 9;107(6):139
[Sex ratio of children of fathers with spermatic disorders following hormone therapy] Sas M, et al. **Orv Hetil** 1980 Nov 16;121(46):2807–8 **(Hun)**

SEX REVERSAL, GONADAL

The partial transsexual. Blank RJ. **Am J Psychother** 1981 Jan;35(1):107–12
The postsurgical transsexual: empirical and theoretical considerations. Lothstein LM. **Arch Sex Behav** 1980 Dec; 9(6):547–64
Experimental transformation of right gonads of female fowl in to fertile testes. Frankenhuis MT, et al. **Biol Reprod** 1980 Oct;23(3):526–9
Intact testosterone receptor complex does not induce RNA synthesis of Tfm-nuclei in multinucleated urethral muscle fibres of mosaic mice. Thiedemann KU, et al. **Histochemistry** 1981;70(2):123–8
Sex-reversed XY females with campomelic dysplasia are H-Y negative. Bricarelli FD, et al. **Hum Genet** 1981; 57(1):15–22
Group sex ratio and sex reversal. Shapiro DY. **J Theor Biol** 1980 Apr 7;83(3):411–6
Medicolegal aspects of transsexualism. Twardy S. **Med Trial Tech Q** 1980 Winter–Spring;27:249–314
A method of preserving the glans penis as a clitoris in sex conversion operations in male transsexuals. Rubin SO. **Scand J Urol Nephrol** 1980;14(3):215–7
[Morphological and quantitative study of induced sex reversal in Rana esculenta tadpoles] Zaccanti F, et al. **Arch Ital Anat Embriol** 1979;84(4):375–88 (Eng. Abstr.) **(Ita)**

METHODS

Use of sigmoid colon in sex reassignment operations. Dalton JR. **Urology** 1981 Mar;17(3):223–7

SEXUAL ABSTINENCE see under **SEX BEHAVIOR**

SEZARY SYNDROME

Cutaneous T-cell lymphomas. A review of the recent literature. Zackheim HS. **Arch Dermatol** 1981 May; 117(5):295–304
[Sézory syndrome from the internist's viewpoint] Konrads A, et al. **Med Welt** 1980 Apr 25;31(17):611–3 **(Ger)**

BLOOD

Cellular kinetics in a patient with Sezary syndrome. Chandra PO, et al. **Am J Hematol** 1981 Jun;10(4):327–29
Absolute number of circulatory sézary cells. Winkelmann RK, et al. **Arch Dermatol** 1981 Jul;117(7):382
Patterns of cell proliferation and cell migration in the Sézary syndrome. Bunn PA Jr, et al. **Blood** 1981 Mar;57(3):452–63
Biophysical characterization of normal T-lymphocytes and Sézary cells. Vonderheid EC, et al. **J Invest Dermatol** 1981 Jan;76(1):28–37

COMPLICATIONS

Monoclonal gammopathies in Sézary syndrome: a report of four new cases and a review of the literature. Kövary PM, et al. **Cancer** 1981 Aug 1;48(3):788–92
[Sézary syndrome with monoclonal gammopathy (letter)] Ferme F, et al. **Nouv Presse Med** 1981 Mar 21;10(13):1074 **(Fre)**

DIAGNOSIS

Sézary syndrome after successful treatment of Hodgkin's disease. Büchner SA. **Arch Dermatol** 1981 Jan;117(1):50–4
The relevance of morphometry in the differential diagnosis of cutaneous T cell lymphomas. van der Loo EM, et al. **Br J Dermatol** 1981 Mar;104(3):257–69
Sézary's syndrome: a case report including ultrastructural and immunohistochemical characterization of the cellular infiltrates. Katoh M, et al. **J Dermatol (Tokyo)** 1981 Feb; 8(1):53–61

DRUG THERAPY

Photochemotherapy of Sézary syndrome. Kövary PM, et al. **Dermatologica** 1981;162(2):112–7

ENZYMOLOGY

Adenosine deaminase activity in peripheral lymphocytes of psoriasis and Sézary's syndrome: possible significance in T-lymphocyte dysfunction. Iizuka H, et al. **J Dermatol (Tokyo)** 1980 Jun;7(3):165–9
Current concepts. Biochemical markers in lymphoid malignancy. Blatt J, et al. **N Engl J Med** 1980 Oct 16; 303(16):918–22 (57 ref.)

ETIOLOGY

Sézary syndrome occurring ten years after monoclonal gammapathy treated for four years by chlorambucil. Ferme F, et al. **Leuk Res** 1981;5(2):169–71

FAMILIAL & GENETIC

Chromosome markers and evidence for clone formation in lymphocytes of a patient with Sézary syndrome. Liang JC, et al. **Cancer Res** 1980 Oct;40(10):3426–9

IMMUNOLOGY

Surface antigens on malignant Sézary and T-CLL cells correspond to those of mature T cells. Boumsell L, et al. **Blood** 1981 Mar;57(3):526–30
Studies on a Sézary lymphocyte popoulation with T-suppressor activity. Suppression of Ig synthesis of normal peripheral blood lymphocytes. Hopper JE, et al. **Clin Immunol Immunopathol** 1980 Sep;17(1):43–54
Cell surface differentiation antigens of the malignant T cell in Sezary syndrome and mycosis fungoides. Haynes BF, et al. **J Clin Invest** 1981 Feb;67(2):523–30
Phenotypic characterization of cutaneous T-cell lymphoma. Use of monoclonal antibodies to compare with other malignant T cells. Haynes BF, et al. **N Engl J Med** 1981 May 28;304(22):1319–23
[Sezary syndrome with serum monoclonal immunoglobulin. Absence of detectable shared idiotype between the monoclonal immunoglobulin and membrane structures of the Sezary cells (author's transl)] Preud'homme JL, et al. **Nouv Presse Med** 1980 Mar 12;9(17):1215–7 (Eng. Abstr.) **(Fre)**
[Sézary syndrome. Clinical, immunological and proliferative kinetics] Marosi L, et al. **Acta Med Austriaca** 1979; 6(5):237–40 (Eng. Abstr.) **(Ger)**
[Living Sézary cells in vitro: formation of autologous rosettes (author's transl)] Bauer R, et al. **Arch Dermatol Res** 1980; 269(3):261–8 (Eng. Abstr.) **(Ger)**
[Sézary's syndrome with an unusual immunologic picture] Sakalová A, et al. **Vnitr Lek** 1980 Oct;26(10):974–81 (Eng. Abstr.) **(Slo)**

METABOLISM

DNA content analysis by flow cytometry and cytogenetic analysis in mycosis fungoides and Sézary syndrome. Bunn PA Jr, et al. **J Clin Invest** 1980 Jun;65(6):1440–8

PATHOLOGY

Sézary syndrome with unusual undifferentiated cells. Coppola A, et al. **Am J Clin Pathol** 1981 Jul;76(1):103–8
Proliferation kinetics of Sézary cells. Schwarzmeier JD, et al. **Blood** 1981 Jun;57(6):1049–54
Prognostic significance of cytomorphology in the cutaneous T-cell lymphomas. Vonderheid EC, et al. **Cancer** 1981 Jan 1;47(1):119–25
Sézary syndrome-an unusual case. Weinerman BH, et al. **Cancer** 1981 Jun 15;47(12):2946–51
Whence the Sézary cell? [letter] Hsu SD. **N Engl J Med** 1980 Nov 13;303(20):1180–1
T-cell lines established from human T-lymphocytic neoplasias by direct response to T-cell growth factor. Poiesz BJ, et al. **Proc Natl Acad Sci USA** 1980 Nov; 77(11):6815–9
Diagnostic morphometry of isolated lymph node cells from patients with mycosis fungoides and Sézary's syndrome. van der Loo EM, et al. **Virchows Arch [Cell Pathol]** 1980; 33(2):107–16
[Sézary syndrome--clinical aspects and histology] Kerl H. **Z Hautkr** 1980 Oct 1;55(19):1269–73 **(Ger)**
[Cytologic and cytochemical studies in Sézary syndrome] Löffler H. **Z Hautkr** 1980 Oct 1;55(19):1274–80 **(Ger)**
[Sézary syndrome] Albero F, et al. **Actas Dermosifiliogr** 1980 Nov–Dec;71(11–12):435–40 (Eng. Abstr.) **(Spa)**

RADIOTHERAPY

Effectiveness of once weekly total skin electron beam therapy in mycosis fungoides and Sezary syndrome. Nisce LZ, et al. **Cancer** 1981 Mar 1;47(5):870–6

THERAPY

Cytapheresis in a patient with Sezary syndrome. Bongiovanni MB, et al. **Transfusion** 1981 May–Jun;21(3):332–4

SGOT see **ASPARTATE AMINOTRANSFERASE**

SGPT see **ALANINE AMINOTRANSFERASE**

SHAME see under **GUILT**

SHARED PARANOID DISORDER

Folie à deux. Factitious ulcers. Hubler WR Jr, et al. **Arch Dermatol** 1980 Nov;116(11):1303–4
Folie Imposée [letter] Gajwani AK. **Can J Psychiatry** 1980 Dec;25(8):696–7

FAMILIAL & GENETIC

[Review of 'folie à deux' apropos of a case involving 2 sisters] Ortega Millán A, et al. **Actas Luso Esp Neurol Psiquiatr** 1980 Nov–Dec; 8(6):497–502 (Eng. Abstr.) **(Spa)**

PSYCHOLOGY

Partnership in transsexualism. Part II. The nature of the partnership. Huxley PJ, et al. **Arch Sex Behav** 1981 Apr; 10(2):143–60

Folie à famille: a family therapist's perspective. Wikler L. **Fam Process** 1980 Sep;19(3):257–68

On the pathology of the separation–individuation process as manifested in later clinical work: an attempt at delineation. Pine F. **Int J Psychoanal** 1979;60(Pt 2):225–42

Suicide pacts: a review. Rosen BK. **Psychol Med** 1981 Aug; 11(3):525–33

SHARKS

Myoglobins of cartilaginous fishes III. Amino acid sequence of myoglobin of the shark Galeorhinus australis. Fisher WK, et al. **Aust J Biol Sci** 1981;34(1):5–10

The production of artificial caries–like lesions in shark enameloid in vitro. Clement JG, et al. **Caries Res** 1981; 15(5):451–2

Non–fatal shark attack at Maui. Welch K, et al. **Hawaii Med J** 1981 Apr;40(4):95–6

ANATOMY & HISTOLOGY

Different regional specializations of neurons in the ganglion cell layer and inner plexiform layer of the California horned shark, Heterodontus francisci. Peterson EH, et al. **Brain Res** 1980 Nov 10;201(1):195–201

Ascending spinal systems in the nurse shark, Ginglymostoma cirratum. Ebbesson SO, et al. **Cell Tissue Res** 1981; 216(2):313–31

Cell types of the endocrine pancreas in the shark Scyliorhinus stellaris as revealed by correlative light and electron microscopy. Kobayashi K, et al. **Cell Tissue Res** 1981; 215(3):475–90

The microvasculature of the elasmobranch gill. Olson KR, et al. **Cell Tissue Res** 1980;209(1):49–63

The hypothalamic–hypophyseal system and its evolutionary aspects in Scyliorhinus caniculus. van de Kamer JC, et al. **Cell Tissue Res** 1981;214(3):575–82

Medullary and cerebellar projections of the statoacoustic nerve of the dogfish, Scyliorhinus canicula. Boord RL, et al. **J Comp Neurol** 1980 Sep 1;193(1):57–68

Two visual pathways to the telencephalon in the nurse shark (Ginglymostoma cirratum). I. Retinal projections. Luiten PG. **J Comp Neurol** 1981 Mar 10;196(4):531–8

Two visual pathways to the telencephalon in the nurse shark (Ginglymostoma cirratum). II. Ascending thalamo–telencephalic connections. Luiten PG. **J Comp Neurol** 1981 Mar 10;196(4):539–48

Efferent tectal pathways in two chondrichthyans, the shark Scyliorhinus canicula and the ray Raja clavata. Smeets WJ. **J Comp Neurol** 1981 Jan 1;195(1):13–23

Retinofugal pathways in two chondrichthyans, the shark Scyliorhinus canicula and the ray Raja clavata. Smeets WJ. **J Comp Neurol** 1981 Jan 1;195(1):1–11

Freeze–fracture and morphometric analysis of occluding junctions in rectal glands of elasmobranch fish. Ernst SA, et al. **J Membr Biol** 1981 Feb 15;58(2):101–14

[Demonstration of bone tissue in the axial skeleton of a chondrichthian: the dogfish (Scyliorhinus canicula)] Peignoux–Deville J, et al. **C R Acad Sci [D] (Paris)** 1981 Jan 5;292(1):73–8 (Eng. Abstr.) **(Fre)**

BLOOD

Plasma glucose levels increase after partial hypophysectomy (ACTH removal) and sham surgery in the spiny dogfish shark (Squalus acanthias). DeRoos CC, et al. **Gen Comp Endocrinol** 1980 Oct;42(2):270–3

Effects of synthetic mammalian gonadotrophin releasing hormone and dogfish hypothalamic extracts on levels of androgens and oestradiol in the circulation of the dogfish (Scyliorhinus canicula L.). Jenkins N, et al. **J Endocrinol** 1980 Jul;86(1):171–7

EMBRYOLOGY

Development of dentition and dermal skeleton in embryonic Scyliorhinus canicula. Reif WE. **J Morphol** 1980 Dec; 166(3):275–88

GENETICS

Immunoglobulin diversity in the phylogenetically primitive shark, Heterodontus francisci. Suggested lack of structural variation between light chains isolated from different animals. Litman GW, et al. **J Immunogenet** 1980 Jun; 7(3):197–206

IMMUNOLOGY

Phylogeny of immunoglobulin structure and function––VIII. Intermolecular heterogeneity of shark 19S IgM antibodies to pneumococcal polysaccharide. Shankey TV, et al. **Mol Immunol** 1980 Mar;17(3):365–75

Lack of heterogeneity in antihapten antibodies of a phylogenetically primitive shark. Mäkelä O, et al. **Nature** 1980 Oct 16;287(5783):639–40

METABOLISM

Strongly bound nucleotide derivatives in lactate dehydrogenase from the sixgill shark. Spencer SG, et al. **Arch Biochem Biophys** 1980 Nov;205(1):169–74

Chemical nature of proteins in the placoid scale of the blue shark, Prionace glauca L. Kawasaki H, et al. **Arch Oral Biol** 1980;25(5):313–20

Myoglobins of cartilaginous fishes. II. Isolation and amino acid sequence of myoglobin of the shark Mustelus antarcticus. Fisher WK, et al. **Aust J Biol Sci** 1980 May; 33(2):153–67

Study of dogfish (Scyliorhinus caniculus) deoxyribonucleic acid polymerase alpha and beta. Extraction, separation, characterization and changes during spermatogenesis. Philippe M, et al. **Biochem J** 1980 Sep 1;189(3):635–9

Some properties of a steroid–binding protein in the plasma of an ovoviviparous dogfish, Squalus acanthias, at different stages of the life cycle. Ho SM, et al. **Biol Reprod** 1980 Sep;23(2):281–9

Distribution of radioactivity in the chondrichthyes Squalus acanthias and the osteichthyes Salmo gairdneri following intragastric administration of (9–14C)phenanthrene. Solbakken JE, et al. **Bull Environ Contam Toxicol** 1980 Dec;25(6):902–8

Simulation of the enzymatic reaction of dogfish M4 lactate dehydrogenase: a molecular orbital study on the reactivity of pyruvate. Umeyama H, et al. **Chem Pharm Bull (Tokyo)** 1980 Oct;28(10):2874–83

A comparative study of elasmobranch corneal and scleral collagens. Conrad GW, et al. **Exp Eye Res** 1981 Jun; 32(6):659–72

Comparative studies of glucose metabolism in corneas of the dogfish shark, longhorn sculpin and rainbow trout. Geroski DH, et al. **Exp Eye Res** 1981 Feb;32(2):133–41

Comparison of the eye lens proteins from embryonic and adult spiny dogfish(Squalus acanthias). Leenen PJ, et al. **Exp Eye Res** 1981 Apr;32(4):467–74

Glutamine synthetase activity in subdivisions of brain of the shark, Squalus acanthias. Webb JT, et al. **Experientia** 1980 Aug 15;36(8):903–4

Comparative aspects of blood–brain exchange. Fenstermacher JD. **Fed Proc** 1980 Dec;39(14):3201–6 (22 ref.)

Metal content of shark muscle powder biological reference material. Taguchi M, et al. **J Assoc Off Anal Chem** 1981 Mar;64(2):260–4

Natural occurrence but lack of melanotrophic activity of gamma–MSH in fish. McLean C, et al. **Nature** 1981 Mar 26;290(5804):341–3

PHYSIOLOGY

Vascular response of the dogfish and sculpin to angiotensin II. Carroll RG. **Am J Physiol** 1981 Mar;240(3):R139–43

Nuclear basic protein changes during spermiogenesis in the longnose skate and the spiny dogfish. Bols NC, et al. **J Exp Zool** 1980 Jun;212(3):423–33

SHARP SYNDROME see **MIXED CONNECTIVE TISSUE DISEASE**

SHEEHAN'S SYNDROME see **HYPOPITUITARISM**

SHEEP

Inexpensive techniques for the production and maintenance of gnotobiotic piglets, calves and lambs. Makin TJ, et al. **Aust Vet J** 1980 Aug;56(8):353–8

Comparative study of some body fluids of pregnant and non–pregnant ewes–Preliminary information. Omer MM, et al. **Beitr Trop Landwirtsch Veterinaermed** 1980; 18(2):159–63

Steroid hormones and the metabolism of oxygen by the uterus of pregnant sheep after ovariectomy. Caton D, et al. **Biol Reprod** 1981 Apr;24(3):557–64

Sheep, shows and statistics. Madel AJ. **Br Vet J** 1980 Nov–Dec;136(6):612–3

The detection of pregnancy in sheep by a–mode ultrasound. Meredith MJ, et al. **Br Vet J** 1980 Jul–Aug;136(4):325–30

Small quantities of 131I in thyroids of sheep from Wales. Van Middlesworth L. **Health Phys** 1981 Apr;40(4):525–7

Relationship of neonatal mortality in lambs to serologic status of the ewe for Toxoplasma gondii. Huffman EM, et al. **J Am Vet Med Assoc** 1981 Apr 1;178(7):679–82

Influence of estradiol–17 beta on fertility in confined sheep inseminated with frozen semen. Langford GA, et al. **J Anim Sci** 1980 Oct;51(4):911–6

Testosterone influences on growth, performance, carcass characteristics and composition of young market lambs. Schanbacher BD, et al. **J Anim Sci** 1980 Sep;51(3):685–91

FSH or FSH plus LH superovulation in ewes following estrus synchronization with medoxyprogesterone acetate pessaries. Wright RW Jr, et al. **J Anim Sci** 1981 Jan; 52(1):115–8

Small ruminant production in the humid tropical zone of southern Nigeria. Matthewman RW. **Trop Anim Health Prod** 1980 Nov;12(4):234–42

Population and production parameters of sheep under traditional management in semi–arid areas of Africa. Wilson RT. **Trop Anim Health Prod** 1980 Nov;12(4):243–50

[The composition of Merino flocks in the Republic of South Africa (author's transl)] Van der Walt K. **J S Afr Vet Assoc** 1980 Jun;51(2):115–7 (Eng. Abstr.) **(Afr)**

[Superfetation of spontaneous superfetation and double parturition in an ewe (author's transl)] Schuyt G. **Tijdschr Diergeneeskd** 1981 Feb 1;106(3):125–7 (Eng. Abstr.) **(Dut)**

[Transfer of an embryo in sheep under field conditions (author's transl)] Cysouw CJ, et al. **Tijdschrift Voor Diergeneeskd** 1981 May 15;106(10):515–8 (Eng. Abstr.) **(Dut)**

[Delayed parturition in sheep by clenbuterol (author's transl)] König CD, et al. **Tijdschrift Voor Diergeneeskd** 1981 May 1;106(9):431–7 (Eng. Abstr.) **(Dut)**

[Reproduction characteristics of the Oudah ewe] Gaillard Y. **Rev Elev Med Vet Pays Trop** 1979;32(3):285–90 (Eng. Abstr.) **(Fre)**

[Sexual behaviour of Oudah ram] Gaillard Y. **Rev Elev Med Vet Pays Trop** 1979;32(4):379–89 (Eng. Abstr.) **(Fre)**

[Morbidity among shepherds in summer pastures] Menlikulov PR. **Sov Zdravookhr** 1981;(3):29–34 (Eng. Abstr.) **(Rus)**

ANATOMY & HISTOLOGY

Acrosomal and nuclear morphogenesis in ram spermatids: an experimental study of hypophysectomized and testosterone–supplemented animals. Courtens JL, et al. **Anat Rec** 1980 Jun;197(2):143–52

The significance of certain skin characters of sheep in resistance and susceptibility to fleece–rot and body strike. Watts JE, et al. **Aust Vet J** 1980 Feb;56(2):57–63

Volume of the conducting airways calculated from morphometric parameters. Horsfield K, et al. **Bull Math Biol** 1981;43(1):101–9

Destruction of Hassall's corpuscles by macrophages in the sheep thymus. Kotani M, et al. **Cell Tissue Res** 1981; 217(1):49–54

Fate of the theca interna following ovulation in the ewe. O'Shea JD, et al. **Cell Tissue Res** 1980;210(2):305–19

Ultrastructure of the pars intermedia of the adult sheep hypophysis. Perry RA, et al. **Cell Tissue Res** 1981; 217(1):211–23

Smooth muscle cells in the testicular capsule of the horse, pig and sheep. Chacon–Arellano JT, et al. **J Anat** 1980 Sep;131(Pt 2):263–73

Electron microscopic observations on the epithelium of ram seminal vesicles. Plöen L. **J Anat** 1980 May;130(3):507–12

Effect of breed, slaughter weight and sex on histological properties of ovine muscle. Solomon MB, et al. **J Anim Sci** 1981 May;52(5):1019–25

Anatomic variations of efferent duct from caudal mediastinal lymph node in sheep. Landolt CC, et al. **J Appl Physiol** 1981 Jun;50(6):1372–4

Separation of ovine oligodendrocytes into two distinct bands on a linear sucrose gradient. Szuchet S, et al. **J Neurosci Methods** 1980 Oct;3(1):7–19

A study of the population of primordial and small follicles in the sheep. Cahill LP, et al. **J Reprod Fertil** 1981 Jan; 61(1):201–6

Evaluation of techniques for studying the arterial system of the brain of domestic ruminants. Guerra–Pereira ML, et al. **J S Afr Vet Assoc** 1979 Jun;50(2):101–5

Estimation of liver mass in sheep. van Ryssen JB. **J S Afr Vet Assoc** 1980 Mar;51(1):37–9

Effect of breed–type on carcass weight and composition in sheep. Gaili ES. **Trop Anim Health Prod** 1979 Nov; 11(4):191–8

[Effect of diluents for long–term storage on the acrosomes of ram spermatozoa] Fornusek L, et al. **Vet Med (Praha)** 1981;26(4):213–21 (Eng. Abstr.) **(Cze)**

[Posterior hypothalamic region in Ovis aries L. I. Mammilary body nucleus] Horáková A, et al. **Gegenbaurs Morphol Jahrb** 1981;127(1):39–51 (Eng. Abstr.) **(Ger)**

[Peculiarities of the innervation of paranasal cavity mucosa in Ovis aries] Budetta G, et al. **Boll Soc Ital Biol Sper** 1980 Jun 15;56(11):1211–4 (Eng. Abstr.) **(Ita)**

[The sensory nerve contingent of the proximal sesamoid ligament of the sheep] Panu R, et al. **Boll Soc Ital Biol Sper** 1980 Jan 30;56(2):176–8 (Eng. Abstr.) **(Ita)**

[Experimental studies on the parasympathetic nervous system of the trachea] Eustachiewicz R, et al. **Pol Arch Weter** 1979;22(2):219–24 (Eng. Abstr.) **(Pol)**

[Types of 3d cerebral ventricle ependyma in sheep and their localization using segment analysis] Staníková A, et al. **Vet Med (Praha)** 1980;25(12):705–15 (Eng. Abstr.) **(Slo)**

BLOOD

Experimental studies on early weaned lambs. III. Haematological appraisal of protein and amino–acid nutrition. Jécsai J, et al. **Acta Vet Acad Sci Hung** 1980; 28(2):167–75

Acute oral median lethal dose of haloxon and coumaphos in sheep as influenced by plasma A esterase. Baker NF, et al. **Am J Vet Res** 1980 Nov;41(11):1857–9

Influence of plasma A esterase on anthelmintic action of haloxon in sheep. Baker NF, et al. **Am J Vet Res** 1980 Nov;41(11):1854–6

Silicon in plasma of sheep. Hidiroglou M, et al. **Am J Vet Res** 1981 Jan;42(1):138–9

Effects of somatostatin and glucagon on the utilization of [2–(14)C]propionate in glucose production in vivo in sheep. Brockman RP, et al. **Aust J Biol Sci** 1980 Aug;33(4):457–64

Plasma LH and FSH in ewes that were either fertile or infertile after long–term grazing of oestrogenic pasture.

Rodgers RJ, et al. **Aust J Biol Sci** 1980 May;33(2):213–20

An examination of the selenium nutrition of sheep in Victoria. Caple IW, et al. **Aust Vet J** 1980 Apr;56(4):160–7

'A'–esterase activity in the lipoprotein fraction of sheep serum. Mackness MI, et al. **Biochem Pharmacol** 1981 Apr 15;30(8):903–6

Erythrocyte gamma–glutamylcysteine synthetase from normal and low–glutathione sheep. Board PG, et al. **Biochim Biophys Acta** 1980 Jun 13;613(2):534–41

Possible duplication of the hemoglobin alpha chain locus in sheep. Vestri R, et al. **Biochim Biophys Acta** 1980 Oct 21; 625(2):328–36

The effects of soya–bean oil and type of forage in the diet on the plasma lipid composition of sheep. Steele W. **Br J Nutr** 1980 Nov;44(3):333–41

Plasma biochemical parameters in castrated rams on testosterone. Chiboka O, et al. **Br Vet J** 1981 May–Jun; 137(3):250–5

Progesterone levels in peripheral plasma of Rocky Mountain bighorn ewes (Ovis canadensis) during the estrous cycle and pregnancy. Whitehead PE, et al. **Can J Zool** 1980 Jun; 58(6):1105–8

Studies of sheep red blood cell membranes, using cleavable crosslinking reagents. Brandon DL. **Cell Mol Biol** 1980; 26(5):569–73

Cryorenin in the newborn human and lamb. Siegel SR, et al. **Early Hum Dev** 1981 May;5(2):151–6

Ultradian and seasonal rhythms in plasma gonadotropins, prolactin, cortisol, and testosterone in pinealectomized rams. Kennaway DJ, et al. **Endocrinology** 1981 Feb; 108(2):639–46

The effects of glucagon, tolbutamide, and cholecystokinin octapeptide on plasma insulin and glucose concentrations in sheep. Godden PM, et al. **Gen Comp Endocrinol** 1981 Mar;43(3):405–8

Distribution and respiratory properties of sheep hemoglobins A and B containing the II alphaHis chain. Vestri R, et al. **Hemoglobin** 1981;5(4):391–402

Glycolipid and p 40 are the binding sites in the sheep erythrocyte and T–lymphocyte membrane responsible for rosette formation. Gürtler LG. **Immunobiology** 1981 Jun; 158(5):426–38

Cation transport in different volume populations of genetically low K+ lamb red cells. Lauf PK, et al. **J Cell Physiol** 1980 Sep;104(3):283–93

Progestagen metabolites in fetal sheep plasma: the effect of fetal nephrectomy. Dolling M, et al. **J Dev Physiol** 1979 Oct;1(5):399–413

Mixed rosette assay for the detection of T mu and T gamma lymphocytes. Cnossen J, et al. **J Immunol Methods** 1980; 36(3–4):197–209

Additional pathway of transfer of uterine prostaglandin F–2 alpha to the ovary in sheep. Alwachi SN, et al. **J Reprod Fertil** 1981 Jan;61(1):197–200

Effect of lamb age, breed and sex on plasma LH after administration of GnRH. Hanrahan JP, et al. **J Reprod Fertil** 1981 Mar;61(2):281–8

Prostaglandins in the umbilical and uterine circulations during late pregnancy in the ewe. Mitchell MD, et al. **J Reprod Fertil** 1980 Mar;58(2):283–7

Association between glutathione, haemoglobin and transferrin in finnsheep. Atroshi F, et al. **Med Biol** 1980 Apr;58(2):112–6

Regional blood flows in newborn lambs during endotracheal continuous airway pressure and continuous negative pressure breathing. Furzan JA, et al. **Pediatr Res** 1981 May; 15(5):874–8

Effect of xylazine on plasma glucose, glucagon and insulin concentrations in sheep. Brockman RP. **Res Vet Sci** 1981 May;30(3):383–4

Growth hormone, insulin, prolactin and total thyroxine in the plasma of sheep implanted with the anabolic steroid trenbolone acetate alone or with oestradiol. Donaldson IA, et al. **Res Vet Sci** 1981 Jan;30(1):7–13

A semi–quantitative spot test for glutathione peroxidase in blood of cattle and sheep for the assessemt of biological selenium status. Berrett S, et al. **Vet Rec** 1979 Aug 18; 105(7):145–6

Modified fluorescent spot test for glutathione peroxidase and selenium concentration in sheep blood. Peter DW. **Vet Rec** 1980 Aug 30;107(9):193–6

[Amino acid content n the blood serum of sheep orally and duodenally administered methionine] Tsvetkov V, et al. **Vet Med Nauki** 1980;17(1):95–103 (Eng. Abstr.) **(Bul)**

[Amino acid content in the blood serum of sheep given methionine perorally and intravenously] Tsvetkova V, et al. **Vet Med Nauki** 1980;17(2):12–9 (Eng. Abstr.) **(Bul)**

[Half–life of galactose in the blood plasma of lambs and sheep and the effect on various blood components after an i.v. galactose solution infusion] Kouider S, et al. **Arch Exp Veterinaermed** 1980;34(2):259–67 (Eng. Abstr.) **(Ger)**

[Radioimmunologic technics for luteinizing hormone determination in cattle and sheep] Walther D, et al. **Arch Exp Veterinaermed** 1980;34(4):469–81 (Eng. Abstr.) **(Ger)**

[A method for morphological characterization of the same cell in light and scanning electron microscopy exemplified by blood leukocytes of sheep (author's transl)] Nolte I, et al. **Blut** 1980 Jun;40(6):407–16 (Eng. Abstr.) **(Ger)**

[Effect of fasting on the concentration of amide nitrogen in the blood plasma of sheep] Rybošová E, et al. **Vet Med (Praha)** 1981 Mar;26(3):177–82 (Eng. Abstr.) **(Slo)**

[Amide nitrogen in blood plasma of sheep] Rybošová E, et al. **Vet Med (Praha)** 1981 Jan;26(1):59–64 (Eng. Abstr.) **(Slo)**

EMBRYOLOGY

Feto–placental hormones in fetal growth and in birth. Porter DG. **Acta Paediatr Belg** 1980 Apr–Jun;33(2):91–4

A radiographic study of the changes in skeletal growth and development of the foetus caused by poor nutrition in the pregnant ewe. Wenham G. **Br Vet J** 1981 Mar–Apr; 137(2):176–87

Responsiveness and maximum secretory capacity of isolated fetal lamb adrenocortical cells throughout the last third of gestation. Magyar DM, et al. **Endocrinology** 1980 Nov; 107(5):1582–6

Stimulation of breathing movements in fetal sheep by inhibitors of prostaglandin synthesis. Kitterman JA, et al. **J Dev Physiol** 1979 Dec;1(6):453–66

Pulmonary maturation in the hypophysectomised ovine fetus. Differential responses to adrenocorticotrophin and cortisol. Liggins GC, et al. **J Dev Physiol** 1981 Feb;3(1):1–14

Effects of adrenaline and amino acids on the release of insulin in the sheep fetus. Fowden AL. **J Endocrinol** 1980 Oct; 87(1):113–21

Breathing movements in fetal lambs and the effect of hypercapnia. Chapman RL, et al. **J Physiol (Lond)** 1980 May;302:19–29

Bile acid metabolism in fetal sheep; perinatal changes in the bile acid pool. Hardy KJ, et al. **J Physiol (Lond)** 1980 Dec; 309:1–11

Chest wall movements during fetal breathing in the sheep. Poore ER, et al. **J Physiol (Lond)** 1980 Apr;301:307–15

The viability of early cleavage stages containing half the normal number of blastomeres in the sheep. Willadsen SM. **J Reprod Fertil** 1980 Jul;59(2):357–62

[Formation of muscle bundles in sheep embryogenesis] Nadzhafov DA. **Dokl Akad Nauk SSSR** 1981;258(2):480–4 **(Rus)**

GENETICS

Two–dimensional gel electrophoresis of sheep plasma proteins: genetic polymorphism of an alphal–protease inhibitor and a post–transferrin. Juneja RK, et al. **Anim Blood Groups Biochem Genet** 1980;11(2):81–92

Close linkage between the C blood group locus and the locus controlling amino acid transport in sheep erythrocytes. Tucker EM, et al. **Anim Blood Groups Biochem Genet** 1980; 11(2):119–25

Comparative aspects of biochemical polymorphism in the blood of Caprinae species and their hybrids. Tucker EM, et al. **Anim Blood Groups Biochem Genet** 1980;11(3):163–83

A physical study of the ovine genome. Reisner AH, et al. **Biochim Biophys Acta** 1980 Aug 26;609(1):97–106

A 53,X female sheep (Ovis aries). Zartman DL, et al. **Cytogenet Cell Genet** 1981;30(1):54–8

A cytogenetic study of a Barbary sheep (Ammotragus lervia) x domestic goat (Capra hircus) hybrid. Dain AR. **Experientia** 1980 Dec 15;36(12):1358–60

Analysis of bovideae genomes: Part II—Genome characterization of goat & sheep. Mehra U, et al. **Indian J Biochem Biophys** 1980 Feb;17(1):8–11

Sire effect on fatty acid composition of ovine adipose tissue. Ch'ang TS, et al. **J Anim Sci** 1980 Dec;51(6):1314–20

Coat–color gene suppresses sexual activity in Icelandic sheep. Dýrmundsson OR, et al. **J Hered** 1980 Sep–Oct;71(5):363–4

Studies on hybridization between a Barbary ram (Ammotragus lervia) and domestic ewes (Ovis aries) and nanny goats (Capra hircus). Moore NW, et al. **J Reprod Fertil** 1981 Jan;61(1):79–82

Gene expression in visna virus infection in sheep. Brahic M, et al. **Nature** 1981 Jul 16;292(5820):240–2

Breeding for improving wool production. Malik RC, et al. **Trop Anim Health Prod** 1980 Aug;12(3):177–83

Factors affecting lamb survival in crossbred sheep. Malik RC, et al. **Trop Anim Health Prod** 1980 Nov;12(4):217–23

Chromosome studies in Brazilian rams. Moraes JC, et al. **Vet Rec** 1980 Nov 22;107(21):489–90

GROWTH & DEVELOPMENT

Photoperiodic regulation of growth: a photosensitive phase during light–dark cycle. Schanbacher BD, et al. **Am J Physiol** 1981 Jul;241(1):E1–5

Lasalocid for improved weight gains and control of Coccidia in lambs. Foreyt WJ, et al. **Am J Vet Res** 1981 Jan; 42(1):57–60

Magnesium, calcium and phosphorus response in the blood and tissues of the ovine injected with cholecalciferol. Thomas RJ, et al. **Int J Vitam Nutr Res** 1981;51(1):16–25

Growth and performance of growing–finishing lambs exposed to long or short photoperiods. Schanbacher BD, et al. **J Anim Sci** 1980 Oct;51(4):943–8

Post–weaning growth and development of Nigerian Dwarf sheep. Orji BI, et al. **Trop Anim Health Prod** 1981 May; 13(2):101–6

Correct use of anabolic agents in ruminants. Reynolds IP. **Vet Rec** 1980 Oct 18;107(16):367–9

IMMUNOLOGY

Production and antigenic effect of experimental sheep adenovirus vaccines. Pálfi V, et al. **Acta Microbiol Acad Sci Hung** 1980;27(2):135–9

Distribution of T and B lymphocytes in blood and lymphoid tissues of fetal and adult sleep. Chandra P, et al. **Am J Vet Res** 1980 Dec;41(12):2092–4

Cytotoxic antibody in cattle and sheep exposed to bovine leukemia virus. Honma T, et al. **Arch Virol** 1980;66(4):293–9

A serological survey for bluetongue virus antibody in Western Australia. Coackley W, et al. **Aust Vet J** 1980 Oct;56(10):487–91

Antibody–containing cell response of sheep to intestinal infusion of killed Brucella abortus cells. Beh KJ. **Cell Immunol** 1980 Aug 15;54(1):70–8

Immunoregulatory influence of thymic epithelium and thymopoietin on human B–lymphocyte differentiation. Pahwa S, et al. **Cell Immunol** 1980 Nov;56(1):40–6

A study of human–type ABH antigens on erythrocytes and in saliva of sheep. Prodanov P. **Folia Haematol (Leipz)** 1980;107(2):305–13

Delayed–type hypersensitivity in the mouse: effect of vinblastine on sensitization by sheep red blood cells. Kettman J, et al. **Immunopharmacology** 1979 Dec;2(1):73–82

The effect of sire selection on the response of lambs to vaccination with irradiated Trichostrongylus colubriformis larvae. Dineen JK, et al. **Int J Parasitol** 1980 Jun; 10(3):189–96

Immunological responsiveness of maternal and foetal lymphocytes during normal pregnancy in the ewe. Miyasaka M, et al. **J Reprod Immunol** 1981 May;3(1):15–27

Circulating antibodies to ovine and bovine immunoglobulin in healthy subjects: a hazard for immunoassays [letter] Hunter WM, et al. **Lancet** 1980 Nov 22;2(8204):1136

A modified complement fixation test that is subject to minimal anti–complementary activity by sheep serum. Jonas W, et al. **NZ Vet J** 1980 Aug;28(8):163–5

Characterization of suppressor cells in mice with a transplantable malignant melanoma. Stelzer GT, et al. **Oncology** 1980;37(6):397–405

The pathogenesis of renal allograft rejection: an experimental investigation in sheep. James MP, et al. **Pathology** 1980 Jul;12(3):359–69

Immune response of steers, goats and sheep to inactivated Rift Valley Fever vaccine. Yedloutschnig RJ, et al. **Proc Annu Meet US Anim Health Assoc** 1979;(83):253–60

Factors regulating tapeworm populations: estimations of the duration of acquired immunity by sheep to Taenia hydatigena. Gemmell MA, et al. **Res Vet Sci** 1981 Jan; 30(1):53–6

An attempt to vaccinate sheep against Fasciola hepatica using a juvenile fluke antigen sheep antibody complex. Sandeman RM, et al. **Res Vet Sci** 1980 Sep;29(2):255–9

Haemonchus contortus: attempts to immunise lambs with irradiated larvae. Smith WD, et al. **Res Vet Sci** 1980 Jul; 29(1):45–50

Neutralising antibodies to Akabane virus in ruminants in Cyprus. Sellers RF, et al. **Trop Anim Health Prod** 1981 Feb;13(1):57–60

The prevalence of antibodies to Mycobacterium johnei in colostrum deprived lambs. Muhammed SI, et al. **Vet Rec** 1979 Jul 7;105(1):11–2

[Effect of the cAMP–dependent phosphorylation of sheep erythrocyte membrane on their ability to induce a humoral immune response] Novikova VM, et al. **Biull Eksp Biol Med** 1980 JUL;89(7):82–4 (Eng. Abstr.) **(Rus)**

METABOLISM

Transmission of zearalenone and its metabolite into ruminant milk. Hagler WM, et al. **Acta Vet Acad Sci Hung** 1980; 28(2):209–16

Experimental studies on early–weaned lambs. I. Development of gastric digestion and metabolic changes during weaning. Szegedi B, et al. **Acta Vet Acad Sci Hung** 1980;28(1):71–84

Experimental studies on early–weaned lambs. II. Nitrogen and amino acid metabolism. Szelényi–Galántai M, et al. **Acta Vet Acad Sci Hung** 1980;28(1):85–96

Experimental studies on early weaned lambs. IV. Energy and gas metabolism. Teleki M, et al. **Acta Vet Acad Sci Hung** 1980;28(2):177–88

Fractionation of soluble molybdenum–binding proteins from liver, kidney, plasma and erythrocytes from sheep supplemented with molybdenum. Norheim G, et al. **Acta Vet Scand** 1980;21(3):428–37

Comparison of human and sheep chorion laeve permeability to glucose, beta–hydroxybutyrate, and glycerol. Seeds AE, et al. **Am J Obstet Gynecol** 1980 Nov 15;138(6):604–8

Fetal–maternal transfer and catabolism of ovine 125I–labeled alpha–fetoprotein. Mears GJ, et al. **Am J Physiol** 1981 Feb; 240(2):E191–6

Glucose and lactate metabolism in vivo in ovine fetus. Prior RL. **Am J Physiol** 1980 Sep;239(3):E208–14

Transfer of tritium–labeled vitamin D3 and 25–hydroxyvitamin D3 in ovine placenta. Hidiroglou M, et al. **Am J Vet Res** 1981 Jan;42(1):140–1

Manipulating energy metabolism in sheep exposed to cold. Horton GM. **Am J Vet Res** 1981 Jan;42(1):146–8

Pharmacokinetics of oxfendazole in sheep. Marriner SE, et al. **Am J Vet Res** 1981 Jul;42(7):1143–5

Pharmacokinetics of fenbendazole in sheep. Marriner SE, et

al. **Am J Vet Res** 1981 Jul;42(7):1146–8

Pharmacokinetics of albendazole in sheep. Marriner SE, et al. **Am J Vet Res** 1980 Jul;41(7):1126–9

Metabolic and hormonal response to chronic maternal fasting in the ewe. Schreiner RL, et al. **Ann Nutr Metab** 1981 Jan–Feb;25(1):38–47

Utilization of lactic acid and cardiovascular response in the sheep fetus receiving an infusion of lactic acid. Kastendieck E, et al. **Arch Gynecol** 1980;230(1):21–32

Effects of internally administered N-[5-(4-aminophenoxy)pentyl]phthalimide on wool follicles and skin of sheep. Chapman RE, et al. **Aust J Biol Sci** 1980 May;33(2):183–95

Sulfur and methionine metabolism in sheep. V. Utilization of methionine isomers. Doyle PT. **Aust J Biol Sci** 1981; 34(1):47–59

Sulfur and methionine metabolism in sheep. IV. Metabolism and absorption in the intestines. Doyle PT, et al. **Aust J Biol Sci** 1980 Jun;33(3):303–7

Liver cobalt concentrations of sheep and cattle from Western Victoria [letter] Rentsch AD. **Aust Vet J** 1980 Sep; 56(9):458–9

Low release of selenium from recovered ruminal pellets. Wilkins JF, et al. **Aust Vet J** 1980 Feb;56(2):87–9

The uptake of dipping fluid and persistence of diazinon on shower-dipped sheep [letter] Wilkinson FC. **Aust Vet J** 1980 Nov;56(11):561–2

Short chain acyl-CoA synthetases in ovine rumen epithelium. Scaife JR, et al. **Biochim Biophys Acta** 1980 Aug 11; 619(2):445–50

Hemoglobin switching in sheep: a comparison of the erythropoietin-induced switch to HbC and the fetal to adult hemoglobin switch. Barker JE, et al. **Blood** 1980 Sep; 56(3):488–94

Hemoglobin switching in sheep: characteristics of BFU-E-derived colonies from fetal liver. Barker JE. **Blood** 1980 Sep;56(3):495–500

Phosphorus kinetics in the sheep. Grace ND. **Br J Nutr** 1981 Mar;45(2):367–74

Quantitative studies of food protein degradation and the energetic efficiency of microbial protein synthesis in the rumen of sheep given chopped lucerne and rolled barley. Mathers JC, et al. **Br J Nutr** 1981 May;45(3):587–604

Rumen bacterial protein synthesis and the proportion of dietary protein escaping degradation in the rumen of sheep. Mercer JR, et al. **Br J Nutr** 1980 May;43(3):421–33

Acetate supply and utilization by the tissues of sheep in vivo. Pethick DW, et al. **Br J Nutr** 1981 Jul;46(1):97–110

Metabolism of the nucleic acids of rumen bacteria by preruminant and ruminant lambs. Razzaque MA, et al. **Br J Nutr** 1981 May;45(3):517–27

The response of serum 25-hydroxyvitamin D concentrations to vitamin D intake and insolation in sheep. Smith BS, et al. **Br J Nutr** 1980 May;43(3):533–40

The digestibility of amino acids in the small intestine of the sheep. Tas MV, et al. **Br J Nutr** 1981 Jan;45(1):167–74

The nutritive value of silages. Digestion of organic matter, gross energy and carbohydrate constituents in the rumen and intestines of sheep receiving diets of grass silage or grass silage and barley. Thomas PC, et al. **Br J Nutr** 1980 May;43(3):481–9

The nutritive value of silages. Digestion of nitrogenous constituents in sheep receiving diets of grass silage and grass silage and barley. Thomas PC, et al. **Br J Nutr** 1980 May;43(3):469–79

Effect of different levels of dietary molybdenum on copper and Mo metabolism in sheep fed on high levels of Cu. Van Ryssen JB, et al. **Br J Nutr** 1981 Jan;45(1):203–10

Short-term fluctuations in the concentration of cortisol and progesterone in fetal plasma, maternal plasma, and amniotic and allantoic fluids from sheep during late pregnancy. Challis JR, et al. **Can J Physiol Pharmacol** 1981 Mar; 59(3):261–7

Trace elements in the fetal and neonate ruminant: a review. Hidiroglou M. **Can Vet J** 1980 Dec;21(12):328–35 (92 ref.)

Immunohistochemical localization of gonadotropin-releasing hormone (GnRH) in the brain and infundibulum of the sheep. Dees WL, et al. **Cell Tissue Res** 1981;215(1):181–91

Cement kiln dusts as a selenium source in sheep rations. Hogue DE, et al. **Cornell Vet** 1981 Jan;71(1):69–75

Structure of the asialyl oligosaccharide chains of kappa-casein isolated from ovine colostrum. Soulier S, et al. **Eur J Biochem** 1980 Jul;108(2):465–72

DNA-associated proteins of ram sperm nuclei. Avramova Z, et al. **FEBS Lett** 1980 Aug 25;118(1):58–62

Nitrogen metabolism of growing lambs fed coastal bermudagrass as influenced by formaldehyde treatment and glucose. Amos HE, et al. **J Anim Sci** 1980 Sep;51(3):712–21

Thiamin balance in the gastrointestinal tract of sheep. Breves G, et al. **J Anim Sci** 1980 Nov;51(5):1177–81

Arsenic in tissues of sheep and milk of dairy cows fed arsanilic acid and 3-nitro-4-hydroxyphenylarsonic acid. Calvert CC, et al. **J Anim Sci** 1980 Aug;51(2):414–21

Linear models for calculating digestibile energy for sheep diets. Fonnesbeck PV, et al. **J Anim Sci** 1981 May; 52(5):1183–96

Estriol- and estradiol-17 beta-induced luteinizing hormone release in ovariectomized cows and ewes. Forrest DW, et al. **J Anim Sci** 1981 May;52(5):1106–13

Factors affecting function of induced corpora lutea in postpartum anestrous ewes. Lewis GS, et al. **J Anim Sci** 1981 May;52(5):1122–9

Effect of lactose supplement on digestion of lucerne hay by sheep. I. Sites of organic matter and nitrogen digestion. Poncet C, et al. **J Anim Sci** 1980 Jul;51(1):180–5

Effect of lactose supplement on digestion of lucerne hay by sheep. II. Absorption of magnesium and calcium in the stomach. Rayssiguier Y, et al. **J Anim Sci** 1980 Jul; 51(1):186–92

Testosterone regulation of luteinizing hormone and follicle stimulating hormone secretion in young male lambs. Schanbacher BD. **J Anim Sci** 1980 Sep;51(3):679–84

Effects of breed and zeranol implantation on serum insulin, somatomedin-like activity and fibroblast proliferative activity. Wangsness PJ, et al. **J Anim Sci** 1981 Jan; 52(1):57–62

Surfactant metabolism of newborn lamb lungs studied in vivo. Jobe A, et al. **J Appl Physiol** 1980 Dec;49(6):1091–8

Effect of carrier and administration on luteinizing hormone release by gonadotropin releasing hormone. Kesler DJ, et al. **J Dairy Sci** 1980 Dec;63(12):2121–5

Transfer of long-chain fatty acids to the fetal and neonatal lamb. Leat WM, et al. **J Dev Physiol** 1980 Aug;2(4):257–74

Failure of short-term hyperprolactinaemia to increase the number of gonadotrophin receptors in the ram testis. Barenton B. **J Endocrinol** 1981 Mar;88(3):451–4

A survey of the location, isolation and identification of indoles, pteridines and some unknown active substances in sheep pineals. The possible significance of pteridines for the neuroendocrine control of neoplastic growth. Ebels I. **J Neural Transm** 1980;49(1–2):87–105

Thiamin deficiency in the lamb: changes in thiamin phosphate esters in the brain. Thornber EJ, et al. **J Neurochem** 1980 Sep;35(3):713–7

Effect of intraportal and continuous intrajugular administration of insulin on feeding in sheep. Deetz LE, et al. **J Nutr** 1980 Oct;110(10):1983–91

Effect of intrajugular administration of insulin on feed intake, plasma glucose and plasma insulin of sheep. Deetz LE, et al. **J Nutr** 1980 Oct;110(10):1976–82

Glucose and lactate absorption and metabolic interrelationships in lambs switched from low to high concentrate diets. Huntington GB, et al. **J Nutr** 1980 Sep; 110(9):1904–13

Availability of phosphorus contained in poultry litter for lambs. Tagari H, et al. **J Nutr** 1981 Mar;111(3):405–11

Ovine and bovine metallothioneins: accumulation and depletion of zinc in various tissues. Whanger PD, et al. **J Nutr** 1981 Jul;111(7):1196–206

Ovine and bovine metallothioneins: purification, number of species, zinc content and amino acid composition. Whanger PD, et al. **J Nutr** 1981 Jul;111(7):1207–15

A micropuncture investigation of electrolyte transport in the parotid glands of sodium-replete and sodium-depleted sheep. Compton JS, et al. **J Physiol (Lond)** 1980 Dec; 309:429–46

Delayed development of amiloride-sensitive sodium transport in lamb distal colon. Hills F, et al. **J Physiol (Lond)** 1980 Jun;303:371–84

Oestrogen sulphatase and sulphotransferase activities in the endometrium of the sow and ewe during pregnancy. Dwyer RJ, et al. **J Reprod Fertil** 1980 Sep;60(1):187–91

Ovine placental lactogen in the cotyledonary and intercotyledonary placenta of the ewe. Watkins WB, et al. **J Reprod Fertil** 1980 Mar;58(2):411–4

Localization of ovine placental lactogen in sheep placentomes by electron microscope immunocytochemistry. Wooding FB. **J Reprod Fertil** 1981 May;62(1):15–9

The effects of urea and artificial saliva on rumen bacterial protein synthesis in sheep receiving a high-cereal diet. Chamberlain DG, et al. **J Sci Food Agric** 1980 May; 31(5):432–8

The extent of hydrogenation of two formaldehyde-treated spray-dried mixtures of soya bean oil and casein fed to sheep. Clapperton JL. **J Sci Food Agric** 1980 May; 31(5):439–47

The metabolism of 18:0 and 18:2(n-6) by the ovine placenta at 120 and 150 days of gestation. Shand JH, et al. **Lipids** 1981 Jan;16(1):68–71

A comparison of vitamin B12 levels in the livers and sera of sheep measured by microbiological and radioassay methods. Millar KR, et al. **NZ Vet J** 1980 May;28(5):97–9

The use of faecal analyses to estimate the phosphorus intake by grazing sheep. I. The use of pool instead of individual samples. Belonje PC, et al. **Onderstepoort J Vet Res** 1980 Sep;47(3):163–7

The use of faecal analyses to estimate the phosphorus intake by grazing sheep. II. The repeatibility of the technique and the influence of varying the phosphorus intake. Belonje PC, et al. **Onderstepoort J Vet Res** 1980 Sep;47(3):169–72

Glucose turnover, tolerance and insulin response in wethers, ewes and pregnant ewes in the fed and fasted state. Van der Walt JG, et al. **Onderstepoort J Vet Res** 1980 Sep; 47(3):173–8

Histochemistry of glomerular cells in animal models of crescentic glomerulonephritis. Holdsworth SR, et al. **Pathology** 1980 Jul;12(3):339–46

Phosphatidic acid phosphohydrolase and phospholipids in tracheal and amniotic fluids during normal ovine pregnancy. Rosenfeld CR, et al. **Pediatr Res** 1980 Jul; 14(7):891–3

Effects of colostrum on summit metabolic rate in Scottish blackface lambs at five hours old. Eales FA, et al. **Res Vet Sci** 1981 May;30(3):266–9

Summit metabolism in newborn lambs. Eales FA, et al. **Res Vet Sci** 1980 Sep;29(2):211–8

The utilisation of glycerol by sheep. Ford EJ, et al. **Res Vet Sci** 1980 Nov;29(3):346–52

Location and secretion of gastric intrinsic factor in the sheep. McKay EJ, et al. **Res Vet Sci** 1981 May;30(3):261–5

The linoleic acid status of the newborn lamb and thermoregulation. Noble RC, et al. **Res Vet Sci** 1981 Jan; 30(1):129–30

Influence of sex hormones on the subcellular distribution of copper in sheep liver. Russanov E, et al. **Res Vet Sci** 1981 Mar;30(2):223–5

Effect of lactation on the concentrations of protein, lipids and nucleic acids in ovine skeletal muscle. Smith RW, et al. **Res Vet Sci** 1981 Mar;30(2):253–4

Comparison of measurements of glucose flux rates in wethers and in pregnant and lactating ewes using C14 and H3 labelled tracers. Wilson S, et al. **Res Vet Sci** 1981 Mar; 30(2):205–12

Ruminant methane delta(13C/12C) values: relation to atmospheric methane. Rust F. **Science** 1981 Mar 6; 211(4486):1044–6

Regulation of steroidogenesis in the ovine corpus luteum. Silavin SL, et al. **Steroids** 1980 Aug;36(2):229–41

Absorption of polychlorinated biphenyl by the ovine lymphatic system. Ziprin RL, et al. **Vet Hum Toxicol** 1980 Oct;22(5):305–8

Urea transfer in ruminants. 1. Method for determination of urea transfer in sheep. Ahmed MH, et al. **Z Tierphysiol Tierernaeher Futtermittelkd** 1981; 45(5):268–74

Urea transfer in ruminants. 2. Net urea transfer in sheep under semi-arid conditions. Borhami BE, et al. **Z Tierphysiol Tierernaeher Futtermittelkd** 1981; 45(5):274–86

Effect of serum glucose changes on milk intake of suckling lambs. Koppel J, et al. **Z Tierphysiol Tierernaeher Futtermittelkd** 1981;45(4):200–4

Factors influencing faecal nitrogen excretion in sheep. 1. The digestibility and level of intake of pelleted diets. Mason VC. **Z Tierphysiol Tierernaeher Futtermittelkd** 1981; 45(4):161–73

Factors influencing faecal nitrogen excretion in sheep. 2. Carbohydrate fermentation in the caecum and large intestine. Mason VC, et al. **Z Tierphysiol Tierernaeher Futtermittelkd** 1981; 45(4):174–84

The stability of sheep faeces during collection. Mason VC. **Z Tierphysiol Tierernaeher Futtermittelkd** 1980; 44(3):139–45

Proteinase inhibitor in lamb meconium and faeces (LMPI). Purification, pattern of inhibition and in vivo experiments. Baintner K Jr. **Zentralbl Veterinaermed [A]** 1980 Jun; 27(4):303–10

Ammonia detoxication in sheep during constant or limited access to feed with varied quantity and quality of nitrogen compounds. Motyl T. **Zentralbl Veterinaermed [A]** 1980 Jul;27(5):349–57

Comparison of the pharmacokinetics of albendazole and its major metabolites after oral administration of albendazole as a suspension and as a paste formulation to sheep. Marriner SE, et al. **Zentralbl Veterinaermed [B]** 1981; 28(1):19–26

[Thermal sensitivity of aldolase isoenzymes in the organs of cattle, sheep and swine] Goranov Kh. **Vet Med Nauki** 1980; 17(8):8–13 (Eng. Abstr.) **(Bul)**

[Pharmacokinetic model studies of sulfamerazine in domestic mammals. 1. Elimination of Mebacid 200 following intravenous administration to large animals] Losch K, et al. **Arch Exp Veterinaermed** 1980;34(3):443–9 (Eng. Abstr.) **(Ger)**

[Pharmacokinetic findings following the oral application of granulated Mebacid in cattle, calves and sheep] Losch K, et al. **Arch Exp Veterinaermed** 1981;35(1):109–13 (Eng. Abstr.) **(Ger)**

[Activity of disaccharidases in growing sheep. 3. Fattening lambs 5 to 18 weeks of age] Fahmy Abdel Hakim N, et al. **Arch Tierernaehr** 1981 Feb;31(2):165–70 (Eng. Abstr.) **(Ger)**

[Influence of various physical forms of the feed on the energy metabolism of ruminants. 3. Investigation of the energetic utilisation of rations with roughage treated with various mechanical methods] Jentsch W, et al. **Arch Tierernaehr** 1980 Aug;30(7–8):597–609 (Eng. Abstr.) **(Ger)**

[Investigations of the activity of disaccharidases in growing sheep. 1. Suckling lambs from birth to an age of 4 weeks] Ulbrich M, et al. **Arch Tierernaehr** 1980 Sep;30(9):687–94 (Eng. Abstr.) **(Ger)**

[Pancreatic lipase activity in growing sheep] Ulbrich M, et al. **Arch Tierernaehr** 1981 Feb;31(2):171–8 (Eng. Abstr.) **(Ger)**

[Influence of various physical forms of the feed on the energy metabolism of ruminants. 2. The influence of the mechanical treatment of the feed on rumen fermentation] Wittenburg H, et al. **Arch Tierernaehr** 1980 Aug; 30(7–8):585–96 (Eng. Abstr.) **(Ger)**

[Accumulation of thallium in edible tissues of rams and steers depending on the thallium amount in fodder (author's transl)] Hapke HJ, et al. **DTW** 1980 Oct 5;87(10):376–8 (Eng. Abstr.) **(Ger)**

[Highly molassed sugar beet pulp in ruminant's nutrition. I. Composition, compatibility, digestibility of a diet

containing high ratios of highly molassed sugar beef pulp, and its physiological effects on ruminal metabolism of the sheep (author's transl)] Scholz H. **DTW** 1981 Jan 5; 88(1):24–9 (Eng. Abstr.) **(Ger)**

[Experimental studies on hypomagnesemia of ruminants. VII. Effects of dietary magnesium and calcium composition on magnesium and calcium content of wool in lactating and non-lactating ewes] Shiga AS, et al. **Nippon Juigaku Zasshi** 1980 Aug;42(4):443–51 (Eng. Abstr.) **(Jpn)**

[Effect of intra-duodenal administration of HCl and NaHCO3 on the secretion and content of sodium, potassium and calcium in the pancreatic juice and bile of sheep] Studziński T, et al. **Pol Arch Weter** 1979; 22(2):205–17 (Eng. Abstr.) **(Pol)**

[Amino acid production in the isolated and perfused rumen wall of sheep] Leng L, et al. **Vet Med (Praha)** 1980 Nov; 25(11):675–82 (Eng. Abstr.) **(Slo)**

[Renal excretion of urea and electrolytes in sheep after extracellular fluid expansion with an isotonic solution of sodium chloride] Szanyiová M, et al. **Vet Med (Praha)** 1980; 25(10):615–20 (Eng. Abstr.) **(Slo)**

MICROBIOLOGY

Isolation and presumptive identification of adherent epithelial bacteria ('epimural' bacteria) from the ovine rumen wall. Mead LJ, et al. **Appl Environ Microbiol** 1981 Apr; 41(4):1020–8

The isolation of Salmonella from jejunal and caecal lymph nodes of slaughtered animals. Moo D, et al. **Aust Vet J** 1980 Apr;56(4):181–3

Establishment of ureolytic staphylococci in the rumen of gnotobiotic lambs. Barr ME, et al. **J Appl Bacteriol** 1980 Oct;49(2):325–30

Further studies on caprine and ovine mycoplasmas related to Mycoplasma mycoides subsp. mycoides. Smith GR, et al. **J Hyg (Lond)** 1980 Oct;85(2):247–56

Wesselsbron disease: virological and serological studies in experimentally infected sheep and goats. Theodoridis A, et al. **Onderstepoort J Vet Res** 1980 Dec;47(4):221–9

Genomic changes associated with antigenic variation of visna virus durig persistent infection. Clements JE, et al. **Proc Natl Acad Sci USA** 1980 Aug;77(8):4454–8

Isolation of Haemophilus species from the oropharynx of British sheep. Little TW, et al. **Res Vet Sci** 1980 Jul; 29(1):41–4

The demonstration of maedi/visna virus in sheep in Great Britain. Dawson M, et al. **Vet Rec** 1979 Sep 8;105(10):220–3

A short note on sheep pox virus soluble antigens studied by immunodiffusion. Sambyal DS, et al. **Zentralbl Veterinaermed [B]** 1980;27(4):340–3

PARASITOLOGY

Rumen ciliate protozoa. Coleman GS. **Adv Parasitol** 1980; 18:121–73 (236 ref.)

Coyote as a final host for Sarcocystis species of goats, sheep, cattle, elk, bison, and moose in Montana. Dubey JP. **Am J Vet Res** 1980 Aug;41(8):1227–9

Parasitic gastro-enteritis in lambs--a model for estimating the timing of the larval emergence peak. Starr JR, et al. **Int J Biometeorol** 1980 Sep;24(3):223–9

Melophagus ovinus (Pupipara: Hippoboscidae): confirmation of the nonpathogenicity of Trypanosoma melophagium for sheep keds. Nelson WA. **J Invertebr Pathol** 1981 May; 37(3):284–9

Ingestion of rabbit erythrocytes containing 51Cr-labeled hemoglobin by Psoroptes spp. (Acari: Psoroptidae) that originated on cattle, mountain sheep, or rabbits. DeLoach JR, et al. **J Med Entomol** 1981 Jul;18(4):345–8

Hosts and distribution of Capillaria bovis (Schnyder, 1906) in domestic and wild ruminants in northwestern United States. Worley DE, et al. **J Parasitol** 1980 Aug;66(4):695–6

Oxfendazole: anthelmintic activity in sheep artificially infected with nematodes. Results of trials against nine species including benzimidazole-resistant Haemonchus contortus. Berger J. **J S Afr Vet Assoc** 1980 Mar;51(1):51–8

The epizootiology of nematode parasites of sheep in a high-rainfall area of Zimbabwe. Grant JL. **J S Afr Vet Assoc** 1981 Mar;52(1):33–7

A re-assessment of the efficacy of febantel (Rintal) and fenbendazole (Panacur) against Strongyloides papillosus in sheep and goats. Grimbeek P, et al. **J S Afr Vet Assoc** 1980 Mar;51(1):49–50

Anthelmintic efficacy of fenbendazole against cestodes in sheep and cattle. Malan FS. **J S Afr Vet Assoc** 1980 Mar; 51(1):25–26

The anthelmintic efficacy of albendazole against gastrointestinal roundworms, tapeworms, lungworms and liverflukes in sheep. van Schalkwyk PC, et al. **J S Afr Vet Assoc** 1979 Mar;50(1):31–5

Studies on Haemonchus contortus. III. Titration of Trichostrongylus axei and explusion of H. contortus. Reinecke RK, et al. **Onderstepoort J Vet Res** 1980 Mar; 47(1):35–44

The development, composition and maintenance of experimental populations of Haemonchus contortus in sheep. Coadwell WJ, et al. **Parasitology** 1981 Apr;82(Pt 2):257–61

A new technique for the extraction of Nematodirus battus eggs from sheep faeces. Coadwell WJ, et al. **Parasitology** 1981 Apr;82(Pt 2):263–7

Experiments on inhibited development of Haemonchus contortus and Ostertagia circumcincta in sheep in The Netherlands. Eysker M. **Res Vet Sci** 1981 Jan;30(1):62–5

Babesia crassa n.sp. (Sporozoa, Babesiidae) of domestic sheep in Iran. Hashemi-Fesharki R, et al. **Tijdschr Diergeneeskd** 1981 Jan 15;106(2):suppl 3:1–8

The piroplasm Theileria ovis detected in sheep in South Wales. Lewis D, et al. **Vet Rec** 1981 Jan 17;108(3):56–7

[Comparative study of the dissemination of gastrointestinal nematodes in domestic ruminants (Ovis aries and Capra hircus) and wild ruminants (Capra ibex and Rupicapra rupicapra in the Western mountain regions] Balbo T, et al. **Parassitologia** 1978 Dec;20(1-3):131–7 (Eng. Abstr.) **(Ita)**

[The occurrence of hepatic trematodes in sheep from Emilia-Romagna] Pavoncelli R, et al. **Parassitologia** 1978 Dec;20(1-3):217–20 (Eng. Abstr.) **(Ita)**

[The occurrence of broncho-pulmonary nematodes in sheep from Emilia-Romagna] Poglayen G, et al. **Parassitologia** 1978 Dec;20(1-3):221–5 (Eng. Abstr.) **(Ita)**

PHYSIOLOGY

Functional strain in sheep mandibles. Habel G, et al. **Acta Orthop Belg** 1980 Sep-Oct;46(5):592–600

The effect of prostaglandin F2 alpha on oxytocin-induced intramammary pressure in lactating ewes. Barowicz T. **Acta Physiol Pol** 1981 Mar-Apr;32(2):121–5

Nervous regulation of abomasum motor activity in sheep. Węgrzyn T. **Acta Physiol Pol** 1981 Jan-Feb;32(1):21–8

Motor activity of the abomasum in sheep. Węgrzyn T. **Acta Physiol Pol** 1981 Jan-Feb;32(1):11–20

The use of a 'TT' shaped cannula for collection of duodenal digesta in sheep. Borhami BE, et al. **Acta Vet Scand** 1980; 21(4):546–58

Measurement of fetal forelimb movements in the lamb in utero. Natale R, et al. **Am J Obstet Gynecol** 1981 Jul 1; 140(5):545–51

THe relationship between myometrial activity and sleep state and breathing in fetal sheep throughout the last third of gestation. Nathanielsz PW, et al. **Am J Obstet Gynecol** 1980 Nov 15;138(6):653–9

Maternofetal electrical potential difference in conscious sheep: effect of fetal death or acidosis. Weedon AP, et al. **Am J Obstet Gynecol** 1980 Oct 15;138(4):422–8

Mechanisms of beat-to-beat variability in the heart rate of the neonatal lamb. II. Effects of hypoxia. Zugaib M, et al. **Am J Obstet Gynecol** 1980 Oct 15;138(4):453–8

Mechanisms of beat-to-beat variability in the heart rate of the neonatal lamb. I. Influence of the autonomic nervous system. Zugaib M, et al. **Am J Obstet Gynecol** 1980 Oct 15;138(4):444–52

Effects of changes in arterial O2 content on cerebral blood flow in the lamb. Jones MD Jr, et al. **Am J Physiol** 1981 Feb;240(2):H209–15

Effect of ambient temperature and humidity on urine output in sheep. Guerrini VH, et al. **Am J Vet Res** 1980 Nov; 41(11):1851–3

Determination of volatile fatty acids and some related compounds in ovine rumen fluid, urine, and blood plasma, by gas-liquid chromatography. Ryan JP. **Anal Biochem** 1980 Nov 1;108(2):374–84

Motor functions of the large intestine in sheep versus cattle. Fioramonti J, et al. **Ann Rech Vet** 1980;11(1):109–15

Abnormal function of the corpus luteum in some ewes with phyto-oestrogenic infertility. Adams NR, et al. **Aust J Biol Sci** 1981;34(1):61–5

Salivary electrolyte concentrations and electrical potential difference across the parotid salivary duct of anaesthetized sodium-replete sheep. Beal AM. **Aust J Biol Sci** 1980 May; 33(2):197–204

Effects of heat stress on the lactation performance of ewes accustomed to tropical conditions and the total fluid intake of their lambs. Stephenson RG, et al. **Aust J Biol Sci** 1980 Aug;33(4):449–56

Termination of early pregnancy in ewes by use of a prostaglandin analogue and subsequent fertility. Tyrrell RN, et al. **Aust Vet J** 1981 Feb;57(2):76–8

The reversible binding of glycolytic enzymes in ovine skeletal muscle in response to tetanic stimulation. Walsh TP, et al. **Biochim Biophys Acta** 1981 Jun 11;675(1):29–39

Lung fluid balance in hypoxic, awake newborn lambs and mature sheep. Bland RD, et al. **Biol Neonate** 1980; 38(5-6):221–8

Photoperiodic control of seasonal breeding in ewes: modulation of the negative feedback action of estradiol. Legan SJ, et al. **Biol Reprod** 1980 Dec;23(5):1061–8

Mechanism by which progesterone shortens the estrous cycle of the ewe. Ottobre JS, et al. **Biol Reprod** 1980 Dec; 23(5):1046–53

A biotelemetry system for monitoring heart rates in unrestrained ungulates. Johnston RH, et al. **Biotelem Patient Monit** 1980;7(3-4):188–98

Factors affecting the voluntary intake of food by sheep. 3. The effect of intravenous infusions of gastrin, cholecystokinin and secretin on motility of the reticulo-rumen and intake. Grovum WL. **Br J Nutr** 1981 Jan;45(1):183–201

The influence of perinatal undernutrition of twin-bearing ewes on milk yields and lamb performance and the effects of postnatal nutrition on live weight gain and carcass composition. Lawlor MJ, et al. **Br J Nutr** 1981 May; 45(3):579–86

The effect of restricted grazing on the fatty acid composition of ovine milk fat during early lactation. Payne E, et al. **Br J Nutr** 1980 Jul;44(1):47–52

Effect of protein on abomasal secretion of acid in sheep. van Bruchem J, et al. **Br J Nutr** 1980 Nov;44(3):307–12

Factors controlling lambing period of Dall's sheep. Bunnell FL. **Can J Zool** 1980 Jun;58(6):1027–31

Final stages of erythrophagocytosis in the sheep placenta. Myagkaya G, et al. **Cell Tissue Res** 1981;214(3):501–18

Methods of pregnancy diagnosis in sheep and goats. Memon MA, et al. **Cornell Vet** 1980 Jul;70(3):226–31 (30 ref.)

Photoperiodic control of thyroid function and wool and horn growth in rams and the effect of cranial sympathectomy. Lincoln GA, et al. **Endocrinology** 1980 Nov;107(5):1543–8

Myometrial electrical activity throughout the entire course of pregnancy in the ewe. van der Weyden GC, et al. **Eur J Obstet Gynaecol Reprod Biol** 1981 Apr;11(5):347–54

Influence of the blood concentration of prolactin on the length of the sensitive period for establishing maternal behavior in sheep at parturition. Poindron P, et al. **Horm Behav** 1980 Jun;14(2):173–7

Dose-dependent inhibition of spermatogenesis in mature rams with exogenous testosterone. Schanbacher BD. **Int J Androl** 1980 Oct;3(5):563–73

A study of free-running rhythms in sheep. Hunsaker WG, et al. **Int J Chronobiol** 1979;6(4):219–30

Digestibility of dried bakery product by sheep. Champe KA, et al. **J Anim Sci** 1980 Jul;51(1):25–7

Relationships between eating rate of sheep and live weight gain, weight and fill of the gastrointestinal tract. Church DC, et al. **J Anim Sci** 1980 Dec;51(6):1373–80

Weaning trait comparisons among inbred lines and selected noninbred and randomly bred control groups of Rambouillet, Targhee and Columbia sheep. Ercanbrack SK, et al. **J Anim Sci** 1981 May;52(5):977–88

Effect of intraventricular serotonin on the plasma cortisol response to restraint stress in unanesthetized sheep. Frey MJ, et al. **J Anim Sci** 1980 Aug;51(2):380–5

Sperm death and inhibition of sperm transport in the cervix of ewes in estrus after removal of the corpus luteum-bearing ovary. Hawk H, et al. **J Anim Sci** 1981 Mar;52(3):611–7

Increased sperm death in the cervix and uterus of estrous ewes after regulation of estrus with prostaglandin or progestogen. Hawk HW, et al. **J Anim Sci** 1981 Mar; 52(3):601–10

Energy and protein metabolism in ewes as influenced by age and dietary protein-calorie ratio. Koenig JM, et al. **J Anim Sci** 1980 Oct;51(4):1011–22

detection of pregnancy in ewes with the ultrasonic scanopreg. Lane SF, et al. **J Anim Sci** 1981 Mar;52(3):463–7

Relationship of serum somatomedin-like activity and fibroblast proliferative activity with age and body weight gain in sheep. Olsen RF, et al. **J Anim Sci** 1981 Jan; 52(1):63–8

Productivity of purebred and crossbred finnsheep. II. Lamb weights and production indices of ewes. Oltenacu EA, et al. **J Anim Sci** 1981 May;52(5):998–1006

Productivity of purebred and crossbred finnsheep. I. Reproductive traits of ewes and lamb survival. Oltenacu EA, et al. **J Anim Sci** 1981 May;52(5):989–97

Estradiol regulation of the frequency and site of origin of uterine contractions in news. Rexroad CE Jr. **J Anim Sci** 1980 Nov;51(5):1139–47

Fertilization of ova in selenium/vitamin E-treated ewes maintained on two planes of nutrition. Segerson EC, et al. **J Anim Sci** 1980 Aug;51(2):386–94

Sequential analysis of the bronchoalveolar milieu in conscious sheep. Bégin R, et al. **J Appl Physiol** 1981 Mar;50(3):665–71

Regular fetal breathing induced by pilocarpine infusion in the near-term fetal lamb. Brown ER, et al. **J Appl Physiol** 1981 Jun;50(6):1348–52

Pulmonary vascular histamine receptors in newborn and young lambs. Goetzman BW, et al. **J Appl Physiol** 1980 Sep;49(3):380–5

Lung fluid and protein exchange in the acute sheep preparation. Minnear FL, et al. **J Appl Physiol** 1981 Jun; 50(6):1358–61

Responses of fetal sheep to simulated no-decompression dives. Stock MK, et al. **J Appl Physiol** 1980 May; 48(5):776–80

Placental transfer of dexamethasone in near-term sheep. Anderson DF, et al. **J Dev Physiol** 1979 Dec;1(6):431–6

Changes in somatomedin-like activity and concentrations of growth hormone and prolactin in the plasma of castrated growing lambs. Falconer J, et al. **J Dev Physiol** 1979 Oct; 1(5):337–42

Effects of partial lower aortic obstruction in the pregnant ewe on fetal arterial pressure, heart rate, plasma renin activity and prostaglandin E concentration. Moutquin JM, et al. **J Dev Physiol** 1981 Feb;3(1):75–84

The disposition of [3H]cortisol after intra-amniotic administration to sheep late in pregnancy. Power S, et al. **J Dev Physiol** 1980 Dec;2(6):357–63

Studies on experimental growth retardation in sheep. The effect of removal of a endometrial caruncles on fetal size and metabolism. Robinson JS, et al. **J Dev Physiol** 1979 Oct;1(5):379–98

Importance of variations in behavioural and feedback actions of oestradiol to the control of seasonal breeding in the ewe. Goodman RL, et al. **J Endocrinol** 1981 May;89(2):229–40

Stimulation by ornithine of ovine placental lactogen

secretion. Handwerger S, et al. **J Endocrinol** 1981 Feb; 88(2):283–8
Comparative extraocular muscle blood flow. Wilcox LM Jr, et al. **J Exp Zool** 1981 Jan;215(1):87–90
Relationship of arterial pressure and heart rate in fetal, new-born and adult sheep. Dawes GS, et al. **J Physiol (Lond)** 1980 Dec;309:405–17
Insulin secretion in sheep exposed to cold. Sasaki Y, et al. **J Physiol (Lond)** 1980 Sep;306:323–35
The distribution of blood flow in the udder of the sheep and changes brought about by cold exposure and lactation. Thompson GE. **J Physiol (Lond)** 1980 May;302:379–86
Ovarian arterial blood velocity measured with Doppler ultrasonic transducers in conscious ewes. Brown BW, et al. **J Reprod Fertil** 1980 Mar;58(2):295–300
Influences of season, cycle and breed on follicular growth rates in sheep. Cahill LP, et al. **J Reprod Fertil** 1980 Mar; 58(2):321–8
Hormonal and follicular relationships in ewes of high and low ovulation rates. Cahill LP, et al. **J Reprod Fertil** 1981 May;62(1):141–50
Correlation of rate of uterine blood flow and plasma steroid concentrations at parturition in sheep. Caton D, et al. **J Reprod Fertil** 1980 Mar;58(2):329–37
Plasma hormone levels and reproductive behaviour in anoestrous ewes after treatment with progesterone and PMSG. Cunningham NF, et al. **J Reprod Fertil** 1980 Sep; 60(1):177–85
Seasonal variations in rete testis fluid secretion and sperm production in different breeds of ram. Dacheux JL, et al. **J Reprod Fertil** 1981 Mar;61(2):363–71
Prolongation of the oestrous cycle in cows and ewes after passive immunization with PGF antibodies. Fairclough RJ, et al. **J Reprod Fertil** 1981 May;62(1):213–9
Effect of oestrogen and an LH-RH agonist on the release of gonadotrophins in ovariectomized ewes deprived of LH-RH. Fraser HM, et al. **J Reprod Fertil** 1981 May; 62(1):131–40
The effect of season on the ovulatory response of Merino ewes to serum from pregnant mares. Gherardi PB, et al. **J Reprod Fertil** 1980 Nov;60(2):425–9
The effect of rearing under a long or short photoperiod on testis growth, plasma testosterone and prolactin concentrations, and the development of sexual behaviour in rams. Howles CM, et al. **J Reprod Fertil** 1980 Nov; 60(2):437–47
Feedback basis of seasonal breeding: test of an hypothesis. Karsch FJ, et al. **J Reprod Fertil** 1980 Mar;58(2):521–35
Increased testicular growth of Tasmanian Merino ram lambs treated with antisera to oestrogens. Land RB, et al. **J Reprod Fertil** 1981 May;62(1):151–8
Fertilizing ability of semen from rams of high- and low-prolificacy flocks. Moore RW, et al. **J Reprod Fertil** 1980 Jul;59(2):311–6
Duration of oestrus, ovulation rate, time of ovulation and plasma LH, total oestrogen and progesterone in Galway adult ewes and ewe lambs. Quirke JF, et al. **J Reprod Fertil** 1981 Mar;61(2):265–72
Ovarian morphology and the concentration of steroids, and of gonadotrophins during the breeding season in ewes actively immunized against oestradiol-17 beta or oestrone. Scaramuzzi RJ, et al. **J Reprod Fertil** 1980 Jul;59(2):303–10
Ovarian function in the ewe after active immunization against testosterone. Scaramuzzi RJ, et al. **J Reprod Fertil** 1981 Jan;61(1):1–9
Sperm output by rams and distribution amongst ewes under conditions of continual mating. Synnott AL, et al. **J Reprod Fertil** 1981 Mar;61(2):355–61
Pituitary responsiveness to LH-RH, the occurrence of oestradiol- 17 beta-induced LH-positive feedback and the resumption of oestrous cycles in ewes post partum. Wright PJ, et al. **J Reprod Fertil** 1980 Sep;60(1):171–6
Evidence for a change in oestradiol negative feedback and LH pulse frequency in post-partum ewes. Wright PJ, et al. **J Reprod Fertil** 1981 Jan;61(1):97–102
The micromorphological development of the post partum corpus luteum in the ewe. Botha HK, et al. **J S Afr Vet Assoc** 1980 Sep;51(3):173–7
Electrical stunning of Karakul lambs. Kühne KJ, et al. **J S Afr Vet Assoc** 1979 Mar;50(1):15–8
Physiologic and hematologic values in Nelson desert bighorn sheep. McDonald SE, et al. **J Wildl Dis** 1981 Jan; 17(1):131–4
Sheep breeding program for the year-round production of timed pregnancies for experimental foetal surgery. Grant CG, et al. **Lab Anim** 1980 Oct;14(4):317–21
The estrogenic effect of silage fodder. Kallela K. **Nord Vet Med** 1980 Nov;32(11):480–6
The effect of holding periods at the meat works on carcase weights and nature and weights of ruminoreticulum contents of sheep and lambs. Petersen GV, et al. **NZ Vet J** 1981 Mar;29(3):22–5
Cardiovascular and hematologic effects of diphenylhydantoin in maternal and fetal sheep. Ayromlooi J, et al. **Obstet Gynecol** 1981 Jul;58(1):40–5
Effects of reduction of placental size in sheep. Worthington D, et al. **Obstet Gynecol** 1981 Aug;58(2):215–21
Hydrolysis of dipeptides by human and ovine placentas. Crandell SS, et al. **Pediatr Res** 1981 Apr;15(4 Pt 1):357–61
Maturational Changes in Myocardial Contractile State of Newborn Lambs. Riemenschneider TA, et al. **Pediatr Res** 1981 Apr;15(4 Pt 1):349–56
Twenty-fifth Annual Bowditch Lecture. Seasonal reproduction: a sage of reversible fertility. Karsch FJ. **Physiologist** 1980 Dec;23(6):29–38
Conceptus attachment in the ewe: an ultrastructural study. Guillomot M, et al. **Placenta** 1981 Apr-Jun;2(2):169–82
Sensory reinforcement and illumination preference in sheep and calves. Baldwin BA, et al. **Proc R Soc Lond [Biol]** 1981 Mar 27;211(1185):513–26
Air movement and heat loss from sheep. II. Thermal insulation of fleece in wind. McArthur AJ, et al. **Proc R Soc Lond [Biol]** 1980 Aug 13;209(1175):209–17
Air movement and heat loss from sheep. I. Boundary layer insulation of a model sheep, with and without fleece. McArthur AJ, et al. **Proc R Soc Lond [Biol]** 1980 Aug 13;209(1175):187–208
Air movement and heat loss from sheep. III. Components of insulation in a controlled environment. McArthur AJ. **Proc R Soc Lond [Biol]** 1980 Aug 13;209(1175):219–37
Cardiac output is decreased and hypoxic vasoconstriction is intact in chronically hypoxic sheep. Rounds SI, et al. **Proc Soc Exp Biol Med** 1980 Oct;165(1):1–5
Temporal relationship between plasma concentrations of 13,14-dihydro-15-keto-prostaglandin F and neurophysin I/II around luteolysis in sheep. Fairclough RJ, et al. **Prostaglandins** 1980 Aug;20(2):199–208
The depressive action of ammonium chloride on the hepatic blood flow in sheep. Barej W, et al. **Q J Exp Physiol** 1980 Apr;65(2):99–104
The utilization of lactic acid by sheep in late pregnancy. Faichney GJ, et al. **Q J Exp Physiol** 1981 Jul;66(3):195–201
Effects of pregnancy on the febrile responses in sheep. Heap RB, et al. **Q J Exp Physiol** 1981 Apr;66(2):129–44
The effects of progesterone on glucose and lactate metabolism in ovariectomized sheep. Samad AR, et al. **Q J Exp Physiol** 1981 Jan;66(1):73–80
The possible involvement of aspartate receptors in central thermoregulation in the sheep. Silver A. **Q J Exp Physiol** 1981 Jan;66(1):39–50
Studies on the sympathetic nervous system: the Valsalva like manoeuvre in sheep. Gregory NG, et al. **Res Vet Sci** 1981 May;30(3):284–7
Effects of placental weight and maternal nutrition on the growth rates of individual fetuses in single and twin bearing ewes during late pregnancy. Mellor DJ, et al. **Res Vet Sci** 1981 Mar;30(2):198–204
Effect of oesophageal groove closure on the pharmacokinetic behaviour and efficacy of oxfendazole in sheep. Prichard RK, et al. **Res Vet Sci** 1981 Jan;30(1):22–7
Effects of an intravenous infusion of hydrochloric acid on renal function in sheep. Williams JH, et al. **Res Vet Sci** 1980 May;28(3):347–50
A combined radioimmunoassay for the measurement of unconjugated and sulfoconjugated pregnenolone, 17 hydroxypregnenolone, dehydroepiandrosterone, and estrone applied to fetal and maternal ovine plasma. Magyar DM, et al. **Steroids** 1981 Apr;37(4):423–43
Inhibitory action of intravenously administered ammonium acetate on the motility of the rumen in sheep. Kania BF, et al. **Tijdschr Diergeneeskd** 1981 Jul 15;106(14):105–10
Adult body weight of indigenous and crossbred ewes under semi-arid conditions in India. Mehta BS, et al. **Trop Anim Health Prod** 1979 Nov;11(4):227–30
Evaluation of the anaesthetic properties of ketamine and a ketamine/xylazine/atropine combination in sheep. Nowrouzian I, et al. **Vet Rec** 1981 Apr 18;108(16):354–6
Pregnancy diagnosis in sheep using a rectal probe. Plant JW. **Vet Rec** 1980 Apr 5;106(14):305–6
Lamb survival [letter] Robinson JJ. **Vet Rec** 1981 Feb 7; 108(6):130–1
Hormonal induction of lactation in non-pregnant Awassi ewes I. Lactational performance and oestrous behaviour. Aldeen KA, et al. **Zentralbl Veterinaermed [A]** 1980 Jul; 27(5):372–8
Hormonal induction of lactation in non-pregnant Awassi ewes II. Milk composition. Aldeen KA, et al. **Zentralbl Veterinaermed [A]** 1980 Jul;27(5):379–84
Application of the 133 Xe bolus technique for nutritive liver blood flow estimation in acute and chronic sheep. Gronczewski J, et al. **Zentralbl Veterinaermed [A]** 1980 Feb; 27(1):28–32
Effects of an H2 receptor antagonist in the sheep. Nicholson T. **Zentralbl Veterinaermed [A]** 1980 Jul;27(5):429–32
Long term effects of bilateral vasectomy in immature lambs. Osman AM. **Zentralbl Veterinaermed [A]** 1980 Jul; 27(5):392–407
[Cell count of the milk from sheep in machine milking] Vitkov M, et al. **Vet Med Nauki** 1980;17(4):53–8 (Eng. Abstr.) **(Bul)**
[The effect of long-term feeding of higher doses of urea on clinical and biochemical indicators in sheep] Jagoš P, et al. **Vet Med (Praha)** 1981 Feb;26(2):101–7 (Eng. Abstr.) **(Cze)**
[Hormones and development of sexual behaviour in the domestic sheep (author's transl)] Signoret JP, et al. **Ann Endocrinol (Paris)** 1980 Nov-Dec;41(6):523–30 (12 ref.) (Eng. Abstr.) **(Fre)**
[Effects of intracerebroventricular injections of nalorphine on feeding behaviour and rumination in sheep (author's transl)] Maisonnave AC, et al. **Ann Rech Vet** 1980; 11(1):57–67 (Eng. Abstr.) **(Fre)**
[The first cleavage of tubal sheep eggs after fertilization with epididymal or ejaculated spermatozoa] Fournier-Delpech S, et al. **C R Acad Sci [D] (Paris)** 1981 Feb 16;292(7):515–7 (Eng. Abstr.) **(Fre)**
[Results of a four years' study on the Jallonke sheep bred in the Ivory Coast] Berger Y, et al. **Rev Elev Med Vet Pays Trop** 1980;33(1):71–8 (Eng. Abstr.) **(Fre)**
[Small ruminants in Chad] Dumas R. **Rev Elev Med Vet Pays Trop** 1980;33(2):215–33 (Eng. Abstr.) **(Fre)**
[Reproduction and rearing of Nigerian Uda sheep] Haumesser JB, et al. **Rev Elev Med Vet Pays Trop** 1980; 33(2):205–13 (Eng. Abstr.) **(Fre)**
[Behavior of Djalonke sheep in a rational breeding program] Rombaut D. **Rev Elev Med Vet Pays Trop** 1980; 33(4):427–39 (Eng. Abstr.) **(Fre)**
[Comparative electromyographic studies of calves, sheep and goats] Mielke H, et al. **Arch Exp Veterinaermed** 1981; 35(2):307–35 (Eng. Abstr.) **(Ger)**
[Problems relating to low temperature preservation of ram semen. 1. Effects of various cryoprotective agents on sperm] Neubert L, et al. **Arch Exp Veterinaermed** 1981; 35(1):51–6 (Eng. Abstr.) **(Ger)**
[Hair shedding and replacement in domestic mammals.--3. Hair shedding and replacement in sheep and goat (author's transl)] Meyer W, et al. **DTW** 1980 Sep 5;87(9):346–53 (95 ref.) (Eng. Abstr.) **(Ger)**
[Changes in lymph flow during reflexes from lymph vessels] Myrzakhanov NM. **Fiziol Zh SSSR** 1981 Mar;67(3):410–3 **(Rus)**

SURGERY

Reentrant cannulation of the small intestine in sheep: cannula and surgical method. Ivan M, et al. **J Anim Sci** 1981 Apr; 52(4):849–56
Platelet function and coagulation parameters in sheep during experimental vascular surgery. Tillman P, et al. **Lab Anim Sci** 1981 Jun;31(3):263–7
Retractor penis myotomy for catheterization in sheep and goats. Shokry M, et al. **Mod Vet Pract** 1980 Aug;61(8):700
Evaluation of the actions and use of alphaxolone/alphadolone (CT1341) in sheep. Waterman AE. **Res Vet Sci** 1981 Jan; 30(1):114–9
Vasectomised rams [letter] Boundy T. **Vet Rec** 1980 Jul 26; 107(4):94

URINE

Renal clearance of magnesium in sheep given citric acid and(or) potassium chloride. DeGregorio RM, et al. **J Anim Sci** 1981 Apr;52(4):895–901

SHEEP DISEASES

Stypandra imbricata ('blindgrass') toxicosis in goats and sheep - clinical and pathologic findings in 4 field cases. Main DC, et al. **Aust Vet J** 1981 Mar;57(3):132–5
Abortion associated with toxoplasmosis in sheep in Oregon. Dubey JP, et al. **J Am Vet Med Assoc** 1981 Apr 1; 178(7):675–8
Suppurative abomasitis associated with Clostridium septicum infection. Eustis SL, et al. **J Am Vet Med Assoc** 1981 Apr 1;178(7):732–4
Nutritional myopathy in hoggs [letter] Cuthbertson JC. **Vet Rec** 1980 Aug 23;107(8):183

BLOOD

Eperythrozoon ovis recorded in Tasmania in association with Heinz body development [letter] Mason RW, et al. **Aust Vet J** 1981 Jan;57(1):46
The effect of single doses of selenium salts on whole blood levels of selenium in ewes on a selenium-deficient diet. Meads WJ, et al. **NZ Vet J** 1980 Jan-Feb;28(1-2):20–2
Effects of Ostertagia circumcincta infections on plasma gastrin in sheep. Anderson N, et al. **Parasitology** 1981 Jun; 82(Pt 3):401–10
Glutathione and 2,3-diphosphoglycerate in the blood of hypoxic ruminants. O'Dea JD, et al. **Res Vet Sci** 1980 Sep; 29(2):153–6
Plasma composition in hypothermic lambs. Eales FA, et al. **Vet Rec** 1980 Apr 5;106(14):310

CHEMICALLY INDUCED

Acute oral median lethal dose of haloxon and coumaphos in sheep as influenced by plasma A esterase. Baker NF, et al. **Am J Vet Res** 1980 Nov;41(11):1857–9
Internal vomiting in the ruminant: effect of apomorphine on ruminal pH in sheep. Eiler H, et al. **Am J Vet Res** 1981 Feb;42(2):202–4
Plasma LH and FSH in ewes that were either fertile or infertile after long-term grazing of oestrogenic pasture. Rodgers RJ, et al. **Aust J Biol Sci** 1980 May;33(2):213–20
Toxic effects of large amounts of DL-methionine infused into the rumen of sheep. Doyle PT, et al. **Aust Vet J** 1980 Jul;56(7):331–4
Enzootic icterus--a form of chronic copper poisoning. Bath GF. **J S Afr Vet Assoc** 1979 Mar;50(1):3–14
The acute oral toxicity of hymenoxon in sheep. Terry MK, et al. **Res Commun Chem Pathol Pharmacol** 1981 Jan; 31(1):181–4
Experimental induction of ovine polioencephalomalacia. Bakker HJ, et al. **Vet Rec** 1980 Nov 15;107(20):464–6
Phenol poisoning in a newborn lamb. Eales FA, et al.

Vet Rec 1981 May 9;108(19):421
Injection of sheep with organic compounds of copper. Mahmoud OH, et al. Vet Rec 1981 Feb 7;108(6):114–6
Clinical studies on tremorgenic mycotoxicoses in sheep. Penny RH, et al. Vet Rec 1979 Oct 27;105(17):392–3

CLASSIFICATION

Review of disorders of the ruminant digit with proposals for anatomical and pathological terminology and recording. Weaver AD, et al. Vet Rec 1981 Feb 7;108(6):117–20

CONGENITAL

Urogenital defects in sheep. Dennis SM. Vet Rec 1979 Oct 13;105(15):344–7
[Congenital malformations in the sheep: cyclocephalus] Gimeno M, et al. Anat Histol Embryol 1980 Jun;9(2):129–33 (Eng. Abstr.) (Spa)

DIAGNOSIS

Anaplasma ovis in Idaho sheep. Magonigle RA, et al. Am J Vet Res 1981 Feb;42(2):199–201
Evaluation of an analytical method for the diagnosis of cantharidin toxicosis due to ingestion of blister beetles (Epicauta lemniscata) by horses and sheep. Ray AC, et al. Am J Vet Res 1980 Jun;41(6):932–3
Biochemical parameters useful for the diagnosis of mild molybdenosis in sheep. Lamand M, et al. Ann Rech Vet 1980;11(2):141–5
Apparent Johne's disease in a sheep [letter] McCausland IP. Aust Vet J 1980 Nov;56(11):564
Johne's disease in sheep [letter] Seaman JT, et al. Aust Vet J 1981 Feb;57(2):102–3
Evaluation of procedures for the diagnosis of Brucella ovis infection in rams. Webb RF, et al. Aust Vet J 1980 Apr; 56(4):172–5
Scrapie. Kimberlin RH. Br Vet J 1981 Jan;137(1):105–12
Observations on clinical diseases diagnosed in sheep at Ahmadu Bello University Veterinary Hospital, Zaria, Nigeria. Akerejola O. Bull Anim Health Prod Afr 1980 Mar;28(1):17–9
Studies on viral leukoencephalomyelitis and swayback in goats. Summers BA, et al. Cornell Vet 1980 Oct; 70(4):372–90
Photosenitization of sheep on kleingrass pasture. Muchiri DJ, et al. J Am Vet Med Assoc 1980 Aug 15;177(4):353–4
Immunodiagnostic tests for hydatidosis in sheep: an evaluation of double diffusion, immunoelectrophoresis, indirect hemagglutination, and intradermal tests. Conder GA, et al. J Parasitol 1980 Aug;66(4):577–84
Diagnostic exercise. Haemonchus contortus infection. Spraker TR. Lab Anim Sci 1980 Oct;30(5):833–4
Influence of selenium on livestock. Koller LD. Mod Vet Pract 1981 Jan;62(1):25–7
Observations on tuberculosis caused by Mycobacterium bovis in sheep. Cordes DO, et al. NZ Vet J 1981 Apr;29(4):60–2
Ovine post-parturient hypomagnesaemic ketosis. Jopp AJ, et al. NZ Vet J 1981 Mar;29(3):37–8
On the application of serum vitamin B12 radioassay to the diagnosis of cobalt deficiency in sheep [letter] Sutherland RJ. NZ Vet J 1980 Aug;28(8):169–70
The complement fixation test for Brucella ovis [letter] Worthington RW, et al. NZ Vet J 1981 Apr;29(4):63
A rapid card agglutination test for toxoplasmosis. Gupta SL, et al. Trop Anim Health Prod 1980 May;12(2):95–6
Diagnosing ovine epididymitis by immunofluorescence. Ajai CO, et al. Vet Rec 1980 Nov 1;107(18):421–4
Ovine coccidiosis [letter] Gregroy MW, et al. Vet Rec 1980 Jul 12;107(2):47
Sheep scab [letter] Rees WH. Vet Rec 1981 Feb 28;108(9):193
Screwworm diagnosed in a sheep in Texas. VM SAC 1980 Nov;75(11):1769–70
[Predictability of liver fluke infections and liver fluke disease (author's transl)] Over HJ, et al. Tijdschr Diergeneeskd 1980 Sep 15;105(18):771–5 (Eng. Abstr.) (Dut)

DRUG THERAPY

Influence of plasma A esterase on anthelmintic action of haloxon in sheep. Baker NF, et al. Am J Vet Res 1980 Nov;41(11):1854–6
Lasalocid for improved weight gains and control of Coccidia in lambs. Foreyt WJ, et al. Am J Vet Res 1981 Jan; 42(1):57–60
Evaluation of lasalocid in salt against ovine Coccidia. Foreyt WJ, et al. Am J Vet Res 1981 Jan;42(1):54–6
Lasalocid and monensin in finishing diets for early weaned lambs with naturally occurring coccidiosis. Horton GM, et al. Am J Vet Res 1981 Mar;42(3):433–6
Thiabendazole-resistant strains of Haemonchus and Ostertagia in California lambs. Miller JE, et al. Am J Vet Res 1980 Oct;41(10):1674–6
Relationship among particle size distribution, dissolution profile, plasma values, and anthelmintic efficacy of oxfendazole. Shastri S, et al. Am J Vet Res 1980 Dec; 41(12):2095–2101
Comparison of the efficiency of zinc injected as metal or oxide for zinc deficiency treatment in sheep. Lamand M, et al. Ann Rech Vet 1980;11(2):147–9
Effect of tetramisole on protostrongylid lungworms of sheep. Pandey VS. Ann Soc Belg Med Trop 1980;60(1):103–6
The efficacy of thiophanate in natural nematode infestations of sheep and cattle [letter] Baines DM, et al. Aust Vet J 1980 Jul;56(7):350–1
Levamisole vaccine combinations. 2. Retained anthelmintic efficacy. Forsyth BA, et al. Aust Vet J 1980 Jun;56(6):292–5
The isolation of a field strain of Haemonchus contortus in Queensland showing multiple anthelmintic resistance. Green PE, et al. Aust Vet J 1981 Feb;57(2):79–84
Anthelmintic activity of closantel against benzimidazole resistant strains of Haemonchus contortus and Trichostrongylus colubriformis in sheep [letter] Hall CA, et al. Aust Vet J 1980 Sep;56(9):461–2
Levamisole vaccine combinations. 1. Heightened antibody response. Hogarth-Scott RS, et al. Aust Vet J 1980 Jun; 56(6):285–91
Zinc sulfate foot bath for control of ovine foot rot. Cross RF, et al. J Am Vet Med Assoc 1981 Apr 1;178(7):706–7
Oral administration of zinc sulfate for control of ovine foot rot. Cross RF, et al. J Am Vet Med Assoc 1981 Apr 1; 178(7):704–5
Oxfendazole: anthelmintic activity in sheep artificially infected with nematodes. Results of trials against nine species including benzimidazole-resistant Haemonchus contortus. Berger J. J S Afr Vet Assoc 1980 Mar;51(1):51–8
Effect of dietary lasalocid on coccidial oocyst numbers, feedlot performance and wool growth of lambs. Couvaras S, et al. J S Afr Vet Assoc 1980 Jun;51(2):111–3
The anthelmintic efficacy of albendazole against gastrointestinal roundworms, tapeworms, lungworms and liverflukes in sheep. van Schalkwyk PC, et al. J S Afr Vet Assoc 1979 Mar;50(1):31–5
The treatment of Stilesia hepatica infestation. Verster A, et al. J S Afr Vet Assoc 1980 Dec;51(4):249–50
The pharmacological role of zinc: evidence from clinical studies on animals. Reid GM. Med Hypotheses 1981 Feb; 7(2):207–15
A field trial with albendazole against Dicrocoelium lanceolatum in sheep. Tharaldsen J, et al. Nord Vet Med 1980 Jul-Aug;32(7–8):308–12
Efficacy studies with 'vermadax' in sheep naturally infected with Fasciola hepatica. Middleberg A, et al. NZ Vet J 1981 Jan-Feb;29(1–2):13–4
A potent new salicylanilide effective against Fasciola hepatica. Coles GC, et al. Res Vet Sci 1980 Mar;28(2):263
Efficacy of a tribromosalan and parbendazole composition against adult Fasciola hepatica in sheep. Cruthers LR, et al. Res Vet Sci 1981 Jan;30(1):122–3
Anthelmintic efficacy of low-dose phenothiazine against strains of sheep nematodes susceptible or resistant to thiabendazole, levamisole and morantel tartrate: effect on patent infections. Kelly JD, et al. Res Vet Sci 1981 Mar; 30(2):161–9
Anthelmintic efficacy of low-dose phenothiazine against strains of sheep nematodes susceptible or resistant to thiabendazole, levamisole and morantel tartrate: efficiency against sequentially administered infections. Kelly JD, et al. Res Vet Sci 1981 Mar;30(2):170–4
Trichostrongylus colubriformis and Ostertagia sp resistant to levamisole, morantel tartrate and thiabendazole: infectivity, pathogenicity and drug efficacy in two breeds of sheep. Sangster NC, et al. Res Vet Sci 1980 Jul; 29(1):26–30
The efficacy of oxfendazole administered as a bolus compared with a drench formulation. Borgsteede FH, et al. Tijdschrift Voor Diergeneeskd 1981 Apr 15;106(8):suppl 3:101–3
Effect of anthelmintic treatment on the performance of Awassi sheep in Iraq. Altaif KI. Trop Anim Health Prod 1979 Nov;11(4):241–5
Efficacy of resorantel against paramphistomiasis in naturally infected sheep. Gupta RP, et al. Trop Anim Health Prod 1981 Feb;13(1):35–6
Use of disophenol for the control of Haemonchus contortus in sheep in West Java, Indonesia. Soetedjo R, et al. Trop Anim Health Prod 1980 Nov;12(4):198–202
Cyanide intoxication in sheep; therapeutics. Burrows GE. Vet Hum Toxicol 1981 Feb;23(1):22–8
The speed of action of anthelmintics: mebendazole. Chevis RA. Vet Rec 1980 Oct 25;107(17):398–9
Efficacy of albendazole against protostrongyloid infestations in sheep. Cordero-del-Campillo M, et al. Vet Rec 1980 May 31;106(22):458 (0 ref.)
Efficacy of albendazole against Dicrocoelium dendriticum in sheep. Himonas CA, et al. Vet Rec 1980 Sep 20; 107(12):288–9
A survey of antibiotic resistance of Escherichia Coli isolated from farm animals in Great Britain from 1971 to 1977. Jackson G. Vet Rec 1981 Apr 11;108(15):325–8
Ovicidal action of oxfendazole on sheep nematodes. Niec R, et al. Vet Rec 1980 Sep 13;107(11):248–9
Effectiveness of orally administered cupric oxide needles in alleviating hypocupraemia in sheep and cattle. Suttle NF. Vet Rec 1981 May 9;108(19):417–20
Efficacy of albendazole against dicrocoelium dendriticum [letter] Vandaele W. Vet Rec 1980 Nov 22;107(21):496
Effects of oral administration of copper oxide needles to hypocupraemic sheep. Whitelaw A, et al. Vet Rec 1980 Jul 26;107(4):87–8
Effect of mebendazole against Echinococcus granulosus and Taenia hydatigena cysts in naturally infected sheep and relevance to larval tapeworm infections in man. Gemmell MA, et al. Z Parasitenkd 1981;64(2):135–47
[Effectiveness of acedist in the treatment of fascioliasis of sheep] Furmaga S, et al. Wiad Parazytol 1980;26(1):65–71 (Eng. Abstr.) (Pol)

ENZYMOLOGY

[Changes in the alkaline phosphatase activity and properties of the blood serum in sheep with experimental liver disease] Antonov S, et al. Vet Med Nauki 1980;17(6–7):52–7 (Eng. Abstr.) (Bul)
[Electrophoretic studies of the molecular forms of serum malate dehydrogenase in sheep and lambs after experimental infestation with Bunostomum trigonocephalum (Rudolphi, 1808)] Kamenov I. Vet Med Nauki 1980;17(2):36–41 (Eng. Abstr.) (Bul)

ETIOLOGY

Listeriosis in sheep. Experimental listeric infection in sheep treated with various immunosuppressiva. Grønstøl H. Acta Vet Scand 1980;21(3):415–27
Listeriosis in sheep. Eperythrozoon ovis infection used as a model to study predisposing factors. Grønstøl H, et al. Acta Vet Scand 1980;21(4):523–32
Listeriosis in sheep. Tick-borne fever used as a model to study predisposing factors. Grønstøl H, et al. Acta Vet Scand 1980;21(4):533–45
Tearing of vaginal wall with intestinal prolapse in pregnant ewes [letter] Hansen AT, et al. Aust Vet J 1980 Oct; 56(10):510–1
The role of birth in the pathogenesis of meningeal haemorrhage and congestion in newborn lambs. Haughey KG. Aust Vet J 1980 Feb;56(2):49–56
Stypandra imbricata ('blindgrass') toxicosis in goats and sheep – clinical and pathologic findings in 4 field cases. Main DC, et al. Aust Vet J 1981 Mar;57(3):132–5
Exertional rhabdomyolysis in sheep. Peet RL, et al. Aust Vet J 1980 Mar;56(3):155–6
Low alpha-tocopherol levels in livers of weaner sheep with nutritional myopathy. Steele P, et al. Aust Vet J 1980 Nov; 56(11):529–32
Suspected poisoning of sheep by Ixiolaena brevicompta. Walker KH, et al. Aust Vet J 1980 Feb;56(2):64–6
Lesions caused by Corynebacterium pseudotuberculosis in the scrotum of rams. Williamson P, et al. Aust Vet J 1980 Oct;56(10):496–8
Sheep tumours in North East Yorkshire. II. Experimental production of tumours. McCrea CT, et al. Br Vet J 1981 Jan;137(1):21–30
Pathogenicity for the sheep foetus of bovine virus diarrhoea–mucosal disease virus of bovine origin. Terlecki S, et al. Br Vet J 1980 Nov-Dec;136(6):602–11
An investigation of abortion in sheep in Rano L.I.B.C. near Kano, Nigeria. Okoh AE. Bull Anim Health Prod Afr 1980 Jun;28(2):135–8
Diarrhea due to Cryptosporidium infection in artificially reared lambs. Tzipori S, et al. J Clin Microbiol 1981 Jul; 14(1):100–5
Ovine systemic pasteurellosis caused by Pasteurella haemolytica biotype T. Dyson DA, et al. J Med Microbiol 1981 Feb;14(1):89–95
A specific form of abomasal phytobezoar in goats and sheep. Bath GF, et al. J S Afr Vet Assoc 1979 Jun;50(2):69–72
Enteritis in sheep due to the ingestion of Inula graveolens Desf (Cape Khakiweed). Schneider DJ, et al. J S Afr Vet Assoc 1980 Sep;51(3):159–61
The aetiology of ram epididymitis. Jansen BC. Onderstepoort J Vet Res 1980 Jun;47(2):101–7
A surgical technique for the experimental reproduction of epididymitis in rams. Jansen BC. Onderstepoort J Vet Res 1980 Dec;47(4):281–3
Photosensitivity in South Africa. II. The experimental production of the ovine hepatogenous photosensitivity disease geeldikkop (Tribulosis ovis) by the simultaneous ingestion of Tribulus terrestris plants and cultures of Pithomyces chartarum containing the mycotoxin sporidesmin. Kellerman TS, et al. Onderstepoort J Vet Res 1980 Dec;47(4):231–61
Management for the prevention of livestock poisoning by plants. James LF. Proc Annu Meet US Anim Health Assoc 1979;(83):422–5
Hypothermia in newborn lambs induced by experimental immersion in a water bath and by natural exposure outdoors. Slee J, et al. Res Vet Sci 1980 May;28(3):275–80
Campylobacter species and regional enteritis in lambs. Vandenberghe J, et al. Res Vet Sci 1980 Nov;29(3):390–1
Pasteurella haemolytica infections in sheep. Gilmour NJ. Tijdschr Diergeneeskd 1980 Oct 15;105(20):191–8
Torsion of the abomasum in ruminants: diagrammatic representation of rotary movements based on post-mortem findings. Wensvoort P, et al. Tijdschr Diergeneeskd 1980 Jul 15;105(14):suppl 3:125–35
Ctenocephalides canis infestation of sheep and goats. Obasaju MF, et al. Trop Anim Health Prod 1980 May;12(2):116–8
Sheep lameness after dip [letter] Flower PJ. Vet Rec 1981 May 9;108(19):425
Sheep lameness after dip [letter] Giles N. Vet Rec 1981 Jun 13;108(24):523
Experimental pulmonary infections of sheep caused by Pasteurella haemolytica biotype T. Gilmour NJ, et al. Vet Rec 1980 Jun 14;106(24):507–8
Nutritional myopathy in feeding hoggs. Greig A, et al. Vet Rec 1980 Jul 19;107(3):62–3
Condemnation of sheep due to ascariasis [letter] Mitchell GB,

et al. **Vet Rec** 1980 Jul 19;107(3):70
Experimental Salmonella abortus ovis infection in ewes. Pardon P, et al. **Vet Rec** 1980 Apr 26;106(17):389–90
Lamb survival [letter] Shaw WB. **Vet Rec** 1981 Mar 21; 108(12):265
Coenurosis in sheep [letter] Vicary RW. **Vet Rec** 1979 Jul 7;105(1):21
Lamb survival [letter] Winkler CE. **Vet Rec** 1981 Ap 11; 108(15):342
Head and neck abscesses in sheep caused by Corynebacterium pyogenes. Hago BE, et al. **Zentralbl Veterinaermed [B]** 1980;27(9–10):823–5
Cutaneous hypersensitivity in sheep injected with sheep pox virus soluble antigens. Sambyal DS, et al. **Zentralbl Veterinaermed [B]** 1980;27(7):544–8
[Brain teratology as a result of transplacental virus infection in ruminants] Coetzer JA. **J S Afr Vet Assoc** 1980 Sep; 51(3):153–7 (Eng. Abstr.) **(Afr)**
[Army–worm disease, a form of poisoning occurring in cattle and sheep on the North Island of New Zealand and some other areas of the southern hemisphere, due to grazing on pastures showing a luxuriant growth of Kikuyu grass (author's transl)] van der Schaaf A. **Tijdschr Diergeneeskd** 1981 Feb 1;106(3):119–24 (Eng. Abstr.) **(Dut)**
[Campylobacter fetus intestinalis: 1st isolation associated with ovine epizootic abortion in Mexico] Mancera Martinez A, et al. **Rev Latinoam Microbiol** 1980 Jul–Sep;22(3):109–11 (Eng. Abstr.) **(Spa)**

FAMILIAL & GENETIC

The significance of certain skin characters of sheep in resistance and susceptibility to fleece–rot and body strike. Watts JE, et al. **Aust Vet J** 1980 Feb;56(2):57–63
Crossbreeding in tropical sheep: incidence of dystocia and parturition losses. Osuagwuh AI, et al. **Trop Anim Health Prod** 1980 May;12(2):85–9
[Genetics and latent defects in animals. II. Microphthalmia in sheep (author's transl)] van der Mey GJ, et al. **Tijdschr Diergeneeskd** 1980 Sep 15;105(18):792–5 (Eng. Abstr.) **(Dut)**

IMMUNOLOGY

Clinical evaluation of immunity following experimental or natural infection of ewes with Chlamydia psittaci (var. ovis). Rodolakis A, et al. **Ann Rech Vet** 1980;11(2):215–23
Intestinal lymph and the local antibody and immunoglobulin response to infection by Trichostrongylus colubriformis in sheep. Adams DB, et al. **Aust J Exp Biol Med Sci** 1980 Apr;58(2):167–77
An assessment of a commerically available haemagglutination test for detecting toxoplasma antibodies in ovine sera. Hunter D, et al. **Br Vet J** 1980 Jul–Aug;136(4):339–42
Fatal hemolytic disease in sheep attributed to Leptospira interrogans serotype hardjo infection. Schmitz JA, et al. **Cornell Vet** 1981 Apr;71(2):175–82
The effect of sire selection on the response of lambs to vaccination with irradiated Trichostrongylus colubriformis larvae. Dineen JK, et al. **Int J Parasitol** 1980 Jun; 10(3):189–96
The effect of acquired resistance on adult worms of Trichostrongylus colubriformis in lambs. Dineen JK, et al. **Int J Parasitol** 1980 Aug;10(4):249–52
Haemonchus contortus resistance in straightbred and crossbred Barbados Blackbelly sheep. Yazwinski TA, et al. **J Anim Sci** 1980 Aug;51(2):279–84
Studies on amphistomiasis in Andhra Pradesh (India) VI. Immunization of lambs and kids with gamma irradiated metacercariae of Cercariae indicae XXVI. Hafeez M, et al. **J Helminthol** 1981 Mar;55(1):29–32
Studies on Haemonchus contortus. III. Titration of Trichostrongylus axei and explusion of H. contortus. Reinecke RK, et al. **Onderstepoort J Vet Res** 1980 Mar; 47(1):35–44
Factors regulating tapeworm populations: estimations of the duration of acquired immunity by sheep to Taenia hydatigena. Gemmell MA, et al. **Res Vet Sci** 1981 Jan; 30(1):53–6
Stimulation of resistance to Fasciola hepatica infection in sheep by a regime involving the use of the immunomodulatory compound L tetramisole (levamisole). Mitchell GB, et al. **Res Vet Sci** 1981 May;30(3):343–8
Response of sheep to challenge infection with Fasciola hepatica. Sandeman RM, et al. **Res Vet Sci** 1981 May; 30(3):294–7
Serum antibody response of ewes and their lambs to Pasteurella haemolytica. Gilmour NJ, et al. **Vet Rec** 1980 Nov 29;107(22):505–7
Anti–oncospheral antibodies in the serum of lambs experimentally infected with either Taenia ovis or Taenia hydatigena. Craig PS, et al. **Z Parasitenkd** 1981; 64(2):169–77
Antibodies to mycobacterium paratuberculosis in intestinal fluids of sheep with Johne's disease (paratuberculosis). Muhammed SI, et al. **Zentralbl Veterinaermed [B]** 1980; 27(5):360–4
[Activity and specificity of the MAP antigen in vibriosis] Ganovski M. **Vet Med Nauki** 1980;17(4):75–81 (Eng. Abstr.) **(Bul)**

METABOLISM

Leakage of plasma proteins onto the skin surface of sheep during the development of fleece–rot and body strike [letter] Watts JE, et al. **Aust Vet J** 1981 Feb;57(2):98–9
Copper deficiency in ruminants. McMurray CH. **Ciba Found Symp** 1980;(79):183–207
Cholecystokinin and anorexia in sheep infected by the intestinal nematode Trichostrongylus colubriformis. Symons LE, et al. **Int J Parasitol** 1981 Feb;11(1):55–8
Oestrogen receptors and metabolic activity in the genital tract after ovariectomy of ewes with permanent infertility caused by exposure to phytooestrogens. Tang BY, et al. **J Endocrinol** 1981 Jun;89(3):365–70
Creatine kinase release and muscle changes in chronic copper poisoning in sheep. Gooneratne SR, et al. **Res Vet Sci** 1980 May;28(3):351–61
Gluconeogenesis from glycerol by ketotic sheep pregnant with twins. Ranaweera A, et al. **Res Vet Sci** 1981 May; 30(3):303–8

MICROBIOLOGY

Properties of ovine adenoviruses. Belák S. **Acta Vet Acad Sci Hung** 1980;28(1):47–55
Isolation of Leptospira interrogans serovar Hardjo from sheep [letter] Gordon LM. **Aust Vet J** 1980 Jul;56(7):348–9
Ovine coccidiosis in Nigeria: a study of the prevalence and epidemiology of infections on the Jos Plateau and environs. Fabiyi JP. **Bull Anim Health Prod Afr** 1980 Mar;28(1):21–5
Serotypic and biochemical characterization of Bacteroides nodosus isolates from Oregon. Schmitz JA, et al. **Can J Comp Med** 1980 Oct;44(4):440–6
Differentiation of Bacteroides nodosus biotypes and colony variants in relation to their virulence and immunoprotective properties in sheep. Skerman TM, et al. **Infect Immun** 1981 May;32(2):788–95
Isolation of a pathogenic strain of ovine adenovirus type 5 and a comparison of its pathogenicity with that of another strain of the same serotype. Belák S, et al. **J Comp Pathol** 1980 Apr;90(2):169–76
Isolation of Leptospira interrogans serovar hardjo from sheep in New Zealand [letter] Bahaman AR, et al. **NZ Vet J** 1980 Aug;28(8):1980
Studies on Sarcocystis species VII: the effect of temperature on the viability of macrocysts (Sarcocystis gigantea) of sheep. Collins GH, et al. **NZ Vet J** 1980 Sep;28(9):189–91
Experimental infection of sheep and cattle with Leptospira interrogans serovar balcanica. Mackintosh CG, et al. **NZ Vet J** 1981 Jan–Feb;29(1–2):15–9
Wesselsbron disease: virological and serological studies in experimentally infected sheep and goats. Theodoridis A, et al. **Onderstepoort J Vet Res** 1980 Dec;47(4):221–9
Actinobacillus seminis infection in sheep in the Republic of South Africa. I. Identification of the problem. van Tonder EM. **Onderstepoort J Vet Res** 1979 Sep;46(3):129–33
Border disease: virus persistence, antibody response and transmission studies. Terpstra C. **Res Vet Sci** 1981 Mar; 30(2):185–91
Arizona 26:29:30 in sheep in the United Kingdom. Hall ML, et al. **Vet Rec** 1980 Dec 20;107(25–26):581–2
Staphylococcal dermatitis of sheep. Scott FM, et al. **Vet Rec** 1980 Dec 20;107(25–26):572–4
Slow virus infections of the nervous system of sheep. Stamp JT. **Vet Rec** 1980 Dec 6;107(23):529–30
Plasmid curing in Escherichia coli isolated from diarrhoeic lambs and from a clinically healthy kid. Adetosoye AI. **Zentralbl Veterinaermed [B]** 1980;27(1):55–60
Isolation of chlamydia from pneumonic lungs of buffaloes, cattle and sheep. Dhingra PN, et al. **Zentralbl Veterinaermed [B]** 1980;27(8):680–2
[Experimental induction of foot rot in sheep] Masalski N. **Vet Med Nauki** 1980;17(8):14–8 (Eng. Abstr.) **(Bul)**
[Border disease: a persistent virus infection in sheep (author's transl)] Terpstra C. **Tijdschr Diergeneeskd** 1980 Aug 15; 105(16):650–6 (Eng. Abstr.) **(Dut)**

MORTALITY

Experimental Escherichia coli and rotavirus infection in lambs. Wray C, et al. **Res Vet Sci** 1981 May;30(3):379–81

OCCURRENCE

An epizootic of Akabane disease in bovines, ovines and caprines in Israel, 1969–70: epidemiological assessment. Shimshony S. **Acta Morphol Acad Sci Hung** 1980; 28(1–2):197–9
Border disease in Norway. Løken T, et al. **Acta Vet Scand** 1981;22(1):137–39
An outbreak of listerial meningo–encephalitis in sheep. Vandegraaff R, et al. **Aust Vet J** 1981 Feb;57(2):94–6
Prevalence, distribution and economic significance of Stilesia hepatica Wolffhugel, 1903 (Cestoda: Cyclophyllidae: Anaplocephalidae) in Kenya between 1975 and 1978. Cheruiyot HK. **Bull Anim Health Prod Afr** 1980 Jun; 28(2):139–43
The Northumberland epidemic of foot–and–mouth disease, 1966. Sellers RF, et al. **J Hyg (Lond)** 1980 Aug;85(1):129–40
An outbreak of white muscle disease in lambs born of ewes on a zero grazing system in Natal. Bryson RW, et al. **J S Afr Vet Assoc** 1979 Sep;50(3):159–60
A field outbreak of suspected stachybotryotoxicosis in sheep. Schneider DJ, et al. **J S Afr Vet Assoc** 1979 Jun;50(2):73–81
A longitudinal serological survey of respiratory virus infections in lambs. Davies DH, et al. **NZ Vet J** 1980 Jul; 28(7):125–7
Actinobacillus seminis infection in sheep in the Republic of South Africa. II. Incidence and geographical distribution. van Tonder EM. **Onderstepoort J Vet Res** 1979 Sep; 46(3):135–40
Patterns of wool moisture in merino sheep and its associated with blowfly strike. Hall CA, et al. **Res Vet Sci** 1980 Sep; 29(2):181–5
The seasonal incidence of coccidia infections in trade cattle, sheep, and goats in Nigeria. Majaro OM, et al. **Tijdschrift Voor Diergeneeskd** 1981 Apr 15;106(8):suppl 3:85–90
Evidence of sheep pox in Nigeria. Asagba MO, et al. **Trop Anim Health Prod** 1981 Feb;13(1):61
Chronic copper poisoning of sheep in Nigeria. Edelsten RM. **Trop Anim Health Prod** 1980 May;12(2):69–76
Enzootic ataxia of lambs and kids in the Ethiopian Rift Valley. Roeder PL. **Trop Anim Health Prod** 1980 Nov; 12(4):229–33
Incidence of liver fluke infections (Fasciola gigantica and Dicrocoelium hospes) in ruminants in northern Nigeria. Schillhorn van Veen TW, et al. **Trop Anim Health Prod** 1980 May;12(2):97–104
Ovine coccidiosis in England and Wales 1978–1979. Gregory MW, et al. **Vet Rec** 1980 May 31;106(22):461–2 (1 ref.)
Field studies on enzootic abortion of ewes in south east Scotland. Linklater KA, et al. **Vet Rec** 1979 Oct 27; 105(17):387–9
[A skeletal disease in fattening lambs] Elmer–Englhard D. **Berl Muench Tieraerztl Wochenschr** 1980 Dec 1; 93(23):468–73 (Eng. Abstr.) **(Ger)**
[Prevalence of sheep toxoplasmosis determined by the Sabin–Feldman reaction in animals from Uruguaiana, RS, Brazil] Larsson CE, et al. **Rev Saude Publica** 1980 Dec; 14(4):582–8 (Eng. Abstr.) **(Por)**

PARASITOLOGY

A study of ovine gastro–intestinal strongylosis in a sheep flock on permanent pasture. II. Population dynamics of parasites on the pasture in 1977 and an epidemiological interpretation. Gruner L, et al. **Ann Rech Vet** 1980; 11(2):133–40
Changes in the worm burden of lambs under continuous infection with Ostertagia circumcincta. Gibson TE, et al. **Br Vet J** 1981 Mar–Apr;137(2):192–5
Sarcocystosis in cattle and sheep at Prague abattoir. Cerná Z, et al. **Folia Parasitol (Praha)** 1981;28(2):125–9
The effect of selection with levamisole on benzimidazole resistance in Ostertagia spp. of sheep. Donald AD, et al. **Int J Parasitol** 1980 Nov–Dec;10(5–6):381–9
The epizootiology of nematode parasites of sheep in a high–rainfall area of Zimbabwe. Grant JL. **J S Afr Vet Assoc** 1981 Mar;52(1):33–7
Two types of ovine Sarcocystis macrocysts distinguished by periodic acid–Schiff staining of the cyst walls. Moore S. **NZ Vet J** 1980 May;28(5):101–2
Studies on Haemonchus contortus. II. The effect of abomasal nematodes on subsequent challenge with H. contortus. Reinecke RK, et al. **Onderstepoort J Vet Res** 1979 Dec; 46(4):199–205
The structure of the intestine of Nematodirus battus and changes during the course of an infection in lambs. Lee DL, et al. **Parasitology** 1980 Aug;81(1):27–33
Changes in the structure of the male reproductive system of Nematodirus battus during its rejection from lambs. Martin J, et al. **Parasitology** 1980 Dec;81(Pt 3):587–92
Structural studies on crystals found in the intestine of Nematodirus battus. Lee DL, et al. **Proc R Soc Lond [Biol]** 1980 Jul 17;208(1173):409–14
Experiments on inhibited development of Haemonchus contortus and Ostertagia circumcincta in sheep in The Netherlands. Eysker M. **Res Vet Sci** 1981 Jan;30(1):62–5
Five generations of selection with benzimidazole and non–benzimidazole anthelmintics against benzimidazole resistant strains of Haemonchus and Ostertagia spp in sheep. Hall CA, et al. **Res Vet Sci** 1981 Mar;30(2):138–42
Changes in response of a benzimidazole resistant strain of Haemonchus contortus from sheep after passing through calves. Hall CA, et al. **Res Vet Sci** 1981 Mar;30(2):143–6
Use of guniea pigs to assay anthelmintic resistance in ovine isolates of Trichostrongylus colubriformis. Kelly JD, et al. **Res Vet Sci** 1981 Mar;30(2):131–7
Arrested development of intestinal Trichostrongylus spp in grazing sheep and seasonal changes in the relative abundance of T colubriformis and T vitrinus. Waller PJ, et al. **Res Vet Sci** 1981 Mar;30(2):213–6
Trichostrongylus colubriformis and Ostertagia sp resistant to levamisole, morantel tartrate and thiabendazole: isolation into pure strain and anthelmintic titration. Whitlock HV, et al. **Res Vet Sci** 1980 Jul;29(1):31–5
A preliminary observation on the pathogenicity of Fasciola gigantica in pregnant West African Dwarf ewes. Ogunrinade A. **Rev Elev Med Vet Pays Trop** 1979; 32(3):247–9
Arbovirus isolations from ixodid ticks infesting livestock, Kano Plain, Kenya. Johnson BK, et al. **Trans R Soc Trop Med Hyg** 1980;74(6):732–7
Sheep as an experimental model of Taenia saginata cysticercosis. Geerts S, et al. **Trop Anim Health Prod** 1981 Feb;13(1):37–40

A case of Ascaris suum infection in lambs. Gunn A. **Vet Rec** 1980 Dec 20;107(25-26):581

A large Babesia of sheep from North Wales. Lewis D, et al. **Vet Rec** 1980 Oct 11;107(15):352-3

Experimental cross-infections with gastrointestinal nematodes of sheep and cattle. Borgsteede FH. **Z Parasitenkd** 1981;65(1):1-10

[Anthelmintic resistance of trichostrongyloidea in sheep] Jordi R. **Schweiz Arch Tierheilkd** 1980 Dec;122(12):679-94 (Eng. Abstr.) **(Ger)**

[Toxic phase of the paralysis-inducing female Rhipicephalus evertsi evertsi Neumann, 1897, during repletion] Gothe R, et al. **Zentralbl Veterinaermed [B]** 1980;27(7):524-43 (Eng. Abstr.) **(Ger)**

[Critical test of the activity of tetramisole phosphate on gastrointestinal helminths of sheep] Oba MS, et al. **Arq Inst Biol (Sao Paulo)** 1979 Jul-Dec;46(3-4):127-30 (Eng. Abstr.) **(Por)**

[Nematodirus spathiger (Nematoda: Trichostrongylidae) in lambs from Balmaceda, Chile (author's transl)] Valenzuela G, et al. **Bol Chil Parasitol** 1980 Jan-Mar;35(1-2):29-30 (Eng. Abstr.) **(Spa)**

[Marshallagia marshalli in lambs from Balmaceda, Chile (author's transl)] Valenzuela G, et al. **Bol Chil Parasitol** 1980 Jan-Mar;35(1-2):30-1 (Eng. Abstr.) **(Spa)**

PATHOLOGY

Distribution of lesions in ovine weaner nutritional myopathy in Western Australia [letter] Allen JG, et al. **Aust Vet J** 1980 Nov;56(11):560

Central nervous system changes in sheep and cattle affected with natural or experimental annual ryegrass toxicity [letter] Berry PH, et al. **Aust Vet J** 1980 Aug;56(8):402-3

Intra-testicular haemorrhage in a merino ram [letter] Chapman HM, et al. **Aust Vet J** 1981 Jan;57(1):51-2

Establishing a prognosis for fire damaged sheep. McAuliffe PR, et al. **Aust Vet J** 1980 Mar;56(3):123-32

Tail lesions in merino lambs. Swan RA, et al. **Aust Vet J** 1980 Sep;56(9):439-41

Induced thiamin deficiency in lambs. Thornber EJ, et al. **Aust Vet J** 1981 Jan;57(1):21-6

Trypanosomiasis in sheep--case report. Kariuki DP, et al. **Bull Anim Health Prod Afr** 1980 Mar;28(1):7-9

Syndromes of astragalus poisoning in livestock. James LF, et al. **J Am Vet Med Assoc** 1981 Jan 15;178(2):146-50

Broken mouth (premature incisor loss) in sheep: the pathogenesis of periodontal disease. Spence JA, et al. **J Comp Pathol** 1980 Apr;90(2):275-92

Ultrastructure of the small intestine in astrovirus-infected lambs. Gray EW, et al. **J Gen Virol** 1980 Jul;49(1):71-82

Relationship of globule leucocytes to infections with Fasciola hepatica in sheep. Knight RA. **J Parasitol** 1980 Oct; 66(5):844-5

Mesangiocapillary glomerulonephritis in lambs: the ultrastructure and immunopathology of diffuse glomerulonephritis in newly born Finnish Landrace lambs. Angus KW, et al. **J Pathol** 1980 May;131(1):65-74

Elaeophorosis in Barbary sheep and mule deer from the Texas Panhandle. Pence DB, et al. **J Wildl Dis** 1981 Jan; 17(1):49-56

An ovine case of generalized aspergillosis with alimentary lesions. Chihaya Y, et al. **Nippon Juigaku Zasshi** 1980 Dec; 42(6):703-7

Tuberculosis in a flock of sheep. Davidson RM, et al. **NZ Vet J** 1981 Jan-Feb;29(1-2):1-2

The pathology of bacterial infection of the genitalia in rams. Jansen BC. **Onderstepoort J Vet Res** 1980 Dec;47(4):263-7

Nematodirus battus: scanning electron microscope studies of the duodenal mucosa of infected lambs. Martin J, et al. **Parasitology** 1980 Dec;81(Pt 3):573-8

Further observations on the testicular pathology in Trypanosoma vivax infection of sheep and goats. Anosa VO, et al. **Res Vet Sci** 1980 Mar;28(2):151-60

Globule leucocytes and Peyer's patches in lambs infected with coccidia. Gregory MW, et al. **Res Vet Sci** 1981 May; 30(3):385-7

The pathogenesis of Schistosoma matthei in the sheep. Lawrence JA. **Res Vet Sci** 1980 Jul;29(1):1-7

Histochemical and morphometric evaluation of skeletal muscle of cachectic sheep. Hulland TJ. **Vet Pathol** 1981 May;18(3):279-98

Acidophil adenoma in the pituitary gland of a sheep. Olson DP, et al. **Vet Pathol** 1981 Jan;18(1):132-5

Cerebellar malformation in two dogs and a sheep. Pass DA, et al. **Vet Pathol** 1981 May;18(3):405-7

Experimental infection of goats, sheep and calves with the large colony type of Mycoplasma mycoides subsp. mycoides. Rosendal S. **Vet Pathol** 1981 Jan;18(1):71-81

Studies on natural and experimental endometritis in ewes. Sokkar SM, et al. **Vet Pathol** 1980 Nov;17(6):693-8

Condemnation of sheep livers probably due to ascariasis [letter] Borland ED, et al. **Vet Rec** 1980 Sep 13; 107(11):265-6

Lamb survival [letter] Haig G. **Vet Rec** 1981 Feb 28; 108(9):195

Effect of Psoroptes ovis on the weight of sheep. Kirkwood AC. **Vet Rec** 1980 Nov 15;107(20):469-70

[Mortality in lambs due to impaction of the abomasum by an Ornithopus sativus Brot. (seredella) bezoar] Schneider DJ, et al. **J S Afr Vet Assoc** 1980 Dec;51(4):245-7 (Eng. Abstr.) **(Afr)**

[Pathomorphological changes in Brucella ovis-infected sheep] Dimitrov A. **Vet Med Nauki** 1980;17(3):31-8 (Eng. Abstr.) **(Bul)**

PHYSIOPATHOLOGY

Abnormal function of the corpus luteum in some ewes with phyto-oestrogenic infertility. Adams NR, et al. **Aust J Biol Sci** 1981;34(1):61-5

Central sympathetic control of uterine blood flow during acute heat stress. Brown DE, et al. **J Anim Sci** 1981 May; 52(5):1114-21

Ontogeny of the adrenal and behavioral responses of lambs to emotional stress. Moberg GP, et al. **J Anim Sci** 1980 Jul;51(1):138-42

Cold stress as it affects animal production. Young BA. **J Anim Sci** 1981 Jan;52(1):154-63

Release of angiotensin converting enzyme by the lung after Pseudomonas bacteremia in sheep. Gorin AB, et al. **J Clin Invest** 1981 Jul;68(1):163-70

Functioning of the thyroid gland in sheep infected with Trichostrongylus colubriformis. Hennessy DR, et al. **Res Vet Sci** 1981 Jan;30(1):87-92

PREVENTION & CONTROL

Evaluation of a formalin-inactivated Rift Valley fever vaccine in sheep. Harrington DG, et al. **Am J Vet Res** 1980 Oct;41(10):1559-64

Prevention of ovine lupinosis by the oral administration of zinc sulphate and the effect of such therapy on liver and pancreas zinc and liver copper. Allen JG, et al. **Aust Vet J** 1980 Apr;56(4):168-71

Eradication of levamisole-resistant Ostertagia [letter] Le Jambre LF. **Aust Vet J** 1981 Feb;57(2):99-100

Efficacy of albendazole for prevention of fasciliasis in sheep. Rew RS, et al. **J Am Vet Med Assoc** 1980 Jun 15; 176(12):1353-4

Thiopeptin for the prevention of ovine lactic acidosis induced by diet change. Muir LA, et al. **J Anim Sci** 1980 Nov; 51(5):1182-8

Amprolium toxicity.-Apparent difference in susceptibility between penned and pastured sheep [letter] Munday BL. **J Parasitol** 1981 Apr;67(2):149

Plant poisoning in livestock. Management strategies for prevention. James LF. **Mod Vet Pract** 1980 Nov; 61(11):895-900

The effect of vaccination of lambs with live parainfluenza virus type 3 on pneumonia produced by parainfluenza virus type 3 and Pasteurella haemolytica. Davies DH, et al. **NZ Vet J** 1980 Oct;28(10):201-2

Effective immunization of lambs against enterotoxaemia. Cameron CM. **Onderstepoort J Vet Res** 1980 Dec; 47(4):287-9

Controlled release of anthelmintic drugs: a new concept for prevention of helminthosis in sheep. Anderson N, et al. **Res Vet Sci** 1980 Nov;29(3):333-41

Effect of alum-precipitated or oil-adjuvant Bacteroides nodosus vaccines on the resistance of sheep to experimental foot rot. Egerton JR, et al. **Res Vet Sci** 1981 Jan;30(1):28-31

The effect of a drying agent (B26) on wool moisture and blowfly strike. Hall CA, et al. **Res Vet Sci** 1980 Sep; 29(2):186-9

Attempts to immunise sheep with culture antigens of Taenia hydatigena. Onawunmi OA, et al. **Res Vet Sci** 1980 Jul; 29(1):122-3

An attempt to vaccinate sheep against Fasciola hepatica using a juvenile fluke antigen sheep antibody complex. Sandeman RM, et al. **Res Vet Sci** 1980 Sep;29(2):255-9

Haemonchus contortus: attempts to immunise lambs with irradiated larvae. Smith WD, et al. **Res Vet Sci** 1980 Jul; 29(1):45-50

Comparison of alum-absorbed or non-alum-absorbed oil emulsion vaccines containing either pilate or non-pilate Bacteroides nodosus cells in inducing and maintaining resistance of sheep to experimental foot rot. Thorley CM, et al. **Res Vet Sci** 1981 Jan;30(1):32-7

Diazinon for the control of sheep scab. Kirkwood AC, et al. **Vet Rec** 1981 Mar 28;108(13):279-80

Urolithiasis in calves and lambs [letter] Parker BN. **Vet Rec** 1981 Jun 20;108(25):545-6

Factors influencing the effectiveness of adenovirus vaccination in lambs. Pálfi V, et al. **Zentralbl Veterinaermed [B]** 1980;27(5):345-51

[Problems posed by viral diseases in sheep in the Sahelian and Sudano-Sahelian area] Bourdin P. **Rev Elev Med Vet Pays Trop** 1979;32(2):123-9 (Eng. Abstr.) **(Fre)**

[Chemoprophylaxis and therapy of acute sarcosporidiosis] Heydorn AO, et al. **Berl Munch Tieraerztl Wochenschr** 1981 Jun 1;94(11-12):229-34 (Eng. Abstr.) **(Ger)**

[Immunogenic effect of anthrax protective antigen] Prokupek K, et al. **Vet Med (Praha)** 1981;26(5):279-90 (Eng. Abstr.) **(Slo)**

[Comparative study of the protective effects of 3 carboxylic acids on urea and ammonia toxicity in sheep] Sutiak V, et al. **Vet Med (Praha)** 1981;26(4):223-32 (Eng. Abstr.) **(Slo)**

RADIOGRAPHY

What is your diagnosis? Concentric, laminated radiopaque intra-abdominal mass. Hansen JF, et al. **J Am Vet Med Assoc** 1981 Apr 1;178(7):741-2

SURGERY

Bilateral horn fracture in a bighorn ewe. Haigh JC, et al. **J Am Vet Med Assoc** 1980 Nov 1;177(9):950-1

Repair of fractured capital femoral epiphysis in two sheep. McPherron TA, et al. **J Am Vet Med Assoc** 1980 Aug 15;177(4):355-8

Surgical repair of ruptured urinary bladder in a ram. Tulleners EP, et al. **J Am Vet Med Assoc** 1980 Oct 15; 177(8):708-9

Repair of entropion in lambs. Rasmussen RE. **Mod Vet Pract** 1980 Nov;61(11):943-4

Clinical signs and treatment of aged sheep with loose mandibular or maxillary cheek teeth. Andrews AH. **Vet Rec** 1981 Apr 11;108(15):331-1

Repair of entropion in the lamb. Rook JS, et al. **VM SAC** 1981 Apr;76(4):571-4

THERAPY

Nasal adenocarcinoma in a ewe. Rings DM, et al. **J Am Vet Med Assoc** 1981 Apr 1;178(7):737-8

Foot rot in sheep [letter] de L Banting A. **Vet Rec** 1979 Oct 13;105(15):359-60

TRANSMISSION

Clinical Fascioloides magna infection in sheep in Oregon on pasture shared by Columbian white-tailed deer. Foreyt WJ, et al. **Am J Vet Res** 1980 Sep;41(9):1531-2

Survival and development of larvae of the common nematodes of ruminants after long-term cryopreservation and investigation of different routes of infestation. Van Wyk JA, et al. **Onderstepoort J Vet Res** 1980 Sep; 47(3):129-36

SHELLFISH

see related
CLAMS
CRABS
CRAYFISH
LOBSTERS
MUSSELS
OYSTERS
SHRIMP

Lymphatic absorption of shellfish sterols and their effects on cholesterol absorption. Vahouny GV, et al. **Am J Clin Nutr** 1981 Apr;34(4):507-13

Distribution of Clostridium botulinum around fishing areas of the western part of Indonesian waters. Suhadi F, et al. **Appl Environ Microbiol** 1981 Jun;41(6):1468-71

Absorption and transport of shellfish sterols in human subjects. Connor WE, et al. **Gastroenterology** 1981 Aug; 81(2):276-84

Some results of recent surveys of fish and shellfish consumption by age and region of U.S. residents. Rupp EM, et al. **Health Phys** 1980 Aug;39(2):165-75

Automatic incubator for use with modified A-1 test for enumerating fecal coliform bacteria in shellfish growing waters. Cook DW. **J Assoc Off Anal Chem** 1981 May; 64(3):771-3

Comparison of modified A-1 method with standard EC test for recovery of fecal coliform bacteria for shellfish. Hunt DA, et al. **J Assoc Off Anal Chem** 1981 May;64(3):607-10

Recurrence of Pelecypod-associated cholera in Sardinia. Salmaso S, et al. **Lancet** 1980 Nov 22;2(8204):1124-7

Doctors in the kitchen. Experiments with cooking bivalve mollusks. Giusti G, et al. **N Engl J Med** 1981 May 28; 304(22):1371-2

Transformation of paralytic shellfish toxins as demonstrated in scallop homogenates. Shimizu Y, et al. **Science** 1981 May 1;212(4494):547-9

Characterization of some vibrio parahaemolyticus strains isolated from seafoods in Lebanon. Abdelnoor AM, et al. **Zentralbl Bakteriol [B]** 1980;170(5-6):502-7

ADVERSE EFFECTS

[Poisonous marine invertebrates on the Tunisian coast. Nature and action of their toxin. Therapeutic and prophylactic methods] Capapé C, et al. **Arch Inst Pasteur Tunis** 1980 Dec;57(4):311-22 (Eng. Abstr.) **(Fre)**

ANALYSIS

Shellfish quality standards. Aulicino FA, et al. **Ann Ist Super Sanita** 1979;15(4):709-18

Heavy metals and organochlorine residues in marine animals and coastal sediments of the Tirrenean sea around Naples. Camoni I, et al. **Ann Ist Super Sanita** 1980;16(4):645-56

Gas chromatographic method for the determination of residues of chlordanes and related compounds in fish and shellfish. Miyazaki T, et al. **Bull Environ Contam Toxicol** 1980 Aug;25(2):305-12

Selenium and mercury in foodstuff from a locality with elevated intake of methylmercury. Suzuki T, et al. **Bull Environ Contam Toxicol** 1980 May;24(5):805-11

Use of fluorometry for the determination of Gonyaulax tamarensis var. excavata toxins in New England shellfish. Shoptaugh NH, et al. **J Agric Food Chem** 1981 Jan-Feb; 29(1):198-200

Structural studies on glycolipid of shellfish. III. Novel glycolipids from Turbo cornutus. Matsubara T, et al.

J Biochem (Tokyo) 1981 Feb;89(2):645–50
[Determination of saxitoxin in canned shellfish (author's transl)] Hellwig E, et al. Z Lebensm Unters Forsch 1980 Sep;171(3):165–9 (Eng. Abstr.) (Ger)

POISONING

Diseases from fish and shellfish ingestion. Dembert ML, et al. Am Fam Physician 1981 Aug;24(2):103–8
Commentary on AOAC method for paralytic shellfish poisoning. Adams WN, et al. J Assoc Off Anal Chem 1980 Nov;63(6):1336–43
Shellfishborne disease control in the United States: a commentary. Shear CL, et al. Med Hypotheses 1980 Mar; 6(3):315–27
Lethality in mice of the coconut crab Birgus latro. Fusetani N, et al. Toxicon 1980;18(5–6):694–8
[Paralysing shell fish poisoning] Grimard D, et al. Union Med Can 1981 Feb;110(2):144–50 (Fre)
[Shellfish poisoning. A short review of shellfish poisoning and a description of an outbreak] Gulbrandsen RK, et al. Tidsskr Nor Laegeforen 1981 Mar;101(7):452–4 (Eng. Abstr.) (Nor)
[Paralytic poisoning caused by mollusks] Noya M, et al. Rev Clin Esp 1981 Mar 15;160(5):283–6 (Spa)

STANDARDS

Modification of the standard most-probable-number procedure for fecal coliform bacteria in seawater and shellfish. Dexter F. Appl Environ Microbiol 1981 Jul; 42(1):184–5

SHELTERED WORKSHOPS

Social ecology of supervised communal facilities for mentally disabled adults. V. Residence as a predictor of social and work adjustment. Berkson G. Am J Ment Defic 1981 Jul; 86(1):39–42
Social ecology of supervised communal facilities for mentally disabled adults: VI. Initial social adaptation. Heller T, et al. Am J Ment Defic 1981 Jul;86(1):43–9
Social ecology of supervised communal facilities for mentally disabled adults: IV. Characteristics of social behavior. Romer D, et al. Am J Ment Defic 1981 Jul;86(1):28–38
Money isn't everything: opportunities for elderly handicapped men in a sheltered workshop. Fengler AP, et al. Gerontologist 1980 Dec;20(6):636–41
Neighborhood types and community reaction to the mentally ill: a paradox of intensity. Segal SP, et al. J Health Soc Behav 1980 Dec;21(4):345–59
Length of stay of patients in sheltered care and physical space: a comparative study. Johnson GR, et al. Psychol Rep 1980 Dec;47(3 Pt 1):703–8
[Sheltered workshops in a large city] Renker U, et al. Z Gesamte Hyg 1980;26(10):774–5 (Ger)

ORGANIZATION & ADMINISTRATION

A letter to a developmental disabilities administrator. Berkson G, et al. Monogr Am Assoc Ment Defic 1981;(4):167–81
[Problems in the rehabilitation of mental patients in rural districts (author's transl)] Spielhofer H, et al. Psychiatr Prax 1980 Nov;7(4):247–54 (Eng. Abstr.) (Ger)
[Sheltered living and sheltered work for psychiatric patients in an urban region (Zurich, Switzerland) – experiences and trends (author's transl)] Uchtenhagen A. Psychiatr Prax 1980 Nov;7(4):237–46 (Eng. Abstr.) (Ger)

UTILIZATION

Surveys of sheltered workshops and activity therapy centers in Australia funded under the Handicapped Persons Assistance Act. Loosemore F. Int J Rehabil Res 1980; 3(2):228–9

SHIGELLA

see related DYSENTERY, BACILLARY

ANALYSIS

Subunit structure of Shigella cytotoxin. Olsnes S, et al. J Biol Chem 1981 Aug 25;256(16):8732–8
[Detection of the host specificity system in shigellae] Tediashvili MI, et al. Biull Eksp Biol Med 1980 Sep; 90(9):324–5 (Eng. Abstr.) (Rus)

CLASSIFICATION

New provisional serovar (E10163) of Shigella boydii. Gross RJ, et al. J Clin Microbiol 1980 Aug;12(2):167–9
Evaluation of Urea–motility–indole medium for recognition and differentiation of Salmonella and Shigella species in stool cultures. Rosa Fraile M, et al. J Clin Microbiol 1980 Sep;12(3):310–3
[Isolation and identification of M-forms of Shigella and E. coli 0124] Fedorova ZF. Lab Delo 1981;(7):440–1 (Eng. Abstr.) (Rus)

DRUG EFFECTS

Evaluation of the in vitro activity of nifuroxazide on enteropathogenic microorganisms: determination of bacteriostatic and bactericidal concentrations and disk susceptibility. Vanhoof R, et al. Acta Clin Belg 1981; 36(3):126–9
Increase in drug resistance among Shigella dysenteriae, Sh flexneri, and Sh boydii. Gross RJ, et al. Br Med J [Clin Res] 1981 Aug 29;283(6291):575–6
Resistance to trimethoprim and other antibiotics in shigellae isolated in the province of Ontario. Bannatyne RM, et al. Can J Microbiol 1980 Oct;26(10):1256–8
Susceptibility of recent Shigella isolates to mecillinam, ampicillin, tetracycline, chloramphenicol, and cotrimoxazole. Uwaydah M, et al. J Antimicrob Chemother 1981 Jun;7(6):619–22
Comparison of liquid and agar-solidified defined media regarding the physiological mechanism by which beta-2-thienylalanine inhibits growth of Escherichia, Shigella, and Salmonella cultures. Brown KJ, et al. Microbiol Immunol 1980;24(7):603–15
[Drug resistance of Salmonella and Shigella strains isolated from soldiers in the tropics] Matras J. Przegl Epidemiol 1980;34(4):445–9 (Eng. Abstr.) (Pol)
[Shigella differentiation according to R factor affiliation with incompatibility groups taking into account antibiotic resistance spectra] Molochaeva IS, et al. Antibiotiki 1980 Oct;25(10):750–2 (Eng. Abstr.) (Rus)
[Antibiotic resistance of Shigella strains isolated in Cádiz (author's transl)] García Martos P, et al. Med Clin (Barc) 1980 Dec 15;75(10):425–9 (Eng. Abstr.) (Spa)

ENZYMOLOGY

Esterase electrophoretic pattern relatedness between Shigella species and Escherichia coli. Goullet P. J Gen Microbiol 1980 Apr;117(2):493–500
[Specificity and properties of Shigella DNA-methylases] Nikol'skaia II, et al. Vestn Akad Med Nauk SSSR 1981; (2):16–21 (Eng. Abstr.) (Rus)

GENETICS

Transferable resistance to trimethoprim in Shigella. Chun D, et al. J Infect Dis 1981 May;143(5):742
Characterization of citrate-utilizing (Cit) ability of citrate-positive Escherichia coli variants: stability and transferability of citrate utilization among Escherichia coli, Shigella and Salmonella strains. Asagi M, et al. Nippon Juigaku Zasshi 1980 Aug;42(4):407–15
[Formation of donor strains of enteropathogenic Escherichia, serogroups O112ac, O129, O143, and Sh. boydii 8 using R-plasmids] Borisov LB, et al. Zh Mikrobiol Epidemiol Immunobiol 1980 Nov;(11):89–92 (Eng. Abstr.) (Rus)

IMMUNOLOGY

[Determination of Shigella and Salmonella antigens by the coagglutination reaction in patients with acute intestinal infectious diseases] Bunin KV, et al. Sov Med 1981;(5):9–13 (Eng. Abstr.) (Rus)

ISOLATION & PURIFICATION

Salmonella and shigella surveillance in Hungary, 1972–1976. II. Shigella surveillance. Rudnai O, et al. Acta Microbiol Acad Sci Hung 1981;28(1):53–65
Salmonella, arizona, Shigella and Aeromonas isolated from the snail Achatina achatina in Nigeria. Obi SK, et al. Antonie Van Leeuwenhoek 1980;46(5):475–81
Evaluation of transport methods for isolating Shigella spp. Wells JG, et al. J Clin Microbiol 1981 Apr;13(4):789–90
A rapid and simple method for distinguishing colonies of proteus from those of Salmonella and Shigella. Senior BW. J Med Microbiol 1981 Feb;14(1):151–2
Diarrhea caused by Shigella, rotavirus, and Giardia in day-care centers: prospective study. Pickering LK, et al. J Pediatr 1981 Jul;99(1):51–6
The occurrence of enteric bacteria on lettuce leaves sold in local markets in Penang, Malaysia. Chapman SJ. Med J Malaysia 1980 Sep;35(1):7–8
Imported shigellosis: aerogenic Shigella boydii 74 (Sachs A 12) in a traveller followed by two cases of laboratory-associated infections. Aleksić S, et al. Tropenmed Parasitol 1981 Mar;32(1):61–4
[An experiment of the examination on the Shigella phage from wells in the epidemic areas (author's transl)] Yuan ZE. Chung Hua Yu Fang I Hsueh Tsa Chih 1979;13(1):47–8 (Chi)
[Selective-culture media for isolation of Shigella] Stypułkowska-Misiurewicz H, et al. Med Dosw Mikrobiol 1980;32(1):23–30 (Eng. Abstr.) (Pol)
[Proposed changes of procedure in studies on Salmonella and Shigella carrier states] Halasa J. Pol Tyg Lek 1980 Dec 8;35(49):1929–30 (Pol)
[Improved method of using antibiotics in the nutrient media for isolating Shigella (the 3-band method)] Chernomordik AB. Antibiotiki 1981 Jul;26(7):504–6 (Eng. Abstr.) (Rus)
[Errors occurring during the isolation of Shigella on gradient dishes of antibiotic-containing medium] Chernomordik AB. Lab Delo 1980;(11):685–7 (Eng. Abstr.) (Rus)
[Results of 20 years of using nutrient media with antibiotics for the purpose of isolating shigellae] Chernomordik AB, et al. Zh Mikrobiol Epidemiol Immunobiol 1980 Oct; (10):107–8 (Rus)
[Errors in the bacteriologic diagnosis of dysentery and ways of eliminating them] Proskuriakova NB, et al. Zh Mikrobiol Epidemiol Immunobiol 1981 May;(5):41–3 (Eng. Abstr.) (Rus)

METABOLISM

[Production of enterotoxins by different enteropathogenic bacteria with the aid of the rabbit ligated ileum test] Zeller H, et al. Arch Inst Pasteur Madagascar 1980;47(1):49–63 (Fre)

PATHOGENICITY

A study of bacterial infantile diarrhea. Joshi CK, et al. Indian J Pediatr 1980 Jul–Aug;47(387):307–10
Comparison of an HEp-2 tissue culture test with the Serény test for detection of enteroinvasiveness in Shigella spp. and Escherichia coli. Day NP, et al. J Clin Microbiol 1981 Mar; 13(3):596–7

PHYSIOLOGY

Survival of shigellae in soil. Leonardopoulos J, et al. Zentralbl Bakteriol [B] 1980 Sep;171(4–5):459–65
[Evaluation of the interaction of Bacterium alcalescens strains with shigellae and salmonellae] Man'kovskiĭ AV, et al. Mikrobiol Zh 1980 Jul–Aug;42(4):470–6 (Rus)

SHIGELLA BOYDII see under SHIGELLA

SHIGELLA DYSENTERIAE

Cytotoxicity of Shigella dysenteriae 1 for cultured mammalian cells. Hale TL, et al. Am J Clin Nutr 1980 Nov;33(11 Suppl):2485–90
Enterotoxins of enteric bacteria—a review. Kétyi I. Ann Immunol Hung 1979;19:9–24 (125 ref.)
Characterization of Shigella dysenteriae 1 (Shiga) toxin purified by anti-Shiga toxin affinity chromatography. O'Brien AD, et al. Infect Immun 1980 Oct;30(1):170–9
Quantitative microtiter cytotoxicity assay for Shigella toxin. Gentry MK, et al. J Clin Microbiol 1980 Sep;12(3):361–6

CYTOLOGY

Isolation and characterization of minicell-producing mutants of Shigella spp. Gemski P, et al. Infect Immun 1980 Oct; 30(1):297–302

GENETICS

Nucleotide sequences of the trpG regions of Escherichia coli, Shigella dysenteriae, Salmonella typhimurium and Serratia marcescens. Nichols BP, et al. J Mol Biol 1980 Oct 5; 142(4):503–17
Multiple copies of iso-insertion sequences of IS1 in Shigella dysenteriae chromosome. Ohtsubo H, et al. Nature 1981 Aug 13;292(5824):640–3

SHIGELLA FLEXNERI

ANALYSIS

Structural studies on Shigella flexneri serotype 6 core region. Katzenellenbogen E, et al. Eur J Biochem 1980 Dec; 113(1):205–11

CYTOLOGY

Isolation and characterization of minicell-producing mutants of Shigella spp. Gemski P, et al. Infect Immun 1980 Oct; 30(1):297–302

DRUG EFFECTS

Colonization by Salmonella typhimurium and Shigella flexneri III of the gastrointestinal tract of mice treated with beta-2-thienylalanine and streptomycin. Brown KJ, et al. Antonie Van Leeuwenhoek 1979;45(4):531–46
Pattern of Shigella flexneri serotypes and drug-resistance in Dacca. Mutanda LN, et al. Indian J Med Res 1981 Jan; 73:8–12
[Drug resistance of Shigella strains isolated in Central Italy during 1969–1976 (author's transl)] Caroli G, et al. Quad Sclavo Diagn 1979 Jun;15 Suppl 1:685–90 (Eng. Abstr.) (Ita)

GENETICS

[Shigella flexneri mutation giving rise to the appearance of fosfomycin-resistant avirulent forms with disordered carbohydrate utilization] Gershanovich VN, et al. Zh Mikrobiol Epidemiol Immunobiol 1980 Nov;(11):83–8 (Eng. Abstr.) (Rus)
[Characteristics of attenuated immunogenic mutants of shigella flexneri selected from phosphomycin-resistant clones] Lycheva TA, et al. Zh Mikrobiol Epidemiol Immunobiol 1980 Jun;(6):58–63 (Eng. Abstr.) (Rus)
[Mapping of mutations in genes of Flexner shigellae controlling the synthesis of certain ribosomal proteins and study of the effect of these mutations on bacterial virulence] Marakusha BI, et al. Zh Mikrobiol Epidemiol Immunobiol 1980 Dec;(12):25–31 (Eng. Abstr.) (Rus)

[Obtaining Shigella flexneri 2a mutants defective in utilization of certain carbon sources, their genetic and biological characteristics] Marakusha BI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Feb;(2):37–41 (Eng. Abstr.) **(Rus)**

[Chromosomal transformation of Escherichia coli by Shigella flexneri DNA] Timakova NV, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Aug;(8):36–8 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

[Effect of a pulsatile magnetic field on Shigella flexneri] Riabtseva VI, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Apr;(4):106 **(Rus)**

IMMUNOLOGY

Role of antigen form in development of mucosal immunoglobin A response to Shigella flexneri Antigens. Keren DF, et al. **Infect Immun** 1981 Mar;31(3):1193–202

[Local Immune response in rabbits following enteral immunization with live attenuated bacterial Enterobacteriaceae vaccines] Dentschev W, et al. **Arch Exp Veterinaermed** 1980;34(1):9–13 (Eng. Abstr.) **(Ger)**

[Live vaccines for the prevention of intestinal infections] Sergeev VV, et al. **Arch Exp Veterinaermed** 1980;34(1):87–9 (Eng. Abstr.) **(Ger)**

[Enteric dysentery vaccines and their effectiveness in a rabbit intestinal loop model. I. The residual virulence of attenuated vaccinal strains of Shigella administered into the intestinal loops] Polotskiĭ IuE, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Nov;(11):32–6 (Eng. Abstr.) **(Rus)**

[Certain features of the Boivin antigens of streptomycin-dependent Sh. flexneri 2a strains differing in immunogenicity] Shagam NL, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Jun;(6):111–2 **(Rus)**

ISOLATION & PURIFICATION

Pattern of Shigella flexneri serotypes and drug-resistance in Dacca. Mutanda LN, et al. **Indian J Med Res** 1981 Jan; 73:8–12

[Isolation and characteristics of polymyxin-resistant mutants of Shigella flexneri] Marakusha BI. **Antibiotiki** 1980 Oct; 25(10):753–8 (Eng. Abstr.) **(Rus)**

[Use of data on Shigella contamination and immunity indices for studying the activity of the epidemic process in dysentery] Zamotin BA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Sep;(9):26–30 (Eng. Abstr.) **(Rus)**

METABOLISM

Synthesis and utilization of siderophores by Shigella flexneri. Payne SM. **J Bacteriol** 1980 Sep;143(3):1420–4

[Effect of the products of the viral activities of Shigellae on the physicochemical properties of blood plasma proteins in experimental animals] Demikhovskaia AA, et al. **Mikrobiol Zh** 1981 Mar–Apr;43(2):241–6 **(Rus)**

PATHOGENICITY

Possible role of colonic content in the mucosal association of pathogenic shigella. Prizont R, et al. **Infect Immun** 1980 Sep;29(3):1197–9

[Shigella interaction with immune enterocytes] Polotskiĭ IuE, et al. **Arkh Patol** 1980;42(12):39–46 (Eng. Abstr.) **(Rus)**

PHYSIOLOGY

Resistance to lyophilization of Salmonella typhi, Escherichia coli and Shigella flexneri strains. Vasilescu T, et al. **Arch Roum Pathol Exp Microbiol** 1979 Apr–Jun; 38(2):201–6

RADIATION EFFECTS

Neutron irradiation of bacteria in the presence and absence of secondary charged-particle equilibrium. Lunec J, et al. **Radiat Res** 1980 Sep;83(3):607–20

SHIGELLA INFECTIONS see **DYSENTERY, BACILLARY**

SHIGELLA SONNEI

ANALYSIS

[Effect of dysentery endotoxin on the histamine and serotonin concentration in the mucosa of the small intestine] Shenkman BZ. **Vopr Med Khim** 1980 May–Jun;26(3):351–4 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

Colicin typing of Shigella sonnei by means of specific indicator strains. An enlarged scheme. Horák V. **Zentralbl Bakteriol [A]** 1980 Mar;246(2):191–6

CYTOLOGY

Outer membrane proteins of Shigella sonnei. I. Characterization of phase I, phase II and R-form Shigella sonnei. Adamus G, et al. **Arch Immunol Ther Exp (Warsz)** 1980;28(4):547–52

DRUG EFFECTS

Shigella sonnei resistant to cotrimoxazole [letter] Finlayson M. **Can Med Assoc J** 1980 Oct 18;123(8):718–21

[Drug resistance of Shigella strains isolated in Central Italy during 1969–1976 (author's transl)] Caroli G, et al. **Quad Sclavo Diagn** 1979 Jun;15 Suppl 1:685–90 (Eng. Abstr.) **(Ita)**

ENZYMOLOGY

A protein required for the initiation of DNA synthesis by RNA polymerase. Ito F, et al. **J Biochem (Tokyo)** 1980 Oct;88(4):1001–7

GENETICS

In vivo formation of a plasmid cointegrate expressing two incompatibility phenotypes. Taylor DE, et al. **Plasmid** 1981 May;5(3):233–44

IMMUNOLOGY

Studies on acquired systemic resistance in mice with oral immunization with Shigella sonnei. Kowalewska D, et al. **Arch Immunol Ther Exp (Warsz)** 1980;28(2):345–55

Adoptive transfer of immunity to dysentery bacilli with immune T lymphocytes from mice orally immunized with Shigella sonnei bacilli. Kowalewska D, et al. **Arch Immunol Ther Exp (Warsz)** 1980;28(4):593–601

Immune processes in the course of infection with dysentery bacilli. IV. Transfer of immunity by means of fractions isolated from sera of mice immunized with dysentery bacilli. Wieczorek Z, et al. **Arch Immunol Ther Exp (Warsz)** 1980;28(2):357–65

[Local Immune response in rabbits following enteral immunization with live attenuated bacterial Enterobacteriaceae vaccines] Dentschev W, et al. **Arch Exp Veterinaermed** 1980;34(1):9–13 (Eng. Abstr.) **(Ger)**

[Testing of bacterial mutants as potential vaccine strains] Koch H. **Arch Exp Veterinaermed** 1980;34(1):43–50 (Eng. Abstr.) **(Ger)**

[Live vaccines for the prevention of intestinal infections] Sergeev VV, et al. **Arch Exp Veterinaermed** 1980;34(1):87–9 (Eng. Abstr.) **(Ger)**

[Experimental model of high-dosage immunological tolerance to Shigella sonnei lipopolysaccharide] Borisov VA, et al. **Mikrobiol Zh** 1980 Nov–Dec;42(6):723–6 **(Rus)**

[Antigenic and tolerogenic properties of Shigella sonnei lipopolysaccharide] Borisov VA, et al. **Mikrobiol Zh** 1981 Jan–Feb;43(1):74–7 (Eng. Abstr.) **(Rus)**

[Citrate method of extracting antigens from Shigella sonnei. I. Comparison with other methods] Kamzolkina NB, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Feb;(2):72–7 (Eng. Abstr.) **(Rus)**

[Enteric dysentery vaccines and their effectiveness in a rabbit intestinal loop model. I. The residual virulence of attenuated vaccinal strains of Shigella administered into the intestinal loops] Polotskiĭ IuE, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Nov;(11):32–6 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

[Finding of S. sonnei in the peritoneal exudate] Stefanov S, et al. **Khirurgiia (Sofiia)** 1980;33(3):253–4 **(Bul)**

[Characteristics of Shigella sonnei isolated from different regions of the USSR from 1974 to 1979] Priamukhina NS, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 May; (5):33–9 (Eng. Abstr.) **(Rus)**

[Use of data on Shigella contamination and immunity indices for studying the activity of the epidemic process in dysentery] Zamotin BA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Sep;(9):26–30 (Eng. Abstr.) **(Rus)**

METABOLISM

Isolation of adenosine 5'-diphosphate-D-glycero-D-mannoheptose. An intermediate in lipopolysaccharide biosynthesis of Shigella sonnei. Kontrohr T, et al. **J Biol Chem** 1981 Aug 10; 256(15):7715–8

[Effect of the products of the viral activities of Shigellae on the physicochemical properties of blood plasma proteins in experimental animals] Demikhovskaia AA, et al. **Mikrobiol Zh** 1981 Mar–Apr;43(2):241–6 **(Rus)**

PATHOGENICITY

Outer membrane proteins of Shigella sonnei. II. Comparative studies on virulent and avirulent strains of phase I. Adamus G, et al. **Arch Immunol Ther Exp (Warsz)** 1980;28(4):553–8

[Shigella interaction with immune enterocytes] Polotskiĭ IuE, et al. **Arkh Patol** 1980;42(12):39–46 (Eng. Abstr.) **(Rus)**

[Immune response inhibition in mice using vaccines from virulent shigella] Borisov VA, et al. **Mikrobiol Zh** 1981 May–Jun;43(3):359–63 (Eng. Abstr.) **(Rus)**

SHIKIMIC ACID

ANALYSIS

Automated test systems for the determination of deoxy sugars and 3-deoxy-D-arabinoheptulosonate-7-phosphate synthase. Rothe GM, et al. **Anal Biochem** 1980 Jul 15; 106(1):213–22

SHINGLES see **HERPES ZOSTER**

SHIPPING FEVER see under **PASTEURELLA INFECTIONS**

SHIPS

Norwalk virus gastroenteritis aboard a cruise ship: an outbreak on five consecutive cruises. Gunn RA, et al. **Am J Epidemiol** 1980 Dec;112(6):820–7

The Hamadryad Hospital Ship for Seamen, 1866–1905. Mayberry JF. **Br Med J** 1980 Dec 20–27;281(6256):1690–2

The Fastnet Race 1979. O'Donnell B. **Br Med J** 1980 Dec 20–27;281(6256):1665–7

Occupational training: a new scientific approach. Petersen I, et al. **Bull Inst Marit Trop Med Gdynia** 1980;31(1–2):21–9

Acoustic and vibrational media aboard ship type B-516 and the state of hearing in the crew. Szczepanski C, et al. **Bull Inst Marit Trop Med Gdynia** 1980;31(3–4):165–75

Struck by lightning—the effects upon the men and the ships of HM Navy. Cannell H. **J R Nav Med Serv** 1980 Summer; 66(2):152–6

[Rescue of shipwreck victims] Koch P. **Fortschr Med** 1981 May 21;99(19):705–6 **(Ger)**

[Noise burden on board ships] Schmidt EG. **Zentralbl Arbeitsmed Arbeitsschutz Prophyl Ergonomie** 1980;30(6):213–7 (Eng. Abstr.) **(Ger)**

[Results of hygienic analyses carried out in galleys, pantries and stock-rooms aboard sea-going vessels (author's transl)] Goethe H, et al. **Zentralbl Bakteriol [B]** 1980; 171(2–3):177–83 (Eng. Abstr.) **(Ger)**

[Electronystagmographic investigations of a selected group of water transport workers exposed to vibration and noise (author's transl)] Pośpiech L. **Otolaryngol Pol** 1980; 34(2–3):187–95 (Eng. Abstr.) **(Pol)**

[Effect of vibration and noise on the organ of equilibrium according to electronystagmographic studies of selected group of water transport workers. Dissertation for the degree of Doctor of Medical Sciences, Wrocław, June 20, 1979] Pośpiech L. **Otolaryngol Pol** 1980;34(2–3):311–2 **(Pol)**

[Reaction of the human vestibular apparatus to periodic effects of the ship-rocking type] Gusev VM, et al. **Kosm Biol Aviakosm Med** 1981 Jan–Feb;15(1):63–6 (Eng. Abstr.) **(Rus)**

[Vibration sensitivity of workers in the basic occupations in ship building] Iatsenko KS, et al. **Sov Med** 1981;(5):78–80 **(Rus)**

[Psychoprophylactic work among a ship's crew] Kovalev DKh. **Voen Med Zh** 1980 Nov;(11):48–50 **(Rus)**

SHIVERING

Cooling responses in shivering and non-shivering dogs during induced hypothermia. Auld CD, et al. **Clin Sci** 1980 Jun;58(6):501–6

Shivering as the main presenting symptom of phenothiazine-induced extraphyramidal side effects [letter] Freed ED. **Med J Aust** 1980 Sep 20;2(6):342–3

Contribution of skeletal muscle to the regulatory non-shivering thermogenesis in small mammals. Dubois-Ferrière R, et al. **Pfluegers Arch** 1981 Jun; 390(3):224–9

Effect of changes in baroreceptor input on the intensity of shivering in the anaesthetised cat. Little RA, et al. **Pfluegers Arch** 1980 Apr;384(3):261–5

Suppression of wet-dog shakes by tail and scruff-pinch. Ornstein K. **Physiol Behav** 1981 Jul;27(1):13–7

[Participation of the vestibular apparatus in regulating shivering] Kuz'mina GI, et al. **Biull Eksp Biol Med** 1981 Apr;91(4):396–8 (Eng. Abstr.) **(Rus)**

[Intercostal muscle motor unit activity during shivering] Burachevskaia LE. **Fiziol Zh SSSR** 1981 Feb;67(2):306–12 (Eng. Abstr.) **(Rus)**

[Characteristics of motor neuron pool function in cold tremor] Lupandin IuV. **Fiziol Zh SSSR** 1980 Dec; 66(12):1772–7 **(Rus)**

DRUG EFFECTS

Effects of blood pressure manipulations on shivering thermogenesis in the pigeon. Hohtola E, et al. **Acta Physiol Scand** 1980 Nov;110(3):277–83

Calcium salts for the treatment of chills [letter] Caranasos GJ. **Arch Intern Med** 1980 Dec;140(12):1675

RX 336-M, a new chemical tool in the analysis of the quasi-morphine withdrawal syndrome. Cowan A. **Fed Proc** 1981 Apr;40(5):1497–501

Pharmacological aspects of shaking behavior produced by TRH, AG-3-5, and morphine withdrawal. Wei ET. **Fed Proc** 1981 Apr;40(5):1491–6

[The use of doxapram chlorohydrate (t-doxapril) as an anti-shivering drug] Pagani I, et al. **Minerva Anestesiol** 1980 Jun;46(6):653–8 (Eng. Abstr.) **(Ita)**

SHOCK

Postpartum hemorrhage and shock. Watson P.
Clin Obstet Gynecol 1980 Dec;23(4):985–1001 (98 ref.)
Acute circulatory failure in children. Crone RK.
Pediatr Clin North Am 1980 Aug;27(3):525–38 (30 ref.)
Disturbances in gastric motility during hypovolaemic shock. Kalima TV, et al. **Scand J Gastroenterol [Suppl]** 1981; 67:107–10

BLOOD

Delayed appearance of a circulating myocardial depressant factor in burn patients. De Santis D, et al.
Ann Emerg Med 1981 Jan;10(1):22–4
Experimental aortic occlusion: A model for the study of regional shock with specific reference to blood lactate. Puri VK, et al. **Circ Shock** 1980;7(4):447–56
Disturbances in the glucose metabolism in intestinal ischemia shock. van der Meer C, et al. **Circ Shock** 1981;8(3):375–92
Intrahematic crystallization of hemoglobin related to blood preservation with acid citrate dextrose and shock. Poraicu D, et al. **Resuscitation** 1980 Jun;8(2):101–14
[Reduced plasma fibronectin in patients with sepsis and shock (author's transl)] Pott G, et al. **Dtsch Med Wochenschr** 1981 Apr 24;106(17):532–4 (Eng. Abstr.) **(Ger)**
[Sodium hemostasis in hypovolemic shock in the newborn] Palacios Treviño JL, et al. **Bol Med Hosp Infant Mex** 1980 Sep–Oct;37(5):971–7 (Eng. Abstr.) **(Spa)**

CHEMICALLY INDUCED

Studies on the influence of heparin on trypsin-induced shock in dog. Balldin G, et al.
Hoppe Seylers Z Physiol Chem 1981 Mar;362(3):357–61
[Side effects from the use of formaldehyde solutions during the surgical removal of hydatid cysts (author's transl)] Galland MC, et al. **Therapie** 1980 May–Jun;35(3):443–6 (Eng. Abstr.) **(Fre)**
[Shock and local anesthesia (author's transl)] Leynadier F, et al. **Therapie** 1980 May–Jun;35(3):347–52 (Eng. Abstr.) **(Fre)**
[A case of shock due to hypersensitivity to dextran] D'Arcangelo GV, et al. **Minerva Anestesiol** 1980 Oct; 46(10):1105–8 (Eng. Abstr.) **(Ita)**
[Liver function disorders in exotoxic shock and their treatment] Luzhnikov EA, et al. **Ter Arkh** 1981;53(4):86–91 (Eng. Abstr.) **(Rus)**

CLASSIFICATION

[Concepts, definition, classification and diagnostic norm of shock] Kondo Y. **Nippon Rinsho** 1980;38(4):1800–3 **(Jpn)**

COMPLICATIONS

Effect of tourniquet-shock on the circulation of rats bearing Guerin carcinoma. Takács L, et al.
Acta Physiol Acad Sci Hung 1980;55(2):1–95
[Acute hypoglycemia in episodes of circulatory insufficiency with elevated central venous pressure (letter)] Jardin F, et al. **Nouv Presse Med** 1980 Nov 15;9(43):3271 **(Fre)**
[Fat embolism as a complication in shock. Clinical and therapeutic aspects (author's transl)] Harke H, et al.
Anaesthesist 1981 Apr;30(4):172–8 (Eng. Abstr.) **(Ger)**
[Blood coagulation disorders in shock] Giron GP.
Minerva Anestesiol 1980 Sep;46(9):1057–68 (16 ref.) (Eng. Abstr.) **(Ita)**
[Etiology of DIC in shock and its prevention] Maki M.
Nippon Rinsho 1980;38(4):1925–9 **(Jpn)**
[Effects of shock on the splanchnic (intestinal and hepatic) areas] Correia JP, et al. **Acta Med Port** 1979 Mar–Apr; 1(2):215–24 (Eng. Abstr.) **(Por)**

DIAGNOSIS

Vagal pseudohemorrhage after percutaneous biopsy. Bigongiari LR. **Invest Radiol** 1980 Jul–Aug;15(4):350–2
Vagal hypotension after percutaneous biopsy: possible confusion with hypovolemic shock. Bigongiari LR, et al.
Urol Radiol 1979–1980;1(4):217–20 **(eng)**
[Differential diagnostic aspects and therapy in various forms of shcok--conclusion] Landauer B, et al. **Fortschr Med** 1980 Oct 2;98(37):1409–12 **(Ger)**
[Differential diagnostic aspects and therapy of various shock forms] Landauer B, et al. **Fortschr Med** 1980 Sep 25; 98(36):1369–73 **(Ger)**
[Lysosomal enzymes in shock. Theoretical and experimental foundations, their significance in clinical diagnosis and therapy II.] Horpácsy G, et al. **Med Welt** 1980 Dec 19; 31(51–52):1859–61 (112 ref.) **(Ger)**
[Clinical indices for reversible and irreversible shock and their thresholds] Miyazaki M. **Nippon Rinsho** 1980; 38(4):1843–51 (40 ref.) **(Jpn)**

DRUG THERAPY

Amelioration of splanchnic artery occlusion (SAO) shock by cysteine. Galvin MJ, et al. **Adv Shock Res** 1978;1:261–70
Complete neurological recovery after 13 minutes of hypovolemic hypotension. Rose DM, et al.
Crit Care Med 1981 Feb;9(2):101–3
Beneficial action of naloxone in splanchnic artery occlusion shock. Curtis MT, et al. **Experientia** 1981 Apr 15; 37(4):403–4
Effects of hypertonic mannitol on oxygen utilization in canine hind limbs following shock. Shah DM, et al.
J Surg Res 1981 Jun;30(6):593–601
Treatment of refractory hypovolaemic shock by 7.5% sodium chloride injections. de Felippe J Jr, et al. **Lancet** 1980 Nov 8;2(8202):1002–4
Mechanism of naloxone therapy in the treatment of shock: a hypothesis [letter] Dirksen R, et al. **Lancet** 1981 Mar 14;1(8220 Pt 1):607–8
Naloxone treatment in shock [letter] Holaday JW, et al.
Lancet 1981 Jul 25;2(8239):201
Naloxone in shock [letter] Lenz K, et al. **Lancet** 1981 Apr 11;1(8224):834
Treatment of severe shock with phenoxybenzamine. Hardaway RM 3d. **Surg Gynecol Obstet** 1980 Dec; 151(6):725–34
Activity of antithrombin III and effect of heparin on coagulation in shock. Blauhut B, et al. **Thromb Res** 1980 Sep 15;19(6):775–82
[Sodium nitroprusside in centralized circulatory shock] Schulz V, et al. **Khirurgiia (Sofiia)** 1980;33(6):527–33 (25 ref.) **(Bul)**
[Adrenocortin and chlorpromazine, etc. in treatment of shock following pneumonia (author's transl)] Sun JK.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1979;2(4):213–5 **(Chi)**
[The use of dopamine in the treatment of hypovolemic shock. Experimental study] Kroupa J, et al. **Rozhl Chir** 1980 Aug; 59(8):531–41 (Eng. Abstr.) **(Cze)**
[Dopamine and dobutamine as treatment of circulatory shock initially non-cardiogenic: a clinical study (author's transl)] Constantin B, et al. **Therapie** 1980 Sep–Oct;35(5):619–26 (Eng. Abstr.) **(Fre)**
[Corticosteroids and shock states] Novelli GP.
Minerva Anestesiol 1979 Apr;45(4):239–54 (99 ref.) (Eng. Abstr.) **(Ita)**
[Progress of drug therapy for circulatory collapse in shock] Miyazaki M. **Nippon Rinsho** 1980;38(4):1879–88 **(Jpn)**
[Metabolic approach in the management of shock: GIK therapy and DBcAMP] Yoshitake J. **Nippon Rinsho** 1980; 38(4):1914–24 **(Jpn)**
[Current review. Massive doses of corticosteroids in hypovolemic shock] Haglund U, et al. **Lakartidningen** 1981 Jan 21;78(4):226–9 (Eng. Abstr.) **(Swe)**

ENZYMOLOGY

[Kallikrein and protease activity in the plasma of shock syndrome patients] Kühne H, et al. **Khirurgiia (Sofiia)** 1980; 33(5):385–9 **(Bul)**
[Lysosomal enzymes in shock. Theoretical and experimental bases, their significance in diagnosis and therapy] Horpácsy G, et al. **Med Welt** 1980 Dec 12;31(50):1820–4 **(Ger)**

ETIOLOGY

Graded intestinal vascular obstruction. II. Effects of antibiotic pretreatment in the rat. Haglind E, et al.
Circ Shock 1981;8(1):41–7
Declamping acidemia in major vascular surgery. Stokke DB, et al. **Dan Med Bull** 1980 Dec 6;27(6):274–7 (43 ref.)
Complete atrioventricular block, shock, and hyperkalemia induced by toxic adenoma of the thyroid gland. Grenadier E, et al. **Heart Lung** 1981 Jan–Feb;10(1):105–8
Hypovolemic shock at birth due to extensive fetomaternal hemorrhage. Shahar E, et al. **Isr J Med Sci** 1981 Jun; 17(6):441–4
[Significance of disseminated intravascular coagulation in the development of asphyctic shock and its diaplacental correction] Niedner W, et al. **Akush Ginekol (Sofiia)** 1981; 20(2):85–7 **(Bul)**
[Hypovolaemic shock due to increased capillary permeability (author's transl)] Maestracci P, et al. **Nouv Presse Med** 1981 Feb 7;10(5):329–30 (Eng. Abstr.) **(Fre)**
[Complications of acute pancreatitis (author's transl)] Höfler H, et al. **Acta Med Austriaca** 1980;7(1):24–7 (29 ref.) **(Ger)**
[Acute disease with fever with rapidly developing shock and ecchymoses] Richter K. **Fortschr Med** 1980 Aug 7; 98(29):1100–2 (Eng. Abstr.) **(Ger)**

HISTORY

History of vasodilation in treating shock and low flow states. Lillehei RC. **Adv Shock Res** 1978;1:1–17

METABOLISM

Evidence for the involvement of a GABA-mediated inhibition in the hypovolaemia-induced vasopressin release. Knepel W, et al. **Pfluegers Arch** 1980 Nov;388(2):177–83
Plasma and cerebrospinal fluid free amino acid concentration in post-traumatic cerebral oedema in patients with shock. Bondoli A, et al. **Resuscitation** 1981 Jun;9(2):119–24
Plasma and cerebrospinal fluid acid–base balance and gas content in shock. Bondoli A, et al. **Resuscitation** 1981 Jun; 9(2):113–7
Osmolality imbalance in shock. De Cosmo G, et al.
Resuscitation 1981 Mar;9(1):39–44
[Mechanisms that inhibit the formation and manifestation of the myocardial depressant factor in shock states] Lefer AM. **Khirurgiia (Sofiia)** 1980;33(5):377–85 (51 ref.) **(Bul)**
[A clinical study on disturbances of blood gases and acid–base equilibrium in cor pulmonale complicated by shock (author's transl)] Piao ZE.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1979;2(2):97–9 **(Chi)**
[Experimental studies on myocardial mitochondrial respiration in shock (author's transl)] Yokoyama H, et al.
Masui 1980 Jul;29(7):630–6 (Eng. Abstr.) **(Jpn)**
[Structural and metabolic changes of cells in shock] Tamakuma S, et al. **Nippon Rinsho** 1980;38(4):1831–5 **(Jpn)**

MORTALITY

Prediction of survival or death of patients in a state of severe shock. Hardaway RM. **Surg Gynecol Obstet** 1981 Feb; 152(2):200–6

PATHOLOGY

Ultrastructural study on kidney cell injury following various types of shock in 26 immediate autopsy patients. Sato T, et al. **Adv Shock Res** 1978;1:55–69
Gastrointestinal symptoms and shock in a patient with chronic renal failure [clinical conference] **Am J Med** 1980 Oct;69(4):595–602
The action of the basic trypsin inhibitor, Trasylol, on shock resulting from occlusion of the superior mesenteric artery: experimental study. Dadoukis I, et al. **J Int Med Res** 1981; 9(1):31–9
Histometric and fine-structural analysis of pig glomeruli after experimental protracted shock. Drommer W, et al.
Pathol Res Pract 1980;169(3–4):341–52
[Hypovolemic shock lung and the post extracorporeal-circulation-lung: ultrastructural comparison] Grillone G, et al. **Bronchopneumologie** 1980 Mar–Apr;30(2):130–6 **(Fre)**
[Acute post-traumatic lung failure – morphological evaluation (author's transl)] Schlag G, et al.
Anaesth Intensivther Notfallmed 1980 Aug;15(4):315–39 (Eng. Abstr.) **(Ger)**
[Pathology and pathophysiology of circulatory shock with respect to shock lung (author's transl)] Riede UN, et al.
Unfallchirurgie 1981;7(2):97–104 (Eng. Abstr.) **(Ger)**
[Liver alterations in newborn rabbits after maternal thrombin shock (author's transl)] Lüftner J, et al.
Zentralbl Allg Pathol 1981;125(2):149–60 (Eng. Abstr.) **(Ger)**
[Ultrastructure of liver cells during experimental histamine shock (author's transl)] Nikulin A, et al.
Zentralbl Allg Pathol 1980;124(1–2):99–107 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Patchy, intermittent ischemia in renal cortex during tourniquet shock in dog. Tyssebotn I, et al.
Acta Physiol Scand 1980 Jul;109(3):253–60
Protection against superior mesenteric artery occlusion shock by soluble and nonsoluble reticuloendothelial stimulants. Mauer H, et al. **Adv Shock Res** 1978;1:181–9
Pulmonary vascular smooth muscle function in porcine splanchnic arterial occlusion shock. Greenberg S, et al.
Am J Physiol 1981 Jul;241(1):H34–44
Coronary hemodynamics and oxygen utilization after hematocrit variations in hemorrhage. Jan KM, et al.
Am J Physiol 1980 Sep;239(3):H326–32
Effect of pneumatic trousers on intracranial pressure in hypovolemic dogs with an intracranial mass. Dannewitz SR, et al. **Ann Emerg Med** 1981 Apr;10(4):176–81
Alteration of platelet reactivity following a shock-inducing procedure in pigs. Longenecker GL, et al. **Circ Shock** 1980; 7(3):309–15
Effect of acute compression, hypoxia, hypothermia and hypovolemia on the evoked potentials of the spinal cord. Uematsu S, et al. **Electromyogr Clin Neurophysiol** 1981 Feb–Mar;21(2–3):229–52
Evidence that endogenous vasopressin plays a protective role in circulatory shock. Role for reticuloendothelial system using Brattleboro rats. Altura BM. **Experientia** 1980 Sep 15;36(9):1080–2
Artificial ventilation with PEEP; the influence on cardiac output in the simulated normo-, hypo- and hypervolemic state. De Lange JJ, et al. **Neth J Surg** 1981 Mar;33(1):14–8
The use of a model for hemodynamic balance to describe burn shock. Christopher KL. **Nurs Clin North Am** 1980 Sep;15(3):617–27
Circulatory shock: a review. Riede U, et al. **Pathology** 1981 Apr;13(2):299–311 (14 ref.)
Measurement of hepatic venous blood flow in shock by thermal dilution. Bryant GH, et al.
Proc West Pharmacol Soc 1981;24:23–5
Myocardial subcellular function in shock. Hess ML, et al.
Tex Rep Biol Med 1979;39:193–207
Positive feedback actions of a myocardial depressant factor in circulatory shock. Lefer AM. **Tex Rep Biol Med** 1979; 39:209–16
[Value of delta PO2 (difference between PaO2-tcPO2) as a circulation saving measure in hypovolemic shock] Cloup M, et al. **Agressologie** 1980;21(B):63–9 (Eng. Abstr.) **(Fre)**
[Pathophysiology of shock. Literature review] Fischer H.
Aktuel Traumatol 1980 Feb;10(1):41–4 **(Ger)**
[Comparative study on haemodynamics and energy metabolism in shock (author's transl)] Haider W.
Anaesthesist 1981 May;30(5):215–22 (Eng. Abstr.) **(Ger)**
[Functional morphology of the terminal vascular bed and

transit space: problems caused by shock] Heine H, et al. **Med Welt** 1980 Apr 11;31(15):558–65 **(Ger)**

[Pathophysiology of hemodynamic and metabolic disturbances following circulatory shock (author's transl)] Matthias FR, et al. **Unfallchirurgie** 1981;7(2):105–11 (Eng. Abstr.) **(Ger)**

[Pathophysiology and clinic of the so called shock-kidney (author's transl)] Schütterle G. **Unfallchirurgie** 1981; 7(2):112–5 (Eng. Abstr.) **(Ger)**

[Ultrasonic findings in reduced peripheral blood flow (shock) (author's transl)] Wagner A. **Z Kinderchir Grenzgeb** 1980 Jun;30(2):172–5 (Eng. Abstr.) **(Ger)**

[Pathophysiology of asphyxiae shock (author's transl)] Niedner W. **Zentralbl Gynaekol** 1980;102(18):1017–24 (31 ref.) (Eng. Abstr.) **(Ger)**

[Endocrine repercussions of shock] Gasparetto A. **Minerva Anestesiol** 1980 Sep;46(9):1047–56 (34 ref.) (Eng. Abstr.) **(Ita)**

[The role of the myocardial depressant factor in the pathogenesis of the shock] Pagni E. **Minerva Anestesiol** 1980 Sep;46(9):1001–32 (195 ref.) (Eng. Abstr.) **(Ita)**

[Shock and microcirculation, including the question of alpha, beta receptors in microcirculation] Hirota A, et al. **Nippon Rinsho** 1980;38(4):1825–30 **(Jpn)**

[Kidney function in shock] Honda N. **Nippon Rinsho** 1980; 38(4):1852–6 **(Jpn)**

[Hypovolemia and hypovolemic shock] Maeta H, et al. **Nippon Rinsho** 1980;38(4):1813–9 **(Jpn)**

[The significance of the degree of circulatory disorders in hematologic findings and organ injuries in neonates and infants] Stambuk R. **Bilt Hematol Transfuz** 1979;7(1 Suppl):47–63 (Eng. Abstr.) **(Scr)**

PREVENTION & CONTROL

Medical anti-shock trousers. Johnson JC. **J Indiana State Med Assoc** 1981 Mar;74(3):148–50

Prevention of multiple systems failure. Baue AE, et al. **Surg Clin North Am** 1980 Oct;60(5):1167–78

THERAPY

Expansion of the intravascular space in severe shock. Hardaway RM 3d. **Am J Surg** 1981 Aug;142(2):258–61

Effects of pneumatic antishock trousers on canine intracranial pressure. Cram AE, et al. **Ann Emerg Med** 1981 Jan; 10(1):28–31

Proximal saphenous vein cutdown. Dronen SC, et al. **Ann Emerg Med** 1981 Jun;10(6):328–30

Aspects of the management of shock. Shine KI, et al. **Ann Intern Med** 1980 Nov;93(5):723–34

Pulmonary response of massive steroids in seriously injured patients. Lucas CE, et al. **Ann Surg** 1981 Sep;194(3):256–61

Postresuscitative hypertension: a reappraisal. Gerrick SJ, et al. **Arch Surg** 1980 Dec;115(12):1486–90

Haemorrhage and shock. Baird HM. **Br Med J [Clin Res]** 1981 Jan 17;282(6259):197–8

Flow rate variance of commonly used IV infusion techniques. Dula DJ, et al. **J Trauma** 1981 Jun;21(6):480–2

Treatment of refractory hypovolaemic shock [letter] Brooks DK. **Lancet** 1980 Dec 6;2(8206):1256

Plasma free amino acids in trauma: clinical and therapeutic implications. Proietti R, et al. **Resuscitation** 1981 Jun; 9(2):107–11

[Treatment of hypovolemic shock mainly using electrolyte solutions (author's transl)] **Chung Hua Wai Ko Tsa Chih** 1979;17(1):26–9 **(Chi)**

[Treatment of hypovolemic shock with external compression of the lower body using a pressure suit] Bruining HA, et al. **Ned Tijdschr Geneeskd** 1980 Aug 16;124(33):1389–92 **(Dut)**

[Current aspects of shock treatment. Literature review] Fischer H. **Aktuel Traumatol** 1980 Feb;10(1):51–5 **(Ger)**

[Indications and contraindications for plasma substitutes in operative medicine] Simon J, et al. **Anaesth Intensivther Notfallmed** 1981 Apr;16(2):83–8 (49 ref.) **(Ger)**

[Therapy of shock] Trazzi R, et al. **Minerva Anestesiol** 1980 Sep;46(9):1069–84 (10 ref.) (Eng. Abstr.) **(Ita)**

[Fluid infusions during shock] Fujita T. **Nippon Rinsho** 1980; 38(4):1930–6 **(Jpn)**

[Management of shock: its history and background] Yamamura H. **Nippon Rinsho** 1980;38(4):1796–9 **(Jpn)**

[Searching for information on the diagnosis and therapy of shock in the patent literature] Ioffe NE. **Vestn Khir** 1980 May;124(5):153–6 **(Rus)**

[Results of intensive treatment of hypovolemic shock] López M, et al. **Rev Esp Anestesiol Reanim** 1980 Jan;27(1):63–72 (Eng. Abstr.) **(Spa)**

VETERINARY

Altered metabolism, acute shock, and therapeutic response in a calf with severe coronavirus-induced diarrhea. Phillips RW, et al. **Am J Vet Res** 1980 Jul;41(7):1039–44

Are corticosteroids useful in shock therapy? Bowen JM. **J Am Vet Med Assoc** 1980 Sep 1;177(5):453–5

The effects of thiouracil and thyroxine on resistance to heat shock. Fox TW. **Poult Sci** 1980 Nov;59(11):2391–6

Cardiovascular emergencies. Drugs and resuscitative principles. Adams HR. **Vet Clin North Am [Small Anim Pract]** 1981 Feb; 11(1):77–102

Use of a gelatin solution in hypovolaemia and toxaemia in small animals. Wells BT. **Vet Rec** 1980 Jul 26;107(4):85–7

SHOCK, ANAPHYLACTIC see **ANAPHYLAXIS**

SHOCK, CARDIOGENIC

BLOOD

Continuous CPR monitoring with transcutaneous oxygen and carbon dioxide sensors. Tremper KK, et al. **Crit Care Med** 1981 May;9(5):417–8

CHEMICALLY INDUCED

[Cardiogenic shock during acute poisoning with colchicine (letter)] Bismuth C, et al. **Nouv Presse Med** 1981 Mar 21; 10(13):1073 **(Fre)**

[Disopyramide poisoning] Silberschmidt U. **Schweiz Med Wochenschr** 1981 May 9;111(19):681–3 (20 ref.) (Eng. Abstr.) **(Ger)**

DRUG THERAPY

Hemodynamic monitoring and vasodilator therapy in acute left ventricular failure. Preliminary report on a new vasodilator, tolmesoxide. Mullie A, et al. **Acta Anaesthesiol Belg** 1980;31 Suppl:147–54

Comparison of haemodynamic responses to dopamine and salbutamol in severe cardiogenic shock complicating acute myocardial infarction. Timmis AD, et al. **Br Med J [Clin Res]** 1981 Jan 3;282(6257):7–9

Protective effects of epinephrine tolerance in experimental cardiogenic shock. Beckman CB, et al. **Circ Shock** 1981; 8(2):137–49

Naloxone in shock [letter] **Lancet** 1980 Dec 20–27; 2(8208–8209):1360

Use of dopamine and prazosin combined in the treatment of cardiogenic shock. Oliver LE, et al. **Med J Aust** 1980 Jul 26;2 Suppl 1:42–5

[Effectiveness of various dopamine doses in acute myocardial ischemia complicated by cardiogenic shock (an experimental study)] Kipshidze NN, et al. **Kardiologiia** 1981 Jun;21(6):80–4 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Tricuspid valve replacement for cardiogenic shock after acute right ventricular infarction. Korr KS, et al. **JAMA** 1980 Oct 24–31;244(17):1958–60

[The syndrome of postirradiation heart injury (author's transl)] Dubiel JP, et al. **Przegl Lek** 1980;37(11):755–9 (35 ref.) **(Pol)**

[Late cardiogenic shock] Rybachuk IA, et al. **Vrach Delo** 1980 Oct;(10):13–5 **(Rus)**

OCCURRENCE

[Incidence and prognostic significance complications of myocardial infarct] Chlebus H, et al. **Kardiol Pol** 1980; 23(11):935–44 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Right ventricular infarction [clinical conference] Becker LC, et al. **Johns Hopkins Med J** 1980 Sep;147(3):117–21

PHYSIOPATHOLOGY

Cardiogenic shock. Rackley CE, et al. **Cardiovasc Clin** 1981; 11(3):15–24

Respiratory muscle fatigue during cardiogenic shock. Aubier M, et al. **J Appl Physiol** 1981 Aug;51(2):499–508

[Cardiogenic shock] Kimata S, et al. **Nippon Rinsho** 1980; 38(4):1937–45 (37 ref.) **(Jpn)**

[Pump failure and cardiogenic shock] Nishimura N. **Nippon Rinsho** 1980;38(4):1804–12 **(Jpn)**

[Cardiogenic shock] Aloan LA. **Arq Bras Cardiol** 1980 Aug; 35(2):155–69 (59 ref.) **(Por)**

[Circulatory shock] Shtern RD. **Arkh Patol** 1981;43(1):95–6 **(Rus)**

REHABILITATION

[Fate of patients who recovered from cardiogenic shock with the aid of counterpulsation with intra-aortic balloon pumping] Kuznetsova GA. **Grudn Khir** 1980 Nov-Dec; (6):36–9 **(Rus)**

SURGERY

[Prolonged veno-arterial bypass for cardiogenic shock following open heart surgery (author's transl)] Ino T, et al. **Kyobu Geka** 1980;33(12):899–904 (Eng. Abstr.) **(Jpn)**

THERAPY

Counterpulsation and dobutamine. Their use in treatment of cardiogenic shock due to right ventricular infarct. Iqbal MZ, et al. **Arch Intern Med** 1981 Feb;141(2):247–9

Temporary left ventricular assistance in acute myocardial infarction and cardiogenic shock: rationale and criteria for utilization. Pae WE Jr, et al. **Chest** 1981 Jun;79(6):692–5

Management of shock in acute myocardial infarction. Goldstein JA, et al. **Indian Heart J Teach Ser** 1980; (5):187–96

Treatment of acute left heart failure using dobutamine and intraaortic counterpulsation. Animal experiments and first clinical experiences. Reichart B, et al. **Intensive Care Med** 1981 Apr;7(3):133–8

Cardiac support using the intra-aortic balloon pump. Sharp JW. **J R Nav Med Serv** 1980 Summer;66(2):129–34

Prehospital care (CCU network) of acute myocardial infarction and treatment of cardiogenic shock by intra-aortic balloon pumping. Takano T, et al. **Jpn Circ J** 1981 May;45(5):623–35

A new method of para-corporeal left ventriculo-aortic bypass. Loisance D, et al. **Med Prog Technol** 1980;8(1):23–7

Mechanical circulatory assistance for postoperative cardiogenic shock: a three year experience. Pae WE Jr, et al. **Trans Am Soc Artif Intern Organs** 1980;26:256–61

[Massive meprobamate poisoning treated by high permeability membrane hemodialysis (letter)] Daumal M, et al. **Nouv Presse Med** 1979 Jan 6;8(1):43–4 **(Fre)**

[Therapy of cardiogenic shock] Lang K. **Dtsch Med Wochenschr** 1980 Aug 1;105(31):1075–7 **(Ger)**

[Clinical studies on the effects of intra-aortic balloon pumping in cardiogenic shock due to acute myocardial infarction (author's transl)] Ida T. **Nippon Kyobu Geka Gakkai Zasshi** 1981 Jan;29(1):8–25 (Eng. Abstr.) **(Jpn)**

[Cardiogenic shock: management and assisted circulation] Suzuki A, et al. **Nippon Rinsho** 1980;38(4):1889–900 **(Jpn)**

[Hemo- and lymphosorption in cardiogenic shock (an experimental study)] Berdichevskiĭ MS, et al. **Kardiologiia** 1980 Nov;20(11):94–8 (Eng. Abstr.) **(Rus)**

[Modern aspects of the pathogenetic therapy of cardiogenic shock] Golikov AP, et al. **Klin Med (Mosk)** 1980 Sep; 58(9):40–6 (Eng. Abstr.) **(Rus)**

[Shock secondary to right ventricular infarction (author's transl)] Coma Canella I, et al. **Med Clin (Barc)** 1980 Oct 10;75(6):258–60 (Eng. Abstr.) **(Spa)**

[Results of the intensive treatment of cardiogenic shock] López M, et al. **Rev Esp Anestesiol Reanim** 1980 Nov; 27(6):471–80 (Eng. Abstr.) **(Spa)**

SHOCK, ENDOTOXIC see **SHOCK, SEPTIC**

SHOCK, HEMORRHAGIC

BLOOD

In vivo evaluation of transcutaneous CO2 partial pressure monitoring. Beran AV, et al. **J Appl Physiol** 1981 Jun; 50(6):1220–3

Transcutaneous oxygen monitoring in shock and resuscitation. Rowe MI, et al. **J Pediatr Surg** 1979 Dec; 14(6):773–8

A humoral factor in the plasma of dogs with hemorrhagic hypotension causing histopathologic changes when infused into normals. Kerstein MD, et al. **J Trauma** 1981 Jan; 21(1):22–7

CEREBROSPINAL FLUID

Hypoxia, hyperammonemia, and cerebrospinal fluid metabolites. Adams JM, et al. **Adv Shock Res** 1978;1:209–20

COMPLICATIONS

Prevention of portal hypertension and small bowel hemorrhage in dogs treated with verapamil during hemorrhagic shock. Whalen GF, et al. **Circ Shock** 1980; 7(4):399–404

Pathogenesis of respiratory failure (ARDS) after hemorrhage and trauma: II. Cardiorespiratory patterns after development of ARDS. Czer LS, et al. **Crit Care Med** 1980 Sep;8(9):513–8

Pathogenesis of respiratory failure (ARDS) after hemorrhage and trauma: I. Cardiorespiratory patterns preceding the development of ARDS. Shoemaker WC, et al. **Crit Care Med** 1980 Sep;8(9):504–12

DIAGNOSIS

Spontaneous uterine rupture. Dainer MJ. **J Reprod Med** 1981 Jan;26(1):35–7

DRUG THERAPY

Effects of adrenergic neuron and ganglion blockers on hemodynamics and plasma catecholamine levels after corticosteroids during hemorrhagic shock in the dog. Haglund U, et al. **Acta Anaesthesiol Scand** 1980 Dec; 24(6):444–50

Glucagon treatment of hemorrhagic shock: improved survival and metabolic parameters in a murine shock model. Jain KM, et al. **Adv Shock Res** 1978;1:149–57

Effect of prostaglandin E1 and steroid combination in the treatment of hemorrhagic shock. Slotman GJ, et al. **Adv Shock Res** 1978;1:71–81

Protective actions of naloxone in hemorrhagic shock. Curtis MT, et al. **Am J Physiol** 1980 Sep;239(3):H416–21

Intravenous adenosine triphosphate (ATP) in hemorrhagic shock in rats. Schloerb PR, et al. **Am J Physiol** 1981 Jan; 240(1):R52–60

Hyperosmotic NaCl and severe hemorrhagic shock. Velasco IT, et al. **Am J Physiol** 1980 Nov;239(5):H664–73

Irreversible hemorrhagic shock: treatment and cardiac pathophysiology. Markov AK, et al. **Circ Shock** 1981; 8(1):9–19

The effect of methylprednisolone on the sodium and water content of the dog lung after hemorrhagic shock. Evangelou GN, et al. **Int Surg** 1981 Jan–Mar;66(1):85–7
Corticosteroid therapy in hemorrhagic and septic shock in puppies. Connors RH, et al. **J Pediatr Surg** 1980 Dec; 15(6):790–6
Hemodynamic effects of naloxone in hemorrhagic shock in pigs. Salerno TA, et al. **Surg Gynecol Obstet** 1981 Jun; 152(6):773–6
[Therapeutic effect of calcium chloride in myocardial hypoxia caused by acute massive hemorrhage] Sherman DM, et al. **Kardiologiia** 1980 Sep;20(9):88–91 (Eng. Abstr.) **(Rus)**
[Effect of 1,4–naphthoquinones on lipolysis in hemorrhagic shock] Levin GS, et al. **Vopr Med Khim** 1980 Sep–Oct; 26(5):616–20 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Shock–induced cytoplasmic NADH fluorescence changes in the living cat brain cortex: effect of dexamethasone. Dóra E, et al. **Acta Physiol Acad Sci Hung** 1980;56(2):219–33

ETIOLOGY

Postcoital posthysterectomy vaginal vault disruption with haemorrhagic shock. Hacker NF, et al. **Aust NZ J Obstet Gynaecol** 1980 Aug;20(3):182–4
[Emergencies in gynecology] Kessler G, et al. **ZFA (Stuttgart)** 1980 Oct 31;56(30):2034–6 **(Ger)**
[Value of endoscopic examination in upper digestive hemorrhage with shock states] Acalovschi I, et al. **Rev Chir [Chir]** 1980 Nov–Dec;29(6):463–6 (Eng. Abstr.) **(Rum)**
[Pathogenetic basis of shock reaction in ectopic (tubal) pregnancy] Glukhovets BI, et al. **Vestn Khir** 1980 Aug; 125(8):71–4 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Protection against hemorrhagic shock in the cat by human plasma containing endotoxin–specific antibodies. Gaffin SL, et al. **J Surg Res** 1981 Jul;31(1):18–21

METABOLISM

Juxtaglomerular cell activity during hemorrhage and ischemia as revealed by quinacrine histofluorescence. Alund M. **Acta Physiol Scand** 1980 Oct;110(2):113–21
The effect of mitochondrial dysfunction on glucose metabolism during shock. Rhodes RS. **Adv Shock Res** 1978; 1:105–16
Role of the kidney and lung in the handling of prostaglandin E in hemorrhagic shock. Selkurt EE. **Adv Shock Res** 1978; 1:159–78
Effects of 2–ethylamino–1,3,4–thiadiazole on hepatic adenosine nucleotides in experimental hemorrhagic shock. Abraham J, et al. **Circ Shock** 1980;7(4):373–86
Energy metabolism of vascular smooth muscle and circulating vasoactive substances in hemorrhagic shock in the dog. Turinsky J, et al. **Circ Shock** 1980;7(4):361–72
Roles of high blood glucose concentration during hemorrhagic shock in alloxan diabetic rats. Yamamoto M, et al. **Circ Shock** 1981;8(1):49–57
In vivo comparison of cerebral tissue PO2 and cytochrome aa3 reduction–oxidation state in cats during hemorrhagic shock. Kariman K, et al. **J Clin Invest** 1981 Jul;68(1):21–7
Glucose homeostasis in a guinea pig model of hemorrhagic shock. Rhodes RS. **J Surg Res** 1981 Jun;30(6):569–75
Increased growth–stimulating activity of thoracic lymph after hemorrhagic shock. Rohrbach R, et al. **Pathol Res Pract** 1980;170(4):347–56
Four stages of mitochondrial deterioration in hemorrhagic shock. Shimahara Y, et al. **Res Exp Med (Berl)** 1981; 179(1):23–33
Hemorrhagic shock and hepatic cell membrane permeability. Rush BF Jr, et al. **Surgery** 1981 Sep;90(3):489–92

MORTALITY

Prostaglandins E1 and E2 antagonize indomethacin–induced decrease in survival rate of haemorrhagically shocked rats. Perbeck L, et al. **Acta Chir Scand [Suppl]** 1980;Suppl 500:91–4

PATHOLOGY

Studies of the ischemic pancreas in shock. Jones RT, et al. **Adv Shock Res** 1978;1:197–207
[Effect of dexamethasone on the ultrastructure of the myocardium in experimental hemorrhagic shock] Sátori O, et al. **Morphol Igazsagugyi Orv Sz** 1980 Apr;20(2):94–7 (Eng. Abstr.) **(Hun)**
[The state of the gastric mucosa after hemorrhagic shock] Sawicz–Birkowska K. **Pol Tyg Lek** 1980 Nov 17; 35(46):1773–6 (Eng. Abstr.) **(Pol)**

PHYSIOPATHOLOGY

Naloxone reverses the pathophysiology of shock through an antagonism of endorphin systems. Holaday JW, et al. **Adv Biochem Psychopharmacol** 1981;28:421–34
Alterations in venous compliance in hemorrhagic shock. Abel FL, et al. **Adv Shock Res** 1978;1:19–27
Regional gastric blood flow in cynomolgus monkeys with hemorrhagic shock and resuscitation. Gurll NJ, et al. **Adv Shock Res** 1978;1:117–23
Influence of hyperglycemia on survival after hemorrhagic shock. Menguy R, et al. **Adv Shock Res** 1978;1:43–54
Prostaglandin modulation of adrenergic vascular control during hemorrhagic shock. Bond RF, et al. **Am J Physiol** 1981 Jul;241(1):H85–90
Effects of verapamil on heart and circulation in hemorrhagic shock in dogs. Hackel DB, et al. **Am J Physiol** 1981 Jul; 241(1):H12–7
Effect of hemorrhagic shock on hepatic transmembrane potentials and intracellular electrolytes, in vivo. Sayeed MM, et al. **Am J Physiol** 1981 Mar;240(3):R211–9
Effect of graded hemorrhage on renal cortical perfusion in dogs. Nelimarkka O, et al. **Am J Surg** 1981 Feb; 141(2):235–9
Prostacyclin (epoprostenol): its effect on canine splanchnic blood flow during hemorrhagic shock. Seelig RF, et al. **Arch Surg** 1981 Apr;116(4):428–30
Effects of previous repeated bleedings on the response of plasma epinephrine and norepinephrine levels of conscious dogs in hemorrhagic shock. Adamicza A, et al. **Circ Shock** 1980;7(3):251–63
Adrenergic responsiveness of isolated saphenous arterial segments during hypovolemic hypotension and shock. Bond RF, et al. **Circ Shock** 1981;8(3):323–33
Shock potentiating actions of angiotensin II infusion in cats. Trachte GJ, et al. **Circ Shock** 1980;7(3):343–51
Coagulation changes after albumin resuscitation. Cogbill TH, et al. **Crit Care Med** 1981 Jan;9(1):22–6
Effect of hypercarbia and shock on transcutaneous carbon dioxide at different electrode temperatures. Tremper KK, et al. **Crit Care Med** 1980 Nov;8(11):608–12
The relative importance of HCO3– and blood flow in the protection of rat gastric mucosa during shock. Starlinger M, et al. **Gastroenterology** 1981 Oct;81(4):732–5
Platelet sequestration in lung with hemorrhagic shock and reinfusion in dogs. Martin BA, et al. **J Appl Physiol** 1981 Jun;50(6):1306–12
Physiology and morphology of pulmonary microvascular injury with shock and reinfusion. Michel RP, et al. **J Appl Physiol** 1981 Jun;50(6):1227–35
Impaired mitochondrial function and gluconeogenesis in late shock. Rhodes RS. **J Surg Res** 1981 Apr;30(4):325–30
Comparison between lung fluid filtration rate and measured starling forces after hemorrhagic and endotoxic shock. Demling RH, et al. **J Trauma** 1980 Oct;20(10):856–60
Pancreatic blood flow in hemorrhagic shock. Bor NM, et al. **Pfluegers Arch** 1980 Aug;386(3):277–80
The influence of disseminated intravascular coagulation on renal function after experimental hemorrhagic shock. Schuster HP, et al. **Resuscitation** 1980 Mar;8(1):3–28
Thyrotropin–releasing hormone improves cardiovascular function in experimental endotoxic and hemorrhagic shock. Holaday JW, et al. **Science** 1981 Jul 10;213(4504):216–8
Opiate receptors and endorphins in the pathophysiology of hemorrhagic shock. Gurll NJ, et al. **Surgery** 1981 Mar; 89(3):364–9
The effect of ATP–MgCl2 infusion on hepatic cell permeability and metabolism after hemorrhagic shock. Machiedo GW, et al. **Surgery** 1981 Aug;90(2):328–35
Cardiac performance in hemorrhagic shock. Downing SE. **Tex Rep Biol Med** 1979;39:157–72
[Experimental research on hemorrhagic shock in the rabbit. Acid–base equilibrium and survival with 6–methylprednisolone and gelatin administration] Di Piazza D, et al. **Minerva Anestesiol** 1980 May;46(5):557–62 (Eng. Abstr.) **(Ita)**
[Release of thromboxane A2 during hemorrhagic shock (author's transl)] Sakio H, et al. **Masui** 1981 Jan;30(1):27–31 (Eng. Abstr.) **(Jpn)**
[Pathogenesis of disorders of the microcirculation and of the blood rheological properties in experimental hemorrhagic shock] Matvienko VP, et al. **Probl Gematol Pereliv Krovi** 1981 May;26(5):14–20 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Zymosan–induced resistance to endotoxin and hemorrhagic shock. Joyce LD, et al. **Adv Shock Res** 1978;1:125–47

SURGERY

[Report of a successful case of giant congenital bronchogenic cyst with shock due to massive bleeding in the cyst (author's transl)] Honda H, et al. **Kyobu Geka** 1980; 33(12):938–40 (Eng. Abstr.) **(Jpn)**

THERAPY

Myocardial performance in critically ill patients: response to whole blood transfusion as a prognostic measure. Czer LS, et al. **Crit Care Med** 1980 Dec;8(12):710–5
Prevention of pulmonary dysfunction secondary to hemorrhage to resuscitation with a hypertonic solution. Cone JB, et al. **Curr Surg** 1981 Mar–Apr;38(2):144–5
Colloid or crystalloid in the resuscitation of hemorrhagic shock: a controlled clinical trial. Moss GS, et al. **Surgery** 1981 Apr;89(4):434–8
[Clinical observations on 40 cases of epidemic hemorrhagic fever shock treated mainly with balanced salt solution (author's transl)] Dai KQ. **Chung Hua Nei Ko Tsa Chih** 1979;18(3):208–9 **(Chi)**
[Hemorrhagic shock] Shimazaki S. **Nippon Rinsho** 1980; 38(4):1946–54 **(Jpn)**
[Management of traumatic liver and splenic rupture associated with hemorrhagic shock] Cieślik R, et al. **Wiad Lek** 1981 Feb 15;34(4):273–5 (Eng. Abstr.) **(Pol)**
[Use of sodium oxybutyrate in hemorrhagic shock during resuscitation at the preclinical stage] Boiarinov GA, et al. **Anesteziol Reanimatol** 1980 Nov–Dec;(6):38–40 (Eng. Abstr.) **(Rus)**
[Effect of a fetal erythrocyte suspension on the course of hemorrhagic shock] Antonenko VT, et al. **Fiziol Zh** 1980 Sep–Oct;26(5):639–45 (Eng. Abstr.) **(Rus)**
[Use of sodium oxybutyrate in anesthesia in cases of massive blood loss] Beliakov VA, et al. **Vestn Khir** 1981 Jun; 126(6):128–30 **(Rus)**

SHOCK LUNG see **RESPIRATORY DISTRESS SYNDROME, ADULT**

SHOCK, SEPTIC

Endotoxemic shock. Hardaway RM 3d. **Dis Colon Rectum** 1980 Nov–Dec;23(8):597–604
Toxic–shock syndrome. Weston WL, et al. **J Am Acad Dermatol** 1981 Apr;4(4):478–80
Bacteraemic and endotoxic shock. Wardle EN. **J Clin Pathol** 1980 Sep;33(9):888

BLOOD

Changes of ACTH, STH, TSH, and prolactin levels in endotoxin shock in rats. Hadzhikostova H, et al. **Agressologie** 1979;20(4):203–6
Evidence for an early lipid soluble cardiodepressant factor in rat serum after a sublethal dose of endotoxin. Carli A, et al. **Circ Shock** 1981;8(3):301–12
The effect of leucine on plasma insulin following endotoxin shock in the rat. Goldfarb RD, et al. **Circ Shock** 1981; 8(3):343–9
Platelet count and other haematological measurements in septic shock. Lucie NP, et al. **J Clin Pathol** 1980 Sep; 33(9):890
Toxic shock syndrome and human platelets [letter] Siegel I, et al. **Lancet** 1981 Feb 28;1(8218):493
Effects of septic shock plasma on adrenocortical cell function. Keri G, et al. **Life Sci** 1981 Apr 27;28(17):1917–23
An increase in vasoactive intestinal peptide levels in canine endotoxin shock. Freund H, et al. **Surg Gynecol Obstet** 1981 May;152(5):604–6
Plasminogen concentrations and functional activities and concentrations of plasmin inhibitors in plasma samples from normal subjects and patients with septic shock. Gallimore MJ, et al. **Thromb Res** 1980 Jun 1;18(5):601–8
[Changes in the electrophoretic mobility of rabbit erythrocytes during an endotoxic shock] Petrova R, et al. **Z Med Lab Diagn** 1980;21(5):282–5 **(Ger)**
[Effects of reduced glutathione in endotoxin shock—change of blood chemical mediators (author's transl)] Ebata T, et al. **Masui** 1980 Jul;29(7):637–40 (Eng. Abstr.) **(Jpn)**
[Effect of endotoxin shock on endocrine function and carbohydrate metabolism (author's transl)] Matsui M. **Masui** 1981 Jan;30(1):39–46 (Eng. Abstr.) **(Jpn)**
[Electron microscopic study of the blood in suppurative wounds complicated by sepsis and bacterial shock] Vtiurin BV, et al. **Arkh Patol** 1980;42(12):32–9 (Eng. Abstr.) **(Rus)**

CHEMICALLY INDUCED

Methyldopa reaction simulating septic shock [letter] Perron–DuMortier J, et al. **Arch Intern Med** 1981 Aug; 141(9):1239–40
Distribution of 203Pb during lead–potentiated endotoxic shock. Cook JA, et al. **Exp Mol Pathol** 1981 Jun; 34(3):253–63
Methyl cellosolve–induced sensitization of mice to bacterial endotoxin. Gartner SL. **Experientia** 1981 Feb 15; 37(2):174–5

COMPLICATIONS

Microembolism and pulmonary haemodynamics in the early phase of experimental septic shock. Myrvold HE. **Acta Chir Scand [Suppl]** 1980;Suppl 499:21–30
New Concepts in the pathogenesis of acute tubular necrosis associated with sepsis. Richman AV, et al. **Ann Clin Lab Sci** 1981 May–Jun;11(3):211–9
Hypotension in the toxic shock syndrome [letter] **Ann Intern Med** 1981 Jul;95(1):124–5
Escherichia coli endotoxic shock complicating Bartholin's gland abscess. Carson GD, et al. **Can Med Assoc J** 1980 Jun 21;122(12):1397–8
Toxic shock syndrome [letter] Wedel MK, et al. **Chest** 1981 May;79(5):616
Toxic–shock syndrome. Taylor MR, et al. **J Miss State Med Assoc** 1981 Aug;22(8):195–8
Pressor effect of naloxone in septic shock. Peters WP, et al. **Lancet** 1981 Mar 7;1(8219):529–32
Toxic shock syndrome, a newly recognized disease entity. Report of 11 cases. McKenna UG, et al. **Mayo Clin Proc** 1980 Nov;55(11):663–72
Secondary rash in toxic–shock syndrome [letter] Deetz TR, et al. **N Engl J Med** 1981 Jan 15;304(3):174
[Mechanisms of acute pulmonary edema during meningococcal shock in children (author;s transl)] Kahn

A, et al. **Pathol Biol (Paris)** 1981 May;29(5):273–7 (Eng. Abstr.) **(Fre)**

[The impact of hemostasis disorders in septic shock] Schneeweiss B, et al. **Paediatr Grenzgeb** 1981;20(1–2):131–8 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Toxic shock in the teenage patient. Weinberg HD. **Am J Dis Child** 1981 Mar;135(3):244–5

Toxic shock syndrome or Kawasaki disease [letter] Milgrom H, et al. **Ann Intern Med** 1981 Jan;94(1):138

Shock in the material of Clinic of Infectious Diseases, Institute of Internal Medicine, Medical Academy in Gdańsk. Gajda A, et al. **Bull Inst Marit Trop Med Gdynia** 1980;31(1–2):77–84

Toxic shock syndrome. Possible confusion with Kawasaki's disease. Raimer SS, et al. **Cutis** 1981 Jul;28(1):33–5

Toxic-shock syndrome: a case report. Abrahamsen CE. **Del Med J** 1981 Jan;53(1):9–10

Toxic shock syndrome with vaginal ulceration. Raum ME, et al. **J Fla Med Assoc** 1980 Oct;67(10):935–6

Toxic-shock syndrome in Iowa. Pinsky RL, et al. **J Iowa Med Soc** 1981 Apr;71(4):149–52

Toxic shock syndrome in Oklahoma. Saadah HA, et al. **J Okla State Med Assoc** 1981 Jul;14(7):191–4

Clinical manifestations of toxic shock syndrome. Chesney PJ, et al. **JAMA** 1981 Aug 14;246(7):741–8

Clinical conferences at The Johns Hopkins Hospital. Toxic-shock syndrome. **Johns Hopkins Med J** 1981 Jan; 148(1):14–8

Toxic-shock syndrome: a recent case and discussion. Hrehorovich VR, et al. **Md State Med J** 1981 Feb; 30(2):68–70

Tampon-associated toxic shock syndrome [letter] Alexander IM, et al. **Med J Aust** 1981 Jun 13;1(12):656

Toxic shock associated with tampon usage. Hosking N, et al. **Med J Aust** 1981 Jun 13;1(12):638–9

Toxic shock syndrome: some clues to the mystery. Iannini PB, et al. **Med Times** 1981 Mar;109(3):5s–10s, 14s

Toxic shock syndrome: report of five cases. Lane TW. **NC Med J** 1981 Mar;42(3):173–5

Toxic shock syndrome--a synopsis. Gysler M. **Pediatr Clin North Am** 1981 May;28(2):433–5

Toxic shock syndrome--scientific uncertainty and the public media. Todd JK. **Pediatrics** 1981 Jun;67(6):921–3

Toxic shock syndrome in a 19-year-old woman. Faris MR, et al. **West J Med** 1981 Jun;134(6):535–9

Toxic shock syndrome. Tanner MH, et al. **West J Med** 1981 Jun;134(6):477–84

[Toxic shock syndrome (editorial)] van der Merwe JV. **S Afr Med J** 1981 Mar 7;59(10):317–8 **(Afr)**

[Toxic shock syndrome ('tampon disease')] de Geus JP. **Ned Tijdschr Geneeskd** 1981 Jan 17;125(3):95–8 **(Dut)**

[Clinical characteristics of endotoxic shock] Hayasaka H, et al. **Nippon Rinsho** 1980;38(4):1875–8 **(Jpn)**

[Clinical aspects and treatment of infectious, toxic shock in typhoid fever] Nikiforov VN, et al. **Sov Med** 1980;(9):33–7 **(Rus)**

[Bacteremic shock in acute pyelonephritis] Vozianov AF. **Vrach Delo** 1981 May;(5):47–50 (Eng. Abstr.) **(Rus)**

[Shock caused by gram-negative bacterial infection] Andjelković Z. **Srp Arh Celok Lek** 1981 Jul–Aug; 108(7–8):777–89 **(Scc)**

DRUG THERAPY

Endotoxic shock in the primate: effects of aspirin and dipyridamole administration. Rao PS, et al. **Am J Obstet Gynecol** 1981 Aug 15;140(8):914–22

Nitroprusside or nitroglycerin [letter] White JD. **Ann Intern Med** 1981 Apr;94(4 pt 1):540–1

A comparison of the cardiovascular effects of dobutamine and a new dopamine derivative (D4975) during shock induced by E. coli endotoxin. McCaig D, et al. **Br J Pharmacol** 1980 Aug;69(4):651–6

Proteinase inhibitors in severe inflammatory processes (septic shock and experimental endotoxaemia): biochemical, pathophysiological and therapeutic aspects. Fritz H. **Ciba Found Symp** 1979;(75):351–79 (59 ref.)

Survival of primates in lethal septic shock following delayed treatment with steroid. Hinshaw LB, et al. **Circ Shock** 1981; 8(3):291–300

Corticosteroid therapy in hemorrhagic and septic shock in puppies. Connors RH, et al. **J Pediatr Surg** 1980 Dec; 15(6):790–6

Protective effects of aspirin in endotoxic shock. Halushka PV, et al. **J Pharmacol Exp Ther** 1981 Aug;218(2):464–9

Ibuprofen improves survival from endotoxic shock in the rat. Wise WC, et al. **J Pharmacol Exp Ther** 1980 Oct; 215(1):160–4

Naloxone in shock [letter] **Lancet** 1980 Dec 20–27; 2(8208–8209):1360

Naloxone for septic shock [editorial] **Lancet** 1981 Mar 7; 1(8219):538–9

Naloxone in shock [letter] Burnie J. **Lancet** 1981 Apr 25; 1(8226):942

Naloxone in irreversible shock [letter] Tiengo M. **Lancet** 1980 Sep 27;2(8196):690

Septic shock and corticosteroids [editorial] Sheagren JN. **N Engl J Med** 1981 Aug 20;305(8):456–8

Salutary effects of prostacyclin in endotoxic shock. Lefer AM, et al. **Pharmacology** 1980;21(3):206–12

Effects of naloxone therapy on hemodynamics and metabolism following a superlethal dosage of Escherichia coli endotoxin in dogs. Raymond RM, et al. **Surg Gynecol Obstet** 1981 Feb;152(2):159–62

Fructose-1,6-diphosphate: an agent for treatment of experimental endotoxin shock. Markov AK, et al. **Surgery** 1981 Sep;90(3):482–8

[Choledocholithiasis with septic shock treated with combined traditional Chinese and western medicine: report of 111 cases (author's transl)] Xue HL. **Chung Hua Wai Ko Tsa Chih** 1980 Mar;18(3):229–30 **(Chi)**

[The effect of dopamine in septic shock. Preliminary report] Vyhnánek F. **Rozhl Chir** 1980 Aug;59(8):542–7 (Eng. Abstr.) **(Cze)**

The effects of prostacyclin (PGI2) on endotoxin shock and endotoxin-induced platelet aggregation in dogs. Fletcher JR, et al. **Circ Shock** 1980;7(3):299–308 **(eng)**

[Dopamine in the management of septic shock states] Daoud A, et al. **Tunis Med** 1981 Jan–Feb;59(1):848–51 (Eng. Abstr.) **(Fre)**

[Dexamethasone and ATP 'protection' of the liver in endotoxinemia] Zhalko-Titarenko VF, et al. **Anesteziol Reanimatol** 1981 Jan–Feb;(1):56–9 (Eng. Abstr.) **(Rus)**

[Pathogenesis and treatment of endotoxic shock] D'iachenko PK. **Vestn Khir** 1980 Nov;125(11):3–9 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Glycolytic enzyme activities in normal and diabetic dog livers during endotoxic shock. Liu MS, et al. **Am J Physiol** 1981 Jan;240(1):R10–5

Lung cyclic 3',5'-adenosine monophosphate and adenylate cyclase in endotoxic shock. Klein DM, et al. **Exp Lung Res** 1980 Aug;1(3):191–9

Lipoprotein lipase in rats sensitized to endotoxin by surgical trauma. Bagby GJ, et al. **J Surg Res** 1980 Aug;29(2):110–5

Lysosomal enzyme in endotoxin shock. Mori K, et al. **Surg Gynecol Obstet** 1981 Apr;152(4):427–32

ETIOLOGY

Toxic shock syndrome. Wroblewski SS. **Am J Nurs** 1981 Jan;81(1):82–5

Wound infection and septic shock due to Vibrio vulnificus. Castillo LE, et al. **Am J Trop Med Hyg** 1981 Jul;30(4):844–8

Toxic shock syndrome: the emerging picture [editorial] Shands KN, et al. **Ann Intern Med** 1981 Feb;94(2):264–6

Haemophilus influenza sepsis and shock secondary to biliary infection in an adult. de Sa Pereira M, et al. **Arch Intern Med** 1981 May;141(6):795–6

Disease of the month. Brass A. **Br J Hosp Med** 1981 Jan; 25(1):58

Toxic shock and tampons [editorial] **Br Med J** 1980 Nov 1;281(6249):1161–2

Toxic shock and tampons [letter] **Br Med J** 1980 Nov 22; 281(6252):1426

Toxic shock and tampons [letter] **Br Med J** 1980 Dec 13; 281(6255):1639

Tampon-associated toxic shock syndrome. Holt P. **Br Med J** 1980 Nov 15;281(6251):1321–2

Toxic shock syndrome [letter] Knudsen F, et al. **Br Med J [Clin Res]** 1981 Jan 31;282(6261):399

Toxic shock syndrome: a new disease but an old phenomenon. Bollet AJ. **Conn Med** 1981 Apr;45(4):223–4

A toxic shock syndrome. Watsky P, et al. **Conn Med** 1980 Dec;44(12):776–8

Toxic-shock syndrome [editorial] **Del Med J** 1981 Jan; 53(1):15–6

Update on toxic shock syndrome. **FDA Drug Bull** 1980 Nov; 10(3):17–9

Toxic-shock syndrome. Baldwin DG, et al. **J Arkansas Med Soc** 1980 Dec;77(7):247–52

Toxic shock syndrome. Scott RG. **J Indiana State Med Assoc** 1980 Nov;73(11):743–6

Toxins and toxic-shock syndrome. Bennett JV. **J Infect Dis** 1981 Apr;143(4):631–2

Identification and characterization of an exotoxin from Staphylococcus aureus associated with toxic-shock syndrome. Schlievert PM, et al. **J Infect Dis** 1981 Apr; 143(4):509–16

Update: toxic shock syndrome. Price JH. **J Sch Health** 1981 Mar;51(3):143–5

Sepsis and septic shock--a review of laboratory models and a proposal. Wichterman KA, et al. **J Surg Res** 1980 Aug; 29(2):189–201 (65 ref.)

Toxic shock syndrome in a male postoperative patient. Silver MA, et al. **J Trauma** 1981 Aug;21(8):650–1

Toxic shock and vaginal tampons [editorial] **Lancet** 1980 Nov 8;2(8202):1011

Tampon shock [letter] Neild G, et al. **Lancet** 1980 Nov 29; 2(8205):1196

Toxic-shock syndrome. Donovan J. **Med J Aust** 1981 Mar 7;1(5):211

Toxic-shock syndrome [letter] **N Engl J Med** 1981 Apr 23; 304(17):1039–41

Outpatient diagnosis and management of toxic-shock syndrome [letter] Chesney PJ, et al. **N Engl J Med** 1981 Jun 4;304(23):1426

Toxic-shock syndrome [letter] Fuller AF Jr, et al. **N Engl J Med** 1980 Oct 9;303(15):881

Staphylococcal infection in the toxic-shock syndrome [editorial] Glasgow LA. **N Engl J Med** 1980 Dec 18; 303(25):1473–5

Toxic-shock syndrome and the Bundaberg disaster [letter] Goodman JS. **N Engl J Med** 1980 Dec 11;303(24):1417

Toxic-shock syndrome and the diaphragm [letter] Hymowitz EE. **N Engl J Med** 1981 Oct 1;305(14):834

Toxic-shock syndrome in menstruating women: association with tampon use and Staphylococcus aureus and clinical features in 52 cases. Shands KN, et al. **N Engl J Med** 1980 Dec 18;303(25):1436–42

Clinical experience with toxic-shock syndrome [letter] Tofte RW, et al. **N Engl J Med** 1980 Dec 11;303(24):1417

Toxic shock syndrome. Scott MM. **Nebr Med J** 1981 Jul; 66(7):146–9

A young woman with toxic-shock syndrome in Auckland. Lea S, et al. **NZ Med J** 1981 Feb 25;93(678):112–3

Tampons and toxic shock syndrome [letter] Phillips JS. **NZ Med J** 1980 Nov 26;92(672):396–7

Toxic shock syndrome and vaginal tampons: report of two cases. Robertson MD, et al. **NZ Med J** 1981 Mar 11; 93(679):149

Ampicillin-resistant H influenzae cellulitis and shock in an adult. Shea JP, et al. **Otolaryngol Head Neck Surg** 1980 Nov-Dec;88(6):681–3

Exaggerated natural measles following attenuated virus immunization: a refraction--toxic shock syndrome [letter] St Geme JW Jr, et al. **Pediatrics** 1981 Jun;67(6):942

Tampon-associated toxic shock syndrome--a case report. Semple CG, et al. **Scott Med J** 1981 Jul;26(3):254–6

[Endotoxic shock] Mishev P, et al. **Khirurgiia (Sofiia)** 1980; 33(5):432–8 (21 ref.) **(Bul)**

[Septic states in children with acute suppurative peritonitis] Hájková H, et al. **Rozhl Chir** 1980;59(9):612–6 (Eng. Abstr.) **(Cze)**

[Septic states in children with acute purulent peritonitis] Hájková H, et al. **Rozhl Chir** 1980 Sep;59(9):612–6 (Eng. Abstr.) **(Cze)**

[Toxic shock syndrome] Larsen JF. **Ugeskr Laeger** 1981 Feb 2;143(6):332–3 (Eng. Abstr.) **(Dan)**

[Tampon disease in the Netherlands] van Ketel RJ. **Ned Tijdschr Geneeskd** 1981 Jan 17;125(3):93–5 (Eng. Abstr.) **(Dut)**

[Toxic-shock syndrome. Three cases (author's transl)] Rapin M, et al. **Nouv Presse Med** 1981 Jun 13;10(26):2167–70 (Eng. Abstr.) **(Fre)**

[Toxic shock syndrome in menstruating women] Beller FK. **Geburtshilfe Fraunheilkd** 1981 Jun;41(6):449–50 **(Ger)**

[Toxic shock syndrome in a 29-year-old patient] Üllers R, et al. **MMW** 1981 May 1;123(18):753–5 **(Ger)**

[Clinical conference at the Department of Cardiovascular Surgery, National Center of Circulatory Diseases. 1. Fatal case of septic shock following mitral valve replacement in bacterial endocarditis] **Kyobu Geka** 1980;33(9):719–21 **(Jpn)**

[Bacteriology of the causative diseases in endotoxic shock] Ishiyama M, et al. **Nippon Rinsho** 1980;38(4):1869–74 **(Jpn)**

[Pathogenesis and treatment of endotoxic shock] D'iachenko PK. **Vestn Khir** 1980 Nov;125(11):3–9 (Eng. Abstr.) **(Rus)**

[Sepsis and septic shock] Apanasenko BG, et al. **Voen Med Zh** 1980 Sep;(9):35–9 (25 ref.) **(Rus)**

[Toxic shock after a viper bite] Cvitanović V, et al. **Med Pregl** 1980;33(9–10):407–10 **(Scr)**

[Fulminating pneumococcal sepsis in a splenectomized child] López Siguero JP, et al. **An Esp Pediatr** 1980 Dec; 13(12):1129–31 **(Spa)**

[Toxic shock syndrome with severely impaired circulation] Alestig K, et al. **Lakartidningen** 1981 Jan 7;78(1–2):56–7 **(Swe)**

[3 cases of toxic shock syndrome in connection with tampons] Bruno AM, et al. **Lakartidningen** 1980 Oct 29;77(44):4053 **(Swe)**

[Toxic shock syndrome in a 15-year-old girl] Rönnblad B. **Lakartidningen** 1981 Jan 7;78(1–2):56 **(Swe)**

IMMUNOLOGY

Role of complement and granulocytes in septic shock. Jacob HS. **Acta Chir Scand [Suppl]** 1980;Suppl 499:97–106

Enhanced sensitivity to endotoxin induced by the RE stimulant, glucan. Cook JA, et al. **Circ Shock** 1980; 7(3):225–38

Serologic evidence of noninvasive nature of Staphylococcus aureus infection in the toxic-shock syndrome [letter] Lentino JR, et al. **N Engl J Med** 1981 Sep 10;305(11):641–2

Protein antigens from Staphylococcus aureus strains associated with toxic-shock syndrome. Cohen ML, et al. **Science** 1981 Feb 20;211(4484):842–4

METABOLISM

Pulmonary injury and prostaglandin production during endotoxemia in conscious sheep. Demling RH, et al. **Am J Physiol** 1981 Mar;240(3):H348–53

Direct effects of gram-negative endotoxin on skeletal muscle glucose uptake. Raymond RM, et al. **Am J Physiol** 1981 Mar;240(3):H342–7

Mechanism of increased glucose uptake by skeletal muscle during E coli endotoxin shock in the dog. Raymond RM, et al. **Circ Shock** 1981;8(1):77–93

In vitro and in vivo effect of Escherichia coli endotoxin on

mitochondrial phospholipase A2 activity. Conde G, et al. **FEBS Lett** 1981 May 5;127(1):115–20
[Distribution and dynamics of 3H–dopamine in serum, heart, brain and suprarenal glands of rats subjected to endotoxic shock] Rainov A, et al. **Z Med Lab Diagn** 1980;21(2):101–5 (Eng. Abstr.) **(Ger)**

MICROBIOLOGY

Toxic shock syndrome and epidermal toxin [letter] Kapral FA. **Ann Intern Med** 1981 Aug;95(2):241
Aetiological agents and laboratory diagnosis of bacteraemic shock. Shanson DC. **J Clin Pathol** 1980 Sep;33(9):888–9
A new staphylococcal enterotoxin, enterotoxin F, associated with toxic-shock-syndrome Staphylococcus aureus isolates. Bergdoll MS, et al. **Lancet** 1981 May 9; 1(8228):1017–21
Toxic shock syndrome occurring during menstruation. Quinlan MF, et al. **Nebr Med J** 1981 Jun;66(6):131–2
[A Swedish case of recurrent toxic shock syndrome] Bäck E, et al. **Lakartidningen** 1980 Oct 15;77(42):3723 **(Swe)**

OCCURRENCE

Bacteriaemia and bacteriogenic shock in district hospital urological practice. Robinson MR, et al. **Br J Urol** 1980 Feb;52(1):10–4
Toxic shock syndrome in Georgia, 1980: epidemiologic features. McKinley TW, et al. **J Med Assoc Ga** 1981 Jun; 70(6):421–3
Toxic-shock syndrome--United States, 1970–1980. **MMWR** 1981 Jan 30;30(3):25–8, 33
Toxic-shock syndrome: epidemiologic features, recurrence, risk factors, and prevention. Davis JP, et al. **N Engl J Med** 1980 Dec 18;303(25):1429–35
Staphylococcal infection, toxic shock syndrome and tampons [editorial] **NZ Med J** 1981 Mar 11;93(679):150–1
[Report from the National Bacteriological Laboratory on toxic shock syndrome. 20 probable cases in Sweden] Kallings LO. **Lakartidningen** 1981 Jan 7;78(1–2):55 **(Swe)**

PATHOLOGY

Toxic shock syndrome in menstruating women. Fisher RF, et al. **Ann Intern Med** 1981 Feb;94(2):156–63
Toxic shock syndrome: clinical and laboratory features in 15 patients. Tofte RW, et al. **Ann Intern Med** 1981 Feb; 94(2):149–56
Considerations on the origin and ultrastructural aspects of type II pneumocytes under normal conditions and endotoxic shock experimentally induced in dogs. Marcello F, et al. **Biochem Exp Biol** 1980;16(1):23–9
Toxic shock syndrome: clinicopathologic findings in a fatal case. Abdul-Karim FW, et al. **Hum Pathol** 1981 Jan; 12(1):16–22
Lung pathology in septic shock. Corrin B. **J Clin Pathol** 1980 Sep;33(9):891–4
Peritubular capillaries. A major target site of endotoxin-induced vascular injury in the primate kidney. Richman AV, et al. **Lab Invest** 1980 Oct;43(4):327–32
[Venous changes in infectious-toxic cardiovascular failure] Saternus KS. **Beitr Gerichtl Med** 1980;38:277–84 (Eng. Abstr.) **(Ger)**
[Studies on the rat liver following endotoxin administration. (1) A morphological, biochemical and histochemical study (author's transl)] Hirata K, et al. **Masui** 1980 Nov; 29(12):1463–9 (Eng. Abstr.) **(Jpn)**
[Ultrastructure of the functional element links of the sensorimotor cortex in endotoxic shock] Polianin KI, et al. **Arkh Anat Gistol Embriol** 1980 Jul;79(7):5–12 (Eng. Abstr.) **(Rus)**
[Bacterial (endotoxic) shock] Kan'shina NF. **Arkh Patol** 1980; 42(5):71–4 (46 ref.) (Eng. Abstr.) **(Rus)**
[Ultrastructure of components of the functional element of the adrenal medulla in the early stages of endotoxic shock] Kirichenko IuG, et al. **Biull Eksp Biol Med** 1980 Oct; 90(10):500–3 **(Rus)**
[Cellular ultrastructure of the zona reticularis of the adrenal cortex in the early period of endotoxic shock] Bardakhch'ian EA, et al. **Tsitol Genet** 1981 Mar–Apr; 15(2):3–7 **(Rus)**

PHYSIOPATHOLOGY

Renal blood flow distribution during E. coli endotoxin shock in dog. Kirkebø A, et al. **Acta Physiol Scand** 1980 Apr; 108(4):367–72
Naloxone reverses the pathophysiology of shock through an antagonism of endorphin systems. Holaday JW, et al. **Adv Biochem Psychopharmacol** 1981;28:421–34
An observed pressor effect of the cerebellum during endotoxin shock in the dog. Janssen HF, et al. **Am J Physiol** 1981 Mar;240(3):H368–74
Contractile dysfunction of atrial myocardium from endotoxin-shocked guinea pigs. Parker JL, et al. **Am J Physiol** 1981 Jun;240(6):H954–62
Extracellular calcium pool decreases during deep septic shock in the baboon. Holcroft JW, et al. **Ann Surg** 1980 Nov;192(5):683–6
Does sodium pentobarbital anesthesia compromise clearance of bacteria or survival of dogs in lethal E coli shock? Archer LT, et al. **Circ Shock** 1981;8(1):59–67
Comparison of the systemic and pulmonary vascular response to endotoxin with plasma and lung lymph lysosomal enzyme release: effect of steroid pretreatment. Demling RH, et al. **Circ Shock** 1980;7(3):317–31
Intestinal vascular and central hemodynamic responses in the cat following i.v. infusion of live E coli bacteria. Falk A, et al. **Circ Shock** 1980;7(3):239–50
Myocardial failure and excitation--contraction uncoupling in canine endotoxin shock: role of histamine and the sarcoplasmic reticulum. Hess ML, et al. **Circ Shock** 1980; 7(3):277–87
Chronic opiate receptor occupation and increased lethality in endotoxemia. Hess ML, et al. **Circ Shock** 1981; 8(3):313–22
Dobutamine: a hemodynamic evaluation in human septic shock. Jardin F, et al. **Crit Care Med** 1981 Apr;9(4):329–32
Glomerular dynamics and morphologic changes in the generalized Shwartzman reaction in postpartum rats. Conger JD, et al. **J Clin Invest** 1981 May;67(5):1334–46
Experimental endotoxin shock: the pathophysiologic function of endorphins and treatment with opiate antagonists. Faden AI, et al. **J Infect Dis** 1980 Aug;142(2):229–38 (55 ref.)
Contractile protein dysfunction as a determinant of depressed cardiac contractility during endotoxin shock. Hess ML, et al. **J Mol Cell Cardiol** 1981 Aug;13(8):715–23
Comparison between lung fluid filtration rate and measured starling forces after hemorrhagic and endotoxic shock. Demling RH, et al. **J Trauma** 1980 Oct;20(10):856–60
Hypocalcaemia and toxic shock syndrome [letter] Wagner MA, et al. **Lancet** 1981 May 30;1(8231):1208
Toxic shock syndrome [letter] Howells G. **Med J Aust** 1981 Mar 7;1(5):251
Thyrotropin-releasing hormone improves cardiovascular function in experimental endotoxic and hemorrhagic shock. Holaday JW, et al. **Science** 1981 Jul 10;213(4504):216–8
The heart and endotoxin shock. Hinshaw LB, et al. **Tex Rep Biol Med** 1979;39:173–91
[Circulating blood volume changes in endotoxic shock in rabbits] Andreeva T, et al. **Khirurgiia (Sofiia)** 1981; 34(2):154–7 (Eng. Abstr.) **(Bul)**
[The liver in septic endotoxic shock] Georgiev ND, et al. **Khirurgiia (Sofiia)** 1981;34(2):158–64 (31 ref.) **(Bul)**
[Gastric secretion of white rats in endotoxic shock] Zherev S, et al. **Probl Khig** 1980;8:40–6 (Eng. Abstr.) **(Bul)**
[Increased vascular permeability during endotoxinemia in child (author's transl)] Kahn A, et al. **Ann Pediatr (Paris)** 1981 Jan;28(1):59–61 (Eng. Abstr.) **(Fre)**
[Experimental study of renal flux and endotoxic shock] Pittiruti M, et al. **Chir Patol Sper** 1979;27 Suppl:1–52 **(Ita)**
[Effects of prostaglandin I2 on lung vascular permeability after endotoxin in dogs (author's transl)] Ikeda T. **Fukuoka Igaku Zasshi** 1981 Mar;72(3):71–81 (Eng. Abstr.) **(Jpn)**
[Effects of fluid infusion on myocardial contractility during endotoxin shock (author's transl)] Endo T. **Masui** 1980 Aug;29(8):756–63 (Eng. Abstr.) **(Jpn)**
[Capillary pooling and vasogenic shock--studies of circulatory function in hyperdynamic shock] Shimada Y, et al. **Nippon Rinsho** 1980;38(4):1820–4 **(Jpn)**
[Endotoxic shock and adrenal cortex] Barczyk J, et al. **Pol Tyg Lek** 1980 Aug 11;35(32):1237–40 **(Pol)**

PREVENTION & CONTROL

Zymosan-induced resistance to endotoxin and hemorrhagic shock. Joyce LD, et al. **Adv Shock Res** 1978;1:125–47

THERAPY

Circulatory shock associated with purulent peritonitis. Vincent JL, et al. **Am J Surg** 1981 Aug;142(2):262–70
Management and treatment of obstetric bacteraemic shock. Hawkins DF. **J Clin Pathol** 1980 Sep;33(9):895–6
Fluid resuscitation in live Escherichia coli shock in puppies. Benner JW, et al. **J Pediatr Surg** 1980 Aug;15(4):527–30
Gram-negative bacteremic shock: pathophysiology, clinical features, and treatment. Gleckman R, et al. **South Med J** 1981 Mar;74(3):335–41
[The multiparameter sequential system in long-term monitoring] Cagossi M, et al. **Chir Patol Sper** 1979 Oct; 27(5):498–506 (Eng. Abstr.) **(Ita)**
[Intensive treatment of septic shock] Brienza A, et al. **Minerva Anestesiol** 1980 Sep;46(9):1033–46 (94 ref.) (Eng. Abstr.) **(Ita)**
[Hemodynamic data and their use in therapy of septic shock] Costa PP, et al. **Minerva Anestesiol** 1979 Mar;45(3):139–46 (Eng. Abstr.) **(Ita)**
[Endotoxic shock] Furukawa Y, et al. **Nippon Rinsho** 1980; 38(4):1961–5 **(Jpn)**
[Emergency treatment of various severe complications of acute pneumonia] Silvestrov VP. **Ter Arkh** 1980; 52(10):81–5 **(Rus)**

VETERINARY

Experimental studies on pathophysiology of septic shock in buffalo calves. Singh J, et al. **Zentralbl Veterinaermed [A]** 1980;27(8):652–61

SHOCK, SURGICAL

DIAGNOSIS

[Causes of cardiocirculatory collapse during gynecological and obstetrical surgery] Rajić S, et al. **Srp Arh Celok Lek** 1980 Jan;108(1):35–9 (Eng. Abstr.) **(Scc)**

ENZYMOLOGY

Lipoprotein lipase in rats sensitized to endotoxin by surgical trauma. Bagby GJ, et al. **J Surg Res** 1980 Aug;29(2):110–5

ETIOLOGY

[The TUR-syndrome and its importance to the anesthetist (author's transl)] Funtan E. **Wien Med Wochenschr** 1981 Apr 15;131(7):181–4 (Eng. Abstr.) **(Ger)**

THERAPY

Hemodilution and recovery from experimental intestinal shock in rats: a comparison of the efficacy of three colloids and one electrolyte solution. Dawidson I, et al. **Crit Care Med** 1981 Jan;9(1):42–6

SHOCK THERAPY see **CONVULSIVE THERAPY**

SHOCK THERAPY, ELECTRIC see **ELECTROCONVULSIVE THERAPY**

SHOCK THERAPY, INSULIN see **CONVULSIVE THERAPY**

SHOCK, TOXIC see **SHOCK, SEPTIC**

SHOCK, TRAUMATIC

[Clinical evaluation of extramedullary osteosynthesis in multiple rib fractures in conjunction with severe mechanical trauma and accompanying shock] Shapot IuB, et al. **Vestn Khir** 1980 Jun;124(6):95–7 (Eng. Abstr.) **(Rus)**

BLOOD

Generation, in activation and level of blood kinins during tourniquet shock in rabbits. Palgan E. **Acta Physiol Pol** 1981 Jan–Feb;32(1):37–46
The cardiac effect of altered calcium homeostasis after albumin resuscitation. Kovalik SG, et al. **J Trauma** 1981 Apr;21(4):275–9
[Changes in, and substitution of serum-albumin after trauma and shock (author's transl)] Kox W, et al. **Unfallheilkunde** 1981 Jul;84(7):286–90 (Eng. Abstr.) **(Ger)**
[The influence of traumatic shock on alcohol elimination (author's transl)] Raszeja S, et al. **Z Rechtsmed** 1981; 86(4):277–80 (Eng. Abstr.) **(Ger)**
[Metabolic response of leukocytes as an index of the individual response of an animal to stress and traumatic shock] Shepotinovskiĭ VI, et al. **Biull Eksp Biol Med** 1980 Oct;90(10):418–20 (Eng. Abstr.) **(Rus)**
[Changes in the indices of the oxidation-reduction processes in burn shock in children] Tursunov BS. **Klin Khir** 1981 Mar;(3):52–3 **(Rus)**
[Blood morphological picture in the early postshock period of traumatic disease] Seleznev SA, et al. **Ortop Travmatol Protez** 1980 Aug;(8):14–8 (Eng. Abstr.) **(Rus)**
[Interrelationships of blood rheological indices in experimental traumatic shock] Van'kov DE. **Patol Fiziol Eksp Ter** 1980;(4):75–7 (Eng. Abstr.) **(Rus)**
[Disorders of electrolyte metabolism in the early period after traumatic shock] Khudaĭberenov GS. **Vestn Khir** 1981 Jan; 126(1):131–5 (Eng. Abstr.) **(Rus)**

COMPLICATIONS

Pathogenesis of respiratory failure (ARDS) after hemorrhage and trauma: II. Cardiorespiratory patterns after development of ARDS. Czer LS, et al. **Crit Care Med** 1980 Sep;8(9):513–8
Pathogenesis of respiratory failure (ARDS) after hemorrhage and trauma: I. Cardiorespiratory patterns preceding the development of ARDS. Shoemaker WC, et al. **Crit Care Med** 1980 Sep;8(9):504–12
Overcompensation syndromes. Hardaway RM 3d. **South Med J** 1981 Apr;74(4):405–9
[Acute renal failure and multiple trauma] Giacchino F, et al. **Arch Sci Med (Torino)** 1980 Oct–Dec;137(4):655–61 (Eng. Abstr.) **(Ita)**
[Acute renal insufficiency in the course of post-alcoholic myolysis (author's transl)] Hanicki Z, et al. **Przegl Lek** 1981; 38(3):372–5 **(Pol)**
[Role of fatigue in the pathogenesis of traumatic shock] Kulagin VK. **Fiziol Zh** 1981 May–Jun;27(3):433–7 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

[Traumatic shock] Iumashev GS, et al. **Khirurgiia (Mosk)** 1981 Jun;(6):31–5 (Eng. Abstr.) **(Rus)**
[Diagnosis and treatment of liver injuries complicated by shock and hemorrhage] Kondrat'ev NP, et al. **Khirurgiia (Mosk)** 1981 Jan;(1):77–80 (Eng. Abstr.) **(Rus)**
[Prognosis of the outcomes in cerebrocranial trauma combined with extracranial injuries complicated by shock] Gvozdev MP, et al. **Vestn Khir** 1981;126(5):94–8 (Eng. Abstr.) **(Rus)**

[Clinical multifactorial evaluation of the severity of traumatic shock] Tsibin IuN. **Vestn Khir** 1980 Sep;125(9):62–7 (Eng. Abstr.) **(Rus)**

[Portable calculator for determining the frequency and severity of shock in bone fractures] Rusakov AB, et al. **Voen Med Zh** 1981 Feb;(2):64–5 **(Rus)**

DRUG THERAPY

Protective effects of a novel thromboxane analog in lethal traumatic shock. Lefer AM, et al. **Prostaglandins Med** 1979 Sep;3(3):139–46

[Effect of cytochrome C and zinc ions on acid–base metabolism in burn shock] Niedworok J, et al. **Z Exp Chir** 1980;13(3):159–64 (Eng. Abstr.) **(Ger)**

[Therapeutic effect of a saline solution with sodium lactate (lactasol) in traumatic shock] Sherman DM, et al. **Biull Eksp Biol Med** 1981 May;91(5):542–4 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

A proposal for the role of ecto–enzymes and adenylates in traumatic shock. Trams EG. **J Theor Biol** 1980 Dec 7; 87(3):609–21

Hyperamylasemia in critically injured patients. Takahashi M, et al. **J Trauma** 1980 Nov;20(11):951–5

[Blood serum lactate dehydrogenase and creatine phosphokinase activity and the assessment of severity of experimental traumatic shock] Davydiv VV, et al. **Patol Fiziol Eksp Ter** 1980 Sep–Oct;(5):20–5 (Eng. Abstr.) **(Rus)**

[Tissue energy metabolism in rats in the initial period after a soft tissue injury] Lysyi LT. **Patol Fiziol Eksp Ter** 1981 Jan–Feb;(1):64–9 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Brain edema and carbohydrate metabolism in the early stages of thermal injury and burn shock. Domres B, et al. **Acta Chir Plast (Prague)** 1981;23(2):99–106

Muscle extract infusion in rabbits. A new experimental model of the crush syndrome. Blachar Y, et al. **Circ Res** 1981 Jul;49(1):114–24

[Positional compression syndrome in syringomyelia patients] Subbotin AV, et al. **Khirurgiia (Mosk)** 1981 Jun;(6):98–9 **(Rus)**

[Problems of the pathogenesis, clinical aspects and treatment of the prolonged crush syndrome (a review of the Soviet and foreign literature)] Isaev MR, et al. **Vestn Khir** 1980 Aug;125(8):125–8 (48 ref.) **(Rus)**

IMMUNOLOGY

[Dynamics of the immunological components at different stages of traumatic shock] Belovolova RA, et al. **Patol Fiziol Eksp Ter** 1980;(4):52–6 (Eng. Abstr.) **(Rus)**

METABOLISM

Body fluid compartment changes during burn shock in the guinea pig. Ferguson JL, et al. **Circ Shock** 1980;7(4):457–66

Beneficial actions of a free radical scavenger in traumatic shock and myocardial ischemia. Lefer AM, et al. **Circ Shock** 1981;8(3):273–82

Free fatty acid kinetics after burn shock in guinea pigs. Robinson KM, et al. **Circ Shock** 1981;8(1):1–7

Free fatty acid turnover and oxidation after burn shock in guinea pigs. Robinson KM, et al. **Circ Shock** 1981; 8(3):283–90

Adipose tissue and plasma-free fatty acid and glycerol concentrations during burn shock in guinea pigs. Robinson KM, et al. **Proc Soc Exp Biol Med** 1980 Dec;165(3):375–9

[Role of biochemical idiosyncrasies in the body's response to traumatic shock] Saakov BA, et al. **Patol Fiziol Eksp Ter** 1980 Nov–Dec;(6):74–8 (38 ref.) **(Rus)**

MORTALITY

[Analysis of causes of death in patients with severe burns (author's transl)] Wegener K, et al. **Unfallheilkunde** 1980 Nov;83(11):562–70 (Eng. Abstr.) **(Ger)**

PATHOLOGY

[Pathology of those buried alive] Lapras A. **Nouv Presse Med** 1980 Nov 8;9(42):3124–30 **(Fre)**

[Ultrastructural changes of the lungs in experimental burn shock] Barcikowski S, et al. **Z Exp Chir** 1980;13(3):165–8 (Eng. Abstr.) **(Ger)**

[Features of the morphofunctional response of Peyer's patches in rats during the course of traumatic shock and the early post-shock period] Belovolova RA, et al. **Biull Eksp Biol Med** 1981 Apr;91(4):424–6 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Irreversible thermic shock in rats: methods and results of a standardized shock model. Flenker H. **J Int Med Res** 1981;9(1):21–30

Role of the splanchnic visceral organs in development of tolerance to traumatic shock. Araki H, et al. **J Trauma** 1980 Dec;20(12):1046–51

[Energy exchange in mitochondria and contractility of bundles of glycerinated myocardial fibers in traumatic shock] Dumbadze GG, et al. **Biokhimiia** 1980 Jul; 45(7):1222–5 (Eng. Abstr.) **(Rus)**

[Functional state of the cerebral cortex and midbrain reticular formation during traumatic shock] Matua SP. **Biull Eksp Biol Med** 1981 Mar;91(3):296–8 (Eng. Abstr.) **(Rus)**

[Morphological, metabolic and functional changes in the digestive canal and their role in irreversible processes in traumatic shock and acute blood loss] Oborin AN. **Klin Khir** 1981 Jan;(1):48–50 (58 ref.) **(Rus)**

[Comparison of the changes in systemic hemodynamics and in the skeletal muscle microcirculatory bed in traumatic shock and blood loss] Dzhurko BI, et al. **Patol Fiziol Eksp Ter** 1980 Sep–Oct;(5):16–20 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Burn shock prevention. Troshev K, et al. **Acta Chir Plast (Prague)** 1981;23(1):46–9

[Organization of shock control measures at the evacuation stage] Deriabin II, et al. **Voen Med Zh** 1980 Nov;(11):17–20 **(Rus)**

[Basic research trends in the field of traumatic shock prevention using pharmacological agents (I.)] Dolinin VA, et al. **Voen Med Zh** 1980 Nov;(11):23–7 **(Rus)**

THERAPY

Clinical significance of altered coagulation tests after massive transfusion for trauma. Lucas CE, et al. **Am Surg** 1981 Mar; 47(3):125–30

Burns and burn care in Scandinavian countries. Jonsson CE. **Ann Chir Gynaecol** 1980;69(5):168–72

Skeletal muscle microcirculation and oxygenation in experimental intestinal shock: A study on the efficacy of different plasma substitutes. Dawidson I, et al. **Circ Shock** 1980;7(4):435–45

Myocardial performance in critically ill patients: response to whole blood transfusion as a prognostic measure. Czer LS, et al. **Crit Care Med** 1980 Dec;8(12):710–5

The use of the Mount Vernon formula in the treatment of burn shock. Muir I. **Intensive Care Med** 1981 Jan;7(2):49–53

Recommendations for the optimal care of the traumatized and/or burned patients. Part IV. The North Carolina Committee on Trauma of the American College of Surgeons. **NC Med J** 1980 Dec;41(12):818–23

Promise and problems of medical antishock trousers. Weigel JA. **Pa Med** 1980 Sep;83(9):42–3

New in Virginia: the shock–trauma emergency technician. Rockwell DD, et al. **Va Med** 1981 Jun;108(6):410–3

[Autocrush syndrome: report of 2 cases (author's transl)] Qu CY. **Chung Hua Wai Ko Tsa Chih** 1981 May;19(5):308–9 (Eng. Abstr.) **(Chi)**

[Experiences in management of pelvic fracture complicated with shock (author's transl)] Zhu TB. **Chung Hua Wai Ko Tsa Chih** 1979;17(5):376–8 **(Chi)**

[Treatment of the polytraumatic shock (author's transl)] Hempelmann G, et al. **Unfallchirurgie** 1981;7(2):116–21 (Eng. Abstr.) **(Ger)**

[Leading topic: polytrauma and post–traumatic shock. Continuing education seminar on polytrauma in Bad Nauheim] Kerger H. **Unfallchirurgie** 1981;7(2):60–1 **(Ger)**

[Treatment problems in myorenal syndrome with postural ischemia of the extremities] Vagner EA, et al. **Ortop Travmatol Protez** 1980 Sep;(9):8–10 (Eng. Abstr.) **(Rus)**

[Infusion and transfusion therapy of burn shock] Kozlov AI, et al. **Probl Gematol Pereliv Krovi** 1980 Dec;25(12):7–10 (Eng. Abstr.) **(Rus)**

[Lactasol infusions in the treatment complex in burn shock] Maksimov PI, et al. **Probl Gematol Pereliv Krovi** 1980 Dec; 25(12):14–8 (Eng. Abstr.) **(Rus)**

[Bases of transfusion and infusion therapy in burn shock] Murazian RI, et al. **Probl Gematol Pereliv Krovi** 1981 May; 26(5):28–31 (Eng. Abstr.) **(Rus)**

[Transfusion therapy and the ways of increasing its effectiveness in burn patients in the acute period (author's transl)] Povstianoĭ NE, et al. **Probl Gematol Pereliv Krovi** 1980 Dec;25(12):4–7 (Eng. Abstr.) **(Rus)**

[Circulatory system changes induced by the transfusion treatment of burn shock in children] Vozdvizhenskiĭ SI, et al. **Probl Gematol Pereliv Krovi** 1980 Dec;25(12):11–4 **(Rus)**

[Transfusion therapy of burns complicated by diabetes mellitus] Kul'baka VS, et al. **Vestn Khir** 1980 Jun; 124(6):126–30 (Eng. Abstr.) **(Rus)**

[Treatment of the positional compression syndrome] Mikhal'chuk MA, et al. **Vestn Khir** 1981;126(5):71–6 (Eng. Abstr.) **(Rus)**

[Treatment of burn shock with crystalloid solutions] Murazian RI, et al. **Vestn Khir** 1981 Feb;126(2):88–93 (Eng. Abstr.) **(Rus)**

[Pressing problems in traumatic shock] Sherman DM, et al. **Voen Med Zh** 1980 Nov;(11):28–9 **(Rus)**

[Liposomes and cAMP in lysosome membrane stabilization] Korovkin BF, et al. **Vopr Med Khim** 1980 May–Jun; 26(3):403–6 **(Rus)**

[Independent shock–trauma units serving a section of the State of Maryland] Olerud C. **Lakartidningen** 1981; 78(14):1452–4 **(Swe)**

SHOES

Subclinical neuropathic disorders and precautionary measures in the shoe industry. An electrophysiological investigation. Aiello I, et al. **Acta Neurol (Napoli)** 1980 Aug; 35(4):285–92

Rocker shoe as walking aid in multiple sclerosis. Perry J, et al. **Arch Phys Med Rehabil** 1981 Feb;62(2):59–65

Adenocarcinoma of the nose and paranasal sinuses in shoemakers and woodworkers in the province of Florence, Italy (1963–77). Cecchi F, et al. **Br J Ind Med** 1980 Aug; 37(3):222–5

Corrective shoes for children [editorial] **Br Med J** 1980 Jun 28;280(6231):1556–7

Corrective shoes for surgery [letter] Apley AG. **Br Med J** 1980 Aug 9;281(6237):457

A new shoe for drop foot with automatic raising of the fore–foot. Giontella M. **Ital J Orthop Traumatol** 1980 Aug; 6(2):295–7

Foot protection and safety shoes. Jackson JS, et al. **J Am Podiatry Assoc** 1980 Aug;70(8):416–20

Foot wear and the podiatrist: the wondrous world of leather. Rossi WA. **J Am Podiatry Assoc** 1981 Aug;71(8):458–9

The pedorthists. Rossi WA. **J Am Podiatry Assoc** 1981 Mar; 71(3):170–1

The controversy of corrective shoes. Rossi WA. **J Am Podiatry Assoc** 1981 Apr;71(4):230–1

The last: heart of the shoe. Rossi WA. **J Am Podiatry Assoc** 1980 Oct;70(10):533–4

Interpretation of shoe wear patterns in a personal injury case. Rowe WF. **J Forensic Sci** 1981 Jul;26(3):608–11

'Do it yourself' shoe. Kinsman R. **Physiotherapy** 1980 Sep; 66(9):304–5

[The man in stocking feet: contact hypersensitivity to materials in shoes and clothing textiles] Malten KE. **Ned Tijdschr Geneeskd** 1981 Apr 25;125(17):649–54 **(Dut)**

[Orthotic care by orthopedic shoe technicians in metatarsal and calcaneal injuries] Goldiger W. **Z Unfallmed Berufskr** 1979;72(4):155–61 **(Ger)**

[The problem of gait training after fractures of the lower extremity in the aged] Petračić B. **Zentralbl Chir** 1980; 105(1):66–9 **(Ger)**

[Pollution by solvents and assembly line jobs in shoe and shoe upper factories (author's transl)] Brugnone F, et al. **Med Lav** 1980 Jul–Aug;71(4):343–52 (Eng. Abstr.) **(Ita)**

[Long–term results of polyneuropathies from industrial glues. Clinical electromyographic observation of 10 cases] Montesanti V, et al. **Med Lav** 1981 Mar–Apr;72(2):107–12 (Eng. Abstr.) **(Ita)**

[Investigation on a group of workers exposed to trichloroethylene: evaluation of environmental exposure and urine metabolites (author's transl)] Ornigotti L, et al. **Med Lav** 1980 Sep–Oct;71(5):388–96 (Eng. Abstr.) **(Ita)**

[Evaluation of various renal function indices in a group of workers in the shoe industry] Caudarella R, et al. **Minerva Med** 1981 May 26;72(21):1361–6 (Eng. Abstr.) **(Ita)**

[CNV and SEP in shoe–industry workers affected by neuropathy due to toxic effects of adhesive solvents (author's transl)] Zappoli R, et al. **Riv Patol Nerv Ment** 1979 Jul–Aug;100(4):189–200 (Eng. Abstr.) **(Ita)**

[Process of monomer migration from shoe rubbers] Tararin VV. **Gig Sanit** 1980 Oct;(10):57–9 **(Rus)**

[Changes in the capillary state and skin temperature of the hands as affected by an NTB–type synthetic glue in shoe industry workers] Fidurov IaN, et al. **Vestn Dermatol Venerol** 1980 Oct;(10):32–4 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

'Doctor, my feet hurt'. Forsey RR. **Can Med Assoc J** 1980 Oct 18;123(8):745–7

'Doctor, my feet hurt' [letter] Shugar JL. **Can Med Assoc J** 1981 Apr 1;124(7):851

The etiology of hallux valgus in Japan. Kato T, et al. **Clin Orthop** 1981;(157):78–81

Roller disco neuropathy [letter] Dewitt LD, et al. **JAMA** 1981 Aug 21;246(8):836

[Effect of shoe leather on the course of eczema of the feet in servicemen] Siukhin VI. **Voen Med Zh** 1980 Nov;(11):63 **(Rus)**

ECONOMICS

Purchasing infant shoes: attitudes of parents, pediatricians, and store managers. Weiss J, et al. **Pediatrics** 1981 May; 67(5):718–20

SHOPE FIBROMA see **FIBROMA, SHOPE**

SHOPE FIBROMA VIRUS see under **POXVIRIDAE**

SHOPE PAPILLOMA VIRUS see under **PAPILLOMAVIRUSES**

SHORT BOWEL SYNDROME see under **MALABSORPTION SYNDROMES**

SHORT INCREMENT SENSITIVITY INDEX see **RECRUITMENT DETECTION (AUDIOLOGY)**

SHORT TERM PSYCHOTHERAPY see **PSYCHOTHERAPY, BRIEF**

SHORT-WAVE THERAPY see under **DIATHERMY**

SHOULDER

Differential diagnosis of lesions producing stiff shoulder. Flax HJ. **Am J Phys Med** 1981 Feb;60(1):20–9

The prevention and treatment of swimmer's shoulder. Penny JN, et al. **Can J Appl Sport Sci** 1980 Sep;5(3):195–202

Fabricating a shoulder somatoprosthesis. Blumenfeld I, et al. **J Prosthet Dent** 1981 May;45(5):542–4

Subacute thyroiditis of aberrant thyroid gland [letter] Endo Y. **JAMA** 1981 Apr 24;245(16):1632

Slot-machine tendinitis [letter] Neiman R, et al. **N Engl J Med** 1981 May 28;304(22):1368

Sleep shoulder syndrome. Wehby CT, et al. **Ohio State Med J** 1980 Nov;76(11):691–2

Painful shoulder contracture in strokes and the effect of physical therapy. Liao HF, et al. **Taiwan I Hsueh Hui Tsa Chih** 1981 Feb;80(2):253–61

[Macromastia as a cause of shoulder-arm pain] Pohl G, et al. **Beitr Orthop Traumatol** 1980 Oct;27(10):575–9 (Eng. Abstr.) **(Ger)**

[Tendopathia calcificans] Uhthoff HK, et al. **Beitr Orthop Traumatol** 1981 May;28(5):269–77 (Eng. Abstr.) **(Ger)**

[Shoulder dystocia] Beckmann M. **Med Welt** 1980 Jul 4; 31(27):1040–2 **(Ger)**

[Functional anatomy of shoulder-arm pain (author's transl)] Struppler A, et al. MMW 1980 Aug 22;122(34):1149–53 (Eng. Abstr.) **(Ger)**

ABNORMALITIES

Congenital and developmental anomalies of the shoulder girdle. Samilson RL. **Orthop Clin North Am** 1980 Apr; 11(2):219–31 (15 ref.)

Shoulder contour deformity after the Tikhoff–Linberg procedure: correction by silicone implant. Menick FJ, et al. **Plast Reconstr Surg** 1980 Nov;66(5):760–2

ANATOMY & HISTOLOGY

Anatomic considerations and examination of the shoulder. Neviaser RJ. **Orthop Clin North Am** 1980 Apr;11(2):187–95

[Regional and applied anatomy of subclavicular triangle in brachial plexus block (author's transl)] Pi X. **Chung Hua Wai Ko Tsa Chih** 1980;18(5):466–7 **(Chi)**

INJURIES

Shoulder impingement syndromes in athletes and their surgical management. Penny JN, et al. **Am J Sports Med** 1981 Jan–Feb;9(1):11–5

Repair of major defect of the upper extremity with a latissimus dorsi myocutaneous flap: a case report. Abu Jamra FN, et al. **Br J Plast Surg** 1981 Apr;34(2):121–3

Traumatic muscle avulsion causing winging of the scapula. A case report. Hayes JM, et al. **J Bone Joint Surg [Am]** 1981 Mar;63A(3):495–7

Recurrent transient subluxation of the shoulder. Rowe CR, et al. **J Bone Joint Surg [Am]** 1981 Jul;63A(6):863–72

Wound botulism. Hikes DC, et al. **J Trauma** 1981 Jan; 21(1):68–71

Traumatic forequarter amputation. Layton TR, et al. **J Trauma** 1981 May;21(5):411–2

Suprascapular nerve injury following trauma to the shoulder. Yoon TN, et al. **J Trauma** 1981 Aug;21(8):652–5

Soft tissue injuries to neck, shoulder, and low-back-permanency?--direct and cross-examination of plaintiff's chiropractor--deposition testimony. Wack RG, et al. **Med Trial Tech Q** 1980 Winter-Spring;27:77–119

Nerve lesions about the shoulder. Bateman JE. **Orthop Clin North Am** 1980 Apr;11(2):307–26 (17 ref.)

Classification and management of the shoulder in birth palsy. Zancolli EA. **Orthop Clin North Am** 1981 Apr;12(2):433–57

PHYSIOLOGY

Electromyographic signs of shoulder muscular fatigue in two elevated arm positions. Hagberg M. **Am J Phys Med** 1981 Jun;60(3):111–21

Effects of postural change of the shoulder on EMG reaction time of triceps brachii. Taniguchi R, et al. **Appl Neurophysiol** 1980;43(1–2):40–7

Analysis of the linear displacement of the head and trunk during walking at different speeds. Cappozzo A. **J Biomech** 1981;14(6):411–25

[Electromyographic analysis of the levator scapulae and rhomboideus major muscle in movements of the upper limb (author's transl)] de Freitas V, et al. **Anat Anz** 1980; 148(4):337–45 (Eng. Abstr.) **(Ger)**

[Mean bioelectrical activity (EMG) of selected muscles of the shoulder girdle and of the right upper extremity during cranking work] Kobryn U, et al. **Z Gesamte Hyg** 1980 Apr; 26(4):246–9 (Eng. Abstr.) **(Ger)**

PHYSIOPATHOLOGY

Multiterritorial muscle evaluations for maximal isometric contraction of the deltoid muscle in normal and dystrophic humans. Simard T, et al. **Am J Phys Med** 1981 Jun; 60(3):132–43

The frozen shoulder: a review of manipulative treatment. Thomas D, et al. **Rheumatol Rehabil** 1980 Aug;19(3):173–9

[The partition of so-called periarthritis of the shoulder (author's transl)] Welfling J. **Orthopaede** 1981 May; 10(3):187–90 **(Ger)**

RADIOGRAPHY

Detection and correction of geometrical distortion in x-ray fluoroscopic images. Wallace WA, et al. **J Biomech** 1981; 14(2):123–5

Arthrography of the shoulder. Neviaser TJ. **Orthop Clin North Am** 1980 Apr;11(2):205–17

[Shoulder radiographic evaluation. Radiographic examination of shoulder and scapular girdle trauma (author's transl)] Fery A, et al. **J Radiol** 1981 Apr; 62(4):247–56 (Eng. Abstr.) **(Fre)**

[Value of the transscapular view in radiological of shoulder trauma (author's transl)] Lardé D, et al. **J Radiol** 1981 Apr; 62(4):277–82 (Eng. Abstr.) **(Fre)**

[X-ray picture of the surface lymphatic collectors of the normal upper extremity via different methodological variants of lymphography] Tsyb AF, et al. **Vestn Rentgenol Radiol** 1981;(3):30–5 (Eng. Abstr.) **(Rus)**

RADIONUCLIDE IMAGING

Radio-isotope scanning in the painful shoulder. Stodeli MA, et al. **Rheumatol Rehabil** 1980 Aug;19(3):163–6

SURGERY

Regional anesthesia for surgery on the shoulder. A review of 1500 cases. Dekrey JA, et al. **Anaesthesist** 1981 Jul; 30(7):46–8

Muscle flap reconstruction of shoulder defects. Dowden RV, et al. **J Hand Surg** 1980 Jul;5(4):382–90

Surgical approaches to the shoulder. Bateman JE. **Orthop Clin North Am** 1980 Apr;11(2):349–66 (16 ref.)

[Surgical treatment of subacromial bursitis (author's transl)] Wu HB. **Chung Hua Wai Ko Tsa Chih** 1980;18(1):45–6 **(Chi)**

[Treatment of old unreduced posterior dislocation of the shoulder by double approach and posterior scapular osteoplasty. Report of four cases (author's transl)] Leyder P, et al. **Ann Chir** 1980 Dec;34(10):806–9 (Eng. Abstr.) **(Fre)**

[Axillary approach in surgery of the shoulder and proximal extremity of the humerus in children] Bouyala JM, et al. **Chir Pediatr** 1980;21(4):287–8 (Eng. Abstr.) **(Fre)**

[Surgical treatment of the rotator cuff rupture (author's transl)] Reichelt A. **Dtsch Med Wochenschr** 1981 Apr 17; 106(16):501–4 (Eng. Abstr.) **(Ger)**

[Interthoracoscapular amputation (forequarter amputation)] Sperling P, et al. **Zentralbl Chir** 1981;106(5):340–3 **(Ger)**

[Interscapular-thoracic amputation of the arm] Bogacki W, et al. **Nowotwory** 1980 Jul–Sep;30(3):261–4 (Eng. Abstr.) **(Pol)**

SHOULDER DISLOCATION

COMPLICATIONS

Bilateral posterior dislocation of the shoulder combined with fracture of the proximal humerus. A case report. Lindholm TS, et al. **Acta Orthop Scand** 1980 Jun;51(3):485–8

Recovery from primary shoulder dislocation and its complications. Pasila M, et al. **Acta Orthop Scand** 1980 Apr; 51(2):257–62

Vascular complications of anterior dislocation of the shoulder. Drury JK, et al. **Br J Surg** 1980 Aug;67(8):579–81

Simultaneous dislocations of the shoulder and the elbow [letter] Suman RK. **Injury** 1981 Mar;12(5):438

Fractured coracoid with anterior shoulder dislocation. Wong-Pack WK, et al. **J Can Assoc Radiol** 1980 Dec; 31(4):278–9

[Vascular injuries in upper arm fractures and shoulder dislocations] Biedermann H, et al. **ZFA (Stuttgart)** 1980 Sep 10;56(25):1562–5 **(Ger)**

[Posterior shoulder dislocation with humeral neck fracture] Normant E, et al. **Chir Narzadow Ruchu Ortop Pol** 1980; 45(4):315–7 (Eng. Abstr.) **(Pol)**

[Pseudoaneurysm of the axillary artery after shoulder dislocation] Pieliński M, et al. **Chir Narzadow Ruchu Ortop Pol** 1980;45(5):415–7 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

Anterior dislocation of the glenohumeral joint in a child. Heck CC. **J Trauma** 1981 Feb;21(2):174–5

[Missed diagnosis of posterior dislocation of the humeral head] Nielsen HK, et al. **Ned Tijdschr Geneeskd** 1981 Apr 4;125(14):537–40 (Eng. Abstr.) **(Dut)**

[Shoulder injuries in Alpine skiing] Frankenberger A, et al. **Fortschr Med** 1981 May 21;99(19):733–9 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Bilateral shoulder dislocations caused by electric shock. Carew-McColl M. **Br J Clin Pract** 1980 Aug;34(8–9):251–4

[Unstable painful shoulders (author's transl)] Patte D, et al. **Rev Chir Orthop** 1980 Apr–May;66(3):157–65 (Eng. Abstr.) **(Fre)**

[Bilateral posterior shoulder fracture-dislocation as a result of a high-voltage current accident] Ansorge D. **Zentralbl Chir** 1980;105(7):465–7 **(Ger)**

PATHOLOGY

Recurrent dislocation of the shoulder after age fifty. Kinnett JG, et al. **Clin Orthop** 1980 Jun;(149):164–8

PHYSIOPATHOLOGY

The mechanisms producing fracture-separation of the proximal humeral epiphysis. Williams DJ. **J Bone Joint Surg [Br]** 1981 Feb;63-B(1):102–7

Electrophysiological investigation on shoulder subluxation in hemiplegics. Chino N. **Scand J Rehabil Med** 1981; 13(1):17–21

RADIOGRAPHY

The Hill-Sachs lesion. An experimental study. Danzig LA, et al. **Am J Sports Med** 1980 Sep-Oct;8(5):328–32

Injury to the shoulder, elbow, and forearm. Dalinka MK, et al. **Bull NY Acad Med** 1981 Mar;57(2):113–26

The 'other view' in the radiography of shoulder trauma. Horsfield D, et al. **Radiography** 1980 Sep;46(549):213–4

A new radiographic technique utilizing arthrotomography for studying the shoulder derangements. Franji SM, et al. **Radiol Technol** 1981 Jan–Feb;52(4):384–9

[Posterior shoulder luxations (author's transl)] Bernageau J, et al. **J Radiol** 1980 Aug–Sep;61(8–9):511–9 (Eng. Abstr.) **(Fre)**

SURGERY

Posterior dislocation and fracture-dislocation of the shoulder. Vastamäki M, et al. **Acta Orthop Scand** 1980 Jun; 51(3):479–84

Staple capsulorrhaphy for recurrent posterior shoulder dislocation. Tibone JE, et al. **Am J Sports Med** 1981 May-Jun;9(3):135–9

Intrathoracic displacement of the humeral head with fracture of the surgical neck. Hardcastle PH, et al. **Injury** 1981 Jan; 12(4):313–5

The results of the Boytchev procedure for treatment of recurrent dislocation of the shoulder. Conforty B. **Int Orthop** 1980;4(2):127–32

Spontaneous anterior and posterior subluxation of the shoulder (case presentation). Stilli S. **Ital J Orthop Traumatol** 1980 Aug;6(2):293–4

Repair of recurrent anterior dislocation of the shoulder using transfer of the subscapularis tendon. Karadimas J, et al. **J Bone Joint Surg [Am]** 1980 Oct;62(7):1147–9

Inferior capsular shift for involuntary inferior and multidirectional instability of the shoulder. A preliminary report. Neer CS 2d, et al. **J Bone Joint Surg [Am]** 1980 Sep;62(6):897–908

Anterior instability of the shoulder. Protzman RR. **J Bone Joint Surg [Am]** 1980 Sep;62(6):909–18

Axillary artery injury in erect dislocation of the shoulder. Lev-El A, et al. **J Trauma** 1981 Apr;21(4):323–5

Old unreduced dislocations of the shoulder. Neviaser TJ. **Orthop Clin North Am** 1980 Apr;11(2):287–94 (8 ref.)

[Recurrent anterior dislocation of shoulder (author's transl)] Feng CH. **Chung Hua Wai Ko Tsa Chih** 1979;17(3):169–72 **(Chi)**

[Treatment of old unreduced posterior dislocation of the shoulder by double approach and posterior scapular osteoplasty. Report of four cases (author's transl)] Leyder P, et al. **Ann Chir** 1980 Dec;34(10):806–9 (Eng. Abstr.) **(Fre)**

[The treatment of fracture-dislocation of the humeral head by blind pinning (author's transl)] Geneste R, et al. **Rev Chir Orthop** 1980 Sep;66(6):383–6 (Eng. Abstr.) **(Fre)**

[Indication, technic and results of managing habitual shoulder dislocations using subcapital rotation osteotomy] Hohmann D. **Aktuel Probl Chir Orthop** 1981;20:77–80 **(Ger)**

[Results of rotation osteotomy in habitual shoulder dislocation] Rehn J, et al. **Aktuel Probl Chir Orthop** 1981; 20:85–90 **(Ger)**

[Additional measures in subcapital rotation osteotomy for management of habitual shoulder dislocation] Rüter A, et al. **Aktuel Probl Chir Orthop** 1981;20:81–4 **(Ger)**

[Results of an operative therapy of dislocated fractures of the humeral head in adults (author's transl)] Meeder PJ, et al. **Aktuel Traumatol** 1980 Aug;10(4):201–7 (Eng. Abstr.) **(Ger)**

[Treatment of voluntary backward shoulder luxation] Leube R. **Beitr Orthop Traumatol** 1981 May;28(5):288–9 **(Ger)**

[Results following Trillat's surgery in habitual shoulder dislocation] Landmann J, et al. **Helv Chir Acta** 1980 Jun; 47(1–2):89–92 (Eng. Abstr.) **(Ger)**

[Recurrence frequency following traumatic shoulder dislocation] Strömsöe K, et al. **Helv Chir Acta** 1980 Jun; 47(1–2):85–8 (Eng. Abstr.) **(Ger)**

[Indications and technique of osteosynthesis in dislocated fractures of the humeral head in adults (author's transl)] Weise K, et al. **Langenbecks Arch Chir** 1980;351(2):91–8 (Eng. Abstr.) **(Ger)**

[Injuries of the rotator cuff of the shoulder – experiences in diagnosis and treatment (author's transl)] Martinek H, et al. **Unfallchirurgie** 1981;7(3):156–61 (Eng. Abstr.) **(Ger)**

[Traumatic lesions of the capsula and tendons of the shoulder joint, rupture of the rotator cuff, strain fractures (author's transl)] Scheuer I, et al. **Unfallchirurgie** 1980;6(4):219–24 (Eng. Abstr.) **(Ger)**

[Fresh and habitual dislocation of the shoulder joint (author's transl)] Wissing H. **Unfallchirurgie** 1980;6(4):233–8 (Eng. Abstr.) **(Ger)**

[Sequelae of faulty wiring of the shoulder] Szabó GJ, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1980; 23(3):236–9 **(Hun)**

[General considerations and modern views on the surgical treatment of recurrent dislocation of the shoulder (author's transl)] Marelli B, et al. **Chir Ital** 1979 Aug;31 Suppl 1(4):96–104 (Eng. Abstr.) **(Ita)**

[Treatment of shoulder dislocations] Bednarek J. **Pol Tyg Lek** 1981 Feb 23;36(8):293–4 (Eng. Abstr.) **(Pol)**

[Surgical treatment of habitual shoulder dislocation] Rakhimov SK. **Khirurgiia (Mosk)** 1981 Jun;(6):91–2 **(Rus)**

[Surgical treatment of habitual shoulder dislocation] Tkachenko SS. **Vestn Khir** 1980 Jun;124(6):82–6 (Eng. Abstr.) **(Rus)**

[Recurrent dislocation of the shoulder] Vaĭnshteĭn VG. **Vestn Khir** 1980 Nov;125(11):88–93 (Eng. Abstr.) **(Rus)**

THERAPY

Immobilization after primary dislocation of the shoulder. Kiviluoto O, et al. **Acta Orthop Scand** 1980 Dec;51(6):915–9

Collar sling for bilateral shoulder subluxation. Neal MR, et al. **AJOT** 1980 Jun;34(6):400–1

Posterior dislocation of the shoulder: habitual, traumatic, and obstetrical. May VR Jr. **Orthop Clin North Am** 1980 Apr; 11(2):271–85 (32 ref.)

Acute and recurrent anterior dislocations of the shoulder. Rowe CR. **Orthop Clin North Am** 1980 Apr;11(2):253–70 (23 ref.)

[Posterior fracture-dislocation of the shoulder. A study of 11 cases (author's transl)] Vichard P, et al. **Rev Chir Orthop** 1981;67(1):71–7 (Eng. Abstr.) **(Fre)**

[Volitional shoulder joint luxation] Kadner P. **Beitr Orthop Traumatol** 1980 Oct;27(10):585–6 (Eng. Abstr.) **(Ger)**

[Case of the reduction of an inveterate bilateral dislocation of the humerus in a female patient with scapular and peroneal myopathy] Urunbaev DU. **Ortop Travmatol Protez** 1980 Oct;(10):42–3 **(Rus)**

VETERINARY

Resection of the head of the humerus in an oryx. Tadmor A. **J Am Vet Med Assoc** 1980 Nov 1;177(9):949

SHOULDER FRACTURES

COMPLICATIONS

Bilateral posterior dislocation of the shoulder combined with fracture of the proximal humerus. A case report. Lindholm TS, et al. **Acta Orthop Scand** 1980 Jun;51(3):485–8

Shoulder injury requires evaluation of distal circulation [letter] Parry SW. **Ann Emerg Med** 1981 Sep;10(9):500

Axillary artery thrombosis after fracture of the humerus. A case report. Linson MA. **J Bone Joint Surg [Am]** 1980 Oct; 62(7):1214–5

[Posterior shoulder dislocation with humeral neck fracture] Normant E, et al. **Chir Narzadow Ruchu Ortop Pol** 1980; 45(4):315–7 (Eng. Abstr.) **(Pol)**

DIAGNOSIS

[Shoulder injuries in Alpine skiing] Frankenberger A, et al. **Fortschr Med** 1981 May 21;99(19):733–9 (Eng. Abstr.) **(Ger)**

ETIOLOGY

The mechanisms producing fracture-separation of the proximal humeral epiphysis. Williams DJ. **J Bone Joint Surg [Br]** 1981 Feb;63-B(1):102–7

[Bilateral posterior shoulder fracture-dislocation as a result of a high-voltage current accident] Ansorge D. **Zentralbl Chir** 1980;105(7):465–7 **(Ger)**

SURGERY

Posterior dislocation and fracture-dislocation of the shoulder. Vastamäki M, et al. **Acta Orthop Scand** 1980 Jun; 51(3):479–84

Intrathoracic displacement of the humeral head with fracture of the surgical neck. Hardcastle PH, et al. **Injury** 1981 Jan; 12(4):313–5

[Capitellum fractures of children (author's transl)] Duguet B, et al. **Chir Pediatr** 1980;21(5):331–3 (Eng. Abstr.) **(Fre)**

[Fractures of the head and tuberosities of the humerus: treatment of malposition (author's transl)] Kipfer M. **Nouv Presse Med** 1979 Jan 27;8(5):359–61 (Eng. Abstr.) **(Fre)**

[The treatment of fracture-dislocation of the humeral head by blind pinning (author's transl)] Geneste R, et al. **Rev Chir Orthop** 1980 Sep;66(6):383–6 (Eng. Abstr.) **(Fre)**

[Indications and technique of osteosynthesis in dislocated fractures of the humeral head in adults (author's transl)] Weise K, et al. **Langenbecks Arch Chir** 1980;351(2):91–8 (Eng. Abstr.) **(Ger)**

[Traumatic lesions of the capsula and tendons of the shoulder joint, rupture of the rotator cuff, strain fractures (author's transl)] Scheuer I, et al. **Unfallchirurgie** 1980;6(4):219–24 (Eng. Abstr.) **(Ger)**

[Fractures of the shoulder joint (author's transl)] Schwieger G, et al. **Unfallchirurgie** 1980;6(4):225–32 (Eng. Abstr.) **(Ger)**

[Proximal humerus fracture with dislocation in childhood, Transacromial percutaneous osteosynthesis using Kirschner wires] Jaschke W, et al. **Zentralbl Chir** 1981;106(9):618–21 **(Ger)**

THERAPY

Proximal humeral fractures—what price history? [editorial] **Injury** 1980 Sep;12(2):89–90

Fractures of the neck of the humerus: a review of the late results. Clifford PC. **Injury** 1980 Sep;12(2):91–5

Fractures of the upper humerus. Post M. **Orthop Clin North Am** 1980 Apr;11(2):239–52

[Posterior fracture-dislocation of the shoulder. A study of 11 cases (author's transl)] Vichard P, et al. **Rev Chir Orthop** 1981;67(1):71–7 (Eng. Abstr.) **(Fre)**

[Restorative treatment in fractures of the surgical neck of the humerus] Zorin AB. **Vestn Khir** 1981 Feb;126(2):93–6 (Eng. Abstr.) **(Rus)**

SHOULDER-HAND SYNDROME

DIAGNOSIS

Should-hand syndrome: importance of early diagnosis and treatment. Chu DS, et al. **J Am Geriatr Soc** 1981 Feb; 29(2):58–60

SHOULDER JOINT

Ankylosing spondylitis presenting as shoulder pain in an athlete. A case report. Hill JA, et al. **Am J Sports Med** 1981 Jul–Aug;9(4):262–4

Synovial osteochondromatosis of the shoulder joint. Volpin G, et al. **Am Surg** 1980 Jul;46(7):422–4

'Milwaukee shoulder'—association of microspheroids containing hydroxyapatite crystals, active collagenase, ad neutral protease with rotator cuff defects. III. Morphologic and biochemical studies of an excised synovium showing chondromatosis. Garancis JC, et al. **Arthritis Rheum** 1981 Mar;24(3):484–91

'Milwaukee shoulder'—association of microspheroids containing hydroxyapatite crystals, active collagenase, and neutral protease with rotator cuff defects. II. Synovial fluid studies. Halverson PB, et al. **Arthritis Rheum** 1981 Mar; 24(3):474–83

'Milwaukee shoulder'—association of microspheroids containing hydroxyapatite crystals, active collagenase, and neutral protease with rotator cuff defects. I. Clinical aspects. McCarty DJ, et al. **Arthritis Rheum** 1981 Mar; 24(3):464–73

The upper limb: the frozen shoulder. Kessel L, et al. **Br J Hosp Med** 1981 Apr;25(4):334, 336–7, 339

The prevention and treatment of swimmer's shoulder. Penny JN, et al. **Can J Appl Sport Sci** 1980 Sep;5(3):195–202

Ruptures of the rotator cuff. Ha'eri GB. **Can Med Assoc J** 1980 Oct 7;123(7):620–6

Clinical study comparing acupuncture, physiotherapy, injection and oral anti-inflammatory therapy in shoulder-cuff lesions. Berry H, et al. **Curr Med Res Opin** 1980;7(2):121–6

Tuberculosis of the subdeltoid bursa. A case report. Alkalay I, et al. **Isr J Med Sci** 1980 Dec;16(12):853–5

Subacromial bursitis with loose bodies as a cause of refractory painful-arc syndrome. A case report. Sahlstrand T, et al. **J Bone Joint Surg [Am]** 1980 Oct;62(7):1194–6

Shoulder joint rupture in juvenile rheumatoid arthritis producing bicipital masses and a hemorrhagic sign. Costello PB, et al. **J Rheumatol** 1980 Jul–Aug;7(4):563–6

Arthroscopic findings in the frozen shoulder. Ha'eri GB, et al. **J Rheumatol** 1981 Jan–Feb;8(1):149–52

Frozen shoulder [letter] Stodell MA, et al. **Lancet** 1981 Sep 5;2(8245):527

Arthroscopy of the shoulder. Johnson LL. **Orthop Clin North Am** 1980 Apr;11(2):197–204

Shoulder pain in patients with hemiplegia. A literature review. Griffin J, et al. **Phys Ther** 1981 Jul;61(7):1041–5

The clinical diagnosis and management of frozen shoulders. Kay NR. **Practitioner** 1981 Feb;225(1352):164–7

The painful shoulder. Flicker PL. **Primary Care** 1980 Jun; 7(2):271–85

Anti-inflammatory drugs in periarthritis of the shoulder: a double-blind, between-patient study of naproxen versus indomethacin. Duke O, et al. **Rheumatol Rehabil** 1981 Feb 1;20(1):54–9

HLA-B27 and frozen shoulder. Noy S, et al. **Tissue Antigens** 1981 Feb;17(2):251

[Necroses of the knee and shoulder joints simulating malignant tumors] Středa A. **Fysiatr Reumatol Vestn** 1981 Apr;59(2):70–5 (Eng. Abstr.) **(Cze)**

[Degenerative tendinitis of the shoulder] Grond JT. **Ned Tijdschr Geneeskd** 1981 Jan 24;125(4):129–33 **(Dut)**

[Painful movement pattern of the shoulder joint] Visser JD, et al. **Ned Tijdschr Geneeskd** 1981 Jun 27;125(26):1035–8 (Eng. Abstr.) **(Dut)**

[Rupture of the capsule of the shoulder in a case of rheumatoid polyarthritis responsible for pseudophlebitic edema of the upper limb (letter)] Delcambre B, et al. **Rev Rhum Mal Osteoartic** 1981 May;48(5):455–6 **(Fre)**

[Results of mobilization under narcosis (author's transl)] Baumgartner H, et al. **Orthopaede** 1981 May;10(3):238–41 **(Ger)**

[Tendinitis calcarea of shoulder joint (T.c.) (author's transl)] Gschwend N, et al. **Orthopaede** 1981 May;10(3):196–205 **(Ger)**

[The partition of so-called periarthritis of the shoulder (author's transl)] Welfling J. **Orthopaede** 1981 May; 10(3):187–90 **(Ger)**

[The painful frozen shoulder (author's transl)] Greinemann H. **Unfallchirurgie** 1980;6(4):239–44 (Eng. Abstr.) **(Ger)**

[Shoulder joint relief bandage in plexal paralysis] Fitzlaff G. **Z Unfallmed Berufskr** 1979;72(4):252–5 **(Ger)**

[Articular chondrocalcinosis] De Martiis M, et al. **Clin Ter** 1980 Jun 15;93(5):493–502 (Eng. Abstr.) **(Ita)**

[Capsulitis of the shoulder (frozen shoulder). Etiology, diagnosis and treatment] Lie H. **Tidsskr Nor Laegeforen** 1981 Jan 20;101(2):161–3 (Eng. Abstr.) **(Nor)**

[Symptoms and diagnosis of primary frozen shoulder] Fura M, et al. **Chir Narzadow Ruchu Ortop Pol** 1980;45(5):483–6 (Eng. Abstr.) **(Pol)**

[Classification, diagnosis and the principles of the therapy of humeroscapular periarthritis] Blagodatskiĭ MD, et al. **Ortop Travmatol Protez** 1980 Oct;(10):47–8 **(Rus)**

[Antescapular bursitis in children] Pravda VA. **Vestn Khir** 1980 Jul;125(7):97 **(Rus)**

[Therapeutic results in proximally dislocated epiphysiolysis of the humerus (author's transl)] Spiššák L, et al. **Acta Chir Orthop Traumatol Cech** 1980 Oct;47(5):438–47 (Eng. Abstr.) **(Slo)**

[Patients with shoulder joint symptoms – a medical care analysis] Sahlstrand T. **Lakartidningen** 1981 Jun 24; 78(26–27):2549–51 (Eng. Abstr.) **(Swe)**

INJURIES

'Supraspinatus slide' for rotator cuff repair. Ha'Eri GB, et al. **Int Orthop** 1980;4(3):231–4

Tears of the rotator cuff. Neviaser RJ. **Orthop Clin North Am** 1980 Apr;11(2):295–306 (5 ref.)

Lesions of the biceps and tendinitis of the shoulder. Neviaser RJ. **Orthop Clin North Am** 1980 Apr;11(2):343–8 (5 ref.)

[Surgical treatment of the cuff of rotators of the shoulder (author's transl)] Ambler M. **Acta Chir Orthop Traumatol Cech** 1980 Oct;47(5):448–56 (Eng. Abstr.) **(Cze)**

[Disorders of the shoulder joint in athletes] Novák J, et al. **Fysiatr Reumatol Vestn** 1981 Jun;59(3):126–9 (Eng. Abstr.) **(Cze)**

[Experiences with the operative treatment of rotator cuff rupture (author's transl)] Munzinger U, et al. **Orthopaede** 1981 May;10(3):230–7 **(Ger)**

[Ruptures of the rotator cuff. Results and perspectives of the retrostructure (author's transl)] Patte D, et al. **Orthopaede** 1981 May;10(3):206–15 **(Ger)**

[Traumatic lesions of the capsula and tendons of the shoulder joint, rupture of the rotator cuff, strain fractures (author's transl)] Scheuer I, et al. **Unfallchirurgie** 1980;6(4):219–24 (Eng. Abstr.) **(Ger)**

[Dynamics of the physiological indices in shoulder girdle injuries] Goriunov IuG, et al. **Sov Med** 1981;(3):97–100 **(Rus)**

INNERVATION

The ultrastructure of Ruffini and Herbst corpuscles in the articular capsule of domestic pigeon. Halata Z, et al. **Anat Rec** 1980 Dec;198(4):681–92

PATHOLOGY

Rheumatoid arthritis of the shoulder. Cruess RL. **Orthop Clin North Am** 1980 Apr;11(2):333–42 (4 ref.)

Adhesive capsulitis and the stiff and painful shoulder. Neviaser JS. **Orthop Clin North Am** 1980 Apr;11(2):327–31 (5 ref.)

[Tendinitis calcarea of shoulder joint (T.c.) (author's transl)] Gschwend N, et al. **Orthopaede** 1981 May;10(3):196–205 **(Ger)**

[Pathology of the so-called rotator cuff tendinitis] Macnab I. **Orthopaede** 1981 May;10(3):191–5 **(Ger)**

PHYSIOLOGY

Early versus delayed shoulder motion following axillary dissection: a randomized prospective study. Lotze MT, et al. **Ann Surg** 1981 Mar;193(3):288–95

Electromyographic study of shoulder joint. Ito N. **Nippon Seikeigeka Gakkai Zasshi** 1980 Nov;54(11):1529–40

PHYSIOPATHOLOGY

The hemiplegic shoulder. Jensen EM. **Scand J Rehabil Med [Suppl]** 1980;(7):113–9

[Patho-mechanics of the shoulder] Kölbel R, et al. **Aktuel Probl Chir Orthop** 1981;20:14–22 **(Ger)**

[Shoulder movements during abduction and adduction of quadriplegic patients (author's transl)] Sasaki M, et al. **Nippon Seikeigeka Gakkai Zasshi** 1980 May;54(5):431–47

(Eng. Abstr.) (Jpn)

RADIOGRAPHY

Morbidity from shoulder arthrography: etiology, incidence, and prevention. Hall FM, et al. **AJR** 1981 Jan;136(1):59–62

A 'new line' in radiology [letter] Karle A, et al. **Br J Radiol** 1981 Aug;54(644):691–3

Osteochondrosis of the shoulder joint of the horse. Nyack B, et al. **Cornell Vet** 1981 Apr;71(2):149–63

A new radiographic technique utilizing multidirectional tomography with double contrast arthrography for studying the glenoidal labrum. Franji SM, et al. **Radiol Technol** 1980 Sep–Oct;52(2):143–7

A new radiographic technique utilizing arthrotomography for studying the shoulder derangements. Franji SM, et al. **Radiol Technol** 1981 Jan–Feb;52(4):384–9

Gerontological aspects of degenerative changes of the shoulder–joint. (Radiological and clinical studies). Sillár P, et al. **ZFA (Dresden)** 1979;34(5):411–21

[Double contrast arthrography of the shoulder (author's transl)] Villers P, et al. **Ann Radiol (Paris)** 1980 Nov; 23(7):599–604 (Eng. Abstr.) (Fre)

[Clinical aspects of the radiological examination of the shoulder joint] Sahlstrand T. **Lakartidningen** 1981 Jul 8; 78(28–29):2616–9 (Eng. Abstr.) (Swe)

SURGERY

Myocutaneous flaps––clinical applications and refinements. Harii K. **Ann Plast Surg** 1980 Jun;4(6):440–56

The so–called 'periarthritis humeroscapularis'––possibilities of an operative treatment. Laumann U. **Arch Orthop Trauma Surg** 1980;97(1):27–37

An extensile exposure for subacromial derangements. Ha'eri GB, et al. **Can J Surg** 1980 Sep;23(5):458–61

UCLA anatomic total shoulder arthroplasty. Amstutz HC, et al. **Clin Orthop** 1981 Mar–Apr;(155):7–20

Prosthetic replacement of shoulder joint: preliminary communication. Kessel L, et al. **J R Soc Med** 1979 Oct; 72(10):748–52

Surgical approaches to the shoulder. Bateman JE. **Orthop Clin North Am** 1980 Apr;11(2):349–66 (16 ref.)

Total shoulder replacement arthroplasty. Ranawat CS, et al. **Orthop Clin North Am** 1980 Apr;11(2):367–73

Shoulder replacement in rheumatoid arthritis. Lettin A. **Reconstr Surg Traumatol** 1981;18:55–62

The shoulder joint in rheumatoid arthritis: synovectomy. Pahle JA. **Reconstr Surg Traumatol** 1981;18:33–47

Arthrodesis of the shoulder joint in rheumatoid arthritis. Raunio P. **Reconstr Surg Traumatol** 1981;18:48–54

[Replacement arthroplasty of the shoulder] Rozing PM. **Ned Tijdschr Geneeskd** 1980 Sep 27;124(39):1640–2 (Eng. Abstr.) (Dut)

[Experiences with the use of shoulder joint endoprosthesis] Engelbrecht E, et al. **Chirurg** 1980 Dec;51(12):794–800 (Eng. Abstr.) (Ger)

[The juxta humeral capsulotomy – technic and indications (author's transl)] Augereau B, et al. **Orthopaede** 1981 May; 10(3):242–4 (Ger)

[Double osteotomy of the shoulder joint (author's transl)] Benjamin A, et al. **Orthopaede** 1981 May;10(3):245–9 (Ger)

[Isoelastic prostheses for the shoulder] Burri C, et al. **Orthopaede** 1980 Apr;9(2):169–76 (Ger)

[Osteotomy of the scapula and the acropole prosthesis (author's transl)] Grammont PM, et al. **Orthopaede** 1981 May;10(3):219–29 (Ger)

[Resection and extension of a compressed shoulder ligament] Koechlin P, et al. **Orthopaede** 1981 May;10(3):216–8 (Ger)

[Replacement arthroplasty of the shoulder] Sledge CB. **Orthopaede** 1980 Apr;9(2):177–84 (Ger)

[Alloarthroplasty, resection–arthroplasty and arthrodesis of the shoulder–joint––indications and technic (author's transl)] Hax PM, et al. **Unfallchirurgie** 1980;6(4):245–9 (Eng. Abstr.) (Ger)

[Results of arthrodesis and arthroplasty on the shoulder joint (author's transl)] Pallesen J. **Unfallchirurgie** 1980;6(4):250–5 (Eng. Abstr.) (Ger)

[Treatment of habitual shoulder dislocation by the Valyi–Kovalkovits–Molnar method] Olszewski W, et al. **Chir Narzadow Ruchu Ortop Pol** 1980;45(5):449–51 (Eng. Abstr.) (Pol)

[Biomechanical criteria of shoulder endoprosthesis design] Rodichkin VA, et al. **Ortop Travmatol Protez** 1981; (5):19–23 (Eng. Abstr.) (Rus)

SHOWDOMYCIN see under **ANTIBIOTICS, ANTINEOPLASTIC**

SHREWS

Failure of 5–thio–D–glucose to induce antispermatogenic effects in the musk shrew, Suncus murinus L. Singh SK, et al. **Biol Reprod** 1981 Apr;24(3):655–9

ANATOMY & HISTOLOGY

A brief note on the morphological and histochemical features of the duodenal glands in 5 species of insectivore. Krause WJ. **Anat Anz** 1980;147(2):118–24

Seasonal changes in ultrastructure of brown adipose tissue in the common shrew (Sorex araneus l.). Przełęcka A. **Cell Tissue Res** 1981;214(3):623–32

Morphological studies on the nasal turbinates of the musk shrew (Suncus murinus riukiuanus). Kuramoto K, et al. **Nippon Juigaku Zasshi** 1980 Jun;42(3):377–80

Structure and innervation of the papilla incisiva (papilla palatina) of the shrew, Sorex unguiculatus. Yohro T. **Okajimas Folia Anat Jpn** 1980 Dec;57(5):321–36

GENETICS

C–banding pattern on the chromosomes of the Japanese house shrew, Suncus murinus riukiuanus, and its implication. Ando K, et al. **Experientia** 1980 Sep 15; 36(9):1040–1

Chromosome polymorphism in a population of Sorex araneus L. at Białowieża. Fedyk S. **Folia Biol (Krakow)** 1980; 28(2):83–120

Description of chromosomes in a population of Sorex araneus L. living in the Biebrza Valley. Fedyk S, et al. **Folia Biol (Krakow)** 1980;28(3):237–44

METABOLISM

Influence of parathormone on C cells, parathyroid glands, serum calcium and serum phosphate levels in the house shrew, Suncus murinus. Srivastav AK, et al. **Arch Anat Microsc Morphol Exp** 1979;68(4):227–35

Daily metabolic patterns of short–tailed shrews (Blarina) in three natural seasonal temperature regimes. Randolph JC. **J Mammal** 1980 Nov;61(4):628–38

Lead content of small mammals at a roadside site in relation to the pathways of exposure. Chmiel KM, et al. **Sci Total Environ** 1981 Feb;17(2):145–54

MICROBIOLOGY

Wild life rabies in Nigeria: experimental infection and transmission studies with the shrew (Crocidura sp.). Tomori O. **Ann Trop Med Parasitol** 1980 Apr;74(2):151–6

Occurrence of Yersinia enterocolitica in wild animals. Kaneko K, et al. **Appl Environ Microbiol** 1981 Mar; 41(3):635–8

The occurrence of salmonellae in rodent, shrew, cockroach and ant. Singh SP, et al. **Int J Zoonoses** 1980 Jun;7(1):58–61

PARASITOLOGY

A new species of Nearctopsylla Rothschild 1915 (Siphonaptera: Hystrichopsyllidae) from the southern Appalachians. Benton AH. **J Parasitol** 1980 Oct; 66(5):841–3

The occurrence of a sporozoan in the myocardium of short–tailed shrew (Blarina brevicauda). Huffman JE, et al. **J Wildl Dis** 1981 Apr;17(2):209–12

Studies on the parasite fauna of insectivora I. Paracrenosoma takikawai n. sp. from Sorex unguiculatus Dobson in Hokkaido, Japan. Kamiya H. **Jpn J Vet Res** 1980 Jul; 28(3):95–100

Mesostigmatid mites associated with the house shrew, Suncus murinus, in Rangoon, Burma. Telford SR Jr, et al. **Southeast Asian J Trop Med Public Health** 1980 Dec; 11(4):487–92

PHYSIOLOGY

Effect of vasectomy on the testis and accessory sex glands of the musk shrew, Suncus murinus L. Singh SK, et al. **Endokrinologie** 1981 Apr;77(2):137–46

SHRIMP

Microbiological quality of frozen precooked and peeled shrimp from South–East Asia and from the North Sea. Beckers HJ, et al. **Zentralbl Bakteriol [B]** 1981 Jan; 172(4–5):401–10

ANALYSIS

Nearshore dredge–spoil dumping and cadmium, copper, and zinc levels in a dermestid shrimp. Albrecht WN, et al. **Bull Environ Contam Toxicol** 1981 Feb;26(2):219–23

Ultraviolet detection procedure for liquid chromatographic determination of indole in shrimp. Chambers TL, et al. **J Assoc Off Anal Chem** 1981 May;64(3):603–6

High pressure liquid chromatographic method for indole in shrimp: development of method and collaborative study. Chambers TL, et al. **J Assoc Off Anal Chem** 1981 May; 64(3):592–602

CYTOLOGY

The syncytial nature and phagocytic activity of the branchial podocytes in the grass shrimp, Palaemonetes pugio. Doughtie DG, et al. **Tissue Cell** 1981;13(1):93–104

DRUG EFFECTS

The effect of calcium on cadmium toxicity in the freshwater amphipod, Gammarus pulex (L.). Wright DA, et al. **Arch Environ Contam Toxicol** 1981;10(3):321–8

Toxicities of eight organochlorine compounds in sediment and seawater to Crangon septemspinosa. McLeese DW, et al. **Bull Environ Contam Toxicol** 1980 Dec;25(6):921–8

ENZYMOLOGY

The inhibition of acetylcholinesterase activity in pink shrimp (Penaeus duorarum) by methyl parathion and its oxon. Schoor WP, et al. **Arch Environ Contam Toxicol** 1980; 9(5):599–605

GENETICS

Comparison of mutagen accumulation in 3 estuarine species using the salmonella/microsome activation system. Sparks TH, et al. **Mutat Res** 1981 Jun;85(3):133–9

IMMUNOLOGY

The major heat stable allergen of shrimp. Hoffman DR, et al. **Ann Allergy** 1981 Jul;47(1):17–22

METABOLISM

Uptake of PCBs from sediment by Nereis virens and Crangon septemspinosa. McLeese DW, et al. **Arch Environ Contam Toxicol** 1980;9(5):507–18

The disposition of cadmium and zinc in Pandalus montagui. Ray S, et al. **Arch Environ Contam Toxicol** 1980;9(6):675–81

Bioaccumulation and metabolism of phthalate esters by oysters, brown shrimp, and sheepshead minnows. Wofford HW, et al. **Ecotoxicol Environ Safety** 1981 Jun;5(2):202–10

Biosynthesis in vitro of homarine and pyridine carboxylic acids in marine shrimp. Netherton JC 3d, et al. **J Biol Chem** 1980 Oct 25;255(20):9549–51

Metabolic profiles of penaied shrimp: dietary lipids and ovarian maturation. Middleditch BS, et al. **J Chromatogr** 1980 Jul 25;195(3):359–68

The disposition of aromatic hydrocarbons in adult spot shrimp (Pandalus platyceros) and the formation of metabolites of naphthalene in adult and larval spot shrimp. Sanborn HR, et al. **Xenobiotica** 1980 Mar;10(3):193–200

MICROBIOLOGY

Microbiological quality of frozen shrimp and lobster tail in the retail market. Swartzentruber A, et al. **Appl Environ Microbiol** 1980 Oct;40(4):765–9

Salmonella agona isolated from fish meal and a Salmonella strain isolated from shrimps in Lebanon. Roumani BM, et al. **Zentralbl Bakteriol [B]** 1981 Jan;172(4–5):411–4

PARASITOLOGY

[New records of anisakid nematodes from Chilean marine fauna (author's transl)] George–Nascimento M, et al. **Bol Chil Parasitol** 1980 Jan–Mar;35(1–2):15–8 (Eng. Abstr.) (Spa)

PHYSIOLOGY

Lethality of permethrin, cypermethrin and fenvalerate to salmon, lobster and shrimp. McLeese DW, et al. **Bull Environ Contam Toxicol** 1980 Dec;25(6):950–5

The relationship between ambient oxygen concentration, temperature, body weight, and oxygen consumption for Mysis relicta (Malacostraca: mysidacea). Sandeman IM, et al. **Can J Zool** 1980 Jun;58(6):1032–6

SHWARTZMAN PHENOMENON

The Shwartzman reaction: a review including clinical manifestations and proposal for a univisceral or single organ third type. Mori W. **Histopathology** 1981 Mar;5(2):113–26

ETIOLOGY

Reaction following treatment of murine borreliosis and Shwartzman type reacion with borrelial sonicates. Wright DJ. **Parasite Immunol** 1980 Autumn;2(3):201–21

PATHOLOGY

A light– and electron–microscopic study of the so–called uni–visceral Shwartzman reaction. Shiga J, et al. **Acta Pathol Jpn** 1980 Sep;30(5):705–12

[Early changes in the kidney microcirculatory bed in the generalized Sanarelli–Shwartzman reaction] Val'kovich EI, et al. **Arkh Patol** 1981;43(1):12–7 (Eng. Abstr.) (Rus)

PHYSIOPATHOLOGY

Glomerular dynamics and morphologic changes in the generalized Shwartzman reaction in postpartum rats. Conger JD, et al. **J Clin Invest** 1981 May;67(5):1334–46

The lack of influence of normobaric oxygen on the generalized shwartzman reaction in the rabbit. Szczepański M, et al. **Thromb Res** 1981 Mar;21(6):623–9

SHY–DRAGER SYNDROME see under **AUTONOMIC NERVOUS SYSTEM DISEASES**

SIADH see **INAPPROPRIATE ADH SYNDROME**

SIALADENITIS see under **SALIVARY GLAND DISEASES**

SIALIC ACIDS

Density subpopulations of rabbit platelets: size, protein, and sialic acid content, and specific radioactivity changes following labeling with 35S–sulfate in vivo. Rand ML, et al. **Blood** 1981 Apr;57(4):741–6

Stability of N–acyl groups of neuraminic acid residues in 2 leads to 8 linked polymers toward methanolysis used in methylation analysis. Inoue S, et al. **FEBS Lett** 1980 Nov

17;121(1):33–6

Location of the N-acetyl-D-neuraminic acid binding site in wheat germ agglutinin. A crystallographic study at 2.8 A resolution. Wright CS. **J Mol Biol** 1980 May 5; 139(1):53–60

[Kinetics of desialylation of orosomucoid: effect on its immunochemical behavior in radial immunodiffusion and one-dimensional electroimmunodiffusion] Biou D, et al. **C R Acad Sci [D] (Paris)** 1981 Feb 16;292(7):479–84 (Eng. Abstr.) **(Fre)**

ANALYSIS

Automated test systems for the determination of deoxy sugars and 3-deoxy-D-arabinoheptulosonate-7-phosphate synthase. Rothe GM, et al. **Anal Biochem** 1980 Jul 15; 106(1):213–22

Differences in sialic acid contents of low cancer cells, high cancer cells and normal mouse lung counterparts. Vilarem MJ, et al. **Biochem Biophys Res Commun** 1981 Jan 15; 98(1):7–14

Accessibility of plasma membrane sialoglycoconjugates of Novikoff tumor cells to exogenous neuraminidase and proteases. Glenney JR Jr, et al. **Biochim Biophys Acta** 1980 July;599(2):493–504

Lipid composition and molecular species of sialic acids of a mouse cell line (JLS-V9) and its ouabain-resistant mutant. Niimura Y, et al. **Biochim Biophys Acta** 1981 Jan 26;663(1):266–78

Surface-bound sialic acid on ram and bull spermatozoa: deposition during epididymal transit and stability during washing. Holt WV. **Biol Reprod** 1980 Nov;23(4):847–57

The demonstration of sialic acid in kidney stone matrix. Melick RA, et al. **Clin Sci** 1980 Nov;59(5):401–4

Multiple forms of rat-serum alpha 1-protease inhibitor. Involvement of sialic acid in the multiplicity of three original forms. Ikehara Y, et al. **Eur J Biochem** 1981 Apr; 115(2):253–60

Plasmodium berghei: modification of sialic acid on red cells from infected mouse blood. Howard RJ, et al. **Exp Parasitol** 1981 Feb;51(1):95–103

Identification of the sialic acids from the egg jelly coat of the sea urchin Pseudocentrotus depressus (Okayama). Kamerling JP, et al. **Hoppe Seylers Z Physiol Chem** 1980 Oct;361(10):1511–6

Analytical study of microsomes and isolated subcellular membranes from rat liver. VII. Distribution of protein-bound sialic acid. Amar-Costesec A. **J Cell Biol** 1981 Apr;89(1):62–9

Isolation of epithelial cells from the corpus epididymidis and analysis for glycerylphosphorylcholine, sialic acid, and protein. Hoffmann DS, et al. **J Exp Zool** 1981 Jul; 217(1):93–102

Specific techniques for the identification of O-acylated sialic acids in colonic mucins. Culling CF, et al. **J Microsc** 1980 Aug;119(3):415–25

Metastatic potential is positively correlated with cell surface sialylation of cultured murine tumor cell lines. Yogeeswaran G, et al. **Science** 1981 Jun 26; 212(4502):1514–6

[Histochemical demonstration of sialic acid-containing compounds in the CNS of mice and goldfish by means of the mPAT ('mild' periodic acid-thionine)-method (author's transl)] Heppelmann B, et al. **Histochemistry** 1981; 70(2):199–203 (Eng. Abstr.) **(Ger)**

[A micromethod for the determination of N-acetylneuraminic acid in glycoproteins (author's transl)] Kattermann R, et al. **J Clin Chem Clin Biochem** 1981 Jan; 19(1):31–4 (Eng. Abstr.) **(Ger)**

[Content of N-acetylneuraminic acid in water-soluble and membrane fractions of various fractions from rat brain cortex] Neokesariiskiĭ AA, et al. **Biokhimiia** 1980 Oct; 45(10):1829–32 (Eng. Abstr.) **(Rus)**

[Effect of the sialic acids of mucin on its ability to increase the virulence of serotype A meningococci] Ermakova LG, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1981 Apr; (4):74–8 (Eng. Abstr.) **(Rus)**

BIOSYNTHESIS

The effect of lithium on the incorporation of 3H-glucosamine into glycopeptides and the transformation of 3H-glucosamine into sialic acid in rat brain. Edelfors S. **Acta Pharmacol Toxicol (Copenh)** 1980 Oct;47(4):259–62

Enzymic synthesis of 5-acetamido-9-azido-3,5,9-trideoxy-D-glycero-D-galact acid, a 9-azido-9-deoxy derivative of N-acetylneuraminic acid. Brossmer R, et al. **Biochem Biophys Res Commun** 1980 Oct 16;96(3):1282–9

BLOOD

Red blood cell membrane and serum sialic acid in relation to erythrocyte sedimentation rate. Levinsky H, et al. **Acta Haematol (Basel)** 1980;64(5):276–80

Sialic acid content of erythrocytes in normal individuals and patients with certain hematologic disorders. Aminoff D, et al. **Am J Hematol** 1980;9(4):381–9

The determination and localization of sialic acid in guinea-pig granulocytes. DePierre JW, et al. **Biochem J** 1980 Nov 15;192(2):543–50

Relationship of total serum sialic acid to sialylglycoprotein acute-phase reactants in malignant melanoma. Silver HK, et al. **Br J Cancer** 1980 May;41(5):745–50

Moving boundary electrophoresis and sialic acid content of normal and polycythaemic red blood cells. Streichman S, et al. **Br J Haematol** 1981 Jun;48(2):273–9

Glycoproteins and human cancer: II. Correlation between circulating level and disease status. Harvey HA, et al. **Cancer** 1981 Jan 15;47(2):324–7

Enzymatic assay of serum sialic acid. Sugahara K, et al. **Clin Chim Acta** 1980 Dec 22;108(3):493–8

Increased sialic acid in 'blocked' lymphocytes and correlation of spontaneous release with clinical state. O'Kennedy R, et al. **Eur J Cancer** 1980 Sep;16(9):1163–9

An autosomal dominant gene regulates the extent of 9-O-acetylation of murine erythrocyte sialic acids. A probable explanation for the variation in capacity to activate the human alternate complement pathway. Varki A, et al. **J Exp Med** 1980 Sep 1;152(3):532–44

Enhancement of the Yu and Ledeen gas-liquid chromatographic method for sialic acid estimation: use of methane chemical ionization mass fragmentography. Ashraf J, et al. **J Lipid Res** 1980 Nov;21(8):1137–41

A new enzymatic method for the determination of sialic acid in serum and its application for a marker of acute phase reactants. Taniuchi K, et al. **Kobe J Med Sci** 1981 Jun; 27(3):91–102

N-acetylneuraminic acid in electrophoretic fractions of serum proteins in the course of pregnancy. Domagala T, et al. **Mater Med Pol** 1979 Oct-Dec;11(4):384–7

Neuraminidase activity and free sialic acid levels in the serum of patients with acute poststreptococcal glomerulonephritis. Rodríguez-Iturbe B, et al. **N Engl J Med** 1981 Jun 18;304(25):1506–10

Improved method to determine lipid bound sialic acid in plasma or serum. Katopodis N, et al. **Res Commun Chem Pathol Pharmacol** 1980 Oct; 30(1):171–80

Specific staining of sialic acid components on sodium dodecyl sulfate polyacrylamide gel. Umezu C, et al. **Stain Technol** 1981 Mar;56(2):95–7

Significance of sialic acid and carcinoembryonic antigen as monitors of tumor burden among patients with carcinoma of the ovary. Silver HK, et al. **Surg Gynecol Obstet** 1981 Aug;153(2):209–13

Serum mucoprotein and sialic acid in enzootic bovine haematuria. Singh B, et al. **Zentralbl Veterinaermed [A]** 1980;27(8):678–81

[Studies on correlation between alterations in serum sialic acid levels and remission, metastasis, and recurrence of diseases in patients with cancer (author's transl)] Chen YQ, et al. **Chung Hua Chung Liu Tsa Chih** 1979;1(1):29–34 (Eng. Abstr.) **(Chi)**

[Detection of N-acetylneuraminic acid with long-time application of hormonal contraceptives (author's transl)] Klinger G, et al. **Zentralbl Gynaekol** 1981;103(1):36–40 (Eng. Abstr.) **(Ger)**

[Dog breeds with regard to sialic acid structure (author's transl)] Handa S. **Seikagaku** 1980;52(5):311–7 **(Jpn)**

IMMUNOLOGY

K-1 antigen content and the presence of an additional sialic acid-containing antigen among bacteremic K-1 Escherichia coli: correlation with susceptibility to opsonophagocytosis. Stevens P, et al. **Infect Immun** 1980 Sep;29(3):1055–61

ISOLATION & PURIFICATION

Elimination of 2-deoxyribose interference in the thiobarbituric acid determination of N-acetylneuraminic acid in tumor cells by pH-dependent extraction with cyclohexanone. Roboz J, et al. **Anal Biochem** 1981 Jan 15; 110(2):380–8

New chromatographic system for the rapid analysis and preparation of colostrum sialyloligosaccharides. Veh RW, et al. **J Chromatogr** 1981 Aug 7;212(3):313–22

METABOLISM

The effect of chronic lithium treatment on the sialic acid content in rat brain synaptosomes. Edelfors S. **Acta Pharmacol Toxicol (Copenh)** 1981 Jan;48(1):61–4

Nuclear magnetic resonance studies on wheat germ agglutinin-monomeric amino sugar interactions. Jordan F, et al. **Arch Biochem Biophys** 1981 Mar;207(1):81–6

Effect of sialic acid removal on human low density lipoprotein catabolism in vivo. Malmendier CL, et al. **Atherosclerosis** 1980 Oct;37(2):277–84

Cell surface sialic acid expression of lectin-resistant variant clones of B16 melanoma with altered metastasizing potential. Yogeeswaran G, et al. **Biochem Biophys Res Commun** 1980 Aug 29;95(4):1452–60

Metabolism of sialic acid in regenerating rat liver. Okamoto Y, et al. **Biochem J** 1980 Jun 15;188(3):905–11

Translocation of cytidine 5'-monophosphosialic acid across Golgi apparatus membranes. Creek KE, et al. **Biochim Biophys Acta** 1981 May 6;643(2):292–305

Neuraminidase activity and cell surface sialic acid turnover in Rous sarcoma virus transformed chick embryo fibroblasts. Myers-Robfogel MW, et al. **Cancer Biochem Biophys** 1981;5(3):141–6

A correlation between cell surface sialyltransferase, sialic acid, and glycosidase activities and the implantability of B16 murine melanoma. Dobrossy L, et al. **Cancer Res** 1981 Jun;41(6):2262–6

The degree of sialylation of ApoC-III is altered by diet. Patsch W, et al. **Diabetes** 1981 Jun;30(6):530–4

Specificities of limulin and wheat-germ agglutinin towards some derivatives of GM3 gangliosides. Maget-Dana R, et al. **Eur J Biochem** 1981;114(1):11–6

Characterization and enrichment of murine hemopoietic stem cells by fluorescence activated cell sorting. Visser JW, et al. **Exp Hematol** 1981 Jul;9(6):644–55

Basic principles of platelet metabolism. Schneider W, et al. **Haematologica (Pavia)** 1980 Aug;65(4):488–97

Effect of streptozotocin diabetes on sialic acid content and glycoprotein binding of isolated hepatocytes. Durand G, et al. **Horm Metab Res** 1980;12(6):247–51

The site of incorporation of sialic acid residues into glycoproteins and the subsequent fates of these molecules in various rat and mouse cell types as shown by radioautography after injection of [3H]N-acetylmannosamine. II. Observations in tissues other than liver. Bennett G, et al. **J Cell Biol** 1981 Jan; 88(1):16–28

The site of incorporation of sialic acid residues into glycoproteins and the subsequent fates of these molecules in various rat and mouse cell types as shown by radioautography after injection of [3H]N-acetylmannosamine. I. Observations in hepatocytes. Bennett G, et al. **J Cell Biol** 1981 Jan;88(1):1–15

Lectin receptors as markers for Trypanosoma cruzi. Developmental stages and a study of the interaction of wheat germ agglutinin with sialic acid residues on epimastigote cells. Pereira ME, et al. **J Exp Med** 1980 Nov 1;152(5):1375–92

The role of sialic acid in the functional activity and the hepatic clearance of C1-INH. Minta JO. **J Immunol** 1981 Jan;126(1):245–9

Sialic acid content of serum, urine and leukocytes during pregnancy in the bonnet monkey (Macaca radiata). Rajan R, et al. **J Med Primatol** 1980;9(6):361–7

Turnover of free sialic acid, CMP-sialic acid, and bound sialic acid in rat brain. Ferwerda W, et al. **J Neurochem** 1981 Apr;36(4):1492–9

Sialic acid containing substrates as intracellular calcium receptors involved in transmitter release. Simonneau M, et al. **J Physiol (Paris)** 1980 Sep;76(5):427–33

Cell surface changes in human normal and abnormal lymphoid cells detected by sialic acid content and sialyltransferase activity. Steimer F, et al. **Leuk Res** 1980; 4(2):265–9

The metabolism of sialic acid in cystic fibrosis. Ben-Yoseph Y, et al. **Pediatr Res** 1981 May;15(5):839–42

Sendai virus utilizes specific sialyloligosaccharides as host cell receptor determinants. Markwell MA, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):5693–7

Correlation between spontaneous metastatic potential, platelet-aggregating activity of cell surface extracts, and cell surface sialylation in 10 metastatic-variant derivatives of a rat renal sarcoma cell line. Pearlstein E, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):4336–9

[1H-NMR-spectroscopic evidence for the release of N-acetyl-alpha-D-neuraminic acid as the first product of neuraminidase action (author's transl)] Friebolin H, et al. **Hoppe Seylers Z Physiol Chem** 1980 May;361(5):697–702 (Eng. Abstr.) **(Ger)**

[Electrolye shifts during the radiation therapy of breast cancer] Frenkel' LA, et al. **Vopr Onkol** 1981;27(1):108–9 **(Rus)**

PHARMACODYNAMICS

Suppression of the intravascular adherence of granulocytes by N-acetyl neuraminic (sialic) acid. Görög P, et al. **Br J Exp Pathol** 1980 Oct;61(5):490–6

Mediator-induced macrophage activation, as shown by enhanced cytotoxicity for tumor, requires macrophage surface fucose and sialic acid. Churchill WH, et al. **Cell Immunol** 1980 Oct;55(2):490–8

Identical behavior of fibrinogen and asialo-fibrinogen in reactions with platelets during ADP-induced aggregation. Harfenist EJ, et al. **Thromb Res** 1980 Nov 1;20(3):353–8

PHYSIOLOGY

Sialic acid: regulation of electrogenesis in cultured heart cells. Nathan RD, et al. **Am J Physiol** 1980 Nov;239(5):C197–207

Platelet sialic acid and platelet survival after aggregation by ADP. Packham MA, et al. **Blood** 1980 Nov;56(5):876–80

Latex phagocytosis by polymorphonuclear leukocytes: role of sialic acid groups. Beukers H, et al. **Chem Biol Interact** 1980 Dec;33(1):91–100

The role of membrane sialyl and galactosyl residues in regulation of the life-time of rabbit erythrocytes. Pfannschmidt G, et al. **Hoppe Seylers Z Physiol Chem** 1980 Nov;361(11):1683–95

Asialo platelets enhance thrombopoiesis. Karpatkin S, et al. **Trans Assoc Am Physicians** 1980;93:244–50

Polyoma virus recognizes specific sialyligosaccharide receptors on host cells. Fried H, et al. **Virology** 1981 Feb; 109(1):188–92

URINE

Urinary sialic acid levels in aspartylglycosaminuria. Maury CP. **Clin Chim Acta** 1981 Jan 22;109(2):219–23

SIALIDASE see **NEURAMINIDASE**

SIALOGLYCOPEPTIDES see SIALOGLYCOPROTEINS

SIALOGLYCOPROTEIN GP-350 see under SIALOGLYCOPROTEINS

SIALOGLYCOPROTEINS

Structure of a complex-type sugar chain of human glycophorin A. Irimura T, et al. **Biochemistry** 1981 Feb 3;20(3):560–6

Translational mobility of glycophorin in bilayer membranes of dimyristoylphosphatidylcholine. Vaz WL, et al. **Biochemistry** 1981 Mar 3;20(5):1392–6

The glycophorin–phospholipid interface in recombined systems. A 31P-nuclear magnetic resonance study. Yeagle PL, et al. **Biophys J** 1981 Feb;33(2):243–52

Headgroup oligosaccharide dynamics of a transmembrane glycoprotein. Lee PM, et al. **Can J Biochem** 1980 Oct; 58(10):1197–205

Conformational calculations of the N-terminal hydrophilic segment of human erythrocyte glycophorin. Stibenz D, et al. **Folia Haematol (Leipz)** 1980;107(5):787–92

Chemical and carbon-13 nuclear magnetic resonance studies of the blood group M and N active sialoglycopeptides from human glycophorin A. Prohaska R, et al. **J Biol Chem** 1981 Jun 10;256(11):5781–91

Structures of the asparagine-linked sugar chains of glycophorin A. Yoshima H, et al. **J Biol Chem** 1980 Oct 25;255(20):9713–8

Endocytosis of asialoglycoprotein–enzyme conjugates by hepatocytes. Stockert RJ, et al. **Lab Invest** 1980 Dec; 43(6):556–63

The blood group MNSs-active sialoglycoproteins. Anstee DJ. **Semin Hematol** 1981 Jan;18(1):13–31 (132 ref.)

ANALYSIS

Morphological characterization of the erythrocyte membrane related to myxovirus receptors. Bächi I. **Acta Histochem [Suppl] (Jena)** 1980;22:291–7

An adaptation of the sodium periodate/sodium borotritide labeling procedure which allows the unambiguous identification of synaptic sialoglycoproteins. Cruz TF, et al. **Anal Biochem** 1980 Oct;108(1):139–45

Accessibility of plasma membrane sialoglycoconjugates of Novikoff tumor cells to exogenous neuraminidase and proteases. Glenney JR Jr, et al. **Biochim Biophys Acta** 1980 July;599(2):493–504

Plasmodium berghei: modification of sialic acid on red cells from infected mouse blood. Howard RJ, et al. **Exp Parasitol** 1981 Feb;51(1):95–103

An improved colloidal iron stain for glomerular sialoproteins. Laitinen L, et al. **Histochemistry** 1980;69(2):203–9

Amino acid sequence and attachment sites of oligosaccharide units of porcine erythrocyte glycophorin. Honma K, et al. **J Biochem (Tokyo)** 1980 Dec;88(6):1679–91

Structures of O-glycosidically linked carbohydrate units of herring egg sialoglycoprotein. Iwasaki M, et al. **J Biochem (Tokyo)** 1981 Apr;89(4):1067–74

Topography of sialoglycoproteins and sialyltransferases in mouse and rat liver Golgi. Carey DJ, et al. **J Biol Chem** 1981 Jan 25;256(2):989–93

Analytical study of microsomes and isolated subcellular membranes from rat liver. VII. Distribution of protein-bound sialic acid. Amar-Costesec A. **J Cell Biol** 1981 Apr;89(1):62–9

BIOSYNTHESIS

Lymphokine production by human milk lymphocytes. Keller MA, et al. **Infect Immun** 1981 May;32(2):632–6

Biosynthesis of the major human red cell sialoglycoprotein, glycophorin A. A review. Gahmberg CG, et al. **Rev Fr Transfus Immunohematol** 1981 Feb;24(1):53–73 (72 ref.)

BLOOD

Highly blood group M- and N-active sialoglyco-penta-, hexa- and hepta-peptides (SGPs) from human erythrocytes. Springer GF, et al. **Acta Haematol Pol** 1980 Apr–Jun;11(2):107–11

A minor sialoglycoprotein of the human erythrocyte membrane. Owens JW, et al. **Arch Biochem Biophys** 1980 Oct 1;204(1):247–54

Relationship of total serum sialic acid to sialylglycoprotein acute-phase reactants in malignant melanoma. Silver HK, et al. **Br J Cancer** 1980 May;41(5):745–50

Amino acid sequence of the blood group Mg-specific major human erythrocyte membrane sialoglycoprotein. Dahr W, et al. **Hoppe Seylers Z Physiol Chem** 1981 Jan;362(1):81–5

The amino acid sequence of the Mc-specific major red cell membrane sialoglycoprotein--an intermediate of the blood group M- and N-active molecules. Dahr W, et al. **Hoppe Seylers Z Physiol Chem** 1981 Mar;362(3):363–6

Abnormal preponderance of sialylated apolipoprotein CIII in triglyceride rich lipoproteins in type V hyperlipoproteinemia. Kashyap ML, et al. **Metabolism** 1981 Feb;30(2):111–8

Blood group MNSs-active sialoglycoproteins of the human erythrocyte membrane. Anstee DJ. **Prog Clin Biol Res** 1980;43:67–98 (113 ref.)

GENETICS

Cell-free synthesis and glycosylation of the major human-red-cell sialoglycoprotein, glycophorin A. Jokinen M, et al. **Eur J Biochem** 1981 Feb;114(2):393–7

Immunochemical evidence for hybrid sialoglycoproteins of human erythrocytes. Mawby WJ, et al. **Nature** 1981 May 14;291(5811):161–2

Amino acid and carbohydrate structural variants of glycoprotein products (M-N glycoproteins) of the M-N allelic locus. Blumenfeld OO, et al. **Proc Natl Acad Sci USA** 1981 Feb;78(2):747–51

Mg and Mc: mutations within the amino-terminal region of glycophorin A. Furthmayr H, et al. **Proc Natl Acad Sci USA** 1981 Jan;78(1):631–5

Another individual (J.R.) whose red blood cells appear to carry a hybrid MNSs sialoglycoprotein. Langley JW, et al. **Transfusion** 1981 Jan–Feb;21(1):15–24

IMMUNOLOGY

Different cell-surface receptor determinants of antigenically similar influenza virus hemagglutinins. Carroll SM, et al. **J Biol Chem** 1981 Aug 25;256(16):8357–63

Immunochemical properties of Mg erythrocytes. Dahr W, et al. **J Immunogenet** 1981 Apr;8(2):79–87

ISOLATION & PURIFICATION

Purification, radioimmunoassay, and immunohistochemical localization of a glycoprotein produced by the rat epididymis. Faye JC, et al. **Biol Reprod** 1980 Sep; 23(2):423–32

Purification and biochemical characterization of a mouse submandibular sialomucin. Denny PA, et al. **Carbohydr Res** 1980 Dec 15;87(2):265–74

Desialylation of choriogonadotropin and human follitropin during isoelectric focusing. Grodecka B. **Endokrynol Pol** 1980 May–Jun;31(3):197–208

Sialoglycoproteins from the eggs of Pacific herring. Isolation and characterization. Inoue S, et al. **Eur J Biochem** 1980 Oct;111(1):131–5

Isolation of anionic sialoproteins from the rat glomerulus. Nevins TE, et al. **Kidney Int** 1981 Apr;19(4):553–63

METABOLISM

Shedding of the major plasma membrane sialoglycoprotein from the surface of 13762 rat ascites mammary adenocarcinoma cells. Howard SC, et al. **Arch Biochem Biophys** 1981 Mar;207(1):40–50

Phospholipid vesicle formation and transmembrane protein incorporation using octyl glucoside. Mimms LT, et al. **Biochemistry** 1981 Feb 17;20(4):833–40

Incorporation of the transmembrane hydrophobic domain of glycophorin into small unilamellar phospholipid vesicles. Ion flux studies. Romans AY, et al. **Biochim Biophys Acta** 1981 Mar 20;642(1):135–48

Isolation of binding sites to glycophorin from Mycoplasma pneumoniae membranes. Banai M, et al. **Infect Immun** 1980 Dec;30(3):628–34

Interaction of Mycoplasma gallisepticum with sialyl glycoproteins. Glasgow LR, et al. **Infect Immun** 1980 Nov; 30(2):353–61

Expression of red cell membrane proteins in erythroid precursor cells. Yurchenco PD, et al. **J Supramol Struct** 1980;13(2):255–69

Expression of cell-surface HLA-DR, HLA-ABC and glycophorin during erythroid differentiation. Robinson J, et al. **Nature** 1981 Jan 1;289(5793):68–71

Positive cooperativity in a (dissected) lectin–membrane glycoprotein binding event. Ketis NV, et al. **Proc Natl Acad Sci USA** 1980 Jul;77(7):3788–90

Influence of influenza and Sendai virus on the rotational mobility of Band 3 proteins in human erythrocyte membranes. Nigg EA, et al. **Virology** 1980 Dec; 107(2):552–6

PHARMACODYNAMICS

Membrane sialoglycoprotein from human erythrocytes activates lysosomal proteinases. Böhmer FD, et al. **Acta Biol Med Ger** 1979;38(11–12):1521–6

Polyanionic character of plasma membrane sialoglycoproteins. Bonfils C, et al. **FEBS Lett** 1981 Jan 26;123(2):222–4

An auto-anti-Ena, inhibitable by MN sialoglycoprotein. Pavone BG, et al. **Transfusion** 1981 Jan–Feb;21(1):25–31

URINE

Further characterization of a melanoma-specific protein from human urine. Bennett C, et al. **Br J Cancer** 1980 May; 41(5):734–44

Isolation and characteristics of human urinary sialoglycoproteins. Berggård I, et al. **Eur J Biochem** 1981 Mar 16;115(1):183–8

SIALOGRAPHY

Computed tomography and sialography: 1. Normal anatomy. Carter BL, et al. **J Comput Assist Tomogr** 1981 Feb; 5(1):42–5

Computed tomography and sialography: 2. Pathology. Carter BL, et al. **J Comput Assist Tomogr** 1981 Feb;5(1):46–53

Sublingual sialography. Wackens G, et al. **Oral Surg** 1980 Oct;50(4):382–3

Classification and differential diagnosis of sialographic characteristics in Sjögren syndrome. Dijkstra PF. **Semin Arthritis Rheum** 1980 Aug;10(1):10–7 (21 ref.)

[Results of sialography (author's transl)] Peters PE, et al. **Roentgenblaetter** 1981 Mar;34(3):113–20 (Eng. Abstr.) **(Ger)**

METHODS

Parotid CT sialography. Stone DN, et al. **Radiology** 1981 Feb;138(2):393–7

[Evaluation of sialography with an aqueous solution of an organo-iodine compound] Wu YT. **Chung Hua Kou Chiang Ko Tsa Chih** 1980 Dec;15(4):193–7 **(Chi)**

[An extension of Seldinger's technique : sialography (author's transl)] Rivoal A, et al. **J Radiol** 1980 Oct;61(10):629–30 **(Fre)**

[Parotid xerosialographic features] Ruffato C, et al. **Radiol Med (Torino)** 1979 Sep;65(9):645–6 **(Ita)**

SIALOLITHIASIS see SALIVARY DUCT CALCULI

SIALOPROTEINS see SIALOGLYCOPROTEINS

SIALORRHEA

COMPLICATIONS

Drooling in children with cerebral palsy. Van De Heyning PH, et al. **Acta Otorhinolaryngol Belg** 1980;34(6):691–705

DIAGNOSIS

[Sialorrhea in pregnancy] Strehl C, et al. **Wiad Lek** 1980 Oct 15;33(20):1677–9 (Eng. Abstr.) **(Pol)**

METABOLISM

[Mechanism of the changes in the electrolyte and biologically active amine content in neurogenic hypo- and hypersalivation in cats] Stebakov VA. **Stomatologiia (Mosk)** 1980 Nov–Dec;59(6):11–3 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Drool control: long-term follow-up. Rapp D. **Dev Med Child Neurol** 1980 Aug;22(4):448–53

SURGERY

The surgical treatment of drooling in healthy children. Talmon Y, et al. **Int J Pediatr Otorhinolaryngol** 1981 Jan; 3(1):55–61

[A surgical treatment for drooling in cerebral palsy] Rosenberg B, et al. **Harefuah** 1980 Oct 1;99(7):156–8 (Eng. Abstr.) **(Heb)**

THERAPY

Lip halter: an aid in drool control. Nelson EC, et al. **Phys Ther** 1981 Mar;61(3):361–2

VETERINARY

Parotid gland enlargement and hypersialosis in a dog. Harvey CE. **J Small Anim Pract** 1981 Jan;22(1):19–25

SIALYLTRANSFERASES see under TRANSFERASES

SIBIROMYCIN see under ANTIBIOTICS, ANTINEOPLASTIC

SIBLING RELATIONS

The sibling and psychotherapy: a review with clinical examples. Holmes J. **Br J Med Psychol** 1980 Dec; 53(4):297–305

Experiential influences on the development of huddling preferences and 'sibling' recognition in spiny mice. Porter RH, et al. **Dev Psychobiol** 1981 Jul;14(4):375–82

Sibling classes promote family bonding. Bliss J. **Dimens Health Serv** 1980 Nov;57(11):30–1

In pursuit of sisterhood: adult siblings as a resource for combined individual and family therapy. Kahn MD, et al. **Fam Process** 1981 Mar;20(1):85–95

Correlations between relatives with respect to dermatoglyphic patterns on specific fingertips. II. Sib-sib correlations. Bener A, et al. **Hum Biol** 1980 Dec; 52(4):765–72

The reaction of first-born children to the birth of a sibling: mothers' reports. Dunn J, et al. **J Child Psychol Psychiatry** 1981 Jan;22(1):1–18

Sibling incest aversion as an index of oedipal conflict. Arndt WB Jr, et al. **J Pers Assess** 1981 Feb;45(1):52–8

Sib competition can favour sex in two ways. Young JP. **J Theor Biol** 1981 Feb 21;88(4):755–6

Genetic control for sibling recognition? Blaustein AR, et al. **Nature** 1981 Mar 19;290(5803):246–8

Freudian siblings. Bank S, et al. **Psychoanal Rev** 1980 Winter; 67(4):493–504

Siblings of twins. Bernstein BA. **Psychoanal Study Child** 1980; 35:135–54

SICK ROLE

see related
ATTITUDE TO HEALTH

The sick role and aesculapian authority. Osmond H, et al. **Ala J Med Sci** 1980 Apr;17(2):197–201

Inextricable interaction: social, psychologic, and biologic stresses facing the elderly. Goodstein RK. **Am J Orthopsychiatry** 1981 Apr;51(2):219–29

Beliefs vs. data: more on the illness behavior of men and women. Glove WR, et al. **Am Sociol Rev** 1981 Feb; 46(1):123–8

Sex differences in health status: a reexamination of the nurturant role hypothesis. Marcus AC, et al. **Am Sociol Rev** 1981 Feb;46(1):119–23

Abnormal treatment behaviour. Singh B, et al. **Br J Med Psychol** 1981 Mar;54(Pt 1):67–73

Hypochondriasis and tendency to adopt the sick role as moderators of the relationship between life–events and somatic symptomatology. Stone AA, et al. **Br J Med Psychol** 1981 Mar;54(Pt 1):75–81

Social factors influencing absenteeism due to illness in nursery school children. Pennebaker JW, et al. **Child Dev** 1981 Jun;52(2):692–700

An exploration of the dimensions of illness behavior. Demers RY, et al. **J Fam Pract** 1980 Dec;11(7):1085–92

Sex differences in reports of illness and disability: a preliminary test of the 'fixed role obligations' hypothesis. Marcus AC, et al. **J Health Soc Behav** 1981 Jun; 22(2):174–82

Comments on 'Toward a Reconstruction of Medical Morality: The Primacy of the Act of Profession and the Fact of Illness' by Dr. Edmund Pellegrino. Dickman RL. **J Med Philos** 1980 Sep;5(3):200–7

The long–term outcome of psychiatric morbidity detected in general medical patients. Hawton K. **J Psychosom Res** 1981;25(3):237–43

The 'iceberg' of illness and 'trivial' consultations. Hannay DR. **J R Coll Gen Pract** 1980 Sep;30(218):551–4

Minor ailments and illness behavior among physicians. Cockerham WC, et al. **Med Care** 1980 Feb;18(2):164–73

On the perceived meaning of symptoms. Jones RA, et al. **Med Care** 1981 Jul;19(7):710–7

Long term sickness certification problems. Schwarz MH. **Med Leg J** 1981;49(Pt 2):37–41

Illness behavior and chronic headache. Demjen S, et al. **Pain** 1981 Apr;10(2):221–9

Behavioral observation and analysis of pain behavior in critically burned patients. Klein RM, et al. **Pain** 1980 Aug; 9(1):27–40

Illness behaviour profiles in chronic pain: the Auckland experience. Large RG, et al. **Pain** 1981 Apr;10(2):231–9

Chronic illness behavior in psychiatric patients: an attempt at behavioral validation. Winstead DK, et al. **Psychosom Med** 1980 Mar;42(2):271–7

Feeling sick: the experience and legitimation of illness. Telles JL, et al. **Soc Sci Med [a]** 1981 May;15A(3):243–51

Personality differences between sick and rarely sick individuals. Burchfield SR, et al. **Soc Sci Med [E]** 1981 May;15E(2):145–8

Acute illness behavior: a conceptual exploration and specification. Alonzo AA. **Soc Sci Med [Med Psychol Med Sociol]** 1980 Dec; 14A(6):515–26

Choosing among therapies: illness behavior in the Ivory Coast. Lasker JN. **Soc Sci Med [Med Psychol Med Sociol]** 1981 Mar; 15A(2):157–68

[Unable to work = 'sick'?] Faust–Kübler E. **Fortschr Med** 1981 May 28;99(20):751–3 **(Ger)**

[Concepts of health and illness as the basics in physician care and education as well as medical science and research] Pauli HG. **Fortschr Med** 1981 Jan 22;99(3):43–4, 72 **(Ger)**

[The gout patient and his illness role] Klussmann R. **Med Klin** 1981 Jan 30;76(3):78–82 (Eng. Abstr.) **(Ger)**

[The influence of subjective complaints on achievement and emotional perception in old age] McDonald RJ, et al. **Z Gerontol** 1980 Jul–Aug;15(4):346–58 (Eng. Abstr.) **(Ger)**

[The phenomenology of health and the consequences for the physician] Tellenbach H. **Z Klin Psychol Psychother** 1980; 28(1):57–67 (Eng. Abstr.) **(Ger)**

[Psychic hospitalism in patients confined to bed for long periods of time in the septic ward for posttraumatic osteomyelitis] Jenny G. **Z Plast Chir** 1980 Dec;4(4):234–8 (Eng. Abstr.) **(Ger)**

[The social role of disease. Critical evaluation of the limits of the disease state causing general discomfort, social deviation and moral deficiency––from a psychiatric viewpoint] Magnussen F, et al. **Tidsskr Nor Laegeforen** 1980 Sep 10;100(25):1506–10 **(Nor)**

SICK SINUS SYNDROME

Sick sinus syndrome. Bigger JT Jr, et al. **Annu Rev Med** 1979;30:91–118 (150 ref.)

Sick sinus syndrome [letter] Shaw DB. **Circulation** 1980 Nov; 62(5):1144

Tooth extractions and sick sinus syndrome. Yoshimura Y, et al. **Int J Oral Surg** 1980 Jun;9(3):180–9

CHEMICALLY INDUCED

Sinus node dysfunction caused by methyldopa and digoxin. Davis JC, et al. **JAMA** 1981 Mar 27;245(12):1241–3

COMPLICATIONS

Coexistence of sick sinus rhythm and atrial flutter–fibrillation. Gomes JA, et al. **Circulation** 1981 Jan;63(1):80–6

Reversible sick sinus syndrome with junctional and ventricular escape and fusion beats in a case of tuberculous meningitis. Chandra R, et al. **Indian Heart J** 1981 Jan–Feb; 33(1):37–9

A case of myotonic dystrophy associated with sick sinus syndrome. Atarashi H, et al. **Jpn Circ J** 1981 Jul;45(7):763–8

Sick sinus syndrome and AV node re–entry. Tornos P, et al. **PACE** 1979 May;2(3):325–9

[Sick sinus syndrome associated with atrio–ventricular block (author's transl)] Sun RL. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1979; 7(3):232–3 **(Chi)**

DIAGNOSIS

Sick sinus syndrome in childhood. Ector H, et al. **Br Heart J** 1980 Dec;44(6):684–91

Sick sinus syndrome: mechanisms and management. Gaffney BJ, et al. **Cardiovasc Clin** 1980;11(1):7–25 (97 ref.)

A study of escape–capture bigeminy. Dubb A. **Heart Lung** 1980 Nov–Dec;9(6):1087–8

The sick sinus syndrome. Ferrer MI. **Hosp Pract** 1980 Nov; 15(11):79–89

Sick sinus syndrome. Havelda CJ. **J Ky Med Assoc** 1980 Nov;78(11):669–77

Sick sinus syndrome: current views. Part II. Chung EK. **Mod Concepts Cardiovasc Dis** 1980 Dec;49(12):67–70

Diagnostic implications of atrial vulnerability. Engel TR, et al. **PACE** 1979 Mar;2(2):208–14

[A reevaluation of the clinical significance of atropine test in the diagnosis of sick sinus syndrome (author's transl)] Shi GG. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1979; 7(3):198–201 (Eng. Abstr.) **(Chi)**

[Determination of sinuatrial conduction time in hospital] Griebenow R, et al. **Dtsch Med Wochenschr** 1981 Feb 27; 106(9):273–5 **(Ger)**

[Diagnostic transesophageal atrial stimulation for sinus node function testing. II. Results in patients with and without sinus node syndrome] Volkmann H, et al. **Z Gesamte Inn Med** 1981 Feb 15;36(4):93–102 (53 ref.) (Eng. Abstr.) **(Ger)**

[Sinus arrhythmia in sick sinus syndrome] Oreto G, et al. **Boll Soc Ital Cardiol** 1979;24(11):1252 **(Ita)**

[Reliability of calculation of sino–atrial conduction time (SACT) with the modified Narula technic] Raviele A, et al. **Boll Soc Ital Cardiol** 1979;24(11):1228 **(Ita)**

[Diagnostic value of the continuous electrocardiographic monitoring (Holter) and of the electrophysiologic testings in patients with sino–atrial node dysfunction (author's transl)] Masini G, et al. **G Ital Cardiol** 1979;9(10):1126–30 (Eng. Abstr.) **(Ita)**

[Modern methods of evaluation of sinus node function by means of endocardiac electrophysiological study] Mobilij A, et al. **Minerva Med** 1980 Aug 25;71(30):2145–50 (Eng. Abstr.) **(Ita)**

[Educational lecture on clinical aspects of bradyarrhythmia––sick sinus syndrome and A–V block (author's transl)] Hashiba K. **Nippon Naika Gakkai Zasshi** 1980 Sep 10;69(9):1063–7 **(Jpn)**

[The sick sinus syndrome––an ever–present diagnostic and therapeutic problem] Markiewicz M, et al. **Pol Arch Med Wewn** 1981;65(5):357–66 **(Pol)**

[The sick sinus syndrome (sick sino–atrial node syndrome, lazy sinus node syndrome, atrial rhythmic disease)] Vintilă M. **Rev Med Interna [Med Interna]** 1980 Sep–Oct; 32(5):409–16 **(Rum)**

[Sick sinus syndrome in children] Kuberger MB, et al. **Kardiologiia** 1981;21(1):98–100 **(Rus)**

[Clinical aspects of the sick sinus syndrome] Panchenko VM, et al. **Kardiologiia** 1980 Oct;20(10):61–4 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Hydralazine in the management of symptomatic sinus bradycardia. Weiss AT, et al. **Eur J Cardiol** 1981; 12(5):261–70

[Digoxin and sinus node function in the sick–sinus syndrome (author's transl)] Lauten A. **Z Kardiol** 1981 Mar; 70(3):176–80 (Eng. Abstr.) **(Ger)**

[The electrophysiological effects of digitalis in sinus node dysfunction] Bolognesi R, et al. **Boll Soc Ital Cardiol** 1978; 23(11):1933–9 (Eng. Abstr.) **(Ita)**

ETIOLOGY

Sick sinus syndrome with seroconstrictive pericarditis in malignant lymphoma involving the heart: a case report. Donnelly MS, et al. **Med Pediatr Oncol** 1981;9(3):273–7

[The sick sinus syndrome. What causes it?] Lüderitz B. **Fortschr Med** 1981 Apr 23;99(16):597–602 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

Sinuatrial disease in young people. Mackintosh AF. **Br Heart J** 1981 Jan;45(1):62–6

Heart–hand syndrome. III. A new syndrome in three generations. Ruiz de la Fuente S, et al. **Hum Genet** 1980; 55(1):43–7

PHYSIOPATHOLOGY

Sinus node recovery time in patients with complete atrioventricular block. Rakovec P. **Cardiology** 1981; 67(1):31–7

Automaticity of subsidiary pacemakers of patients with dysfunction of the sinus node. Lien WP, et al. **Chest** 1980 Nov;78(5):747–52

Heat rate responses in patients with sinus node disease compared to controls: physiological implications and diagnostic possibilities. Vallin HO, et al. **Clin Cardiol** 1980 Dec;3(6):391–8

Direct Wenckebach periods in the left bundle branch during bradycardia–dependent left bundle branch block in a patient with sick sinus syndrome. Izumi K. **J Electrocardiol** 1980;13(3):291–6

[The modality of the sinus responses to programmed atrial stimulation in sino–atrial dysfunctions. Definition of the bradycardia–tachycardia syndrome] Franchi F, et al. **Minerva Cardioangiol** 1980 Jun;28(6):413–8 (Eng. Abstr.) **(Ita)**

[Sick sinus syndrome. Clinical and electrophysiological study] Piwowarska W. **Pol Tyg Lek** 1980 Sep 1; 35(35):1357–60 **(Pol)**

SURGERY

[ECG quiz no. 17. What is your diagnosis?] Mahaim C. **Praxis** 1981 Jun 23;70(26):1167–9 **(Fre)**

THERAPY

Clinical experience with permanent atrioventricular sequential pacing. Curtis JJ, et al. **Ann Thorac Surg** 1981 Aug;32(2):179–87

Symptomatic sinus node disease: natural history after permanent ventricular pacing. Simon AB, et al. **PACE** 1979 May;2(3):305–14

Improved technique in permanent atrial pacing. Minale C, et al. **Thorac Cardiovasc Surg** 1980 Dec;28(6):433–5

[The secondary pauses in sinus node dysfunction] Lintner W, et al. **Boll Soc Ital Cardiol** 1979;24(6):693–4 **(Ita)**

[The permanent electrostimulation with ventricular programmable pacemaker (author's transl)] Greco EM, et al. **G Ital Cardiol** 1981;11(1):84–93 (Eng. Abstr.) **(Ita)**

[Atrial demand pacemaker and radio–frequency system in the treatment of brady–tachy syndrome and of recurrent supraventricular tachycardia refractory to drug therapy. Methods and results in eight cases (author's transl)] Pistolese M, et al. **G Ital Cardiol** 1980;10(1):37–47 (Eng. Abstr.) **(Ita)**

[Permanent endocardiac atrial pacing and sensing. Preliminary experience with screwing catheters] Santini M, et al. **G Ital Cardiol** 1980;10(1):24–31 (Eng. Abstr.) **(Ita)**

[The sick sinus syndrome. Our experience with permanent electrostimulation] Di Jorio C, et al. **Minerva Med** 1980 Aug 25;71(30):2135–9 (Eng. Abstr.) **(Ita)**

[Permanent atrial pacemaker implantation in children with sick sinus syndrome––3 clinical experience (author's transl)] Kito Y, et al. **Nippon Kyobu Geka Gakkai Zasshi** 1980 Dec; 28(12):1901–7 (Eng. Abstr.) **(Jpn)**

[Electrical stimulation of the heart in the sick sinus syndrome] Grigorov SS, et al. **Kardiologiia** 1980 Oct;20(10):31–5 (Eng. Abstr.) **(Rus)**

SICKLE CELL TRAIT see under **ANEMIA, SICKLE CELL**

SID see **SUDDEN INFANT DEATH**

SIDEROPHILIN see **TRANSFERRIN**

SIDEROSIS

see related
HEMOSIDEROSIS

DRUG THERAPY

Desferrioxamine in ocular siderosis: a long–term electrophysiological evaluation. Declercq SS. **Br J Ophthalmol** 1980 Aug;64(8):626–9

Iron chelation with oral desferrioxamine [letter] Jacobs A, et al. **Lancet** 1980 Oct 11;2(8198):794

ETIOLOGY

Siderosis and subarachnoid hemorrhage [letter] **Arch Neurol** 1981 Jan;38(1):66–7

Generalised siderosis from an iris foreign body. Kearns M, et al. **Aust J Ophthalmol** 1980 Nov;8(4):311–3

The Montgomery Lecture, 1979. Ocular metallosis. Neubauer H. **Trans Ophthalmol Soc UK** 1979;99(4):502–10

[Epibulbar siderosis caused by iron tablets] Salminen L, et al. **Duodecim** 1981;97(5):262–5 (Eng. Abstr.) **(Fin)**

[Renal siderosis in cardiac hemolysis] Tószegi A, et al. **Morphol Igazsagugyi Orv Sz** 1981 Jul;21(3):224–31 (Eng. Abstr.) **(Hun)**

[Clinical aspects of ocular siderosis] Krawczuk–Hermanowicz O, et al. **Pol Tyg Lek** 1980 Aug 11;35(32):1229–30 (Eng. Abstr.) **(Pol)**

FAMILIAL & GENETIC

[Demonstration by iron overloading study and HLA genotyping of recessive transmission of idiopathic haemochromatosis in two pseudodominant pedigrees (author's transl)] Simon M, et al. **Nouv Presse Med** 1979 Feb 3;8(6):421–4 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Experimental siderosis of articular chondrocytes cultured in vitro. Choi YC, et al. **Arthritis Rheum** 1981 Jun; 24(6):809–23

[Experimental siderosis of the cornea--an electron microscopic study (author's transl)] Tanaka M. **Nippon Ganka Gakkai Zasshi** 1980 Sep 10;84(9):1262–71 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

[Corneal yellow reflex in siderosis bulbi under the hydrogonioscope (author's transl)] Huang SC. **Chung Hua Yen Ko Tsa Chih** 1980;16(3):252–4 **(Chi)**

[Zonal rheography of the lungs in siderosilicotuberculosis] Afonin AP. **Vrach Delo** 1981 Aug;(8):69–70 **(Rus)**

SIGMA FACTOR see under **TRANSCRIPTION FACTORS**

SIGMOID

Unusual presentation of translocated intrauterine contraceptive device [letter] Beard RJ. **Lancet** 1981 Apr 11;1(8224):837

ABNORMALITIES

Situs inversus of the descending colon and sigmoid. Raahave D, et al. **Acta Chir Scand** 1980;146(3):221–3

Familial occurrence of congenital colonic atresia. Benawra R, et al. **J Pediatr** 1981 Sep;99(3):435–6

[Torsion of megasigmoid] Myca Z, et al. **Wiad Lek** 1980 Jul 15;33(14):1149–51 (Eng. Abstr.) **(Pol)**

PATHOLOGY

[Effect of antibacterial therapy on regeneration of large-intestinal mucosa in dysentery] Tumanov FA, et al. **Ter Arkh** 1980;52(11):17–9 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Effect of bile acid perfusion on colonic motor function in patients with the irritable colon syndrome. Taylor I, et al. **Gut** 1980 Oct;21(10):843–7

RADIOGRAPHY

Radiography of the distal colon and rectum after irradiation of carcinoma of the cervix. Meyer JE. **AJR** 1981 Apr; 136(4):691–9

Angiography with epinephrine and beta receptor blocker in diagnosis of sigmoid lesions. Holmström B, et al. **Dis Colon Rectum** 1981 Jan–Feb;24(1):5–16

The rectosigmoid index. Siegel MJ, et al. **Radiology** 1981 May;139(2):497–9

SURGERY

Low side-to-side sigmorectal anastomosis with intestinal staplers. Freeman JB, et al. **Am J Surg** 1980 May; 139(5):726–7

Suprapubic bladder drainage in colorectal surgery. Christensen PB, et al. **Br J Surg** 1981 May;68(5):348–9

The place of isolated rectal excision in the treatment of ulcerative colitis. Clark CG, et al. **Br J Surg** 1980 Sep; 67(9):653–4

Ureterosigmoidostomy. Goodwin WE. **Bull NY Acad Med** 1980 Oct;56(8):734–8

Cecal-sigmoid anastomosis for advanced carcinoma of the colon. Tchirkow G. **Dis Colon Rectum** 1981 Jul–Aug; 24(5):343

The known hazards of ureterosigmoidostomy [letter] Grünberg J. **Pediatrics** 1981 Mar;67(3):446

Sigmoidocystoplasty in adults with enuresis. Kvarstein B, et al. **Surg Gynecol Obstet** 1981 Jul;153(1):65–6

Use of sigmoid colon in sex reassignment operations. Dalton JR. **Urology** 1981 Mar;17(3):223–7

[Total cystectomy and sigmoido-cystoplasty : combined transabdominal and perineal approach (author's transl)] Tang YZ. **Chung Hua Wai Ko Tsa Chih** 1980 Dec; 18(6):579–80 **(Chi)**

[Long-term follow-up of sigmoid colon substitution for urinary bladder (author's transl)] Xie T. **Chung Hua Wai Ko Tsa Chih** 1980 Dec;18(6):500–1 **(Chi)**

[Problems of late formation of a radiation-induced vesico-vaginal fistula. Case report] Kindt J, et al. **Zentralbl Gynaekol** 1981;103(5):313–7 (Eng. Abstr.) **(Ger)**

[Lung cancer and metachronous cancer of the descending sigmoid colon] Zmeul VK. **Khirurgiia (Mosk)** 1981 Apr; (4):102–3 **(Rus)**

[Recurrent volvulus of the sigmoid resected earlier] Abdullaev MR, et al. **Vestn Khir** 1980 Sep;125(9):48–9 **(Rus)**

[Successful treatment of fecal peritonitis and of a high, large intestine fistula developing after sigmoid resection for cancer] Parilov VI. **Vestn Khir** 1981;126(5):90–1 **(Rus)**

TRANSPLANTATION

[Revascularization of the large intestine transplanted downward onto the perineum in abdomino-anal resection of the rectum] Chernyshev VN, et al. **Vestn Khir** 1981; 126(5):40–5 **(Rus)**

SIGMOID DISEASES

COMPLICATIONS

Fistula between false aneurysm in the left iliac artery and the sigmoid. Case report. Bergkvist L, et al. **Acta Chir Scand** 1980;146(3):209–10

Giant sigmoid diverticulitis. A cause of partial small bowel obstruction. Ona FV, et al. **Am J Gastroenterol** 1980 Apr; 73(4):350–2

Colovenous fistula complicating diverticulitis. Demonstration by contrast enema. Rothman BJ, et al. **Am J Gastroenterol** 1981 Jun;75(6):464–8

Obstructive uropathy secondary to sigmoid diverticulitis. Siminovitch JM, et al. **Dis Colon Rectum** 1980 Oct; 23(7):504–7

Organoaxial volvulus of the stomach and volvulus of the sigmoid colon. Flynn P, et al. **Med J Aust** 1980 Aug 9; 2(3):152–3

Hepatic abscess resulting from asymptomatic diverticulitis of the sigmoid colon. Liebert CW Jr. **South Med J** 1981 Jan;74(1):71–3

[Left ureteral obstruction complication diverticulitis of the sigmoid colon (author's transl)] Bonnet-Eymard J, et al. **Ann Chir** 1980 Dec;34(10):795–9 (Eng. Abstr.) **(Fre)**

[Giant diverticulum of the sigmoid] Slomic A, et al. **J Can Assoc Radiol** 1980 Sep;31(3):168–70 (Eng. Abstr.) **(Fre)**

[Treatment of complicated diverticulosis of the sigmoid colon (author's transl)] Teutsch W. **Zentralbl Chir** 1980; 105(20):1368–72 (Eng. Abstr.) **(Ger)**

DIAGNOSIS

Internal herniation involving the sigmoid mesocolon. Bircher MD, et al. **Dis Colon Rectum** 1981 Jul–Aug;24(5):404–6

An unusual case of primary arteriocolic fistula. Smeesters CJ, et al. **Dis Colon Rectum** 1981 May–Jun;24(4):305–7

Perforation of the sigmoid colon simulating acute appendicitis. Assa J, et al. **Isr J Med Sci** 1980 Sep–Oct; 16(9–10):646–8

Intermittent volvulus of the sigmoid colon [letter] Gray FJ. **Med J Aust** 1980 Jun 28;1(13):672, 674

Idiopathic perforation of the sigmoid colon in Japan. Kasahara Y, et al. **World J Surg** 1981 Jan;5(1):125–30

[Ruptures and 'spontaneous' perforations of the rectum and sigmoid: a report on two cases and review of the published literature (author's transl)] Laborde Y, et al. **J Chir (Paris)** 1980 Sep;117(8–9):463–7 (Eng. Abstr.) **(Fre)**

[Torsion of megasigmoid] Myca Z, et al. **Wiad Lek** 1980 Jul 15;33(14):1149–51 (Eng. Abstr.) **(Pol)**

ETIOLOGY

Perforation of the sigmoid colon by an orthopedic nail: report of a case. McGiffin DC, et al. **Dis Colon Rectum** 1981 Apr; 24(3):196–7

Enterovesical fistulas in Crohn disease. Badlani G, et al. **Urology** 1980 Dec;16(6):599–600

[Uterine and sigmoid perforations following voluntary interruption of pregnancy by aspiration. A case report (author's transl)] Aulagnier G, et al. **J Chir (Paris)** 1981 May;118(5):339–41 (Eng. Abstr.) **(Fre)**

[Spontaneous perforation of the sigmoid colon in hemodialyzed chronic renal failure patients. Value of the premonitory syndrome? (letter)] Hachache T, et al. **Nouv Presse Med** 1981 Apr 4;10(15):1240–1 **(Fre)**

[Perforation of the colon as a complication of barium enema] El Hai Z, et al. **Harefuah** 1980 Jul;99(1–2):24–5 (Eng. Abstr.) **(Heb)**

OCCURRENCE

Peptic ulceration and sigmoid volvulus in India. Rennie JA. **Ann R Coll Surg Engl** 1981 Mar;63(2):105–7

No relation of sigmoid volvulus to fiber content of African diet [letter] Burkitt D. **N Engl J Med** 1981 Apr 9; 304(15):914

PATHOLOGY

Sigmoid volvulus [letter] Hughes LE. **J R Soc Med** 1980 Jan;73(1):78–9

[Perforation of the sigmoid by a fish bone with the formation of an inflammatory infiltrate] Lemeshko PT, et al. **Klin Khir** 1981 Feb;(2):54 **(Rus)**

[Recurrent volvulus of the sigmoid resected earlier] Abdullaev MR, et al. **Vestn Khir** 1980 Sep;125(9):48–9 **(Rus)**

RADIOGRAPHY

Angiography with epinephrine and beta receptor blocker in diagnosis of sigmoid lesions. Holmström B, et al. **Dis Colon Rectum** 1981 Jan–Feb;24(1):5–16

Giant sigmoid diverticulum: report of a case. Maresca L, et al. **Dis Colon Rectum** 1981 Apr;24(3):191–5

[A case of jejuno-sigmoidal fistula] Fanciulli GF, et al. **G Clin Med** 1980 Jan;61(1):51–61 (Eng. Abstr.) **(Ita)**

SURGERY

Exteriorization without colostomy for perforative sigmoid diverticulitis. Knecht JW. **Am J Proctol Gastroenterol Colon Rectal Surg** 1980 Dec; 31(12):13–5, 28–9

Surgical treatment of perforated diverticulitis of the sigmoid colon. Greif JM, et al. **Dis Colon Rectum** 1980 Oct; 23(7):483–7 (51 ref.)

Giant sigmoid diverticulum. Cameron CR. **J R Coll Surg Edinb** 1980 Nov;25(6):457–9

Sigmoid volvulus. Rennie JA. **J R Soc Med** 1979 Sep; 72(9):654–6

[Volvulus of sigmoid colon (author's transl)] Wang JF. **Chung Hua Wai Ko Tsa Chih** 1979;17(3):195–6 **(Chi)**

[Sigmoidovesical fistulae: a report on 18 cases (author's transl)] Lataix P, et al. **Chirurgie** 1980;106(7):546–9 (Eng. Abstr.) **(Fre)**

[Procedure in perforated diverticulitis of the sigmoid colon (author's transl)] Haiden G, et al. **Zentralbl Chir** 1980; 105(10):652–5 (Eng. Abstr.) **(Ger)**

[Acute volvulus of the sigmoid colon] Bertelli L, et al. **Minerva Chir** 1980 Aug 15–31;35(15–16):1167–72 (Eng. Abstr.) **(Ita)**

[Volvulus of the sigmoid. Case report] Colombo P, et al. **Minerva Chir** 1980 Jul 15–31;35(13–14):1043–52 (Eng. Abstr.) **(Ita)**

[2-stage rupture of the left colon and sigmoid in a case of bilateral presacral ectopic kidney] Porcaro BE. **Minerva Dietol Gastroenterol** 1980 Jul–Sep;26(3):211–4 **(Ita)**

[Volvulus of the sigmoid] Kholod TF, et al. **Khirurgiia (Mosk)** 1981 Mar;(3):59–61 (Eng. Abstr.) **(Rus)**

THERAPY

The management of acute sigmoid volvulus. Anderson JR, et al. **Br J Surg** 1981 Feb;68(2):117–20

Sigmoidoscopic reduction of sigmoid volvulus. Knight J, et al. **Med J Aust** 1980 Nov 29;2(11):627–8

SIGMOID NEOPLASMS

BLOOD

[A case of sigmoid cancer who acquired factor V inhibitor producibility and treated with factor VIII inhibitor bypassing activity preparation FEIBA--with bibliographic review (author's transl)] Abe T, et al. **Rinsho Ketsueki** 1980 Nov;21(11):1664–73 (Eng. Abstr.) **(Jpn)**

BLOOD SUPPLY

[Diffuse cavernous rectosigmoidal angioma. Relative venous dependence and therapeutic impact] Lagadec B, et al. **Med Chir Dig** 1980;9(5):401–2, 405–6 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Cronkhite-Canada syndrome associated with sigmoid cancer case report and review of 54 cases with the syndrome. Nonomura A, et al. **Acta Pathol Jpn** 1980 Sep;30(5):825–45

Intussusception of the colon secondary to gastrointestinal metastatic melanoma. Watson RG, et al. **J R Coll Surg Edinb** 1980 May;25(3):200–1

[Anaerobic infection in sigmoid colon cancer] Kubát R, et al. **Vnitr Lek** 1980 Sep;26(9):891–5 (Eng. Abstr.) **(Cze)**

[Diagnostic and therapeutic problems in a para-pseudoneoplastic syndrome: actinomycosis of the left colon] Cozza A, et al. **Ann Ital Chir** 1979;51(5):567–73 **(Ita)**

[Anorectal malignant melanoma. A case in the anorectal junction synchronous with adenocarcinoma of the sigmoid] Secco GB, et al. **Minerva Chir** 1981 May 15;36(9):615–20 **(Ita)**

[Successful treatment of fecal peritonitis and of a high, large intestine fistula developing after sigmoid resection for cancer] Parilov VI. **Vestn Khir** 1981;126(5):90–1 **(Rus)**

DIAGNOSIS

Intestinal complications of endometriosis. Pillay SP, et al. **Br J Surg** 1980 Sep;67(9):677–9

Cytology in rectosigmoid cancer [letter] Strachan CJ, et al. **Lancet** 1981 Jan 10;1(8211):93–4

[Clinical significance of polyps of the large intestine revealed by rectoromanoscopy] Petrov VP, et al. **Vestn Khir** 1980 Jun;124(6):65–7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Metachronous carcinoma complicating Crohn's disease. Castellano TJ, et al. **Arch Intern Med** 1981 Jul; 141(8):1074–5

Ureterosigmoidostomy in children--revival or demise? Rabinovitch HH. **J Urol** 1980 Oct;124(4):552

Late development of colonic adenocarcinoma 49 years after ureterosigmoidostomy for exstrophy of the bladder. Warren RB, et al. **J Urol** 1980 Oct;124(4):550–1

[Sedentary occupation and recto-sigmoidal neoplasms]

Husemann B, et al. **Onkologie** 1980 Aug;3(4):168–71 **(Ger)**

[Polyps of the sigmoid and rectum following ureterosigmoidostomy] Köpp W, et al. **Z Gastroenterol** 1980 Mar;18(3):148–54 (40 ref.) (Eng. Abstr.) **(Ger)**

PATHOLOGY

Adenocarcinoma of the rectosigmoid colon in a 10-yr-old child. Caffarena PE, et al. **J Pediatr Surg** 1981 Feb; 16(1):87–9

[Angiofollicular lymphoid hyperplasia (Castleman's disease). First case of meso-sigmoid localisation (author's transl)] Testas P, et al. **Chirurgie** 1980;106(2):156–60 (Eng. Abstr.) **(Fre)**

[Appendiceal papillary adenomatosis. Association with papillary adenoma of the sigmoid (letter)] Treille C, et al. **Nouv Presse Med** 1981 Apr 11;10(16):1331 **(Fre)**

[A rare case of sigmoiduodenal neoplastic fistula (author's transl)] Russello D, et al. **Chir Ital** 1981 Feb;33(1):280–8 (Eng. Abstr.) **(Ita)**

[Synchronous multiple primary cancers of the colon] Oancea T, et al. **Rev Chir [Chir]** 1980 Sep–Oct;29(5):379–84 (Eng. Abstr.) **(Rum)**

[Hemangioma of the rectum and sigmoid] Vaganov VN, et al. **Khirurgiia (Mosk)** 1980 Oct;(10):105–6 **(Rus)**

[Lung cancer and metachronous cancer of the descending sigmoid colon] Zmeul VK. **Khirurgiia (Mosk)** 1981 Apr; (4):102–3 **(Rus)**

RADIOGRAPHY

Angiography with epinephrine and beta receptor blocker in diagnosis of sigmoid lesions. Holmström B, et al. **Dis Colon Rectum** 1981 Jan–Feb;24(1):5–16

RADIOTHERAPY

Adjuvant postoperative radiotherapy in locally advanced rectal and rectosigmoidal cancer. Zucali R, et al. **Tumori** 1980 Oct 31;66(5):595–600

[Early judgement on the results in radiation therapy of colorectal cancer: determination of carcinoembryonic antigen (CEA) in blood serum at daily intervals from the beginning of irradiation (author's transl)] Pompecki R, et al. **Strahlentherapie** 1981 Feb;157(2):81–5 (Eng. Abstr.) **(Ger)**

SECONDARY

[Digestive hemorrhages and intestinal metastases of chorioepithelioma] Cagetti M, et al. **Minerva Chir** 1981 May 31;36(10):695–700 (Eng. Abstr.) **(Ita)**

SURGERY

Technique for reestablishing continuity after the Hartmann operation. Criado FJ, et al. **Am Surg** 1981 Aug;47(8):366–7

Hartmann's procedure. Its use with complicated carcinomas of sigmoid colon and rectum. ReMine SG, et al. **Arch Surg** 1981 May;116(5):630–3

Anorectal pressure and rectal compliance after low anterior resection. Suzuki H, et al. **Br J Surg** 1980 Sep;67(9):655–7

Abdominoperineal resection for recurrent cancer following anterior resection. Segall MM, et al. **Dis Colon Rectum** 1981 Mar–Apr;24(2):80–4

Anatomical prognostic factors after abdominal perineal resection. Walz BJ, et al. **Int J Radiat Oncol Biol Phys** 1981 Apr;7(4):477–84

[Invagination anastomoses] Kostov G, et al. **Khirurgiia (Sofiia)** 1981;34(2):125–8 (Eng. Abstr.) **(Bul)**

[Results of an attempted curative surgical treatment for cancers of the sigmoid colon and rectum. Report on a series treated in the Hôtel-Dieu Hospital, Quebec (author's transl)] Dionne L. **Ann Chir** 1980;34(6):415–20 (Eng. Abstr.) **(Fre)**

[Leiomyoma of recto-sigmoid junction (author's transl)] Nini N. **Chir Pediatr** 1980;21(5):353–5 (Eng. Abstr.) **(Fre)**

SIGMOIDOSCOPY

Routine sigmoidoscopy in asymptomatic patients. Buchanan RF. **Alaska Med** 1980 Sep–Oct;22(5):73–5

Flexible fiberoptic sigmoidoscopy. A study of 746 cases. O'Connor JJ. **Am J Proctol Gastroenterol Colon Rectal Surg** 1981 Mar; 32(3):8, 28

Flexible fiberoptic sigmoidoscopy in a surgeon's office. Holt RW, et al. **Am J Surg** 1980 May;139(5):708–10

Proctoscopy and sigmoidoscopy [letter] **Br Med J** 1980 Aug 23;281(6239):561–2

Flexible sigmoidoscopy -- an office procedure. Mohanty SK, et al. **J Med Assoc Ga** 1981 Mar;70(3):181–2

Who should do gastrointestinal endoscopy? [letter] Felmar E, et al. **JAMA** 1981 Sep 18;246(12):1301

Sigmoidoscopic reduction of sigmoid volvulus. Knight J, et al. **Med J Aust** 1980 Nov 29;2(11):627–8

Preparation for sigmoidoscopy [letter] Devadhar DS. **NZ Med J** 1981 Jun 10;93(685):394

Sigmoidoscopy [letter] Pinn TG. **NZ Med J** 1980 Dec 10; 92(673):439

ADVERSE EFFECTS

The management of colonoscopic and sigmoidoscopic perforation of the large bowel. Adair HM, et al. **Br J Surg** 1981 Jun;68(6):415–6

INSTRUMENTATION

Flexible sigmoidoscopy. Burdick GE. **Ariz Med** 1981 Apr; 38(4):267–8

Detorsion of sigmoid volvulus by flexible fiberoptic sigmoidoscopy. Previti FW, et al. **J Med Soc NJ** 1981 Apr; 78(4):288–90

Flexible sigmoidoscopy [letter] Barritt AS 3d. **N Engl J Med** 1980 Oct 30;303(18):1066

[Rectosigmoidoscopy with a fiberscope] Rossini FP, et al. **Minerva Dietol Gastroenterol** 1979 Oct–Dec;25(4):373–6 (Eng. Abstr.) **(Ita)**

METHODS

Outpatient flexible fibreoptic sigmoidoscopy, diagnostic yield and the value of glucagon. Foster GE, et al. **Br J Surg** 1981 Jul;68(7):463–4

Proctoscopy and sigmoidoscopy [letter] **Br Med J** 1980 Sep 6;281(6241):682

Proctoscopy and sigmoidoscopy. Ellis DJ, et al. **Br Med J** 1980 Aug 9;281(6237):435–7

SUPPLY & DISTRIBUTION

How often should patients be sigmoidoscoped? A mathematical perspective. Carroll RL, et al. **Prev Med** 1980 Nov;9(6):741–6

UTILIZATION

Flexible fibreoptic sigmoidoscopy--an alternative to colonoscopy? Isbister WH. **NZ Med J** 1980 Oct 8; 92(669):283–5

SIGN LANGUAGE see under **MANUAL COMMUNICATION**

SILAGE see under **ANIMAL FEED**

SILANES see under **SILICON**

SILASTICS see **SILICONE ELASTOMERS**

SILICA

Chromatographic properties of silica-immobilized antibodies. Sportsman JR, et al. **Anal Chem** 1980 Nov;52(13):2013–8

Advantage of Florisil over charcoal separation in a mechanized testosterone radioimmunoassay. Harman SM, et al. **Clin Chem** 1980 Oct;26(11):1613–6

Laboratory testing of biological activity of ore mine dust: fibrogenicity, cytotoxicity, and hemolytic activity. David A, et al. **Environ Res** 1981 Feb;24(1):140–51

Interaction of chromaffin granules with plasma membranes mediated by Ca2+ and Mg2+-ATP using self-generating gradients of Percoll. von Grafenstein H, et al. **FEBS Lett** 1981 Jan 26;123(2):238–40

Quickfit Florisil pesticide trap for use with assisted distillation technique. McDougall KW. **J Assoc Off Anal Chem** 1980 Nov;63(6):1355–6

A new technique of depositing phospholipid bilayers on quartz surfaces: its use in membrane spin-label studies. Kawano I, et al. **J Biochem Biophys Methods** 1981 Mar; 4(3–4):135–45

The applicability of freeze-thaw Percoll gradients to whole-cell isopycnic fractionations: preliminary results. Cooper AJ, et al. **J Immunol Methods** 1980;37(3–4):353–61

Isolation of human monocytes on re-orienting gradients of Percoll. Hardin JA, et al. **J Immunol Methods** 1981; 40(1):1–6

Rapid extraction of oxygenated metabolites of arachidonic acid from biological samples using octadecylsilyl silica. Powell WS. **Prostaglandins** 1980 Nov;20(5):947–57

Use of backscattered electron imaging to quantify the distribution of inhaled crystalline silica. Brody AR, et al. **Scan Electron Microsc** 1980;(3):301–6

Testosterone radioimmunoassay: rapid extraction technique for steroids based on kieselguhr mini-columns. Vining RF. **Steroids** 1980 Aug;36(2):149–59

[Comparison between 2 density gradients for separation of CFU] Vannier JP, et al. **Biomedicine** 1980 Nov;33(7):236–9 (Eng. Abstr.) **(Fre)**

[Powdered quartz as an adjuvant in cell-mediated immunity] Stalder K, et al. **Naturwissenschaften** 1980 Nov;67(11):569 **(Ger)**

[Preparation of hard crown and bridge resin without PMMA powder (III) (author's transl)] Suzuki S, et al. **Shika Rikogaku Zasshi** 1980 Apr;21(54):89–94 (Eng. Abstr.) **(Jpn)**

[Fibrogenous effect of silica dust from different soil deposits in Poland] Woźniak H, et al. **Med Pr** 1980;31(5):363–9 (Eng. Abstr.) **(Pol)**

[Effect of temperature and humidity on the pulicidal activity of an opoka dust (opaline silica) under laboratory experimental conditions] Mironov AN. **Med Parazitol (Mosk)** 1981 Jan–Feb;60(1):41–4 (Eng. Abstr.) **(Rus)**

ADVERSE EFFECTS

Experimental silicosis: morphologic and biochemical abnormalities produced by intratracheal instillation of quartz into guinea pig lungs. Dauber JH, et al. **Am J Pathol** 1980 Dec;101(3):595–612

Pulmonary function loss in Vermont granite workers. A long-term follow-up and critical reappraisal. Graham WG, et al. **Am Rev Respir Dis** 1981 Jan;123(1):25–8

Silica granuloma of eyelid and ocular adnexa. Riddle PJ, et al. **Arch Ophthalmol** 1981 Apr;99(4):683–7

The relationship among silica, silicosis, and lung carcinoma. Lebowitz MD. **Ariz Med** 1981 Aug;38(8):596–8

Alveolar macrophage stimulation and population changes in silica-exposed rats. Davis GS, et al. **Chest** 1981 Jul;80(1 Suppl):8–10

A fine fibrous silica contaminant of flour in the high oesophageal cancer area of north-east Iran. O'Neill CH, et al. **Int J Cancer** 1980 Nov 15;26(5):617–28

Silicon nephropathy: a possible occupational hazard. Hauglustaine D, et al. **Nephron** 1980;26(5):219–24

ANALYSIS

Silicosis in the 1980's. Banks DE, et al. **Am Ind Hyg Assoc J** 1981 Jan;42(1):77–9

On the determination of crystalline silica in the presence of amorphous silica. Bye E, et al. **Ann Occup Hyg** 1980; 23(4):329–34

Occupational exposure to dust containing free silica in a ceramics factory. Kolton R, et al. **Isr J Med Sci** 1981 Apr; 17(4):277–82

Protection from cancer by 'silica' in the water-supply of U.S. cities. Burton AC, et al. **J Environ Pathol Toxicol** 1980 Aug;4(1):31–40

[Pneumoconiosis due to amorphous silica smoke. Mineralogical and ultrastructural study of 6 cases (author's transl)] Brambilla C, et al. **Rev Fr Mal Respir** 1980; 8(5):383–91 **(Fre)**

[Measurement and evaluation of air contamination by dust in the Federal Republic of Germany] Więcek E. **Med Pr** 1980;31(4):319–26 (11 ref.) (Eng. Abstr.) **(Pol)**

[Health and hygiene evaluation of granodiorite, a filtering material for treating drinking water] Savel'eva NA, et al. **Gig Sanit** 1980 Dec;(12):57–8 **(Rus)**

[Prediction of the degree of fibrogenicity of silica-containing dusts depending on the surface properties of the particles] Velichkovskaia TB, et al. **Gig Tr Prof Zabol** 1981 Jun; (6):34–6 **(Rus)**

[Removal of the microbial cells from a silica gel layer after their electroretention] Chekhovskaia TP. **Mikrobiol Zh** 1980 Jul-Aug;42(4):432–5 (Eng. Abstr.) **(Rus)**

PHARMACODYNAMICS

Collagen synthesis in cultured mesothelial cells. Response to silica. Aalto M, et al. **Acta Chir Scand** 1981;147(1):1–6

Inhibition of adjuvant arthritis by intraperitoneal administration of low doses of silica. Bramm E, et al. **Agents Actions** 1980 Nov;10(5):435–8

Evidence of a quartz-induced chemotactic factor for guinea pig alveolar macrophages. Miller K, et al. **Environ Res** 1980 Jun;22(1):31–9

The replacement of serum by SiO2 (aerosil) and 2-mercaptoethanol or diethanoldisulfide in the immunization and stimulation of spleen cell cultures. Burger M. **FEBS Lett** 1980 Sep 8;118(2):212–4

Dissociation of intracellular lysosomal rupture from the cell death caused by silica. Kane AB, et al. **J Cell Biol** 1980 Dec;87(3 Pt 1):643–51

Effect of poly-2-vinylpyridine-N-oxide and sucrose on silicate-induced hemolysis of erythrocytes. Oscarson DW, et al. **J Pharm Sci** 1981 Jun;70(6):657–9

Liberation of a fibrogenic factor from human blood monocytes, ascites cells, cultured histiocytes and transformed mouse macrophages by treatment with SiO2. Aalto M, et al. **Scand J Clin Lab Invest** 1980 Jun; 40(4):311–8

The effect of silica on resistance to the 'Brazil' strain of Trypanosoma cruzi in C57 BL/10 (B10) mice. Tanowitz HB, et al. **Trans R Soc Trop Med Hyg** 1980;74(6):820–2

Effect of silica pretreatment and cyclosporin A therapy on isolated islet allografts in the rat. Reece-Smith H, et al. **Transplantation** 1981 Jun;31(6):484–5

[Protein content in lung lavage specimens from rats of different provenience following administration of silica dust (author's transl)] Havránková J, et al. **Bratisl Lek Listy** 1981;75(6):669–76 (Eng. Abstr.) **(Cze)**

[The inflammatory response to inoculation of silica dust in transplantable tumors in mice and rats] Burlando F, et al. **Boll Soc Ital Biol Sper** 1981 Feb 28;57(4):470–6 **(Ita)**

[Aerosil stabilization of drug mixtures] Ezerskiĭ ML, et al. **Farmatsiia** 1980 May-Jun;29(3):21–4 **(Rus)**

[Development of experimental silicosis from the chronic inhalation of a colloidal solution of silicic acid] Podgaĭko GA, et al. **Gig Tr Prof Zabol** 1980 Jul;(7):24–7 (Eng. Abstr.) **(Rus)**

THERAPEUTIC USE

A comparative crossover study on the treatment of heartburn and epigastric pain: Liquid Gaviscon and a magnesium--aluminium antacid gel. Chevrel B. **J Int Med Res** 1980;8(4):300–2

The effect of kavaine and magnesium orotate combination in the psycho - organic disorders of the elderly. Sukyasyan A. **New Istanbul Contrib Clin Sci** 1980 May;13(2):103–11

A three-year study of the effect of a sodium fluoride-silica

abrasive dentifrice on dental caries. Beiswanger BB, et al. **Pharmacol Ther Dent** 1981;6(1-2):9-16

A three-year clinical caries evaluation of the effect of a sodium fluoride-silica abrasive dentifrice. Zacherl WA. **Pharmacol Ther Dent** 1981;6(1-2):1-7

Pyrogastrone treatment of peptic oesophagitis: analysis of 104 patients treated during a 3 1/2-year period. Markham C, et al. **Scand J Gastroenterol [Suppl]** 1980;15(Suppl 65):73-82

[Gastroesophageal reflux. Results of a multicenter study of 170 patients on the therapeutic value of the Gaviscon drinkable suspension] Chevrel B. **Med Chir Dig** 1980; 9(6):535-9 **(Fre)**

[Clinical trial with TRI-OM gel in pyrosis due to pregnancy (author's transl)] Mattern L. **Praxis** 1980 Oct 28; 69(43):1588-91 (Eng. Abstr.) **(Fre)**

[Preparation and testing of protective ointments containing Aerosil] Gafiţanu E, et al. **Rev Med Chir Soc Med Nat Iasi** 1980 Jul-Sep;84(3):553-8 (Eng. Abstr.) **(Rum)**

TOXICITY

Research findings on the toxicity of quartz particles relevant to pulverized fuel ash. Raask E, et al. **Ann Occup Hyg** 1980;23(2):147-57

Silica-induced malignant histiocytic lymphoma: incidence linked with strain of rat and type of silica. Wagner MM, et al. **Br J Cancer** 1980 Jun;41(6):908-17

The effect of quartz, administered by intratracheal instillation, on the rat lung. I. The cellular response. Morgan A, et al. **Environ Res** 1980 Jun;22(1):1-12

[Fibre interaction with red blood cells or alveolar macrophages 'in vitro' (author's transl)] Jaurand MC, et al. **Rev Fr Mal Respir** 1979 Dec;7(7):717-22 (Eng. Abstr.) **(Fre)**

[Methodological problems of standardization of dust of complex chemical composition] Borisenkova RV, et al. **Gig Sanit** 1980 Nov;(11):8-10 (Eng. Abstr.) **(Rus)**

[Role of silicon dioxide in the development of lung tumors induced in rats by intratracheal administration of benz(a)pyrene] Pylev LN. **Gig Tr Prof Zabol** 1980 Apr; (4):33-6 (Eng. Abstr.) **(Rus)**

SILICATE CEMENT

Fluoride distribution in teeth using a silicate model. Swartz ML, et al. **J Dent Res** 1980 Oct;59(10):1596-603

PHARMACODYNAMICS

A comparative pulpal study of the irritant effects of silicate cements. Tobias RS, et al. **Br Dent J** 1981 Mar 3; 150(5):119-24

STANDARDS

[The adhesiveness and surface quality of 3 different filling materials studied by means of the Hommel tester and REM films] Lässig HE, et al. **Dtsch Zahnaerztl Z** 1980; 35(4):498-502 (Eng. Abstr.) **(Ger)**

SILICIC ACID see under **SILICA**

SILICON

see related
ASBESTOS

Complete phenylthiohydantoin amino acid analysis by high-performance liquid chromatography on ULTRASPHERE-octadecyltrimethyloxysilane. Somack R. **Anal Biochem** 1980 May 15;104(2):464-8

The use of iodotrimethylsilane in nucleosidation procedure. Točik Z, et al. **Nucleic Acids Res** 1980 Oct 24;8(20):4755-61

[Determination of partition coefficient by high-pressure liquid chromatography. III. The comparison of determination of partition coefficient using different kinds of bonded octadecylsilane support (author's transl)] Xu XR, et al. **Yao Hsueh Hsueh Pao** 1981 Mar;16(3):177-81 (Eng. Abstr.) **(Chi)**

[Ellipsometric study of immunologic reactions on the surface of silicon] Sorokin IuIu, et al. **Biull Eksp Biol Med** 1980 Sep;90(9):378-80 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

Silicon: a requirement in bone formation independent of vitamin D1. Carlisle EM. **Calcif Tissue Int** 1981;33(1):27-34

ADVERSE EFFECTS

Infantile pulmonary hypertension associated with foreign body vasculitis. Bowen JH, et al. **Am J Clin Pathol** 1981 Apr;75(4):609-14

Incidence of cancer among ferrochromium and ferrosilicon workers. Langård S, et al. **Br J Ind Med** 1980 May; 37(2):114-20

[Evaluation of the chest roentgenograms of 90 workers employed in the production of silicon-alloys (author's transl)] Taddei L, et al. **Radiol Med (Torino)** 1979 Oct; 65(10):717-21 (Eng. Abstr.) **(Ita)**

[Separate and combined action of local vibration and a siliceous dust on human respiration] Shakhbazbekova SK, et al. **Gig Tr Prof Zabol** 1980;(12):20-3 (Eng. Abstr.) **(Rus)**

ANALYSIS

Vinyldimethylsilyl ethers as derivatives for the characterization of steroids and cannabinoids by gas chromatography mass spectrometry. Harvey DJ. **Biomed Mass Spectrom** 1980 May;7(5):211-6

Quantitation of 2-ketoacids in biological fluids by gas chromatography chemical ionization mass spectrometry of O-trimethylsilyl-quinoxalinol derivatives. Rocchiccioli F, et al. **Biomed Mass Spectrom** 1981 Apr;8(4):160-4

The electron impact induced cleavage of the C-17--C-20 bond and D-ring in trimethylsilyl derivatives of C21 steroids. Reciprocal exchange of trimethylsilyl groups. Vouros P, et al. **Biomed Mass Spectrom** 1980 May; 7(5):217-25

Gas-liquid chromatography of trimethylsilyl derivatives of sugars from Iraqi dates. Jaddou H, et al. **J Agric Food Chem** 1980 Nov-Dec;28(6):1208-12

Silicon nephropathy: a possible occupational hazard. Hauglustaine D, et al. **Nephron** 1980;26(5):219-24

BLOOD

Silicon in plasma of sheep. Hidiroglou M, et al. **Am J Vet Res** 1981 Jan;42(1):138-9

Increase in blood silicon concentration in patients with renal failure. Mauras Y, et al. **Biomedicine** 1980 Nov;33(7):228-30

DIAGNOSTIC USE

[Demonstration of ultra-hard X-radiation by means of silicon photo-elements (author's transl)] Löffler E, et al. **Strahlentherapie** 1980 Dec;156(12):824-7 (Eng. Abstr.) **(Ger)**

ISOLATION & PURIFICATION

Separation of dipeptides by high-resolution gas chromatography on a fused silica capillary column after trimethylsilylation. Dizdaroglu M, et al. **Anal Biochem** 1980 Nov 1;108(2):269-73

METABOLISM

Silicon and bone formation. **Nutr Rev** 1980 May;38(5):194-5

PHARMACODYNAMICS

Effect of fluoride varnishes and Nuva-Seal resin treatment on the formation of artificial carious lesions. Dérand T, et al. **Caries Res** 1981;15(3):250-5

Capillary pore rheology of erythrocytes. VI. The glass capillary array--effect of siliconization. Lingard PS. **Microvasc Res** 1981 May;21(3):393-5

THERAPEUTIC USE

[Elimination of blepharoptosis using silicon threads] Ushakov NA, et al. **Vestn Oftalmol** 1981 Jan-Feb;(1):50-3 (Eng. Abstr.) **(Rus)**

TOXICITY

Murine immunological and histological changes in response to chronic silica exposure. Burns CA, et al. **Environ Res** 1980 Apr;21(2):298-307

[Fibre interaction with red blood cells or alveolar macrophages 'in vitro' (author's transl)] Jaurand MC, et al. **Rev Fr Mal Respir** 1979 Dec;7(7):717-22 (Eng. Abstr.) **(Fre)**

SILICONE ELASTOMERS

Flowing of light-bodied elastic impression materials. Hegdahl T, et al. **Acta Odontol Scand** 1981;39(1):33-8

Evaluation of the two-stage silicone-rod technique for flexor-tendon replacement. Eekhaut M, et al. **Acta Orthop Belg** 1980 Mar-Apr;46(2):177-88

Treatment of granulating wounds with silastic foam dressings. Smith RC, et al. **Aust NZ J Surg** 1981 Aug; 51(4):354-7

Delivery of liposome membrane-associated sterols through silastic membranes. Kreuter J, et al. **Biochim Biophys Acta** 1981 Aug 5;676(1):118-21

Multicentre prospective trial of Silastic foam dressing in management of open granulating wounds. Williams RH, et al. **Br Med J [Clin Res]** 1981 Jan 3;282(6257):21-2

The use of Silastic in tympanoplasty surgery. Shea MC Jr. **Clin Otolaryngol** 1981 Apr;6(2):125-6

Fluid-filled silastic capsules : a new approach to a more constant steroidal drug delivery system. Kumar D, et al. **Contraception** 1981 Mar;23(3):261-8

Silica-free silicone rubber in isolated heart perfusion with blood at 13 degrees C. Suaudeau J, et al. **Cryobiology** 1981 Jun;18(3):258-70

Infection prophylaxis with silastic sponge explants in retinal detachment surgery. Buettner H, et al. **Dev Ophthalmol** 1981;2:71-6

Spontaneous alterations in unused silicon buckling material. Doden W, et al. **Doc Ophthalmol** 1981 Mar 20;50(2):249-53

A study of menstrual patterns following laparoscopic sterilization with silastic rings. Goh TH, et al. **Int J Fertil** 1981;26(2):116-9

Surgical wound drainage system using silicone tubing. Miller SJ. **J Am Podiatry Assoc** 1981 Jun;71(6):287-96

Fracture of silastic radial-head prosthesis. Case report. Mayhall WS, et al. **J Bone Joint Surg [Am]** 1981 Mar; 63A(3):459-60

Silastic prosthetic replacement for the radial head. Morrey BF, et al. **J Bone Joint Surg [Am]** 1981 Mar;63A(3):454-8

Cosmetic improvement of thoracic wall defects using a rapid setting silastic mold: a special technique. Allen RG, et al. **J Pediatr Surg** 1979 Dec;14(6):745-9

Intragastric pressure measurement: a guide for reduction and closure of the silastic chimney in omphalocele and gastroschisis. Wesley JR, et al. **J Pediatr Surg** 1981 Jun; 16(3):264-70

Transport of prostaglandins through silicone rubber. Roseman TJ, et al. **J Pharm Sci** 1981 May;70(5):562-6

Time-dependent accuracy of elastomer impression materials. Part I: Condensation silicones. Lacy AM, et al. **J Prosthet Dent** 1981 Feb;45(2):209-15

Tooth movement and dimensional change of denture base materials using two investment methods. Mainieri ET, et al. **J Prosthet Dent** 1980 Oct;44(4):368-73

Properties of silicone maxillofacial elastomer processed in stone and metal. Raptis CN, et al. **J Prosthet Dent** 1980 Oct;44(4):447-50

Fabrication of perforated silicone rubber implant. Raval P, et al. **J Prosthet Dent** 1981 Apr;45(4):449-51

Custom fabricated silicone rubber implants for tissue augmentation--a review. Raval P, et al. **J Prosthet Dent** 1981 Apr;45(4):432-4 (10 ref.)

Silicone rubber and natural rubber as biomaterials. Courtney JM, et al. **Med Biol Eng Comput** 1980 Jul;18(4):538-40

Silicone sponge implant in combination with episcleral implant for retinal detachment surgery. Sakamoto DK, et al. **Ophthalmic Surg** 1980 Oct;11(10):712-8

Use of silicone lenses in infants and children. Gurland JE. **Ophthalmology (Rochester)** 1979 Sep;86(9):1599-1604

Subcutaneous silastic implants: maintenance of high blood ethanol levels in rats drinking a liquid diet. Erickson CK, et al. **Pharmacol Biochem Behav** 1980 Dec;13(6):781-6

Silicon rubber as a dosemeter base [letter] Kása I, et al. **Phys Med Biol** 1980 Jul;25(4):747-8

Anesthetics and high-pressure interaction upon elastic properties of a polymer membrane. Kamaya H, et al. **Proc Natl Acad Sci USA** 1981 Jun;78(6):3572-5

[A preliminary report on the application of silicones in oral maxillofacial surgery (report of 30 cases)] Lin RH. **Chung Hua Kou Chiang Ko Tsa Chih** 1980 Dec;15(4):246-8 **(Chi)**

[Lukopren - an elastic rebasing substance] Kozáková B. **Cesk Stomatol** 1980 JUL;80(4):263-6 (Eng. Abstr.) **(Cze)**

[Use of Silastic plates in tendon lesions of the hand] Kromann-Andersen C, et al. **Ugeskr Laeger** 1981 Jan 26; 143(5):269-70 (Eng. Abstr.) **(Dan)**

[Silicon interposition after bridge callus resection of the forearm - technic and results] Zilch H. **Aktuel Probl Chir Orthop** 1981;20:128-32 **(Ger)**

[Results of the surgical treatment of bridge callus through silastic membrane interposition] Zilch H. **Handchirurgie** 1979;11(3-4):209-11 (Eng. Abstr.) **(Ger)**

[Silicone intubation of the lacrimal drainage system (author's transl)] Hatt M. **Klin Monatsbl Augenheilkd** 1980 Apr; 176(4):724-6 (Eng. Abstr.) **(Ger)**

[Partial replacement of the scaphoid bone with a silicone rubber prosthesis in a necrotic fragment] Feldmeier C, et al. **MMW** 1981 Jul 3;123(27):1117-8 **(Ger)**

[Biological and scanning electron microscopic investigation of an epithesis material] Schmalz G, et al. **ZWR** 1980 Sep; 89(9):57-60 **(Ger)**

[Application of a silicone rubber joint head prosthesis in surgery of the temporomandibular joint] Onishi M. **Kokubyo Gakkai Zasshi** 1981 Mar;48(1):173 **(Jpn)**

[Silicone endoprosthesis of the finger joints in the rheumatoid hand] Zawidzka-Niewiadomska W. **Chir Narzadow Ruchu Ortop Pol** 1980;45(4):361-5 (Eng. Abstr.) **(Pol)**

[Biological material and silicone inlays in the surgery of retinal detachment (author's transl)] Winter W. **Klin Oczna** 1980 Aug;82(8):419-21 (Eng. Abstr.) **(Pol)**

[Insertion of silicone rubber catheters for long-term intravenous therapy] Hemmingsson M, et al. **Lakartidningen** 1981 Jan 21;78(4):233-5 (Eng. Abstr.) **(Swe)**

ADMINISTRATION & DOSAGE

[Vitrectomy - silicone injection in Terson's syndrome] Sourdille P, et al. **Bull Soc Ophtalmol Fr** 1980 Apr-May; 80(4-5):419-20 **(Fre)**

ADVERSE EFFECTS

Liquid silicone in the dorsum of the hand. Bulcão de Moraes H. **Ann Plast Surg** 1981 Jun;6(6):500-2

Mammary implant shell failure. Schmidt GH. **Ann Plast Surg** 1980 Nov;5(5):369-71

Safety and silicone [letter] Bommer J, et al. **Lancet** 1981 Aug 22;2(8243):420

Effects of the silicone tube on the canaliculus: an animal experiment. Snead JW, et al. **Ophthalmology (Rochester)** 1980 Oct;87(10):1031-6

[The toxic effect of surgical drains on tissue culture] Mandys V, et al. **Cesk Patol** 1980 May;16(2):83-7 (Eng. Abstr.) **(Cze)**

[Tolerance to silastic sponges in chorioretinal surgery (retrospective study : 1973-1978)] Bronner A, et al. **Bull Soc Ophtalmol Fr** 1980 Aug-Sep;80(8-9):651-3 (Eng.

Abstr.) (Fre)

STANDARDS

Evaluation of low-viscosity intravascular silicone rubber with scanning electron microscope. Janecka IP, et al. **Ann Plast Surg** 1981 Apr;6(4):291-6

THERAPEUTIC USE

Silastic overlay in the treatment of painful neuromata. Snow JW, et al. **J Fla Med Assoc** 1980 Dec;67(12):1079-82

Foam elastomer dressings in surgery. Brossy JJ. **S Afr Med J** 1981 Apr 11;59(16):559-560

[Technical aspects and evaluation of the placing of a silicone elastomer sponge buckle at the time of surgical treatment of retinal detachment] Rouchy JP, et al. **Bull Soc Ophtalmol Fr** 1980 Apr-May;80(4-5):427-9 (Eng. Abstr.) (Fre)

TOXICITY

Assessment of in vitro cytotoxicity of four RTV-silicone elastomers used for maxillo-facial prostheses. Hensten-Pettersen A, et al. **Acta Odontol Scand** 1980; 38(3):163-7

The influence of vitamin E on capsule formation and contracture around silicone implants. Peters CR, et al. **Ann Plast Surg** 1980 Nov;5(5):347-52

[Toxicity testing of polymeric and rubber materials used in tissue culture] Jelinek J, et al. **Cesk Farm** 1980 May; 29(3-4):100-2 (Eng. Abstr.) (Cze)

SILICONES

Silicone implant destinated for the treatment of retinal detachment - animal trials with the silicone rod. Brettschneider I, et al. **Acta Univ Carol [Med] (Praha)** 1979; 25(3-4):119-24

Lens extraction in eyes pretreated with silicone band cerclage--animal trials. Krejčí L, et al. **Acta Univ Carol [Med] (Praha)** 1979;25(3-4):125-34

A new microvascular substitute (inside diameter: 1 MM): evaluation and early patency rates. Tizian C. **Angiology** 1980 Dec;31(12):801-20

Silicone tracheal cannula. Montgomery WW. **Ann Otol Rhinol Laryngol** 1980 Nov-Dec;89(6 Pt 1):521-8

Silicone disc for myringoplasty-tympanoplasty. Shah N. **Clin Otolaryngol** 1980 Jun;5(3):213-4

Spiral-running suture for the radial implant. Blagojević M, et al. **Dev Ophthalmol** 1981;2:61-5

Temporary microvascular silicone shunts. Peled I, et al. **Isr J Med Sci** 1980 Sep-Oct;16(9-10):631-2

Properties of addition-type silicone impression materials. Yeh CL, et al. **J Am Dent Assoc** 1980 Sep;101(3):482-4

Estimation of protein and drug adsorption onto silicone-coated glass surfaces. Mizutani T. **J Pharm Sci** 1981 May;70(5):493-6

Use of a silicone index to apply and contour porcelain on occlusal surfaces of ceramometal restorations. Lubovich RP, et al. **J Prosthet Dent** 1981 Apr;45(4):392-4

Use of silicone rubber as a pericardial substitute to facilitate reoperation in cardiac surgery. Laks H, et al. **J Thorac Cardiovasc Surg** 1981 Jul;82(1):88-92

Recurrence of silicone lymphadenopathy [letter] Christie AJ, et al. **JAMA** 1981 Apr 3;245(13):1314

Silicone particles and haemodialysis [letter] Leong AS, et al. **Lancet** 1981 Jul 25;2(8239):210

A silicone delivery system for producing binge and continuous ethanol intoxication in rats. Ellison G, et al. **Pharmacol Biochem Behav** 1981 Feb;14(2):207-11

The experimental value of silicone-sheet, dacron felt spacers in prevention of capsular contractures. Rybka FJ. **Plast Reconstr Surg** 1980 Oct;66(4):502-8

Ultrasonic findings in silicone-augmented breasts. Rosenbaum JL, et al. **South Med J** 1981 Apr;74(4):455-8

Modeling of digestive tract lesions using silicone rubber RTV (KE-12). Asaki S, et al. **Tokoho J Exp Med** 1981 Feb; 133(2):155-65

Spuriously positive direct antiglobulin tests caused by use of silicone gel. Geisland JR, et al. **Transfusion** 1980 Nov-Dec;20(6):711-3

Ureteric displacement into a silicone cover as protection from an induced retroperitoneal fibrosis: a preliminary report of experiments in rats. Wagenknecht LV, et al. **Urol Res** 1981;9(4):181-5

[Silicone sheet for treatment and prevention of adhesive ankylosis of knee (author's transl)] Lu SB. **Chung Hua Wai Ko Tsa Chih** 1981 Feb;19(2):101-3 (Eng. Abstr.) (Chi)

[Action of ethylene oxide on plastic materials, silicones and rubbers (author's transl)] Chaigneau M. **Ann Pharm Fr** 1980 Oct;38(4):315-21 (Eng. Abstr.) (Fre)

[Silicone ureteral prostheses: results of an experimental study of tolerance and surface conditions over six years, and clinical use for four years (author's transl)] Triboulet JP. **J Chir (Paris)** 1981 Jan;118(1):1-13 (Eng. Abstr.) (Fre)

[Gastrovison Schering preparation used for investigations of the upper gastrointestinal tract by double-contrast method (author's transl)] Zgliczyński SL, et al. **Pol Przegl Radiol** 1980;44(4):321-2 (Eng. Abstr.) (Pol)

ADMINISTRATION & DOSAGE

[Technic and results of liquid silicone injection combined with vitrectomy in the treatment of retinal inversions] Haut J, et al. **Bull Soc Ophtalmol Fr** 1980 Jun-Jul;80(6-7):517-8 (Fre)

ADVERSE EFFECTS

Migratory silicone granuloma. Mason J, et al. **Arch Dermatol** 1981 Jun;117(6):366-7

Results of silicone oil injection into the vitreous. Alexandridis E, et al. **Dev Ophthalmol** 1981;2:24-7

Effect of PMMA and silicone lens materials on normal rabbit corneal endothelium: an in vitro study. Kassar BS, et al. **J Am Intraocul Implant Soc** 1980 Oct;6(4):344-6

Silicone cell inclusions causing multi-organ foreign body reaction in dialysed patients [letter] Bommer J, et al. **Lancet** 1981 Jun 13;1(8233):1314

Silicone syncope [letter] Thomsen TA, et al. **N Engl J Med** 1980 Oct 2;303(14):817

[Tissue reactions to silicon sponge in scleral buckling (author's transl)] Wang XL. **Chung Hua Yen Ko Tsa Chih** 1979;15(4):277-8 (Chi)

[Complications of intra-ocular silicone injections] Haut J, et al. **Bull Soc Ophtalmol Fr** 1980 Jun-Jul;80(6-7):519-23 (Fre)

ANALYSIS

Migration of silicone gel to axillary lymph nodes after prosthetic mammoplasty. Hausner RJ, et al. **Arch Pathol Lab Med** 1981 Jul;105(7):371-2

BLOOD

Evaluation of plasma polymerized hexamethylcyclotrisiloxane biomaterials towards adhesion of canine platelets and leucocytes. Chawla AS. **Biomaterials** 1981 Apr;2(2):83-8

DIAGNOSTIC USE

[Use of pereflat in the systematic preparation for echography exams of the abdomen and of the pelvis (apropos of 1000 cases)] Bruneton JN, et al. **Med Chir Dig** 1981;10(1):77-9 (Fre)

PHARMACODYNAMICS

Cisobitan--a new drug with anti-gonadotropic and anti-androgenic properties. Pharmacological effects. Sundwall A. **Scan J Urol Nephrol [Supp]** 1980;55:121-5

Effect of Mylanta on naproxen bioavailability. Weber SS, et al. **Ther Drug Monit** 1981;3(1):75-83

THERAPEUTIC USE

Use of silicone rubber to facilitate shunt takedown. Laks H. **Ann Thorac Surg** 1981 Jul;32(1):97-8

Use of liquid silicone in vitrectomised eyes. Scott JD. **Dev Ophthalmol** 1981;2:185-90

Clinical trial of a new antigonadotropic substance, 2,6-cis-diphenylhexamethylcyclotetrasiloxane, in cancer of the prostate. A pilot study. Collste L, et al. **Eur Urol** 1981; 7(2):85-8

Influence of smoking on healing rate of duodenal ulcer in response to cimetidine or high-dose antacid. Korman MG, et al. **Gastroenterology** 1981 Jun;80(6):1451-3

The intraocular use of liquid silicone [editorial] Scott JD. **J Am Intraocul Implant Soc** 1980 Oct;6(4):338-9

Preservation of digital length after traumatic bony loss. Stern PJ. **J Hand Surg** 1981 Jul;6(4):361-3

Complications of intraocular injections of silicone combined with vitrectomy. Haut J, et al. **Ophthalmologica** 1980; 180(1):29-35

Double-blind clinical, endoscopic and histological comparison of hydrotalcite/dimethicone suspension and magnesium hydroxide/aluminum hydroxide suspension in the treatment of symptomatic gastritis. Cobden I, et al. **Pharmatherapeutica** 1981;2(9):607-12

[Use of intraocular silicone in 200 cases] Haut J, et al. **Bull Soc Ophtalmol Fr** 1979 Aug-Sep;79(8-9):797-9 (Fre)

[Intraocular silicone in the treatment of retinal detachment. Indications. Technical notes] Ravault M, et al. **Bull Soc Ophtalmol Fr** 1981 Apr-May;81(4-5):509-10 (Fre)

[Stomalene in esophagogastric pathology, Study in 25 patients] Saigot T. **Med Chir Dig** 1980;9(7):651-2 (Fre)

[Use of simethicone in the prevention of postoperative abdominal discomfort and gastrointestinal distension after cesarean section] Avramović D, et al. **Jugosl Ginekol Opstet** 1979 Sep-Dec;19(5-6):307-11 (Eng. Abstr.) (Ser)

[Silicon oil and activity in plastic bags - an alternative treatment for hand burns] Jonsson G, et al. **Lakartidningen** 1981 Jan 21;78(4):246-50 (Eng. Abstr.) (Swe)

TOXICITY

Toxicological assessment of heat transfer fluids proposed for use in solar energy applications, II. Marshall TC, et al. **Toxicol Appl Pharmacol** 1981 Mar 30;58(1):31-8

SILICOSIS

BLOOD

[Effect of blood proteins on various rheological characteristics and viscosity of blood in silicosis] Przybyłowski J, et al. **Pneumonol Pol** 1981;49(4):283-6 (Eng. Abstr.) (Pol)

COMPLICATIONS

The relationship among silica, silicosis, and lung carcinoma. Lebowitz MD. **Ariz Med** 1981 Aug;38(8):596-8

Long-term prognosis of pulmonary hypertension in silicosis. Jandová R, et al. **Cor Vasa** 1980;22(4):221-37

Experimental infective pneumoconiosis: effect of fibrous and non-fibrous silicates and Candida albicans on the lungs of guinea pigs. Zaidi SH, et al. **Ind Health** 1981;19(2):85-91

[Long term prognosis of pulmonary hypertension in silicosis] Jandová R, et al. **Vnitr Lek** 1981 Jan;27(1):14-27 (Eng. Abstr.) (Cze)

[Fibrogenous effect of silica dust from different soil deposits in Poland] Woźniak H, et al. **Med Pr** 1980;31(5):363-9 (Eng. Abstr.) (Pol)

[Diffuse pulmonary fibrosis. Importance of the patient's occupational history] Tor J, et al. **Rev Clin Esp** 1980 Aug 15-31;158(3-4):167-9 (Spa)

DIAGNOSIS

Ventilatory functions and sputum cytology in slate pencil workers silicosis. Jain SM, et al. **Indian J Chest Dis Allied Sci** 1980 Apr-Jun;22(2):103-9

Elemental content in alveolar septa in various pneumoconioses. Siegesmund KA, et al. **Scan Electron Microsc** 1980;(Pt 2):485-91

[Preliminary evaluation of 4 biochemical indices in the diagnosis of silicosis (author's transl)] Li H. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1979;13(3):162-6 (Chi)

[Behavior of plasma ACE (angiotensin-converting enzyme) in pulmonary silicosis] D'Andrea F, et al. **Med Lav** 1979 Sep-Oct;70(5):369-74 (Eng. Abstr.) (Ita)

[Silicotic isolated pulmonary lesion] Brabletz A, et al. **Wiad Lek** 1980 Aug 15;33(16):1311-3 (Eng. Abstr.) (Pol)

[Bronchoscopic semiotics of silicosis and silicotuberculosis] Shulutko ML, et al. **Gig Tr Prof Zabol** 1980 Apr;(4):26-30 (Eng. Abstr.) (Rus)

[Immunological studies in the differential diagnosis of silicosis and silicotuberculosis] Kazantseva SV, et al. **Lab Delo** 1980; (7):431-3 (Eng. Abstr.) (Rus)

ENZYMOLOGY

Lactate dehydrogenase isoenzymes in macrophages and serum during the development of pulmonary silicosis in the rat. Bansal SK, et al. **Toxicol Lett** 1981 Feb; 7(4-5):279-83

ETIOLOGY

Laboratory testing of biological activity of ore mine dust: fibrogenicity, cytotoxicity, and hemolytic activity. David A, et al. **Environ Res** 1981 Feb;24(1):140-51

Bronchopulmonary humoral and cellular enhancement in experimental silicosis. Stankus RP, et al. **J Reticuloendothel Soc** 1981 Feb;29(2):153-61

[Pneumoconiosis due to amorphous silica smoke. Mineralogical and ultrastructural study of 6 cases (author's transl)] Brambilla C, et al. **Rev Fr Mal Respir** 1980; 8(5):383-91 (Fre)

[Effect of the age factor on lipid metabolic status and the development of silicosis in rats] Babushkina LG. **Gig Tr Prof Zabol** 1981 Apr;(4):27-30 (Eng. Abstr.) (Rus)

[Development of experimental silicosis from the chronic inhalation of a colloidal solution of silicic acid] Podgaiko GA, et al. **Gig Tr Prof Zabol** 1980 Jul;(7):24-7 (Eng. Abstr.) (Rus)

[Role of free radical oxidative reactions in the pathogenesis of silicosis] Ivanova AS, et al. **Vopr Med Khim** 1980 Sep-Oct;26(5):595-8 (Eng. Abstr.) (Rus)

FAMILIAL & GENETIC

Role of family susceptibility, occupational and family histories and individuals' blood groups in the development of silicosis. Noweir MH, et al. **Br J Ind Med** 1980 Nov; 37(4):399-404

HISTORY

Man-made mineral fibres: a historical note. Wright DS. **J Soc Occup Med** 1980 Oct;30(4):138-40

Knappers' rot. Silicosis in East Anglian flint-knappers. Shaw AB. **Med Hist** 1981 Apr;25(2):151-68

IMMUNOLOGY

Murine immunological and histological changes in response to chronic silica exposure. Burns CA, et al. **Environ Res** 1980 Apr;21(2):298-307

METABOLISM

[Change of lung tissue lipid in experimental silicosis (author's

transl)] Jiang HX.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1980 Feb;3(2):94–6 **(Chi)**
[Recent progress on the biochemical study of silicosis] Li YR. **Sheng Li Ko Hsueh Chin Chan** 1980 Mar;11(3):263–4, 262 **(Chi)**
[Effect of collagenase on sclerosis in different types of pneumoconiosis] Belobragina GV. **Gig Tr Prof Zabol** 1980 Apr;(4):30–3 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Silicosis in the 1980's. Banks DE, et al.
Am Ind Hyg Assoc J 1981 Jan;42(1):77–9
[The building and construction industry. Occurrence of silicosis in non-traditional occupations] Askergren A, et al. **Lakartidningen** 1980 Dec 10;77(50):4781–3 (Eng. Abstr.) **(Swe)**

PATHOLOGY

Experimental silicosis: morphologic and biochemical abnormalities produced by intratracheal instillation of quartz into guinea pig lungs. Dauber JH, et al.
Am J Pathol 1980 Dec;101(3):595–612
Use of backscattered electron imaging to quantify the distribution of inhaled crystalline silica. Brody AR, et al. **Scan Electron Microsc** 1980;(3):301–6

PHYSIOPATHOLOGY

Cardiopulmonary adaptation to exercise in coal miners. Scano G, et al. **Arch Environ Health** 1980 Nov–Dec; 35(6):360–6
Lung mechanical properties in silicosis and silicoanthracosis. Bohadana AB, et al. **Bull Eur Physiopathol Respir** 1980 Jul–Aug;16(4):521–32
Macrophages and reparation with special reference to silicosis. Kulonen E. **Suppl Thromb Haemostas** 1978; 63:347–55
[Importance of ergooxytensiometry in the evaluation of dust exposure and of patients with lung silicosis] Bürkmann I. **Z Gesamte Inn Med** 1980 Dec 15;35(24):873–8 **(Ger)**
[Studies on multiple breath nitrogen washout test (IDI) in patients with pulmonary silicosis (author's transl)] Minami Y, et al. **Kokyu To Junkan** 1980 Nov;28(11):1283–7 (Eng. Abstr.) **(Jpn)**

PREVENTION & CONTROL

Attempt to influence silicotic fibrosis by means of N-(2-hydroxyethyl) palmitamide (Impulsin). Hurych J, et al. **Czech Med** 1980;3(3):218–25
[Results and prospects of controlling silicosis in Dinas brick and chamotte manufacture] Lemiasev MF, et al.
Gig Tr Prof Zabol 1981 Feb;(2):13–6 (Eng. Abstr.) **(Rus)**

RADIOGRAPHY

[X-ray diagnosis of silicosis in China and international classification. I. Study on small opacities (author's transl)] Liu MG. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1980; 14(1):20–3 **(Chi)**
[X-ray diagnosis of silicosis in China and international classification. II. Study on large opacities (author's transl)] Liu MG. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1980; 14(1):23–6 **(Chi)**
[Radiological analysis of 15 cases of silicosis complicated with middle-lobe syndrome (author's transl)] Wang MH. **Chung Hua Yu Fang I Hsueh Tsa Chih** 1980 Aug; 14(3):162–3 **(Chi)**

RADIONUCLIDE IMAGING

Cryptic pulmonary lesions in workers occupationally exposed to dust containing silica. Craighead JE, et al. **JAMA** 1980 Oct 24–31;244(17):1939–41

URINE

[Urinary hydroxyproline in experimental silicosis in rats] Pawelec D, et al. **Pneumonol Pol** 1980 Jul;48(7):481–4 (Eng. Abstr.) **(Pol)**

VETERINARY

Silicate pneumoconiosis and pulmonary fibrosis in horses from the Monterey-Carmel peninsula. Schwartz LW, et al. **Chest** 1981 Jul;80(1 Suppl):82–5

SILICOTUBERCULOSIS

DIAGNOSIS

[Bronchoscopic semiotics of silicosis and silicotuberculosis] Shulutko ML, et al. **Gig Tr Prof Zabol** 1980 Apr;(4):26–30 (Eng. Abstr.) **(Rus)**
[Immunological studies in the differential diagnosis of silicosis and silicotuberculosis] Kazantseva SV, et al. **Lab Delo** 1980; (7):431–3 (Eng. Abstr.) **(Rus)**
[Endoscopic picture of bronchial tuberculosis in silicotuberculosis] Dolgina AG. **Probl Tuberk** 1981 Jan; (1):42–5 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

[Treatment of the bronchial system in silicotuberculosis] Repnitskaia ZD, et al. **Gig Tr Prof Zabol** 1981 May;(5):15–8 (Eng. Abstr.) **(Rus)**
[Methods of increasing the effectiveness of silicotuberculosis treatment] Repnitskaia ZD, et al. **Probl Tuberk** 1980 Nov; (11):21–4 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

[Comparative study of the biological properties of the Mycobacterium tuberculosis isolated from coniotuberculosis and pulmonary tuberculosis patients] Beskrovnyĭ PS, et al. **Mikrobiol Zh** 1980 Jul–Aug; 42(4):477–81 (Eng. Abstr.) **(Rus)**
[Nonspecific infection in coniotuberculosis] Beskrovnyĭ PS, et al. **Probl Tuberk** 1980 Oct;(10):71–3 (Eng. Abstr.) **(Rus)**

PATHOLOGY

[Pathological study of 20 cases of silico-tuberculosis (author's transl)] Zheng ZR.
Chung Hua Chieh Ho Ho Hu Hsi Hsi Chi Ping Tsa Chih 1979;2(4):209–10 **(Chi)**

PHYSIOPATHOLOGY

[Zonal rheography of the lungs in siderosilicotuberculosis] Afonin AP. **Vrach Delo** 1981 Aug;(8):69–70 **(Rus)**

RADIOGRAPHY

[Radiology in silico-tuberculosis (author's transl)] Otto H. **Radiologe** 1981 Mar;21(3):122–6 (Eng. Abstr.) **(Ger)**

SILKWORMS

ANALYSIS

Large-scale purification of prothoracicotropic hormone of the silkworm (Bombyx mori). Nagasawa H, et al.
Sci Sin 1980 Aug;23(8):1053–60

ANATOMY & HISTOLOGY

An analytical study of the neurosecretory cells of the brain in Philosamia ricini (Hutt.) (Lepidoptera: Saturniidae) during post-embryonic development. Awasthi VB, et al. **Experientia** 1981 Apr 15;37(4):372–5
The anatomy and histology of the ecdysial glands of Philosamia ricini (Hutt.) (Lepidoptera: Saturniidae) during the post embryonic development. Singh UV, et al.
Z Mikrosk Anat Forsch 1980;94(5):850–64

CYTOLOGY

Humoral factors promoting the adhesive properties of the granular cells and plasmatocytes of the silkworm, Bombyxmori, and their possible role in the initial cellular reactions to foreignness. Wago H. **Cell Immunol** 1980 Aug 15;54(1):155–69
Neurosecretion in the frontal ganglion of Achoea janata Linn. and Philosamia ricini (Hutt.) (Lepidoptera). Awasthi VB. **Z Mikrosk Anat Forsch** 1980;94(5):825–32

EMBRYOLOGY

In vivo kinetics of pyrrolidonecarboxylic acid formation in selected silkmoth chorion proteins. Regier JC, et al.
J Biol Chem 1981 Jun 25;256(12):6444–51

ENZYMOLOGY

Adenylate cyclase in silkworm. Effects of adenosine 3'-phosphate and 2'-deoxyadenosine 3'-phosphate on the enzyme system in fat body. Morishima I.
Biochim Biophys Acta 1980 Jun 13;613(2):507–13

GENETICS

Isoaccepting tRNAs of posterior silkgland of mature Bombyx mori. Matsuzaki K, et al.
Biochem Biophys Res Commun 1981 Jun 16;100(3):1272–7
Genetics of insect hemolymph beta-N-acetylglucosaminidase in the silkworm, Bombyx mori. Kimura S.
Biochem Genet 1981 Feb;19(1–2):1–14
Molecular analysis of the GrB mutation in Bombyx mori through the use of chorion cDNA library. Iatrou K, et al. **Cell** 1980 Jul;20(3):659–69
Structure, organization and evolution of developmentally regulated chorion genes in a silkmoth. Jones CW, et al. **Cell** 1980 Dec;22(3):855–67
Effect of the pleiotropic GrB mutation of Bombyx mori on chorion protein synthesis. Nadel MR, et al. **Cell** 1980 Jul; 20(3):649–58
5' flanking sequence signals are required for activity of silkworm alanine tRNA genes in homologous in vitro transcription systems. Sprague KU, et al. **Cell** 1980 Nov; 22(1 Pt 1):171–8
Chromosome organization during male meiosis in Bombyx mori. Rattner JB, et al. **Chromosoma** 1981;82(3):341–51
Organization of the chorion genes of Bombyx mori, a multigene family. III. Detailed marker composition of three gene clusters. Goldsmith MR, et al. **Genetics** 1980 Sep; 96(1):201–12
Differential usage of iso-accepting tRNASer species in silk glands of Bombyx mori. Hentzen D, et al. **Nature** 1981 Mar 19;290(5803):267–9
Nucleotide sequences and evolutional aspect of 5S ribosomal RNAs from Lingula and silkworm. Komiya H, et al.
Nucleic Acids Symp Ser 1980;(8):s119–22

GROWTH & DEVELOPMENT

The programming of silk-gland development in Bombyx mori. I. Effects of experimental starvation on growth, silk production, and autolysis during the fifth larval instar studied by electron microscopy. Blaes N, et al.
Cell Tissue Res 1980;213(2):311–24
Repeated turn-off and turn-on of fibroin gene transcription during silk gland development of Bombyx mori. Maekawa H, et al. **Dev Biol** 1980 Aug;78(2):394–406

IMMUNOLOGY

The role of hemolymph in the initial cellular attachment to foreign cells by the hemocytes of the silkworm, Bombyx mori. Wago H. **Dev Comp Immunol** 1981 Spring;5(2):217–27

METABOLISM

Developmental changes in the methylation silkmoth follicular epithelial messenger ribonucleic acid. Morrow CS, et al. **Biochemistry** 1981 Apr 14;20(8):2086–91
Complexity and diversity of polyadenylated mRNA in the silk gland of Bombyx mori: changes related to fibroin production. Couble P, et al. **Dev Biol** 1981 Feb;82(1):139–49
Active transport of potassium by insect midgut. Blankemeyer JT. **Fed Proc** 1981 Jul;40(9):2412–6
Free amino acids in the food, gut, and excreta of the tasar silkworm, Antheraea mylitta D. (Lepidoptera: Saturniidae) during larval development. Poonia FS.
Folia Biol (Krakow) 1980;28(3):263–7
Variations in different biochemical parameters in the fat body of Antheraea mylitta (Tasar silk worm). Pant R, et al.
Indian J Exp Biol 1980 May;18(5):537–9
Abnormal codon recognition of glycyl-tRNA from the posterior silk glands of Bombyx mori. Kawakami M, et al. **J Biochem (Tokyo)** 1980 Oct;88(4):1151–7
Initiation of fibroin biosynthesis. I. Isolation of nascent fibroin peptides from the posterior silk gland of Bombyx mori. Ohmachi T, et al. **J Biochem (Tokyo)** 1981 Feb;89(2):531–41
Internal structure of the silk fibroin gene of Bombyx mori. I The fibroin gene consists of a homogeneous alternating array of repetitious crystalline and amorphous coding sequences. Gage LP, et al. **J Biol Chem** 1980 Oct 10; 255(19):9444–50
Internal structure of the silk fibroin gene of Bombyx mori. II. Remarkable polymorphism of the organization of crystalline and amorphous coding sequences. Manning RF, et al. **J Biol Chem** 1980 Oct 10;255(19):9451–7
Secretory mechanism of fibroin, a silk protein, in the posterior silk gland cells of Bombyx mori. Sasaki S, et al.
Membr Biochem 1980;3(1–2):37–47
[Metabolism of 14C-soluble proteins from silkworm tissues during silk formation] Klunova SM, et al. **Biokhimiia** 1980 Nov;45(11):2044–52 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

[Pathohistological and ultrastructural studies of the nuclear polyhedrosis virus in the silkworm (Bombyx mori L.)] Manchev M, et al. **Vet Med Nauki** 1980;17(9–10):9–18 (Eng. Abstr.) **(Bul)**

PHYSIOLOGY

Effect of prostaglandins & inhibitors of prostaglandin biosynthesis on oviposition in the silkmoth Bombyx mori. Settya BN, et al. **Indian J Exp Biol** 1980 May;18(5):539–41
Tracheal volume in the pupa of the Saturniid moth Hyalophora cecropia determined with inert gases. Bridges CR, et al. **Respir Physiol** 1980 Jun;40(3):281–91
[Silkworms as a model for human diseases] Doira H.
Jikken Dobutsu 1980 Jul;29(3):369–72 **(Jpn)**

SILO FILLER'S DISEASE see under **LUNG DISEASES**

SILOXANES see under **SILICONES**

SILVER

A rapid sensitive silver stain for polypeptides in polyacrylamide gels. Merril CR, et al. **Anal Biochem** 1981 Jan 1;110(1):201–7
Metal-flavin complexation. A resonance Raman investigation. Benecky M, et al. **Biochim Biophys Acta** 1980 Nov 20;626(1):197–207
Electric dichroism and sedimentation velocity studies of DNA-Hg(II) and DNA-Ag(I) complexes. Ding D, et al.
Biochim Biophys Acta 1980 Nov 14;610(1):64–71
A circular dichroism study on the structure of DNA and the nucleosomal core particle using Hg(II) and Ag(I). Ding D, et al. **Biochim Biophys Acta** 1980 Nov 14;610(1):72–80
Silver-copper-germanium alloys (Potential for oral restorations). Youdelis WV, et al. **Can Dent Assoc J** 1981 Feb;47(2):101–6
Peptide segment coupling in aqueous medium: silver ion activation of the thiolcarboxyl group. Blake J.
Int J Pept Protein Res 1981 Feb;17(2):273–4
Mechanical tests of smooth silver-plated retention pins in

amalgam. Galindo Y, et al. **J Dent Res** 1980 Mar; 59(3):620–4

Age-hardening of dental Ag–Pd–Cu–Au alloys. Ohta M, et al. **J Dent Res** 1980 Nov;59(11):1966–71

Determination of the AuCu superlattice formation region in gold–copper–silver ternary system. Uzuka T, et al. **J Dent Res** 1981 May;60(5):883–9

In vitro corrosion and tarnish analysis of the Ag–Pd binary system. Vaidyanathan TK, et al. **J Dent Res** 1981 Mar; 60(3):707–15

Copper and silver corrosion activity in crown and bridge alloys. Wright DC, et al. **J Dent Res** 1981 Apr;60(4):809–14

[Corrosion currents in silver amalgams] De Baets M. **Rev Belge Med Dent** 1980 Sep;35(3):85–7 **(Dut)**

[Finishing and polishing of silver amalgam] Huysmans J, et al. **Rev Belge Med Dent** 1979;34(4):329–38 **(Fre)**

[Photographic models in the study and valuation of the silver reactions in histology. II. Optical density variation in enlarging exposure scale under the action of the ammonium sulphide on silver (author's transl)] Vialli M, et al. **Mikroskopie** 1980 Jun;36(3–4):117–27 (Eng. Abstr.) **(Ita)**

[Thermodynamic characteristics of nucleic acid complexes with silver ions] Minasian KA, et al. **Biofizika** 1981 May–Jun;26(3):404–10 (Eng. Abstr.) **(Rus)**

ADMINISTRATION & DOSAGE

[Use of silver ions in the combined treatment of cystitis in children] Erokhin AP, et al. **Pediatriia** 1981 Apr;(4):58–60 **(Rus)**

[Treatment of chronic periodontitis of the deciduous and permanent teeth in children using Genis' silver paste] Vinnichenko AV, et al. **Stomatologiia (Mosk)** 1981 May–Jun;60(3):67–9 (Eng. Abstr.) **(Rus)**

[Combined therapy, at the Belokurikha health resort, of rheumatoid arthritis including radon baths and collargol in small doses] Mariukha NP, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1981 May–Jun; (3):56–7 **(Rus)**

ADVERSE EFFECTS

Titanium, silver, and tantalum clips in brain tissue. von Holst H, et al. **Acta Neurochir (Wien)** 1981;56(3–4):239–42

Exposure to mercury and silver during removal of amalgam restorations. Brune D, et al. **Scand J Dent Res** 1980 Oct; 88(5):460–3

[Electrochemical activity at implanted metal electrodes as a response of the brain to injury] Shvets–Téneta–Gurii TB. **Zh Vyssh Nerv Deiat** 1981 Jan–Feb;31(1):148–57 (Eng. Abstr.) **(Rus)**

ANALYSIS

Silver deposition in arteriolar basal laminae in the cerebral cortex of argyric rats. Scott T, et al. **Acta Neuropathol (Berl)** 1980;52(3):243–6

Analytical studies on pyrimidine derivatives. V. Simple and rapid spectrophotometric determination of silver (I) with 5–p– dimethylaminobenzylidene–2–thiobarbituric acid. Nakashima K, et al. **Chem Pharm Bull (Tokyo)** 1980 Aug; 28(8):2518–22

DIAGNOSTIC USE

Determination of the development time for the characterization of the nucleus formation in the argyrophil stainings. Gallyas F. **Acta Histochem (Jena)** 1980;67(1):1–5

The use of sequential silver and quinacrine staining to determine the parental origin and breakpoints of a ring–22 human chromosome. Fowler G, et al. **Clin Genet** 1980 Oct; 18(4):274–9

An argyrophil III method for the demonstration of elastic fibres and membranes. Gallyas F. **Microsc Acta** 1981 Mar; 84(2):135–8

An argyrophil III method for the demonstration of smooth muscle cells in light and polarization microscopy. Gallyas F. **Microsc Acta** 1981 Mar;84(2):139–42

[A highly sensitive silver staining for detection of proteins in polyacrylamide gels (author's transl)] Irie S. **Seikagaku** 1980;52(6):411–3 **(Jpn)**

ISOLATION & PURIFICATION

[Planning the recovery of silver in a polyclinic x-ray office] Gubin SV, et al. **Voen Med Zh** 1981 May;(5):62–3 **(Rus)**

METABOLISM

Interactions of vitamin E and selenium with mercury and silver. Ganther HE. **Ann NY Acad Sci** 1980;355:212–26

Silver retention, total body silver and tissue silver concentrations in argyria associated with exposure to an anti–smoking remedy containing silver acetate. East BW, et al. **Clin Exp Dermatol** 1980 Sep;5(3):305–11

Light and electron microscopic localization of silver in biological tissue. Danscher G. **Histochemistry** 1981; 71(2):177–86

PHARMACODYNAMICS

Effect of silver, gold & mercury colloids on erythrocyte & iron metabolism. Sharma DC, et al. **Indian J Exp Biol** 1980 Nov;18(11):1309–11

Sensitization to X-rays of transforming DNA by Ag+. Held KD, et al. **Int J Radiat Biol** 1980 Sep;38(3):293–307

Effect of fluoride and non-fluoride salts of copper, silver and tin on the acidogenicity of dental plaque in vivo. Oppermann RV, et al. **Scand J Dent Res** 1980 Dec; 88(6):476–80

[Histopathologic effects of AH–26 and calcium hydroxide and mixtures of both in subcutaneous tissue of rats] Oliveria AS, et al. **Rev Paul Endodontia** 1980 Jul–Sep;1(3):1–16 **(Por)**

THERAPEUTIC USE

Activation of antibacterial silver coatings on surgical implants by direct current: preliminary studies in rabbits. Colmano G, et al. **Am J Vet Res** 1980 Jun;41(6):964–6

[Therapeutic irrigation of the urinary tract with an ionized silver solution in urologic diseases of children] Erokhin AP, et al. **Urol Nefrol (Mosk)** 1981;(3):26–9 (Eng. Abstr.) **(Rus)**

TOXICITY

Effects of selenium, alone and in combination with silver or arsenic, in rats. Cabe PA, et al. **Neurobehav Toxicol** 1979 Winter;1(4):275–8

SILVER NITRATE

Ultrasensitive stain for proteins in polyacrylamide gels shows regional variation in cerebrospinal fluid proteins. Merril CR, et al. **Science** 1981 Mar 27;211(4489):1437–8

ADMINISTRATION & DOSAGE

Does the early application of silver nitrate impair maternal attachment? Butterfield PM, et al. **Pediatrics** 1981 May; 67(5):737–8

ANALYSIS

[Assays of hydrochlorides with silver nitrate in DMSO. Conductimetry. Titration by polarization potentiometry (author's transl)] Lemahieu C, et al. **Ann Pharm Fr** 1980; 38(2):147–53 (Eng. Abstr.) **(Fre)**

DIAGNOSTIC USE

A simplified ultrasensitive silver stain for detecting proteins in polyacrylamide gels. Oakley BR, et al. **Anal Biochem** 1980 Jul 1;105(2):361–3

A rapid method for visualising nerve terminal innervation in human muscle using an acetylcholinesterase method combined with silver staining. Lewkowicz SJ. **J Neurol Sci** 1980 Sep;47(3):419–24

An improved silver staining technique for nucleolus organizer regions by using nylon cloth. Kodama Y, et al. **Jinrui Idengaku Zasshi** 1980 Sep;25(3):229–33

PHARMACODYNAMICS

Modulation oestradiol effects by silver nitrate: inhibition of the adenohypophyseal reaction, block of the ceruloplasmin increase and block of hypothalamic ascorbic acid depletion. Schreiber V, et al. **Endokrinologie** 1980 May;76(2):129–36

Cell cycle analysis and drug inhibition studies of silver staining in synchronous HeLa cells. Hubbell HR, et al. **Exp Cell Res** 1980 Sep;129(1):139–47

A simple silver nitrate impregnation of nerve fibres with preservation of acetylcholinesterase activity at the motor end–plate. Tsuji S, et al. **Experientia** 1980 Nov 15; 36(11):1317–9

Effect of silver nitrate on pregnancy termination in cynomolgus monkeys. Dubin NH, et al. **Fertil Steril** 1981 Jul;36(1):106–9

THERAPEUTIC USE

Centenary of Credé prophylaxis. Newell FW. **Am J Ophthalmol** 1980 Dec;90(6):874–5

Treatment of allergic and vasomotor rhinitis by the local application of silver nitrate. Bhargava KB, et al. **J Laryngol Otol** 1980 Sep;94(9):1025–36

[Preliminary observation on treatment of chyluria with renal pelvic lavage (author's transl)] Hou LQ. **Chung Hua Wai Ko Tsa Chih** 1981 Feb;19(2):96–7 (Eng. Abstr.) **(Chi)**

SILVER PROTEINS

ADMINISTRATION & DOSAGE

[Argyria caused by uncontrolled use of silver protein in vasomotor rhinitis] Akimov VN. **Vestn Otorinolaringol** 1980 Nov–Dec;(6):77–8 **(Rus)**

ADVERSE EFFECTS

Endogenous and exogenous ocular and systemic silver deposition. Spencer WH, et al. **Trans Ophthalmol Soc UK** 1980 Apr;100(Pt 1):171–8

SILVER SULFADIAZINE see under **SULFADIAZINE**

SILYMARIN see under **FLAVONES**

SIMAZINE see under **HERBICIDES, TRIAZINE**

SIMBU GROUP VIRUSES see under **BUNYAVIRIDAE**

SIMETHICONE see under **SILICONES**

SIMIAN SARCOMA VIRUSES see under **RETROVIRIDAE**

SIMIAN VIRUS 40 see **SV40 VIRUS**

SIMMONDS' DISEASE see **HYPOPITUITARISM**

SINDBIS VIRUS

Sindbis virus receptor protein of BHK cells. Duda E, et al. **Acta Virol (Praha)** 1980 Mar;24(2):149–52

Host cell receptors for two strains of Sindbis virus. Smith AL, et al. **Arch Virol** 1980;66(1):11–26

Distribution of virus structural proteins and protein–protein interactions in plasma membrane of baby hamster kidney cells infected with Sindbis or vesicular stomatitis virus. Scheefers H, et al. **Proc Natl Acad Sci USA** 1980 Dec; 77(12):7277–81

Primary structures of the core proteins of the alphaviruses Semliki Forest virus and Sindbis virus. Boege U, et al. **Virology** 1981 Aug;113(1):293–303

ANALYSIS

One extra oligosaccharide chain of the high–mannose class in the E2 protein of a Sindbis virus isolate. Cancedda R, et al. **J Virol** 1981 Apr;38(1):8–14

Amino–terminal sequence analysis of alphavirus polypeptides. Welch WJ, et al. **J Virol** 1981 Jun; 38(3):968–72

Sindbis virus glycoproteins acquire unusual neutral oligosaccharides in both normal and lectin–resistant Chinese Hamster ovary cell lines. Hunt LA. **Virology** 1981 Sep;113(2):534–43

Comparative studies of the 3'–terminal sequences of several alpha virus RNAs. Ou JH, et al. **Virology** 1981 Mar; 109(2):281–9

CLASSIFICATION

Genomic divergence among Sindbis virus strains. Rentier–Delrue F, et al. **Virology** 1980 Oct 15;106(1):59–70

DRUG EFFECTS

[Action of remantadine on virus-specific polypeptide synthesis in a Sindbis virus–infected cell culture] Lazymova ZA, et al. **Vopr Med Khim** 1980 Sep–Oct;26(5):677–9 (Eng. Abstr.) **(Rus)**

GENETICS

Defective interfering particles of Sindbis virus do not interfere with the homologous virus obtained from persistently infected BHK cells but do interfere with Semliki Forest virus. Weiss B, et al. **J Virol** 1981 Feb; 37(2):840–4

Nucleotide sequence of the 26S mRNA of Sindbis virus and deduced sequence of the encoded virus structural proteins. Rice CM, et al. **Proc Natl Acad Sci USA** 1981 Apr; 78(4):2062–6

UCSD gene splicing incident ends unresolved [news] Wade N. **Science** 1980 Sep 26;209(4464):1494–5

A Sindbis virus variant with a cell–determined latent period. Baric RS, et al. **Virology** 1981 Apr 15;110(1):237–42

Sindbis virus. I. Gene order of translation in vivo. Fuller FJ, et al. **Virology** 1980 Dec;107(2):441–51

GROWTH & DEVELOPMENT

Chronic alphavirus infection of L cells. Ivannikova TA, et al. **Acta Virol (Praha)** 1981 Mar;25(2):95–100

Fluorescence photobleaching recovery measurements reveal differences in envelopment of Sindbis and vesicular stomatitis viruses. Johnson DC, et al. **Cell** 1981 Feb; 23(2):423–31

Effects of chloroquine and cytochalasin B on the infection of cells by Sindbis virus and vesicular stomatitis virus. Coombs K, et al. **J Virol** 1981 Mar;37(3):1060–5

Intracellular distribution of Sindbis virus membrane proteins in BHK–21 cells infected with wild–type virus and maturation–defective mutants. Erwin C, et al. **J Virol** 1980 Dec;36(3):775–86

Sindbis virus maturation in cultured mosquito cells is sensitive to actinomycin D. Scheefers–Borchel U, et al. **Virology** 1981 Apr 30;110(2):292–301

[Alphavirus reproduction in cultures of transplantable human lymphoblastoid cells during persistent infections] Novokhatskii AS, et al. **Vopr Virusol** 1981 Mar–Apr; (2):153–60 (Eng. Abstr.) **(Rus)**

IMMUNOLOGY

Haemagglutination inhibition antibodies against Sindbis virus in human and bovine sera in Eastern Sicily [letter] Tempera G, et al. **Acta Virol (Praha)** 1980 Mar;24(2):157

Relationship between enzymatic modifications of serum low density lipoproteins and their haemagglutination inhibiting activity towards Sindbis virus. Mastromarino P, et al. **Arch Virol** 1980;65(1):37–44

Cross–protection correlates with delayed antibody formation to challenge virus after immunization with Sindbis virus. Smith–Owirodu A, et al. **J Gen Virol** 1980 Dec;51(Pt

2):351-7
Chicken fetal antigens: role as cell surface receptors for Sindbis virus hemagglutinin. Sanders BG, et al. **Virology** 1980 Oct 15;106(1):183-6
[Inhibitory effect of homologous antiviral antibodies on viral cell destruction] Karmysheva VIa, et al. **Biull Eksp Biol Med** 1980 Sep;90(9):341-3 (Eng. Abstr.) **(Rus)**

ISOLATION & PURIFICATION

[Isolation of the Sindbis virus from Hyalomma anatolicum CL Kock 1844 ticks in Tadzhikistan] Kostiukov MA, et al. **Med Parazitol (Mosk)** 1981 May-Jun;50(3):34-5 **(Rus)**

METABOLISM

Growth-dependent alterations in oligomannosyl glycopeptides expressed in Sindbis virus glycoproteins. Hakimi J, et al. **Biochemistry** 1980 Nov 25;19(24):5619-24
Evidence that Sindbis virus infects BHK-21 cells via a lysosomal route. Talbot PJ, et al. **Can J Biochem** 1980 Oct; 58(10):1131-7
Identification of a cell-surface protein involved in the binding site of Sindbis virus on human lymphoblastic cell lines using a heterobifunctional cross-linker. Maassen JA, et al. **Eur J Biochem** 1981 Mar 16;115(1):153-8
In vivo NH2-terminal acetylation of Sindbis virus proteins. Bell JR, et al. **J Biol Chem** 1981 Aug 10;256(15):8006-11
Restricted initiation of protein synthesis on the potentially polycistronic Sindbis virus 42 S RNA. Bonatti S, et al. **J Biol Chem** 1980 Dec 10;255(23):11473-7

PHYSIOLOGY

Separation by affinity chromatography of human very low and low density lipoproteins inhibiting Sindbis virus haemagglutination. Seganti L, et al. **Acta Virol (Praha)** 1980 Sep;24(5):311-6
Viral interference and persistence in Sindbis virus infected Aedes albopictus cells. Eaton BT. **Can J Microbiol** 1981 Jun;27(6):563-7 (23 ref.)
Isolation and preliminary characterization of Sindbis virus-resistant Chinese hamster ovary cells. Mento SJ, et al. **Virology** 1981 Jun;111(2):320-30

SINGLE PERSON

A nutrition survey of children from one-parent families in Newcastle upon Tyne in 1970. Darke SJ, et al. **Br J Nutr** 1980 Nov;44(3):237-41
Sex differences in remarriage and spouse selection. Chamie J, et al. **Demography** 1981 Aug;18(3):335-48
Parenting in urban America. Earls F. **J Natl Med Assoc** 1981 Feb;73(2):99-100
Widows and widowers and their medication use: nursing implications. Rosenbaum J. **J Psychiatr Nurs** 1981 Jan; 19(1):17-9
Impact on widows of proposed changes in OASI mother's benefits. Grad S. **Soc Secur Bull** 1981 Feb;44(2):3-18
Aged widows and OASDI: age at and economic status before and after receipt of benefits. Rogers GT. **Soc Secur Bull** 1981 Mar;44(3):3-19
Income and living arrangements among poor aged singles. Tissue T, et al. **Soc Secur Bull** 1981 Apr;44(4):3-13
[Support of and assistance to large families and single citizens with 3 children] Gropp I. **Z Gesamte Hyg** 1980; 26(7):538-45 (Eng. Abstr.) **(Ger)**
[Are unmarried pregnant women candidates for high risk delivery regarding low birth weight? (author's transl)] Reis K, et al. **Zentralbl Gynaekol** 1980;102(23):1383-7 (Eng. Abstr.) **(Ger)**

PSYCHOLOGY

Living alone, social integration, and mental health. Hughes M, et al. **AJS** 1981 Jul;87(1):48-74
Factors associated with mortality after widowhood. Helsing KJ, et al. **Am J Public Health** 1981 Aug;71(8):802-9
Help-seeking behavior among select populations of black unmarried adolescent fathers: implications for human service agencies. Hendricks LE, et al. **Am J Public Health** 1981 Jul;71(7):733-5
Widowhood: a situational life stress or a stressful life event? Susser M. **Am J Public Health** 1981 Aug;71(8):733-5
Becoming a lone parent: a cognitive interactionist approach to appraising and coping during a crisis. Beattie S, et al. **Br J Soc Clin Psychol** 1980 Nov;19(Pt 4):343-51
Relationship of depression to physical and psychologic complaints in the widowed elderly. Elkowitz EB, et al. **J Am Geriatr Soc** 1980 Nov;28(11):507-10
Divorce, single parenting, and child development. Crossman SM, et al. **J Psychol** 1980 Nov;106(Second Half):205-17
Nursing care for the relinquishing mother. Devaney SW, et al. **JOGN Nurs** 1980 Nov-Dec;9(6):375-8
Single custodial fathers and the parent-child relationship. Hanson S. **Nurs Res** 1981 Jul-Aug;30(4):202-4
[Drugs from the patient's viewpoint] Faust-Kübler E. **Soz Praeventivmed** 1980 Mar;25(1-2):44-8 (Eng. Abstr.) **(Ger)**
[Biographical factors and the experience of aging as perceived by single women and long-term widows] Fooken I. **Z Gerontol** 1980 Sep-Oct;13(5):475-90 (Eng. Abstr.) **(Ger)**

SINOATRIAL BLOCK see under **HEART BLOCK**

SINOATRIAL NODE

Overdrive suppression in the transplanted heart: effect of the autonomic nervous system on human sinus node recovery. Mason JW. **Circulation** 1980 Oct;62(4):688-96
Chronic heart block and sinoatrial disorder. Shaw DB, et al. **J R Coll Physicians Lond** 1981 Jul;15(3):179-82
[Coupled type of parasystole and its diagnosis] Kovaleva LI. **Kardiologiia** 1980;20(12):95-8 (Eng. Abstr.) **(Rus)**

DRUG EFFECTS

Electrophysiologic effects of diltiazem, a calcium antagonist, in patients with impaired sinus or atrioventricular node function. Sugimoto T, et al. **Angiology** 1980 Oct; 31(10):700-9
The effects of noradrenaline, applied by microelectrophoresis on different cells of the rabbit's atrial pacemaker. Avanzino GL, et al. **Arch Sci Biol (Bologna)** 1978 Jan-Dec; 62(1-4):177-92
The effect of nifedipine on the sinus and atrioventricular node of the dog heart after beta-adrenergic receptor blockade. Amlie JP, et al. **Br J Clin Prat [Symp Suppl]** 1980;Suppl 8:9-13
Effects of intrinsic sympathetic activity of beta-blockers on SA and AV nodes in man. Leclercq JF, et al. **Eur J Cardiol** 1981;12(6):367-75
Diagnostic capacity of sinus node recovery time after inhibition of autonomous neural tone. Vallin H, et al. **Eur J Cardiol** 1980;12(2):81-93
Effects of commonly used cardioactive drugs on atrial and sinoatrial conduction in man. Leier CV, et al. **J Cardiovasc Pharmacol** 1980 Sep-Oct;2(5):553-66
Comparison of the chronotropic responses to local anesthetics (procaine, lidocaine, prilocaine, mepivacaine and bupivacaine) of the canine sinus node in situ. Satoh H. **Jpn J Pharmacol** 1981 Feb;31(1):85-93
Effect of histamine in sinus node arrested with reserpine. Tuganowski W, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1980 Aug; 313(1):9-10
The time course of the muscarinic response to ionophoretic acetylcholine application to the S-A node of the rabbit heart. Osterrieder W, et al. **Pfluegers Arch** 1981 Mar; 389(3):283-91
[Effects of anti-arrhythmics on the sinus rhythm. Evaluation using long-term electrocardiographic recordings quantified by the Atrec system] Leclercq JF, et al. **Arch Mal Coeur** 1980 Aug;73(8):903-11 (Eng. Abstr.) **(Fre)**
[Effect of propafenon on sinus node function] Sant'Anna JR, et al. **Arq Bras Cardiol** 1980 Jul;35(1):15-8 (Eng. Abstr.) **(Por)**
[Effect of iontophoretic application of acetylcholine on the discharge rate and action potential shape of pacemaker cells] Bochkina GI, et al. **Biull Eksp Biol Med** 1981 Mar; 91(3):259-60 (Eng. Abstr.) **(Rus)**
[Effect of calcitonin on the electrical activity of the sinoatrial node and contractile myocardium of homeotherms] Barabanova VV, et al. **Fiziol Zh SSSR** 1980 Aug; 66(8):1222-9 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

The development of the conduction system in the mouse embryo heart. Virágh S, et al. **Dev Biol** 1980 Nov; 80(1):28-45

METABOLISM

Actions and interactions of norepinephrine and acetylcholine on sinus node potassium movements. Carpentier R, et al. **Arch Sci Biol (Bologna)** 1977 Jan-Dec;61(1-4):75-88

PATHOLOGY

[Anatomical study of the sinus node in atrial arrhythmias in man. Apropos of 111 anatomo-clinical cases] Théry C, et al. **Rev Med Interne** 1980;1(1):97-103 (Eng. Abstr.) **(Fre)**

PHYSIOLOGY

Clinical comparison of indirectly and directly determined sinoatrial conduction time. Rakovec P, et al. **Am Heart J** 1981 Aug;102(2):292-4
Recording of sinus nodal potential [letter] Castillo-Fenoy A. **Am J Cardiol** 1980 Sep;46(3):523
Sinoatrial node artery distribution and its relation to hierarchy of cardiac automaticity. Hardie EL, et al. **Am J Physiol** 1981 Jul;241(1):H45-53
Appraisal of factors influencing the normal sinus node recovery time. Tonkin AM, et al. **Aust NZ J Med** 1980 Oct;10(5):526-32
Mechanism of generation of body surface electrocardiographic P-waves in normal, middle, and lower sinus rhythms. Eifler WJ, et al. **Circ Res** 1981 Feb; 48(2):168-82
Electrical activity from the sinus node region in conscious dogs. Hariman RJ, et al. **Circ Res** 1980 Nov;47(5):775-91
Characterization of refractoriness in the sinus node of the rabbit. Kerr CR, et al. **Circ Res** 1980 Nov;47(5):742-56
Comparative effects of age and sedation on sinus node automaticity and atrioventricular conduction. Clapp S, et al. **Dev Pharmacol Ther** 1981;2(3):180-7
Mechanism of intercellular synchronization in the rabbit sinus node. Tuganowski W, et al. **Experientia** 1981 May 15; 37(5):485-7
Changes in canine P wave morphology observed with shifts in intra-SA nodal pacemaker localization. Goldberg JM, et al. **J Electrocardiol** 1980;13(3):209-18
Activation of the sulcus terminalis observed in the morphology of the canine P wave. Goldberg JM, et al. **J Electrocardiol** 1980;13(3):205-8
Temperature dependence of the chronotropic actions of calcium: functional inhomogeneity of the rabbit sinus node. Mackaay AJ, et al. **J Mol Cell Cardiol** 1980 May; 12(5):433-43
Electrical Activity in canine sinus node cells during arrest produced by acetylcholine. Woods WT, et al. **J Mol Cell Cardiol** 1981 Apr;13(4):249-57
Voltage-clamp investigations of membrane currents underlying pace-maker activity in rabbit sino-atrial node. Brown H, et al. **J Physiol (Lond)** 1980 Nov;308:331-51
Properties of the current if in the sino-atrial node of the rabbit compared with those of the current iK, in Purkinje fibres. DiFrancesco D, et al. **J Physiol (Lond)** 1980 Nov; 308:353-67
A study of pace-maker potential in rabbit sino-atrial node: measurement of potassium activity under voltage-clamp conditions. Maylie J, et al. **J Physiol (Lond)** 1981 Feb; 311:161-78
Mutual entrainment of two pacemaker cells. A study with an electronic parallel conductance model. Ypey DL, et al. **J Theor Biol** 1980 Oct 21;86(4):731-55
Reconstruction of sino-atrial node pacemaker potential based on the voltage clamp experiments. Yanagihara K, et al. **Jpn J Physiol** 1980;30(6):841-57
An experimental method for thermal control of heart rate: work in progress. Parsonnet V, et al. **PACE** 1980 Sep; 3(5):562-7
Pre-P (Sino-atrial node region) activity recording from the right atrial cavity by signal averaging. Stopczyk MJ, et al. **PACE** 1979 Mar;2(2):156-61
Separation of current induced by potassium accumulation from acetylcholine-induced relaxation current in the rabbit S-A node. DiFrancesco D, et al. **Pfluegers Arch** 1980 Sep; 387(2):83-90
Slow inward current and its role mediating the chronotropic effect of epinephrine in the rabbit sinoatrial node. Noma A, et al. **Pfluegers Arch** 1980 Oct;388(1):1-9
On the kinetics of the potassium channel activated by acetylcholine in the S-A node of the rabbit heart. Osterrieder W, et al. **Pfluegers Arch** 1980 Jul;386(2):101-9
Inward current activated during hyperpolarization in the rabbit sinoatrial node cell. Yanagihara K, et al. **Pfluegers Arch** 1980 MAY;385(1):11-9
Potassium current during the pacemaker depolarization in rabbit sinoatrial node cell. Yanagihara K, et al. **Pfluegers Arch** 1980 Dec;388(3):255-60
Postnatal development of electrophysiological properties of pacemaker cells in the rabbit. Pučelík, et al. **Physiol Bohemoslov** 1981;30(1):41-6
[Determination of sinus node recovery time and sino-atrial conduction time (author's transl)] Chen DG. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1979; 7(1):59-62 **(Chi)**
[Sinus function. Contribution of computer technology to the interpretation of data on premature atrial stimulation] Barnay C, et al. **Arch Mal Coeur** 1980 Dec;73(12):1385-94 (Eng. Abstr.) **(Fre)**
[Determination of sinuatrial conduction time in hospital] Griebenow R, et al. **Dtsch Med Wochenschr** 1981 Feb 27; 106(9):273-5 **(Ger)**
[Hemodynamic and electrophysiologic effects of the new calcium antagonist Ro 11-1781 (author's transl)] Bödeker K, et al. **Z Kardiol** 1980 Nov;69(11):790-6 (Eng. Abstr.) **(Ger)**
[Shifting of the sinusal pacemaker induced by diagnostic electrostimulation] Franchi F, et al. **Boll Soc Ital Cardiol** 1979;24(12):1355-66 **(Ita)**
[Calculation of sino-atrial conduction time with the modified Narula technic. Comparison with the Strauss technic] Raviele A, et al. **Boll Soc Ital Cardiol** 1978;23(9):1587-9 **(Ita)**
[Reliability of calculation of sino-atrial conduction time (SACT) with the modified Narula technic] Raviele A, et al. **Boll Soc Ital Cardiol** 1979;24(11):1228 **(Ita)**
[Direct recording of the electrical activity of the sinoatrial node] Rugenius Iu, et al. **Fiziol Zh SSSR** 1980 Jul; 66(7):992-1001 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Sinus node dysfunction in acute myocardial infarction. Simonsen E, et al. **Acta Med Scand** 1980;208(6):463-9
Clinico-experimental approach in the study of intermittent disorders of sinoatrial and atrial electrical activity. Laucevičius A, et al. **Adv Cardiol** 1981;28:126-9
Clinical recordings of monophasic action potentials: demonstration of intra-atrial conduction block in the sinus node region and possible role in reentrant supraventricular tachycardia. Fenici R, et al. **Am Heart J** 1981 July; 102(1):124-8
Response of normal and abnormal sinus node to right ventricular stimulation. Blanc JJ, et al. **Am J Cardiol** 1981

Sep;48(3):429–36

Automaticity of subsidiary pacemakers of patients with dysfunction of the sinus node. Lien WP, et al. **Chest** 1980 Nov;78(5):747–52

Electrophysiologic effects on combined autonomic blockade in patients with sinus node disease. Desai JM, et al. **Circulation** 1981 Apr;63(4):953–60

The nature of atriosinus conduction during rapid atrial pacing in the rabbit heart. Kerr CR, et al. **Circulation** 1981 May; 63(5):1149–57

The human sinus node electrogram: a transvenous catheter technique and a comparison of directly measured and indirectly estimated sinoatrial conduction time in adults. Reiffel JA, et al. **Circulation** 1980 Dec;62(6):1324–34

The role of the autonomic nervous system in patients with sinoatrial and atrioventricular node dysfunction. Boudoulas H, et al. **Eur J Cardiol** 1981;12(6):311–9

Incomplete interpolation caused by sinoatrial pacemaker shift. A report of two cases. Franchi F, et al. **Eur J Cardiol** 1980;12(2):95–101

Electrophysiologic diagnosis of patients with sinus node dysfunction: with special reference to a modified method for calculating sinoatrial conduction time. Chen JJ, et al. **Jpn Circ J** 1980 Sep;44(9):700–8

Impulses of S–A block area. Hiraoka M, et al. **Jpn Heart J** 1980 Sep;21(5):717–28

Symptomatic sinus node disease: natural history after permanent ventricular pacing. Simon AB, et al. **PACE** 1979 May;2(3):305–14

[Recent advances in the knowledge about the sinus node and malfunctions of the sinus] Lekieffre J, et al. **Ann Cardiol Angeiol (Paris)** 1981 Mar–Apr;30(2):109–12 **(Fre)**

[Sinus node dysfunction. Clinical outcome and results of cardiac pacing] Medvedowsky JL, et al. **Arch Mal Coeur** 1980;73(3):254–9 (Eng. Abstr.) **(Fre)**

[Utility of the measure of the atrio-sino-auricular conduction time in sino-auricular disease (author's transl)] Sartieaux A. **Rev Med Brux** 1980 Mar;1(3):145–7 (Eng. Abstr.) **(Fre)**

[Diagnosis of sinoatrial node function by atrial stimulation. Principles and clinical results] Steinbeck G. **Fortschr Med** 1981 Apr 23;99(16):602 **(Ger)**

[Depression of sinus nodal automaticity during permanent atrial pacing for the determination of the sinoatrial conduction time (author's transl)] Griebenow R, et al. **Z Kardiol** 1981 May;70(5):413–8 (Eng. Abstr.) **(Ger)**

[Reproducibility of sinus node recovery time in relation to the time of the day and the overdrive stimulation rate (author's transl)] Thormann J, et al. **Z Kardiol** 1980 Aug; 69(8):542–50 (Eng. Abstr.) **(Ger)**

[Criteria of differential diagnosis of sinoatrial disease with particular regard for the brady–tachy syndrome (author's transl)] Franchi F, et al. **G Ital Cardiol** 1980;10(8):952–66 (Eng. Abstr.) **(Ita)**

[Electrophysiological examination in patients with A–V block--special reference to sinus node function and ventricular recovery time (author's transl)] Ishii Y, et al. **Kokyu To Junkan** 1981 Jan;29(1):87–91 (Eng. Abstr.) **(Jpn)**

[Sick sinus syndrome. Clinical and electrophysiological study] Piwowarska W. **Pol Tyg Lek** 1980 Sep 1; 35(35):1357–60 **(Pol)**

[Changes in ST segment and T wave of the electrocardiogram in the sinus rhythm evolving in patients with implanted pacemakers] Swiątecka G. **Pol Tyg Lek** 1981 Mar 2;36(9):321–4 (Eng. Abstr.) **(Pol)**

[Impulsogenic and conduction system of the myocardium studied by means of transesophageal left-atrial stimulation in patients with systemic lupus erythematosus] Wodniecki J, et al. **Pol Tyg Lek** 1980 Oct 13;35(41):1569–72 (Eng. Abstr.) **(Pol)**

ULTRASTRUCTURE

The caveolae in rabbit sinus node and atrium. Masson-Pévet M, et al. **Cell Tissue Res** 1980;208(2):183–96

Observations on the sinuatrial nodal artery of the rat. Taylor IM. **J Anat** 1980 Jun;130(4):821–31

SINTAMIL see under **DIBENZOXAZEPINES**

SINUS ARRHYTHMIA see **ARRHYTHMIA, SINUS**

SINUS OF VALSALVA

Uncomplicated sinus of Valsalva aneurysm detected by echocardiography in an asymptomatic patient: case report. Zoneraich S, et al. **Angiology** 1981 Jan;32(1):34–9

Multiple coronary artery aneurysms with aortic sinus aneurysms. A case report. Brewer JM, et al. **Arch Pathol Lab Med** 1980 Nov;104(11):592–4

Fallot's tetralogy. Its occurrence with absent pulmonary valve and sinus of Valsalva aneurysm in an adult. Parker ME, et al. **Arch Pathol Lab Med** 1980 Nov;104(11):597–8

Aneurysm of the sinus of valsalva secondary to rheumatoid nodulosis [letter] Shearn DL. **Arthritis Rheum** 1981 Jul; 24(7):978

Detection of ruptured aneurysm of sinus of Valsalva by contrast two-dimensional echocardiography. Nakamura K, et al. **Br Heart J** 1981 Feb;45(2):219–21

Two-dimensional echocardiographic diagnosis of a ruptured right sinus of Valsalva aneurysm. Schatz RA, et al. **Chest** 1981 May;79(5):584–6

Mechanical hemolytic anemia after surgical correction of a congenital cardiopathy. Morillo F, et al. **J Cardiovasc Surg (Torino)** 1980 Nov-Dec;21(6):687–92

Cardiovascular collapse in a teen-age girl. Waldman JD, et al. **J Pediatr** 1981 Jan;98(1):163–8

Deductive echocardiography in a case of ruptured sinus valsalva aneurysm into the right ventricle. Kasper W, et al. **Z Kardiol** 1980 Apr;69(4):287–90

[A case report of ruptured aneurysm of sinus of Valsalva (IIIv type) (author's transl)] Aoyagi S, et al. **Kyobu Geka** 1980 Oct;33(10):780–3 (Eng. Abstr.) **(Jpn)**

[A successful surgical treatment of congenital bicuspid aortic stenosis with mycotic aneurysm of the sinus of Valsalva (author's transl)] Hayashi K, et al. **Kyobu Geka** 1980; 33(12):951–5 (Eng. Abstr.) **(Jpn)**

[Aneurysms of the aortic sinus of Valsalva] Hoepfner C, et al. **Arq Bras Cardiol** 1980 Jun;34(6):475–9 (Eng. Abstr.) **(Por)**

ABNORMALITIES

Anomalous origin of the left coronary artery from the anterior aortic sinus: a potential cause of sudden death. Anatomic characterization and surgical treatment. Mustafa I, et al. **J Thorac Cardiovasc Surg** 1981 Aug;82(2):297–300

INNERVATION

Pseudohypertension in sinoaortic-denervated rats. Norman RA Jr, et al. **Clin Sci [Suppl]** 1980 Dec;59 Suppl 6:303s–306s

Continuous monitoring of arterial pressure indicates sinoaortic denervated rats are not hypertensive. Norman RA Jr, et al. **Hypertension** 1981 Jan–Feb;3(1):119–25

PATHOLOGY

[Echocardiographic manifestations of ruptured aneurysm of right sinus of Valsalva into right ventricle] Liu HY, et al. **Chung Hua Hsin Hsueh Kuan Ping Tsa Chih** 1980;8(1):10–2 (Eng. Abstr.) **(Chi)**

[Congenital heart diseases] Okada R. **Nippon Rinsho** 1980 Aug;38(8):3042–5 **(Jpn)**

PHYSIOPATHOLOGY

Echocardiographic diagnosis of congenital sinus of Valsalva aneurysm with dissection of the interventricular septum. Engel PJ, et al. **Circulation** 1981 Mar;63(3):705–11

RADIOGRAPHY

[Severe aortic sinus aneurysm complicated by a mitral valve defect] Gander M, et al. **ROEFO** 1980 Jul;133(1):94–7 **(Ger)**

SURGERY

Surgical treatment of the ruptured aneurysm of the aortic sinuses. Pan-Chih, et al. **Ann Thorac Surg** 1981 Aug; 32(2):162–6

Ruptured sinus of Valsalva aneurysm: diagnosis by echocardiography. Haaz WS, et al. **Chest** 1980 Nov; 78(5):781–4

Surgical correction of ruptured aneurysm of aortic sinus of Valsalva. Kim KS, et al. **Yonsei Med J** 1979;20(2):162–9

[Large unruptured aneurysm of the sinus of Valsalva discovered by a ventricular tachycardia. Report of a 77 years old man's case successfully treated by surgery (author's transl)] David M, et al. **Ann Chir** 1981; 35(3):187–90 (Eng. Abstr.) **(Fre)**

[Aneurysms of the Valsalva sinus. Study of ten treated subjects (author's transl)] Gordini V, et al. **G Ital Cardiol** 1980;10(7):897–901 (Eng. Abstr.) **(Ita)**

SINUS THROMBOSIS

CHEMICALLY INDUCED

[Cerebrovascular complications following intake of oral contraceptives (review of the literature apropos of a case] Bouraoui K, et al. **Union Med Can** 1980 Feb;109(2):284–8 (16 ref.) (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Non-operative management of pseudotumor cerebri caused by lateral sinus thrombosis. Morantz RA, et al. **J Kans Med Soc** 1980 Oct;81(10):465–6

Hypopituitarism after aseptic cavernous sinus thrombosis. Oliven A, et al. **Neurology (NY)** 1980 Aug;30(8):897–9

[A case of superior sagittal sinus thrombosis with primary thrombocythemia (author's transl)] Iijima S, et al. **Rinsho Shinkeigaku** 1980 May;20(5):333–8 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

[Thrombosis of the cerebral sinuses and veins associated with pregnancy, birth and puerperium] Gusev VA, et al. **Sov Med** 1980;(7):116–8 **(Rus)**

[Rheoencephalography in the clinical examination of otogenic intracranial complications] Bussel' LG. **Vestn Otorinolaringol** 1981;(3):41–5 (Eng. Abstr.) **(Rus)**

[Thrombosis of the superior sagittal sinus in the puerperium] Hedstrand H, et al. **Lakartidningen** 1980 Aug 20; 77(34):2813–4 **(Swe)**

DRUG THERAPY

Heparin-urokinase treatment in aseptic dural sinus thrombosis. Di Rocco C, et al. **Arch Neurol** 1981 Jul; 38(7):431–5

[Cerebral venous and sinus thrombosis treatment with anticoagulants (author's transl)] Dörstelmann D, et al. **Nervenarzt** 1981 Apr;52(4):243–6 **(Ger)**

ETIOLOGY

Lateral sinus thrombosis. Jackson CG, et al. **Am J Otol** 1979 Jul;1(1):49–51

Intracranial complications of otogenic disease. Nissen AJ. **Am J Otol** 1980 Oct;2(2):164–7

Cavernous sinus thrombosis: a complication of maxillary surgery. Stern NS, et al. **J Oral Surg** 1981 Jun;39(6):436–8

Sagittal sinus thrombosis in the nephrotic syndrome. Lau SO, et al. **J Pediatr** 1980 Dec;97(6):948–50

Dural venous sinus thrombosis in acute lymphoblastic leukemia. Lockman LA, et al. **Pediatrics** 1980 Dec; 66(6):943–7

[Superior sagittal sinus thrombosis due to familial antithrombin III deficiency: case report of two families (author's transl)] Kobayashi S, et al. **Rinsho Shinkeigaku** 1980 Nov;20(11):904–10 (Eng. Abstr.) **(Jpn)**

PATHOLOGY

[Case of thrombosis of the dura mater sinuses in early pregnancy] Boshnakova Ts, et al. **Akush Ginekol (Sofiia)** 1981;20(1):82–4 **(Bul)**

PHYSIOPATHOLOGY

Alterations in ventricular size and intracranial pressure caused by sagittal sinus pathology in man. d'Avella D, et al. **J Neurosurg** 1980 Nov;53(5):656–61

PREVENTION & CONTROL

Life-threatening infection after extraction of third molars. Dever CB, et al. **J Am Dent Assoc** 1980 Oct;101(4):649–50

RADIOGRAPHY

Changing ventricular size in dural sinus thrombosis. Munderloh S, et al. **Comput Tomogr** 1981 Jan–Mar; 5(1):11–6

Computed tomography of deep cerebral venous thrombosis in children. Eick JJ, et al. **Radiology** 1981 Aug; 140(2):399–402

Computed tomographic findings in cerebral sinus and venous thrombosis. Rao KC, et al. **Radiology** 1981 Aug; 140(2):391–8

Superior sagittal sinus thrombosis diagnosed by computed tomography. Patronas NJ, et al. **Surg Neurol** 1981 Jan; 15(1):11–4

[Cerebral venous and sinus thrombosis (author's transl)] Mattes W, et al. **Dtsch Med Wochenschr** 1981 Jun 5; 106(23):744–7 (Eng. Abstr.) **(Ger)**

SURGERY

[Vein graft for thrombophlebitis of the lateral sinus following mastoiditis in a 14-year-old boy (author's transl)] de Lumley L, et al. **Arch Fr Pediatr** 1980 Mar;37(3):183–6 (Eng. Abstr.) **(Fre)**

[A case of cerebral venous and superior sagital sinus thrombosis, treated with decompressive craniectomy (author's transl)] Ohya M, et al. **No Shinkei Geka** 1980 Sep;8(9):803–10 (Eng. Abstr.) **(Jpn)**

SINUSITIS

CHEMICALLY INDUCED

[Iatrogenic pathology due to glucocorticosteroids. Pathogenesis on the basis of two cases (author's transl)] Gougelot LM, et al. **Ann Otolaryngol Chir Cervicofac** 1980 Jan–Feb;97(1–2):123–6 (Eng. Abstr.) **(Fre)**

COMPLICATIONS

Cranial complications of frontal sinusitis. Rice DH, et al. **Am Fam Physician** 1980 Nov;22(5):145–9

Sinus headache: a psychophysiological study. Hamilton JG Jr, et al. **Headache** 1980 Sep;20(5):258–60

Sinusitis and bronchial asthma [clinical conference] Salvin RG, et al. **J Allergy Clin Immunol** 1980 Sep;66(3):250–7

Sinus infection and adenotonsillitis in pediatric patients. Paul D. **Laryngoscope** 1981 Jun;91(6):997–1000

Intracranial complications of frontal sinusitis. Remmler D, et al. **Laryngoscope** 1980 Nov;90(11 Pt 1):1814–24

Intracranial complications of sphenoidal sinus inflammation. Cook IF, et al. **Med J Aust** 1981 Apr 4;1(7):366

Intracranial abscesses secondary to ear and paranasal sinuses infections. Maniglia AJ, et al. **Otolaryngol Head Neck Surg** 1980 Nov-Dec;88(6):670–80

Complications of sinusitis in children. Brook I, et al. **Pediatrics** 1980 Oct;66(4):568–72

Orbital complications of acute sinusitis in children. Giletto JB, et al. **Trans Pa Acad Ophthalmol Otolaryngol** 1981 Spring;34(1):60–4

[Orbital involvement in acute sinusitis in children] Sariban E, et al. **Acta Otorhinolaryngol Belg** 1979;33(6):927–35 **(Fre)**

[Optic neuritis caused by ethmoid–sphenoid sinusitis] Haut J, et al. **Bull Soc Ophtalmol Fr** 1981 Feb;81(2):205–8 **(Fre)**

[Pansinusitis with a neurosurgical course in a 13–year–old (author's transl)] Ployet MJ, et al. **Rev Otoneuroophtalmol** 1980 Jul–Sep;52(4):289–93 (Eng. Abstr.) **(Fre)**

[Intracranial abscess a complication of frontal sinusitis] Shaked I, et al. **Harefuah** 1980 Feb 1;98(3):110–2 (Eng. Abstr.) **(Heb)**

[The sino–bronchial syndrome in the adult. Considerations and case reports on 1137 patients treated with drainage of the maxillary sinus at the ORL Division of the Santo Luigi Gonzaga Hospital of Turin] Astesiano A, et al. **Arch Sci Med (Torino)** 1981 Apr–Jun;138(2):195–8 **(Ita)**

[Two cases of epidural abscesses during sinusitis (author's transl)] Zelachowska M, et al. **Otolaryngol Pol** 1981; 35(1):59–63 **(Pol)**

[Brain abscess from primary focus in the paranasal sinuses] Kanios K. **Wiad Lek** 1980 Aug 1;33(15):1261–3 (Eng. Abstr.) **(Pol)**

[Orbital complications of sinus inflammatory processes] Pop R. **Rev Chir [Oftalmol]** 1980 Apr–Jun;24(2):81–7 (24 ref.) (Eng. Abstr.) **(Rum)**

[Acute suppurative pansinusitis complicated by meningoencephalitis, sepsis, subperiosteal abscess of the left frontal sinus and periostitis of the left orbit] Anikeeva ZI, et al. **Vestn Otorinolaringol** 1981 Jan–Feb;(1):59–60 **(Rus)**

[Combined intracranial complication in chronic odontogenic maxillary sinusitis] Khmel'nik VM. **Vestn Otorinolaringol** 1981;(3):87–8 **(Rus)**

[Rhinogenic orbital and intracranial complications in children] Petushkov EV. **Vestn Otorinolaringol** 1980 Nov–Dec;(6):58–60 (Eng. Abstr.) **(Rus)**

[Orbital and intracranial complications of sinusitis] Shevrygin BV, et al. **Voen Med Zh** 1981 Feb;(2):55–6 **(Rus)**

DIAGNOSIS

Petriellidium boydii infection of the sphenoid sinus. Bryan CS, et al. **Am J Clin Pathol** 1980 Dec;74(6):846–51

Discrimination of purulent from nonpurulent maxillary sinusitis. Clinical and radiographic diagnosis. Berg O, et al. **Ann Otol Rhinol Laryngol** 1981 May–Jun;90(3 Pt 1):272–5

The diagnosis and treatment of acute maxillary sinusitus. Redstone PM, et al. **Colo Med** 1980 Nov;77(11):407–8, 413–4

Diagnosis of subacute maxillary sinusitis in children. Revonta M, et al. **J Laryngol Otol** 1981 Feb;95(2):133–40

Acute maxillary sinusitis [letter] **N Engl J Med** 1981 Jul 23; 305(4):226–7

Acute sinusitis in childhood [editorial] Healy GB. **N Engl J Med** 1981 Mar 26;304(13):779–80

Acute maxillary sinusitis in children. Wald ER, et al. **N Engl J Med** 1981 Mar 26;304(13):749–54

Chronic sinusitis. Neel HB 3d, et al. **Postgrad Med** 1981 Mar; 69(3):109–13

[Mycoses of the sinus] Le Clech G, et al. **J Fr Otorhinolaryngol** 1979 Nov;28(9):591–6 **(Fre)**

[Occult sinusitis in childhood (author's transl)] Münzel M. **HNO** 1980 May;28(5):161–2 (Eng. Abstr.) **(Ger)**

[Ultrasound testing in the diagnosis and management of maxillary sinusitis in children (author's transl)] Revonta M, et al. **HNO** 1980 Mar;28(3):91–6 (Eng. Abstr.) **(Ger)**

[Medico–legal situation in otolaryngology. Expert commission on medical errors in West Germany: accusation against an otolaryngology physician] Becker W. **Laryngol Rhinol Otol (Stuttg)** 1980 Jul;59(7):442–4 **(Ger)**

[Endoscopy of the frontal sinus––preliminary report] Görisch I, et al. **Z Aerztl Fortbild (Jena)** 1980 Aug 1;74(15):716–7 **(Ger)**

[The membranaceous part of the middle nasal passage in endoscopic examinations (author's transl)] Semczuk B, et al. **Otolaryngol Pol** 1980;34(4):347–50 (Eng. Abstr.) **(Pol)**

[Drug allergy in various categories of medical workers and in patients with allergic nose and sinus diseases] Shal'nova GA, et al. **Gig Tr Prof Zabol** 1981 Jun;(6):42–4 **(Rus)**

[Allergic rhinosinusitis in agricultural machinery operators] Voronkin VF. **Vestn Otorinolaringol** 1981 Mar–Apr; (2):60–3 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Treatment of acute maxillary sinusitis. V. Amoxicillin azidocillin, phenylpropanolamine and pivampicillin. Axelsson A, et al. **Acta Otolaryngol (Stockh)** 1981 Mar–Apr;91(3–4):313–8

Etiology and antimicrobial treatment of acute sinusitis. Gwaltney JM Jr, et al. **Ann Otol Rhinol Laryngol [Suppl]** 1981 May–Jun;90(3 Pt 3 Suppl 84):68–71

Etiology and antimicrobial therapy of paranasal sinusitis in children. Shurin PA. **Ann Otol Rhinol Laryngol [Suppl]** 1981 May–Jun;90(3 Pt 3 Suppl 84):72–4

The use of co–trimazine once daily in acute otitis media and maxillary sinusitis in children. Hager C, et al. **J Int Med Res** 1980;8(6):413–6

Treatment of sinusitis and otitis media with pivampicillin. Christensen CH, et al. **Pharmatherapeutica** 1980;2(7):469–74

[Ambulatory therapy of sinusitis with Reverin in otorhinolaryngologic practice] Graeber F, et al. **MMW** 1981 Jan 9;123(2):59–60 **(Ger)**

[Treatment of chronic sinusitis with Sinupret] Richstein A, et al. **Ther Ggw** 1980 Sep;119(9):1055–60 **(Ger)**

[Assessment of the clinical usefulness of the preparation Mesna (Mucofluid, Mistabron) produced by UCB in treatment of certain laryngological diseases (author's transl)] Semczuk B, et al. **Otolaryngol Pol** 1980;34(6):553–8 (Eng. Abstr.) **(Pol)**

[Indications and results of immunostimulation with microbial products in diseases of the upper respiratory tract] Seropian E, et al. **Rev Chir [Otorinolaringol]** 1981 Jan–Mar; 26(1):77–9 **(Rum)**

[Mucormycosis of the maxillary sinus and the ethmoid labyrinth] Bykova VP, et al. **Arkh Patol** 1980;42(5):56–9 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Recognition and treatment of allergy in sinusitis and pharyngotonsillitis. A preliminary report. Lehrer JF, et al. **Arch Otolaryngol** 1981 Sep;107(9):543–6

The investigation of sinusitis [editorial] **Br Med J** 1980 Nov 22;281(6252):1373–4

Paranasal sinus diseases. Ludman H. **Br Med J [Clin Res]** 1981 Mar 28;282(6269):1054–7

Conjunctivitis and ethmoiditis due to Shigella flexneri in an infant. Overton ME, et al. **Clin Pediatr (Phila)** 1981 Mar; 20(3):231

Paecilomyces lilacinus as the cause of chronic maxillary sinusitis. Rockhill RC, et al. **J Clin Microbiol** 1980 Jun; 11(6):737–9

Wegener's granulomatosis, serous otitis media and sinusitis. Abraham–Inpijn L. **J Laryngol Otol** 1980 Jul;94(7):785–8

Common wisdom and new findings in sinusitis. Fulginiti VA. **Pediatrics** 1980 Oct;66(4):638–9

Maxillary sinusitis after nasotracheal intubation. Pope TL Jr, et al. **South Med J** 1981 May;74(5):610–2

Mycobacterium chelonei infects the maxillary sinus: a rare case. Eron LJ, et al. **Va Med** 1981 May;108(5):335–8

[Acute sinusitis in children (editorial)] **S Afr Med J** 1981 Jun 20;59(26):924–5 **(Afr)**

[Basal cell nevus syndrome with sinus involvement] Cesteleyn L, et al. **Acta Otorhinolaryngol Belg** 1980; 34(5):594–610 (Eng. Abstr.) **(Dut)**

[Maxillary sinusitis of dental origin] Dierickx A, et al. **Rev Belge Med Dent** 1981 Mar;36(2):67–75 (Eng. Abstr.) **(Dut)**

[Post–traumatic maxillary sinusitis] Blondel JH, et al. **J Fr Otorhinolaryngol** 1980 Dec;29(10):633–4, 637–8 (Eng. Abstr.) **(Fre)**

[ENT aspects of rhino–sinusitis in children (author's transl)] Albegger K. **HNO** 1980 Oct;28(10):321–8 (Eng. Abstr.) **(Ger)**

[Does the one–sided obstructure of nasal resporation represent a determinative factor for sinusitis maxillaris on the same side? (author's transl)] Nieder T, et al. **Laryngol Rhinol Otol (Stuttg)** 1980 May;59(5):312–5 (Eng. Abstr.) **(Ger)**

[On sinusitis in swimmers in Lake Constance (author's transl)] Waggershauser CP. **Laryngol Rhinol Otol (Stuttg)** 1980 Apr;59(4):255–7 (Eng. Abstr.) **(Ger)**

[Experimental animal studies of inflammatory changes in the maxillary antral mucosa after mid–facial fractures (author's transl)] Schade K, et al. **Zahn Mund Kieferheilkd** 1980; 68(7):676–80 (Eng. Abstr.) **(Ger)**

[Craniofacial mucormycosis] Shapiro M, et al. **Harefuah** 1980 Jun;98(11–12):498–500 (Eng. Abstr.) **(Heb)**

[Odontogenic maxillary sinusitis, an emergency disease] Stefaniu A, et al. **Rev Chir [Otorinolaringol]** 1980 Oct–Dec; 25(4):279–84 (21 ref.) (Eng. Abstr.) **(Rum)**

FAMILIAL & GENETIC

Hereditary angioedema: association with IgA deficiency and otolaryngologic disorders. Bond WR Jr, et al. **Laryngoscope** 1981 Mar;91(3):416–21

IMMUNOLOGY

[Immunologic aspects of sinusitis in children (author's transl)] Bläker F. **HNO** 1980 Aug;28(8):264–6 (Eng. Abstr.) **(Ger)**

[Immunofluorescent studies of chronic sinusitis (author's transl)] Yoshii S. **Nippon Jibiinkoka Gakkai Kaiho** 1980 Aug 20;83(8):908–22 (Eng. Abstr.) **(Jpn)**

[Antibodies to staphylococcal autostrains in polypoid tissue of the human nasal mucosa] Lebedev KA, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Mar;(3):89–92 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Alternaria sinusitis. Shugar MA, et al. **Ann Otol Rhinol Laryngol** 1981 May–Jun;90(3 Pt 1):251–4

The investigation of sinusitis [letter] **Br Med J** 1980 Dec 6;281(6254):1561

Pseudo–tumoral form of fungal frontal sinusitis. Grigoriu D, et al. **J Dermatol (Tokyo)** 1980 Aug;7(4):285–7

Bacteriologic features of chronic sinusitis in children. Brook I. **JAMA** 1981 Aug 28;246(9):967–9

[Multifocal fungal infections in patients coming to the laryngologists (author's transl)] Kurnatowska A, et al. **Otolaryngol Pol** 1980;34(5):475–9 (Eng. Abstr.) **(Pol)**

[Bacterial flora in acute and chronic sinusitis (author's transl)] Ziuzio S, et al. **Otolaryngol Pol** 1980;34(4):351–5 (Eng. Abstr.) **(Pol)**

[Bacterial flora of the nose and paranasal sinuses during inflammatory changes] Martyńska M, et al. **Wiad Lek** 1980 Aug 15;33(16):1293–6 (Eng. Abstr.) **(Pol)**

OCCURRENCE

[Allergic manifestations of type I in an child population of Veneto. Clinico–statistical study of 829 cases] Marcer G, et al. **Minerva Pediatr** 1981 Feb 28;33(4):165–72 (14 ref.) (Eng. Abstr.) **(Ita)**

PATHOLOGY

Chronic sinusitis in children. Bailey QR. **J Laryngol Otol** 1981 Jan;95(1):55–9

Clinical–pathological conference. Case 34, part 2. Basal cell carcinoma, chronic maxillary sinusitis, and keratocyst of the mandible. Samit AM, et al. **J Oral Surg** 1981 May; 39(5):354–6

[Mucormycosis of the maxillary sinus and the ethmoid labyrinth] Bykova VP, et al. **Arkh Patol** 1980;42(5):56–9 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Pathophysiology of paranasal sinuses with clinical implications. Drettner B. **Clin Otolaryngol** 1980 Aug; 5(4):277–84 (29 ref.)

[Permeability of the maxillary ostium in sinusitis] Fiala M. **Cesk Otolaryngol** 1981 Jun;30(3):174–9 (Eng. Abstr.) **(Cze)**

RADIOGRAPHY

Urticaria and sinusitis [letter] **JAMA** 1981 Jan 2;245(1):29–30

[Value of panoramic radiography for the ENT–physician] Van Clooster R. **Acta Otorhinolaryngol Belg** 1979; 33(6):964–71 **(Dut)**

[Contrast x–ray examination for odontogenic sinusitis (author's transl)] Konstantinov D, et al. **Radiol Diagn (Berl)** 1980;21(4):482–7 (Eng. Abstr.) **(Ger)**

[Sphenoidal pneumosinus dilatans: a case report (author's transl)] Borelli G, et al. **Radiol Med (Torino)** 1979 Oct; 65(10):735–9 (Eng. Abstr.) **(Ita)**

RADIONUCLIDE IMAGING

Facial bone scintigraphy. VI. Practical clinical use in inflammatory disorders of the maxillary sinus. Bergstedt HF, et al. **Acta Radiol [Diagn] (Stockh)** 1980;21(5):651–6

[Scintigraphy and tomography in inflammations and non–malignant tumors in head and neck (author's transl)] Frey KW, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Jun; 60(6):294–8 (Eng. Abstr.) **(Ger)**

REHABILITATION

[A study of spontaneous cure of sinusitis (author's transl)] Mann W, et al. **HNO** 1981 Mar;29(3):92–4 (Eng. Abstr.) **(Ger)**

SURGERY

Endoscopic surgery of the nasal fontanel. A new approach to recurrent sinusitis. Straatman NJ, et al. **Arch Otolaryngol** 1981 May;107(5):290–3

A new approach to the surgical treatment of chronic maxillary sinusitis. (a preliminary report). Alusi HA. **J Laryngol Otol** 1980 Oct;94(10):1145–9

Computerized tomography of the Caldwell–Luc cavity. Cable HR, et al. **J Laryngol Otol** 1981 Aug;95(8):775–83

Indications and methods for performance of osteoplastic–obliterative frontal sinusotomy with a description of a new method and some remarks upon the present state of the are of external frontal sinus surgery. Guggenheim P. **Laryngoscope** 1981 Jun;91(6):927–38

Clinical effects of endonasal sinusectomy with reconstruction of the nasal cavity (Takahashi's method). Ashikawa R, et al. **Rhinology** 1981 Jun;19(2):93–100

[Transnasal, endoscopical sinus surgery for chronic sinusitis. I. A biomechanical concept of the endonasal mucosa surgery (author's transl)] Wigand ME. **HNO** 1981 Jul; 29(7):215–21 (26 ref.) (Eng. Abstr.) **(Ger)**

[Ocular motility disturbances following frontal sinus operations (author's transl)] Schroeder HG, et al. **Laryngol Rhinol Otol (Stuttg)** 1981 Mar;60(3):113–6 (Eng. Abstr.) **(Ger)**

[Evaluation of the effectiveness of sparing operations of frontal sinusitis at the Otolaryngological Clinic of the Medical Academy in Wrocław during 1958–1975. Dissertation for the degree of Doctor of Medical Sciences, Wrocław, June 20, 1977] Pużyński J. **Otolaryngol Pol** 1980; 34(2–3):309–L **(Pol)**

THERAPY

Split cannula––Foley catheter technique in maxillary sinusitis. Abdel–Salam AS, et al. **J Laryngol Otol** 1981 Feb; 95(2):221–3

The diagnosis and treatment of acute sinusitis. Newmann RK, et al. **Milit Med** 1980 Sep;145(9):638–40

Effect of treatment in maxillary sinusitis. Mann W, et al. **ORL J Otorhinolaryngol Relat Spec** 1981;43(5):274–9

[The problem of maxillary sinus lavage with previously warmed water: the results of bacterial contamination of

water samples from ENT examining units (author's transl)] Göbel U, et al. **HNO** 1980 Oct;28(10):347–9 (Eng. Abstr.) **(Ger)**

[Experimental studies on the physical therapy of sinusitis (author's transl)] Nieder T, et al. **HNO** 1980 Oct; 28(10):352–5 **(Ger)**

[Sinus irrigation therapy for children with chronic sinusitis (author's transl)] Niho M. **Nippon Jibiinkoka Gakkai Kaiho** 1980 Apr;83(4):424–33 (Eng. Abstr.) **(Jpn)**

SIPHONAPTERA see **FLEAS**

SIRENOMELIA see **ECTROMELIA**

SISOMICIN see under **GENTAMICINS**

SISTER CHROMATID EXCHANGE see under **CROSSING OVER (GENETICS)**

SITOSTEROLS

Delivery of liposome membrane-associated sterols through silastic membranes. Kreuter J, et al. **Biochim Biophys Acta** 1981 Aug 5;676(1):118–21

Sitosterol. Pollak OJ, et al. **Monogr Atheroscler** 1981;10:1–219

ADVERSE EFFECTS

Adverse effects of phytoestrogens–7. Effect of beta-sitosterol treatment on follicular development, ovarian structure and uterus in the immature female sheep. El Samannoudy FA, et al. **Cell Mol Biol** 1980;26(3):255–66

BLOOD

A unique patient with coexisting cerebrotendinous xanthomatosis and beta-sitosterolemia. Wang C, et al. **Am J Med** 1981 Aug;71(2):313–9

ISOLATION & PURIFICATION

[The chemical constituents of the Chinese drug 'Yadanzi.' I. Isolation and identification of daucosterol, brucein D and brucein E (author's transl)] Xie JX, et al. **Yao Hsueh Hsueh Pao** 1981 Jan;16(1):53–5 (Eng. Abstr.) **(Chi)**

METABOLISM

Identification of acidic steroids in feces of monkeys fed beta-sitoserol. Kritchevsky D, et al. **Lipids** 1981 Jan; 16(1):77–8

PHARMACODYNAMICS

Brachymeria lasus and Pachycrepoideus vindemiae: sterol requirements during larval growth of two hymenopterous insect parasites reared in vitro on chemically defined media. Thompson SN. **Exp Parasitol** 1981 Apr;51(2):220–35

Effect of beta-sitostanol (5 alpha-stigmastan-3 beta-ol) on cholesterol absorption from micellar solutions in jejunal loops in situ. Hassan AS, et al. **Steroids** 1980 Dec; 36(6):731–41

[Effect of cholic acid and chenodesoxycholic acid on biliary secretion in mice. Effect of the addition of beta-sitosterol] Marteau C, et al. **Can J Physiol Pharmacol** 1980 Sep; 58(9):1058–62 (Eng. Abstr.) **(Fre)**

[Changes in beta acetyldigoxin resorption following administration of beta-sitosterine or cholestyramine] Schwartzkopff W, et al. **Med Welt** 1980 Aug 15; 31(33):1183–8 **(Ger)**

THERAPEUTIC USE

Lowering plasma cholesterol with beta-sitosterol and diet [letter] Drexel H, et al. **Lancet** 1981 May 23;1(8230):1157

[New aspects in rheumatism therapy. Experiences with a sitosterin preparation in chronic polyarthritis] Zorn J. **Med Welt** 1981 Jan 23;32(4):135–8 **(Ger)**

[Beta-sitosterin in the conservative therapy of prostatic adenoma. Experiences in urologic practice] Bialluch W. **ZFA (Stuttgart)** 1980 Sep 20;56(26):1684–7 **(Ger)**

SITS see under **STILBENES**

SITUATIONAL ETHICS see **ETHICS**

SITUATIONAL THERAPY see **SOCIOENVIRONMENTAL THERAPY**

SITUS INVERSUS

COMPLICATIONS

Myocardial infarction with dextrocardia and situs inversus. A rare case report. Bhat PS, et al. **Indian Heart J** 1980 May–Jun;32(3):190–3

Kartagener's syndrome with situs inversus totalis, agenesis of frontal sinuses and bilateral cervical rib. Kundu AK, et al. **J Indian Med Assoc** 1980 May 16;74(10):192–4

Agnathia, situs inversus, and associated malformations. Pauli RM, et al. **Teratology** 1981 Feb;23(1):85–93

[Diplomyelia (author's transl)] Krkoška J, et al. **Cesk Radiol** 1981 Jan;35(1):57–9 (Eng. Abstr.) **(Cze)**

[Leg ulcer, circulating anticoagulant, situs inversus (letter)] Bazex J, et al. **Nouv Presse Med** 1981 Mar 28;10(14):1151–2 **(Fre)**

[Absence of a Botallo arterial duct. Description of an individual case of Fallot's tetralogy and total situs inversus (inversion) with a survey of a further four cases taken from the literature (author's transl)] Breitfellner G. **Z Kardiol** 1980 Apr;69(4):291–5 (Eng. Abstr.) **(Ger)**

[Situs inversus and dextrocardia. Analysis of the associated congenital heart diseases (author's transl)] De Tommasi SM, et al. **G Ital Cardiol** 1980;10(9):1192–9 (Eng. Abstr.) **(Ita)**

[Appendicitis in patients with intestinal situs inversus] Grabski RS. **Wiad Lek** 1980 Jun 15;33(12):993–5 (Eng. Abstr.) **(Pol)**

[Syntopy of the abdominal organs in children with large ventral hernia] Bairov GA, et al. **Vestn Khir** 1981 Jan; 126(1):104–8 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Situs inversus of the descending colon and sigmoid. Raahave D, et al. **Acta Chir Scand** 1980;146(3):221–3

A rare congenital cardiac malformation with situs inversus and discordant atrioventricular and concordant ventriculoarterial connections: diagnosis and surgical treatment. Leijala MA, et al. **Am Heart J** 1981 Mar; 101(3):355–6

[Visceral inversion, a problem of differential diagnosis (author's transl)] Schyra B. **Zentralbl Chir** 1980; 105(11):689–97 (Eng. Abstr.) **(Ger)**

FAMILIAL & GENETIC

[Simultaneous occurrence of Ivemark syndrome and diprosopus (letter)] Jójárt G. **Orv Hetil** 1980 Dec 14; 121(50):3095 **(Hun)**

PATHOLOGY

[Anatomy of atrioventricular discordances] Ovseyevitz J, et al. **Arch Inst Cardiol Mex** 1981 Jan–Feb;51(1):39–46 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

[Experimental studies on the different action of right and left neurovegetative hemisections on the cardiovascular system. Demonstration of 2 types of reflexes, common and specialized. Stimulation of the right and left pericarotid plexus in a subject with dextrocardia] Marigliano V, et al. **Boll Soc Ital Cardiol** 1978;23(5):873–6 (Eng. Abstr.) **(Ita)**

RADIOGRAPHY

[Case of intestinal developmental anomaly with unusual course] Golec L. **Wiad Lek** 1980 Jun 15;33(12):981–3 (Eng. Abstr.) **(Pol)**

RADIONUCLIDE IMAGING

[Scintigraphic appearance of the liver and spleen in an asymptomatic patient with situs viscerum inversus partialis and levocardia] Bonanno N, et al. **Radiol Med (Torino)** 1979 Dec;65(12):926–9 **(Ita)**

SIZE PERCEPTION

Influence of procedural variables on estimates of inspection time for mildly mentally retarded adults. Nettelbeck T, et al. **Am J Ment Defic** 1980 Nov;85(3):274–80

Length judgments in modified Mueller-Lyer figures. Predebon J. **Am J Psychol** 1981 Mar;94(1):159–72

Device for measuring the precision of eye-hand coordination while tracking changing size. Regan D, et al. **Aviat Space Environ Med** 1980 Jul;51(7):688–93

Differences in size and spatial placement of drawings of left versus right hemisphere brain-damaged patients. Gasparrini B, et al. **J Consult Clin Psychol** 1980 Oct;48(5):670–2

Mental representation of length and weight series and transitive inferences in young children. Perner J, et al. **J Exp Child Psychol** 1981 Apr;31(2):177–92

Children's scales of length and loudness: a developmental application of cross-modal matching. Teghtsoonian M. **J Exp Child Psychol** 1980 Oct;30(2):290–307

Optic array determinants of apparent distance and size in pictures. Bengston JK, et al. **J Exp Psychol [Hum Percept]** 1980 Nov;6(4):751–9

Mental measurement of line length: the role of the standard. Hartley AA. **J Exp Psychol [Hum Percept]** 1981 Apr; 7(2):309–17

The effectiveness of anchor characteristics on perceptual discrimination. Ware ME. **J Gen Psychol** 1980 Jul;103(First Half):41–8

Preschoolers' success at coding absolute size values. Russell J. **J Genet Psychol** 1980 Dec;137(2):305–6

Hepatic conservation of amount in blind and sighted children: exploratory movement effects. Davidson PW, et al. **J Pediatr Psychol** 1981 Jun;6(2):191–200

Effect of perceived size upon perceived brightness. Brigner WL. **Percept Mot Skills** 1980 Dec;51(3 Pt 2):1331–4

Effects of ball size, ball color, and preferred color on catching by young children. Isaacs LD. **Percept Mot Skills** 1980 Oct;51(2):583–6

Assimilation and contrast in the parallel lines illusion? Jaeger T. **Percept Mot Skills** 1981 Jun;52(3):837–8

Exposure duration and line length: an analogy to the Broca-Sulzer effect in perception of extent? Jaeger T, et al. **Percept Mot Skills** 1980 Dec;51(3 Pt 1):945–6

Effects of experience on size discrimination and attitudes toward the Susan B. Anthony coin. Lupo J, et al. **Percept Mot Skills** 1980 Dec;51(3 Pt 1):863–9

Scaling of very, very short visual extents. Masin SC. **Percept Mot Skills** 1980 Aug;51(1):279–82

Meridional size disparity as a function of compressed inferior visual space: a case in point. Moskowitz W. **Percept Mot Skills** 1980 Dec;51(3 Pt 2):1255–60

Reliability, sex difference, and Honi phenomenon in a distorted room. Ong J, et al. **Percept Mot Skills** 1980 Dec; 51(3 Pt 1):956–8

Length judgments of body parts. Predebon J. **Percept Mot Skills** 1980 Aug;51(1):83–8

Effect of body recognition on judgments of length of component parts. Predebon J. **Percept Mot Skills** 1980 Dec; 51(3 Pt 1):879–82

Selection of relevant cues in volume discrimination by golden hamsters. Thinus-Blanc C. **Percept Mot Skills** 1981 Jun; 52(3):918

Control stimuli in investigations of the acute-angled and obtuse-angled Müller-Lyer illusions. Adam J, et al. **Perception** 1980;9(4):467–74

Relation of brightness to threshold for light-adapted and dark-adapted rods and cones: effects of retinal eccentricity and target size. Drum B. **Perception** 1980;9(6):633–50

Comparing two objects for size after a comparison of one of the objects with other objects. File PE, et al. **Perception** 1980;9(5):555–60

Perceived spatial frequency of flickering gratings: a local spatial distortion. Nyman G, et al. **Perception** 1980; 9(4):403–9

PHYSIOLOGY

Dimensional selectivity of neurons in the dorsolateral visual area of the owl monkey. Petersen SE, et al. **Brain Res** 1980 Sep 22;197(2):507–11

The effects of retinal eccentricity and orientation on perceived length. Thompson JG, et al. **J Gen Psychol** 1980 Oct;103(Second Half):227–32

Temporal selectivity of changing-size channels. Beverley KI, et al. **J Opt Soc Am** 1980 Nov;70(11):1375–7

Effect of stimulus size on fusion and vergence. Kertesz AE. **J Opt Soc Am** 1981 Mar;71(3):289–93

Motion sensitivity measured by a psychophysical linearizing technique. Regan D, et al. **J Opt Soc Am** 1981 Aug; 71(8):958–65

Size-analysis of retinal images by orientation detectors. Brigner WL. **Percept Mot Skills** 1980 Dec;51(3 Pt 2):1307–30

Absolute estimation of line length and afterimage as a function of viewing distance. Irvin GF, et al. **Sens Processes** 1979 Sep;3(3):275–85

Absolute estimation of line length as a function of orientation and contrast polarity. Verrillo RT, et al. **Sens Processes** 1979 Sep;3(3):261–74

SJOGREN'S SYNDROME

Treatment of xerostomia: a double-blind trial in 108 patients with Sjögren's syndrome. Klestov AC, et al. **Oral Surg** 1981 Jun;51(6):594–9

[Sjogren's syndrome and Sjogren's disease in rheumatology] Nasonova V, et al. **Z Gesamte Inn Med** 1981 Mar 15; 36(6):199–203 **(Ger)**

BLOOD

Polyclonally triggered B cells in the peripheral blood and bone marrow of normal individuals and in patients with systemic lupus erythematosus and primary Sjögren's syndrome. Fauci AS, et al. **Arthritis Rheum** 1981 Apr; 24(4):577–83

CHEMICALLY INDUCED

Sicca complex and cholangiostatic jaundice in two members of a family probably caused by thiabendazole. Fink AI, et al. **Ophthalmology (Rochester)** 1979 Oct;86(10):1892–6

COMPLICATIONS

Granulocytopenia with marked lymphocytosis manifesting Sjogren syndrome. Goske J, et al. **Am J Hematol** 1980; 9(4):435–7

Aplastic anemia and lymphoma in Sjögren's syndrome. Fye KH, et al. **Arthritis Rheum** 1980 Nov;23(11):1321–5

Thyroid disease in Sjögren's syndrome. Karsh J, et al. **Arthritis Rheum** 1980 Nov;23(11):1326–9

Sjögren's syndrome with myocarditis. Report of a case. Wang YX. **Chin Med J [Engl]** 1981 Jan;94(1):45–6

Hypergammaglobulinemic purpura and Sjögren's syndrome in a child. Celada A, et al. **Helv Paediatr Acta** 1980 Dec; 35(6):569–76

Hashimoto's thyroiditis, pernicious anemia, Sjogren's syndrome, and CRST syndrome — a case report. Saad-Dine Y, et al. **J Med Assoc Ga** 1981 Mar;70(3):187–9

Sulphasalazine-induced systemic lupus erythematosus in a patient with Sjögren's syndrome. Crisp AJ, et al. **J R Soc Med** 1980 Jan;73(1):60–1

Rheumatoid arthritis associated with hypoparathyroidism and Sjögren's syndrome. Edmonds ME, et al.

J R Soc Med 1979 Nov;72(11):856–8

Simultaneous occurrence of Sjogren's syndrome and gold reaction [letter] Nahir AM, et al. **J Rheumatol** 1981 Mar–Apr;8(2):354–5

From the NIH: Pneumococcal vaccination for patients with Sjögren's syndrome. **JAMA** 1981 Jun 12;245(22):2288

Protease inhibitor phenotypes and pulmonary disease in patients with Sjögren's syndrome. Karsh J, et al. **Respiration** 1981;41(1):60–5

[Visceral Kaposi sarcoma with angioimmunoblastic lymphadenopathy and latent sicca syndrome (author's transl)] Diebold J, et al. **Bull Cancer (Paris)** 1980; 67(2):131–8 (Eng. Abstr.) **(Fre)**

[Thibierge–Weissenbach syndrome associated with Sjögren syndrome. Radiological and clinical features (author's transl)] Brombart JC. **J Belge Radiol** 1980;63(4):497–503 (Eng. Abstr.) **(Fre)**

[Gougerot–Sjögren's syndrome, mixed cryoglobulinemia and pseudo–lymphomatous adenopathies. Apropos of 2 cases] Jouet JP, et al. **Lille Med** 1980 Aug–Sep;25(7):354–7 (Eng. Abstr.) **(Fre)**

[Diffuse interstitial pneumopathy associated with limited Sjögren's syndrome (author's transl)] De Crémoux H, et al. **Nouv Presse Med** 1980 Nov 29;9(45):3445–7 (Eng. Abstr.) **(Fre)**

[Gougerot–Sjögren syndrome, primary biliary cirrhosis and monoclonal gammopathy (letter)] Pennec Y, et al. **Nouv Presse Med** 1981 Jan 24;10(3):181 **(Fre)**

[Isolated sensory neuropathy of the trigeminal and Sjögren's syndrome: scleroderma?] Froissart M, et al. **Rev Otoneuroophtalmol** 1980 Oct–Dec;52(5):453–8 (Eng. Abstr.) **(Fre)**

[Mixed cryoglobulinaemia and benign monoclonal gammopathy in Sjogren's syndrome (author's transl)] Clerc D, et al. **Sem Hop Paris** 1980 Sept 8–15;56(29–32):1290–2 (Eng. Abstr.) **(Fre)**

[Adult Still's disease with constrictive pericarditis, Sjögren's syndrome and varied leucocytic abnormalities (author's transl)] Desablens B, et al. **Sem Hop Paris** 1980 Jun 18–25; 56(25–28):1163–6 (Eng. Abstr.) **(Fre)**

[Chronic hepatopathy and progressive systemic sclerosis. Frequency of association with Gougerot–Sjögren's disease. A report on six new cases (author's transl)] Godeau P, et al. **Sem Hop Paris** 1980 Dec 8–15;56(45–46):1895–900 (Eng. Abstr.) **(Fre)**

[Sjögren's syndrome associated with a benign thymic tumor: report of a case with wide spectrum of clinical feature (author's transl)] Yoshida H, et al. **Nippon Ketsueki Gakkai Zasshi** 1980 Oct;43(5):834–41 (Eng. Abstr.) **(Jpn)**

[Identical twins of Sjörgren's syndrome with renal tubular acidosis (author's transl)] Koga T, et al. **Nippon Naika Gakkai Zasshi** 1980 Nov;69(11):1458–62 **(Jpn)**

[Primary biliary cirrhosis associated with rheumatic arthritis and Sjögren's syndrome] Vieira M do R, et al. **Acta Med Port** 1979 Mar–Apr;1(2):209–14 (Eng. Abstr.) **(Por)**

[Sjögren's syndrome, mixed cryoglobulinemia, and Waldenström's hypergammaglobulinemic purpura (letter)] Cardellach F, et al. **Med Clin (Barc)** 1981 Feb 10; 76(3):139–40 **(Spa)**

DIAGNOSIS

Monoclonal gammopathy and Sjögren's syndrome [letter] Berne BH, et al. **Hosp Pract** 1980 Nov;15(11):16

Spectrum of Sjögren syndrome in children. Chudwin DS, et al. **J Pediatr** 1981 Feb;98(2):213–7

Recurrent swellings of the parotid gland, sialectasis and Mikulicz's syndrome. Maynard J. **J R Soc Med** 1979 Aug; 72(8):591–8

[Biopsy findings in labial salivary glands in Sjögren's syndrome] Dřizhal I, et al. **Cesk Stomatol** 1981 Mar; 81(2):117–24 (Eng. Abstr.) **(Cze)**

[Unusual dysphagia: hysteria, masked depression and/or Gougerot–Sjögren's syndrome?] Lemperiere T, et al. **Ann Med Psychol (Paris)** 1980 May;138(5):560–5 **(Fre)**

[Sjögren's syndrome (author's transl)] Sakakura Y, et al. **Nippon Jibiinkoka Gakkai Kaiho** 1980 Mar 20;83(3):281–91 (Eng. Abstr.) **(Jpn)**

[Disturbances in secretion of tears in children (author's transl)] Ziobrowski S, et al. **Klin Oczna** 1981;83(3):187–8 (Eng. Abstr.) **(Pol)**

[Sjögren's syndrome] Kochina EN, et al. **Klin Med (Mosk)** 1981 May;59(5):4–11 (104 ref.) **(Rus)**

DRUG THERAPY

Influence of bromhexine on tear lysozome level in keratoconjunctivitis sicca. Scharf JM, et al. **Am J Ophthalmol** 1981 Jul;92(1):21–3

Sjögren's syndrome treated with bromhexine: a reassessment [letter] Manthorpe R, et al. **Br Med J** 1980 Nov 1; 281(6249):1216–7

Effect of prolonged bromhexine therapy on Sjögren's syndrome. Nahir AM, et al. **Isr J Med Sci** 1981 Jun; 17(6):403–6

Sjogren's syndrome and the sicca syndrome: the role of prostaglandin E1 deficiency. Treatment with essential fatty acids and vitamin C. Horrobin DF, et al. **Med Hypotheses** 1980 Mar;6(3):225–32

[Dimethyl sulfoxide (DMSO) in combined treatment of Sjögren's syndrome] Aliab'eva AP, et al. **Ter Arkh** 1981; 53(1):87–9 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Correlation between postsialographical changes of salivary isoamylase levels in serum and histopathological findings in sublingual glands in patients with Sjögren's syndrome. Yamauchi K, et al. **Tokai J Exp Clin Med** 1980 Apr; 5(2):187–93

ETIOLOGY

A benign lymphoepithelial lesion with malignant transformation developing into Sjögren's syndrome. Horowitz Z, et al. **J Laryngol Otol** 1980 Nov;94(11):1303–7

FAMILIAL & GENETIC

[Sjögren's reticular pigmentary dystrophy (author's transl)] Wochesländer E, et al. **Klin Monatsbl Augenheilkd** 1980 Dec;177(6):684–8 (Eng. Abstr.) **(Ger)**

[A family with Sjögren's syndrome associated with renal tubular acidosis (author's transl)] Kodama T, et al. **Nippon Naika Gakkai Zasshi** 1980 Oct 10;69(10):1320–6 **(Jpn)**

[Familial Sjögren's syndrome, pseudolymphoma and selective C4 deficiency associated with cryoglobulinemia] Batlle Fondrodona J, et al. **Rev Clin Esp** 1980 Sep 30;158(6):321–5 **(Spa)**

IMMUNOLOGY

Sjögren's syndrome. A review with emphasis on immunological features. Manthorpe R, et al. **Allergy** 1981 Apr;36(3):139–53 (69 ref.)

Immunization of patients with Sjögren's syndrome with pneumococcal polysaccharide vaccine: a randomized trial. Karsh J, et al. **Arthritis Rheum** 1980 Nov;23(11):1294–8

Clinical and immunologic analysis of 25 Sjögren's syndrome cases. Ge MZ, et al. **Chin Med J [Engl]** 1981 Jun; 94(6):365–8

HLA–Bw44 and HLA–DRw4 in male Sjögren's syndrome patients with associated rheumatoid arthritis. Powell TR, et al. **Clin Immunol Immunopathol** 1980 Nov;17(3):463–8

Autoantibodies directed against sicca syndrome antigens in the neonatal lupus syndrome. Franco HL, et al. **J Am Acad Dermatol** 1981 Jan;4(1):67–72

Decreased autologous mixed lymphocyte reaction in Sjögren's syndrome. Miyasaka N, et al. **J Clin Invest** 1980 Nov;66(5):928–33

HLA–D antigen frequencies in Sjögren's syndrome. Differences between the primary and secondary form. Manthorpe R, et al. **Scand J Rheumatol** 1981;10(2):124–8

Cellular immunity to secretory IgA (as a common duct antigen of exocrine glands) in Sjögren's syndrome. Ichikawa Y, et al. **Tokai J Exp Clin Med** 1980 Apr; 5(2):211–6

Lymphocytotoxic antibody in Sjögren's syndrome. Ichikawa Y, et al. **Tokai J Exp Clin Med** 1980 Jul;5(3):329–37

Circulating immune complexes in Sjögren's syndrome. Ichikawa Y, et al. **Tokai J Exp Clin Med** 1980 Oct; 5(4):367–74

[Clinical and immunological analyses in 25 cases of xerotic syndrome (author's transl)] Ge MZ. **Chung Hua Nei Ko Tsa Chih** 1980;19(1):3–7 **(Chi)**

[Antibodies against soluble nuclear antigens of the SS–A or SS–B type. Significance in systemic lupus erythematosis (author's transl)] Meyer O, et al. **Nouv Presse Med** 1981 Jun 13;10(26):2179–84 (Eng. Abstr.) **(Fre)**

[Studies on killer cells (K–cells) in peripheral blood in Sjögren's syndrome (author's transl)] Ichikawa Y, et al. **Ryumachi** 1980 Sep;20(4):253–9 (Eng. Abstr.) **(Jpn)**

[IgA nephropathy associated with pseudolymphoma] Vilardell M, et al. **Rev Clin Esp** 1980 Sep 15;158(5):243–6 **(Spa)**

METABOLISM

Electrophoretic protein pattern of human parotid saliva in Sjögren's syndrome and sialosis. Benedek–Spät E, et al. **Acta Otolaryngol (Stockh)** 1980 Sep–Oct;90(3–4):275–82

[Glycocalyx in the intestinal epithelium of children with Sjögren's syndrome] Sroczyńska M, et al. **Pediatr Pol** 1980 Sep;55(9):1011–7 (Eng. Abstr.) **(Pol)**

PATHOLOGY

Specific changes in the fundus typical for the Sjögren–Larsson syndrome. An ophthalmological study of 35 patients. Jagell S, et al. **Acta Ophthalmol (Copenh)** 1980 Jun;58(3):321–30

From benign polyclonal to malignant monoclonal lymphoproliferation in a patient with primary Sjögren's syndrome. Díaz–Jouanen E, et al. **Arthritis Rheum** 1981 Jun;24(6):850–3

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 29–1981. **N Engl J Med** 1981 Jul 16;305(3):153–60

Necrotizing lesions in Sjögren's syndrome. I. An immunofluorescent study. Friedman H, et al. **Z Rheumatol** 1980 Jan–Feb;39(1–2):28–32

Necrotizing lesions in Sjögren's syndrome. II. An electron microscopic study. Friedman H, et al. **Z Rheumatol** 1980 Mar–Apr;39(3–4):79–83

[Labial salivary gland biopsy in Gougerot–Sjögren's syndrome: a clinico–pathological, histoenzymological and ultrastructural study (author's transl)] Chomette G, et al. **Virchows Arch [Pathol Anat]** 1981;392(3):339–54 (Eng. Abstr.) **(Fre)**

[Autopsy cases with Sjögren's syndrome—report of two cases and a review of the cases in Japan— (author's transl)] Takeda Y, et al. **Kokubyo Gakkai Zasshi** 1980 Sep; 47(3):359–71 (Eng. Abstr.) **(Jpn)**

PHYSIOPATHOLOGY

Clinical evaluation of 117 patients with Sjögren's syndrome. Ichikawa Y, et al. **Tokai J Exp Clin Med** 1981 Jan; 6(1):11–22

[Morphofunctional characteristics of human minor salivary glands in Sjögren's syndrome] Perminova IS. **Stomatologiia (Mosk)** 1981 May–Jun;60(3):9–11 (Eng. Abstr.) **(Rus)**

[Exocrine pancreas function in Sjögren's syndrome] Timoshina IV. **Ter Arkh** 1981;53(2):51–5 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

Effect of long–term treatment with circulating thymic factor on murine lupus. Bach MA, et al. **Arthritis Rheum** 1980 Dec;23(12):1351–8

RADIOGRAPHY

Cranial CT in the Sjögren–Larsson syndrome. Probst FP, et al. **Neuroradiology** 1981 Mar;21(2):101–5

Classification and differential diagnosis of sialographic characteristics in Sjögren syndrome. Dijkstra PF. **Semin Arthritis Rheum** 1980 Aug;10(1):10–7 (21 ref.)

SKATING see under **SPORTS**

SKATOLE see under **INDOLES**

SKELETAL AGE MEASUREMENT see **AGE DETERMINATION BY SKELETON**

SKELETAL MUSCLE RELAXANTS see **MUSCLE RELAXANTS, CENTRAL**

SKELETON

GROWTH & DEVELOPMENT

[The application of quantitative methods in experimental morphology] Fanghänel J, et al. **Gegenbaurs Morphol Jahrb** 1979;125(5):669–77 (Eng. Abstr.) **(Ger)**

SKF 525–A see **PROADIFEN**

SKID ROW ALCOHOLICS

'Duchess of the Deuce' helps Phoenix down–and–outs. **Am J Nurs** 1981 Aug;81(8):1529–30

Changes in the social control of skid row inebriates in Toronto: assessments by skid row informants. Giesbrecht NA, et al. **Can J Public Health** 1981 Mar–Apr;72(2):101–4

A clinical prognostic scale for skid row male alcoholics. Halikas JA. **Curr Alcohol** 1979;7:321–30

SKIING

Knee injuries in skiing. A prospective study from northern Sweden. Edlund G, et al. **Am J Sports Med** 1980 Nov–Dec; 8(6):411–4

Skier's thumb. Surgical treatment of recent injuries to the ulnar collateral ligament of the thumb's metacarpophalangeal joint. Gerber C, et al. **Am J Sports Med** 1981 May–Jun;9(3):171–7

Injuries of competitive skiers in Finland: a three year survey. Sandelin J, et al. **Ann Chir Gynaecol** 1980;69(3):97–101

Knee ligament injuries induced by skiing. Schaffer DJ. **Ann Emerg Med** 1981 Sep;10(9):472–5

Skiing injuries. Pope MH, et al. **Biomater Med Devices Artif Organs** 1981;9(1):1–13

Transient ulnar neuropathy from Nordic skiing. Fulkerson JP. **Clin Orthop** 1980 Nov–Dec;(153):230–1

The etiology of downhill ski injuries. Eriksson E, et al. **Exerc Sport Sci Rev** 1980;8:1–17 (69 ref.)

CME and SKI–who is kidding whom? Johnson CF. **J Tenn Med Assoc** 1980 AUG;73(8):567–70

Skiing lacerations. Preventability by the use of ski brakes. Colmey TG, et al. **JAMA** 1980 Oct 10;244(15):1699–1700

Skiing research in Japan. Watanabe K. **Med Sci Sports Exerc** 1981;13(3):205–9

[Syndromes of locomotor strain from cross–country skiing] Grenier R. **Union Med Can** 1980 Apr;109(4):515–8 (Eng. Abstr.) **(Fre)**

[Collision injuries on ski slopes (author's transl)] Lang T, et al. **Aktuel Traumatol** 1980 Jun;10(3):169–77 (Eng. Abstr.) **(Ger)**

[Lower leg fracture—still the most frequent fracture during skiing? (author's transl)] Lindenmaier HL, et al. **Aktuel Traumatol** 1981 Apr;11(2):52–5 (Eng. Abstr.) **(Ger)**

[Shoulder injuries in Alpine skiing] Frankenberger A, et al. **Fortschr Med** 1981 May 21;99(19):733–9 (Eng. Abstr.) **(Ger)**

[Safety handles for ski sticks to prevent eye, hand and stomach injuries (author's transl)] Payer H. **Klin Monatsbl Augenheilkd** 1980 Dec;177(6):819–21 (Eng. Abstr.) **(Ger)**

[The ski pole in summer] Neureuther G. **MMW** 1981 Mar 27;123(13):513–4 **(Ger)**

[Skiing accidents in children (author's transl)] Schwarzenbach M, et al. **MMW** 1981 Mar 13; 123(11):429–33 (Eng. Abstr.) **(Ger)**

[Psychological aspects of young competitive athletes] Huber EG, et al. **Paediatr Padol** 1981;16(2):171–8 (Eng. Abstr.) **(Ger)**

[Severe collisions head injury in skiing (author's transl)] Oh S, et al. **Praxis** 1981 Mar 3;70(10):408–13 (Eng. Abstr.) **(Ger)**

[Skier's thumb (author's transl)] Gerber C, et al. **Unfallheilkunde** 1981 Jun;84(6):224–8 (Eng. Abstr.) **(Ger)**

[Favorable outcome of unusual wounds in children] Burov IS, et al. **Vestn Khir** 1981;126(5):120 **(Rus)**

[Case of transitory keratopathy in a skier caused by low air temperature and maximal physical exertions] Korablev AF. **Vestn Oftalmol** 1981 Mar–Apr;(2):72 **(Rus)**

[Prevention of injuries in skiing] Vranić J, et al. **Med Arh** 1980;34(1):19–23 (Eng. Abstr.) **(Scr)**

SKILLED NURSING FACILITIES

Focus: Miami Veterans Administration Medical Center. Extended care service. Kurasik S, et al. **Am Correct Ther J** 1981 Jul–Aug;35(4):100–2

Care plans in long-term facilities. Gray JW, et al. **Am J Nurs** 1980 Nov;80(11):2054–7

Inconsistency in level of care assignment decisions in skilled nursing facilities. Greene VL, et al. **Am J Public Health** 1981 Sep;71(9):1036–9

Perceived clinical significance of consultant pharmacist recommendations in the skilled nursing facility. Miller DA, et al. **Del Med J** 1981 Apr;53(4):215–9

Implementation and evaluation of clinical pharmacy services in an extended care facility. Garnett WR, et al. **Gerontologist** 1981 Apr;21(2):151–7

Nosocomial urinary-tract infections in a skilled nursing facility. Sherman FT, et al. **J Am Geriatr Soc** 1980 Oct; 28(10):456–61

Prevention of infection in extended care facilities. Campbell DG. **Nurs Clin North Am** 1980 Dec;15(4):857–68

LEGISLATION & JURISPRUDENCE

Compliance with federal regulations for pharmaceutical services in skilled nursing facilities. Brown CH, et al. **Am J Hosp Pharm** 1981 Jul;38(7):1014–7

ORGANIZATION & ADMINISTRATION

Importance of resident placement within a skilled nursing facility. Wiltzius F, et al. **J Am Geriatr Soc** 1981 Sep; 29(9):418–21

Use of scaled outcome criteria for a target patient population. Howe MJ, et al. **QRB** 1980 Apr;6(4):15–21

STANDARDS

Assessment of facility quality and its relationship to facility size in the long-term health care industry. Ullmann SG. **Gerontologist** 1981 Feb;21(1):91–7

Developing scaled outcome criteria for a target patient population. Howe MJ, et al. **QRB** 1980 Mar;6(3):17–23 contd

SKIN

Heterotopic epithelial replacement (so-called 'mesothelioma') of the atrioventricular node, congenital heart block, and sudden death. Lie JT, et al. **Am J Forensic Med Pathol** 1980 Jun;1(2):131–7

Transcutaneous carbon dioxide monitoring. McLellan PA, et al. **Am Rev Respir Dis** 1981 Aug;124(2):199–201

Cutaneous cerebrospinal fluid leakage following attempted extradural block. Jawalekar SR, et al. **Anesthesiology** 1981 Apr;54(4):348–9

Skin and hair reflectance in women with red hair. Little MA, et al. **Ann Hum Biol** 1981 May–Jun;8(3):231–41

Effects of skin extract on sebaceous gland function in the rat. Eberhardt H, et al. **Arch Dermatol Res** 1980; 268(1):15–21

Bilateral corneal dermis-like choristomas; an X chromosome-linked disorder. Topilow HW, et al. **Arch Ophthalmol** 1981 Aug;99(8):1387–91

Skin surface PO2 measurement and the effect of externally applied pressure. Newson TP, et al. **Arch Phys Med Rehabil** 1981 Aug;62(8):390–2

Removing the embedded fish hook. Rose JD. **Aust Fam Physician** 1981 Jan;10(1):33

Successful cryopreservation of tissue and skin fibroblast cultures from patients with mucolipidosis II (I-cell disease). Buck DW, et al. **Cytogenet Cell Genet** 1981;29(1):9–15

Depth-dose in tissue from beta-particles of 85Kr. Berven BA, et al. **Health Phys** 1981 Feb;40(2):222–5

Electron dose-rate conversion factors for external exposure of the skin. Kocher DC, et al. **Health Phys** 1981 Apr; 40(4):467–75

Lymphocyte stimulation assay utilizing newborn heel skin puncture blood samples. Ruuskanen O, et al. **J Clin Lab Immunol** 1980 Sep;4(2):111–4

Basic skin care and cosmesis for the chronically ill, the mentally disturbed, and the aged infirm. A services of the British Red Cross Society. Leider M, et al. **J Dermatol Surg Oncol** 1981 Jun;7(6):455–9

The role of skin and its appendages in the assessment of the newborns maturity. Lamberti G, et al. **J Perinat Med** 1981; 9 Suppl 1:147–8

Continuous transepidermal drug collection: basis for use in assessing drug intake and pharmacokinetics. Peck CC, et al. **J Pharmacokinet Biopharm** 1981 Feb;9(1):41–58

X-ray diffraction investigations of collagen fibril structure in dermatosparactic lamb tissues. Cassidy K, et al. **Lab Invest** 1980 Dec;43(6):542–6

Adhesives for intact skin: a preliminary investigation. Margules GS, et al. **Med Biol Eng Comput** 1980 Sep; 18(5):549–53

Concerning dose buildup at the air-tissue interface [letter] August LS, et al. **Med Phys** 1980 Nov-Dec;7(6):727–9

Development and use of a living skin equivalent. Bell E, et al. **Plast Reconstr Surg** 1981 Mar;67(3):386–92

[Skin embolism of the lung] Gilbert P, et al. **Pathologe** 1980 May;1(3):161–3 **(Ger)**

[The detection of finger prints on the human skin] Hammer HJ, et al. **Z Aerztl Fortbild (Jena)** 1980 Apr 15;74(8):378–9 **(Ger)**

[A temporary synthetic skin subsitute: SYSpur-derm. Comparative histopathological examination (author's transl)] Mahnke PF, et al. **Zentralbl Chir** 1980;105(3):145–53 (Eng. Abstr.) **(Ger)**

[Treatment of extensive traumatic skin defects of the limbs] Czyrny S, et al. **Chir Narzadow Ruchu Ortop Pol** 1980; 45(3):218–23 (Eng. Abstr.) **(Pol)**

[Experimental study of the potential therapeutic action of percutaneously administered trypsin by electrophoresis] Pertsovskiĭ AI, et al. **Patol Fiziol Eksp Ter** 1980 Sep–Oct; (5):62–4 (Eng. Abstr.) **(Rus)**

ABNORMALITIES

Aplasia cutis congenita. A follow-up evaluation after 25 years. Munkvad JM, et al. **Arch Dermatol** 1981 Apr; 117(4):232–3

Rubinstein-Taybi syndrome. Cutaneous manifestations and colossal keloids. Selmanowitz VJ, et al. **Arch Dermatol** 1981 Aug;117(8):504–6

Severe congenital skin defects in a newborn. Case report and relevance of several obstetrical parameters. Leschot NJ, et al. **Eur J Obstet Gynaecol Reprod Biol** 1980 Jul; 10(6):381–8

Focal dermal hypoplasia in a father and daughter. Burgdorf WH, et al. **J Am Acad Dermatol** 1981 Mar;4(3):273–7

[Generalized muscular nevus with the clinical appearance of a 'Michelin tire baby'] Wallach D, et al. **Ann Dermatol Venereol** 1980;107(10):923–7 **(Fre)**

[Aplasia cutis congenita. Nosological classification and case reports] Chiara F, et al. **Minerva Pediatr** 1980 May 31; 32(10):693–8 **(Ita)**

[Congenital circumscribed skin aplasia – a rare developmental anomaly of the skin] Rubisz-Brzezińska J, et al. **Pediatr Pol** 1980;55(11):1233–6 **(Pol)**

[Familial incidence of congenital skin aplasia (author's transl)] Cisárik F. **Cesk Dermatol** 1980;55(6):400–2 (Eng. Abstr.) **(Slo)**

ANALYSIS

An appraisal of routine direct immunofluorescence in vulvar disorders. Bushkell LL, et al. **Acta Derm Venereol (Stockh)** 1981;61(2):157–61

Zinc in epidermis and dermis in healthy subjects. Michaëlsson G, et al. **Acta Derm Venereol (Stockh)** 1980;60(4):295–9

Identification of tocopherol (vitamin E) in the skin and its histochemical detection. Hadler WA, et al. **Acta Histochem (Jena)** 1981;68(1):11–21

The lightpipe luminoscope for monitoring occupational skin contamination. Vo-Dinh T, et al. **Am Ind Hyg Assoc J** 1981 Feb;42(2):112–20

Adrenoleukodystrophy: elevated C26 fatty acid in cultured skin fibroblasts. Moser HW, et al. **Ann Neurol** 1980 Jun; 7(6):542–9

Retinoids in human epidermis. Vahlquist A. **Ann NY Acad Sci** 1981 Feb 27;359:366

A histochemical study on the skin of Lepidosiren paradoxa (Fitz). Singh BR, et al. **Arch Biol (Liege)** 1979;90(4):421–36

Topical clindamycin treatment of acne. Clinical, surface lipid composition, and quantitative surface microbiology response. Thomsen RJ, et al. **Arch Dermatol** 1980 Sep; 116(9):1031–4

Secondary ion emission microanalysis: applications to the study of human skin. Guillaume JC, et al. **Arch Dermatol Res** 1981;270(1):37–47

Immunohistochemical localization of cyclic nucleotides in guinea pig lip. Miyachi Y, et al. **Arch Dermatol Res** 1980; 269(3):233–7

Cutaneous vitamin A levels in seborrheic keratosis, actinic keratosis, and basal cell carcinoma. Rollman O, et al. **Arch Dermatol Res** 1981;270(2):193–6

Polyacrylamide gel electrophoresis of proteins from human skin scalded in vitro and dissolved with dodecylsulphate. Grzybowski J, et al. **Arch Immunol Ther Exp (Warsz)** 1980; 28(2):247–52

Chemical nature of proteins in the placoid scale of the blue shark, Prionace glauca L. Kawasaki H, et al. **Arch Oral Biol** 1980;25(5):313–20

Isolation of collagen from the skins of Ehlers-Danlos syndrome-affected dogs by acetic acid extraction and pepsin digestion. Counts DF. **Biochim Biophys Acta** 1980 Nov 20;626(1):208–17

Similarities between stratum corneum basic protein and histidine-rich protein II from newborn rat epidermis. Dale BA, et al. **Biochim Biophys Acta** 1981 Mar 27;668(1):98–106

Characterization of polypeptide chains of epidermal prekeratin and reconstituted filaments. Matoltsy AG, et al. **Biochim Biophys Acta** 1981 Mar 27;668(1):160–6

The composition of the skin surface lipids of the gerbil. Yeung D, et al. **Biochim Biophys Acta** 1981 Feb 23; 663(2):524–35

Flow cytometry as a tool for the study of cell kinetics in skin 2. Cell kinetic data in psoriasis. Bauer FW, et al. **Br J Dermatol** 1981 Mar;104(3):271–6

Pharmacological data on dermorphins, a new class of potent opioid peptides from amphibian skin. Broccardo M, et al. **Br J Pharmacol** 1981 Jul;73(3):625–31

Serine phosphate, threonine phosphate and gamma-carboxyglutamic acid in normal and experimentally induced, pathologically calcified rat skin (topical cutaneous calciphylaxis). Glimcher MJ, et al. **Calcif Tissue Int** 1981; 33(2):185–90

The relative amounts of the collagen chains alpha 1(I), alpha 2 and alpha 1(III) in the skin of 31 patients with osteogenesis imperfecta. Francis MJ, et al. **Clin Sci** 1981 Jun;60(6):617–23

Permanent percutaneous devices. von Recum AF, et al. **CRC Crit Rev Bioeng** 1981;5(1):37–77 (146 ref.)

Effect of hypercarbia and shock on transcutaneous carbon dioxide at different electrode temperatures. Tremper KK, et al. **Crit Care Med** 1980 Nov;8(11):608–12

Lipid peroxide of human skin. Ohkido M, et al. **Curr Probl Dermatol** 1980;10:269–78

Distribution of cytoskeletal elements in cultured skin fibroblasts of patients with Duchenne's muscular dystrophy. Rungger-Brändle E, et al. **Experientia** 1980 Oct 15;36(10):1204–5

Isolation of a macromolecular collagenous fraction and AB2 collagen from calf skin. Laurain G, et al. **FEBS Lett** 1980 Oct 20;120(1):44–8

In vitro heated guineapig skin toxin & its characterization. Bhatia B, et al. **Indian J Exp Biol** 1980 May;18(5):521–3

Collagen content of skin of a fresh water teleost Ophiocephalus punctatus, Bloch in relation to anatomical sites. Gantayat SC, et al. **Indian J Exp Biol** 1980 Jul; 18(7):733–5

Concentrations of cefotaxime in skin. Gründer K, et al. **Infection** 1980;8 Suppl 3:S 280–3

Epidermal lipids, membranes, and keratinization. Elias PM. **Int J Dermatol** 1981 Jan–Feb;20(1):1–19 (127 ref.)

Isolation and amino acid composition of sauvagine. An active polypeptide from methanol extracts of the skin of the South American frog Phyllomedusa sauvagei. Montecucchi PC, et al. **Int J Pept Protein Res** 1980 Sep;16(3):191–9

A simple method for quantitative estimation of collagen type III to type I ratio in soft tissues. Cetta G, et al. **Ital J Biochem** 1979 May–Jun;28(3):163–72

Quantitative acoustical assessment of wound maturation with acoustic microscopy. O'Brien WD Jr, et al. **J Acoust Soc Am** 1981 Feb;69(2):575–9

Isolation and characterization of proteodermatansulfate from rat skin. Miyamoto I, et al. **J Biochem (Tokyo)** 1980 Dec; 88(6):1793–803

Immunologic cross-reactivity of the low density lipoprotein receptor from bovine adrenal cortex, human fibroblasts, canine liver and adrenal gland, and rat liver. Beisiegel U, et al. **J Biol Chem** 1981 Apr 25;256(8):4071–8

Intermediate filaments from Chinese hamster ovary cells contain a single protein. Comparison with more complex systems from baby hamster kidney and mouse epidermal cells. Cabral F, et al. **J Biol Chem** 1981 Feb 10; 256(3):1428–31

Separation of collagen types I and III by high-performance column liquid chromatography. Macek K, et al. **J Chromatogr** 1981 Feb 13;222(2):284–90

Application of histological sections to wavelength-dispersive X-ray microanalysis. Utsuyama M, et al. **J Electron Microsc (Tokyo)** 1980;29(2):199–201

The importance of examining skin and hair for semen in sexual assault cases. Enos WF, et al. **J Forensic Sci** 1981 Jul;26(3):605–7

Concentrations of cefamandole and cefsulodin in serum, heart valves, subcutaneous tissue, and muscle of patients undergoing open-heart surgery. Daschner FD, et al. **J Infect Dis** 1980 Aug;142(2):290

Modification of polypeptide composition in keratinocyte fibrous protein. Baden HP, et al. **J Invest Dermatol** 1980 Nov;75(5):383–7

Immunofluorescence analysis of collagen, fibronectin, and basement membrane protein in scleroderma skin. Fleischmajer R, et al. **J Invest Dermatol** 1980 Sep; 75(3):270–4

Immunoelectron microscopy of type III collagen in normal and scleroderma skin. Fleischmajer R, et al. **J Invest Dermatol** 1980 Aug;75(2):189–91

Effects of trypsin on the cyclic AMP system of the pig skin. Iizuka H, et al. **J Invest Dermatol** 1981 Jun;76(6):511–3

The effects of severe thermal injury on the

glycosaminoglycans of guinea pig skin. Nanney LB. **J Invest Dermatol** 1981 Apr;76(4):227–30

Comparative studies of keratins isolated from psoriasis and atopic dermatitis. Thaler M, et al. **J Invest Dermatol** 1980 Aug;75(2):156–8

Androgen concentrations in sexual and non–sexual skin as well as in striated muscle in man. Deslypere JP, et al. **J Steroid Biochem** 1980 Dec;13(12):1455–8

Occurrence of squalene in skin surface lipids of the otter, the beaver and the kinkajou. Lindholm JS, et al. **Lipids** 1980 Dec;15(12):1062–3

Separation of wax esters from steryl esters by chromatography on magnesium hydroxide. Stewart ME, et al. **Lipids** 1981 May;16(5):355–9

A new histochemical method for demonstration of sulfhydryl groups. Hallit Z, et al. **Microsc Acta** 1981 Jan;84(1):1–7

Infrared Photoacoustic spectroscopy of skin lipids. Kanstad SO, et al. **Naturwissenschaften** 1981 Jan;68(1):47–8

Chronic lathyrism. Plasma, aorta and rat skin treated for five months with beta–aminopropionitrile with or without high fat diet. Bouissou H, et al. **Pathol Biol (Paris)** 1980 Dec; 28(10):645–50

Cutaneous cholesterol assay using a micro–method and punch–biopsy in the detection of early arteriosclerosis. Deloly J, et al. **Pathol Biol (Paris)** 1980 Dec;28(10):669–70

Increased copper metallothionein in Menkes cultured skin fibroblasts. Labadie GU, et al. **Pediatr Res** 1981 Mar; 15(3):257–61

The effect of food restriction and low protein diet upon collagen type I and III ratio in rat skin. Deyl Z, et al. **Physiol Bohemoslov** 1981;30(3):243–50

Chemical and immunohistologic characterization of collagenous components in the normal and diseased skin. Weber L. **Prog Clin Biol Res** 1981;54:131–3

Laser–micro–mass analysis (LAMMA) of metallic and organic ions in medical samples. Kupka KD, et al. **Scan Electron Microsc** 1980;(Pt 2):635–40

Delayed primary closure. Tissue gas tensions in healing rat skin incisions. Fogdestam I, et al. **Scand J Plast Reconstr Surg** 1981;15(1):9–14

Immunofluorescence studies on cutaneous amyloidosis with anti–keratin antibody. Masu S, et al. **Tohoku J Exp Med** 1980 Sep;132(1):121–2

Extraction of hyaluronic acid from rabbit skin with lanthanum chloride. Munakata H, et al. **Tohoku J Exp Med** 1980 Nov;132(3):337–40

Reduction in dialysate calcium concentration lowers skin calcium content in patients on chronic hemodialysis. Zinn D, et al. **Trans Am Soc Artif Intern Organs** 1980;26:378–82

Keratin polypeptides distribution in normal and diseased human epidermis and oral mucosa. Immunohistochemical study on unaltered epithelium and inflammatory, premalignant and malignant lesions. Löning T, et al. **Virchows Arch [Pathol Anat]** 1980;388(3):273–88

[The influence of corneal stratum hydratation on the chronological development of acute ultraviolet injury (author's transl)] Blazek V, et al. **Strahlentherapie** 1981 Apr; 157(4):280–6 (Eng. Abstr.) **(Ger)**

[Images of intact biological systems obtained with nuclear magnetic resonance] De Luca F, et al. **Ann Ist Super Sanita** 1980;16(4):657–67 **(Ita)**

[Epidermial chalone of human skin. Review of the literature and experimental contribution (author's transl)] Bassi AM, et al. **Pathologica** 1980 Mar–Apr;72(1018):201–18 (59 ref.) (Eng. Abstr.) **(Ita)**

[Observations on the fine structures of glycosaminoglycans in normal and abnormal skin (author's transl)] Maeda H. **Nippon Hifuka Gakkai Zasshi** 1980;90(5):411–24 **(Jpn)**

[Evaluation of skin surface water content by measurement of electrical resistance to high frequency altemating current] Tagami H, et al. **Nippon Hifuka Gakkai Zasshi** 1980;90(5):445–7 **(Jpn)**

[Anti–inflammatory action of water extract of snake's moulted skin (author's transl)] Miyake Y, et al. **Yakugaku Zasshi** 1980 Jun;100(6):662–7 (Eng. Abstr.) **(Jpn)**

[Evaluation of occupational benzidine exposure of workers in automated benzidine plants] Krajewska D, et al. **Med Pr** 1980;31(5):403–10 (Eng. Abstr.) **(Pol)**

ANATOMY & HISTOLOGY

The variability of skin surface contours. Barbenel JC, et al. **Ann Biomed Eng** 1980;8(2):175–82

Elastic system fibers (oxytalan, elaunin and elastic fibers) in the skin of a freshwater teleost : optical and electron microscopy study. Ferri S. **Arch Anat Microsc Morphol Exp** 1980;69(4):259–66

Immunofluorescence microscopy studies of the granular and keratin layers of normal human skin. Burnham TK. **Arch Dermatol** 1981 May;117(5):268–72

Histological changes in Xenopus laevis Daudin adult specimens kept under dry conditions, then moved back to their natural aquatic environment. II. Skin, kidney and interrenal tissue. Campantico E, et al. **Arch Sci Biol (Bologna)** 1978 Jan–Dec;62(1–4):63–76

The significance of certain skin characters of sheep in resistance and susceptibility to fleece–rot and body strike. Watts JE, et al. **Aust Vet J** 1980 Feb;56(2):57–63

Improved visualization of oxytalan fibers with resorcin fuchsin. Rosenquist T. **Basic Appl Histochem** 1981; 25(2):129–32

Age dependent biochemical changes in dermal connective tissue. Relationship to histological and ultrastructural observations. Maurel E, et al. **Connect Tissue Res** 1980; 8(1):33–9

Skin anatomy in wound healing. Millikan LE. **Ear Nose Throat J** 1981 Jan;60(1):4–11

Langer's lines and skin scarring. **J Dermatol Surg Oncol** 1981 Apr;7(4):309, 347

Changes in skin surface patterns with age. Lavker RM, et al. **J Gerontol** 1980 May;35(3):348–54

Sign of scleroderma kidney [news] **JAMA** 1981 Jul 24–31; 246(4):324

Reduced skin thickness with pump administration of insulin [letter] Lieberman LS, et al. **N Engl J Med** 1980 Oct 16; 303(16):940–1

Relationship between fat in breast and thigh muscles and skin with abdominal fat from mated and unmated female Coturnix quail. Sadjadi M, et al. **Poult Sci** 1980 Nov; 59(11):2462–6

[Normal proximal nail fold structure (author's transl)] Schnitzler L, et al. **Ann Dermatol Venereol** 1980 Aug–Sep; 107(8–9):771–4 (Eng. Abstr.) **(Fre)**

[The conception of rhinoplasty on the basis of different skin types (author's transl)] Lallemant Y, et al. **Ann Otolaryngol Chir Cervicofac** 1980 Oct–Nov; 97(10–11):943–7 (Eng. Abstr.) **(Fre)**

[Cutaneous granular glands of Alytes cisternasii Bosca and Discoglossus pictus Otth (Amphibia, Anura, Discoglossidae): structure, ultrastructure, and certain cytochemical findings] Delfino G. **Arch Ital Anat Embriol** 1979 Jan–Mar;84(1):81–106 (Eng. Abstr.) **(Ita)**

BLOOD SUPPLY

Immunofluorescence study of cutaneous blood vessels of 16 patients with systemic lupus erythematosus. Igarashi R, et al. **Acta Derm Venereol (Stockh)** 1981;61(3):219–23

Local regulation of blood flow in cutaneous and subcutaneous tissue in patients with generalized scleroderma. Kristensen JK. **Acta Derm Venereol [Suppl] (Stockh)** 1980;Suppl 90:1–39

Retinal and dermal comparative evaluation of vascular abnormalities in myotonic dystrophy. Sandrini G, et al. **Acta Neurol (Napoli)** 1980 Oct;35(5):367–72

Skin blood flow in humans as a function of environmental temperature measured by ultrasound. Thoresen M, et al. **Acta Physiol Scand** 1980 Jul;109(3):333–41

Immunohistochemical identification of factor VIII–related antigen in endothelial cells of cutaneous lesions of alleged vascular nature. Burgdorf WH, et al. **Am J Clin Pathol** 1981 Feb;75(2):167–71

Absence of active cutaneous vasodilation associated with congenital absence of sweat glands in humans. Brengelmann GL, et al. **Am J Physiol** 1981 Apr; 240(4):H571–5

Cutaneous and skeletal muscle vascular responses to hypothermia. Major TC, et al. **Am J Physiol** 1981 Jun; 240(6):H868–73

Canine axial pattern flaps, using the omocervical, thoracodorsal, and deep circumflex iliac direct cutaneous arteries. Pavletic MM. **Am J Vet Res** 1981 Mar; 42(3):391–406

An arterial medial arm flap––vascular anatomy and clinical applications. Kaplan EN, et al. **Ann Plast Surg** 1980 Mar; 4(3):205–15

The vascularized isolated groin flap in rats –– a suitable tool for the study of burns. Bartelmann U, et al. **Arch Dermatol Res** 1981;270(2):159–62

Skin blood flow in seated geriatric patients. Bennett L, et al. **Arch Phys Med Rehabil** 1981 Aug;62(8):392–8

The effect of O–(beta–hydroxyethyl)–rutosides (HR) on the skin capillary resistance of rats. Gábor M. **Arzneimittelforsch** 1981;31(3):442–5

Cutaneous hyperaemia elicited by larvae of the cattle tick, Boophilus microplus. Hales JR, et al. **Aust J Biol Sci** 1981; 34(1):37–46

Cutaneous vasomotion during REM sleep in the rabbit's ear, after alpha–receptor blockade. Franzini C, et al. **Boll Soc Ital Biol Sper** 1980 May 15;56(9):971–4

Human dermal microvasculature: I. Its segmental differentiation. Light and electron microscopic study. Higgins JC, et al. **Br J Dermatol** 1981 Feb;104(2):117–29

Human dermal microvasculature: II. Enzyme histochemical and cytochemical study. Higgins JC, et al. **Br J Dermatol** 1981 May;104(5):521–9

Actions of locally administered adrenoceptor agonists on increased plasma protein extravasation and blood flow in guinea–pig skin. Beets JL, et al. **Br J Pharmacol** 1980 Nov; 70(3):461–7

Haemodynamics of the delayed skin flap: a total blood–flow study. Cutting CB, et al. **Br J Plast Surg** 1981 Apr; 34(2):133–5

The definition of cutaneous vascular territories over the back using selective angiography and the intra–arterial injection of prostaglandin E1: some observations on the use of the lower trapezius myocutaneous flap. Maruyama Y, et al. **Br J Plast Surg** 1981 Apr;34(2):157–61

The role of heparin in restoring the blood supply in ischaemic skin flaps: an experimental study in rabbits. Sawhney CP. **Br J Plast Surg** 1980 Oct;33(4):430–3

The relationship between the number of capillaries in the skin of the venous ulcer–bearing area of the lower leg and the fall in foot vein pressure during exercise. Burnand KG, et al. **Br J Surg** 1981 May;68(5):297–300

The effect of skin preparation and care on the incidence of superficial thrombophlebitis. Smallman L, et al. **Br J Surg** 1980 Dec;67(12):861–2

Chlorpropamide–alcohol flushing in non–insulin–dependent diabetics [letter] Hockaday TD, et al. **Br Med J** 1980 Aug 30;281(6240):620–1

Laser Doppler velocimetry vs heater power as indicators of skin perfusion during transcutaneous O2 monitoring. Enkema L Jr, et al. **Clin Chem** 1981 Mar;27(3):391–6

The chamber vasoconstrictor assay. I. Comparison with occluded and unoccluded tests using four corticosteroids. Somerma S. **Clin Exp Dermatol** 1980 Jun;5(2):191–6

Effect of head–up tilt on subcutaneous blood flow during the course of acute myocardial infarction. Skagen K. **Clin Sci** 1981 Feb;60(2):213–6

Local regulation of blood flow in subcutaneous tissue in patients with acute myocardial infarction. Skagen K, et al. **Clin Sci** 1981 Feb;60(2):157–64

Diflucortolone valerate (Nerisona): a comparative vasoconstriction test in artificially induced hyperemia of the skin. Reckers R, et al. **Clin Ther** 1980;3(3):190–3

Dermal vascular patterns in response to burn or freeze injury in rats. Ehrlich HP, et al. **Exp Mol Pathol** 1981 Jun; 34(3):281–9

Use of the medial upper arm skin as an arterialised flap. Hentz VR, et al. **Hand** 1980 Oct;12(3):241–7

Cultivation of microvascular endothelial cells from human preputial skin. Sherer GK, et al. **In Vitro** 1980 Aug; 16(8):675–84

Vascular changes in rabbit skin induced by proinflammatory phorbol and 12–deoxyphorbol esters. Williams TJ, et al. **Inflammation** 1981 Mar;5(1):29–36

Vascular response in halo of recent halo nevus. Berman A, et al. **J Am Acad Dermatol** 1981 May;4(5):537–40

Localized primary cutaneous intravascular papillary endothelial hyperplasia. Paslin DA. **J Am Acad Dermatol** 1981 Mar;4(3):316–8

Effect of upright exercise on threshold for cutaneous vasodilation and sweating. Johnson JM, et al. **J Appl Physiol** 1981 Apr;50(4):814–8

Human dermal microvascular endothelial cells in vitro: effect of cyclic AMP on cellular morphology and proliferation rate. Davison PM, et al. **J Cell Physiol** 1981 Feb; 106(2):253–8

Ultrastructure of the human dermal microcirculation. III. The vessels in the mid– and lower dermis and subcutaneous fat. Braverman IM, et al. **J Invest Dermatol** 1981 Sep; 77(3):297–304

Scanning and transmission electron microscope study on the terminal blood vessels of the rat skin. Imayama S. **J Invest Dermatol** 1981 Mar;76(3):151–7

Increased microvascular water filtration and blood flow in extensive skin disease. Worm AM, et al. **J Invest Dermatol** 1981 Feb;76(2):110–2

Histopathologic findings in a human arterial anastomosis after free flap transfer. Karl P, et al. **J Microsurg** 1980 Mar–Apr; 1(5):394–8

The influence of laboratory anaesthetics on the increased cutaneous vascular permeability responses to histamine and 5–hydroxytryptamine in rats. O'Duffy G, et al. **J Pharmacol Methods** 1980 Nov;4(3):231–5

Increasing dermal perfusion after burning by decreasing thromboxane production. Robson MC, et al. **J Trauma** 1980 Sep;20(9):722–5

Chlorpropamide alcohol flushing [letter] **Lancet** 1981 Feb 7;1(8215):336–7

Chlorpropamide alcohol flushing [letter] Barnett AH, et al. **Lancet** 1981 Jan 24;1(8213):222

Low incidence of chlorpropamide–alcohol flushing in diet–treated, non–insulin–dependent diabetes. deSilva NE, et al. **Lancet** 1981 Jan 17;1(8212):128–31

Early reduction of vascular reactivity in diabetic children detected by transcutaneous oxygen electrode. Ewald U, et al. **Lancet** 1981 Jun 13;1(8233):1287–8

Total ischaemia at site of local anaesthesia in patient on debrisoquine [letter] French AJ, et al. **Lancet** 1980 Aug 30;2(8192):484–5

Chlorpropamide alcohol flush [letter] Jefferys DB, et al. **Lancet** 1981 Feb 21;1(8217):440

Is the blood chlorpropamide concentration critical in chlorpropamide alcohol flush? [letter] Jerntorp P, et al. **Lancet** 1981 Jan 17;1(8212):165–6

Is cutaneous flushing prostaglandin mediated? Phillips WS, et al. **Lancet** 1981 Apr 4;1(8223):754–6

Relative hematocrit in human skin capillaries and its relation to capillary blood flow velocity. Fagrell B, et al. **Microvasc Res** 1980 Nov;20(3):327–35

The evaluation of an isotope clearance technique in the dermis of pig skin: a correlation of functional and morphological parameters. Young CM, et al. **Microvasc Res** 1980 Sep;20(2):182–94

Postocclusive cutaneous vasodilatation mediated by substance P. Lembeck F, et al. **Naunyn Schmiedebergs Arch Pharmacol** 1981 Apr; 316(2):165–71

Electromagnetic flowmetry––an experimental method for continuous blood flow measurement using a new island flap model. Banis JC Jr, et al. **Plast Reconstr Surg** 1980 Oct;66(4):534–44

Another use for the first web space of the foot: neurovascular island flap. Hendel PM, et al. **Plast Reconstr Surg** 1980

Sep;66(3):468–70

Survival following vascular compromise in an island skin flap. McKee NH, et al. **Plast Reconstr Surg** 1981 Feb; 67(2):200–4

Postrhinoplasty 'red nose': differential diagnosis and treatment by laser. Noe JM, et al. **Plast Reconstr Surg** 1981 May;67(5):661–4

Quantification of tissue fluorescein delivery and prediction of flap viability with the fiberoptic dermofluorometer. Silverman DG, et al. **Plast Reconstr Surg** 1980 Oct; 66(4):545–53

Comparisons of cutaneous microvessels from spontaneously hypertensive, normotensive Wistar–Kyoto, and normal Wistar rats. Haack DW, et al. **Proc Soc Exp Biol Med** 1980 Sep;164(4):453–8

The effect of leukotrienes C4 and D4 on the microvasculature of guinea-pig skin. Peck MJ, et al. **Prostaglandins** 1981 Feb;21(2):315–21

The action of chemically pure SRS-A on the microcirculation in vivo. Williams TJ, et al. **Prostaglandins** 1980 May;19(5):779–89

Technical report--a new chamber technique for microvascular studies in unanesthetized hamsters. Endrich B, et al. **Res Exp Med (Berl)** 1980;177(2):125–34

A topographical study of increased vascular permeability in acute inflammatory reaction in the chicken skin. Awadhiya RP, et al. **Res Vet Sci** 1980 Sep;29(2):203–10

Skin perfusion pressure on the legs measured as the external pressure required for skin reddening after blanching: a photo-electric technique compared to isotope washout. Holstein P, et al. **Scand J Clin Lab Invest** 1980 Oct; 40(6):535–43

The effect of pressure and its duration on microcirculation and healing of skin flaps. An experimental study in rabbits. Lauritzen C, et al. **Scand J Plast Reconstr Surg** 1981; 15(1):5–8

The adrenergic innervation of arteriovenous anastomoses in the subcutaneous fascia of rat skin. Waris T, et al. **Scand J Plast Reconstr Surg** 1980;14(3):215–20

[Thermometric evaluation of thermal effects of electrotherapy and thermal therapy] Kadeřávek F. **Fysiatr Reumatol Vestn** 1980;58(6):342–5 (Eng. Abstr.) **(Cze)**

[Antigenic determinants within immune complexes: similar and heterogeneous distribution in cutaneous vasculitis (author's transl)] Dambuyant C, et al. **Ann Dermatol Venereol** 1980 Jun;107(6):525–9 (Eng. Abstr.) **(Fre)**

[Significance of vascular fluorescence of superficial and mid-dermis (author's transl)] Morel P, et al. **Ann Dermatol Venereol** 1980 Jun;107(6):507–13 (Eng. Abstr.) **(Fre)**

[Musculo-cutaneous circulatory alternation in the extremities] van der Stricht J. **Bull Mem Acad R Med Belg** 1979 Dec 15;134(11):678–93 (Eng. Abstr.) **(Fre)**

[Thermosensitivity of cutaneous vessels and Raynaud's disease] Vanhoutte PM, et al. **Rev Med Liege** 1980 Oct 1;35(19):634–9 **(Fre)**

[An optoelectronic method for the evaluation of the cutaneous vasoconstriction and vasodilatation after topical application of different ointments (author's transl)] Blazek V, et al. **Biomed Tech (Berlin)** 1980 Oct;25(10):261–8 (Eng. Abstr.) **(Ger)**

[Transcutaneous PO2-measurement for objective assessment of development of pedicle skin flaps] Keller HP, et al. **Med Welt** 1980 Apr 11;31(15):556–7 **(Ger)**

[Microscopy of the capillaries using an ophthalmoscope] Mahler F. **Vasa** 1981;10(2):180–1 (Eng. Abstr.) **(Ger)**

[Ultrastructure of cutaneous lesions in lupus erythematosus. Comparison between cutaneous type and systemic type. (4) Dermal blood vessels (author's transl)] Ogawa K. **Nippon Hifuka Gakkai Zasshi** 1981 Mar;91(4):473–86 **(Jpn)**

[Circulation in island flaps: experimental study in rats] Besteiro JM, et al. **Rev Paul Med** 1980 Sep–Oct; 96(3–4):56–60 (Eng. Abstr.) **(Por)**

[Technic of optical mixing spectroscopy in the diagnosis of blood microcirculations] Aref'ev IM, et al. **Biull Eksp Biol Med** 1981 Feb;91(2):244–6 (Eng. Abstr.) **(Rus)**

[Reactions of the venous vessels of muscle and skin during static contraction of small muscle groups] Tkhorevskiĭ VI. **Fiziol Zh SSSR** 1981 Jan;67(1):48–55 (Eng. Abstr.) **(Rus)**

[Current approaches to the study of peripheral blood circulation using a new Soviet-made apparatus] Almazov II, et al. **Ter Arkh** 1980;52(12):53–5 (Eng. Abstr.) **(Rus)**

[Fulminant course of hemorrhagic vasculitis] Shupen'ko NM, et al. **Vestn Dermatol Venerol** 1981 Mar;(3):62–5 (Eng. Abstr.) **(Rus)**

[Microvascular reactivity, tissue blood flow and hyperlipidemia in ischemic heart disease] Shchepotin IuB. **Vrach Delo** 1980 Sep;(9):50–2 (Eng. Abstr.) **(Rus)**

CYTOLOGY

The ultrastructure of the dermo-epidermal junction in lichen planus. Clausen J, et al. **Acta Derm Venereol (Stockh)** 1981; 61(2):101–6

Elevated colchicine sensitivity of dermal lymphocytes in mycosis fungoides. Sterry W, et al. **Acta Derm Venereol (Stockh)** 1980;60(3):257–9

Effect of serum and oxygen tension on human skin organ culture: a histometric analysis. Tammi R, et al. **Acta Derm Venereol (Stockh)** 1980;60(3):223–8

The Keraton [letter] **Am J Dermatopathol** 1980 Spring; 2(1):92–3

Molecular dissection of the dermal–epidermal junction. Diaz LA. **Am J Dermatopathol** 1980 Spring;2(1):79–81

The neuroendocrine (APUD) cells of the skin. Pearse AG. **Am J Dermatopathol** 1980 Summer;2(2):121–3

Effects of chromosome constitution on growth and longevity of human skin fibroblast cultures. Hoehn H, et al. **Am J Med Genet** 1980;7(2):141–54

Modification of mitochondria-rich cells in different ionic conditions: changes in cell morphology and cell number in the skin of Xenopus laevis. Ilic V, et al. **Anat Rec** 1980 Feb;196(2):153–61

Freeze-fracture study of melanosomes in mammalian epidermis and the distribution of intramembrane particles in the melanosome membrane. García RI, et al. **Arch Dermatol Res** 1981;270(1):1–6

Effect of methylglyoxal bisguanylhydrazone on polyamine biosynthesis, growth, and differentiation of cultured keratinocytes. Proctor MS, et al. **Arch Dermatol Res** 1980; 269(1):61–8

Influence of intercellular agents on proliferation and gene activity of cultured human skin epithelium cells (NCTC 2544). Reimer G, et al. **Arch Dermatol Res** 1981; 270(3):313–24

Glucocorticoid receptors and inhibition of neonatal mouse dermal fibroblast growth in primary culture. Verbruggen LA, et al. **Arch Dermatol Res** 1980;269(2):111–26

In vitro growth of normal and abnormal keratinocytes. Baden HP, et al. **Birth Defects** 1980;16(2):175–81

In vitro growth and characterization of human skin cells. Freeman AE. **Birth Defects** 1980;16(2):169–73

Dermal and epidermal structures of the volar skin. Okajima M. **Birth Defects** 1979;15(6):179–98

An attempt to use vincristine and colcemid to measure proliferative rates in normal human epidermis in vivo. Camplejohn RS, et al. **Br J Dermatol** 1981 Mar; 104(3):243–7

Measurement of biological ageing in human epidermis. Marks R. **Br J Dermatol** 1981 Jun;104(6):627–33

An unusual case of mannosidosis with severe deficiency of acid mannosidase in leukocytes and high residual enzymatic activity in skin fibroblasts. Tsvetkova IV, et al. **Clin Chim Acta** 1980 Oct 23;107(1–2):37–42

Cells cultured from the diabetic (DB/DB) mouse have a permanent decrease in insulin receptors. Raizada MK, et al. **Endocrinology** 1980 Nov;107(5):1652–5

The growth responses of hamster chondrocytes, dermal fibroblasts and embryo cells to whole blood serum and plasma-derived serum. Katoh Y, et al. **Experientia** 1981 Apr 15;37(4):386–7

Fluorescein-concanavalin A conjugates distinguish between normal and malignant human cells: a preliminary report. Louis CJ, et al. **Experientia** 1981 May 15;37(5):508–9

The keratinocyte as differentiated cell type. Green H. **Harvey Lect** 1980;74:101–39 (169 ref.)

Some metabolic differences between human skin and aponeurosis fibroblasts in culture. Lemonnier F, et al. **J Cell Physiol** 1980 Sep;104(3):415–23

Identification and behavior of label-retaining cells in oral mucosa and skin. Bickenbach JR. **J Dent Res** 1981 Aug; 60 Spec No C:1611–20

The role of intracellular lysosomal enzymes in the autocellular-surveillance of unhydroxylated collagens in dermal and gingival fibroblasts. Roszkowski M, et al. **J Dent Res** 1981 Jun;60(6):1045–52

Isolation and growth of endothelial cells from the microvessels of the newborn human foreskin in cell culture. Davison PM, et al. **J Invest Dermatol** 1980 Oct;75(4):316–21

DNA repair responses in human skin cells. Hanawalt PC, et al. **J Invest Dermatol** 1981 Jul;77(1):86–90

The development of ordered structure in neonate rat epidermis. Mackenzie IC, et al. **J Invest Dermatol** 1981 Sep;77(3):278–82

Photoreactivation in bacteria and in skin. Sutherland BM. **J Invest Dermatol** 1981 Jul;77(1):91–5

Difference between the glycosaminoglycans synthetized by corneal and cutaneous fibroblasts in culture. Klintworth GK, et al. **Lab Invest** 1981 Jun;44(6):553–9

Site differences in fat cells of New Zealand obese mice--a transplantation study. Meade CJ, et al. **Metabolism** 1980 Sep;29(9):854–8

Dermal fibroblasts. Ham RG. **Methods Cell Biol** 1980; 21A:255–76

Histophysiologic gradient culture of stratified epithelium. Leighton J, et al. **Methods Cell Biol** 1980;21:287–307

Rapid deposition of subcutaneous areolar tissue in response to sexual stimulation in mice. Bronson FH. **Nature** 1979 Sep 27;281(5729):301–2

Heritable colonic cancer syndromes: induction of anchorage-independence in dermal cultures derived from patients with adenomatosis of the colon and rectum. Danes BS. **Oncology** 1980;37(6):386–9

Micromorphology of the skin (epidermis, dermis, subcutis) of the dog. Schwarz R, et al. **Onderstepoort J Vet Res** 1979 Jun;46(2):105–9

Effects of various sera on growth kinetics and collagen synthesis by keloid and normal dermal fibroblasts. McCoy BJ, et al. **Plast Reconstr Surg** 1981 Apr;67(4):505–10

The use of antihistamine to retard the growth of fibroblasts derived from human skin, scar, and keloid. Topol BM, et al. **Plast Reconstr Surg** 1981 Aug;68(2):227–32

An endocrine approach to the control of epidermal growth: serum-free cultivation of human keratinocytes. Maciag T, et al. **Science** 1981 Mar 27;211(4489):1452–4

[The epidermal Langerhans cells - a centennial] Koulu L, et al. **Duodecim** 1980;96(23–24):1587–91 **(Fin)**

[Effect of androgens on the growth of skin fibroblasts in culture] Sultan C, et al. **C R Soc Biol (Paris)** 1980; 174(5):800–3 (Eng. Abstr.) **(Fre)**

[Alternations of dermal lymphocytes in mycosis fungoides, a study with the scanning electron microscope (author's transl)] Sterry W, et al. **Z Hautkr** 1981 Apr 15; 56(8):498–508 (Eng. Abstr.) **(Ger)**

[Histologic investigations of PTFE-surface acting for direct tissue contact on implants (author's transl)] Schneider UA, et al. **Z Orthop** 1980 Oct;118(5):788–92 (Eng. Abstr.) **(Ger)**

[Histologic studies on the relationships of cleavages lines and arrangements of dermal vessels in the facial skin of Japanese cadavers (author's transl)] Nakano Y. **Kokubyo Gakkai Zasshi** 1980 Jun;47(2):247–80 (Eng. Abstr.) **(Jpn)**

[On the epidermal keratinization (author's transl)] Seiji M. **Nippon Hifuka Gakkai Zasshi** 1980 Nov;90(12):1192–9 (16 ref.) **(Jpn)**

DRUG EFFECTS

Effect of UV-B erythema of psoralen, trimethylpsoralen, and 8 methoxypsoralen. Coupez L, et al. **Acta Derm Venereol (Stockh)** 1980;60(5):456–9

Studies on pruritogenic and histamine-releasing effects of some putative peptide neurotransmitters. Fjellner B, et al. **Acta Derm Venereol (Stockh)** 1981;61(3):245–50

The 'lumpy-bumpy' elastic fiber. A marker for long-term administration of penicillamine. Gebhart W, et al. **Am J Dermatopathol** 1981 Spring;3(1):33–9

Atypical reactions to Monsel's solution [letter] Wood C. **Am J Dermatopathol** 1981 Spring;3(1):97–9

Retinoids inhibit promoter-dependent preneoplastic progression in mouse epidermal cell lines. Colburn NH, et al. **Ann NY Acad Sci** 1981 Feb 27;359:251–9

Modulation of terminal differentiation and responses to tumor promoters by retinoids in mouse epidermal cell cultures. Yuspa SH, et al. **Ann NY Acad Sci** 1981 Feb 27;359:260–73

Retinoids, cancer, and the skin. Elias PM, et al. **Arch Dermatol** 1981 Mar;117(3):160–8 (355 ref.)

Inhibition of rat skin ornithine decarboxylase by nitrofurazone [letter] Lesiewicz J, et al. **Arch Dermatol** 1980 Nov;116(11):1225–6

Topical drug effects on normal and proliferating epidermal cell models. Lowe NJ, et al. **Arch Dermatol** 1981 Jul; 117(7):394–8

Effects of five anti-inflammatory steroids on DNA synthesis by normal skin fibroblasts in vitro. Saarni K, et al. **Arch Dermatol Res** 1980;268(2):217–9

The effects of long-term local PUVA treatment on collagen metabolism in human skin. Väätäinen N, et al. **Arch Dermatol Res** 1980;269(1):99–104

Effect of cyclophosphamide vinblastine and nitracrine on bioelectric properties of the frog skin epithelium in vitro. Wieraszko E. **Arch Immunol Ther Exp (Warsz)** 1980; 28(5):791–803

Effects of internally administered N-[5-(4-aminophenoxy)pentyl]phthalimide on wool follicles and skin of sheep. Chapman RE, et al. **Aust J Biol Sci** 1980 May;33(2):183–95

An organ culture of adult mouse skin: an in vitro model for studying the molecular mechanism of skin tumor promotion. Verma AK, et al. **Biochem Biophys Res Commun** 1980 Sep 30;96(2):854–62

The effect of placebo and 'aggro' on the weal and flare response to histamine. Cook LJ, et al. **Br J Dermatol** 1981 Jan;104(1):27–9

Cutaneous biometrics I. The response of human skin to dimethyl sulphoxide. Frosch PJ, et al. **Br J Dermatol** 1980 Sep;103(3):263–74

Oxatomide: in vivo assessment of antagonistic activity, and effects on histamine release and enzymatic histamine degradation in skin. Gatti S, et al. **Br J Dermatol** 1980 Dec;103(6):671–7

The effects on rat skin of prolonged exposure to water. Jolly M, et al. **Br J Dermatol** 1980 Oct;103(4):387–95

The atrophogenic effect of crude coal tar on human epidermis. Lavker RM, et al. **Br J Dermatol** 1981 Jul; 105(1):77–82

Vascular and sensory responses of human skin to mild injury after topical treatment with capsaicin. Carpenter SE, et al. **Br J Pharmacol** 1981 Jul;73(3):755–8

Histamine weal formation and absorption in man. Cook J, et al. **Br J Pharmacol** 1980 Aug;69(4):579–85

The limited role of corticosteroids in ameliorating experimental doxorubicin skin toxicity in the mouse. Dorr RT, et al. **Cancer Chemother Pharmacol** 1980 Nov; 5(1):17–20

Effect of a chemical carcinogen and phorbol esters on sterol metabolism of mouse skin. Morita T, et al. **Cancer Res** 1981 Jul;41(7):2943–9

Protection against adriamycin-induced skin necrosis in the rat by dimethyl sulfoxide and alpha-tocopherol. Svingen BA, et al. **Cancer Res** 1981 Sep;41(9 Pt 1):3395–9

Severe skin necrosis produced by piperazinedione extravasation. Brenner DE, et al. **Cancer Treat Rep** 1980; 64(12):1392–4

Cutaneous necrosis from chemotherapy in a patient with an arteriovenous fistula. Gill DP, et al. **Cancer Treat Rep** 1981 Mar–Apr;65(3–4):352–3

Cumulative effect of surfactants on cutaneous horny layers: lysosomal activity of human keratin layers in vivo. Imokawa G, et al. **Contact Dermatitis** 1981 Mar;7(2):65–71

Histological changes in rabbits after application of medicaments and cosmetic bases. II. Rantuccio F, et al. **Contact Dermatitis** 1981 Mar;7(2):94–7

Skin moisturization without occlusion. Rietschel RL, et al. **Cutis** 1981 May;27(5):543–4

Hydroxycitronellal: A survey of consumer patch-test sensitization. Steltenkamp RJ, et al. **Food Cosmet Toxicol** 1980 Aug;18(4):407–12

Cinnamic alcohol: A survey of consumer patch-test sensitization. Steltenkamp RJ, et al. **Food Cosmet Toxicol** 1980 Aug;18(4):419–24

Citral: A survey of consumer patch-test sensitization. Steltenkamp RJ, et al. **Food Cosmet Toxicol** 1980 Aug; 18(4):413–17

Oral retinoids in dermatology. Fritsch P. **Int J Dermatol** 1981 Jun;20(5):314–29 (104 ref.)

Effect of indomethacin and naproxen on collagen cross-linking. Arumugham R, et al. **Ital J Biochem** 1980 May–Jun;29(3):159–66

Elastic tissue changes in skin following PUVA therapy. Zelickson AS, et al. **J Am Acad Dermatol** 1980 Aug; 3(2):186–92

Plasminogen activator induction and platelet aggregation by phorbol and some of its derivatives: correlation with skin irritancy and tumor-promoting activity. Brynes PJ, et al. **J Cancer Res Clin Oncol** 1980;97(3):257–66

pHresh 3.5: a new low pH liquid skin cleanser. Shellow WV. **J Int Med Res** 1981;9(4):297–9

Inhibition of axon reflex vasodilatation by topically applied capsaicin. Bernstein JE, et al. **J Invest Dermatol** 1981 May; 76(5):394–5

Cell cycle analysis of cultured mammalian cells after exposure to 4,5',8-trimethylpsoralen and long-wave ultraviolet light. Cohen SR, et al. **J Invest Dermatol** 1981 May;76(5):409–13

Response of epidermal cell proliferation to orally administered aromatic retinoid. Fritsch PO, et al. **J Invest Dermatol** 1981 Sep;77(3):287–91

The effect of various sunscreen agents on skin damage and the induction of tumor susceptibility in mice subjected to ultraviolet irradiation. Gurish MF, et al. **J Invest Dermatol** 1981 Apr;76(4):246–51

Chlorpromazine phototoxicity: growth inhibition and DNA-interaction in normal human fibroblasts. Ljunggren B, et al. **J Invest Dermatol** 1980 Sep;75(3):253–6

New model of a scaling dermatosis: induction of hyperproliferation in hairless mice with eicosa-5,8,11-trienoic acid. Nguyen TT, et al. **J Invest Dermatol** 1981 May;76(5):384–7

Photoinactivation and recovery in skin fibroblasts after formation of mono- and bifunctional adducts by furocoumarins-plus-UVA. Pohl J, et al. **J Invest Dermatol** 1980 Oct;75(4):306–10

Comparison of xeroradiographic and ultrasound detection of corticosteroid induced dermal thinning. Tan CY, et al. **J Invest Dermatol** 1981 Feb;76(2):126–8

Pharmacology and toxicology of infant skin. West DP, et al. **J Invest Dermatol** 1981 Mar;76(3):147–50

Sebaceous gland differentiation: III. The uses and limitations of freshly isolated mouse preputial gland cells for the in vitro study of hormone and drug action. Wheatley VR, et al. **J Invest Dermatol** 1981 Apr;76(4):293–6

Retinoic acid delays the terminal differentiation of keratinocytes in suspension culture. Yaar M, et al. **J Invest Dermatol** 1981 May;76(5):363–6

Anti-inflammatory activity of copper salicylates applied to rats percutaneously in dimethyl sulphoxide with glycerol. Beveridge SJ, et al. **J Pharm Pharmacol** 1980 Jun; 32(6):425–7

Skin tearing during corticosteroid therapy [letter] **JAMA** 1980 Nov 21;244(20):2261–2

Minocycline-induced pigmentation at sites of cutaneous inflammation. Fenske NA, et al. **JAMA** 1980 Sep 5; 244(10):1103–6

Soft-tissue necrosis induced by extravasated cancer chemotherapeutic agents. Barr RD, et al. **JNCI** 1981 Jun; 66(6):1129–36

Fatality due to acute systemic fluoride poisoning following a hydrofluoric acid skin burn. Tepperman PB. **JOM** 1980 Oct;22(10):691–2

Cisplatin-induced changes in sodium, chloride, and urea transport by the frog skin. van den Berg EK Jr, et al. **Kidney Int** 1981 Jan;19(1):8–14

Effect of chronic ingestion of DDT on physiological and biochemical aspects of essential fatty acid deficiency. Sampson DA, et al. **Lipids** 1980 Oct;15(10):815–22

Effect of some physiologically important drugs on the skin impedance. Behari J, et al. **Med Biol Eng Comput** 1981 Mar;19(2):244–6

Defining a practical solution for iontophoretic local anesthesia of skin. Gangarosa LP Sr. **Methods Find Exp Clin Pharmacol** 1981 Mar–Apr; 3(2):83–94

Acute and chronic effects of morphine on transmembrane potential and on short-circuit current in isolated toad skin: apparent morphine dependence. Contreras G, et al. **Neuropharmacology** 1980 Nov;19(11):1081–6

The comparative effect of two teat dips on udder health and teat skin quality. Gudding R. **Nord Vet Med** 1980 Sep; 32(9):374–7

Experimental evidence for involvement of prostaglandins in viability and acute skin flaps: effects on viability and mode of action. Sasaki GH, et al. **Plast Reconstr Surg** 1981 Mar; 67(3):335–40

Ultrastructural study of the cardiotoxicity and light-microscopic findings of the skin after treatment of golden hamsters with seven different anthracyclines. Dantchev D, et al. **Recent Results Cancer Res** 1980; 74:223–49

Comparative dermatotoxicology. I. Direct comparison of rabbit and human primary skin irritation responses to isopropylmyristate. Campbell RL, et al. **Toxicol Appl Pharmacol** 1981 Jul;59(3):555–63

The tumorigenic and carcinogenic effect of TPA (12-0-tetradecanoylphorbol-13-acetate) when applied to the skin of BALB/cA mice. Astrup EG, et al. **Virchows Arch [Cell Pathol]** 1980;33(3):303–4

Dose dependency of the responses in draining lymph nodes and skin to repeated applications of oxazolone. A quantitative and histological study in mice. Myking AO. **Virchows Arch [Cell Pathol]** 1979 Dec;32(1):21–31

[Methods of skin-irritation testing of drug in Czechoslovakia – a suggestion for improving precision] Sováková V, et al. **Cesk Farm** 1981 May;30(3–4):103–10 (Eng. Abstr.) **(Cze)**

[Skin reactions caused by propylene glycol] Andersen KE. **Ugeskr Laeger** 1980 Sep 15;142(38):2478–80 (Eng. Abstr.) **(Dan)**

[Study on phototoxicity and photoallergy of a preparation containing 10 p. 100 benzoyl peroxide after topical application on guinea-pigs (author's transl)] Andermann G, et al. **Ann Dermatol Venereol** 1980;107(10):913–6 (Eng. Abstr.) **(Fre)**

[Effect of salicylic acid and finely divided sulfur on the bioavailability of corticosteroids in the skin in external therapy] Gloor M, et al. **Z Hautkr** 1980 Sep 1; 55(17):1105–15 (Eng. Abstr.) **(Ger)**

[Irritative effect of aclacinomycin A on the eye mucous membrane, skin and muscle (author's transl)] Ohmori K, et al. **Jpn J Antibiot** 1980 Apr;33(4):453–65 (Eng. Abstr.) **(Jpn)**

[Importance of skin function tests in the determination of the pathomechanism of chromium-induced eczema] Dziubińska-Mizgalska J. **Przegl Dermatol** 1980 May–Jun; 67(3):325–31 (Eng. Abstr.) **(Pol)**

[Studies on the effect of 3 varieties of an anti-adhesive mineral oil izoform on the skin of mice] Rubisz-Brzezińska J, et al. **Przegl Dermatol** 1980 Sep–Oct;67(5):573–80 (Eng. Abstr.) **(Pol)**

[Effect of mineral oil on mouse skin from its histochemical aspect] Rubisz-Brzezińska J, et al. **Przegl Dermatol** 1980; 67(6):753–61 (Eng. Abstr.) **(Pol)**

[Effect of 17-hydrocortisone butyrate (locoid) in various skin diseases, and its effect on intact skin in the light of electrothermometric experimental studies] Szyszymar B, et al. **Przegl Dermatol** 1980 May–Jun;67(3):357–60 (Eng. Abstr.) **(Pol)**

[Condition of the skin and capillaroscopic picture of the ungual folds in workers at petroleum distribution centers] Zebracka T, et al. **Przegl Dermatol** 1980;67(6):763–6 (Eng. Abstr.) **(Pol)**

[Toxic effect of liquid metofos] Kołodziejczyk E, et al. **Rocz Panstw Zaki Hig** 1980;31(3):301–4 (Eng. Abstr.) **(Pol)**

[Morphological changes in the cuticle of Ascaris lumbricoides suis L. under the effect of anthelmintics] Grzywacz M. **Wiad Parazytol** 1980;26(1):45–51 (Eng. Abstr.) **(Pol)**

[Effect of diesel fuel on skin sensory functions] Gusein-zade KM. **Gig Tr Prof Zabol** 1980 Sep;(9):39–41 **(Rus)**

[Some fractions of polychlorinated biphenyls and their effect on rabbit skin (author's transl)] Sak M, et al. **Cesk Dermatol** 1981 Apr;56(2):78–84 (Eng. Abstr.) **(Slo)**

EMBRYOLOGY

Scales into feathers--an effect of retinoic acid on tissue interactions in the developing chick. Hardy MH, et al. **Ann NY Acad Sci** 1981 Feb 27;359:394–5

Autoradiographic investigations on the cell kinetics of epidermis and periderm of limb buds from mouse embryos in vitro. Herken R, et al. **Br J Dermatol** 1981 Mar; 104(3):277–84

Cultivation and characterization of macrophages from murine embryonic skin. Are they Langerhans cells? Huff TF, et al. **Cell Immunol** 1980 Oct;55(2):406–19

Induction of the alpha-type keratinization by hydrocortisone in embryonic chick skins grown in a chemically defined medium. An electron microscopic study. Takata K, et al. **Dev Biol** 1981 Jul 30;85(2):370–9

Development of rat Merkel cells. English KB, et al. **J Comp Neurol** 1980 Nov 15;194(2):475–96

The changes in lectin activity during the development of embryonic chick skin. Kitamura K. **J Embryol Exp Morphol** 1980 Oct;59:59–69

The site of action of the naked locus (N) in the mouse as determined by dermal-epidermal recombinations. Raphael KA, et al. **J Embryol Exp Morphol** 1980 Jun;57:143–53

Development of dentition and dermal skeleton in embryonic Scyliorhinus canicula. Reif WE. **J Morphol** 1980 Dec; 166(3):275–88

Antigenic similarity between squamous cell carcinoma of horn (horn cancer) and normal bovine foetal tissues. Kuchroo V, et al. **Trop Anim Health Prod** 1979 Nov; 11(4):203–7

[Origin of cutaneous smooth muscles in birds (author's transl)] Kieny M, et al. **Arch Anat Microsc Morphol Exp** 1979;68(4):283–90 (Eng. Abstr.) **(Fre)**

[Ribosome crystallization in the in vitro differentiation of chick embryo epidermis] Bubola G, et al. **Boll Soc Ital Biol Sper** 1981 Mar 15;57(5):497–503 (Eng. Abstr.) **(Ita)**

[Electrophoretic characterization of glycosaminoglycans during development of the chick embryo skin] Pane G, et al. **Boll Soc Ital Biol Sper** 1980 Feb 29;56(4):385–90 (Eng. Abstr.) **(Ita)**

[Ribosomal crystallization in the in vitro differentiation of mesenchymal cells interacting with the epithelium] Zambonelli LS, et al. **Boll Soc Ital Biol Sper** 1981 Mar 15;57(5):504–10 (Eng. Abstr.) **(Ita)**

[Ultrastructural studies of the Merkel cells in the 20-day fetus rat (author's transl)] Ochiai T, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Jan;91(1):7–12 **(Jpn)**

[Development of the papillary designs of human fingers] Guseva IS, et al. **Arkh Anat Gistol Embriol** 1981 Feb; 80(2):75–80 (Eng. Abstr.) **(Rus)**

ENZYMOLOGY

Adenosine deaminase and purine nucleoside phosphorylase activities during culturing of fibrolasts. Uitendaal MP, et al. **Adv Exp Med Biol** 1980;122A:415–20

Neuron-specific enolase in the Merkel cells of mammalian skin. The use of specific antibody as a simple and reliable histologic marker. Gu J, et al. **Am J Pathol** 1981 Jul; 104(1):63–8

A proteaselike permeability factor in guinea pig skin: contact activation of the latent permeability factor and its nature as a prekallikrein activator. Kozono K, et al. **Am J Pathol** 1980 Sep;100(3):619–31

Role of lysosomal acid ceramidase in the metabolism of ceramide in human skin fibroblasts. Chen WW, et al. **Arch Biochem Biophys** 1981 May;208(2):444–55

The stoichiometric activation of human skin fibroblast pro-collagenase by factors present in human skin and rat uterus. Tyree B, et al. **Arch Biochem Biophys** 1981 May; 208(2):440–3

A new animal model for the study of cutaneous drug-metabolizing enzymes. Goerz G, et al. **Arch Dermatol Res** 1981;270(3):367–9

Arylsulfatase C activities in skin preparations of X-linked and autosomal dominant ichthyosis. Meyer JC, et al. **Arch Dermatol Res** 1980;269(2):213–5

Release from intracellular enzymes from cutaneous cells after non-necrotizing damage by ultraviolet light. Volden G, et al. **Arch Dermatol Res** 1980;268(3):225–30

Na+/K+-dependent adenosinetriphosphatase activity in the skin, kidney and muscle in Xenopus laevis (Daud.) adult specimens under different experimental conditions. Giunta C, et al. **Arch Sci Biol (Bologna)** 1978 Jan–Dec; 62(1–4):21–30

Inhibition of lysyl oxidase and prolyl hydroxylase activity in glucocorticoid treated rats. Benson SC, et al. **Biochem Biophys Res Commun** 1981 Mar 31;99(2):557–62

12-O-Tetradecanoylphorbol-13-acetate induced alterations in mouse epidermal 3-hydroxy-3-methylglutaryl CoA reductase. Kishore GS, et al. **Biochem Biophys Res Commun** 1981 Apr 30;99(4):1420–6

Increase in histidine decarboxylase activity in mouse skin after application of the tumor promoter tetradecanoylphorbol acetate. Watanabe T, et al. **Biochem Biophys Res Commun** 1981 May 15;100(1):427–32

Phorbol ester tumor promoters induce epidermal transglutaminase activity. Yuspa SH, et al. **Biochem Biophys Res Commun** 1980 Nov 28;97(2):700–8

Reduced lysyl oxidase activity in skin fibroblasts from patients with Menkes' syndrome. Royce PM, et al. **Biochem J** 1980 Nov 15;192(2):579–86

Deoxyguanosine kinase of neonatal mouse skin tissue. Barker J, et al. **Biochim Biophys Acta** 1981 Mar 13;658(1):111–23

Rat hair follicle and epidermal transglutaminases. Biochemical and immunochemical isoenzymes. Peterson LL, et al. **Biochim Biophys Acta** 1981 Jan 15;657(1):268–76

Skin sulfhydryl oxidase. Purification and some properties. Takamori K, et al. **Biochim Biophys Acta** 1980 Oct; 615(2):309–23

Induction of hyaluronic acid synthetase by estrogen in the mouse skin. Uzuka M, et al. **Biochim Biophys Acta** 1981 Apr 3;673(4):387–93

Significant variation in mouse-skin aryl hydrocarbon hydroxylase inducibility as a function of the hair growth cycle. Manil L, et al. **Br J Cancer** 1981 Feb;43(2):210–21

Cyclic GMP metabolism in psoriasis: increased activity of soluble epidermal cyclic GMP phosphodiesterase and its modulation by calcium. Cantieri JS, et al. **Br J Dermatol** 1981 Mar;104(3):301–5

Endogenous peroxidases: a morphological and functional marker to study inflammatory skin diseases. Dubertret L, et al. **Br J Dermatol** 1980 Jun;102(6):669–74

Effects of hydrocortisone on the adrenaline-adenylate cyclase system of the skin. Iizuka H, et al. **Br J Dermatol** 1980 Jun;102(6):703-10

Acidic phospholipases in cultured human fibroblasts: deficiency of phospholipase C in Niemann-Pick disease. Beaudet AL, et al. **Clin Chim Acta** 1980 Dec 22; 108(3):403-14

Chromatography of carboxypeptidase A and B activity of cultured skin fibroblasts: relationship to cystic fibrosis. Butterworth J, et al. **Clin Chim Acta** 1980 Nov 20; 108(1):143-6

Intracellular and extracellular alpha-D-mannosidase activity of cultured skin fibroblasts: relationship to cystic fibrosis. Butterworth J. **Clin Chim Acta** 1980 Dec 22;108(3):347-53

Arginase activity in human fibroblast cultures. Konarska L, et al. **Clin Chim Acta** 1981;115(1):85-92

Acid deoxyribonuclease, acid phosphodiesterase and acid phosphatase of new born rat epidermis (skin): multiple forms and glycoprotein nature. Miyagawa T, et al. **Comp Biochem Physiol [C]** 1981;69C(1):39-43

Insulin stimulation of glycogen synthase in cultured human diploid fibroblasts. Hidaka H, et al. **Diabetes** 1980 Oct; 29(10):806-10

Insulin activates glycogen synthase in cultured human fibroblasts. Podskalny JM, et al. **Diabetes** 1980 Sep; 29(9):724-9

Drug metabolism in skin. Comparative activity of the mixed-function oxidases, epoxide hydratase, and glutathione S-transferase in liver and skin of the neonatal rat. Mukhtar H, et al. **Drug Metab Dispos** 1981 Jul-Aug; 9(4):311-4

Aryl hydrocarbon hydroxylase in pigeon skin and its possible relevance to monitoring air pollution. Mukhtar H, et al. **Ecotoxicol Environ Safety** 1981 Mar;5(1):97-105

Characteristics of gamma-glutamyltranspeptidase in cultured skin fibroblasts from normals and cystinotics. States B, et al. **Enzyme** 1981;26(3):156-64

The histochemical measurement of dehydrogenase reactions by scanning microdensitometry. Clark C. **Histochem J** 1980 Jul;12(4):485-7

The ultrastructural localisation of membrane-associated phosphatases in the integument of the earthworm Eisenia foetida. Richards KS. **Histochemistry** 1980;68(1):91-4

Effect of phorbol ester application and other mitogenic treatments on 3',5'-cyclic-nucleotide phosphodiesterase activity in mouse epidermis in vivo. Marks F, et al. **Hoppe Seylers Z Physiol Chem** 1980 Nov;361(11):1641-50

Purification & properties of guinea pig skin arginase. Farooqui JZ, et al. **Indian J Biochem Biophys** 1980 Apr; 17(2):122-6

A neutral proteinase isolated from goat skin. Sivaparvathi M, et al. **Indian J Biochem Biophys** 1980 Dec;17(6):482-4

Gamma glutamyl transpeptidase activity in the psoriatic skin. Hajini GH, et al. **Indian J Med Res** 1980 May;71:798-800

Collagen prolyl hydroxylase activation in dermal cell primary cultures. Counts DF, et al. **Int J Biochem** 1980;12(3):401-5

Enzymology, with applications to dermatology. Stevens CS, et al. **Int J Dermatol** 1980 Jul-Aug;19(6):295-309 (31 ref.)

Lactate dehydrogenase zymograms of skin biopsies in patients with leprosy. A preliminary report. Saoji AM, et al. **Int J Lepr** 1980 Dec;48(4):426-30

Properties of peptidylarginine deiminase from the epidermis of newborn rats. Fujisaki M, et al. **J Biochem (Tokyo)** 1981 Jan;89(1):257-63

Variation in steroid 5 alpha-reductase activity in cloned human skin fibroblasts. Shift in phenotypic expression from high to low activity upon subcloning. Griffin JE, et al. **J Biol Chem** 1981 Apr 25;256(8):3662-6

Purification and properties of a gelatin-specific neutral protease from human skin. Seltzer JL, et al. **J Biol Chem** 1981 May 10;256(9):4662-8

Decreased lysosomal dipeptidyl aminopeptidase I activity in cultured human skin fibroblasts in Duchenne's muscular dystrophy. Gelman BB, et al. **J Clin Invest** 1980 Jun; 65(6):1398-406

The effect of temperature on tyrosinase activity in Himalayan mouse skin. Kidson SH, et al. **J Exp Zool** 1981 Jan; 215(1):91-7

Immunofluorescent localization of cathepsins B and D in human fibroblasts. Mort JS, et al. **J Histochem Cytochem** 1981 May;29(5):649-57

Homocystinuria: studies on cystathionine beta-synthase, S-adenosylmethionine synthetase and cystathionase activities in skin fibroblasts. Bittles AH, et al. **J Inherited Metab Dis** 1981;4(1):3-6

Arylsulphatase B studies in skin fibroblasts from patients with Maroteaux--Lamy syndrome with special reference to electrophoretic mobility and prenatal diagnosis. Schwartz M, et al. **J Inherited Metab Dis** 1980;3(3):99-100

Inhibition of epidermal adenyl cyclase by lithium carbonate. DiGiovanna JJ, et al. **J Invest Dermatol** 1981 Apr; 76(4):259-63

Hamster flank organ hydrolase and lipase activity. Gulbenkian A, et al. **J Invest Dermatol** 1980 Oct; 75(4):289-92

Ornithine decarboxylase in skin. Lesiewicz J, et al. **J Invest Dermatol** 1980 Sep;75(3):207-10

Ornithine decarboxylase in rat skin: 2. Differential response to hair plucking and a tumor promoter. Lesiewicz J, et al. **J Invest Dermatol** 1980 Nov;75(5):411-6

Prolyl and lysyl hydroxylase activities of human skin fibroblasts: effect of donor age and ascorbate. Murad S, et al. **J Invest Dermatol** 1980 Nov;75(5):404-7

Effects of cholera toxin on ornithine decarboxylase activity in mouse skin. Murray AW, et al. **J Invest Dermatol** 1980 Dec;75(6):508-11

Tyrosine aminotransferase activity in skin [letter] Thorpe JM, et al. **J Invest Dermatol** 1980 Oct;75(4):371-2

Levels of gamma-glutamyltranspeptidase in cultured skin fibroblasts from cystinotics and normals. States B, et al. **Life Sci** 1980 Nov 24;27(21):1985-90

Defect in soluble tyrosine aminotransferase in skin fibroblasts of a patient with tyrosinemia. deGroot GW, et al. **Pediatr Res** 1980 Jul;14(7):896-8

Intracellular enzymes of collagen biosynthesis in human skin and serum as a function of age. Anttinen H. **Scand J Soc Med [Suppl]** 1977;Suppl 14:69-74 (12 ref.)

[Comparative study of normal and psoriatic skin using a micromethod for detection of enzymatic activity] Garidelli de Quincenet G, et al. **Ann Dermatol Venereol** 1980; 107(12):1163-70 (Eng. Abstr.) **(Fre)**

[The influence of a single glucocorticoid administration on the DNA and the nitrogen-content as well as on the beta-glucuronidase activity of rat skin during postnatal development (author's transl)] Schröder S, et al. **Arch Dermatol Res** 1980;269(2):161-8 (Eng. Abstr.) **(Ger)**

[Collagenolytic enzymes of the skin in chronic polyarthritis - transformations during D-penicillamin therapy] Kolarz G, et al. **Z Rheumatol** 1981 Jan-Feb;40(1):37-9 (Eng. Abstr.) **(Ger)**

[Studies on hyaluronic acid synthetase in rat skin (author's transl)] Yamamoto Y. **Nippon Hifuka Gakkai Zasshi** 1980 Dec;90(14):1373-80 **(Jpn)**

[Comparative characteristics of the total activity and isoenzyme spectrum of malate dehydrogenase in the skin of healthy persons and patients with tinea pedis] Cherchenko SG, et al. **Vestn Dermatol Venerol** 1981 Mar; (3):35-7 (Eng. Abstr.) **(Rus)**

GROWTH & DEVELOPMENT

Adipocyte development in the rat hypodermis. Hausman GJ, et al. **Am J Anat** 1981 May;161(1):85-100

Histidine-rich protein in developing rat epidermis. Fukuyama K, et al. **Dev Biol** 1981 Jan 30;81(2):201-7

Absence of maturation of collagen crosslinks in fish skin? Cohen-Solal L, et al. **FEBS Lett** 1981 Jan 26;123(2):282-4

Growth and development of collagen fibrils in immature tissues from rat and sheep. Craig AS, et al. **Proc R Soc Lond [Biol]** 1981 May 7;212(1186):85-92

[Establishment of the proliferative activity of cells in the epidermis during its postnatal development: the problem of chalones] Ketlinskii SA. **Dokl Akad Nauk SSSR** 1981; 258(2):477-9 **(Rus)**

IMMUNOLOGY

Direct immunofluorescent findings in scleroderma syndromes. Connolly SM, et al. **Acta Derm Venereol (Stockh)** 1981;61(1):29-36

Mixed form of dermatitis herpetiformis and bullous pemphigoid. Falk ES, et al. **Acta Derm Venereol (Stockh)** 1980;60(3):229-34

Immunofluorescence study in purpura pigmentosa chronica. Iwatsuki K, et al. **Acta Derm Venereol (Stockh)** 1980; 60(4):341-5

Lack of correlation between skin reactivity and T lymphocytes and monocytes in Hodgkin's disease. Müftüoğlu AU, et al. **Acta Haematol (Basel)** 1980; 63(5):286-8

Demonstration of immunoglobulin G in normal human epidermis by peroxidase-labeled antibody. Yamada M, et al. **Acta Med Okayama** 1980 Mar;34(2):123-6

Effect of terbutaline on cutaneous responses in man to rechallenge with allergen and compound 48/80. Grönneberg R, et al. **Allergy** 1981 Jan;36(1):33-8

Effect in man of anti-allergic drugs on the immediate and late phase cutaneous allergic reactions induced by anti-IgE. Grönneberg R, et al. **Allergy** 1981 Apr;36(3):201-8

The T-lymphocyte, the mucinous epithelial interstitium, and immunostimulation. Reed RJ. **Am J Dermatopathol** 1981 Summer;3(2):207-14

Delayed cutaneous hypersensitivity ad peripheral blood lymphocyte counts in gastrointestinal cancer. Gupta S, et al. **Ann Acad Med Singapore** 1980 Jan;9(1):71-6

Cutaneous responses to tests with influenza vaccines. Buttar K, et al. **Ann Allergy** 1981 Apr;46(4):183-8

Tissue threshold changes during the first months of immunotherapy. Dantzler BS, et al. **Ann Allergy** 1980 Oct; 45(4):213-6

A comparative study of allergen extracts from cat fur, cat pelt and cat saliva. Guerin B, et al. **Ann Allergy** 1981 Mar; 46(3):127-31

Dog and cat allergens: urinary proteins or dander proteins? Hoffman DR. **Ann Allergy** 1980 Oct;45(4):205-6

A further study on the mechanism of deposition of plasma protein in psoriasis scales. Beutner EH, et al. **Arch Dermatol Res** 1981;270(2):217-21

Immunological characterization of fibrous protein isolated from human stratum corneum. Ogawa H, et al. **Arch Dermatol Res** 1980;268(1):71-8

Strain and sex dependent sensitivity to skin anaphylactic reactions in the mouse. Brzezińska-Błaszczyk E, et al. **Arch Immunol Ther Exp (Warsz)** 1980;28(6):869-72

Some aspects of cell-mediated hypersensitivity in patients with melanoma. Moszkowska G, et al. **Arch Immunol Ther Exp (Warsz)** 1980;28(4):655-60

Skin immunofluorescence in patients with systemic lupus erythematosus, SLE. Relationship between the immunohistochemical pattern and systemic activity. Ojeda-Durán S, et al. **Arch Invest Med (Mex)** 1980; 11(2):215-26 **(Eng, Spa)**

In vitro susceptibilities of normal human skin fibroblasts to oncoviruses, and the decreased susceptibility to HSV of fibroblasts from untreated Hodgkin's patients. Ebbesen P, et al. **Br J Cancer** 1981 Jun;43(6):856-63

Pr antigens in the skin: distinct localization linked to the stage and the type of keratinocyte differentiation. Saurat JH, et al. **Br J Dermatol** 1981 Jul;105(1):25-38

Short and long latency skin sensitizing antibody in passive cutaneous anaphylaxis in the monkey. Hutchcroft BJ, et al. **Clin Allergy** 1980 Sep;10(5):631-7

Epidermis and thymus. Similar antigenic properties in Hassall's corpuscle and subsets of keratinocytes. Didierjean L, et al. **Clin Exp Dermatol** 1980 Dec;5(4):395-404

The immunofluorescence staining of fungi in chronic dermatophyte infections. Hay RJ, et al. **Clin Exp Dermatol** 1981 Mar;6(2):155-8

Immunization trials with virus-free antigens against Marek's disease. Lešnik F, et al. **Comp Immunol Microbiol Infect Dis** 1980;3(4):491-500

A method for eliciting indurated DTH reactions to soluble protein antigens in the flank skin of mice: correlation of visual measurements with 125I-UdR uptake indices. Brummer E, et al. **Int Arch Allergy Appl Immunol** 1981; 64(3):266-76

Induction of late cutaneous reactions by skin-blister fluid from allergen-tested and normal skin. Dorsch W, et al. **J Allergy Clin Immunol** 1981 Feb;67(2):117-23

A comparison of the actions of H1 and H2 antihistamines on histamine-induced bronchoconstriction and cutaneous wheal response in asthmatic patients. Nathan RA, et al. **J Allergy Clin Immunol** 1981 Mar;67(3):171-7

The biologic activity of mast cell granules in rat skin: effects of adrenocorticosteroids on late-phase inflammatory responses induced by mast cell granules. Oertel H, et al. **J Allergy Clin Immunol** 1981 Sep;68(3):238-45

In situ demonstration of OKT 6-positive cells in cutaneous lymphoid infiltrates. McMillan EM, et al. **J Am Acad Dermatol** 1981 Sep;5(3):274-9

Studies in cutaneous immunofluorescence. I. The effect of storage time on direct immunofluorescence of skin biopsies from bullous disease and lupus erythematosus. Mackie RM, et al. **J Cutan Pathol** 1980 Aug;7(4):236-43

Epidermal proliferation of nude mouse skin, pig skin, and pig skin grafts. Failure of nude mouse skin to respond to the tumor promoter 12-O-tetradecanoyl phorbol 13-acetate. Krueger GG, et al. **J Exp Med** 1980 Nov 1; 152(5):1329-39

Antibodies to basal cells [letter] Ablin RJ, et al. **J Invest Dermatol** 1981 Jun;76(6):523

Skin explant cultures: expression of cytoplasmic differentiation antigens in outgrowth cells. Didierjean L, et al. **J Invest Dermatol** 1981 Jan;76(1):38-41

Pemphigoid antibody mediated attachment of peripheral blood leukocytes at the dermal-epidermal junction of human skin. Gammon WR, et al. **J Invest Dermatol** 1980 Oct;75(4):334-9

Leukocyte chemotaxis to the dermal-epidermal junction of human skin mediated by pemphigoid antibody and complement: mechanism of cell attachment in the in vitro leukocyte attachment method. Gammon WR, et al. **J Invest Dermatol** 1981 Jun;76(6):514-22

Some biochemical properties of pemphigoid antigen bound to the surface of dissociated epidermal basal cells. Grekin PM, et al. **J Invest Dermatol** 1981 Mar;76(3):190-2

Normal and psoriatic human skin grafts on 'nude' mice: morphological and immunochemical studies. Haftek M, et al. **J Invest Dermatol** 1981 Jan;76(1):48-52

Immunofluorescence mapping of antigenic determinants within the dermal-epidermal junction in the mechanobullous diseases. Hintner H, et al. **J Invest Dermatol** 1981 Feb;76(2):113-8

Analysis of immunological responses in psoriatic lesions: (1) immunopathological studies on psoriatic lesions. Kaneko F, et al. **J Invest Dermatol** 1980 Nov;75(5):436-9

Suppression of contact sensitivity by IgG1 antihapten antibody in contact-sensitized guinea pigs. Katayama I, et al. **J Invest Dermatol** 1981 Mar;76(3):197-201

Effects of hyaluronidase and neuraminidase on immunoreactivity histidine-rich protein in newborn rat epidermis. Kimura H, et al. **J Invest Dermatol** 1981 Jun; 76(6):452-8

Photoimmunology. Morison WL. **J Invest Dermatol** 1981 Jul; 77(1):71-6

In vitro DNA synthesis in lymphocytes from guinea pigs epicutaneously sensitized with DNCB. Polak L, et al. **J Invest Dermatol** 1981 Feb;76(2):133-6

Alterations in antigenic properties of normal epidermis adjacent to basal cell carcinomas. Wolf D, et al. **J Invest Dermatol** 1981 Jun;76(6):442-4

Cutaneous responses to antigens and irritants in patients of leprosy. Kumar B, et al. **Lepr India** 1980 Jul;52(3):405-10

Characterization of allergens from urine and pelts of laboratory mice. Schumacher MJ. **Mol Immunol** 1980 Sep; 17(9):1087-95

Skin reactivity to dinitrochlorobenzene in cancer patients. Jassem J, et al. **Neoplasma** 1980;27(5):589–93

Investigation of the capacity of skin-specific alloantigens to elicit graft-versus-host reactions in the mouse. Fleming HL, et al. **Transplant Proc** 1981 Mar;13(1 Pt 2):1223–5

The role of polymorphonuclear leukocytes in delayed hypersensitivity skin reactions: suppressive effects of anti-polymorphonuclear leukocyte serum. Kambara T, et al. **Virchows Arch [Cell Pathol]** 1981;37(2):191–8

Identification of rabies virus antigen in the skin of foxes. Blenden DC, et al. **Zentralbl Veterinaermed [B]** 1980; 27(9–10):698–704

Cutaneous hypersensitivity in sheep injected with sheep pox virus soluble antigens. Sambyal DS, et al. **Zentralbl Veterinaermed [B]** 1980;27(7):544–8

[Delayed skin sensitivity in cattle against adenovirus antigen] Sizov I. **Vet Med Nauki** 1980;17(3):78–83 (Eng. Abstr.) **(Bul)**

[The significance of autoantibodies reacting with skin antigens] Faber WR, et al. **Ned Tijdschr Geneeskd** 1981 Jul 4;125(27):1070–4 (Eng. Abstr.) **(Dut)**

[Skin immunofluorescence in lepromatous leprosy] Wallach D, et al. **Acta Leprol (Geneve)** 1979 Sep–Dec; (76–77):149–59 **(Fre)**

[Immunofluorescence study of skin biopsies of healthy skin in bacterial endocarditis] Godeau P, et al. **Rev Med Interne** 1981;2(1):29–32 **(Fre)**

[Changes in cutaneous anergy in sarcoidosis] Vercellino A, et al. **Arch Sci Med (Torino)** 1980 Oct–Dec;137(4):701–4 **(Ita)**

[Experimental studies on the skin sensitization by Sudan I and brilliant lake red R (author's transl)] Kurata M. **Nippon Hifuka Gakkai Zasshi** 1980;90(6):503–9 **(Jpn)**

[Clinical significance of the lupus band test in systemic lupus erythematosus (author's transl)] Yasue T. **Nippon Hifuka Gakkai Zasshi** 1980 Sep;90(10):901–7 **(Jpn)**

[Antigenic and allergenic properties of various atypical Mycobacteria and Mycobacterium avium. II. Skin reactions to homologous and heterologous PPD preparations in artificially sensitized guinea pigs] Skwarek P, et al. **Pol Arch Weter** 1979;22(1):19–27 (Eng. Abstr.) **(Pol)**

[Immunofluorescence studies on the earliest psoriatic changes – spontaneous pre-pinpoint papules] Jabłońska S, et al. **Przegl Dermatol** 1980;67(6):709–13 (Eng. Abstr.) **(Pol)**

[Cross reactions and pseudo-cross reactions among thirams] Rudzki E, et al. **Przegl Dermatol** 1980 Jul–Aug;67(4):433–8 (Eng. Abstr.) **(Pol)**

[Cross-reacting antigen common to cells of the basal layer of monolayer epithelium and the polysaccharide of group A streptococci during embryogenesis] Beletskaia LV, et al. **Biull Eksp Biol Med** 1980 JUL;89(7):67–9 (Eng. Abstr.) **(Rus)**

[Isolation of high affinity antibodies to streptococcal group A polysaccharide reacting with thymus and cutaneous epithelial cells] Kolesnikova VIu, et al. **Biull Eksp Biol Med** 1980 Dec;90(12):708–10 (Eng. Abstr.) **(Rus)**

[Immunological determination of epidermal G2-chalone as a squamous cell marker in lung tumors in rats] Okulov VB, et al. **Biull Eksp Biol Med** 1980 Aug;90(8):248–9 (Eng. Abstr.) **(Rus)**

[Sensitizing action of suture materials] Tsybyrné KA, et al. **Klin Khir** 1981 Jan;(1):8–10 (Eng. Abstr.) **(Rus)**

[Intracutaneous reaction to phytohemagglutinin in lymphogranulomatosis after a radical program of irradiation] Shishkin IP. **Med Radiol (Mosk)** 1981 Apr; 26(4):8–10 (Eng. Abstr.) **(Rus)**

[Bound IgG, IgM, IgA and complement in the epidermis of the growth zone of skin tumors] Beletskaia LV, et al. **Vestn Dermatol Venerol** 1981 Jan;(1):13–6 (Eng. Abstr.) **(Rus)**

[Importance of lymphoid skin formations in immunogenesis] Frolov EP, et al. **Vestn Dermatol Venerol** 1981 Jan; (1):29–34 (63 ref.) **(Rus)**

[Role of the sympathetic and adrenal systems in reproducing immediate and delayed allergic skin reactions to bacterial antigen] Logunov VP, et al. **Vestn Dermatol Venerol** 1980 Sep;(9):4–6 (Eng. Abstr.) **(Rus)**

[Skin bactericidal functional dynamics in psoriasis depending on the state of natural body resistance] Rasskazov NI. **Vestn Dermatol Venerol** 1980 Oct;(10):9–12 (10 ref.) (Eng. Abstr.) **(Rus)**

INJURIES

Topical antibiotics and minor skin trauma. Leyden JJ, et al. **Am Fam Physician** 1981 Jan;23(1):121–5

Use of colchicine to inhibit wound contraction. Rudolph R, et al. **Am J Surg** 1981 Jun;141(6):712–7

Local anesthesia in minor lacerations: topical TAC vs lidocaine infiltration. Pryor GJ, et al. **Ann Emerg Med** 1980 Nov;9(11):568–71

Pluronic F-68: a promising new skin wound cleanser. Rodeheaver GT, et al. **Ann Emerg Med** 1980 Nov; 9(11):572–6

Comparative investigations of in vitro and in vivo scalding of mouse skin. Grzybowski J, et al. **Arch Immunol Ther Exp (Warsz)** 1980;28(2):253–64

Cactus thorn injuries to the extremities: their management and etiology. Karpman RR, et al. **Ariz Med** 1980 Dec; 37(12):849–51

Factitious urticaria: red dermographism. Warin RP. **Br J Dermatol** 1981 Mar;104(3):285–8

High-pressure water jet injury [letter] Calder IM, et al. **Br Med J** 1980 Jun 28;280(6231):1620

Survival enhanced by skin-wound trauma in mice exposed to 60Co radiation. Ledney GD, et al. **Experientia** 1981 Feb 15;37(2):193–4

Bite mark lesions in human skin. Jakobsen JR, et al. **Forensic Sci Int** 1981 Jul–Aug;18(1):41–55

Device and methods for the measurement of energy transfer in experiments involving thermal and electrical injuries of skin. Nielsen KG, et al. **Forensic Sci Int** 1981 May–Jun; 17(3):203–9

Early epidermal changes in heat- and electrically injured pig skin. I. A light microscopic study. Thomsen HK, et al. **Forensic Sci Int** 1981 Mar–Apr;17(2):133–43

Early epidermal changes in heat- and electrically injured pig skin. II. An electron microscopic study. Thomsen HK, et al. **Forensic Sci Int** 1981 Mar–Apr;17(2):145–52

Flap wounds of the shin. King MT. **Injury** 1981 Mar; 12(5):354–9

Pretibial flap wounds: early grafting under regional anaesthesia as an outpatient procedure. Ramnani SR, et al. **Injury** 1981 Mar;12(5):360–4

Cutaneous signs of child abuse. Raimer BG, et al. **J Am Acad Dermatol** 1981 Aug;5(2):203–14

Characteristics of silenced firearms and their wounding effects. Menzies RC, et al. **J Forensic Sci** 1981 Apr; 26(2):239–62

Tumor promotion by abrasion induced epidermal hyperplasia in the skin of mice. Argyris TS. **J Invest Dermatol** 1980 Oct;75(4):360–2

The kinetics of ornithine decarboxylase activity as a function of wounding in guinea pig ear epidermis. Bolton LL, et al. **J Invest Dermatol** 1981 Jun;76(6):480–3

Simple cactus spine removal [letter] Putnam MH. **J Pediatr** 1981 Feb;98(2):333

Response of plasma fibronectin to major body burn. Grossman JE, et al. **J Trauma** 1980 Nov;20(11):967–70

Profile of complement components in patients with severe burns. Sharma VK, et al. **J Trauma** 1980 Nov;20(11):976–8

Corticosteroids and skin tearing [letter] DeWind LT. **JAMA** 1980 Oct 10;244(15):1674–5

The making of a silk purse: a useful teaching device. Romm S, et al. **Plast Reconstr Surg** 1980 Oct;66(4):628–9

Trauma to the skin and subcutaneous tissues of dogs and cats. Swaim SF. **Vet Clin North Am [Small Anim Pract]** 1980 Aug; 10(3):599–618 (13 ref.)

[Our experience in the secondary treatment of severe skin loss, using classical means] Robbe M, et al. **Ann Chir Plast** 1981;26(2):151–3 (Eng. Abstr.) **(Fre)**

[Fixation of soft-tissue lesions with Thiersch's graft using cyanoacrylate tissue adhesive (author's transl)] Auer WP, et al. **Aktuel Traumatol** 1981 Feb;11(1):12–3 (Eng. Abstr.) **(Ger)**

[The influence of cold or death through freezing on early wound healing of skin lacerations] Bode G, et al. **Beitr Gerichtl Med** 1980;38:119–24 (Eng. Abstr.) **(Ger)**

[Acanthoma fissuratum cutis] Dorn M, et al. **Hautarzt** 1981 Mar;32(3):145–8 (Eng. Abstr.) **(Ger)**

[Immediate treatment of dirt tatoos] Grimm I. **Hautarzt** 1980 Jun;31(6):340 (Eng. Abstr.) **(Ger)**

[Skin lesions caused by monitoring measures in children] Töllner U. **Intensivmed Prax** 1980;(2):109–14 **(Ger)**

[Treatment of experimentally produced wounds by BIOPLAST (author's transl)] Ladányi J, et al. **Magy Traumatol Orthop Helyreallito Sebesz** 1980; 23(3):233–5 (Eng. Abstr.) **(Hun)**

[Treatment of extensive traumatic skin defects of the limbs] Czyrny S, et al. **Chir Narzadow Ruchu Ortop Pol** 1980; 45(3):218–23 (Eng. Abstr.) **(Pol)**

[Results of treatment of traumatic lesions of the fingertips] Faflik J. **Chir Narzadow Ruchu Ortop Pol** 1980;45(3):213–7 (Eng. Abstr.) **(Pol)**

['Glass hands' in workers producing incandescent lamps] Grzegoreczyk L, et al. **Przegl Dermatol** 1980 Sep–Oct; 67(5):627–30 (Eng. Abstr.) **(Pol)**

[External burns caused by a stream of hot phenol] Jonecko A. **Wiad Lek** 1981 Jan 15;34(2):145–8 (Eng. Abstr.) **(Pol)**

[Difficulty in the diagnosis of a case of self-inflicted skin injury] Santarius-Kaczur D, et al. **Wiad Lek** 1980 Sep 1; 33(17):1405–7 (Eng. Abstr.) **(Pol)**

[Healing of skin wounds in 16-day-old chick embryos normally and as affected by the immunodepressant cyclophosphane] Balakhonov AV. **Biol Nauki** 1981;(5):40–5 **(Rus)**

[Toxicity of burned skin high molecular weight protein according to the results of biological experiments in vivo and in vitro] Movshev BE, et al. **Biull Eksp Biol Med** 1980 Oct;90(10):422–5 (Eng. Abstr.) **(Rus)**

[Proton magnetic relaxation in studies of the development of burn pathology] Murza LI, et al. **Doki Akad Nauk SSSR** 1980;254(3):763–5 **(Rus)**

[Treatment results in traumatic detachment of the skin] Mikusev IE, et al. **Khirurgiia (Mosk)** 1981 Jun;(6):36–8 (Eng. Abstr.) **(Rus)**

[Experimental basis for using meturakol in treating deep burns and wounds of the skin] Sychenikov IA, et al. **Khirurgiia (Mosk)** 1981 May;(5):48–52 **(Rus)**

[Biological activity of a toxin isolated from burned skin] Fedorov NA, et al. **Patol Fiziol Eksp Ter** 1980 Sep–Oct; (5):45–51 (Eng. Abstr.) **(Rus)**

[Early prevention of infectious complications in the treatment of open fractures and extensive soft tissue injuries] Kliuchevskiĭ VV, et al. **Sov Med** 1980;(6):112–5 **(Rus)**

[Errors in the diagnosis and treatment of traumatic abrasions of the skin] Mikusev IE. **Vestn Khir** 1981 Apr;126(4):114–7 **(Rus)**

[Duodenal ulcer hemorrhage as a complication of extensive burns] Tsarev NI. **Vestn Khir** 1981 Jan;126(1):102–3 **(Rus)**

[Degeneration of traumatic etiology in the collagen of capybara (chiguire) skin (author's transl)] Campo-Aasen I. **Acta Cient Venez** 1979;30(1):89–92 (Eng. Abstr.) **(Spa)**

INNERVATION

Single unit recordings from afferent cutaneous nerve fibres in man. Järvilehto T, et al. **Act Nerv Super (Praha)** 1979 Jul;Suppl 2:323

Exteroceptive influence from trunk region on monosynaptic hind limb reflexes in the cat. Carlson H, et al. **Acta Physiol Scand** 1980 Oct;110(2):223–4

Of cardiac causalgia, Horner's syndrome, and the cardiac dermatome. Burch GE. **Am Heart J** 1980 Dec;100(6 Pt 1):938–9

Fine morphological characteristics and microtopography of the free nerve endings of the human digital skin. Cauna N. **Anat Rec** 1980 Dec;198(4):643–56

Abnormal cutaneous innervation in multiple endocrine neoplasia, type 2b. Carney JA, et al. **Ann Intern Med** 1981 Mar;94(3):362–3

Skin and conjunctival nerve biopsies in adrenoleukodystrophy and its variants. Martin JJ, et al. **Ann Neurol** 1980 Sep;8(3):291–5

Parameters of cutaneous nerve stimulation provoking a defensive reaction in the cat. Trouche E, et al. **Arch Ital Biol** 1980 Mar;118(1):33–50

Somatosensory-evoked potentials and perception of skin velocity. Johnson D, et al. **Arch Psychiatr Nervenkr** 1980; 228(2):95–100

Control of food handling by cutaneous receptor input in squirrels. Brenowitz GL. **Brain Behav Evol** 1980; 17(6):478–90

Cutaneous mechanoreceptor distribution and its relationship to behavioral specializations in squirrels. Brenowitz GL. **Brain Behav Evol** 1980;17(6):432–53

Localization of cutaneously elicited climbing fiber responses in lobule V of the monkey cerebellum. Robertson LT, et al. **Brain Behav Evol** 1981;18(3):157–68

Electron microscopic examination of skin and conjunctival biopsy specimens in neuronal storage diseases. Yamano T, et al. **Brain Dev** 1979;1(1):16–25

Contribution of joint and cutaneous afferents to longer-latency reflexes in man. Bawa P, et al. **Brain Res** 1981 Apr 27;211(1):185–9

Two pathways from the facial skin to the superior colliculus in the rat. Fujikado T, et al. **Brain Res** 1981 May 11; 212(1):131–5

Contralateral hindlimb responses to cutaneous stimulation during locomotion in high decerebrate cats. Gauthier L, et al. **Brain Res** 1981 Mar 2;207(2):303–20

Peripheral neural basis of tactile sensations in man: I. Effect of frequency and probe area on sensations elicited by single mechanical pulses on hairy and glabrous skin of the hand. Hämäläinen H, et al. **Brain Res** 1981 Aug 24;219(1):1–12

Locus coeruleus modulation of dorsal horn unit responses to cutaneous stimulation. Hodge CJ Jr, et al. **Brain Res** 1980 Jan 21;204(2):415–20

Peripheral neural basis of tactile sensations in man: II. Characteristics of human mechanoreceptors in the hairy skin and correlations of their activity with tactile sensations. Järvilehto T, et al. **Brain Res** 1981 Aug 24;219(1):13–27

Norepinephrine reduces excitability of single cutaneous primary afferent C-fibers in the cat spinal cord. Jeftinija S, et al. **Brain Res** 1981 Aug 31;219(2):456–63

Sensations evoked from the glabrous skin of the human hand by electrical stimulation of unitary mechanosensitive afferents. Vallbo AB. **Brain Res** 1981 Jun 29; 215(1–2):359–63

Differences in cutaneous sensory response properties of single somatosensory cortical neurons in awake and halothane anesthetized rats. Chapin JK, et al. **Brain Res Bull** 1981 Jan;6(1):63–70

Pressure neuropathy of the posterior femoral cutaneous nerve. Arnoldussen WJ, et al. **Clin Neurol Neurosurg** 1980; 82(1):57–60

Peripheral reinnervation patterns and dorsal root ganglion topography in skin-grafted frogs: a behavioral and histological examination. Baker RE, et al. **Dev Neurosci** 1981;4(2):134–41

Cutaneous and muscle afferent components of the cerebral potential evoked by electrical stimulation of human peripheral nerves. Burke D, et al. **Electroencephalogr Clin Neurophysiol** 1981 Jun; 51(6):579–88

Sensory experiences in man evoked by intraneural electrical stimulation of intact cutaneous afferent fibers. Konietzny F, et al. **Exp Brain Res** 1981;42(2):219–22

Cutaneous depression of Ib reflex pathways to motoneurones in man. Pierrot-Deseilligny E, et al. **Exp Brain Res** 1981; 42(3–4):351–61

Neurophysiological studies on patients with sutured median nerves: faulty sensory localization after nerve regeneration

and its physiological correlates. Hallin RG, et al. **Exp Neurol** 1981 Jul;73(1):90–106

Somatotopic organization of cat brachial spinal cord. Koerber HR. **Exp Neurol** 1980 Sep;69(3):481–92

Prostaglandin E2 increases mechanically evoked potentials in the peripheral nerve. Pateromichelakis S, et al. **Experientia** 1981 Mar 15;37(3):282–4

Correlation of some features of the internal structure of the medial cutaneous nerve of the forearm with age and body height and weight. Urbanowicz Z, et al. **Folia Morphol (Warsz)** 1981;39(3):293–302

Internal structure of the medial cutaneous nerve of the forearm in postfoetal life in man. Urbanowicz Z, et al. **Folia Morphol (Warsz)** 1980;39(2):159–70

Correlation of some elements of the internal structure of the lateral cutaneous nerve of the forearm with the age, body weight and height. Załuska S. **Folia Morphol (Warsz)** 1981; 39(3):303–12

Measurement of electrical resistance after nerve injuries of the hand. Egyed B, et al. **Hand** 1980 Oct;12(3):275–81

On vibration sense. Tsirul'nikov EM, et al. **Hum Physiol** 1980 May–Jun;6(3):211–4

Neurohistological studies in lichen planus and vitiligo. Saha KC, et al. **Indian J Dermatol** 1979 Jul;24(4):51–5

Cardiac rhythmicity of skin sympathetic activity recorded from peripheral nerves in man. Bini G, et al. **J Auton Nerv Syst** 1981 Jun;4(1):17–24

Effects of anaesthetics on reflexes elicited in the sudomotor system by stimulation of Pacinian corpuscles and of cutaneous nociceptors. Jänig W, et al. **J Auton Nerv Syst** 1980 May;2(1):1–14

Physiology and morphology of substantia gelatinosa neurons intracellularly stained with horseradish peroxidase. Bennett GJ, et al. **J Comp Neurol** 1980 Dec 15;194(4):809–27

Fine structure of myelinated mechanical nociceptor endings in cat hairy skin. Kruger L, et al. **J Comp Neurol** 1981 May 1;198(1):137–54

Representations of the body surface in postcentral parietal cortex of Macaca fascicularis. Nelson RJ, et al. **J Comp Neurol** 1980 Aug 15;192(4):611–43

Somatotopic organization of hindlimb cutaneous dorsal root projections to cat dorsal horn. Brown PB, et al. **J Neurophysiol** 1981 Jan;45(1):137–43

Descending inhibition from medial and lateral midbrain of spinal dorsal horn neuronal responses to noxious and nonnoxious cutaneous stimuli in the cat. Carstens E, et al. **J Neurophysiol** 1981 Jun;45(6):1029–42

Response of forelimb guard hair afferent units to air–jet stimulation of entire receptive field. Goldfinger MD, et al. **J Neurophysiol** 1980 Nov;44(5):961–78

Contributions by individual guard hairs and their interactions in response of forelimb guard hair afferent unit. Goldfinger MD, et al. **J Neurophysiol** 1980 Nov;44(5):979–1001

Interaction of activity in frog skin touch afferent units. Goldfinger MD, et al. **J Neurophysiol** 1981 Jun; 45(6):1096–1108

Patterns of responses of neurons in cuneate nucleus to controlled mechanical stimulation of cutaneous velocity receptors in the cat. Golovchinsky V. **J Neurophysiol** 1980 Jun;43(6):1673–99

Population of quickly adapting mechanoreceptive afferents innervating monkey glabrous skin: representation of two vibrating probes. Goodwin AW, et al. **J Neurophysiol** 1981 Feb;45(2):243–53

Single quickly adapting mechanoreceptive afferents innervating monkey glabrous skin: response to two vibrating probes. Goodwin AW, et al. **J Neurophysiol** 1981 Feb;45(2):227–42

Projections of two hindlimb cutaneous nerves to cat dorsal horn. Koerber HR, et al. **J Neurophysiol** 1980 Aug; 44(2):259–69

On– versus off–responses of raccoon glabrous skin rapidly adapting cutaneous mechanoreceptors. Pubols BH Jr. **J Neurophysiol** 1980 Jun;43(6):1558–70

Magnification, receptive–field area, and 'hypercolumn' size in areas 3b and 1 of somatosensory cortex in owl monkeys. Sur M, et al. **J Neurophysiol** 1980 Aug;44(2):295–311

A dorsal spinal neural network in cat. I. Responses to single impulses in single type I cutaneous input fibers. Tapper DN, et al. **J Neurophysiol** 1980 Dec;44(6):1190–1213

Reinnervation of glabrous skin in baboons: properties of cutaneous mechanoreceptors subsequent to nerve transection. Terzis JK, et al. **J Neurophysiol** 1980 Dec; 44(6):1214–25

Thermoregulatory and rhythm–generating mechanisms governing the sudomotor and vasoconstrictor outflow in human cutaneous nerves. Bini G, et al. **J Physiol (Lond)** 1980 Sep;306:537–52

Regional similarities and differences in thermoregulatory vaso– and sudomotor tone. Bini G, et al. **J Physiol (Lond)** 1980 Sep;306:553–65

Projections from Pacinian corpuscles and rapidly adapting mechanoreceptors of glabrous skin to the cat's spinal cord. Brown AG, et al. **J Physiol (Lond)** 1980 Oct;307:385–400

Sympathetic modulation of mechanoreceptor sensitivity in frog skin. Calof AL, et al. **J Physiol (Lond)** 1981 Jan; 310:481–99

Peripheral neural representation of spatial dimensions of a textured surface moving across the monkey's finger pad. Darian–Smith I, et al. **J Physiol (Lond)** 1980 Dec; 309:135–46

Peripheral neural representation of the spatial frequency of a grating moving across the monkey's finger pad. Darian–Smith I, et al. **J Physiol (Lond)** 1980 Dec; 309:117–33

Innervation density of mechanoreceptive fibres supplying glabrous skin of the monkey's index finger. Darian–Smith I, et al. **J Physiol (Lond)** 1980 Dec;309:147–55

Changes in the recruitment threshold of motor units produced by cutaneous stimulation in man. Garnett R, et al. **J Physiol (Lond)** 1981 Feb;311:463–73

Neural mechanisms of spatial tactile discrimination: neural patterns evoked by braille–like dot patterns in the monkey. Johnson KO, et al. **J Physiol (Lond)** 1981 Jan;310:117–44

The effect of profound cooling on adrenergic neurotransmission in canine cutaneous veins. Rusch NJ, et al. **J Physiol (Lond)** 1981 Feb;311:57–65

The effect of sympathetic nerve stimulation on responses of cutaneous pacinian corpuscles in the cat. Freeman B, et al. **Neurosci Lett** 1981 Mar 10;22(2):145–50

Neuronal responses to cutaneous electrical and noxious mechanical stimuli in the nucleus reticularis thalami of the rat. Peschanski M, et al. **Neurosci Lett** 1980 Nov; 20(2):165–70

Met–enkephalin–like immuno– and bioreactivity in extracts from skin containing Merkel cells. Weber U, et al. **Neurosci Lett** 1980 Nov;20(2):201–4

Spinal nerve distributions in the upper limb: the organization of the dermatome and afferent myotome. Dykes RW, et al. **Philos Trans R Soc Lond [Biol]** 1981 Aug 12; 293(1070):509–54

Domains and mechanosensory nerve fields in salamander skin. Macintyre L, et al. **Proc R Soc Lond [Biol]** 1981 Mar 27;211(1185):471–99

Merkel cells as targets of the mechanosensory nerves in salamander skin. Scott SA, et al. **Proc R Soc Lond [Biol]** 1981 Mar 27;211(1185):455–70

Competitive reinnervation of salamander skin by regenerating and intact mechanosensory nerves. Scott SA, et al. **Proc R Soc Lond [Biol]** 1981 Mar 27;211(1185):501–11

Possible mechanisms underlying the developmemt of central and peripheral cutaneous afferent connections (or, why I scratch my tummy when you tickle me on the back). Baker RE, et al. **Prog Brain Res** 1979;51:117–21

Physiological characteristics of low threshold mechanoreceptor afferent units innervating frog skin. Ogawa H, et al. **Q J Exp Physiol** 1981 Apr;66(2):105–16

Dermatomal somatosensory evoked potentials in children with myelomeningocele. Scarff TB, et al. **Z Kinderchir Grenzgeb** 1979 Dec;28(4):384–7

[Dorsal root potentials evoked by stimulation of cutaneous afferents in the spinal cat (study of the N3 wave)] Lonchampt P, et al. **C R Soc Biol (Paris)** 1981;175(2):164–8 (Eng. Abstr.) **(Fre)**

[Cutaneous and muscular unmyelinated afferent fibres. Clinical, histological and experimental study. Possible explanation of muscular cramps (author's transl)] Serratrice G, et al. **Sem Hop Paris** 1980 Nov 8–15;56(41–42):1665–70 (Eng. Abstr.) **(Fre)**

[Postnatal development of sensory nerve endings in the hairless nose skin of the cat] Halata Z. **Bibl Anat** 1981; (19):210–35 (Eng. Abstr.) **(Ger)**

[Tactile (Merkel) cells of the sinuous hairs of cats following colchicine application to nerves] Chelyshev IuA, et al. **Arkh Anat Gistol Embriol** 1980 Aug;79(8):39–48 (Eng. Abstr.) **(Rus)**

[Tactile cells (of Merkel)] Chelyshev IuA. **Arkh Anat Gistol Embriol** 1980 Sep;79(9):92–106 **(Rus)**

[Relation between the temperature of different skin layers and changes in the firing of cold cutaneous thermoreceptors] Konstantinov VA, et al. **Fiziol Zh SSSR** 1980 Dec;66(12):1785–91 (Eng. Abstr.) **(Rus)**

[Responses of caudate nucleus neurons to electrocutaneous stimulation of a paw] Mikhailov AV. **Fiziol Zh SSSR** 1980 Sep;66(9):1325–32 (Eng. Abstr.) **(Rus)**

[Temperature gradients in the skin and heat loss in various environmental temperatures] Slepchuk NA, et al. **Fiziol Zh SSSR** 1981 Mar;67(3):442–7 (Eng. Abstr.) **(Rus)**

[Neuronal activity of the frog medulla oblongata in response to chemical stimulation of gustatory and cutaneous chemoreceptors] Zharova LT, et al. **Fiziol Zh SSSR** 1981 Apr;67(4):533–41 (Eng. Abstr.) **(Rus)**

[Effect of rhythmic stimulation of the locus coeruleus on segmental reflex reactions evoked by stimulation of cutaneous and muscle afferents] Iakhnitsa IA, et al. **Neirofiziologiia** 1980;12(6):642–5 (Eng. Abstr.) **(Rus)**

[Spike discharges from skin receptors during cooling] Zeveke AV, et al. **Neirofiziologiia** 1980;12(4):405–12 (Eng. Abstr.) **(Rus)**

[Morphologic study of Wagner–Meissner corpuscles in the skin of the right index finger during ontogenetic development] Djordjević–Camba V, et al. **Srp Arh Celok Lek** 1980 Jan;108(1):21–6 (Eng. Abstr.) **(Sec)**

[Development of Wagner–Meissner corpuscles in the thenar and hypothenar skin] Unković N, et al. **Srp Arh Celok Lek** 1980 Feb;108(2):127–33 **(Sec)**

METABOLISM

Effect of sodium fluoride on collagen content in skin and lungs of growing rats. Dróżdż M, et al. **Acta Biol Med Ger** 1980;39(2–3):287–93

Studies on fibronectin in the skin: VI. Intra–epidermal depositions in vulgar psoriasis, lupus erythematosus, bullous pemphigoid and dermatitis herpetiformis. Fyrand O. **Acta Derm Venereol (Stockh)** 1980;60(5):393–8

An improved quantitative method for the study of fibrinolysis in the skin as exemplified in patients with leukocytoclastic vasculitis and erysipelas. Hammar H, et al. **Acta Derm Venereol (Stockh)** 1980;60(4):287–93

Effect of exercise on glycogen level in the skin of the rat. Pietrzyk K, et al. **Acta Physiol Pol** 1980;31(5):571–3

Sodium nitroprusside induced cGMP accumulation in isolated frog skin epithelium. Effect on cAMP, hydroosmotic and natriferic response to antidiuretic horomone. Johnsen AH, et al. **Acta Physiol Scand** 1980 Apr;108(4):373–9

Histogenesis of amyloid in the skin. Hashimoto K, et al. **Am J Dermatopathol** 1980 Summer;2(2):165–71

Alloxan action on glucose metabolism in cultured fibroblasts. I. Stimulation and inhibition of glucose utilization. Ishibashi F, et al. **Am J Physiol** 1981 Jun;240(6):E640–4

Persistence of protein, carbohydrate and was components of tubercle bacilli in dermal BCG lesions. Higuchi S, et al. **Am Rev Respir Dis** 1981 Apr;123(4 Pt 1):397–401

Transcutaneous oxygen monitoring during exercise stress testing. Schonfeld T, et al. **Am Rev Respir Dis** 1980 Mar; 121(3):457–62

The influence of retinoids on polyamine and DNA synthesis in mouse epidermis. Boutwell RK, et al. **Ann NY Acad Sci** 1981 Feb 27;359:275–80

Metabolites of retinol in cultured human dermal fibroblasts. Gindhart TD, et al. **Ann NY Acad Sci** 1981 Feb 27;359:393

Binding of retinoids to human fibroblast cell lines and their effects on cell growth. Lacroix A, et al. **Ann NY Acad Sci** 1981 Feb 27;359:405–6

Cellular and subcellular uptake of retinoic acid and its mediation by retinoic acid–binding protein. Sani BP, et al. **Ann NY Acad Sci** 1981 Feb 27;359:420–1

Modulation of glycosaminoglycan biosynthesis by retinoids. Shapiro SS, et al. **Ann NY Acad Sci** 1981 Feb 27;359:306–21

Suction skin blister, skin window, and skin chamber techniques to determine extravascular passage of cefotaxime in humans. Frongillo RF, et al. **Antimicrob Agents Chemother** 1981 Jan;19(1):22–8

Lipid metabolism in cultured cells: studies on lipoprotein–catalyzed reverse cholesterol transport in normal and homozygous familial hypercholesterolemic skin fibroblasts. Wu JD, et al. **Arch Biochem Biophys** 1980 Jul; 202(2):467–73

Water content of the horny layer and skin surface lipids. Gloor M, et al. **Arch Dermatol Res** 1980;268(2):221–3

Scheduled DNA–synthesis after SUP and oral PUVA–treatment of psoriasis. Pullmann H, et al. **Arch Dermatol Res** 1980;268(1):105–7

The role of calcium in in vitro release of eosinophil chemotactic factor of anaphylaxis (ECF–A) for guinea pig skin. Yamamoto S, et al. **Arch Dermatol Res** 1981; 270(3):371–4

Benzo(a)pyrene metabolism and metabolites binding to DNA in the presence of BHA. Sawicki J, et al. **Arch Geschwulstforsch** 1980;50(4):317–21

Leakage of plasma proteins onto the skin surface of sheep during the development of fleece–rot and body strike [letter] Watts JE, et al. **Aust Vet J** 1981 Feb;57(2):98–9

Direct measurement of specific binding of highly lipophilic phorbol diester to mouse epidermal membranes using cold acetone. Ashendel CL, et al. **Biochem Biophys Res Commun** 1981 Mar 31;99(2):543–9

The effects of interferon on epidermal growth factor action. Lin SL, et al. **Biochem Biophys Res Commun** 1980 Sep 16;96(1):168–74

Stimulated turnover of phosphatidylinositol and phosphatidate in normal and Duchenne–dystrophic human skin fibroblasts. Rounds PS, et al. **Biochem Biophys Res Commun** 1980 Dec 31;97(4):1384–90

Fibronectin and collagen of cultured skin fibroblasts in diabetes mellitus. Smith BD, et al. **Biochem Biophys Res Commun** 1981 May 15;100(1):275–82

Synthesis of glycosaminoglycans by human skin fibroblasts cultured on collagen gels. Gallagher JT, et al. **Biochem J** 1980 Aug 15;190(2):243–54

Effect of Li and of other ions on Na transport in epithelial cells of frog skin. Biber TU, et al. **Biochem Pharmacol** 1980 Aug 15;29(16):2265–8

Polyacrylamide–gel–electrophoretic analysis of cultured skin fibroblasts from patients with Duchenne muscular dystrophy. Burghes AH, et al. **Biochem Soc Trans** 1981 Feb;9(1):118–9

The effect of chloroquine on the intralysosomal accumulation of cystine in cystinotic and normal fibroblasts. Danpure CJ, et al. **Biochem Soc Trans** 1980 Oct;8(5):571

The effect of ionophore A23187 on protein degradation in cultured fibroblasts. Statham HE, et al. **Biochem Soc Trans** 1981 Feb;9(1):78

1,25–Dihydroxyvitamin D3 stimulated increase of 7,8–didehydrocholesterol levels in rat skin. Esvelt RP, et al. **Biochemistry** 1980 Dec 23;19(26):6158–61

Receptor binding of cholesterol–induced high–density lipoproteins containing predominantly apoprotein E to cultured fibroblasts with mutations at the low–density lipoprotein receptor locus. Innerarity TL, et al. **Biochemistry** 1980 Sep 2;19(18):4359–65

Bleomycin–induced synthesis of type I procollagen by human

lung and skin fibroblasts in culture. Clark JG, et al. **Biochim Biophys Acta** 1980 Aug 13;631(2):359–70

Human osteogenic sarcoma cells exhibit enhanced protein phosphorylation. Epstein J, et al. **Biochim Biophys Acta** 1981 Aug 5;676(1):68–76

Accumulation of weak bases in relation to intralysosomal pH in cultured human skin fibroblasts. Hollemans M, et al. **Biochim Biophys Acta** 1981 Apr 22;643(1):140–51

The effect of increased tissue turnover on the keratinization of human epidermis. Hunter I, et al. **Biochim Biophys Acta** 1981 Apr 17;674(1):155–9

The dermis is required for the synthesis of extracellular glycosaminoglycans in cultured pig epidermis. King IA, et al. **Biochim Biophys Acta** 1980 Oct 1;632(2):234–43

Characterization of epidermal glycosaminoglycans synthesized in organ culture. King IAU. **Biochim Biophys Acta** 1981 Apr 17;674(1):87–95

Time course of pump inhibition by ouabain in amphibian epithelia. Nagel W. **Biochim Biophys Acta** 1980 July; 599(2):736–40

Triacylglycerol metabolism and triacylglycerol lipase activities of cultured human skin fibroblasts. Oram JF, et al. **Biochim Biophys Acta** 1980 Aug 11;619(2):214–27

Collagen biosynthesis by human skin fibroblasts. II. Isolation and further characterization of type I and type III procollagens synthesized in culture. Uitto J, et al. **Biochim Biophys Acta** 1980 Aug 21;624(2):545–61

Purification of guinea-pig plasma prekallikrein. Activation by prekallikrein activator derived from guinea-pig skin. Yamamoto T, et al. **Biochim Biophys Acta** 1980 Aug 7; 614(2):511–25

Network thermodynamic approach compartmental analysis. Na+ transients in frog skin. Mikulecky DC, et al. **Biophys J** 1979 Jan;25(1):87–105

Transepidermal chloride flux through hydrated skin: combination chloride electrode. Anjo DM, et al. **Br J Dermatol** 1981 Jul;105(1):39–44

Acquired ichthyosis and impaired dermal lipogenesis in Hodgkin's disease. Cooper MF, et al. **Br J Dermatol** 1980 Jun;102(6):689–93

The current status of histamine receptors in human skin: therapeutic implications. Davies MG, et al. **Br J Dermatol** 1981 May;104(5):601–6

Diffusion of oxygen through the mouse ear. Evans NT, et al. **Br J Dermatol** 1981 Jul;105(1):45–56

Calcification of cultured urticaria pigmentosa skin. An electron optical study of the calcium–apatite deposition. Hentzer B, et al. **Br J Dermatol** 1980 Jun;102(6):675–85

Petrolatum: interference with the oxidation of arachidonic acid. Penneys NS, et al. **Br J Dermatol** 1980 Sep; 103(3):257–62

Studies on the plasma membrane of normal and psoriatic keratinocytes. 3. Uptake of labelled sugars and their incorporation into glycoconjugates. Roelfzema H, et al. **Br J Dermatol** 1981 Jun;104(6):635–40

Folic acid degradation is not a property specific to cancer cells in culture. Clynes MM, et al. **Cancer Lett** 1980 Aug; 10(2):133–40

Tumor promoter-induced inhibition of epidermal growth factor binding to cultured mouse primary epidermal cells. Lockyer JM, et al. **Cancer Res** 1981 Jun;41(6):2308–14

Permeability studies on animal membrane/carbohydrate systems. Shabd R, et al. **Carbohydr Res** 1981 Jul 16; 94(1):83–90

Mutagenicity of benzo[a]pyrene 7,8-dihydrodiol and 7,12-dimethylbenz[a]anthracene 3,4-dihydrodiol in S. typhimurium mediated by microsomes from rat liver and mouse skin. Camus AM, et al. **Chem Biol Interact** 1980 Nov;32(3):257–65

Diagnosis of Menkes' disease from 67Cu uptake by cultured cells [letter] Kirby LT, et al. **Clin Chem** 1981 Feb; 27(2):360–1

Effect of the flavonoid (+)cyanidanol-3 on procollagen biosynthesis and transport in normal and ataxia telangiectasis cultured skin fibroblasts. Becker Y, et al. **Connect Tissue Res** 1981;8(2):77–84

The synthesis of the cystine-rich proteins in rat epidermis: I. Analysis by [35S]cystine incorporation. Tezuka T, et al. **Curr Probl Dermatol** 1980;10:255–67

Effect of systemic erythromycin stearate on the inflammatory lesions and skin surface fatty acids in acne vulgaris. Bleeker J, et al. **Dermatologica** 1981;162(5):342–9

In vivo measurements of iron, copper and zinc in the skin of prurigo nodularis patients treated with thalidomide. Sheskin J, et al. **Dermatologica** 1981;162(2):86–90

Effects of insulin and insulin-like agents on the glucose transport system of cultured human fibroblasts. Berhanu P, et al. **Diabetes** 1981 Jun;30(6):523–9

Albumin deposition in dermal capillary basement membrane in insulin-dependent diabetes mellitus. A preliminary report. Chavers B, et al. **Diabetes** 1981 Apr;30(4):275–8

Insulin-stimulated glucose uptake, leucine incorporation into protein, and uridine incorporation into RNA in skin fibroblast cultures from patients with diabetes mellitus. Eckel RH, et al. **Diabetologia** 1981 Mar;20(3):186–9

The effect of glycyrrhetinic acid on the action of aldosterone in stimulating sodium transport in frog skin. Ishikawa S, et al. **Endocrinol Jpn** 1980 Dec;27(6):697–701

Solubilization and molecular weight estimation of prolactin receptors from Rana catesbeiana tadpole liver and tail fin. Carr FE, et al. **Endocrinology** 1981 Sep;109(3):943–9

Glucocorticoid receptors of mouse epidermis and dermis. Epstein EH Jr, et al. **Endocrinology** 1981 Feb;108(2):703–11

The effect of thyroid hormone on glycosaminoglycan accumulation in human skin fibroblasts. Smith TJ, et al. **Endocrinology** 1981 Jun;108(6):2397–9

Synthesis in vitro of keratin polypeptides directed by mRNA isolated from newborn and adult mouse epidermis. Schweizer J, et al. **Eur J Biochem** 1980 Nov;112(2):243–9

Stimulus-induced release of endogenous amino acids from skins containing the lateral-line organ in Xenopus laevis. Bledsoe SC Jr, et al. **Exp Brain Res** 1980;40(1):97–101

Immunoelectronmicroscopical investigations on the adsorptive endocytosis of low density lipoproteins by human fibroblasts. Vermeer BJ, et al. **Exp Cell Res** 1980 Sep;129(1):201–10

Collagen characteristics of skin and muscle of the ageing teleost, Ophiocephalus punctatus. Gantayat SC, et al. **Exp Gerontol** 1980;15(5):373–87

Radioautographic demonstration of dihydrotestosterone receptor in cultured human fibroblasts. Ozasa H, et al. **Experientia** 1980 Oct 15;36(10):1230–3

Autoradiographic study of catecholamine metabolism in amphibian dermis. Hadjioloff AI, et al. **Folia Morphol (Praha)** 1981;29(1):56–8

Active chloride transport by the skin of a marine teleost is stimulated by urotensin I and inhibited by urotensin II. Marshall WS, et al. **Gen Comp Endocrinol** 1981 Apr; 43(4):484–91

Cutaneous cholesterol and plasma lipoproteins in elderly active and bedridden patients compared with young adults. Bouissou H, et al. **Gerontology** 1981;27(1–2):94–9

A method of measuring the partial pressure of oxygen in the skin. Yas'kov EN, et al. **Hum Physiol** 1979 Nov–Dec; 5(5):847–9

Alterations of the incorporation of [3H]thymidine in cells in culture regulated by nucleoplasmic extract. Malan S, et al. **In Vitro** 1980 Dec;16(12):1092–8

Retention of human skin fibroblast fatty acid modifications during maintenance culture. Spector AA, et al. **In Vitro** 1980 Nov;16(11):932–40

In vitro effect of some chemicals on collagen characteristics of skin & muscle of the freshwater murrel Ophiocephalus punctatus Bloch. Gantayat SC, et al. **Indian J Exp Biol** 1980 Dec;18(12):1460–4

Depression of ascorbic acid by drug & hormones in white & black skins of guinea pig. Mondal M, et al. **Indian J Exp Biol** 1980 Dec;18(12):1499–501

Water and electrolyte in plasma, skin and skeletal muscles of young and growing guinea pigs. Khataniar HP. **Indian J Physiol Pharmacol** 1980 Jul–Sep;24(3):221–6

The present status of research in burn toxins. Kremer B, et al. **Intensive Care Med** 1981 Jan;7(2):77–87

Phospholipid involvement in psoriatic epidermis. Ansidei V, et al. **Ital J Biochem** 1981 Jan–Feb;30(1):40–5

Benzoyl peroxide: percutaneous penetration and metabolic disposition. Nacht S, et al. **J Am Acad Dermatol** 1981 Jan; 4(1):31–7

Transfer of oxygen, nitrogen, and carbon dioxide through normal adult human skin. Hansen TN, et al. **J Appl Physiol** 1980 Sep;49(3):438–43

Quantitative determination of urinary N-tau-methylhistidine output as an index of myofibrillar protein degradation. Nagasawa T, et al. **J Biochem (Tokyo)** 1981 Apr; 89(4):1155–61

Colchicine effect on the permeability of the whole epithelium and of isolated cells of frog skin. Svelto M, et al. **J Bioenerg Biomembr** 1979 Dec;11(5–6):103–12

Decrease of intracellular cystine content in cystinotic fibroblasts by inhibitors of gamma-glutamyl transpeptidase. Butler JD, et al. **J Biol Chem** 1981 May 10;256(9):4160–3

Studies on the rate of efflux of cholesterol from cultured human skin fibroblasts. Daniels RJ, et al. **J Biol Chem** 1981 May 25;256(10):4978–83

Receptor-dependent uptake of human chylomicron remnants by cultured skin fibroblasts. Florén CH, et al. **J Biol Chem** 1981 Jan 10;256(1):425–33

The effect of cell density on net rates of glycosaminoglycan synthesis and secretion by cultured rat fibroblasts. Hronowski L, et al. **J Biol Chem** 1980 Nov 10; 255(21):10091–9

Increased estrogen formation and aromatase activity in fibroblasts cultured from the skin of chickens with the Henny feathering trait. Leshin M, et al. **J Biol Chem** 1981 May 10;256(9):4341–4

The effects of subfractions of high density lipoprotein on cholesterol efflux from cultured fibroblasts. Regulation of low density lipoprotein receptor activity. Oram JF, et al. **J Biol Chem** 1981 Aug 25;256(16):8348–56

Fibroblastic cultures from the diabetic db/db mouse. Demonstration of decreased insulin receptors and impaired responses to insulin. Raizada MK, et al. **J Biol Chem** 1980 Oct 10;255(19):9149–55

Evidence for a structural mutation of procollagen type I in a patient with the Ehlers–Danlos syndrome type VII. Steinmann B, et al. **J Biol Chem** 1980 Sep 25; 255(18):8887–93

Cell–substrate contacts illuminated by total internal reflection fluorescence. Axelrod D. **J Cell Biol** 1981 Apr;89(1):141–5

Calcium transport and cellular distribution in quiescent and serum-stimulated primary cultures of bone cells and skin fibroblasts. Eilam Y, et al. **J Cell Physiol** 1981 Feb; 106(2):225–34

Fidelity of protein synthesis does not decline during aging of cultured human fibroblasts. Wojtyk RI, et al. **J Cell Physiol** 1980 May;103(2):299–303

Fibroblast defect in pseudohypoparathyroidism, type I: reduced activity of receptor–cyclase coupling protein. Bourne HR, et al. **J Clin Endocrinol Metab** 1981 Sep; 53(3):636–40

Aging and tissue androgens. Deslypere JP, et al. **J Clin Endocrinol Metab** 1981 Aug;53(2):430–4

Demonstration of 1,25-dihydroxyvitamin D3 receptors in human skin biopsies. Feldman D, et al. **J Clin Endocrinol Metab** 1980 Dec;51(6):1463–5

Androgen receptor in human skin cytosol. Mowszowicz I, et al. **J Clin Endocrinol Metab** 1981 Feb;52(2):338–44

Effects of age and diabetes mellitus on the solubility and nonenzymatic glucosylation of human skin collagen. Schnider SL, et al. **J Clin Invest** 1981 Jun;67(6):1630–5

Demonstration of estrogen receptors in the skin. Punnonen R, et al. **J Endocrinol Invest** 1980 Jul–Sep;3(3):217–21

Membrane water permeability alterations induced by pollutants. Celentano F, et al. **J Environ Sci Health [C]** 1979;13(4):301–14

Accumulation of protoporphyrin IX from delta-aminolevulinic acid in bovine skin fibroblasts with hereditary erythropoietic protoporphyria. A gene–dosage effect. Sassa S, et al. **J Exp Med** 1981 May 1; 153(5):1094–101

Relation of mitochondria-rich chloride cells to active chloride transport in the skin of a marine teleost. Marshall WS, et al. **J Exp Zool** 1980 Nov;214(2):147–56

Cationic selectivity and competition at the sodium entry site in frog skin. Benos DJ, et al. **J Gen Physiol** 1980 Aug; 76(2):233–47

Skin potential level: age and epidermal hydration effects. Garwood M, et al. **J Gerontol** 1981 Jan;36(1):7–13

Effects of glutaraldehyde and osmium tetroxide on newborn rat epidermal keratin. Tzeng S, et al. **J Histochem Cytochem** 1981 Mar;29(3):351–6

Homocystinuria: the effect of pyridoxine supplementation on cultured skin fibroblasts. Bittles AH, et al. **J Inherited Metab Dis** 1981;4(1):7–9

Complementation analysis in fibroblasts from eight patients with clinically different forms of citrullinaemia. Kennaway NG, et al. **J Inherited Metab Dis** 1981;4(1):23–5

Permeability of thermally damaged skin: I. Immediate influences of 60 degrees C scalding on hairless mouse skin. Behl CR, et al. **J Invest Dermatol** 1980 Oct;75(4):340–5

Excision repair of UV-induced pyrimidine dimers in human skin in vivo. D'Ambrosio SM, et al. **J Invest Dermatol** 1981 Sep;77(3):311–3

Variability in collagen and fibronectin synthesis by scleroderma fibroblasts in primary culture. Fleischmajer R, et al. **J Invest Dermatol** 1981 May;76(5):400–3

Procollagen I synthesis in human skin fibroblasts: effect on culture conditions on biosynthesis. Freiberger H, et al. **J Invest Dermatol** 1980 Nov;75(5):425–30

A new human photosensitive subject with a defect in the recovery of DNA synthesis after ultraviolet-light irradiation. Fujiwara Y, et al. **J Invest Dermatol** 1981 Sep; 77(3):256–63

The cutaneous photosynthesis of previtamin D3: a unique photoendocrine system. Holick MF. **J Invest Dermatol** 1981 Jul;77(1):51–8

Corticoids and human skin fibroblasts: intracellular specific binding in relation to growth inhibition. Ponec M, et al. **J Invest Dermatol** 1980 Oct;75(4):293–6

Corticoids and cultured human epidermal keratinocytes: specific intracellular binding and clinical efficacy. Ponec M, et al. **J Invest Dermatol** 1981 Mar;76(3):211–4

In vitro sorption of aluminum complex to guinea pig stratum corneum. Putterman GJ, et al. **J Invest Dermatol** 1981 Sep; 77(3):319–24

Basal lamina components in experimentally induced skin blisters. Saksela O, et al. **J Invest Dermatol** 1981 Sep; 77(3):283–6

Human skin fibroblasts in culture: procollagen synthesis in the presence of sera from normal human subjects and from patients with dermal fibroses. Tan EM, et al. **J Invest Dermatol** 1981 Jun;76(6):462–7

Binding of wheat gliadin in vitro to reticulum in normal and dermatitis herpetiformis skin. Unsworth DJ, et al. **J Invest Dermatol** 1981 Feb;76(2):88–93

Exchange of macromolecules between plasma and skin interstitium in extensive skin disease. Worm AM. **J Invest Dermatol** 1981 Jun;76(6):489–92

Metabolism of homologous and heterologous lipoproteins by cultured rat and human skin fibroblasts. Drevon CA, et al. **J Lipid Res** 1981 Jan;22(1):37–46

Polyunsaturated fatty acid accumulation in the lipids of cultured fibroblasts and smooth muscle cells. Gavino VC, et al. **J Lipid Res** 1981 Jan;22(1):57–62

Effects of chemical group specific reagents on sodium entry and the amiloride binding site in frog skin: evidence for separate sites. Benos DJ, et al. **J Membr Biol** 1980 Sep 30;56(2):149–58

Kinetics of ionic transport across frog skin: two concentration-dependent processes. Ehrenfeld J, et al. **J Membr Biol** 1980 Sep 30;56(2):139–47

Transcutaneous PO2 monitoring for assessing viability and predicting survival of skin flaps: experimental and clinical correlations. Serafin D, et al. **J Microsurg** 1981 Mar; 2(3):165–78

High-affinity [3H]choline accumulation in cultured human

skin fibroblasts. Riker DK, et al. **J Neurochem** 1981 Feb; 36(2):746–52

Effect of peptides of bovine myelin basic protein on dermal fibroblasts. Chiang TM, et al. **J Neurosci Res** 1980; 5(5):439–45

Permeation of hairless mouse skin II: membrane sectioning techniques and influence on alkanol permeabilities. Flynn GL, et al. **J Pharm Sci** 1981 Jan;70(1):52–6

Rheogenic sodium transport in a tight epithelium, the amphibian skin. Nagel W. **J Physiol (Lond)** 1980 May; 302:281–95

Cimetidine competition with androgens for binding to human sex skin fibroblasts androgen receptors. Sultan C, et al. **J Steroid Biochem** 1980 Jul;13(7):839–40

Penetration of rat skin by N-nitrosodiethanolamine and N-nitrosomorpholine. Lijinsky W, et al. **JNCI** 1981 Jan; 66(1):125–7

Effect of cadmium on active sodium transport by the abdominal skin and the isolated epidermis of the bullfrog: differences in effects between epidermal and dermal cadmium applications. Takada M, et al. **Jpn J Physiol** 1980; 30(2):257–69

Selectivity in incorporation, utilization and retention of oleic and linoleic acids by human skin fibroblasts. Rosenthal MD. **Lipids** 1980 Oct;15(10):838–48

Cell culture studies of a patient with congenital lipoatrophic diabetes--normal insulin binding with alterations in intracellular glucose metabolism and insulin action. Howard BV, et al. **Metabolism** 1981 Sep;30(9):845–52

Cultured human skin fibroblasts: a model for the study of androgen action. Brown TR, et al. **Mol Cell Biochem** 1981 Apr 13;36(1):3–22 (78 ref.)

Adenosine-induced alterations in the adenosine 3':5'-monophosphate levels in mammalian epidermis. Duell EA. **Mol Pharmacol** 1980 Jul;18(1):49–52

Transcutaneous oxygen tension of newborn infants in different behavioral states. Hanson N, et al. **Pediatr Res** 1980 Aug;14(8):911–5

Active transport of urea across the skin of the euryhaline toad, Bufo viridis. Katz U, et al. **Pfluegers Arch** 1981 Jun; 390(3):299–300

The osmotic behaviour of toad skin epithelium (Bufo viridis). an electron microprobe analysis. Rick R, et al. **Pfluegers Arch** 1980 MAY;385(1):1–10

Skin cholesterol in ageing rats and experimental atheroma. Bouissou H, et al. **Pharmacol Res Commun** 1981 Mar; 13(3):241–9

Enzymatic responses to skin flap elevation following a delay procedure. Hoopes JE, et al. **Plast Reconstr Surg** 1980 Sep; 66(3):369–72

Nuclear uptake of 1,25-dihydroxy[3H]cholecalciferol in dispersed fibroblasts cultured from normal human skin. Eil C, et al. **Proc Natl Acad Sci USA** 1981 Apr;78(4):2562–6

Regulation of collagen synthesis by ascorbic acid. Murad S, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):2879–82

Characterization of a receptor-like protein for 1,25-dihydroxyvitamin D3 in rat skin. Simpson RU, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):5822–6

The relative importance of skin oxygen uptake in the naturally buried plaice, Pleuronectes platessa, exposed to graded hypoxia. Steffensen JF, et al. **Respir Physiol** 1981 Jun;44(3):269–75

Photosynthesis of previtamin D3 in human skin and the physiologic consequences. Holick MF, et al. **Science** 1980 Oct 10;210(4466):203–5

A scanning micropipette molecule microscope. Jarrell JA, et al. **Science** 1981 Jan 16;211(4479):277–9

Effect of a semi-purified fraction of Crotalus atrox (Western diamondback rattlesnake) venom on chloride transport across the frog skin. Gerencser GA, et al. **Toxicon** 1980; 18(5-6):671–4

[Peroxidation of lipids in the inflammatory process] Fournier J, et al. **C R Acad Sci [D] (Paris)** 1980 Nov 3;291(9):753–5 (Eng. Abstr.) **(Fre)**

[Study of the correlation between transepidermal water loss and percutaneous penetration of steroid (author's transl)] Guillaume JC, et al. **Dermatologica** 1981;162(5):380–90 (Eng. Abstr.) **(Fre)**

[Effects of probucol on skin cholesterol concentrations in patients with type II hyperlipoproteineamia (author's transl)] Beaumont JL, et al. **Nouv Presse Med** 1980 Oct 30;9(40):2995–3000 (Eng. Abstr.) **(Fre)**

[Influence of oral retinoid on the cell kinetic of normal human epidermis (author's transl)] Gillenberg A, et al. **Arch Dermatol Res** 1980;269(3):331–5 **(Ger)**

[Surface skin lipids in atopic dermatitis (author's transl)] Jakobza D, et al. **Dermatol Monatsschr** 1981 Jan;167(1):26–9 (Eng. Abstr.) **(Ger)**

[Surface skin lipids in acne vulgaris (author's transl)] Jakobza D, et al. **Dermatol Monatsschr** 1981 Feb;167(2):104–7 (Eng. Abstr.) **(Ger)**

[PUVA therapy: decrease of the 8-methoxypsoralen level following local administration] Meffert H, et al. **Dermatol Monatsschr** 1980 Aug;166(8):566–7 **(Ger)**

[Mucin accumulation in the dermis and REM syndrome] Steigleder GK, et al. **Hautarzt** 1980 Nov;31(11):575–83 (Eng. Abstr.) **(Ger)**

[Transepidermal water loss in preterm and newborn infants (author's transl)] Stornowski C, et al. **Monatsschr Kinderheilkd** 1981 Apr;129(4):239–44 (Eng. Abstr.) **(Ger)**

[Active transport of chloride across skin isolated from Rana esculenta] Pesente L, et al. **Boll Soc Ital Biol Sper** 1979 Apr 30;55(8):722–6 (Eng. Abstr.) **(Ita)**

[Role of cGMP in the response of frog skin to noradrenaline] Svelto M, et al. **Boll Soc Ital Biol Sper** 1980 Apr 15; 56(7):631–5 (Eng. Abstr.) **(Ita)**

[The histochemical distribution of protein-bound sulfhydryl groups and disulfide bonds in human skin--especially three mobilities in dermis and cutaneous appendages (author's transl)] Taneda A. **Nippon Hifuka Gakkai Zasshi** 1980 Jul; 90(8):665–75 **(Jpn)**

[Preliminary observations on the time of recurrence of skin surface acidity after washing with soap in patients with eczema during pathological changes and after their regression] Broniarczyk-Dyła G. **Med Pr** 1980;31(5):411–5 (Eng. Abstr.) **(Pol)**

[Blood and skin histamine and serotonin levels in rats following second degree burns] Nowik-Jurek M, et al. **Pol Tyg Lek** 1981 May 4;36(18):631–5 (Eng. Abstr.) **(Pol)**

[Ultrastructure of the dermis and skin fibroblast metabolism in rheumatism] Rassokhina II, et al. **Arkh Patol** 1980; 42(9):94–5 **(Rus)**

[Changes in the concentration of 3H-thymidine in the DNA of liver and skin cells after administration of syngeneic tissue extracts] Shadrin BP, et al. **Biull Eksp Biol Med** 1981 Feb;91(2):167–8 (Eng. Abstr.) **(Rus)**

[Blockade of the epithelial cell membrane sodium and chloride channels of frog skin] Lobanov NM, et al. **Dokl Akad Nauk SSSR** 1980;254(4):1015–6 **(Rus)**

[Oxidation reduction processes in skin with psoriasis] Golovchenko DIA. **Ukr Biokhim Zh** 1980 Sep-Oct; 52(5):604–6 (Eng. Abstr.) **(Rus)**

[Method of studying oxygen tension in the skin of patients with itching dermatoses by means of mathematical analysis] Gutkina AL, et al. **Vestn Dermatol Venerol** 1980 Dec; (12):33–5 (Eng. Abstr.) **(Rus)**

[Amino acid spectrum of the skin in eczema] Koliadenko VG, et al. **Vrach Delo** 1980 Dec;(12):105–7 **(Rus)**

[Free amino acids and peptides in the skin of guinea pigs in experimental contact toxic dermatitis (author's transl)] Antol M, et al. **Bratisl Lek Listy** 1981;76(1):45–51 (Eng. Abstr.) **(Slo)**

[Interaction of bivalent cations on the sodium channel of Bufo arenarum Hensel skin] Grin JJ, et al. **Acta Physiol Lat Am** 1978;28(2-3):97–108 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Age incidence of Pityrosporum orbiculare on human skin. Faergemann J, et al. **Acta Derm Venereol (Stockh)** 1980; 60(6):531–3

The effect of short-term occlusion on the cutaneous flora in atopic dermatitis and psoriasis. Rajka G, et al. **Acta Derm Venereol (Stockh)** 1981;61(2):150–3

The incise drape--boon or hazard: an experimental study. Beck WC, et al. **Am Surg** 1981 Aug;47(8):343–6

Bacteriologic comparison between epidural and caudal techniques. Abouleish E, et al. **Anesthesiology** 1980 Dec; 53(6):511–14

Direct-current bactericidal effect on intact skin. Bolton L, et al. **Antimicrob Agents Chemother** 1980 Jul;18(1):137–41

New medium for isolating propionibacteria and its application to assay of normal flora of human facial skin. Kishishita M, et al. **Appl Environ Microbiol** 1980 Dec;40(6):1100–5

Correlation of Propionibacterium acnes populations with the presence of triglycerides on nonhuman skin. Webster GF, et al. **Appl Environ Microbiol** 1981 May;41(5):1269–70

Nodular scleroderma and pleomorphic acid-fast bacteria. Cantwell AR Jr, et al. **Arch Dermatol** 1980 Nov; 116(11):1283–90

Qualitative and quantitative investigations on the resident bacterial skin flora in healthy persons and in the non-affected skin of patients with seborrheic Eczema. Höffler U, et al. **Arch Dermatol Res** 1980;268(3):297–312

Reduction of bacterial skin flora during oral treatment of severe acne with 13-cis retinoic acid. Weissmann A, et al. **Arch Dermatol Res** 1981;270(2):179–83

Inhibition of herpesvirus multiplication in guinea pig skin by antiviral compounds. Alenius S. **Arch Virol** 1980; 65(2):149–56

An analysis of sebum excretion rate, bacterial population and the production rate of free fatty acids on human skin. Cove JH, et al. **Br J Dermatol** 1980 Oct;103(4):383–6

Interactions between antibiotic-producing and non-producing staphylococci in skin surface and sub-surface models. Noble WC, et al. **Br J Exp Pathol** 1980 Jun;61(3):339–43

Histologic observations of pleomorphic corynebacterium-like microorganisms in diabetic scleredema adultorum. Cantwell AR, et al. **Cutis** 1980 Dec; 26(6):575–83

Use of cystine, lactose, electrolyte-deficient medium for isolation and identification of bacteria and yeasts from the skin and ears of dogs. McKeever PJ, et al. **J Am Vet Med Assoc** 1981 Mar 1;178(5):489–93

The vitamin requirements of staphylococci isolated from human skin. Cove JH, et al. **J Appl Bacteriol** 1980 Aug; 49(1):29–37

Interactive growth of Staphylococcus aureus strains with a poultry skin microflora in a diffusion apparatus. Gibbs PA, et al. **J Appl Bacteriol** 1980 Apr;48(2):191–205

A note on scanning electron microscopic assessment of stomacher action on chicken skin. Thomas CJ, et al. **J Appl Bacteriol** 1980 Oct;49(2):339–44

Transfer of gentamicin resistance between coagulase-negative and coagulase-positive staphylococci on skin. Naidoo J, et al. **J Hyg (Lond)** 1981 Apr;86(2):183–7

The importance of soap selection for routine hand hygiene in hospital. Ojajärvi J. **J Hyg (Lond)** 1981 Jun;86(3):275–83

Antibiotic levels in infected and sterile subcutaneous abscesses in mice. Joiner KA, et al. **J Infect Dis** 1981 Mar; 143(3):487–94

The bacterial flora of the antecubital fossa: the efficacy of alcohol disinfection of this site, the palm and the forehead. Evans CA, et al. **J Invest Dermatol** 1980 Aug;75(2):140–3

Experimental infections with group A streptococci in humans. Leyden JJ, et al. **J Invest Dermatol** 1980 Aug; 75(2):196–201

The pathogenicity of Bacteroides fragilis and related species estimated by intracutaneous infection in the guinea-pig. Maskell JP. **J Med Microbiol** 1981 Feb;14(1):131–40

Antagonism within populations of micro-organisms from normal human skin. Wright P, et al. **J Med Microbiol** 1981 Aug;14(3):271–8

Daily dressing change effects on skin flora beneath subclavian catheter dressings during total parenteral nutrition. Jarrard MM, et al. **JPEN** 1980 Jul-Aug;4(4):391–2

Contact with intact skin as a common mode of transmission of leprosy [editorial] Dharmendra. **Lepr India** 1980 Oct; 52(4):472–4

A bacteriological and histopathological study of apparently normal skin in lepromatous leprosy. Katoch VM, et al. **Lepr India** 1980 Oct;52(4):508–12

Choice of skin slit smears for study of bacterial and morphological indices. Kaur S, et al. **Lepr India** 1980 Oct; 52(4):540–7

Skin adnexa in leprosy and their role in the dissemination of M. leprae. Kotteeswaran G, et al. **Lepr India** 1980 Oct; 52(4):475–81

Choice of sites for study of slit skin smears. Kaur S, et al. **Lepr Rev** 1981 Mar;52(1):27–33

Persistence of herpes simplex virus (HSV) infection in ganglia and peripheral tissues of guinea pigs. Scriba M. **Med Microbiol Immunol (Berl)** 1981;169(2):91–6

A rapid screening method for the detection of pathogenic fungi on the skin. Gip L. **Mykosen** 1981 Jan;24(1):17–26

Arthrosporogenesis in Trichophyton mentagrophytes on agar medium and in guinea pig skin. Weigl E, et al. **Mykosen** 1980 Sep;23(9):486–93

Microbiology and ecology of human skin. Selwyn S. **Practitioner** 1980 Oct;224(1348):1059–62

Rhinovirus inactivation by aqueous iodine in vitro and on skin. Carter CH, et al. **Proc Soc Exp Biol Med** 1980 Dec; 165(3):380–3

The survival of dermatophytes from tape strippings of skin. Knudsen EA. **Sabouraudia** 1980 Jun;18(2):145–8

Agents and techniques for disinfection of the skin. Kaul AF, et al. **Surg Gynecol Obstet** 1981 May;152(5):677–85 (98 ref.)

[Microbiological problems in balneology procedures in relation to the patients' age] Svorcová L. **Fysiatr Reumatol Vestn** 1980;58(6):364–72 (Eng. Abstr.) **(Cze)**

[Evaluation of normal aerobic skin flora (author's transl)] Crémieux A, et al. **Ann Microbiol (Paris)** 1980 Jul-Aug; 131B(1):59–68 (Eng. Abstr.) **(Fre)**

[Study of antimicrobial activity in vitro and in vivo of seven solutions aiming at skin antisepsis (author's transl)] Beignot-Devalmont M, et al. **Ann Pharm Fr** 1981 Jun; 39(2):147–53 (Eng. Abstr.) **(Fre)**

[The preparation of the operative site (author's transl)] Tanner F, et al. **Ther Umsch** 1981 Jun;38(6):497–502 (Eng. Abstr.) **(Fre)**

[Dermatophytes of the scalp and smooth skin in Sfax] Zahaf A, et al. **Tunis Med** 1979 Mar-Jun;57(2-3):147–50 (Eng. Abstr.) **(Fre)**

[Infections by anaerobic sporeless bacteria] Höhne C, et al. **Z Aerztl Fortbild (Jena)** 1979 Nov 15;73(22):1045–50 **(Ger)**

[Occurrence of fungi in the environment and in workers of 2 different institutions] Macura A, et al. **Med Dosw Mikrobiol** 1980;32(3):229–35 (Eng. Abstr.) **(Pol)**

[Bacterial and fungal flora of the skin in healthy subjects and psoriasis patients] Seneczko F, et al. **Przegl Dermatol** 1980;67(6):799–804 **(Pol)**

[Microbial pollution in the manufacture of roofing paper] Riabkova VA, et al. **Gig Tr Prof Zabol** 1980 Jul;(7):27–9 (Eng. Abstr.) **(Rus)**

[Isolation of the causative agent of tularemia from an inoculum from skin lesions in the ulcerobubonic form of the disease] Siaduk VF, et al. **Zh Mikrobiol Epidemiol Immunobiol** 1980 Jul;(7):96–8 (Eng. Abstr.) **(Rus)**

PARASITOLOGY

Ultrastructural analysis of the cellular response to Schistosoma mansoni. II. Inflammatory response in rodent skin. Bentley AG, et al. **Am J Trop Med Hyg** 1981 Jul; 30(4):815–24

Quantification of a cryopreservation technique for Onchocerca microfilariae in skin snips. Ham PJ, et al. **J Helminthol** 1981 Mar;55(1):59–61

The effect of drug treatment on the pattern of emergence of Onchocerca volvulus microfilariae from skin snips. Kale

OO. **J Helminthol** 1981 Jun;55(2):79–83

The distribution of microfilariae in the skin of Guatemalan onchocerciasis patients: an evaluation of diagnostic potentials. Kawabata M, et al. **J Helminthol** 1980 Sep; 54(3):183–90

Association between Pelodera strongyloides (Nematoda: Rhabditidae) and wood mice, Apodemus sylvaticus. Hominick WM, et al. **Parasitology** 1981 Aug;83(Pt 1):67–75

Metabolic changes associated with the migration of the schistosomulum of Schistosoma mansoni in the mammal host. Lawson JR, et al. **Parasitology** 1980 Oct;81(2):325–36

Scanning electron microscopy of the penetration of newborn mouse skin by Strongyloides ratti and Ancylostoma caninum larvae. Zaman V, et al.
Southeast Asian J Trop Med Public Health 1980 Jun; 11(2):212–9

Maintenance of infectivity of Trypanosoma congolense in vitro with explants of infected skin at 37 degrees C. Gray MA, et al. **Trans R Soc Trop Med Hyg** 1979;73(4):406–8

Onchocerciasis: ways of improving the reconstitution method for counting microfilariae in skin snips. Kale OO.
Trans R Soc Trop Med Hyg 1981;75(1):101–2

The skin snip and hypertrophic scar in onchocerciasis [letter] Kale OO. **Trans R Soc Trop Med Hyg** 1980;74(5):693

Quantitative aspects of the infection of Simulium ochraceum by Onchocerca volvulus: the relation of skin microfilarial density to vector infection. Campbell CC, et al.
Tropenmed Parasitol 1980 Dec;31(4):475–8

[Onchocerciasis confirmed by detection of the parasites in the skin and eyes] Mikhallova VA, et al.
Vestn Oftalmol 1980 Nov–Dec;(6):64–6 **(Rus)**

PATHOLOGY

Eosinophilic fascitis (Shulman syndrome) in a 13-year-old girl. Clemmensen OJ, et al.
Acta Derm Venereol (Stockh) 1980;60(3):271–4

Cutaneous crystal cholesterol emboli. Deschamps P, et al.
Acta Derm Venereol (Stockh) 1980;60(3):266–9

One case of confluent and reticulate papillomatosis (Gougerot-Carteaud). Faergemann J, et al.
Acta Derm Venereol (Stockh) 1980;60(3):269–71

A spontaneously healing collodion baby: a light and electron microscopical study. Frenk E.
Acta Derm Venereol (Stockh) 1981;61(2):168–71

Mixed connective tissue disease: a follow-up study of 12 patients with special reference to cold sensitivity and skin manifestations. Johansson EA, et al.
Acta Derm Venereol (Stockh) 1981;61(3):225–31

An unusual form of pemphigus vegetans. Matsubara M, et al. **Acta Derm Venereol (Stockh)** 1981;61(3):259–61

Some unusual findings in porokeratosis Mibelli. Neumann E. **Acta Derm Venereol (Stockh)** 1980;60(4):355–9

Acute diffuse scleroderma. Nunzi E, et al.
Acta Derm Venereol (Stockh) 1981;61(2):173–6

Morphologic dynamics of acne vulgaris. Plewig G.
Acta Derm Venereol [Suppl] (Stockh) 1980;Suppl 89:9–16

Sequelae to exposure of porcine skin to heat and electricity. Aalund O. **Acta Med Leg Soc (Liege)** 1980;30(1):33–41

An immunofluorescence study of the skin in diabetes mellitus. Wallach D, et al. **Acta Med Scand** 1981;209(5):417–9

Leucocyte mobilization to skin lesions. Wandall JH.
Acta Pathol Microbiol Scand [C] 1980 Oct;88C(5):255–61

The sequential cellular changes in the local skin reaction produced in goats by Glossina morsitans morsitans infected with Trypanosoma (Trypanozoon) brucei. Emery DL, et al. **Acta Trop (Basel)** 1980 Jun;37(2):137–49

The dynamics of the cellular reactions elicited in the skin of goats by Glossina morsitans morsitans infected with Trypanosoma (Nannomonas) congolense or T. (Duttonella) vivax. Emery DL, et al. **Acta Trop (Basel)** 1981 Mar; 38(1):15–28

Clinicopathological correlation of common skin lesions on sun-damaged skin. Jones RE Jr, et al. **Ala J Med Sci** 1981 Apr;18(2):142–7

Leprosy in the United States [letter] Frank WF.
Am Fam Physician 1981 Mar;23(3):23

Pemphigus and pemphigoid. Matsuoka LY.
Am Fam Physician 1981 Aug;24(2):113–5

Tricholemmoma. Ackerman AB, et al.
Am J Dermatopathol 1980 Fall;2(3):207–24

Photomicrographs [editorial] Ackerman AB.
Am J Dermatopathol 1980 Summer;2(2):99–100

Subtle clues to diagnosis by conventional microscopy. Marked compact hyperkeratosis as a sign of persistent rubbing. Ackerman AB. **Am J Dermatopathol** 1980 Summer;2(2):149–52

Lymphomatoid papulosis. A concept which encompasses more than one disease process. Brehmer-Andersson E.
Am J Dermatopathol 1981 Summer;3(2):169–74

Histologic forms resembling 'large bodies' in scleroderma and 'pseudoscleroderma'. Cantwell AR Jr.
Am J Dermatopathol 1980 Fall;2(3):273–6

Papular histiocytosis X. Eng AM. **Am J Dermatopathol** 1981 Summer;3(2):203–6

Hodgkin's disease with specific bullous lesions. Hanno R, et al. **Am J Dermatopathol** 1980 Winter;2(4):363–6

Tricholemmoma. To be or not to be? Headington JT.
Am J Dermatopathol 1980 Fall;2(3):225–6

Terminology and iconography of lupus erythematosus. A historical vignette. Holubar K. **Am J Dermatopathol** 1980 Fall;2(3):239–42

Tricheilema and tricheilemal lesions. Ioannides G.
Am J Dermatopathol 1980 Fall;2(3):235–6

Cutaneous lesions of lymphomatoid granulomatosis. Comparison with lymphomatoid papulosis. Kessler S, et al. **Am J Dermatopathol** 1981 Summer;3(2):115–27

Tale of the psorosperm [letter] King DF, et al.
Am J Dermatopathol 1980 Summer;2(2):189–91

Luna's technique. A beautiful stain for elastin. Kligman LH.
Am J Dermatopathol 1981 Summer;3(2):199–201

On making a histologic diagnosis. Are explicit criteria always necessary to make a correct histologic diagnosis? Lieblich LM. **Am J Dermatopathol** 1980 Winter;2(4):349–56

Nongranulomatous septic vasculitis due to miliary tuberculosis. A pitfall in diagnosis for the pathologist. Lipper S, et al. **Am J Dermatopathol** 1980 Spring;2(1):71–4

Follicular lymphomatoid papulosis. Pierard GE, et al.
Am J Dermatopathol 1980 Summer;2(2):173–80

Subtle clues to diagnosis by gross pathology. Superficial atrophy: Loss of papillary dermis and epidermis. Ragaz A, et al. **Am J Dermatopathol** 1980 Winter;2(4):337–44

Evolution, maturation, and regression of lesions of lichen planus. New observations and correlations of clinical and histologic findings. Ragaz A, et al.
Am J Dermatopathol 1981 Spring;3(1):5–25

Pemphigus-like lesions induced by D-penicillamine. Analysis of clinical, histopathological, and immunofluorescence features in 34 cases. Santa Cruz DJ, et al.
Am J Dermatopathol 1981 Spring;3(1):85–92

Lymphomatoid papulosis. A critical review and new findings. Weinman VF, et al. **Am J Dermatopathol** 1981 Summer; 3(2):129–63

Electron-probe microanalysis. Aid in the study of skin granulomas. Andres TL, et al. **Arch Dermatol** 1980 Nov; 116(11):1272–4

Pathology quiz case 2. Leukemia cutis. Baker S.
Arch Dermatol 1981 Apr;117(4):240–2

Cutaneous lesions in brucellosis. Berger TG, et al.
Arch Dermatol 1981 Jan;117(1):40–2

Generalized eruptive histiocytoma. A clinical, histologic, and ultrastructural study. Caputo R, et al. **Arch Dermatol** 1981 Apr;117(4):216–21

Subcutaneous fat necrosis of the newborn. A case report. Chen TH, et al. **Arch Dermatol** 1981 Jan;117(1):36–7

Clinicopathologic correlations in Alibert-type mycosis fungoides. Eng AM, et al. **Arch Dermatol** 1981 Jun; 117(6):332–7

Histiocytosis X. Fitzpatrick R, et al. **Arch Dermatol** 1981 May;117(5):253–7

Disseminated spiked hyperkeratosis. An unusual discrete nonfollicular keratinization disorder. Frenk E, et al.
Arch Dermatol 1981 Jul;117(7):412–4

Multiple fibrofolliculomas with trichodiscomas and acrochordons. Fujita WH, et al. **Arch Dermatol** 1981 Jan; 117(1):32–5

Erosive myiasis. Guillozet N. **Arch Dermatol** 1981 Jan; 117(1):59–60

A distinctive variant of pernio. Clinical and histopathologic study of nine cases. Herman EW, et al. **Arch Dermatol** 1981 Jan;117(1):26–8

Cutaneous manifestations of lymphomatoid granulomatosis. Report of 44 cases and a review of the literature. James WD, et al. **Arch Dermatol** 1981 Apr;117(4):196–202

Pemphigoid vegetans. Report of a case. Kuokkanen K, et al. **Arch Dermatol** 1981 Jan;117(1):56–7

Xeroradiographic observations in four patients with chronic renal disease and cutaneous gangrene. Lazorik FC, et al.
Arch Dermatol 1981 Jun;117(6):325–8

Lichen planus with plasma cell infiltrate. Lupton GP, et al.
Arch Dermatol 1981 Feb;117(2):124–5

An unusual wart-like skin lesion found in a renal allograft recipient. Lutzner M, et al. **Arch Dermatol** 1981 Jan; 117(1):43–6

Suppressor cell dysfunction and necrotizing lesions in a child. McGeady SJ, et al. **Arch Dermatol** 1981 Feb;117(2):93–8

Skin pigmentation secondary to minocycline therapy. McGrae JD Jr, et al. **Arch Dermatol** 1980 Nov; 116(11):1262–5

Cutaneous involvement in malignant histiocytosis. Case report and review of the literature. Marshall ME, et al.
Arch Dermatol 1981 May;117(5):278–81

Cutaneous involvement in Lennert's lymphoma. Roundtree JM, et al. **Arch Dermatol** 1980 Nov;116(11):1291–4

Extramedullary hemopoiesis of the skin. Sarma DP.
Arch Dermatol 1981 Jan;117(1):58–9

Pruritic folliculitis of pregnancy. Zoberman E, et al.
Arch Dermatol 1981 Jan;117(1):20–2

Allergic vasculitis. A histological and immunofluorescent study of lesional and non-lesional skin in relation to circulating immune complexes. Herrmann WA, et al.
Arch Dermatol Res 1980;269(2):179–87

Arteriovenous anastomoses in the dermal vasculature of the skin of Bos taurus cattle, and their relationship with resistance to the tick, Boophilus microplus. Schleger AV, et al. **Aust J Biol Sci** 1981;34(1):27–35

The skin changes in scleroderma (systemic sclerosis). Barnett AJ. **Australas J Dermatol** 1980 Dec;21(3):142–50

Disseminated primary cutaneous histoplasmosis. Soo-Hoo TS, et al. **Australas J Dermatol** 1980 Aug;21(2):105–7

The cytoskeleton in Chediak-Higashi syndrome fibroblasts. Ostlund RE Jr, et al. **Blood** 1980 Nov;56(5):806–11

Fine structure of post-mortal tissues transformations. Preliminary observations. Torre C, et al.
Boll Soc Ital Biol Sper 1979 Sep 30;55(18):1915–21

Ultrastructural aspects of electric burn in man. Torre C, et al. **Boll Soc Ital Biol Sper** 1980 May 15;56(9):905–11

Evaluation of staining methods of resin embedded cutaneous tissue sections of mycosis fungoides. Chu AC, et al.
Br J Dermatol 1980 Dec;103(6):607–13

The 'dry' non-eczematous skin associated with atopic eczema. Finlay AY, et al. **Br J Dermatol** 1980 Sep; 103(3):249–56

The Duhring chamber assay for corticosteroid atrophy. Frosch PJ, et al. **Br J Dermatol** 1981 Jan;104(1):57–65

T lymphocytes and mononuclear phagocytes in the skin infiltrate of systemic and discoid lupus erythematosus and Jessner's lymphocytic infiltrate. Konttinen YT, et al.
Br J Dermatol 1981 Feb;104(2):141–5

The kinetics of metaphase arrest in human psoriatic epidermis: an examination of optimal experimental conditions for determining the birth rate. Ralfs I, et al.
Br J Dermatol 1981 Mar;104(3):231–42

Pityriasis rubra pilaris: epidermal cell kinetics. Ralfs IG, et al. **Br J Dermatol** 1981 Mar;104(3):249–52

Idiopathic guttate hypomelanosis. Savall R, et al.
Br J Dermatol 1980 Dec;103(6):635–42

Huber's stain for resin embedded cutaneous tissue: a modification [letter] Van der Putte SC, et al.
Br J Dermatol 1981 Jun;104(6):721

Histological studies of the elimination of Leishmania enriettii from skin lesions in the guinea-pig. Monroy A, et al.
Br J Exp Pathol 1980 Dec;61(6):601–10

Skin biopsy [letter] Laing JE, et al. **Br Med J** 1980 Jul 26; 281(6235):306

The histology of the skin reaction associated with rabbit resistance to Rhipicephalus appendiculatus (Neumann) infestations. Rubaire-Akiiki CM, et al.
Bull Anim Health Prod Afr 1980 Mar;28(1):35–47

Sézary syndrome-an unusual case. Weinerman BH, et al.
Cancer 1981 Jun 15;47(12):2946–51

Lupus erythematosus panniculitis (Lupus profundus). Fergin PE, et al. **Clin Exp Dermatol** 1980 Jun;5(2):257–60

Histological changes observed in the skin of patients with mycosis fungoides receiving photochemotherapy. Mackie RM, et al. **Clin Exp Dermatol** 1980 Dec;5(4):405–13

Premalignant skin lesions. Pinkus H, et al.
Clin Plast Surg 1980 Jul;7(3):289–300

A study of potential skin atrophy following topical application of weak corticosteroids. Black MM, et al.
Curr Med Res Opin 1981;7(7):463–70

Elastosis perforans serpiginosa. Brachfeld JH, et al. **Cutis** 1980 Nov;26(5):503–5

Nodulocystic acne, chromosomal abnormality, and diabetes mellitus. Marr TJ, et al. **Cutis** 1981;27(1):87–8

Cutaneous Hodgkin's disease. Morman MR, et al. **Cutis** 1980 Nov;26(5):483–4, 491

The Nikolsky sign. Polifka M, et al. **Cutis** 1980 Nov; 26(5):521–5, 526

Multifocal eosinophilic granuloma of skin and bone. Thirteen year surveillance of a patient. Rodman OG, et al. **Cutis** 1980 Nov;26(5):487–8, 495–8

Effect of copper on Menkes' and normal cultured skin fibroblasts. Beratis NG, et al. **Dev Pharmacol Ther** 1980; 1(5):305–17

Local calcergy. A histological, histochemical and electronprobe X-ray analytical study. McClure J.
Experientia 1980 Sep 15;36(9):1102–3

The changing spectrum of disease, etiology, and diagnosis of mucormycosis. Marchevsky AM, et al. **Hum Pathol** 1980 Sep;11(5):457–64

The pathophysiology of neurofibromatosis. I. Resistance in vitro to 3-nitrotyrosine as an expression of the mutation. Riccardi VM, et al. **In Vitro** 1980 Aug;16(8):706–14

Chemical transformation of cultured human skin fibroblasts derived from individuals with hereditary adenomatosis of the colon and rectum. Rhim JS, et al. **Int J Cancer** 1980 Nov 15;26(5):565–9

Actinic reticuloid. Brody R, et al. **Int J Dermatol** 1981 Jun; 20(5):374–9

Hypomelanosis of Ito. Report of a case and review of the literature. Buzas JW, et al. **J Am Acad Dermatol** 1981 Feb; 4(2):195–204

Mibelli's porokeratosis of the face. A report of seven cases. Mehregan AH, et al. **J Am Acad Dermatol** 1980 Oct; 3(4):394–6

Cutaneous amyloidosis. A case report of the tumefactive variant and a review of the spectrum of clinical presentations. Ratz JL, et al. **J Am Acad Dermatol** 1981 Jan;4(1):21–6

Melanocytic nevi in neonates. Silvers DN, et al.
J Am Acad Dermatol 1981 Feb;4(2):166–75

The occurrence of eschars in Rocky Mountain spotted fever. Walker DH, et al. **J Am Acad Dermatol** 1981 May; 4(5):571–6

Vascular factors and the localization of varicella lesions. Wilkin JK, et al. **J Am Acad Dermatol** 1981 Jun;4(6):665–6

Bullous eruption due to ethchlorvynol. Brodin MB, et al.
J Cutan Pathol 1980 Oct;7(5):326–9

Cutaneous pathobiology mediated by chemotherapy. Franchimont C, et al. **J Cutan Pathol** 1980 Dec;7(6):387–93

Pagetoid reticulosis and solitary mycosis fungoides. Distinct clinicopathological entities. Jones RR, et al.
J Cutan Pathol 1981 Feb;8(1):40–51

Cutaneous manifestations in rats with advanced vitamin A deficiency. Klein-Szanto AJ, et al. **J Cutan Pathol** 1980 Aug;7(4):260–70

Inflammatory changes in verruca vulgaris. Kossard S, et al. **J Cutan Pathol** 1980 Aug;7(4):217–21

Granulomatous vasculitis of Wegener. Le T, et al. **J Cutan Pathol** 1981 Feb;8(1):34–9

Malignant melanoma with melanosis. Ultrastructural and histological studies. Rowden G, et al. **J Cutan Pathol** 1980 Jun;7(3):125–39

A quantitative study of melanocytes in Becker's nevus. Tate PR, et al. **J Cutan Pathol** 1980 Dec;7(6):404–9

Central pitting of molluscum contagiosum. Uehara M, et al. **J Cutan Pathol** 1980 Jun;7(3):149–53

Angiolymphoid hyperplasia with eosinophilia. A report of two cases. Baler GR. **J Dermatol Surg Oncol** 1981 Mar; 7(3):229–34

The many faces of metastases to the skin from cutaneous malignant melanomas. Beauerle J, et al. **J Dermatol Surg Oncol** 1981 Jul;7(7):558–61

Unusual appearances of cancers in the skin. Jackson R. **J Dermatol Surg Oncol** 1981 Feb;7(2):159–63

The M-plasty as a means of orienting a surgical specimen for the pathologist. Swanson NA, et al. **J Dermatol Surg Oncol** 1980 Sep;6(9):706–7

Ribosomal RNA synthesis throughout epidermal hyperplastic growth induced by abrasion or treatment with 12–0–tetradecanoyl–phorbol–13–acetate. Argyris TS. **J Invest Dermatol** 1981 May;76(5):388–93

Focal dermal hypoplasia: abnormal growth characteristics of skin fibroblasts in culture. Uitto J, et al. **J Invest Dermatol** 1980 Aug;75(2):170–5

CNS involvement in malignant atrophic papulosis (Kohlmeier–Degos disease): vasculopathy and coagulopathy. Dastur DK, et al. **J Neurol Neurosurg Psychiatry** 1981 Feb;44(2):156–60

Clinical and histological skin changes in chronic renal failure: evidence for a dialysis–resistant, transplant–responsive microangiopathy. Gilchrest BA, et al. **Lancet** 1980 Dec 13;2(8207):1271–5

Bouin's solution versus formalin fixation in cutaneous histopathology. Kwittken J. **Mt Sinai J Med (NY)** 1980 Nov–Dec;47(6):600–5

Disseminate sporotrichosis – report of a clinical case with mucocutaneous, osteo–articular, and ocular lesions. Castro RM, et al. **Mykosen** 1981 Feb;24(2):92–6

Histological study in Tinea capitis. Kamalam A, et al. **Mykosen** 1981 Jul;24(7):431–41

Whence the Sézary cell? [letter] Hsu SD. **N Engl J Med** 1980 Nov 13;303(20):1180–1

Joint contractures, waxy skin, and control of diabetes [editorial] Knowles HB Jr. **N Engl J Med** 1981 Jul 23; 305(4):217–9

Short communication: neurofibromatosis fibroblasts: slow growth and abnormal morphology. Zelkowitz M, et al. **Pediatr Res** 1981 Mar;15(3):290–3

The etiology of hypertrophic scar contracture: another view. Brody GS, et al. **Plast Reconstr Surg** 1981 May; 67(5):673–84

Atypical pseudoepitheliomatous hyperplasia and squamous cell carcinoma in chronic cutaneous sinuses and fistulas. Johnston WH, et al. **Plast Reconstr Surg** 1980 Sep; 66(3):395–400

Differential response of skin and muscle in the experimental production of pressure sores. Nola GT, et al. **Plast Reconstr Surg** 1980 Nov;66(5):728–33

Cutaneous and soft–tissue manifestations of sepsis due to gram–negative enteric bacilli. Musher DM. **Rev Infect Dis** 1980 Nov–Dec;2(6):854–66 (85 ref.)

Chédiak–Higashi syndrome in a 'Black' child. de Beer HA, et al. **S Afr Med J** 1981 Jul 18;60(3):108–12

Clinical course of cutaneous malignant melanoma related to histopathological criteria of primary tumour. Drzewiecki KT, et al. **Scand J Plast Reconstr Surg** 1980;14(3):229–34

The signs and symptoms of secondary syphilis. Chapel TA. **Sex Transm Dis** 1980 Oct–Dec;7(4):161–4

Ocular and periocular features of multicentric reticulohistiocytosis with paraproteinaemia. A report of two cases. Buckley CA, et al. **Trans Ophthalmol Soc NZ** 1981;33:143–6

A new skin biopsy technique in domestic animals. Abu–Samra MT. **Zentralbl Veterinaermed [A]** 1980; 27(7):600–3

[Differential diagnosis of some skin diseases with pathological intraepidermal heteromorphic cell clumps (author's transl)] Chen XT, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1980 Sep; 2(3):184–6 (Eng. Abstr.) **(Chi)**

[Perilymphatic skin atrophy after intramuscular depot glucocorticosteroid] Heide EH. **Ugeskr Laeger** 1980 Sep 8;142(37):2423–4 (Eng. Abstr.) **(Dan)**

[Dermatomyositis associated with lethal pulmonary fibrosis and cutaneous necrosis (author's transl)] Bonafé JL, et al. **Ann Dermatol Venereol** 1981;108(4):363–8 (Eng. Abstr.) **(Fre)**

[Cutaneous mastocytosis with secondary anetoderma and cicatricial alopecia associated with a valve disease] Thivolet J, et al. **Ann Dermatol Venereol** 1981;108(3):269–75 **(Fre)**

[Mastocytosis evolving into anetoderma. Review of the literature (author's transl)] Thivolet J, et al. **Ann Dermatol Venereol** 1981;108(3):259–66 (63 ref.) (Eng. Abstr.) **(Fre)**

[Spindle–shaped cell leproma arising from perineurium, a link with Wade's histoïd leprosy, one case (author's transl)] Gaulier A. **Arch Anat Cytol Pathol** 1980;28(5):277–82 (Eng. Abstr.) **(Fre)**

[Morphology of skin reactions to BCG] Thiel M. **Pathologe** 1981 Mar;2(2):97–102 **(Ger)**

[Remarks on the article 'Decreased fibrinolytic activity in margins of decubitus ulcers' (letter)] Dettli L, et al. **Schweiz Med Wochenschr** 1980 Nov 15;110(46):1748–9 **(Ger)**

[White atrophy: skin infarction of various pathogeneses?] Bollinger A. **Vasa** 1981;10(1):67–9 (Eng. Abstr.) **(Ger)**

[Surgical treatment of skin changes in cutis laxa (author's transl)] Breitbart E, et al. **Z Hautkr** 1981 Jan 15;56(2):90–7 (Eng. Abstr.) **(Ger)**

[Skin infiltrates in subacute myelomonocytic leukemia] Manor Y, et al. **Harefuah** 1980 Mar 2;98(5):220–1 (Eng. Abstr.) **(Heb)**

[Anti–inflammatory and infection processes. Experimental observations and prospectives for pharmacological research] Silvestrini B, et al. **G Ital Chemioter** 1979 Jan–Dec;26(1–2):111–20 **(Ita)**

[A case of Werner's syndrome in which lowered activity of a platelet–dependent serum factor for cell growth and reduced growth potential of fibroblasts and epidermal cells were demonstrated (author's transl)] Aso K, et al. **Nippon Hifuka Gakkai Zasshi** 1980 Sep;90(10):929–34 **(Jpn)**

[Studies on the PUVA (psoralen plus UVA) therapy of psoriasis. II. Histological findings of the treated skin (author's transl)] Kumakiri M, et al. **Nippon Hifuka Gakkai Zasshi** 1980 Oct;90(11):1003–8 **(Jpn)**

[Transepithelial elimination in metastatic skin carcinoma (author's transl)] Oka K, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Jan;91(1):1–6 **(Jpn)**

[In vivo LE cell formation in the cutaneous lesion of systemic lupus erythematosus (author's transl)] Yoshie H, et al. **Nippon Hifuka Gakkai Zasshi** 1980 Jul;90(8):733–6 **(Jpn)**

[An adult case of monocytic leukemia with generalized skin lesions and swelling of testicles (author's transl)] Nishida M, et al. **Rinsho Ketsueki** 1980 Jul;21(7):1013–20 (Eng. Abstr.) **(Jpn)**

[Quantitative changes of the mast cells in the skin of the temporal region in Horton's headache] Liberski PP. **Patol Pol** 1980;31(3):425–8 (Eng. Abstr.) **(Pol)**

[Histochemical studies of the unchanged skin in patients with psoriasis] Chowaniec O, et al. **Przegl Dermatol** 1980 Jul–Aug;67(4):427–32 (Eng. Abstr.) **(Pol)**

[Studies on the histogenesis of psoriasis] Chowaniec O. **Przegl Dermatol** 1980 Sep–Oct;67(5):659–61 **(Pol)**

[Histological changes in chemexfoliation of the skin (chemical peeling)] Serson Neto D, et al. **Rev Paul Med** 1980 May–Jun;95(5–6):89–91 (Eng. Abstr.) **(Por)**

[Diabetic microangiopathy (based on the morphological study data from skin biopsies)] Saltykov BB. **Arkh Patol** 1981;43(3):42–7 (Eng. Abstr.) **(Rus)**

[Changes in the skin and internal organs of hamsters infected with various species of Leishmania] Kharitonova AM, et al. **Parazitologiia** 1981 Mar–Apr;15(2):105–12 (Eng. Abstr.) **(Rus)**

[Modifying effect of the blood serum of patients with psoriasis on the inhibitory activity of epidermal chalones] Dosychev EA, et al. **Vestn Dermatol Venerol** 1981 Mar; (3):18–20 (Eng. Abstr.) **(Rus)**

[Role of biopsy in the development of recurrence malignant tumors treated by laser coagulation] Moskalik KG, et al. **Vestn Khir** 1981 Jan;126(1):85–9 (Eng. Abstr.) **(Rus)**

[Pathological and histochemical study of soft tissue in gunshot wounds caused by high–energy projectiles] Milivojević V, et al. **Vojnosanit Pregl** 1981 Mar–Apr; 38(2):79–84 **(Scr)**

[Biomechanical and biochemical assessment of the skin in hypocupremia. An experimental study] Dapena MA, et al. **Actas Dermosifiliogr** 1980 Sep–Oct;71(9–10):363–8 (Eng. Abstr.) **(Spa)**

[Eosinophilic pustular folliculitis (Ofuji)] Toribio J, et al. **Actas Dermosifiliogr** 1980 Jul–Aug;71(7–8):309–12 (Eng. Abstr.) **(Spa)**

[Scleredema 'adultorum' (Buschke) (author's transl)] Vera Román JM, et al. **An Esp Pediatr** 1980 Aug;13(8):726–30 (Eng. Abstr.) **(Spa)**

[Polymorphous light eruption: aspects of special interest] Corrales Padilla H, et al. **Med Cutan Iber Lat Am** 1979; 7(4–6):81–91 (Eng. Abstr.) **(Spa)**

[Schoenlein–Henoch syndrome. Analysis of 36 clinical observations] Pacheco V, et al. **Rev Chil Pediatr** 1980 Sep–Oct;51(5):323–28 (Eng. Abstr.) **(Spa)**

PHYSIOLOGY

A reliable method for locating electropermeable points on the skin surface. Poon CS, et al. **Am J Chin Med** 1980 Autumn;8(3):283–9

Comparison of transcutaneous permeability in skins of larval and adult salamanders (Ambystoma tigrinum). Bentley PJ, et al. **Am J Physiol** 1980 Nov;239(5):R505–8

Localization and characterization of adrenergic receptors on frog skin melanophores. Longshore MA, et al. **Am J Physiol** 1981 Jul;241(1):E84–9

Cutaneous sensation 1980. Sinclair D. **Anaesth Intensive Care** 1981 May;9(2):163–73

Healing of port–wine stains after argon laser therapy. Finley JL, et al. **Arch Dermatol** 1981 Aug;117(8):486–9

Mechanical properties and Young's modulus of human skin in vivo. Agache PG, et al. **Arch Dermatol Res** 1980; 269(3):221–32

Influence of ageing on the in vivo extensibility of human skin at a low stress. Leveque JL, et al. **Arch Dermatol Res** 1980;269(2):127–35

Migration and keratinization of cells in wool follicles. Chapman RE, et al. **Aust J Biol Sci** 1980 Oct;33(5):587–603

Frequency dispersions of human skin dielectrics. Poon CS, et al. **Biophys J** 1981 Apr;34(1):135–47

In vitro basal lamina formation may require non–epidermal cell living substrate. Woodley D, et al. **Br J Dermatol** 1980 Oct;103(4):397–404

Finger wrinkling after immersion in water. Alvarez G, et al. **Br Med J** 1980 Aug 30;281(6240):586–7

Sensible heat transfer from the bowl: thermal resistance of the pelt. Wathes CM, et al. **Br Poult Sci** 1981 Mar; 22(2):175–83

Effect of the hypothalamic stimulation on the potential difference in the toad skin in situ. González CS, et al. **Cell Mol Biol** 1981;27(1):1–6

Evidence for a direct role of alpha–MSH in morphological background adaptation of the skin in Sarotherodon mossambicus. van Eys GJ, et al. **Cell Tissue Res** 1981; 217(2):361–72

Dependence of transcutaneous oxygen tension on local arteriovenous pressure gradient in normal subjects. Wyss CR, et al. **Clin Sci** 1981 May;60(5):499–506

The relationship between cell division and melanocyte differentiation in epidermal cultures from mouse embryos. Mayer TC. **Dev Biol** 1980 Oct;79(2):419–27

Dermal–epidermal interactions and the action of alleles at the agouti locus in the mouse. II. The viable yellow (Avy) and mottled agouti (am) alleles. Poole TW. **Dev Biol** 1980 Dec;80(2):495–500

Vitamin A potentiates the mitogenic effect of epidermal growth factor in cultures of normal adult human skin fibroblasts. Harper RA, et al. **Endocrinology** 1980 Dec; 107(6):2113–4

The maintenance of a differentiated state in cultured mouse epidermal cells. Miller DR, et al. **Exp Cell Res** 1980 Sep; 129(1):63–71

Heat evolution by human skin fibroblasts in monolayer culture. Schaarschmidt B, et al. **Exp Cell Res** 1981 Feb; 131(2):480–3

Changes in skin electroconductivity due to intake of low doses alcohol. Roglev M, et al. **Folia Med (Plovdiv)** 1980; 22(4):22–7

The human body surface potential due to excess charges. Makhnev VP, et al. **Hum Physiol** 1979 Nov–Dec;5(5):840–2

Method for measuring regional heat losses in man. Gin AR, et al. **J Appl Physiol** 1980 Sep;49(3):533–5

A method for the in situ measurement of the electrical quantities in frog skin. Bianchi G, et al. **J Biochem Biophys Methods** 1979 May;1(2):91–104

Morphogenetic properties of the skin in axolotl limb regeneration. Slack MJ. **J Embryol Exp Morphol** 1980 Aug; 58:265–88

Intracellular voltage of isolated epithelia of frog skin: apical and basolateral cell punctures. Fisher RS, et al. **J Gen Physiol** 1980 Oct;76(4):447–53

Directional variations of mechanical parameters in rat skin depending on maturation and age. Vogel HG. **J Invest Dermatol** 1981 Jun;76(6):493–7

Mechanisms for the effects of acetylcholine on sodium transport in frog skin. Cuthbert AW, et al. **J Membr Biol** 1981 Mar 15;59(1):65–75

Oscillation of the electric potential of frog skin under the effect of Li+: experimental approach. Lassalles JP, et al. **J Membr Biol** 1980 Sep 30;56(2):107–19

Electrophysiologic changes associated with potassium depletion of frog skin. Nagel W, et al. **J Membr Biol** 1980 Dec 30;57(3):235–41

Ba2+–induced conductance fluctuations of spontaneously fluctuating K+ channels in the apical membrane of frog skin (Rana temporaria). Van Driessche W, et al. **J Membr Biol** 1980 Aug 21;56(1):31–42

Discrimination of painful stimuli in human beings: influence of stimulation area. Chery–Croze S, et al. **J Neurophysiol** 1980 Jul;44(1):1–10

Re–evaluation of the 'contralateral' effects of sodium and potassium on sodium transport through toad skin. Isaacson LC. **J Physiol (Lond)** 1980 Aug;305:467–83

Monitoring the pathophysiological correlates of post–menopausal hot flushes. Silverman RW, et al. **Maturitas** 1981 Mar;3(1):39–46

Helium–neon laser screening of human body. Singh M. **Med Biol Eng Comput** 1981 Mar;19(2):175–8

Colloid osmotic pressure in interstitial fluid and lymph from rabbit subcutaneous tissue. Fadnes HO. **Microvasc Res** 1981 May;21(3):390–2

The skin and T–cell differentiation [letter] Rubenfeld MR, et al. **N Engl J Med** 1980 Nov 27;303(22):1304–5

Reciprocy and helicy used to relate mEGF and wound healing. Gill BP, et al. **Nurs Res** 1981 Mar–Apr;30(2):68–72

Transcutaneous electrical nerve stimulation: a microneurographic and perceptual study. Janko M, et al. **Pain** 1980 Oct;9(2):219–30

Ice massage and transcutaneous electrical stimulation: comparison of treatment for low–back pain. Melzack R, et al. **Pain** 1980 Oct;9(2):209–17

Evaluation of response time of a transcutaneous oxygen tension electrode. Abu–Osba YK, et al. **Pediatr Res** 1981 Feb;15(2):143–6

Comparison of biological and behavioral activities of alpha- and gamma-melanocyte stimulating hormones. O'Donohue TL, et al. **Peptides (Fayetteville)** 1981 Spring;2(1):101-4

Effect of methionine-enkephalin on xanthopore aggregation. Satake N. **Peptides (Fayetteville)** 1980 Spring;1(1):73-5

Tissue compliance in superficial tissues along body axis in man. Kirsch KA, et al. **Pfluegers Arch** 1980 Sep; 387(3):239-44

Apical K+ channels in frog skin (Rana temporaria): cation adsorption and voltage influence gating kinetics. Zeiske W, et al. **Pfluegers Arch** 1981 Apr;390(1):22-9

Prefrontal lesions and cutaneous responsiveness of cats: learned discrimination, delayed-response, orientation-localization, and transfer. Glassman RB, et al. **Physiol Behav** 1981 Jan;26(1):107-16

Effect of Mercurascan on sodium transport in frog skin and bladder. Bureš L, et al. **Physiol Bohemoslov** 1980; 29(6):569-75

Studies of the excisional wound: I. Biomechanical effects of undermining and wound orientation on closing tension and work. McGuire MF. **Plast Reconstr Surg** 1980 Sep; 66(3):419-27

Anchorage-independent growth of normal human fibroblasts. Peehl DM, et al. **Proc Natl Acad Sci USA** 1981 May;78(5):3053-7

Evidence for the presence of an endogenous inhibition of prolyl hydroxylase. Chichester CO, et al. **Res Commun Chem Pathol Pharmacol** 1980 Aug; 29(2):329-38

Acid-base balance and temperature in a predominantly skin-breathing salamander, Cryptobranchus alleganiensis. Moalli R, et al. **Respir Physiol** 1981 Jan;43(1):1-11

The presence of progesterone receptors in the sexual skin of the monkey. Kato J, et al. **Steroids** 1980 Dec;36(6):743-9

Developmental changes of the collagen in normal dermis and in wound healing. Bailey AJ. **Suppl Thromb Haemostas** 1978;63:385-8

A biomechanical study of healing rat skin incisions after delayed primary closure. Fogdestam I. **Surg Gynecol Obstet** 1981 Aug;153(2):191-9

Somatosensory evoked potentials elicited by mechanical and electrical stimulation of each single pain or tactile spot of the skin. Yamauchi N, et al. **Tohoku J Exp Med** 1981 Jan; 133(1):81-92

A crinotoxin from the skin tubercle glands of a stonefish (Synanceia trachynis). Cameron AM, et al. **Toxicon** 1981; 19(1):159-70

Ultrasonic characterization of aging in skin tissue. Bhagat PK, et al. **Ultrasound Med Biol** 1980;6(4):369-75

[New approaches in experimental dermatology] Prunieras M. **Pathol Biol (Paris)** 1980 Nov;28(9):561-5 **(Fre)**

[In vivo hydration measurement of the stratum corneum (author's transl)] Wienert V, et al. **Arch Dermatol Res** 1981; 270(1):67-75 **(Ger)**

[Regenerative activity of the intercalary tract in the cutaneous granular glands of the toad, Bombina variegata pachypus (Bonaparte) (Amphibia, Anura, Discoglossidae); experimental electron microscope studies] Delfino G. **Arch Ital Anat Embriol** 1980;85(3):283-310 (Eng. Abstr.) **(Ita)**

[Biofeedback of skin potential level for sleep control (author's transl)] Nishimura C, et al. **Iyodenshi To Seitai Kogaku** 1980 Sep;18(5):327-33 (Eng. Abstr.) **(Jpn)**

[Measurements of electric impedance in an area of skin wound healing in rats] Jaśkowski J, et al. **Pol Przegl Chir** 1980;52(10):887-90 (Eng. Abstr.) **(Pol)**

[Effect of an impulse alternating magnetic field on skin reactivity] Todorov N, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1980 Nov-Dec; (6):28-32 **(Rus)**

[Evaluation of the reflectometric method using the skin of the toad Bufo arenarum in vitro for the determination of plasma MSH] Iturriza FC, et al. **Acta Physiol Lat Am** 1978; 28(2-3):109-14 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Postoperative evaluation in plastic surgery using the bio-skin tension meter. Ohura T, et al. **Ann Plast Surg** 1980 Jul; 5(1):74-82

Electrodermal activity in depression: clinical and biochemical correlates. Mirkin AM, et al. **Br J Psychiatry** 1980 Jul; 137:93-7

Structure, histochemistry and effect of stress on the epidermis of Ophisurus serpens (L.) (Teleostei: Ophichthidae). Zaccone G. **Cell Mol Biol** 1980;26(6):663-74

Effect of adjuvant induced arthritis on the mechanical properties and thermal behavior of skin and tendon. Kuberasampath T, et al. **Connect Tissue Res** 1981; 8(2):93-100

A simple test for topographical diagnosis of sensory nervous system lesions. Jancsó G, et al. **Eur Neurol** 1981;20(2):84-7

Quantitation of phototoxic hyperemia and permeability to protein: II. Inhibition by histamine (H1 and H2) receptor antagonists in mouse skin. Argenbright LW, et al. **J Invest Dermatol** 1980 Nov;75(5):417-20

Technique for preparing appendage-free skin (scar) on hairless mouse. Behl CR, et al. **J Pharm Sci** 1981 Jul; 70(7):835-7

Skin turgor [letter] Carpenter CC. **Lancet** 1981 Mar 21; 1(8221):675

Skin turgor: do we understand the clinical sign? Dorrington KL. **Lancet** 1981 Jan 31;1(8214):264-6

Stress, verbal cognitive activity and bilateral electrodermal responses. de Bonis M, et al. **Neuropsychobiology** 1980; 6(5):249-59

The cells involved in the process of wound repair. Ross R. **Suppl Thromb Haemostas** 1978;63:337-46

[The menopause and the skin (author's transl)] Aron-Brunetière R. **Sem Hop Paris** 1980 Sep 18-25; 56(33-36):1368-73 (Eng. Abstr.) **(Fre)**

[Changes of skin electric potentials in rheumatoid arthritis] Venchikova LA. **Vrach Delo** 1981 Jan;(1):84-7 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

Skin wound-enhanced survival and myelocytopoiesis in mice after whole-body irradiation. Ledney GD, et al. **Acta Radiol Oncol Radiat Phys Biol** 1981;20(1):29-38

3H-thymidine autoradiography of guinea pig cornea and skin after exposure to solar simulating radiation. Brenner W, et al. **Albrecht Von Graefes Arch Klin Exp Ophthalmol** 1981; 216(4):319-25

Radiation injury in surgical pathology. Part III. Salivary glands, pancreas and skin. Fajardo LF, et al. **Am J Surg Pathol** 1981 Apr;5(3):279-96

The sensitivity of human skin to UV-A as a function of time oral administration of 8-MOP. van Weelden H, et al. **Arch Dermatol Res** 1980;268(3):315-7

Near-ultraviolet sensitivity of skin fibroblasts of patients with Bloom's syndrome. Zbinden I, et al. **Biochem Biophys Res Commun** 1981 Feb 12;98(3):579-87

Time course changes in levels of arachidonic acid and prostaglandins D2, E2, F2 alpha in human skin following ultraviolet B irradiation. Black AK, et al. **Br J Clin Pharmacol** 1980 Nov;10(5):453-7

Absorption of ultraviolet radiation by skin surface lipid. Beadle PC, et al. **Br J Dermatol** 1981 May;104(5):549-51

Further evidence for increased light sensitivity in patients with malignant melanoma. Beitner H, et al. **Br J Dermatol** 1981 Mar;104(3):289-94

A comparison of different treatment regimes on the visual appearance and mechanical properties of mouse skin. Spittle MF, et al. **Br J Radiol** 1980 Jul;53(631):697-702

Photoreactivation of ultraviolet radiation-induced pyrimidine dimers in neonatal BALB/c mouse skin. Ananthaswamy HN, et al. **Cancer Res** 1981 May; 41(5):1829-33

Effect of visible light on benzo(a)pyrene binding to DNA of cultured human skin epithelial cells. Camalier RF, et al. **Cancer Res** 1981 May;41(5):1789-93

Pyrimidine dimer formation and repair in human skin. Sutherland BM, et al. **Cancer Res** 1980 Sep;40(9):3181-5

Histochemical studies on keratin of developing scales of the garden lizard Calotes versicolor (Daud) & effect of gamma irradiation on keratin synthesis. Katdare M, et al. **Indian J Exp Biol** 1980 Sep;18(9):948-52

Radiosensitivity in cultured human fibroblasts. Cox R, et al. **Int J Radiat Biol** 1980 Nov;38(5):575-6

High dose-rate dependence of early skin reaction in mouse. Inada T, et al. **Int J Radiat Biol** 1980 Aug;38(2):139-45

The effect of anaesthesia on the radiosensitivity of rat intestine, foot skin and R-1 tumours. Kal HB, et al. **Int J Radiat Biol** 1980 Apr;37(4):447-50

Dose-dependent volume changes in X-irradiated keratinocytes. Lanfranchi H, et al. **Int J Radiat Biol** 1979 Dec;36(6):659-63

Studies on the radioprotective effects of superoxide dismutase in mice. Abe M, et al. **Int J Radiat Oncol Biol Phys** 1981 Feb;7(2):205-9

Critique of 'Dose-survival relationship for epithelial cells of human skin after multifraction irradiation: evaluation by a quantitative method in vivo' G. Arcangeli et al., Int. J. Radiat. Oncol. Biol. Phys. 6:841-844, 1980 [letter] Andrews JR. **Int J Radiat Oncol Biol Phys** 1981 Feb;7(2):292

Dose-survival relationship for epithelial cells of human skin after multifraction irradiation: evaluation by a quantitative method in vivo. Arcangeli G, et al. **Int J Radiat Oncol Biol Phys** 1980 Jul;6(7):841-4

Late effect in mouse skin following single and multifractionated irradiation. Masuda K, et al. **Int J Radiat Oncol Biol Phys** 1980 Nov;6(11):1539-44

Fractionation and dose-rate effects on the acute reaction of skin to low-intensity gamma rays. Morrison RA, et al. **Int J Radiat Oncol Biol Phys** 1980 Dec;6(12):1679-84

Effect of fractionated doses of pions on normal tissues: part I. mouse skin. Raju MR, et al. **Int J Radiat Oncol Biol Phys** 1980 Dec;6(12):1663-6

Radiosensitivity in vitro of human fibroblasts derived from patients with a severe skin reaction to radiation therapy. Smith KC, et al. **Int J Radiat Oncol Biol Phys** 1980 Nov; 6(11):1573-5

Suntan parlors: what you should know [news] **J Am Acad Dermatol** 1980 Dec;3(6):suppl 61A-62A

Can prenatal X-irradiation in mice act as an initiator stimulus in a modified 2-stage Berenblum/Mottram experiment with postnatal promotion with phorbol ester TPA? Schmahl W, et al. **J Cancer Res Clin Oncol** 1980;97(2):109-17

Changes in epidermal forward scattering absorption after UVA or UVA-UVB irradiation. Agin PP, et al. **J Invest Dermatol** 1981 Mar;76(3):174-7

The optics of human skin. Anderson RR, et al. **J Invest Dermatol** 1981 Jul;77(1):13-9

DNA damage in human skin fibroblasts exposed to UVA light used in clinical PUVA treatment. Bredberg A. **J Invest Dermatol** 1981 Jun;76(6):449-51

Cell cycle analysis of cultured mammalian cells after exposure to 4,5',8-trimethylpsoralen and long-wave ultraviolet light. Cohen SR, et al. **J Invest Dermatol** 1981 May;76(5):409-13

Comparative histological studies of the tunable dye (at 577 nm) laser and argon laser: the specific vascular effects of the dye laser. Greenwald J, et al. **J Invest Dermatol** 1981 Sep;77(3):305-10

A new apparatus with high radiation energy between 320-460 nm: physical description and dermatological applications. Mutzhas MF, et al. **J Invest Dermatol** 1981 Jan;76(1):42-7

Cumulative effects of repeated subthreshold doses of ultraviolet radiation. Parrish JA, et al. **J Invest Dermatol** 1981 May;76(5):356-8

New concepts in therapeutic photomedicine: photochemistry, optical targeting and the therapeutic window. Parrish JA. **J Invest Dermatol** 1981 Jul;77(1):45-50

The rapid induction of cancers in the hairless mouse utilizing the principle of photoaugmentation. Willis I, et al. **J Invest Dermatol** 1981 May;76(5):404-8

Suntanning centers. Kaminester LH. **JAMA** 1980 Sep 12; 244(11):1258-9

In vitro radiosensitivity in a patient with dermatomyositis and cancer [letter] Smith PJ, et al. **Lancet** 1981 Jan 24; 1(8213):216-7

Characterization of a p(66)Be(49) neutron therapy beam II: skin-sparing and dose transition effects. Awschalom M, et al. **Med Phys** 1981 Jan-Feb;8(1):105-7

The effect of chronic applications of tretinoin(retinoic acid) on acute responses of mammalian skin to UVB radiation in vivo. Epstein JH, et al. **Photochem Photobiol** 1981 Feb; 33(2):265-6

The effect of ultraviolet light on the cyclic nucleotide system of human fibroblasts. Fertel RH, et al. **Photochem Photobiol** 1981 Aug;34(2):275-8

Variations in the erythemal response of guinea-pig skin. Morison WL, et al. **Photochem Photobiol** 1981 Feb; 33(2):283-5

Solar dosimetry of the face: the relationship of natural ultraviolet radiation exposure to basal cell carcinoma localisation. Diffey BL, et al. **Phys Med Biol** 1979 Sep; 24(5):931-9

Computer calculation of the dose distribution in the electron build-up region. Galvin JM, et al. **Phys Med Biol** 1980 Sep;25(5):903-11

The induction and repair of DNA breaks in rat epidermis irradiated with electrons. Burns FJ, et al. **Radiat Res** 1981 Jul;87(1):137-44

Normal rejoining of DNA strand breaks in ataxia telangiectasia fibroblast lines after low x-ray exposure. Hariharan PV, et al. **Radiat Res** 1981 Jun;86(3):589-97

Explanation of dose-rate and split-dose effects on mouse foot reactions using the same time factor. Henkelman RM, et al. **Radiat Res** 1980 Nov;84(2):276-89

Radiation, adriamycin, and skin reactions: effects of radiation and drug fractionation, hyperthermia, and tetracycline. Redpath JL, et al. **Radiat Res** 1981 Jun;86(3):459-66

Routine skin dose calculation using a desk-top calculator. Chu WK, et al. **Radiol Technol** 1980 Jul-Aug;52(1):41-4

The response of rat hind limbs to X irradiation: a possible role for protein synthesis. Weissberg JB, et al. **Radiology** 1981 May;139(2):489-90

Regulation of cutaneous previtamin D3 photosynthesis in man: skin pigment is not an essential regulator. Holick MF, et al. **Science** 1981 Feb 6;211(4482):590-3

A photobiological evaluation of tanning booths. Nachtwey DS, et al. **Science** 1981 Jan 23;211(4480):405-7

Suntan salons and the American skin. Epstein JH. **South Med J** 1981 Jul;74(7):837-40

Contribution of electron contamination to the skin dose in teletherapy with Co-60 gamma-rays. Kulkarni RN. **Strahlentherapie** 1980;156(10):694-6

The ultrastructure of chronic radiation damage in rat skin. Rudolph R, et al. **Surg Gynecol Obstet** 1981 Feb; 152(2):171-8

The effect of local UVB skin irradiation on the rate of formazan deposition in the epidermis of hairless mice studied by means of a tetrazolium-reduction method. Fossâ J, et al. **Virchows Arch [Cell Pathol]** 1980;34(3):213-7

Dermal dysplasia, hypotrichosis, and dorsal skin ulcers in adult NMRI-mice after X-irradiation in utero. Schmahl W, et al. **Virchows Arch [Pathol Anat]** 1980;385(3):271-82

[Skin exposure with telecesium therapy using the radiotherapy instrument 'Cesioterax 3'] Voigtmann L, et al. **Radiobiol Radiother (Berl)** 1980 Oct;21(5):693-700 (Eng. Abstr.) **(Ger)**

[Reduction of radiation-induced early skin damage (mouse foot) by O-(beta-hydroxyethyl)-rutoside (author's transl)] Fritz-Niggli H, et al. **ROEFO** 1980 Sep;133(3):316-21 (Eng. Abstr.) **(Ger)**

[Reduced reaction of the skin by using a 0.1 mm polyethylene foil during the x-ray treatment of the human skin (author's transl)] Kirschner H, et al. **Strahlentherapie** 1981 May; 157(5):344-5 (Eng. Abstr.) **(Ger)**

[Changes in skin antigenic properties as affected by pulsed laser radiation] Moskalik KG, et al. **Patol Fiziol Eksp Ter** 1980 Sep-Oct;(5):51-4 (Eng. Abstr.) **(Rus)**

[Effect of whole-body external irradiation with krypton-85 beta particles combined with x-irradiation on the cutaneous integument of white rats during exposure to elevated environmental temperatures] Rappoport IA, et al.

Radiobiologiia 1980 Sep-Oct;20(5):790-3 (Eng. Abstr.) **(Rus)**

SURGERY

Closure of large central forehed defect by coronal incision and bilateral forehead and posterior scalp advancement. Blackburn WW 2d, et al. **Ann Plast Surg** 1980 Nov; 5(5):393-5

Value of healing by secondary intention seconded [letter] Goldwyn RM. **Ann Plast Surg** 1980 May;4(5):435

Biwinged excision for closure of rounded defect. Hirshowitz B, et al. **Ann Plast Surg** 1980 Nov;5(5):372-80

Improved scars in small excisions [letter] Hueston JT. **Ann Plast Surg** 1980 Aug;5(2):162

The management of lower extremity degloving injuries. Mandel MA. **Ann Plast Surg** 1981 Jan;6(1):1-5

How much lift in a facelift? Sokol AB, et al. **Ann Plast Surg** 1981 Mar;6(3):224-7

Sutureless skin closure [letter] Cavendish ME. **Ann R Coll Surg Engl** 1980 Sep;62(5):393

A guide to skin biopsies and excisions. Harrison PV. **Clin Exp Dermatol** 1980 Jun;5(2):235-43 (31 ref.)

An effective method of skin traction in A-K guillotine amputation. Serletti JC. **Clin Orthop** 1981;(157):212-4

Basic skin closure. Werth JL. **Ear Nose Throat J** 1981 Jan; 60(1):25-8

Removal of tattoos by CO2 laser. Bailin PL, et al. **J Dermatol Surg Oncol** 1980 Dec;6(12):997-1001

A new method to visualize Langer's lines. Faga A. **J Dermatol Surg Oncol** 1981 Jan;7(1):53-5

Hemostasis in cutaneous surgery. Goldberg L, et al. **J Dermatol Surg Oncol** 1981 Jun;7(6):464-5

On history-taking before surgery. Gross DA. **J Dermatol Surg Oncol** 1981 Jan;7(1):71-2

More surgical gems. Simplified closure of fusiform defects by one or more continuous spiral sutures of two turns. Hill TG. **J Dermatol Surg Oncol** 1980 Dec;6(12):986-7

Analgesia induced by nitrous oxide and oxygen as an adjunct to local anesthesia in dermatologic surgery. Results of clinical trials. Maloney JM 3d, et al. **J Dermatol Surg Oncol** 1980 Nov;6(11):939-43

Fine tuning of the skin edges in the closure of surgical wounds. Controlling inversion and eversion with the path of the needle--the right stitch at the right time. Perry AW, et al. **J Dermatol Surg Oncol** 1981 Jun;7(6):471-6

An effective method of inducing analgesia and anesthesia for dermatoplastic surgery in an office. Pierce HE. **J Dermatol Surg Oncol** 1981 Jun;7(6):495-6

A new dermatome for surgical treatment of rhinophyma. Strempel H. **J Dermatol Surg Oncol** 1981 Feb;7(2):153-6

The M-plasty as a means of orienting a surgical specimen for the pathologist. Swanson NA, et al. **J Dermatol Surg Oncol** 1980 Sep;6(9):706-7

Myocutaneous flaps: strategy for utilization. Bone RC. **Laryngoscope** 1981 May;91(5):735-43

The biomechanics of advancement and rotation flaps. Larrabee WF Jr, et al. **Laryngoscope** 1981 May; 91(5):726-34

Rhytidectomy employing a two-layered closure: improved results with hidden scars. Matsunaga RS. **Otolaryngol Head Neck Surg** 1981 May-Jun;89(3 Pt 1):496-503

Reciprocal incisions for closure of circular skin defects. Alvarado A. **Plast Reconstr Surg** 1981 Apr;67(4):482-91

Comparison of complications between in-hospital patients and out patients for aesthetic surgical procedures: a ten-year study. Klein DR, et al. **Plast Reconstr Surg** 1981 Jan;67(1):17-9

Prevention of injury to the great auricular nerve during rhytidectomy. McKinney P, et al. **Plast Reconstr Surg** 1980 Nov;66(5):675-9

Surgical tape. Morgan JE. **Plast Reconstr Surg** 1981 May; 67(5):685-91

The use of slide-swing plasty in closing skin defects: a clinical study based on 1,308 cases. Schrudde J, et al. **Plast Reconstr Surg** 1981 Apr;67(4):467-81

The new Davol dermatome. Swartz BE, et al. **Plast Reconstr Surg** 1981 Jan;67(1):77-8

New technic for skin closure. Nghiem DD. **South Med J** 1980 Sep;73(9):1290

A clinical evaluation of the proximate stapling system for closing skin incisions. Porter DB. **VM SAC** 1981 Mar; 76(3):320-4

[Omental axial flap: a new technique for free skin flap (author's transl)] Sheng ZY. **Chung Hua Wai Ko Tsa Chih** 1979;17(3):151-3 **(Chi)**

[Technic of delayed skin flap transplantation] Aigner K, et al. **Chirurg** 1981 Jun;52(6):376-9 (Eng. Abstr.) **(Ger)**

[Experience with tangential necrectomy in the treatment of burn injuries (author's transl)] Schrudde J, et al. **Unfallheilkunde** 1980 Nov;83(11):547-53 (Eng. Abstr.) **(Ger)**

[A new dermato-surgical therapy for the Favre-Racouchot syndrome (author's transl)] Strempel H. **Z Hautkr** 1981 Feb 15;56(4):209-14 (Eng. Abstr.) **(Ger)**

[Combined dermatoplasty in cranial surgery] Goncharenko ZZ, et al. **Vestn Khir** 1980 May;124(5):110-2 **(Rus)**

[Role of local hemodynamic disorders in the development of 'diseases' of a Filatov graft] Sharabashkin VV. **Vestn Khir** 1980 May;124(5):106-9 (Eng. Abstr.) **(Rus)**

TRANSPLANTATION

The use of an autologous split skin flap in treatment of delayed radiation injuries of the skin. Bardytchev MS, et al. **Acta Chir Plast (Prague)** 1980;22(2):73-9

Rebuilding of free skin autografts and of skin in donor sites by burn injuries. Biryukov ML, et al. **Acta Chir Plast (Prague)** 1980;22(3):149-55

A blepharoplasty indicated by consequences off thermomechanical injuries of eyelids. Zaikova MV, et al. **Acta Chir Plast (Prague)** 1980;22(4):232-40

Repair of fingertip lacerations and amputations. Peimer CA. **Am Fam Physician** 1981 Jan;23(1):177-84

Organ transplantation: skin transplantation. Acres C, et al. **Am J Nurs** 1981 Aug;81(8):1466-7

Skin grafting for full-thickness burn injury. Wooldridge M, et al. **Am J Nurs** 1980 Nov;80(11):2000-4

Vascular fascial island graft for partial nasal reconstruction utilizing an H flap for forehead repair. Kirschner RA. **Am J Otolaryngol** 1980 Aug;1(4):338-44

Patterns of vascular damage in the antibody-mediated rejection of skin xenografts in the mouse. Bogman MJ, et al. **Am J Pathol** 1980 Sep;100(3):727-37

Antigenic stimulation via the anterio chamber of the eye: immunosuppressive effect in combination with cyclophosphamide treatment. Henry SE, et al. **Am Surg** 1980 Dec;46(12):686-90

Burns in children with special reference to the benefits of primary excision and immediate grafting. Lindell-Iwan L. **Ann Chir Gynaecol** 1980;69(5):202-7

Skin banking in the treatment of burns. A practical approach to the processing and storing of allografts. Traaholt L, et al. **Ann Chir Gynaecol** 1980;69(5):213-6

Donor site dressings [letter] Ashbell TS. **Ann Plast Surg** 1981 Feb;6(2):170

Comparison of donor site dressings. Brady SC, et al. **Ann Plast Surg** 1980 Sep;5(3):238-43

More on donor site dressings [letter] Carbonell AM. **Ann Plast Surg** 1981 Feb;6(2):170

Painless, wettable split-skin graft donor site dressings. Das SK, et al. **Ann Plast Surg** 1981 Jul;7(1):48-53

Scalp avulsions and review of successful replantation. Gatti JE, et al. **Ann Plast Surg** 1981 Feb;6(2):127-31

A rapid, simple method of mounting split-thickness skin grafts on a dermacarrier prior to meshing. Hodgkinson DJ, et al. **Ann Plast Surg** 1980 May;4(5):430

Dermal graft for dural defect. Kisner WH, et al. **Ann Plast Surg** 1981 Apr;6(4):315-21

Rapid application of skin grafts over large areas. Larson DL. **Ann Plast Surg** 1980 Sep;5(3):244-5

Important considerations in the design and construction of groin flaps. Schlenker JD. **Ann Plast Surg** 1980 Nov; 5(5):353-7

How to take a graft as well as Earl C. Padgett. Speace GF, et al. **Ann Plast Surg** 1981 Feb;6(2):158-9

Reconstructive approaches to extensive tissue loss of the head secondary to electrical burns. Sucena RC. **Ann Plast Surg** 1981 Jun;6(6):493-9

Transfer of free skin grafts with a preserved subcutaneous vascular network. Tsukada S. **Ann Plast Surg** 1980 Jun; 4(6):500-6

Reconstruction of the ala and nostril sill using proximate composite grafts. Vecchione TR. **Ann Plast Surg** 1980 Aug; 5(2):148-50

Ulcerative lichen planus. Follow-up of surgical excision and grafting. Crotty CP, et al. **Arch Dermatol** 1980 Nov; 116(11):1252-6

Pretibial myxedema. Kucer KA, et al. **Arch Dermatol** 1980 Sep;116(9):1076-7

Pretibial myxedema [letter] Matsuoka LY, et al. **Arch Dermatol** 1981 May;117(5):250-1

Rejection of skin allo- and xenografts in the grass frog, Rana temporaria and the edible frog, Rana esculenta. Plytycz B, et al. **Arch Immunol Ther Exp (Warsz)** 1980;28(4):625-34

The immunosuppressive effect of concanvalin A. III. Influence on the survival time of skin allografts in mice. Wąsik MR, et al. **Arch Immunol Ther Exp (Warsz)** 1980; 28(4):635-9

The influence of the hair-follicle cycle on skin allografts in the congenitally athymic 'nude' mouse. Ramselaar CG, et al. **Br J Exp Pathol** 1981 Jun;62(3):252-8

Silastic foam dressing for skin graft donor sites--a preliminary report. Harding KG, et al. **Br J Plast Surg** 1980 Oct;33(4):418-21

A new technique of skin grafting using Steri-Greffe and a self-adhering foam pad. Harris D. **Br J Plast Surg** 1981 Apr;34(2):181-5

Tactile gnosis in free skin grafts in the hand. Matev IB. **Br J Plast Surg** 1980 Oct;33(4):434-9

Rejection of skin allografts in the common toad, Bufo bufo L. Plytycz B. **Bull Acad Pol Sci [Biol]** 1979;27(10):879-81

The fate of ten successive skin allografts in Triturus cristatus (Laur.). Plytycz B. **Bull Acad Pol Sci [Biol]** 1980; 27(9):709-15

The ability of syngeneic spleen cells coated with antilymphocyte antibodies in vitro to prolong the skin allograft survival in mice. Rudnicka W. **Bull Acad Pol Sci [Biol]** 1979;27(12):1015-20

Lack of effect of anti-immunoglobulin serum on skin allograft survival in mice. Skopińska E, et al. **Bull Acad Pol Sci [Biol]** 1979;27(12):1011-4

Surgical management of Peyronie's disease. Fenster HN, et al. **Can J Surg** 1980 Sep;23(5):471-3

Diminished cellular cytotoxicity in mice hyperimmunized prior to skin grafting. Sugarbaker PH. **Cell Immunol** 1981 Jan 1;57(1):99-113

Maintenance of embryonically induced transplantation tolerance after short-term adult thymectomy in Xenopus laevis. Botham PA, et al. **Dev Comp Immunol** 1980 Summer; 4(3):483-90

Preliminary report on skin allograft rejection in tadpoles and froglets of Rana temporaria. Plytycz B. **Dev Comp Immunol** 1980 Fall;4(4):747-52

Meshed skin grafts for reconstruction of the oral cavity. McCurdy JA Jr, et al. **Ear Nose Throat J** 1980 Oct; 59(10):400-2

Migration of stromal cells supporting mast-cell differentiation into open wound produced in the skin of mice. Matsuda H, et al. **Exp Hematol** 1981 Jan;9(1):38-43

Sensation in cross-finger flaps. Nicolai JP, et al. **Hand** 1981 Feb;13(1):12-6

An innervated flap, incorporating supraclavicular nerves, for reconstruction of major hand injuries. Sommerlad BC, et al. **Hand** 1981 Feb;13(1):5-11

Trapezius osteomyocutaneous island flap for reconstruction of the anterior floor of the mouth and the mandible. Panje W, et al. **Head Neck Surg** 1980 Sep-Oct;3(1):66-71

DAG (Ly-6.2) effect on skin grafts, antibody and MLC utilizing congenic BALB.DAG. Berumen L, et al. **Immunogenetics** 1981;12(3-4):415-7

Anti-cancer action of retinoids. Medawar PB, et al. **Immunology** 1981 Feb;42(2):349-53

Split thickness skin graft for vestibuloplasty operations. Bie T, et al. **Int J Oral Surg** 1980 Dec;9(6):439-43

Healing of palatal defects with and without skin grafts. An intraindividual experimental study on dogs. Jonsson G, et al. **Int J Oral Surg** 1980 Apr;9(2):128-39

Microneurovascular free flaps. Dessapt B, et al. **Int Surg** 1981 Jan-Mar;66(1):23-5

Prolonged survival of allogeneic mouse skin grafts following preservation. Cohen I, et al. **Isr J Med Sci** 1980 Sep-Oct; 16(9-10):628-30

Porcine xenografts for treatment of skin defects in horses. Diehl M, et al. **J Am Vet Med Assoc** 1980 Oct 1; 177(7):625-8

Vasomotor control in healed grafted skin in humans. Freund PR, et al. **J Appl Physiol** 1981 Jul;51(1):168-71

Rejection of skin grafts after orthotopic tooth transplantation between RhLA-paired monkeys. Riviere GR, et al. **J Dent Res** 1981 May;60(5):942-7

A simple technique for producing moderately sized mesh grafts. Berténvi C. **J Dermatol Surg Oncol** 1981 May; 7(5):426-7

More on grafts for ulcers on legs [letter] Field LM. **J Dermatol Surg Oncol** 1980 Sep;6(9):690-1

Multi-leveled anastomosis of a split-thickness graft. Field LM. **J Dermatol Surg Oncol** 1980 Sep;6(9):762

On grafts to the nose [letter] Field LM. **J Dermatol Surg Oncol** 1981 Jun;7(6):441-3

Augmentation of muscular wasting in the hand from leprosy. Harahap M. **J Dermatol Surg Oncol** 1981 Jul;7(7):582-5

Surgical gem. A simplified method of grafting full-thickness skin onto defects on the nose. Hernández-Pérez E. **J Dermatol Surg Oncol** 1981 Jan;7(1):80-1

Surgical gems. A simplified method for closure of full-thickness skin grafts. Hill TG. **J Dermatol Surg Oncol** 1980 Nov;6(11):892-3

On the long-term behavior of grafts of meshed skin. Horn W. **J Dermatol Surg Oncol** 1980 Nov;6(11):946-8

Surgical correction of hyperkeratosis in the Papillon-Lefèvre syndrome. Peled IJ, et al. **J Dermatol Surg Oncol** 1981 Feb;7(2):142-3

Split-skin grafting for ulcers on legs. Vesterager L. **J Dermatol Surg Oncol** 1980 Sep;6(9):739-41

Surgical treatment of severe acne conglobata. Weinrauch L, et al. **J Dermatol Surg Oncol** 1981 Jun;7(6):492-4

Influence of histocompatibility antigens on skin homograft survival in an extensively burned patient. Higuchi D, et al. **J Dermatol (Tokyo)** 1981 Feb;8(1):47-52

Cells mediating graft rejection in the mouse. I. Lyt-1 cells mediate skin graft rejection. Loveland BE, et al. **J Exp Med** 1981 May 1;153(5):1044-57

Exchange of skin grafts among monozygotic quadruplets in armadillos. Billingham RE, et al. **J Exp Zool** 1980 Aug; 213(2):257-60

Prolonged survival of skin allografts in mallards Mueller NS. **J Exp Zool** 1980 Jun;212(3):455-9

Prolonged survival of skin allografts in mallards. Mueller NS. **J Exp Zool** 1980 Jun;212(3):455-9

Radiation-induced carcinoma of the hand. Bunkis J, et al. **J Hand Surg** 1981 Jul;6(4):384-7

Preservation of function following complete degloving injuries to the hand: use of simultaneous groin flap, random abdominal flap, and partial-thickness skin graft. Kleinman WB, et al. **J Hand Surg** 1981 Jan;6(1):82-9

Single-stage reconstruction of the subtotally amputated thumb: a synchronous neurovascular flap and Z-plasty. Winspur I. **J Hand Surg** 1981 Jan;6(1):70-2

Effects of IgG and IgM alloantibodies in the enhancement of mouse skin allografts and the relation with their opsonizing capacity in vivo. Lems SP, et al. **J Immunol** 1981 Aug;127(2):665-9

In vitro growth of murine T cells. VI. Accelerated skin graft rejection caused by adoptively transferred cells expanded in T cell growth factor. Rosenstein M, et al.

J Immunol 1981 Aug;127(2):566–71

Heterogeneity of the tolerant state in rats with long established skin grafts. Smith RN, et al. **J Immunol** 1980 Nov;125(5):2289–94

Study of chemical reaction of the wound and its relation to healing and timing for skin grafting. Sen M, et al. **J Indian Med Assoc** 1980 Jun 16;74(12):232–4

A comparison of skin grafting by immediate and delayed exposed methods in surgery. Shukla HS, et al. **J Indian Med Assoc** 1980 Apr 1;74(7):125–8

Biology of human skin transplanted to the nude mouse: I. Response to agents which modify epidermal proliferation. Krueger GG, et al. **J Invest Dermatol** 1981 Jun; 76(6):506–10

The influence of PUVA and UVB radiation on skin-graft survival in rabbits. Morison WL, et al. **J Invest Dermatol** 1980 Oct;75(4):331–3

Closure of large cribriform defects with a forehead flap. Ousterhout DK, et al. **J Maxillofac Surg** 1981 Feb;9(1):7–9

Stabilization of intraoral skin grafts to the cheek. Friedlander AH, et al. **J Oral Surg** 1981 Jan;39(1):63

Expansion meshed skin grafts in care of the donor site in skin grafting vestibuloplasty. Schow SR, et al. **J Oral Surg** 1981 Jan;39(1):26–9

Evaluation of the immunogenicity of freeze-dried skin allografts in humans. Gher ME Jr, et al. **J Periodontol** 1980 Oct;51(10):571–7

Evidence for graft-versus-host disease in total-lymphoid-irradiated recipients of allogeneic bone marrow and skin grafts. Pierce GE, et al. **J Surg Res** 1981 Apr;30(4):398–402

Clinical skin banking: II. Stimulating sources for organ donation. Fisher JC, et al. **J Trauma** 1980 Dec; 20(12):1057–60

European experience with 1-stage urethroplasty with free full thickness skin graft. De Sy WA, et al. **J Urol** 1981 Apr;125(4):502–3

'How I do it'—head and neck A targeted problem and its solution. Skin graft reconstruction following composite resection. Schramm VL Jr, et al. **Laryngoscope** 1980 Oct; 90(10 Pt 1):1737–9

Dressings for split thickness skin graft donor sites. Weymuller EA Jr. **Laryngoscope** 1981 Apr;91(4):652–3

The groin flap: report of a case of complications in the donor site. Williams G, et al. **Mt Sinai J Med (NY)** 1981 Jan–Feb; 48(1):63–5

Skin grafts for denture construction on cancer patients after surgery. Edwab RR, et al. **NY State Dent J** 1981 Aug–Sep; 47(7):385–7

Surgical procedure for the mastoid cavity problem. Brandow EC Jr. **Otolaryngol Head Neck Surg** 1980 Sep–Oct; 88(5):622–4

Dermal graft for protection of the pharyngeal suture line in cancer surgery of the head and neck. Koltai PJ, et al. **Otolaryngol Head Neck Surg** 1981 Mar–Apr;89(2):260–3

The razor dermatome—shaving time and expense from skin grafting. Tobin HA. **Otolaryngol Head Neck Surg** 1981 Jan–Feb;89(1):45–6

Surgical correction of postburn flexion contractures of the fingers in children. Alexander JW, et al. **Plast Reconstr Surg** 1981 Aug;68(2):218–26

The fluorescein test in dark-skinned patients. Asokan R, et al. **Plast Reconstr Surg** 1980 Nov;66(5):766–8

The biceps femoris musculocutaneous flap in the repair of pressure sores around the hip. James JH, et al. **Plast Reconstr Surg** 1980 Nov;66(5):736–9

How topical dressings salvage 'questionable' flaps: experimental study. McGrath MH. **Plast Reconstr Surg** 1981 May;67(5):653–9

One-stage reconstruction of the vagina with penile skin as an island flap in male transsexuals. Meyer R, et al. **Plast Reconstr Surg** 1980 Sep;66(3):401–6

Use of semipermeable polyurethane membrane for skin graft dressings. Nahas LF, et al. **Plast Reconstr Surg** 1981 Jun; 67(6):791–2

Primary closure of trochanteric decubitus ulcers: the bipedicle tensor fascia lata musculocutaneous flap. Schulman NH. **Plast Reconstr Surg** 1980 Nov;66(5):740–4

A new device for free skin grafting in rats. Ueda M, et al. **Plast Reconstr Surg** 1981 May;67(5):671–2

The scalp flap only onlay: a method for managing large dural defects. Walton RL, et al. **Plast Reconstr Surg** 1980 Nov; 66(5):684–9

Survival of full-thickness skin grafts over avascular defects. Wright JK, et al. **Plast Reconstr Surg** 1980 Sep;66(3):428–32

Multiple nonspecific blood transfusions prolong skin allograft survival in immunosuppressed mice. Okazaki H, et al. **Proc Clin Dial Transplant Forum** 1979;9:230–3

Split skin grafts from the scalp. Klöti J, et al. **Prog Pediatr Surg** 1981;14:111–22

The use of free full thickness skin grafts in the treatment of complications of burns. Metaizeau JP, et al. **Prog Pediatr Surg** 1981;14:209–23

Early surgical excision and grafting of burns including tangential excision. Solomon JR. **Prog Pediatr Surg** 1981; 14:133–49

The effect of split skin allografts on wound epithelialization from autologous patch grafts. An experimental study in rabbits. Gang RK, et al. **Scand J Plast Reconstr Surg** 1981; 15(1):1–4

Living tissue formed in vitro and accepted as skin-equivalent tissue of full thickness. Bell E, et al. **Science** 1981 Mar 6; 211(4486):1052–4

The effects of blood sera from calf fetuses in various periods of fetal life on skin allograft survival time in mice and on human lymphocyte proliferation in vitro. Czaplicki J, et al. **Thymus** 1981;:17–24

The DR system of rhesus monkeys: a brief review of serology, genetics, and relevance to transplantation. Balner H. **Transplant Proc** 1980 Sep;12(3):502–8 (61 ref.)

Dissociation of skin and islet allograft rejection in antithymocyte globulin treated rats. Beyer MM, et al. **Transplant Proc** 1981 Mar;13(1 Pt 2):815–8

Genetic control of allograft tolerance: importance of H-2 subregions. Click RE, et al. **Transplant Proc** 1981 Mar;13(1 Pt 1):582–5

Investigation of the capacity of skin-specific alloantigens to elicit graft-versus-host reactions in the mouse. Fleming HL, et al. **Transplant Proc** 1981 Mar;13(1 Pt 2):1223–5

Fractionated bone marrow: use of a lymphocyte containing fraction for skin allograft prolongation in antilymphocyte serum (ALS) treated mice. Gozzo JJ, et al. **Transplant Proc** 1981 Mar;13(1 Pt 1):592–5

Exceptionally long survival time in xenogeneic organ transplantation. Hammer C, et al. **Transplant Proc** 1981 Mar;13(1 Pt 2):881–4

In vivo induction of specific suppressor lymphocytes to histocompatibility antigens. Horsburgh T, et al. **Transplant Proc** 1981 Mar;13(1 Pt 1):637–9

The key role of Lyt-1+ cells in skin graft rejection in the mouse. Loveland B, et al. **Transplant Proc** 1981 Mar;13(1 Pt 2):1079–81

Comments on targets in rejecting allografts. McCluskey RT. **Transplant Proc** 1980 Sep;12(3 Suppl 1):22–5 (33 ref.)

In vitro analysis of immune reactivity in ALS-treated, bone marrow injected mice bearing enhanced skin allografts. Maki T, et al. **Transplant Proc** 1981 Mar;13(1 Pt 1):596–8

Effect of blood transfusion on skin allograft survival in immunosuppressed mice. Okazaki H, et al. **Transplant Proc** 1981 Mar;13(1 Pt 1):515–7

Fractionated sublethal total body irradiation and donor bone marrow infusion for induction of specific allograft tolerance. Pierce GE, et al. **Transplant Proc** 1981 Mar;13(1 Pt 1):446–51

The experimental skin allograft in man. Rapaport FT, et al. **Transplant Proc** 1980 Dec;12(4):621–5

Lymphocyte stimulation by allogeneic tissue cells in rats: with special reference to differential survival of skin and kidney allografts. Sakai A, et al. **Transplant Proc** 1980 Sep; 12(3 Suppl 1):74–81

Can RT1 haplotypes of recipients influence the skin graft survival? Stark O, et al. **Transplant Proc** 1981 Jun; 13(2):1437–8

Passenger leukocytes and the immunogenicity of skin allografts: a critical reevaluation. Steinmuller D. **Transplant Proc** 1981 Mar;13(1 Pt 2):1094–8 (35 ref.)

Evidence of skin-specific alloantigens in cell-mediated cytotoxicity reactions. Steinmuller D, et al. **Transplant Proc** 1980 Sep;12(3 Suppl 1):107–13

Transplantation biology and immunogenetics of murine skin-specific (Sk) alloantigens. Steinmuller D, et al. **Transplant Proc** 1980 Sep;12(3 Suppl 1):100–6 (29 ref.)

Enhanced allograft survival in rhesus monkeys treated with anti-human thymocyte globulin and donor lymphoid cells. Thomas JM, et al. **Transplant Proc** 1981 Mar;13(1 Pt 1):599–602

Evidence of cell-mediated cytotoxicity to skin-specific alloantigens on mouse epidermal cells. Tyler JD, et al. **Transplant Proc** 1981 Mar;13(1 Pt 2):1082–5

Skin allograft survival in mice pretreated with blood. Wood PJ, et al. **Transplant Proc** 1981 Mar;13(1 Pt 1):523–4

Prolonged survival of major histocompatibility complex-disparate skin allografts transplanted to the metamorphosing frog, xenopus laevis. Barlow EH, et al. **Transplantation** 1981 Jul;32(1):51–7

Hydrocortisone and inhibitors of prostaglandin synthesis. Potentiation of allograft survival in mice. Belldegrün A, et al. **Transplantation** 1981 Jun;31(6):407–8

Rejection of skin and spleen 'isografts' in strain of Lewis rats [letter] Bitter-Suermann H, et al. **Transplantation** 1980 Aug;30(2):158

Failure of antimacrophage globulin to prolong mouse skin allografts. Cameron DJ, et al. **Transplantation** 1981 Apr; 31(4):299–302

Immunogenetic study of the prostaglandins-releasing phenomenon in the allograft reaction. Dy M, et al. **Transplantation** 1980 Nov;30(5):392–3

Cell-mediated hyperacute rejection. I. Acute, accelerated, and hyperacute reactions. Emam M, et al. **Transplantation** 1981 Mar;31(3):156–9

Prolongation of skin allograft survival following donor irradiation and organ culture explanation. Emma DA, et al. **Transplantation** 1981 Feb;31(2):138–9

Skin grafts in rabbits with cyclosporin A: absence of induction of tolerance and untoward side effects. Gratwohl A, et al. **Transplantation** 1981 Feb;31(2):136–8

Skin allograft survival in lentil lectin-treated mice and rats. Harel W, et al. **Transplantation** 1981 Jul;32(1):69–71

Effects of 'high' and 'low' doses of humoral antibodies on allotransplanted tissue in inbred rats. Ishikawa M. **Transplantation** 1981 May;31(5):402–3

Skin graft survival across RT1 and non-RT1 barriers in rats. Jones JM. **Transplantation** 1981 Apr;31(4):311–2

Regional differences in the growth of skin transplants. Kubai L, et al. **Transplantation** 1980 Aug;30(2):128–31

Effect of a single transfusion of donor-specific and nonspecific blood on skin allograft survival in mice. Okazaki H, et al. **Transplantation** 1980 Dec;30(6):421–4

Selective immune stimulation during induction of allograft tolerance in the rat by radical immunosuppression. Rotstein LE, et al. **Transplantation** 1980 Dec;30(6):417–20

Effects of splenectomy and Sendai virus infection on rejection of male skin isografts by pathogen-free C57BL/6 female mice. Streilein JW, et al. **Transplantation** 1981 Jul; 32(1):34–7

Allograft tolerance in pigs after fractionated lymphoid irradiation. I. Skin grafts after partial lateral irradiation and bone marrow cell grafting. Vaiman M, et al. **Transplantation** 1981 May;31(5):358–64

Specific unresponsiveness to skin allografts in mice. VI. Graft survival in mice pretreated with blood. Wood P, et al. **Transplantation** 1981 Jan;31(1):8–14

[The treatment of septic laparotomy wound disruption] Brink CF, et al. **S Afr J Surg** 1980 Sep;19(3):101–5 (Eng. Abstr.) **(Afr)**

[Peritoneal regeneration. A case report] Brink CF. **S Afr Med J** 1980 Oct 18;58(16):641–3 (Eng. Abstr.) **(Afr)**

[Clinical application of extensive skin graft of full thickness (author's transl)] Dong SF. **Chung Hua Kou Chiang Ko Tsa Chih** 1979;14(3):161–3 **(Chi)**

[Characteristics and management of extensive skin avulsion of the lower limbs (author's transl)] Lu KH. **Chung Hua Wai Ko Tsa Chih** 1979;17(4):270–2 **(Chi)**

[Preservation of the skin in liquid nitrogen (author's transl)] Sheng ZY. **Chung Hua Wai Ko Tsa Chih** 1979;17(1):53–6 **(Chi)**

[Use of iliac skin-tube and bone-graft for reconstruction of finger (author's transl)] Wu BG. **Chung Hua Wai Ko Tsa Chih** 1981 May;19(5):295–6 (Eng. Abstr.) **(Chi)**

[Transfer of a 40 cm long free skin flap (author's transl)] Yang DY. **Chung Hua Wai Ko Tsa Chih** 1979;17(3):167–8 **(Chi)**

[Free inguinal skin flap transfer: report of 19 cases (author's transl)] Zhu SS. **Chung Hua Wai Ko Tsa Chih** 1979; 17(3):163–6 **(Chi)**

[Repair of long-term cavernostomies and parieto-pleurectomies using myoplasty and cutaneous autoplasty] Hertzog P, et al. **Ann Chir** 1980 Oct;34(8):631–5 (Eng. Abstr.) **(Fre)**

[Value of the combination of early excision-graft, kinesitherapy and Jobst compressive gloves in the treatment of burned hands. Preliminary analysis of 62 excised hands] Krizek M, et al. **Ann Chir Plast** 1980;25(3):265–70 (Eng. Abstr.) **(Fre)**

[Value of skin grafts in microsurgical practice] Mitz V, et al. **Ann Chir Plast** 1980;25(3):237–40 (Eng. Abstr.) **(Fre)**

[Myocutaneous flaps of the dorsal muscle] Mitz V, et al. **Ann Chir Plast** 1981;26(1):44–51 **(Fre)**

[Use of the intravisceral graft technic for the study of histologic changes in the skin after freezing] Tharanne MJ, et al. **Bull Assoc Anat (Nancy)** 1979 Dec;63(183):527–37 (Eng. Abstr.) **(Fre)**

[Production of histamine and histamine-producing cell stimulating factor (HCSF) by leukocytes incubated with concanavalin A. Effect of presensitization by a skin allograft] Dy M, et al. **C R Acad Sci [D] (Paris)** 1981 Feb 2;292(5):399–402 (Eng. Abstr.) **(Fre)**

[Production of a mastocyte growth factor in lymphocyte cultures stimulated by a mitogen or by allogenic cells] Tertian G, et al. **C R Acad Sci [D] (Paris)** 1980 Dec 15; 291(13):1041–6 (Eng. Abstr.) **(Fre)**

[Outcome of frozen skin grafts following intravisceral implantation] Tharanne MJ, et al. **Folia Morphol (Praha)** 1980;28(3):211–4 **(Fre)**

[Value of the Cialit skin homograft in visceral surgery] Schneider S. **Helv Chir Acta** 1980 Jun;47(1–2):167–70 (Eng. Abstr.) **(Fre)**

[Combined use of cutaneous homografts and autografts in extensive burns. Mowlem-Jackson's phenomenon (author's transl)] Chih-Chun Y, et al. **J Chir (Paris)** 1980 Sep; 117(8–9):443–6 (Eng. Abstr.) **(Fre)**

[Thin-sheet bandages for skin graft wounds] Kreis R, et al. **Chirurg** 1980 Nov;51(11):729–30 **(Ger)**

[Free skin transplantation in the maxillo-facial area. Report on 172 cases] Riediger D, et al. **Chirurg** 1980 Jul;51(7):445–9 (Eng. Abstr.) **(Ger)**

[Free transplantation of thick grafts of skin-adipose tissue with microsurgical blood vessel connections in the rat] Reuther J, et al. **Dtsch Zahnaerztl Z** 1980 Jan;35(1):61–4 (Eng. Abstr.) **(Ger)**

[Fixation possibilities with adaptation plates in skin and mucosal grafts] Steinhäuser EW. **Dtsch Zahnaerztl Z** 1980; 35(11):1043–5 (Eng. Abstr.) **(Ger)**

[Results following plastic replacement of the distal fibular ligaments with autologous corium] Meyer P, et al. **Helv Chir Acta** 1980 Jun;47(1–2):133–6 (Eng. Abstr.) **(Ger)**

[Thoracic wall reconstruction using autologous skin flaps and lyophilized dura: a comparative long-term study in dogs] Tizian C, et al. **Helv Chir Acta** 1980 Sep;47(3–4):505–10 (Eng. Abstr.) **(Ger)**

[Indication for skin-grafting after burn injuries (author's transl)] Brandt KA. **Unfallheilkunde** 1980 Nov;83(11):540–6

(Eng. Abstr.) (Ger)
[Effect of levamisol on the survival time of skin transplants in burns] Niedworok J, et al. **Z Exp Chir** 1980;13(3):151–4 (Eng. Abstr.) (Ger)
[The reversed dermal flap or defects of skull skin (author's transl)] Haneke E. **Z Hautkr** 1981 Jan 15;56(2):84–7 (Eng. Abstr.) (Ger)
[Healing and reinnervation of free skin and mucosal grafts after reconstruction of the vestibulum (author's transl)] Raschke N. **Zahn Mund Kierferheilkd** 1981;69(1):18–22 (Ger)
[Reconstruction of total loss of fingers by free sensory dorsalis pedis flap and Matev procedure] Itzchaki M, et al. **Harefuah** 1980 Jul;99(1–2):9–11 (Eng. Abstr.) (Heb)
[The survival of skin transplants in adult newts after their temporary transfer onto a normal or splenectomized host] Gibertini G, et al. **Arch Ital Anat Embriol** 1979;84(2):115–28 (Eng. Abstr.) (Ita)
[Comparative study of autografts, homografts and 'backgrafts' in adult newts under various experimental conditions] Margotta V, et al. **Arch Ital Anat Embriol** 1979; 84(4):349–73 (Eng. Abstr.) (Ita)
[Sexual dimorphism and histocompatibility phenomena in skin homotransplants in Triturus cristatus carnifex Laur.] Margotta V, et al. **Arch Ital Anat Embriol** 1980;85(3):221–50 (Eng. Abstr.) (Ita)
[Skin autoplasty at 2 different times in treating infected stenoses of the perineobulbar and membranous urethra] Bianchi G, et al. **Chir Ital** 1980 Oct;32(5):1293–301 (Ita)
[The influence of HLA antigens on prolongation of skin allograft survival (author's transl)] Higuchi D, et al. **Nippon Hifuka Gakkai Zasshi** 1980;90(6):485–9 (Jpn)
[Use of an open method in the treatment of post–traumatic skin defects with free grafts of medium thickness] Otfinowski J, et al. **Pol Przegl Chir** 1980 Aug;52(8):707–10 (Eng. Abstr.) (Pol)
[Effect of calf thymus extracts (TFX) and their glycopeptide fractions on skin allotransplant survival time in mice] Turowski G, et al. **Pol Przegl Chir** 1980 Sep;52(9):773–80 (Pol)
[Treatment of extensive areas of residual granulation tissue with mesh skin transplants from the head] Magierski M. **Pol Tyg Lek** 1981 Mar 2;36(9):347–9 (Eng. Abstr.) (Pol)
[Use of liquid cyanoacrylate Chirurcoll–Polfa for fixation of skin grafts] Magierski M, et al. **Pol Tyg Lek** 1980 Jul 21; 35(29):1101–3 (Eng. Abstr.) (Pol)
[Surgical treatment of severe burns of the face and eyelids] Begu DC, et al. **Rev Chir [Oftalmol]** 1981 Jan–Mar; 25(1):55–6 (Eng. Abstr.) (Rum)
[Reconstruction of the orbital cavity with a free skin flap. A proposed new system of containment] Palade R, et al. **Rev Chir [Oftalmol]** 1980 Apr–Jun;24(2):145–7 (Eng. Abstr.) (Rum)
[Skin and bone reconstruction of the thumb] Azolov VV. **Khirurgiia (Mosk)** 1980 Dec;(12):66–8 (Rus)
[Free transplantation of composite skin grafts] Petrovskiĭ BV, et al. **Khirurgiia (Mosk)** 1981 Feb;(2):3–6 (Eng. Abstr.) (Rus)
[Use of allografts of fatty tissue and plantar skin for eliminating cicatricial entropion] Muldashev ER. **Oftalmol Zh** 1980;35(5):302–4 (Eng. Abstr.) (Rus)
[Mistakes in using free dermatoplasty for covering exposed bone] Kirilenko AV. **Ortop Travmatol Protez** 1980 Sep; (9):17–20 (Eng. Abstr.) (Rus)
[Postburn cicatricial deformations of the perioral region and their elimination with free submersed skin grafts] Sergeev IuN. **Stomatologiia (Mosk)** 1980 Sep–Oct;59(5):31–4 (Eng. Abstr.) (Rus)
[Combined one–stage blepharoplasty in eyelid injuries] Koroleva EV. **Vestn Oftalmol** 1980 Nov–Dec;(6):26–30 (Eng. Abstr.) (Rus)
[Surgery of Peyronie's disease using a skin graft] Alférez–Villalobos C, et al. **Actas Urol Esp** 1981 Mar–Apr; 5(2):105–10 (Eng. Abstr.) (Spa)
[Fetal injury in the mouse by pretreatment of the mother with skin or tumor grafts of paternal origin] Matusevich M, et al. **Medicina (B Aires)** 1980 Sep–Oct;40(5):543–6 (Eng. Abstr.) (Spa)

ULTRASTRUCTURE

Adult human skin maintained in organ culture. II. The ultrastructure of the cellular compartment of connective tissue. Hentzer B, et al. **Acta Derm Venereol (Stockh)** 1980; 60(6):465–76
The lichen planus like and sclerotic phases of the graft versus host disease in man: an ultrastructural study of six cases. Janin–Mercier A, et al. **Acta Derm Venereol (Stockh)** 1981; 61(3):187–93
The effects of occlusion of the skin on the Langerhans' cell and the epidermal mononuclear cells. Lindberg M, et al. **Acta Derm Venereol (Stockh)** 1981;61(3):201–5
Angiokeratoma corporis diffusum (Fabry disease): ultrastructural studies of the skin. Nakamura T, et al. **Acta Derm Venereol (Stockh)** 1981;61(1):37–41
Elastotic material and elastic fibers in aged skin: an ultrastructural study with conventional and tannic acid stain. Tsuji T, et al. **Acta Derm Venereol (Stockh)** 1981; 61(2):93–100
Scanning electron microscopic study of the porcine and calf skin surface prepared according to different depilatory methods. Giryn I, et al. **Acta Med Pol** 1980;21(4):325–6
Ultrastructural studies on the effect of photoactivated 8–methoxy psoralen. Nuclear changes in a human epithelial cell line. Ree K, et al. **Acta Pathol Microbiol Scand [A]** 1981 Mar;89(2):81–90
A novel view of the dermal–epidermal junction. Caputo R. **Am J Dermatopathol** 1980 Winter;2(4):357–61
The stratum corneum xerotic from aging and photochemotherapy (PUVA). A study by scanning electron microscopy. Franchimont C. **Am J Dermatopathol** 1980 Winter;2(4):295–304
Subtle clues to diagnosis of skin diseases by electron microscopy. Intracytoplasmic granules with lamellae as signs of heterozygous Fabry's disease. Luderschmidt C, et al. **Am J Dermatopathol** 1980 Spring;2(1):57–61
Subtle clues to diagnosis of skin diseases by electron microscopy. 'Farber bodies' in disseminated lipogranulomatosis (Farber's disease). Schmoeckel C. **Am J Dermatopathol** 1980 Summer;2(2):153–6
Subtle clues to diagnosis of skin diseases by electron microscopy. Intracytoplasmic granules with lamellae in Fabry's disease. Strayer DS, et al. **Am J Dermatopathol** 1980 Spring;2(1):63–4
Ultrastructures. Wolff HH. **Am J Dermatopathol** 1980 Summer;2(2):143–4
An ultramicroscopic study of skin and conjunctival biopsies in chronic neurological disorders of childhood. Arsenio–Nunes ML, et al. **Ann Neurol** 1981 Feb;9(2):163–73
Discoid skin lesion in systemic lupus erythematosus [letter] Adam BA. **Arch Dermatol** 1981 Aug;117(8):453–4
Light and ultrastructural study of reactive perforating collagenosis. Fretzin DF, et al. **Arch Dermatol** 1980 Sep; 116(9):1054–8
Action of trypsin on human plantar stratum corneum. An ultrastructural study. Nicollier M, et al. **Arch Dermatol Res** 1980;268(1):53–64
Café au lait spots in ataxia–telangiectasia (A.T.). Histochemical and ultrastructural study in one case. Ortonne JP, et al. **Arch Dermatol Res** 1980;268(1):91–9
Ultrastructural studies of type II fucosidosis. Porfiri B, et al. **Arch Dermatol Res** 1981;270(1):57–66
Anderson–Fabry disease. Characteristic ultrastructural features in cutaneous blood vessels in a 1–year–old boy. Breathnach SM, et al. **Br J Dermatol** 1980 Jul;103(1):81–4
Cutaneous ultrastructural diagnosis of ceroid–lipofuscinosis. Ishii M, et al. **Br J Dermatol** 1981 May;104(5):581–5
Ultrastructural evidence suggesting an immunomodulatory activity of oral retinoid. Its effect on dermal components in psoriasis. Tsambaos D, et al. **Br J Dermatol** 1981 Jan; 104(1):37–45
Age–related changes in human dermal elastic fibres. Tsuji T, et al. **Br J Dermatol** 1981 Jul;105(1):57–63
Scanning electron microscope studies of solar elastosis. Tsuji T. **Br J Dermatol** 1980 Sep;103(3):307–12
Ultrastructure of vascular and connective tissue changes in primary syphilis. Wrzolkowa T, et al. **Br J Vener Dis** 1980 Jun;56(3):137–43
Fine structure of intramembranous particle aggregates in ADH–treated frog urinary bladder and skin: influence of glutaraldehyde and N–ethyl maleimide. Chevalier J, et al. **Cell Tissue Res** 1981;218(3):595–606
Tinea versicolor: ultrastructural studies on hypopigmented and hyperpigmented skin. Karaoui R, et al. **Dermatologica** 1981;162(2):69–85
X–linked ichthyosis. Ultrastructural study of 4 cases. Mesquita–Guimarães J. **Dermatologica** 1981;162(3):157–66
General ultrastructure and electron histochemistry of melanocytes in normal and hyperpigmented skin lesions. Sirsat SM, et al. **Indian J Cancer** 1981 Mar;18(1):20–6
The structure and function of spot desmosomes. Arnn J, et al. **Int J Dermatol** 1981 Jun;20(5):330–9 (47 ref.)
Ultrastructural features of chromoblastomycosis. Rosen T, et al. **Int J Dermatol** 1980 Oct;19(8):461–8
Ultrastructure of penicillamine–induced skin lesions. Hashimoto K, et al. **J Am Acad Dermatol** 1981 Mar; 4(3):300–15
Xanthoma disseminatum. Report of a case, with histological and ultrastructural studies of skin lesions. Kumakiri M, et al. **J Am Acad Dermatol** 1981 Mar;4(3):291–9
Examination of skin window preparations by transmission electron microscopy. Sokol RJ, et al. **J Clin Pathol** 1980 Jul;33(7):697–8
Sixth annual meeting of the Society for Cutaneous Ultrastructure Research (S.C.U.R.). Abstracts. **J Cutan Pathol** 1980 Jun;7(3):159–213
Acrosclerosis associated with vibration: an electron microscopic study. Hashimoto K, et al. **J Cutan Pathol** 1980 Dec;7(6):373–86
Angioma serpiginosum. Kumakiri M, et al. **J Cutan Pathol** 1980 Dec;7(6):410–21
Ultrastructural findings in acute and chronic graft–vs–hos reaction of the skin. Rozman C, et al. **J Cutan Pathol** 1980 Dec;7(6):354–63
Scanning electron microscopic studies on dermal skin and connective tissue disorders. Hoshino K, et al. **J Dermatol (Tokyo)** 1981 Apr;8(2):97–107
Ultrastructure of senile keratosis. Kimura S. **J Dermatol (Tokyo)** 1980 Aug;7(4):255–61
Suprabasal keratinocytes infected with poxvirus molluscum contagiosum. Olmos L, et al. **J Dermatol (Tokyo)** 1981 Feb; 8(1):1–6
A method of staining basal–cell plasma membranes in epidermal sheets. Sarsfield P, et al. **J Histochem Cytochem** 1981 Mar;29(3):420–2
Fine structural analysis of the synaptic junction of Merkel cell–axon–complexes. Hartschuh W, et al. **J Invest Dermatol** 1980 Aug;75(2):159–65
A familial cutis laxa syndrome with ultrastructural abnormalities of collagen and elastin. Marchase P, et al. **J Invest Dermatol** 1980 Nov;75(5):399–403
Ultrastructural and x–ray microanalytical observations of minocycline–related hyperpigmentation of the skin. Sato S, et al. **J Invest Dermatol** 1981 Sep;77(3):264–71
Biochemical and ultrastructural demonstration of elastin accumulation in the skin lesions of the Buschke–Ollendorff syndrome. Uitto J, et al. **J Invest Dermatol** 1981 Apr; 76(4):284–7
Epidermolysis bullosa acquisita: ultrastructural and immunological studies. Yaoita H, et al. **J Invest Dermatol** 1981 Apr;76(4):288–92
Growth properties and susceptibility to viral transformation of skin fibroblasts from individuals at high genetic risk for colorectal cancer. Rasheed S, et al. **JNCI** 1981 Jan; 66(1):43–9
Ultrastructural characteristics of the skin in a form of the Ehlers–Danlos syndrome type IV. Storage in the rough endoplasmic reticulum. Holbrook KA, et al. **Lab Invest** 1981 Apr;44(4):342–50
The mononuclear cell series in leprosy: an ultrastructural report. Ridley MJ. **Lepr Rev** 1981 Mar;52(1):35–50
Ultrastructural pathology of skin biopsy and fibroblast enzyme studies in a case of GM2–gangliosidosis with deficient hexosaminidase A and thermolabile hexosaminidase B. Burck U, et al. **Neuropaediatrie** 1980 May;11(2):161–75
Ultrastructure of elastosis in facial rhytidectomy skin. Rudolph R, et al. **Plast Reconstr Surg** 1981 Mar; 67(3):295–304
Human lysosomes can be purified from diploid skin fibroblasts by free–flow electrophoresis. Harms E, et al. **Proc Natl Acad Sci USA** 1980 Oct;77(10):6139–43
[Degos' malignant atrophic papulosis. Ultrastructural study of a new case] Bioulac P, et al. **Ann Anat Pathol (Paris)** 1980;25(2):111–24 (Eng. Abstr.) (Fre)
[Interest of ultrastructural study of skin and muscle biopsies in inborn storage diseases. A report of 18 cases (author's transl)] Bioulac P, et al. **Ann Dermatol Venereol** 1980 Mar; 107(3):137–48 (Eng. Abstr.) (Fre)
[Becker's melanosis. Study of seven cases by photonic and electron microscopy. Contribution to the histogenesis of the cytoid bodies (author's transl)] Boiron G, et al. **Ann Dermatol Venereol** 1980 Aug–Sep;107(8–9):787–97 (Eng. Abstr.) (Fre)
[Ultrastructural similarities between the planus–like reaction of the graft versus host disease and the idiopathic lichen planus (author's transl)] Janin–Mercier A, et al. **Ann Dermatol Venereol** 1981;108(1):49–56 (Eng. Abstr.) (Fre)
[Granuloma gluteale infantum: ultrastructural study (author's transl)] Ortonne JP, et al. **Ann Dermatol Venereol** 1980 Jul; 107(7):631–4 (Eng. Abstr.) (Fre)
[Ultrastructure of epidermis in some cases of ichthyosis vulgaris (involved and normal appearing skin), of non–bullous congenital ichthyosiform erythroderma and of acquired ichthyosiform conditions (author's transl)] Pinto Goncalves R, et al. **Ann Dermatol Venereol** 1980 Jun; 107(6):499–505 (Eng. Abstr.) (Fre)
[Proximal nail fold biopsy in connective tissue diseases. 26 cases studied under light and electron microscopy and direct immunofluorescence (author's transl)] Schnitzler L, et al. **Ann Dermatol Venereol** 1980 Aug–Sep; 107(8–9):777–85 (Eng. Abstr.) (Fre)
[Fabry's disease without cutaneous angiokeratoma: diagnosis by electron microscope study of skin biopsy (author's transl)] Le Charpentier Y, et al. **Arch Anat Cytol Pathol** 1980;28(2):119–23 (Eng. Abstr.) (Fre)
[Human orf disease. Ultrastructural study of six cases (author's transl)] Loubet A, et al. **Arch Anat Cytol Pathol** 1980;28(5):303–6 (Eng. Abstr.) (Fre)
[Liebow's lymphomatoid granulomatosis: light and electron microscopic study of a case (author's transl)] Schnitzler L, et al. **Arch Anat Cytol Pathol** 1980;28(2):69–76 (Eng. Abstr.) (Fre)
[Fabry's disease without cutaneous angiokeratoma : diagnosis by electron microscope study of skin biopsy (author's transl)] Le Charpentier Y, et al. **Sem Hop Paris** 1981 Jan 8–15;57(1–2):78–82 (Eng. Abstr.) (Fre)
[Freeze–etch studies of the chick embryonic skin with special consideration of cell junctions (author's transl)] Hürter T, et al. **Acta Histochem (Jena)** 1980;67(2):272–82 (Eng. Abstr.) (Ger)
[Electronmicroscopic investigations of lichen sclerosus et atrophicus of the vulva after cryosurgery (author's transl)] Breitbart EW, et al. **Z Hautkr** 1981 Mar 15;56(6):385–90 (Eng. Abstr.) (Ger)
[Ultrastructural changes in breast cancer metastases following intralesional injections of MER] Bar–Sella P, et al. **Harefuah** 1980 Dec 15;99(12):413–5 (Eng. Abstr.) (Heb)
[Granulofilamentous intranuclear bodies detected by ultrastructural studies in lichen planus and psoriasis] Rózsa G. **Morphol Igazsagugyi Orv Sz** 1981 Jul;21(3):193–9 (Eng. Abstr.) (Hun)
[Acantholysis and its significance in Hailey–Hailey's disease

(author's transl)] Ishibashi Y, et al. **Nippon Hifuka Gakkai Zasshi** 1980 Dec;90(14):1363–72 **(Jpn)**

[Ultrastructure of cutaneous lesions in lupus erythematosus. Comparison between cutaneous type of systemic type. (3) Dermal lymphatic capillaries (author's transl)] Ogawa K. **Nippon Hifuka Gakkai Zasshi** 1980;90(12):1071–80 **(Jpn)**

[Ultrastructure of cutaneous lesions in lupus erythematosus. Comparison between cutaneous type and systemic type. (2) Fibrillar or hyaline bodies (author's transl)] Ogawa K, et al. **Nippon Hifuka Gakkai Zasshi** 1980 Sep;90(10):921–8 **(Jpn)**

[Morphological studies on foreign body granules fate in the guinea pig dermis (author's transl)] Tada H. **Nippon Hifuka Gakkai Zasshi** 1980 Aug;90(9):795–802 **(Jpn)**

[Ultrastructural and immuno–electron–microscopic studies in linear IgA bullous dermatosis] Dąbrowski J, et al. **Przegl Dermatol** 1980 Sep–Oct;67(5):541–8 (Eng. Abstr.) **(Pol)**

[Visualization of oxitalan fibers in normal human skin by the alkaline tetrazolium test] Rodrigo FG, et al. **Med Cutan Iber Lat Am** 1981;9(1):35–9 (Eng. Abstr.) **(Por)**

[Histological and ultrastructural characteristics of Abricosov metastasizing tumor] Galil–ogly GA, et al. **Arkh Patol** 1980; 42(5):43–7 (Eng. Abstr.) **(Rus)**

[Ultrastructure of skin fibroblasts in storage diseases (mucopolysaccharidosis types IV and VI)] Bruskina VIa, et al. **Tsitol Genet** 1980 Sep–Oct;14(5):21–6 (Eng. Abstr.) **(Rus)**

[Cutaneous sporotrichosis. Clinical, mycological and ultrastructural study of 6 cases] Grasa MP, et al. **Actas Dermosifiliogr** 1980 May–Jun;71(5–6):201–8 (Eng. Abstr.) **(Spa)**

SKIN ABSORPTION

Estrogenic absorption through the skin: an experimental study. Goisis C, et al. **Acta Eur Fertil** 1980 Mar;11(1):61–85 **(Eng, Ita)**

Skin absorption and protective gloves in dynamite work. Hogstedt C, et al. **Am Ind Hyg Assoc J** 1980 May; 41(5):367–72

Penetration of trioxsalen into skin from trioxsalen baths. Väätäinen N, et al. **Arch Dermatol Res** 1981;270(2):157–8

Absorption of ultraviolet radiation by skin surface lipid. Beadle PC, et al. **Br J Dermatol** 1981 May;104(5):549–51

Transdermal scopolamine in the prevention of motion sickness at sea. Price NM, et al. **Clin Pharmacol Ther** 1981 Mar;29(3):414–9

The percutaneous absorption of lead–203 in humans from cosmetic preparations containing lead acetate, as assessed by whole–body counting and other techniques. Moore MR, et al. **Food Cosmet Toxicol** 1980 Aug;18(4):399–405

The penetration of rat skin by some nitrosamines of environmental importance. Sansone EB, et al. **IARC Sci Publ** 1980;(31):705–16

Skin absorption and per os administration of methanol in men. Dutkiewicz B, et al. **Int Arch Occup Environ Health** 1980; 47(1):81–8

Epidermal lipids, membranes, and keratinization. Elias PM. **Int J Dermatol** 1981 Jan–Feb;20(1):1–19 (127 ref.)

Benzoyl peroxide: percutaneous penetration and metabolic disposition. Nacht S, et al. **J Am Acad Dermatol** 1981 Jan; 4(1):31–7

Percutaneous absorption of carbon 14 labeled insect repellents in hairless dogs. Reifenrath WG, et al. **J Environ Pathol Toxicol** 1980 Aug;4(1):249–56

Hydration and percutaneous absorption: I. Influence of hydration on alkanol permeation through hairless mouse skin. Behl CR, et al. **J Invest Dermatol** 1980 Oct; 75(4):346–52

The effect of cosmetic vehicles on the penetration of N–nitrosodiethanolamine through excised human skin. Bronaugh RL, et al. **J Invest Dermatol** 1981 Feb;76(2):94–6

Percutaneous transport in relation to stratum corneum structure and lipid composition. Elias PM, et al. **J Invest Dermatol** 1981 Apr;76(4):297–301

Correlation of urinary pesticide metabolite excretion with estimated dermal contact in the course of occupational exposure to Guthion. Franklin CA, et al. **J Toxicol Environ Health** 1981 May;7(5):715–31

Absorption of percutaneous oestradiol in postmenopausal women. Sitruk–Ware R, et al. **Maturitas** 1980 Oct; 2(3):207–11

Minimizing occupational exposure to pesticides: techniques for establishing safe levels of foliar residues. Knaak JB. **Residue Rev** 1980;75:81–96

Comparative rates of dermal penetration of insecticides in mice. Shah PV, et al. **Toxicol Appl Pharmacol** 1981 Jul; 59(3):414–23

[Adrenal insufficiency and iatrogenic Cushing's syndrome by cutaneous absorption of corticosteroids in an 8 month old infant] Dandine M, et al. **Ann Dermatol Venereol** 1980 Mar; 107(3):191–5 **(Fre)**

[Study of the correlation between transepidermal water loss and percutaneous penetration of steroid (author's transl)] Guillaume JC, et al. **Dermatologica** 1981;162(5):380–90 (Eng. Abstr.) **(Fre)**

[Topical action of fentiazac: skin absorption] Zanolo G, et al. **Boll Chim Farm** 1980 Apr;119(4):209–20 (Eng. Abstr.) **(Ita)**

[Studies on the permeability of human skin to nicotinic acid, methyl nicotinate and butyl nicotinate. — with emphasis on the influence of liquid vehicles and that of water immersion (author's transl)] Matushima I, et al. **Nippon Hifuka Gakkai Zasshi** 1980 Jul;90(8):687–99 **(Jpn)**

[Skin absorption of 2,4–dichlorophenoxyacetic acid] Seńczuk W, et al. **Rocz Panstw Zakl Hig** 1980;31(6):611–4 (Eng. Abstr.) **(Pol)**

DRUG EFFECTS

Influence of solvents and adsorbents on dermal and intestinal absorption of TCDD. Poiger H, et al. **Food Cosmet Toxicol** 1980 Oct;18(5):477–81

[Therapy of toxin absorption in skin burns. Synthetic skin replacement or tannic acid (author's transl)] Schölmerich J, et al. **Anaesthesist** 1981 Apr;30(4):185–90 (Eng. Abstr.) **(Ger)**

[Effect of salicylic acid and finely divided sulfur on the bioavailability of corticosteroids in the skin in external therapy] Gloor M, et al. **Z Hautkr** 1980 Sep 1; 55(17):1105–15 (Eng. Abstr.) **(Ger)**

[Characteristics of the skin resorptive action of toluene] Galitskaia VA, et al. **Gig Tr Prof Zabol** 1980;(12):57 **(Rus)**

[Human skin permeability to copper ions based on light and electron microscope histochemistry] Odintsova NA. **Vestn Dermatol Venerol** 1981 Feb;(2):18–22 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[95Zn, 95Nb and 106Ru penetration into the body from the surface of contaminated skin] Barsegian LG, et al. **Gig Sanit** 1981 Jan;(1):32–4 (Eng. Abstr.) **(Rus)**

[Radionuclide resorption through the surface of thermal burns and problems of deactivation] Il'in LA, et al. **Gig Sanit** 1981 Apr;(4):6–9 (Eng. Abstr.) **(Rus)**

[Human 85Sr metabolism in uptake through the injured skin and by intravenous administration] Il'in LA, et al. **Med Radiol (Mosk)** 1980 Oct;25(10):37–43 (Eng. Abstr.) **(Rus)**

SKIN APPENDAGE DISEASES

COMPLICATIONS

Cronkhite Canada syndrome: report of a case with spontaneous recovery. Viranuvatti V, et al. **J Med Assoc Thai** 1981 May;64(5):261–6

PATHOLOGY

'Chronic atrophic gastroenterocolitis': a variant of Cronkhite–Canada syndrome? [letter] Kanabe S, et al. **Arch Pathol Lab Med** 1980 Sep;104(9):495–7

[Otophyma and biepharophyma – two rare forms of sebaceous gland hyperplasia] Hook B, et al. **Z Hautkr** 1980 Aug 1;55(15):1009–20 **(Ger)**

[Adnexal tumors of the skin (author's transl)] Mishima Y. **Nippon Hifuka Gakkai Zasshi** 1980 Nov;90(12):1246–61 (40 ref.) **(Jpn)**

SKIN DISEASES

British Association of Dermatologists. Sixtieth annual meeting, 1980 Oxford. Summaries of papers. **Br J Dermatol** 1980 Jul;103(Suppl 18):1–26

Proceedings of the 218th meeting of the Netherlands Society for Dermatology and Venereology, Amsterdam, 23 February 1980. Abstracts. **Br J Dermatol** 1980 Nov; 103(5):565–80

British Association of Dermatologists Sixty–First Annual Meeting, 1981 London. Summaries of papers and case reports. **Br J Dermatol** 1981 Jul;105(19):1–102

Granuloma annulare. Muhlbauer JE. **J Am Acad Dermatol** 1980 Sep;3(3):217–30 (117 ref.)

Program of the 11th Annual Meeting of the European Society for Dermatological Research. Noordwijkerhout, The Netherlands, May 24–27, 1981. Abstracts. **J Invest Dermatol** 1981 May;76(5):414–32

[Nomen–omen dermatologicum] Danda J. **Cesk Dermatol** 1980 Oct;55(5):354–6 **(Cze)**

[New knowledge in dermatology. New entities and syndromes (author's transl)] Stáva Z. **Cesk Dermatol** 1980 Oct;55(5):339–48 **(Cze)**

[Granuloma glutaeale infantum (author's transl)] Zimmermann R. **Dermatol Monatsschr** 1980 Aug; 166(8):568–75 (Eng. Abstr.) **(Ger)**

[Vacation–related skin diseases] Niebauer G. **Z Hautkr** 1980 Oct 15;55(20):1378–87 **(Ger)**

[The 79th congress of the Japanese Society of Dermatology] **Nippon Hifuka Gakkai Zasshi** 1980 Nov;90(12):1165–335 **(Jpn)**

[Clinical studies on purpura pigmentosa progressiva(angiodermatitis). Part II. Clinical course and prognosis (author's transl)] Saito R. **Nippon Hifuka Gakkai Zasshi** 1980 Jul;90(8):727–31 **(Jpn)**

BLOOD

Studies on gastrointestinal plasma protein loss in extensive skin disease. Worm AM. **Acta Derm Venereol (Stockh)** 1981; 61(1):73–5

Lymphomatoid papulosis with eosinophilia. Moreland ME, et al. **Arch Dermatol** 1981 Mar;117(3):181–2

Studies on the blood fibrinolytic enzyme system of patients with cutaneous vasculitis. Toki N, et al. **Br J Dermatol** 1980 Jul;103(1):41–50

Normolipemic tendon and tuberous xanthomas. Fleischmajer R, et al. **J Am Acad Dermatol** 1981 Sep;5(3):290–6

Human skin fibroblasts in culture: procollagen synthesis in the presence of sera from normal human subjects and from patients with dermal fibroses. Tan EM, et al. **J Invest Dermatol** 1981 Jun;76(6):462–7

Vitamin and zinc status in Down syndrome. Matin MA, et al. **J Ment Defic Res** 1981 Jun;25(Pt 2):121–6

[Sub–populations of T helper suppressor lymphocytes in diverse dermatoses using monoclonal antibodies. Preliminary results (author's transl)] Fulton R, et al. **Ann Dermatol Venereol** 1981;108(3):243–6, 249–50 (Eng. Abstr.) **(Fre)**

CHEMICALLY INDUCED

Some experiences with epoxy resin grouting compounds. Hosein HR. **Am Ind Hyg Assoc J** 1980 Jul;41(7):523–5

Red spots among flight attendants: observation—a valuable investigative tool. Kominsky JR, et al. **Am Ind Hyg Assoc J** 1981 Apr;42(4):323–4

Cutaneous necrosis associated with intravenous nafcillin therapy. Tilden SJ, et al. **Am J Dis Child** 1980 Nov; 134(11):1046–8

Dioxin. A case in point. Tedeschi LG. **Am J Forensic Med Pathol** 1980 Jun;1(2):145–8

Superficial skin necrosis in babies prepared for umbilical arterial catheterisation [letter] Wilkinson AR, et al. **Arch Dis Child** 1981 Mar;56(3):237–8

Rifampicin–induced porphyria cutanea tarda. Millar JW. **Br J Dis Chest** 1980 Oct;74(4):405–8

Modulation of experimental doxorubicin skin toxicity by beta–adrenergic compounds. Dorr RT, et al. **Cancer Res** 1981 Jun;41(6):2428–32

Adverse reactions of the skin to metoprolol and other beta–adrenoreceptor–blocking agents. Neumann HA, et al. **Dermatologica** 1981;162(5):330–5

Sterile cutaneous pustules: a manifestation of primary irritancy? Identification of contact pustulogens. Wahlberg JE, et al. **J Invest Dermatol** 1981 May;76(5):381–3

The production of heterotopic calcification by certain chemical salts. McClure J. **J Pathol** 1980 May;131(1):21–33

Iododerma due to radiographic contrast medium. Sparrow GP. **J R Soc Med** 1979 Jan;72(1):60–1

Penicillamine–induced skin lesions. Sternlieb I, et al. **J Rheumatol [Suppl]** 1981 Jan–Feb;7:149–54

Heparin necrosis. An anticoagulation syndrome. Hall JC, et al. **JAMA** 1980 Oct 17;244(16):1831–2

Further toxic effect of parenteral chlorpromazine. O'Connor M. **Med J Aust** 1980 Aug 23;2(4):227

Skin telangiectases in workers at an aluminum plant. Thériault G, et al. **N Engl J Med** 1980 Nov 27; 303(22):1278–81

Antigenicity and cutaneous toxicity of N–(4'–(9–acridinylamino)–3–methoxyphenyl)–methanesulf (AMSA; NSC–249992) in guinea pigs and rabbits. Watson ES, et al. **Toxicol Appl Pharmacol** 1981 Jul;59(3):476–82

[Mucocutaneous complications of gold salts] Belkahia C, et al. **Tunis Med** 1979 Jul–Oct;57(4–5):234–5 (Eng. Abstr.) **(Fre)**

[Skin changes from taking hormonal contraceptives] Zaun H. **Med Monatsschr Pharm** 1981 Jun;4(6):161–5 **(Ger)**

[Skin manifestations of angio–immunoblastic lymphadenopathies] Schneider I, et al. **Z Hautkr** 1980 Dec 15;55(24):1637–45 **(Ger)**

[Environmental pharmaco–toxicology of arsenic] Loizzo A, et al. **Ann Ist Super Sanita** 1980;16(2):317–39 (52 ref.) **(Ita)**

[Drug toxicodermias] Korolev IuF. **Vestn Dermatol Venerol** 1980 Oct;(10):26–32 (34 ref.) **(Rus)**

[Skin changes in workers in trichlorobenzene production] Popovski P, et al. **Arh Hig Rada Toksikol** 1980;31(2):177–84 **(Slv)**

CLASSIFICATION

Lymphomatoid papulosis. Macaulay's disease. Haserick JR. **Am J Dermatopathol** 1981 Summer;3(2):177

COMPLICATIONS

Pyoderma gangrenosum associated with transient acantholytic dermatosis (pemphigus erythematosus–like) and paraproteinemia. Andersen BL. **Acta Derm Venereol (Stockh)** 1981;61(1):77–9

Cicatricial ectropion and lacrimal obstruction associated with the sclerodermoid variant of porphyria cutanea tarda. Sober AJ, et al. **Am J Ophthalmol** 1981 Mar;91(3):396–400

Retinal branch vessel occlusion in acute intermittent porphyria. Miller SA, et al. **Ann Ophthalmol** 1979 Sep; 11(9):1379–83

Porphyria turcica [letter] Dean G. **Arch Dermatol** 1981 Jun; 117(6):318

Necrolytic migratory erythema without glucagonoma [letter] Thivolet J. **Arch Dermatol** 1981 Jan;117(1):4

Elastosis perforans serpiginosa and other complications

[letter] Tschen E, et al. **Arch Dermatol** 1980 Dec; 116(12):1348

Possible dysglobulinemia and Grover's disease [letter] Yaffee HS. **Arch Dermatol** 1981 Jan;117(1):3

An acute attack of variegate porphyria complicated by severe autonomic neuropathy. Stewart PM, et al. **Aust NZ J Med** 1981 Feb;11(1):82–3

Rothmund–Thomson syndrome (poikiloderma congenitale) associated with hydrocephalus. Mitchell EA, et al. **Aust Paediatr J** 1980 Dec;16(4):290–1

An investigation into the incidence of auto–immune disorders in patients with lichen sclerosus and atrophicus. Harrington CI, et al. **Br J Dermatol** 1981 May;104(5):563–6

A case of lymphomatoid papulosis and systemic lymphoma. Messenger AG, et al. **Br J Dermatol** 1981 Jan;104(1):77–82

Scleromyxedema associated with esophageal aperistalsis and dermal eosinophilia. Alligood TR, et al. **Cutis** 1981 Jul; 28(1):60–3, 66

Jadassohn–type anetoderma in association with protrusion of the teeth. Brenner S, et al. **Dermatologica** 1980; 161(5):334–9

Porphyria cutanea tarda and hepatocellular carcinoma. Topi GC, et al. **Int J Biochem** 1980;12(5–6):883–5

Subacute cutaneous lupus erythematosus and porphyria cutanea tarda. Report of a case. Callen JP, et al. **J Am Acad Dermatol** 1981 Sep;5(3):269–73

Porphyria cutanea tarda complicating Wilson's disease. Chesney TM, et al. **J Am Acad Dermatol** 1981 Jan;4(1):64–6

Acute urinary tract obstruction in dyskeratosis congenita. Olsen TG, et al. **J Am Acad Dermatol** 1981 May;4(5):556–60

Livedo reticularis and cerebrovascular accidents. Quimby SR, et al. **J Am Acad Dermatol** 1980 Oct;3(4):377–83

Morphea and lichen sclerosus et atrophicus. Clinical and histopathologic studies in patients with combined features. Uitto J, et al. **J Am Acad Dermatol** 1980 Sep;3(3):271–9

Internal iliac aneurysm with a trans–sacral fistula. Craxford AD, et al. **J R Coll Surg Edinb** 1981 Mar;26(2):82–5

Lymphomatoid papulosis and primary cutaneous Hodgkin's disease. Dowd PM, et al. **J R Soc Med** 1981 Jan;74(1):68–71

Carpal tunnel syndrome in porphyria [letter] Massey EW. **Lancet** 1980 Oct 11;2(8198):808

Photosensitivity in erythropoietic protoporphyria and porphyria cutanea tarda [letter] Disler P, et al. **N Engl J Med** 1981 May 28;304(22):1363–4

Diffuse cutaneous involvement and sinus histiocytosis with massive lymphadenopathy. Woodcock AA, et al. **Postgrad Med J** 1980 Jul;56(657):521–5

[Late cutaneous porphyria in a child with Down's syndrome (author's transl)] Mariani R, et al. **Arch Fr Pediatr** 1981 Jan;38(1):51–4 (Eng. Abstr.) **(Fre)**

[Ocular manifestations of ectodermosis pluriorificialis] Adenis JP, et al. **Bull Soc Ophtalmol Fr** 1979 Oct;79(10):831–6 (Eng. Abstr.) **(Fre)**

[Exposed intestinal fistulas and peritonitis. Treatment] Bories–Azeau A, et al. **Med Chir Dig** 1980;9(4):327–8 **(Fre)**

[Occipital dermic fistula associated with a dermoid cyst of the posterior fossa (author's transl)] Lesoin F, et al. **Rev Otoneuroophtalmol** 1980 Oct–Dec;52(5):439–44 (Eng. Abstr.) **(Fre)**

[Lichen myxedematosus and multiple myeloma type IgG/kappa] Krebs A, et al. **Hautarzt** 1980 Dec; 31(12):649–53 (Eng. Abstr.) **(Ger)**

[Cryoglobulinemia in plasmocytoma] Landthaler M, et al. **Hautarzt** 1980 Dec;31(12):665–7 (Eng. Abstr.) **(Ger)**

[Acute febrile neutrophilic dermatosis (Sweet syndrome)] Dauber I, et al. **Z Hautkr** 1980 Jul 15;55(14):928–37 **(Ger)**

[Pachydermoperiostosis (Touraine–Solente–Godé syndrome)] Schneider I, et al. **Orv Hetil** 1981 Mar 22; 122(12):705–8 **(Hun)**

[Fanconi–Zinsser's disease associated to Lewandowsky–Lutz's disease (author's transl)] Lovisetto P, et al. **Haematologica (Pavia)** 1981 Feb;66(1):91–7 (Eng. Abstr.) **(Ita)**

[Acute hemorrhagic edema in infants. Case report] Bianchi G, et al. **Minerva Pediatr** 1981 Jan 31;33(2):87–90 (Eng. Abstr.) **(Ita)**

[Case of Goodpasture's syndrome with ocular and skin manifestations] Szela S, et al. **Wiad Lek** 1980 Oct 15; 33(20):1669–72 (Eng. Abstr.) **(Pol)**

[Incontinentia pigmenti (Bloch–Sulzberger syndrome). Appraisal of 2 cases] Burdea M, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1981 Jan–Mar; 30(1):87–92 (Eng. Abstr.) **(Rum)**

CONGENITAL

Cutis marmorata telangiectatica congenita on neonatal lupus [letter] Greist MC, et al. **Arch Dermatol** 1980 Oct; 116(10):1102–3

Focal dermal hypoplasia syndrome. Atherton DJ, et al. **Clin Exp Dermatol** 1980 Jun;5(2):249–52

Congenital erythropoietic porphyria––a relatively benign variant (2 cases). Mehta BC, et al. **J Assoc Physicians India** 1980 Aug;28(8):251–3

Congenital marble skin and chylothorax [letter] Ippen H. **Lancet** 1981 Aug 8;2(8241):312

Management problem in child with congenital marble skin and chylothorax requiring repeated drainage [letter] Pearl KN, et al. **Lancet** 1981 Jul 11;2(8237):90

Brown amiotic fluid in congenital erythropoietic porphyria. Kaiser IH. **Obstet Gynecol** 1980 Sep;56(3):383–4

[Cutis marmorata telangiectatica congenita] Akimov VG, et al. **Vestn Dermatol Venerol** 1981 Feb;(2):12–6 (Eng. Abstr.) **(Rus)**

DIAGNOSIS

Disseminated superficial 'actinic' porokeratosis [letter] Chernosky ME. **Acta Derm Venereol (Stockh)** 1980; 60(4):371

A report of two patients with lichen aureus. Abramovits W, et al. **Arch Dermatol** 1980 Oct;116(10):1183–4

Cutaneous polyarteritis nodosa in a young child. Verbov J. **Arch Dis Child** 1980 Jul;55(7):569–72

Porphyria cutanea tarda. Anderton RL. **Ariz Med** 1980 Oct; 37(10):694–5

Dermal fibrosis in spinal cord injury patients: a scleroderma variant? Stover SL, et al. **Arthritis Rheum** 1980 Nov; 23(11):1312–7

Prenatal diagnosis of dermatological conditions. Hockey A. **Australas J Dermatol** 1981 Apr;22(1):1–10

Rothmund–Thomson syndrome: a case report. Simmons IJ. **Australas J Dermatol** 1980 Aug;21(2):96–9

Sweet's syndrome in infancy. Itami S, et al. **Br J Dermatol** 1980 Oct;103(4):449–51

The relevance of morphometry in the differential diagnosis of cutaneous T cell lymphomas. van der Loo EM, et al. **Br J Dermatol** 1981 Mar;104(3):257–69

The bronchial leak squeak: a new sign for the physical diagnosis of bronchopleurocutaneous fistula. Krumpe P, et al. **Chest** 1981 Mar;79(3):336–9

Identification of two types of porphyria cutanea tarda by measurement of erythrocyte uroporphyrinogen decarboxylase. Elder GH, et al. **Clin Sci** 1980 Jun; 58(6):477–84

Toxic shock syndrome. Possible confusion with Kawasaki's disease. Raimer SS, et al. **Cutis** 1981 Jul;28(1):33–5

Cutaneous Metastases simulating other dermatoses. Stahl D, et al. **Cutis** 1980 Sep;26(3):282–4

Clinical cases presented by the Department of Dermatology, University of Ghent, Belgium. **Dermatologica** 1980;161 Suppl 1:150–60

Scanning the skin for signs of connective tissue disorders. Fenske NA, et al. **Geriatrics** 1981 Mar;36(3):47–66

Leukemia and lymphoma: recognizing cutaneous signs of internal malignancies. Rosen T. **Geriatrics** 1980 Dec; 35(12):65–72

Spontaneous appendico–cutaneous fistula (case report). Vohra R, et al. **Indian Pediatr** 1980 Jul;17(7):629–31

Erythropoietic protoporphyria. Bopp C, et al. **Int J Biochem** 1980;12(5–6):909–13

Porphyrias. Bhutani LK, et al. **Int J Dermatol** 1981 Jun; 20(5):380–4

The touching question. Witkowski JA, et al. **Int J Dermatol** 1981 Jul–Aug;20(6):426

Rhodamin B stain for keratin: evaluation of its specificity and its application in dermal pathology. Pinkus H, et al. **J Cutan Pathol** 1980 Aug;7(4):222–6

Direct microscopy of skin in vivo as a diagnostic aid and research tool. Goldman L. **J Dermatol Surg Oncol** 1980 Sep;6(9):744–9

Is micropapular sarcoidosis tuberculosis? Ridgway HA, et al. **J R Soc Med** 1981 Feb;74(2):140–4

Porphyria cutanea tarda. Diagnosis and management. Grossman ME, et al. **Med Clin North Am** 1980 Sep; 64(5):807–27

Sarcoidosis: a disorder with prominent cutaneous features and their interrelationship with systemic disease. Hanno R, et al. **Med Clin North Am** 1980 Sep;64(5):847–66

Acute life–threatening dermatologic disorders. Simons HM. **Med Clin North Am** 1981 Jan;65(1):227–43

Aerobic and anaerobic bacteriology of cutaneous abscesses in children. Brook I, et al. **Pediatrics** 1981 Jun;67(6):891–5

Common groin eruptions: diagnosis and treatment. Fragola LA Jr, et al. **Postgrad Med** 1981 May;69(5):159–63, 166–9, 172

Cutaneous manifestations of systemic disease. McDonald CJ. **Postgrad Med** 1981 May;69(5):132–5, 138–40, 143 passim

Skin disorders of the vulva. Ridley CM. **Practitioner** 1980 May;224(1343):481–6

Plasma–cell dyscrasia with polyneuropathy, organomegaly, endocrinopathy, M–protein, and skin changes: the POEMS syndrome. Distinctive radiographic abnormalities. Resnick D, et al. **Radiology** 1981 Jul;140(1):17–22

[Lichen nitidus (author's transl)] Trnka J. **Cesk Dermatol** 1980;55(6):395–9 (Eng. Abstr.) **(Cze)**

[Chronic benign acantholytic dermatosis, variant of Grover's acantholytic dermatosis (author's transl)] Vosmík F, et al. **Cesk Dermatol** 1980 Oct;55(5):301–8 (Eng. Abstr.) **(Cze)**

[Dermatologic form of anthrax diagnosed at the dental clinic] Jirousek Z, et al. **Cesk Stomatol** 1980 JUL;80(4):273–7 (Eng. Abstr.) **(Cze)**

[Perianal problems] van Everdingen JJ, et al. **Ned Tijdschr Geneeskd** 1981 Jul 4;125(27):1066–70 **(Dut)**

[Rothmund–Thomson syndrome] Lindlbauer R, et al. **Ann Dermatol Venereol** 1980;107(11):1045–9 **(Fre)**

[Histiocytosis X] Belaich S. **Dermatologica** 1980;161 Suppl 1:100–10 **(Fre)**

[Eruptive generalized syringomas, milium and atrophoderma vermiculata. Nicolau and Balus' syndrome (author's transl)] Dupré A, et al. **Dermatologica** 1981;162(4):281–6 (Eng. Abstr.) **(Fre)**

[Case reports of rare tumors in children] Ma Mascaró J. **Dermatologica** 1980;161 Suppl 1:52–9 **(Fre)**

[Chronic meningo–cutaneo–articular syndrome in children] Prieur AM, et al. **Rev Rhum Mal Osteoartic** 1980 Nov; 47(11):645–9 (Eng. Abstr.) **(Fre)**

[Dermatology in military medicine (author's transl)] Schubert H. **Dermatol Monatsschr** 1980 Oct;166(10):637–44 (Eng. Abstr.) **(Ger)**

[Skin cysts. Basis for diagnosis] Bogner K, et al. **Fortschr Med** 1980 Oct 9;98(38):1445–8 **(Ger)**

[Acanthoma fissuratum cutis] Dorn M, et al. **Hautarzt** 1981 Mar;32(3):145–8 (Eng. Abstr.) **(Ger)**

[Recent development in American dermatology] Hollander A. **Hautarzt** 1980 Aug;31(8):411–8 **(Ger)**

[Mucin accumulation in the dermis and REM syndrome] Steigleder GK, et al. **Hautarzt** 1980 Nov;31(11):575–83 (Eng. Abstr.) **(Ger)**

[Practically important diseases of the subcutaneous fatty tissue (including so–called cellulite)] Nürnberger F. **Med Welt** 1981 May 1;32(18):682–8 **(Ger)**

[Red Ring Test for the recognition of disturbances of porphyrin metabolism] Brugsch J, et al. **MMW** 1981 Jan 9;123(2):57–8 **(Ger)**

[The centroblastic–centrocytic malignant skin lymphoma (Brill–Symer's disease) and its histologic delineation versus the giant follicular form of benign skin lymphadenosis] Altmeyer P. **Z Hautkr** 1980 Oct 1;55(19):1288–94 **(Ger)**

[Lymphomatoid granulomatosis with 'epithelial islands' (author's transl)] Steigleder GK, et al. **Z Hautkr** 1981 Jul 1;56(13):851–61 (Eng. Abstr.) **(Ger)**

[Case reports of the Department of Dermatology Rudolf–Virchow–Krankenhaus, Freie Universität Berlin (author's transl)] Stüttgen G, et al. **Z Hautkr** 1981 Apr 15;56(8):535–45 **(Ger)**

[Lymphomatoid papulosis] Vakilzadeh F. **Z Hautkr** 1980 Oct 15;55(20):1349–50 **(Ger)**

[Unusual clinical manifestations of acute intermittent porphyria and its combination with porphyria cutanea tarda] Gordon IB, et al. **Ter Arkh** 1980;52(9):114–6 (Eng. Abstr.) **(Rus)**

[Case of the cutaneous–hepatic form of porphyria] Zaretskiĭ MM, et al. **Ter Arkh** 1980;52(9):116–7 **(Rus)**

[Lewandowski–Lutz syndrome (epidermodysplasia verruciformis)] Abdullaev AKh. **Vestn Dermatol Venerol** 1980 Dec;(12):40–2 (Eng. Abstr.) **(Rus)**

[Acantholytic cells in the cytodiagnosis of dermatoses] Baliavichene GR. **Vestn Dermatol Venerol** 1981 Feb; (2):40–4 (Eng. Abstr.) **(Rus)**

[Leukocyte agglomeration test in patients with syphilis and various dermatoses] Reznikova LC, et al. **Vestn Dermatol Venerol** 1980 Aug;(8):13–6 (Eng. Abstr.) **(Rus)**

[Little–known manifestations of periarteritis nodosa of the skin] Romanenko IM. **Vestn Dermatol Venerol** 1981 Jan; (1):57–8 (Eng. Abstr.) **(Rus)**

[Fulminant course of hemorrhagic vasculitis] Shupen'ko NM, et al. **Vestn Dermatol Venerol** 1981 Mar;(3):62–5 (Eng. Abstr.) **(Rus)**

[Clinico–genetic aspects of the neurocutaneous syndrome] Bazarov KB, et al. **Zh Nevropatol Psikhiatr** 1980; 80(5):647–52 (Eng. Abstr.) **(Rus)**

DRUG THERAPY

Retinoids in the treatment and prevention of dermatoses and epithelial neoplasias. Lauharanta J. **Ann Clin Res** 1980 Jun; 12(3):123–30

Phototesting of patients with erythropoietic protoporphyria [letter] Fusaro RM, et al. **Arch Dermatol** 1981 Apr; 117(4):190–2

Elevation of serum triglyceride levels from oral isotretinoin in disorders of keratinization. Katz RA, et al. **Arch Dermatol** 1980 Dec;116(12):1369–72

Hydroxychloroquine treatment of porphyria cutanea tarda. Malkinson FD, et al. **Arch Dermatol** 1980 Oct; 116(10):1147–50

Treatment of generalized granuloma annulare with dapsone [letter] Saied N, et al. **Arch Dermatol** 1980 Dec; 116(12):1345–6

Oral retinoids. Broad–spectrum dermatologic therapy for the 1980s. Voorhees JJ, et al. **Arch Dermatol** 1981 Jul; 117(7):418–21

Initial experience with Natuderm a new skin film emulsion analogue cream. Maisey AR, et al. **Br J Clin Pract** 1980 Jun;34(6):178–81

Oral retinoids––present status. Orfanos CE. **Br J Dermatol** 1980 Nov;103(5):473–81 (60 ref.)

Therapeutic evaluation of the oral retinoid Ro 10–9359 in several non–psoriatic dermatoses. Viglioglia PA. **Br J Dermatol** 1980 Nov;103(5):483–7

Topical steroids in the treatment of common dermatoses. Gasiorowski–Mauroy ME. **Compr Ther** 1981 Jan;7(1):8–12

Efficacy of halcinonide cream, 0.1 percent, in the treatment of moderate and severe dermatoses. Belknap BS, et al. **Cutis** 1981 Apr;27(4):433–5

Allantoin: a non–sensitizing topical medicament. Therapeutic effects of the addition of 5 percent allantoin to Vaseline. Fisher AA. **Cutis** 1981 Mar;27(3):230–1, 234, 329

Cryptococcosis with cutaneous manifestations treated with 5–fluorocytosine. Lee S, et al. **Dermatologica** 1980; 161(5):327–33

Zinc as an oral photoprotective agent in erythropoietic protoporphyria? Brun A, et al. **Int J Biochem** 1980; 12(5–6):931–4

Sulfonamides and sulfones in dermatologic therapy. Bernstein

JE, et al. **Int J Dermatol** 1981 Mar;20(2):81–8 (120 ref.)
Oral retinoids in dermatology. Fritsch P. **Int J Dermatol** 1981 Jun;20(5):314–29 (104 ref.)
Teratology for the dermatologist. Lavery JP. **Int J Dermatol** 1981 May;20(4):272–4
Dermatoses of pregnancy. Sasseville D, et al. **Int J Dermatol** 1981 May;20(4):223–41 (67 ref.)
Dermatologic therapy: December, 1978, through November, 1979. Coskey RJ. **J Am Acad Dermatol** 1980 Aug; 3(2):125–48 (202 ref.)
What's new: a review of advances in therapy. Dobson RL, et al. **J Am Acad Dermatol** 1981 Sep;5(3):322–7
Topical chemotherapy with 5–fluorouracil. A review. Goette DK. **J Am Acad Dermatol** 1981 Jun;4(6):633–49 (178 ref.)
Cod liver oil and skin disease [letter] Skinner RB Jr, et al. **J Am Acad Dermatol** 1981 Aug;5(2):222
Therapeutic briefs. II. Thiers B. **J Am Acad Dermatol** 1981 Feb;4(2):249–52 (24 ref.)
Therapeutic briefs. III. Thiers BH. **J Am Acad Dermatol** 1981 Mar;4(3):369–72
Hazards of therapy. Thiers BH. **J Am Acad Dermatol** 1981 Apr;4(4):495–9 (32 ref.)
The therapeutic uses of topical vitamin A acid. Thomas JR 3d, et al. **J Am Acad Dermatol** 1981 May;4(5):505–13 (52 ref.)
Winter itch, dry skin. Papa CM. **J Med Soc NJ** 1980 Nov; 77(12):817–9
Retinoids in dermatology [editorial] **Lancet** 1981 Mar 7; 1(8219):537–8
Porphyria Cutanea tarda in Missouri. Anderson PC. **Mo Med** 1981 Jun;78(6):299–302
Topical corticosteroid therapy. Millikan LE. **Mo Med** 1981 May;78(5):237–42
The pharmacology of topical steroids. Simon GI. **Occup Health Saf** 1981 May;50(5):35–6, 58
Therapeutic observations with Tavegyl. Pólay A. **Ther Hung** 1980;28(2):82–6
[Topical comments on phototherapy and photochemotherapy (author's transl)] Tronnier H. **Cesk Dermatol** 1980; 55(6):403–9 **(Cze)**
[Aromatic retinoid in dermatology] Notowicz A, et al. **Ned Tijdschr Geneeskd** 1980 Aug 2;124(31):1284–6 (Eng. Abstr.) **(Dut)**
[Vitamin A derivatives as therapeutic agents for skin diseases and cancer?] Hollmén A, et al. **Duodecim** 1980; 96(20):1322–7 **(Fin)**
[Dermal mastocytes, histaminaemia, and oral photochemotherapy (author's transl)] Ortonne JP, et al. **Ann Dermatol Venereol** 1980 Mar;107(3):129–34 (Eng. Abstr.) **(Fre)**
[Therapeutic study of a concentrated cream of clobetasol propionate (0.5% in dermatology)] Desmons F, et al. **Lille Med** 1980 Nov;25(9):538–40 **(Fre)**
[Indication of acemetacin in dermatological diseases (author's transl)] Meyer–Rohn J. **Arzneimittelforsch** 1980; 30(8A):1458–9 (Eng. Abstr.) **(Ger)**
[Treatment of porphyria cutanea tarda with intermittent chloroquine] Raff M, et al. **Hautarzt** 1980 Aug;31(8):437–40 (Eng. Abstr.) **(Ger)**
[Positive side–effects of antibiotic and antimicrobial drugs in therapy (author's transl)] Illig L. **Infection** 1979; 7(6):584–8 (42 ref.) (Eng. Abstr.) **(Ger)**
[Corticosteroids in the treatment of dermatoses] Gartmann H. **Med Monatsschr Pharm** 1979 Feb;2(2):45–50 **(Ger)**
[Retinoids. Vitamin A acid and its derivatives in dermatology] Stüttgen G. **MMW** 1980 Sep 19; 122(38):1285–6 **(Ger)**
[Medicamental immunosuppression in dermatology (author's transl)] Goerz G, et al. **Z Hautkr** 1981 Aug 1;56(15):975–90 (Eng. Abstr.) **(Ger)**
[Sublesional therapy by triamcinolone acetonide (author's transl)] Grimmer H. **Z Hautkr** 1981 Apr 1;56(7):413–29 (Eng. Abstr.) **(Ger)**
[B–carotene as the therapeutic agent for erythropoetic protoporphyria, not the last resort] Kuhlwein A, et al. **Z Hautkr** 1980 Jun 15;55(12):817–23 **(Ger)**
[Granuloma anulare––an indication for photochemotherapy? (author's transl)] Marsch WC, et al. **Z Hautkr** 1981 Jan 1;56(1):44–9 (Eng. Abstr.) **(Ger)**
[Retinoic acid and 5–FU mixture in the topical treatment of several skin diseases (author's transl)] Benoldi D, et al. **Ateneo Parmense [Acta Biomed]** 1980;51(3):187–92 (Eng. Abstr.) **(Ita)**
[Effectiveness of UDPG in the treatment of porphyria cutanea tarda. Preliminary findings] Okolicsanyi L, et al. **Clin Ter** 1980 Sep 30;94(6):687–94 (Eng. Abstr.) **(Ita)**
[1.0 percent alcinonide ointment, a new topical corticosteroid preparation: clinico–therapeutic evaluation] Ponzio F, et al. **Clin Ter** 1980 May 15;93(3):295–309 (Eng. Abstr.) **(Ita)**
[Clinical control of the activity of a new topical steroid: clobetasol propionate] Quadrini C. **Clin Ter** 1980 Dec 31; 95(6):673–9 (Eng. Abstr.) **(Ita)**
[Use of chorionic gonadotropin in the treatment of phlebopathic dermatoses] Mian EU, et al. **Minerva Med** 1981 Feb 18;72(4–5):193–203 **(Ita)**
[Use of Efudix ointment for the treatment of keratoacanthoma. II. Histological observations during treatment] Starzycki Z. **Przegl Dermatol** 1980 Jul–Aug; 67(4):475–9 (Eng. Abstr.) **(Pol)**
[Effect of 17–hydrocortisone butyrate (locoid) in various skin diseases, and its effect on intact skin in the light of electrothermometric experimental studies] Szyszymar B, et al. **Przegl Dermatol** 1980 May–Jun;67(3):357–60 (Eng. Abstr.) **(Pol)**
[Use of dekaris (levamisole) in treating dermatologic diseases] Kol'gunenko II, et al. **Vestn Dermatol Venerol** 1981 Feb; (2):59–60 (Eng. Abstr.) **(Rus)**
[Treatment of chronic dermatoses with long–wave UV radiation and the external use of photosensitizing agents] Shakhtmeister IIa, et al. **Vopr Kurortol Fizioter Lech Fiz Kult** 1980 Nov–Dec; (6):50–1 **(Rus)**

ENZYMOLOGY

Immunohistochemical identification of lysozyme in cutaneous lesions of alleged histiocytic nature. Burgdorf WH, et al. **Am J Clin Pathol** 1981 Feb;75(2):162–7
Evaluation of acid alpha–naphthyl acetate esterase activity as a marker of T lymphocytes in benign and neoplastic cutaneous infiltrates. Chu AC, et al. **Br J Dermatol** 1981 Jan;104(1):31–6
Erythropoietic protoporphyria: evidence that it is due to a variant ferrochelatase. Kramer S, et al. **Int J Biochem** 1980; 12(5–6):925–30
[Induction of mixed microsomal oxidase in experimental hexachlorobenzene porphyria in rabbits] Chernev K, et al. **Eksp Med Morfol** 1981;20(1):8–11 (Eng. Abstr.) **(Bul)**
[Porphyria cutanea tarda in children. A case with a familial enzymatic study (letter)] Doutre MS, et al. **Nouv Presse Med** 1981 Apr 25;10(18):1502 **(Fre)**
[Angiotensin–converting enzyme (ACE). Increased serum activities in patients with dermatological diseases (author's transl)] Raff M, et al. **Arch Dermatol Res** 1981;270(3):341–5 (Eng. Abstr.) **(Ger)**
[Cytochrome P–450 dependent enzymatic activity in the liver of patients with porphyria cutanea tarda (author's transl)] Goerz G, et al. **Z Gastroenterol** 1980 Oct;18(10):532–6 (Eng. Abstr.) **(Ger)**

ETIOLOGY

Torture sequelae located to the skin. Danielsen L, et al. **Acta Derm Venereol (Stockh)** 1981;61(1):43–6
Granulomatous reaction in a red tattoo. Verdich J. **Acta Derm Venereol (Stockh)** 1981;61(2):176–7
Acquired zinc deficiency in alcoholic liver cirrhosis: report of two cases. Weismann K, et al. **Acta Derm Venereol (Stockh)** 1980;60(5):447–9
Skin lesions in Waldenström's macroglobulinaemia. Characterization of the cellular infiltrate. Bergroth V, et al. **Acta Med Scand** 1981;209(1–2):129–31
Skin eosinophilia from influenza viruses. An experimental histological study. Businco L, et al. **Allergol Immunopathol (Madr)** 1980 Sep–Oct;8(5):429–38
Actinic granuloma [letter] **Am J Dermatopathol** 1980 Spring; 2(1):89–92
Pulmonary edema and iododerma induced by potassium iodide in the treatment of asthma. Huang TY, et al. **Ann Allergy** 1981 May;46(5):264–6
Cutaneous lesions after intestinal bypass. Drenick EJ, et al. **Ann Intern Med** 1980 Oct;93(4):557–9
Nontuberculous mycobacterial skin infections [letter] Eckman MR. **Ann Intern Med** 1981 Mar;94(3):414–5
Cutaneous sarcoidal granulomas and the development of systemic sarcoidosis. Hanno R, et al. **Arch Dermatol** 1981 Apr;117(4):203–7
Migratory silicone granuloma. Mason J, et al. **Arch Dermatol** 1981 Jun;117(6):366–7
Hodgkin's disease and granuloma annulare. Schwartz RA, et al. **Arch Dermatol** 1981 Mar;117(3):185–6
Gluteal skin necrosis after umbilical artery catheterisation. Mann NP. **Arch Dis Child** 1980 Oct;55(10):815–7
Pharyngocutaneous fistula complicating total laryngectomy. Wei WI, et al. **Aust NZ J Surg** 1980 Aug;50(4):366–9
Cutaneous atheromatous embolism. Dymock RB. **Australas J Dermatol** 1981 Apr;22(1):30–2
Long–term photochemotherapy: histopathological and immunofluorescence observations in 243 patients. Gschnait F, et al. **Br J Dermatol** 1980 Jul;103(1):11–22
The cutaneous manifestations of paraproteinaemia. I. Jones RR. **Br J Dermatol** 1980 Sep;103(3):335–45 (85 ref.)
Cutaneous manifestations of paraproteinaemia. Part II. Jones RR. **Br J Dermatol** 1981 Feb;104(2):209–20 (104 ref.)
Porphyria cutanea tarda (PCT) in a patient with chronic renal failure on haemodialysis. Lichtenstein JR, et al. **Br J Dermatol** 1981 May;104(5):575–8
Secondary localized cutaneous amyloidosis in melanocytic naevi. MacDonald DM, et al. **Br J Dermatol** 1980 Nov; 103(5):553–6
Porphyria cutanea tarda in a haemodialysed patient. Topi GC, et al. **Br J Dermatol** 1981 May;104(5):579–80
Injection abscesses in a diabetic due to Mycobacterium chelonei var abscessus. Jackson PG, et al. **Br Med J** 1980 Oct 25;281(6248):1105–6
Perianal excoriation associated with detergent products [letter] Henderson IW. **Can Med Assoc J** 1980 Jun 21; 122(12):1358–9
Nutrition. Jillson OF. **Cutis** 1981 Apr;27(4):379–84
Vitamin C deficiency. Price NM. **Cutis** 1980 Oct;26(4):375–7
Skin lesions and radioactivity in jewelry. **FDA Drug Bull** 1981 Mar;11(1):3–4
Diabetes: what are the skin deep signs? Millns JL, et al. **Geriatrics** 1981 Apr;36(4):94–107
Porphyria and pseudo–porphyria in hemodialyzed patients. Topi GC, et al. **Int J Biochem** 1980;12(5–6):963–7
Cutaneous manifestations of graft–versus–host disease. Saurat JH. **Int J Dermatol** 1981 May;20(4):249–56
Spongiosis. Stenn KS, et al. **J Am Acad Dermatol** 1981 Aug; 5(2):213–4
Cutaneous manifestations in rats with advanced vitamin A deficiency. Klein–Szanto AJ, et al. **J Cutan Pathol** 1980 Aug;7(4):260–70
The pathogenic role of pemphigus antibodies and proteinase in epidermal acantholysis. Morioka S, et al. **J Invest Dermatol** 1981 May;76(5):337–41
Extensive suprapubic vesicocutaneous fistula following trauma. Bockrath JM, et al. **J Urol** 1981 Feb;125(2):246–8
Skin and eye diseases among arc welders those exposed to welding operations. Emmett EA, et al. **JOM** 1981 Feb; 23(2):85–90
Hepatoerythropoietic porphyria: a new uroporphyrinogen decarboxylase defect or homozygous porphyria cutanea tarda? Elder GH, et al. **Lancet** 1981 Apr 25;1(8226):916–9
Clinical and histological skin changes in chronic renal failure: evidence for a dialysis–resistant, transplant–responsive microangiopathy. Gilchrest BA, et al. **Lancet** 1980 Dec 13;2(8207):1271–5
Skin sores in kwashiorkor, pellagra, and vitamin B6 deficiency [letter] Van Winkle LJ. **Lancet** 1980 Oct 4; 2(8197):750–1
Ulcerative colitis and the skin. Basler RS. **Med Clin North Am** 1980 Sep;64(5):941–54
Extragenital granuloma inguinale in North Queensland. Brigden M, et al. **Med J Aust** 1980 Nov 15;2(10):565–7
Skin and arthritis. Waytz PH. **Minn Med** 1981 Apr; 64(4):231–2
Latrogenic skin disease. August PJ. **Practitioner** 1980 May; 224(1343):471–8
Some cutaneous manifestations of systemic disease. Wright JT. **Practitioner** 1980 May;224(1343):489–96
Changes and changing concepts in the biology of group A streptococci and in the epidemiology of streptococcal infections. Wannamaker LW. **Rev Infect Dis** 1979 Nov–Dec;1(6):967–75 (46 ref.)
[A case of trichinosis with skin manifestations and false positive syphilis serology] Gamby T, et al. **Ann Dermatol Venereol** 1980 Jul;107(7):683–6 **(Fre)**
[Cutaneous manifestations of graft versus host disease (author's transl)] Sohier J, et al. **Bull Cancer (Paris)** 1981; 68(1):78–80 (Eng. Abstr.) **(Fre)**
[Skin involvement in hereditary dysplasia of connective tissue with oculocutaneous manifestations] Beylot C, et al. **Bull Soc Ophtalmol Fr** 1979 Oct;79(10):837–40 **(Fre)**
[Skin manifestations of phakomatosis] Desmons F. **Dermatologica** 1980;161 Suppl 1:22–41 **(Fre)**
[Exposed fistula of the small bowel. Diagnosis and treatment] Flament JB, et al. **Med Chir Dig** 1980;9(4):287–8 **(Fre)**
[Exposed fistulas of the small intestines] Levy E, et al. **Med Chir Dig** 1980;9(4):281–6 **(Fre)**
[Sarcoid nodules of the skin at the site of venipuncture (author's transl)] Choffel C, et al. **Nouv Presse Med** 1981 Feb 28;10(9):697–9 (Eng. Abstr.) **(Fre)**
[Skin lesions in systemic candidiasis (author's transl)] de Prost Y, et al. **Nouv Presse Med** 1981 May 16;10(22):1813–5 (Eng. Abstr.) **(Fre)**
[Cutaneous manifestation of pheochromocytoma. Report of a case (author's transl)] Dany F, et al. **Sem Hop Paris** 1981 Jun 18–25;57(25–28):1223–5 (Eng. Abstr.) **(Fre)**
[Cutaneous manifestations of mediterranean periodic disease. Concerning an observation. Review of the literature (author's transl)] Devaux J, et al. **Sem Hop Paris** 1980 Dec 18–25;56(47–68):2041–4 (Eng. Abstr.) **(Fre)**
[Calcinosis universalis associated with dermatomyositis. A report on five cases (author's transl)] Godeau P, et al. **Sem Hop Paris** 1980 Dec 8–15;56(45–46):1871–5 (Eng. Abstr.) **(Fre)**
[Dermatological problems of travelers in tropical countries] Grosshans E, et al. **Union Med Can** 1980 Feb;109 Suppl(2):4–6 **(Fre)**
[Systemic subscapular papulosis: Hunter's sign in Hunter's disease] Larrégue M, et al. **Union Med Can** 1980 Aug; 109(8):1163–70 **(Fre)**
[Expert observations on late lesions of arsenic poisoning with porphyria cutanea tarda and Dupuytren's contracture] Grobe JW. **Derm Beruf Umwelt** 1980;28(4):116–7 **(Ger)**
[Piezogenic papules in unusual localisation (author's transl)] Hadlich J, et al. **Dermatol Monatsschr** 1980 Jun; 166(6):412–4 (Eng. Abstr.) **(Ger)**
[Cryoproteinemias] Landthaler M. **Hautarzt** 1980 Dec; 31(12):633–8 (40 ref.) (Eng. Abstr.) **(Ger)**
[Dermatological complications in immunosuppressed patients after kidney transplantation] L'Eplattenier JL, et al. **Schweiz Med Wochenschr** 1980 Sep 6;110(36):1307–13 (Eng. Abstr.) **(Ger)**
[Larvate temporal arteritis with skin manifestation following herpes zoster ophthalmicus] Bardach H, et al. **Vasa** 1981; 10(1):58–63 (Eng. Abstr.) **(Ger)**
[Paraproteinemic dermatitosis] Herrmann WP. **Z Hautkr** 1981 Mar 1;56(5):307–10 **(Ger)**
[Problems of protection from optical radiation] Di Pofi M, et al. **Ann Ist Super Sanita** 1980;16(3):443–75 **(Ita)**
[Pseudo–porphyria cutanea tarda in patients with chronic renal insufficiency and in patients with renal transplants] Antonello A, et al. **Minerva Chir** 1980 May 31;35(10):775–7 **(Ita)**

[Atypical cutaneous manifestations in a case of Schönlein-Henoch syndrome] Bezzi TM, et al. **Minerva Pediatr** 1981 Feb 15;33(3):131-3 (Eng. Abstr.) **(Ita)**

[Efflux of prostaglandins in peripheral lymph after experimental burn injury--aspect of early regional edema-formation (author's transl)] Shimizu Y, et al. **Nippon Hifuka Gakkai Zasshi** 1980 Aug;90(9):789-93 **(Jpn)**

[Dermopathy--paraneoplastic syndromes---statistics and etiological mechanism] Ishibashi Y, et al. **Nippon Rinsho** 1980 Dec;38(12):4546-53 **(Jpn)**

[Skin changes and malabsorption syndromes] Kaczmarski M, et al. **Pediatr Pol** 1981;56(4):455-60 (Eng. Abstr.) **(Pol)**

[Effect of neoplasms of the internal organs on the development of skin changes regarding their mutual relationship] Piskozub E, et al. **Pol Tyg Lek** 1980 Oct 20; 35(42):1603-5 (Eng. Abstr.) **(Pol)**

[Type V hyperlipoproteinemia with generalized skin changes (xanthoma eruptivum disseminatum) in diabetes] Juszczyk Z, et al. **Wiad Lek** 1980 Oct 15;33(20):1673-6 (Eng. Abstr.) **(Pol)**

[Skin changes in diseases of the internal organs] Glezer GA, et al. **Vestn Dermatol Venerol** 1980 Sep;(9):35-8 **(Rus)**

[Disseminated intravascular coagulation in skin diseases] Koliadenko VG, et al. **Vestn Dermatol Venerol** 1981 Feb; (2):30-5 (70 ref.) **(Rus)**

[Main manifestations of immunological disorders in patients with common dermatoses and their pathogenic importance] Shatilova NV, et al. **Vestn Dermatol Venerol** 1980 Aug; (8):26-33 (Eng. Abstr.) **(Rus)**

[Social dermatology] Arce Aviño M. **Actas Dermosifiliogr** 1981 Jan-Feb;72(1-2):59-62 **(Spa)**

FAMILIAL & GENETIC

Torre's syndrome as phenotypic expression of cancer family syndrome [letter] Fusaro RM, et al. **Arch Dermatol** 1980 Sep;116(9):986-7

Pseudoatrophoderma colli. A familial case. Kauh YC, et al. **Arch Dermatol** 1980 Oct;116(10):1181-2

Hepatic acetylator phenotype in porphyria cutanea tarda. Ladero JM, et al. **Arch Dermatol Res** 1981;270(2):171-3

Porphyria cutanea tarda and beta-thalassaemia minor with iron overload [letter] Chapman R. **Br Med J** 1980 Oct 18; 281(6247):1070

Porphyria cutanea tarda and beta-thalassaemia minor with iron overload [letter] Day RS, et al. **Br Med J** 1980 Sep 20;281(6243):809

Familial C1q deficiency associated with renal and cutaneous disease. Leyva-Cobián F, et al. **Clin Exp Immunol** 1981 Apr;44(1):173-80

Porphyria cutanea tarda in three brothers and one sister. García Díez A, et al. **Dermatologica** 1981;162(4):243-8

The inheritance of porphyria cutanea tarda. Enriquez de Salamanca R, et al. **Int J Biochem** 1980;12(5-6):869-72

The incidence of chronic hepatic porphyria in an Italian family. Strik JJ, et al. **Int J Biochem** 1980;12(5-6):879-81

Principles of genetics as applied to dermatologic diseases. Goldsmith LA. **J Am Acad Dermatol** 1981 Mar;4(3):255-66

Eruptive vellus hair cysts--an inherited disorder. Stiefler RE, et al. **J Am Acad Dermatol** 1980 Oct;3(4):425-9

HLA-types in porphyria cutanea tarda [letter] Kuntz BM, et al. **Lancet** 1981 Jan 17;1(8212):155

Heritable cutaneous disorders which affect the gastrointestinal tract. Golitz LE. **Med Clin North Am** 1980 Sep;64(5):829-46

[Bullous and hereditary Weary-Kindler's acrokeratotic poikiloderma (author's transl)] Larrègue M, et al. **Ann Dermatol Venereol** 1981;108(1):69-76 (Eng. Abstr.) **(Fre)**

[Porokeratosis of Mibelli in two monozygotic twins (author's transl)] Larrègue M, et al. **Ann Dermatol Venereol** 1981; 108(2):151-6 (Eng. Abstr.) **(Fre)**

[A report on two cases of pachydermoperiostosis benigna familiaris (author's transl)] Voss E, et al. **Dermatol Monatsschr** 1980 Oct;166(10):657-61 (Eng. Abstr.) **(Ger)**

[Chronic hepatic porphyria with uroporphyrinogen decarboxylase defect in four generations (author's transl)] Lehr PA, et al. **Dtsch Med Wochenschr** 1981 Feb 20; 106(8):241-5 (Eng. Abstr.) **(Ger)**

[Porphyria variegata] Meinhof W, et al. **Hautarzt** 1980 Nov; 31(11):595-601 (Eng. Abstr.) **(Ger)**

[Hereditary poikilodermias] Reich H. **Hautarzt** 1981 Feb; 32(2):101-3 **(Ger)**

HISTORY

The eponymy of sarcoidosis. Scadding JG. **J R Soc Med** 1981 Feb;74(2):147-57

[Differential diagnostic considerations on the skin efflorescence depicted on the Sebastian altar of Hans Holbein the Elder] Roth W. **Hautarzt** 1980 Dec; 31(12):662-4 (Eng. Abstr.) **(Ger)**

IMMUNOLOGY

Demonstration of circulating and tissue-fixed immune complexes in cutaneous necrotizing vasculitis. Imamura S, et al. **Acta Derm Venereol (Stockh)** 1980;60(5):389-92

The T-lymphocyte, the mucinous epithelial interstitium, and immunostimulation. Reed RJ. **Am J Dermatopathol** 1981 Summer;3(2):207-14

Malignant melanoma and Vogt-Koyanagi-Harada syndrome [letter] Stein ZL. **Am J Hosp Pharm** 1980 Oct;37(10):1306

HLA and porphyria cutanea tarda. Llorente L, et al. **Arch Dermatol Res** 1980;269(2):209-10

The association between lichen sclerosus et atrophicus and HLA-B40. Harrington CI, et al. **Br J Dermatol** 1981 May; 104(5):561-2

Autoantibodies to an epidermal protease inhibitor in skin diseases. Hopsu-Havu VK, et al. **Br J Dermatol** 1981 Jun; 104(6):621-5

Sensitivity to endogenous progesterone. Report of a case. Friedman-Birnbaum R, et al. **Dermatologica** 1981; 162(5):391-4

Nonspecific skin hyperreactivity in Behçet's disease. Tüzün Y, et al. **Haematologica (Pavia)** 1980 Jun;65(3):395-8

Evaluation of circulating immune complex-like material for development of skin reactions in connection with penicillin therapy. Ahlstedt S, et al. **Int Arch Allergy Appl Immunol** 1981;64(2):195-200

Some recent advances in HLA and skin diseases. Ozawa A, et al. **J Am Acad Dermatol** 1981 Feb;4(2):205-30 (152 ref.)

Detection of circulating immune complexes in cutaneous disease using a monoclonal rheumatoid factor hemagglutination method. Jordon RE, et al. **J Clin Lab Immunol** 1981 Jul;6(1):87-90

Studies in cutaneous immunofluorescence. I. The effect of storage time on direct immunofluorescence of skin biopsies from bullous disease and lupus erythematosus. Mackie RM, et al. **J Cutan Pathol** 1980 Aug;7(4):236-43

A case of diffuse plane xanthomatosis. Yu HS, et al. **J Dermatol (Tokyo)** 1980 Aug;7(4):247-54

Diseases caused by reactions of T lymphocytes to incompatible structures of the major histocompatibility complex. II. Autoantibodies deposited along the basement membrane of skin and their relationship to immune-complex glomerulonephritis. van Elven EH, et al. **J Immunol** 1981 May;126(5):1684-91

Identification of T & B lymphocytes on skin sections from patients with lymphoproliferative disorders of the skin. David M, et al. **J Invest Dermatol** 1980 Dec;75(6):491-4

Generation of chemotactic activity in serum from patients with erythropoietic protoporphyria and porphyria cutanea tarda. Lim HW, et al. **N Engl J Med** 1981 Jan 22; 304(4):212-6

Immunologically mediated epidermal cell injury. Sontheimer RD, et al. **Springer Semin Immunopathol** 1981 Jun;4(1):1-15 (64 ref.)

[Epidermodysplasia verruciformis (2 cases). Immunological study (author's transl)] Guilhou JJ, et al. **Ann Dermatol Venereol** 1980 Jul;107(7):611-9 (Eng. Abstr.) **(Fre)**

[Serum IgD levels in various dermatoses (author's transl)] Guilhou JJ, et al. **Ann Dermatol Venereol** 1980 Aug-Sep; 107(8-9):749-54 (Eng. Abstr.) **(Fre)**

[Serologic hepatitis B markers in porphyria cutanea tarda (author's transl)] Uthemann H, et al. **Dtsch Med Wochenschr** 1980 Dec 5;105(49):1718-20 (Eng. Abstr.) **(Ger)**

[Cell-mediated immunity in lymphocytic infiltration of the skin] David M, et al. **Harefuah** 1980 Sep;99(5-6):118-9 (Eng. Abstr.) **(Heb)**

[Peripheral blood lymphocyte transformation test in various skin diseases of allergic origin] Panasiuk J. **Przegl Dermatol** 1980;67(6):823-9 **(Pol)**

[Nonspecific defense mechanisms and immune responsiveness in patients with eczema, systemic lupus erythematosus, psoriasis and dermatitis medicamentosa] Nesterenko GB, et al. **Vestn Dermatol Venerol** 1981 Mar;(3):21-4 (Eng. Abstr.) **(Rus)**

[Leukocytolysis reaction in dermatoses and syphilis] Reznikova LS, et al. **Vestn Dermatol Venerol** 1981 Jan; (1):62-5 (Eng. Abstr.) **(Rus)**

[Immunology problems in the clinical picture of skin diseases] Skripkin IuK, et al. **Vestn Dermatol Venerol** 1980 Oct; (10):13-8 (29 ref.) (Eng. Abstr.) **(Rus)**

METABOLISM

Studies on fibronectin in the skin: VI. Intra-epidermal depositions in vulgar psoriasis, lupus erythematosus, bullous pemphigoid and dermatitis herpetiformis. Fyrand O. **Acta Derm Venereol (Stockh)** 1980;60(5):393-8

Follow-up studies of porphyrin excretion in porphyria cutanea tarda treated with p-aminobenzoic acid. de Salamanca RE, et al. **Ann Clin Res** 1980 Dec;12(6):279-81

Pigmented xerodermoid and XP-variants [letter] Fischer E, et al. **Arch Dermatol Res** 1980;269(3):329-30

Alterations of collagen in lichen amyloidosus. Tsambaos D, et al. **Arch Dermatol Res** 1980;269(2):217-20

Sulphhydryl and disulphide stainings of subepidermal hyaline bodies. Danno K, et al. **Br J Dermatol** 1981 Apr; 104(4):437-42

Distribution and degradation of albumin in extensive skin disease. Worm AM, et al. **Br J Dermatol** 1981 Apr; 104(4):389-96

Serine phosphate, threonine phosphate and gamma-carboxyglutamic acid in normal and experimentally induced, pathologically calcified rat skin (topical cutaneous calciphylaxis). Glimcher MJ, et al. **Calcif Tissue Int** 1981; 33(2):185-90

Unusual porphyrins in porphyric bullous fluid. Eales L, et al. **Int J Biochem** 1980;12(5-6):1059-65

Hepatic metabolism of bromosulphthalein in porphyria cutanea tarda. Enríquez de Salamanca R, et al. **Int J Biochem** 1980;12(5-6):855-9

Role of prostaglandins in inflammatory and proliferative skin disease. Greaves MW. **J Dermatol (Tokyo)** 1980 Oct; 7(5):301-8

Microvascular protein leakage in extensive skin diseases: aspects of the transport mechanisms. Worm AM, et al. **J Invest Dermatol** 1980 Oct;75(4):302-5

Exchange of macromolecules between plasma and skin interstitium in extensive skin disease. Worm AM. **J Invest Dermatol** 1981 Jun;76(6):489-92

Leakage of lymph through scrotal skin. Lim ST, et al. **J Urol** 1981 Jun;125(6):889-90

Role of prostaglandins in inflammatory and proliferative skin disease. Greaves MW. **Nippon Hifuka Gakkai Zasshi** 1980 Nov;90(12):1172-8

Chemical and immunohistologic characterization of collagenous components in the normal and diseased skin. Weber L. **Prog Clin Biol Res** 1981;54:131-3

[Observations on the fine structures of glycosaminoglycans in normal and abnormal skin (author's transl)] Maeda H. **Nippon Hifuka Gakkai Zasshi** 1980;90(5):411-24 **(Jpn)**

[Level of nuclear DNA in acantholytic cells in pemphigus] Avtandilov AG, et al. **Vestn Dermatol Venerol** 1980 Aug; (8):52-4 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Bacteria, arthritis, and skin lesions due to Kingella kingae [letter] Redfield DC, et al. **Arch Dis Child** 1980 May; 55(5):411

Lymphomatoid papulosis. Ultrastructural study with demonstration of intranuclear and intracytoplasmic viruslike particles. Shamsuddin AK, et al. **Dermatologica** 1980;161(4):238-42

Antibiotic sensitivity and phage typing of Staphylococcus aureus from skin lesions at a rural dispensary. Ray K, et al. **Indian J Med Res** 1980 Dec;72:802-6

Anogenital warts contain several distinct species of human papillomavirus. Krzyzek RA, et al. **J Virol** 1980 Oct; 36(1):236-44

OCCURRENCE

Prevalence of skin diseases among adolescents 12--16 years of age. Larsson PA, et al. **Acta Derm Venereol (Stockh)** 1980;60(5):415-23

Prevalence of skin diseases in old age. Weismann K, et al. **Acta Derm Venereol (Stockh)** 1980;60(4):352-3

Prevalence of skin diseases in various socio-economic classes-results of school survey in Surat District (Gujarat). Bhavsar BS, et al. **Indian J Med Sci** 1981 Jan;35(1):1-4

The different types of porphyria in Denmark and the importance of family studies. With TK. **Int J Biochem** 1980; 12(5-6):887-9

Perspectives in dermatology. Indonesia 1974-1979. Harahap M. **Int J Dermatol** 1980 Jul-Aug;19(6):323-5

Prevalence of skin disease in Rwanda. Van Hecke E, et al. **Int J Dermatol** 1980 Nov;19(9):526-9

In defense of data [editorial] Johnson ML. **J Am Acad Dermatol** 1980 Aug;3(2):193-4

Dermatologic aspects of sports medicine. Levine N. **J Am Acad Dermatol** 1980 Oct;3(4):415-24

The distribution and management of dermatological disease in the United States: prevalence related to manpower. Johnson ML. **Nippon Hifuka Gakkai Zasshi** 1980 Nov; 90(12):1179-85

Vulvovaginitis, vulvar skin disease, and pelvic inflammatory disease. Altchek A. **Pediatr Clin North Am** 1981 May; 28(2):397-432

A study of the causes of medical attendance aboard British Merchant ships. Oliver PO. **Public Health** 1981 Mar; 95(2):74-81

The pattern of childhood skin diseases in Jamaica. Alabi GO, et al. **West Indian Med J** 1981 Mar;30(1):3-7

[Incidence of skin diseases and esthetic defects in students of type II and III schools in Bratislava] Hegyi E, et al. **Cesk Zdrav** 1981 Jul;29(7):294-9 (Eng. Abstr.) **(Cze)**

[Medico-geographical classification of skin diseases in man] Kleshnia DN. **Vestn Dermatol Venerol** 1980 Aug;(8):38-40 **(Rus)**

[Prevalence of dermatologic disorders and esthetic defects in higher age groups of the population (author's transl)] Hegyi E, et al. **Bratisl Lek Listy** 1980 Sep;74(3):339-46 (Eng. Abstr.) **(Slo)**

[Prevalence of skin diseases and anesthetic defect in primary school children in the Bratislavy area (author's transl)] Hegyi E, et al. **Cesk Dermatol** 1980;55(6):384-8 (Eng. Abstr.) **(Slo)**

[A follow-up study registered, occupational skin diseases in an iron mine] Thörn A. **Lakartidningen** 1981 Apr 15; 78(16):1657-8 **(Swe)**

PATHOLOGY

Solitary adult xanthogranuloma: a case report with new observation on lipid droplet formation. Niizuma K. **Acta Derm Venereol (Stockh)** 1980;60(6):477-83

Granuloma annulare: histopathologic and direct immunofluorescent study. Thyresson HN, et al. **Acta Derm Venereol (Stockh)** 1980;60(3):261-3

Clinicopathological correlation of common skin lesions on sun-damaged skin. Jones RE Jr, et al. **Ala J Med Sci** 1981 Apr;18(2):142-7

'Classical' lymphomatoid papulosis. A variant of pityriasis lichenoides. Black MM. **Am J Dermatopathol** 1981 Summer; 3(2):175–6

Lymphomatoid papulosis. A concept which encompasses more than one disease process. Brehmer-Andersson E. **Am J Dermatopathol** 1981 Summer;3(2):169–74

Cutaneous lesions of lymphomatoid granulomatosis. Comparison with lymphomatoid papulosis. Kessler S, et al. **Am J Dermatopathol** 1981 Summer;3(2):115–27

On making a histologic diagnosis. Are explicit criteria always necessary to make a correct histologic diagnosis? Lieblich LM. **Am J Dermatopathol** 1980 Winter;2(4):349–56

Lymphomatoid papulosis. Thirteen years later. Macaulay WL. **Am J Dermatopathol** 1981 Summer;3(2):165–7

Proliferation of sweat ducts in certain diseases of the skin. Mehregan AH. **Am J Dermatopathol** 1981 Spring;3(1):27–31

A reappraisal of lymphomatoid papulosis and of its follicular variant. Pierard GE. **Am J Dermatopathol** 1981 Summer; 3(2):179–81

Follicular lymphomatoid papulosis. Pierard GE, et al. **Am J Dermatopathol** 1980 Summer;2(2):173–80

Subtle clues to diagnosis by gross pathology. Superficial atrophy: Loss of papillary dermis and epidermis. Ragaz A, et al. **Am J Dermatopathol** 1980 Winter;2(4):337–44

Subtle clues to diagnosis of skin diseases by electron microscopy. 'Farber bodies' in disseminated lipogranulomatosis (Farber's disease). Schmoeckel C. **Am J Dermatopathol** 1980 Summer;2(2):153–6

Cornoid lamellation. A histologic reaction pattern. Wade TR, et al. **Am J Dermatopathol** 1980 Spring;2(1):5–15

Subtle clues to diagnosis by conventional microscopy. Weinman V, et al. **Am J Dermatopathol** 1980 Winter; 2(4):345–8

Lymphomatoid papulosis. A critical review and new findings. Weinman VF, et al. **Am J Dermatopathol** 1981 Summer; 3(2):129–63

Electron-probe microanalysis. Aid in the study of skin granulomas. Andres TL, et al. **Arch Dermatol** 1980 Nov; 116(11):1272–4

Pathology quiz case 1. Colloid milia. Folsom KJ. **Arch Dermatol** 1981 Feb;117(2):116–8

Multiple fibrofolliculomas with trichodiscomas and acrochordons. Fujita WH, et al. **Arch Dermatol** 1981 Jan; 117(1):32–5

Necrobiotic granulomas of the skin associated with Hodgkin's disease. Peltier FA, et al. **Arch Dermatol** 1981 Feb; 117(2):123–4

Ciliated plantar cyst. True L, et al. **Arch Dermatol** 1980 Sep; 116(9):1067–8

Rapidly progressing arterio-occlusive syndrome in a patient receiving long-term hemodialysis. Kohlmeier-Degos disease? [clinical conference] Barcelli U, et al. **Arch Intern Med** 1981 Sep;141(10):1331–5

Angiolymphoid hyperplasia with eosinophilia of the external ear canal. Thompson JW, et al. **Arch Otolaryngol** 1981 May; 107(5):316–9

Orofacial manifestations in the neurodermatoses. Scully C. **ASDC J Dent Child** 1980 Jul-Aug;47(4):255–60 (69 ref.)

Skin lesions in angioimmunoblastic lymphadenopathy: histological and immunological studies. Bernengo MG, et al. **Br J Dermatol** 1981 Feb;104(2):131–9

Lichen sclerosus et atrophicus of the scalp. Foulds IS. **Br J Dermatol** 1980 Aug;103(2):197–200

T lymphocytes and mononuclear phagocytes in the skin infiltrate of systemic and discoid lupus erythematosus and Jessner's lymphocytic infiltrate. Konttinen YT, et al. **Br J Dermatol** 1981 Feb;104(2):141–5

Scanning electron microscope studies of solar elastosis. Tsuji T. **Br J Dermatol** 1980 Sep;103(3):307–12

Pseudopyogenic granuloma. Leonard JN, et al. **Clin Exp Dermatol** 1981 Mar;6(2):215–8

Malignant atrophic papulosis (Degos' syndrome): first case report from India [letter] Premalatha S, et al. **Clin Exp Dermatol** 1980 Sep;5(3):370–1

Localization of the defect in skin diseases analyzed in the human skin graft-nude mouse model. Briggaman RA. **Curr Probl Dermatol** 1980;10:115–26

Tissue culture of epidermal cells in some acantholytic dermatoses. Ishibashi Y, et al. **Curr Probl Dermatol** 1980; 10:91–113

Structural changes of human epidermal alpha-keratin in disorders of keratinization. Steinert PM, et al. **Curr Probl Dermatol** 1980;10:391–406

Elastosis perforans serpiginosa. Brachfeld JH, et al. **Cutis** 1980 Nov;26(5):503–5

Perforating porokeratosis of Mibelli. Izumi AK. **Cutis** 1981 Jul;28(1):45–6

Disseminated superficial actinic porokeratosis in a black patient. Mensch F, et al. **Cutis** 1981 Jul;28(1):51–2, 56

Lichen striatus with onychodystrophy. Niren NM, et al. **Cutis** 1981 Jun;27(6):610–3

Lichen myxedematosus: histochemical study. Abd El-Aal H, et al. **Dermatologica** 1981;162(4):273–6

'Papillomatose papuleuse confluente et réticulée Gougerot-Carteaud'--a further form of skin amyloidosis? Groh V, et al. **Dermatologica** 1981;162(2):118–23

Atypical tuberous myxedema Jadassohn-Dössekker. Report of a case. Suter L, et al. **Dermatologica** 1980;161(4):265–9

Reticulohistiocytoma. Van Hecke E, et al. **Dermatologica** 1980;161 Suppl 1:144–9

The pathology of the liver in porphyria cutanea tarda. Cortés JM, et al. **Histopathology** 1980 Sep;4(5):471–85

Multiple keratoacanthoma. Ahmed AR. **Int J Dermatol** 1980 Nov;19(9):496–9 (55 ref.)

Involuting common warts. Clinical and histopathologic findings. Berman A, et al. **J Am Acad Dermatol** 1980 Oct; 3(4):356–62

Cutaneous amyloidosis. A case report of the tumefactive variant and a review of the spectrum of clinical presentations. Ratz JL, et al. **J Am Acad Dermatol** 1981 Jan;4(1):21–6

Giant pseudomalignant granuloma. Sina B, et al. **J Am Acad Dermatol** 1980 Sep;3(3):292–8

Focal dermal hypoplasia (Goltz's syndrome) with an expansile iliac lesion. A case report. Lynch RD, et al. **J Bone Joint Surg [Am]** 1981 Mar;63A(3):470–3

Demonstration of intracytoplasmic needle-like inclusions in hepatocytes of patients with porphyria cutanea tarda. James KR, et al. **J Clin Pathol** 1980 Sep;33(9):899–900

Sixth annual meeting of the Society for Cutaneous Ultrastructure Research (S.C.U.R.). Abstracts. **J Cutan Pathol** 1980 Jun;7(3):159–213

Verruciform xanthoma of the skin. Barr RJ, et al. **J Cutan Pathol** 1980 Dec;7(6):422–8

The histopathologic differentiation of keratoacanthoma and squamous cell carcinoma of the skin. Kern WH, et al. **J Cutan Pathol** 1980 Oct;7(5):318–25

Clear epidermal cells: an artifact. Mehregan AH. **J Cutan Pathol** 1980 Jun;7(3):154–8

Angiolymphoid hyperplasia with eosinophilia. Gardner JH, et al. **J Dermatol Surg Oncol** 1981 May;7(5):414–8

Scanning electron microscopic studies on dermal skin and connective tissue disorders. Hoshino K, et al. **J Dermatol (Tokyo)** 1981 Apr;8(2):97–107

Lipoid proteinosis: in vivo and in vitro evidence for a lysosomal storage disease. Bauer EA, et al. **J Invest Dermatol** 1981 Feb;76(2):119–25

New model of a scaling dermatosis: induction of hyperproliferation in hairless mice with eicosa-5,8,11-trienoic acid. Nguyen TT, et al. **J Invest Dermatol** 1981 May;76(5):384–7

Focal dermal hypoplasia: abnormal growth characteristics of skin fibroblasts in culture. Uitto J, et al. **J Invest Dermatol** 1980 Aug;75(2):170–5

CNS involvement in malignant atrophic papulosis (Kohlmeier-Degos disease): vasculopathy and coagulopathy. Dastur DK, et al. **J Neurol Neurosurg Psychiatry** 1981 Feb;44(2):156–60

An unusual case of supraclavicular and colonic malakoplakia--a light and ultrastructural study. Chaudhry AP, et al. **J Pathol** 1980 Jul;131(3):193–208

Widespread lichen amyloidosus. Clarke J. **J R Soc Med** 1979 Jan;72(1):61–2

Association of insulinoma with subcutaneous nodular fat necrosis. Schwartz RA, et al. **J Surg Oncol** 1981; 16(4):305–11

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 44–1980. **N Engl J Med** 1980 Nov 6;303(19):1103–11

Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 27–1981. **N Engl J Med** 1981 Jul 2;305(1):33–40

The significance of electron microscopy in dermatology. Daróczy J. **Pathol Res Pract** 1980;168(1-3):36–64

[Outline of the pathology of the Langerhans cell system] Bednář B, et al. **Cesk Patol** 1980 Aug;16(3):121–5 (Eng. Abstr.) **(Cze)**

[Degos' malignant atrophic papulosis. Ultrastructural study of a new case] Bioulac P, et al. **Ann Anat Pathol (Paris)** 1980;25(2):111–24 (Eng. Abstr.) **(Fre)**

[Perforating generalized granuloma annulare. A two case study (author's transl)] Calas E, et al. **Ann Dermatol Venereol** 1980 Mar;107(3):165–9 (Eng. Abstr.) **(Fre)**

[Granuloma gluteale infantum: ultrastructural study (author's transl)] Ortonne JP, et al. **Ann Dermatol Venereol** 1980 Jul; 107(7):631–4 (Eng. Abstr.) **(Fre)**

[Transient eosinophilic nodulomatosis (author's transl)] Thivolet J, et al. **Ann Dermatol Venereol** 1980; 107(10):879–86 (Eng. Abstr.) **(Fre)**

[Poikiloderma congenitale with bullae, of the Weary type] Wallach D, et al. **Ann Dermatol Venereol** 1981;108(1):79–83 **(Fre)**

[Montgomery xanthomatosis (author's transl)] Gamby T, et al. **Arch Anat Cytol Pathol** 1981;29(1):29–35 (Eng. Abstr.) **(Fre)**

[A case of sarcoidosis of the lung and skin] Ayad M, et al. **Dakar Med** 1980;25(1):46–50 (Eng. Abstr.) **(Fre)**

[Cutaneous myxoma or cutaneous focal mucinosis (author's transl)] Decroix J, et al. **Dermatologica** 1981;162(5):368–71 (Eng. Abstr.) **(Fre)**

[Lymphomatoid granulomatosis: anatomo-clinical and ultrastructural study of two observations (author's transl)] Brambilla C, et al. **Rev Fr Mal Respir** 1980;8(5):371–81 **(Fre)**

[On the question of cutaneous changes associated with paraproteinemia. Light- and electron-microscopic study (author's transl)] Rupec M, et al. **Arch Dermatol Res** 1980; 268(2):191–206 (Eng. Abstr.) **(Ger)**

[Interdigitating cell. Cytomorphological characteristics and functional aspects (author's transl)] Klug H. **Dermatol Monatsschr** 1980 May;166(5):289–96 (20 ref.) (Eng. Abstr.) **(Ger)**

[Manifestations of porphyria cutanea tarda (letter)] Doss M. **Dtsch Med Wochenschr** 1981 Feb 13;106(7):220–1 **(Ger)**

[The ear in dermatology] Pfister R, et al. **Fortschr Med** 1980 Sep 18;98(35):1337–42 **(Ger)**

[Granuloma anulare giganteum] Mensing H, et al. **Hautarzt** 1981 May;32(5):256–7 (Eng. Abstr.) **(Ger)**

[Cutaneous histiocytosis X] Metz J, et al. **Hautarzt** 1980 Sep; 31(9):486–90 (Eng. Abstr.) **(Ger)**

[Multiple so-called granuloma telangiectaticum] Nödl F. **Hautarzt** 1980 Sep;31(9):471–7 (Eng. Abstr.) **(Ger)**

[The eyes and the skin] Reich H. **Hautarzt** 1981 Apr; 32(4):196–8 **(Ger)**

[Keratoacanthoma or carcinoma? Histological differential diagnosis] Hundeiker M. **Pathologe** 1979 Nov;1(1):50–2 **(Ger)**

[Granulomatous reactions of the skin (author's transl)] Hornstein OP, et al. **Verh Dtsch Ges Pathol** 1980;64:180–93 (Eng. Abstr.) **(Ger)**

[Pachydermoperiostosis (Touraine-Solente-Golé syndrome). Clinical and radiological differential diagnosis (author's transl)] Lubach D, et al. **Z Hautkr** 1981 Feb 1;56(3):175–86 (Eng. Abstr.) **(Ger)**

[Atypically localized persistent skin changes in erythropoietic protoporphyria (EPP)--histologic and electron microscopic findings (author's transl)] Meigel W, et al. **Z Hautkr** 1981 Apr 15;56(8):489–97 (Eng. Abstr.) **(Ger)**

[Mycosis fungoides associated with two different kinds of cancer and mucinosis follicularis (author's transl)] Weiss J, et al. **Z Hautkr** 1981 Jun 1;56(11):741–8 (Eng. Abstr.) **(Ger)**

[Acantholysis and its significance in Hailey-Hailey's disease (author's transl)] Ishibashi Y, et al. **Nippon Hifuka Gakkai Zasshi** 1980 Dec;90(14):1363–72 **(Jpn)**

[Clinical studies on purpura pigmentosa progressiva (angiodermatitis). Part I. Clinical and histopathological findings (author's transl)] Saito R. **Nippon Hifuka Gakkai Zasshi** 1980 Jul;90(8):719–25 **(Jpn)**

[Liver pathology in porphyria cutanea tarda (author's transl)] Harada T, et al. **Nippon Shokakibyo Gakkai Zasshi** 1980 Jun;77(6):908–15 (Eng. Abstr.) **(Jpn)**

[Focal acantholytic dyskeratosis in an intradermal pigmented nevus] Garcia E Silva L. **Med Cutan Iber Lat Am** 1980; 8(1-3):65–8 (Eng. Abstr.) **(Por)**

[Cutis marmorata telangiectatica congenita] Akimov VG, et al. **Vestn Dermatol Venerol** 1981 Feb;(2):12–6 (Eng. Abstr.) **(Rus)**

[Acantholytic cells in the cytodiagnosis of dermatoses] Baliavichene GR. **Vestn Dermatol Venerol** 1981 Feb; (2):40–4 (Eng. Abstr.) **(Rus)**

[Degos' disease] Sosnovskiĭ AT, et al. **Vestn Dermatol Venerol** 1980 Oct;(10):48–50 (10 ref.) (Eng. Abstr.) **(Rus)**

[Periumbilical perforating pseudoxanthoma elasticum] Fdez. Redondo V, et al. **Actas Dermosifiliogr** 1980 May-Jun; 71(5–6):197–200 (Eng. Abstr.) **(Spa)**

[Seborrheic acantholytic keratosis] Pérez-Oliva N, et al. **Actas Dermosifiliogr** 1980 Jul-Aug;71(7–8):267–8 (Eng. Abstr.) **(Spa)**

[Palisade granuloma] Pérez Sánchez C, et al. **Actas Dermosifiliogr** 1980 Nov-Dec;71(11–12):447–54 (Eng. Abstr.) **(Spa)**

[Primary cutaneous amyloidosis. Clinical features and histopathology. Its incidence in Ecuador] Carvajal Huerta L, et al. **Med Cutan Iber Lat Am** 1980;8(1-3):1–10 **(Spa)**

PHYSIOPATHOLOGY

Skin disorders in the elderly. Terlizzi MJ. **Compr Ther** 1981 Jan;7(1):22–5

Evaluation of the skin surface hydration in vivo by electrical measurement. Tagami H, et al. **J Invest Dermatol** 1980 Dec; 75(6):500–7

Increased microvascular water filtration and blood flow in extensive skin disease. Worm AM, et al. **J Invest Dermatol** 1981 Feb;76(2):110–2

Plasma and interstitial fluid volume in extensive skin disease. Worm AM, et al. **J Invest Dermatol** 1981 Feb;76(2):108–9

[So-called unilateral and linear dermatoses] Kalamkarian AA, et al. **Vestn Dermatol Venerol** 1980 Oct;(10):18–23 (17 ref.) (Eng. Abstr.) **(Rus)**

[Results of long-term follow-up of patients with porphyria cutanea tarda] Smirnov VS. **Vestn Dermatol Venerol** 1981 Mar;(3):59–62 (Eng. Abstr.) **(Rus)**

PREVENTION & CONTROL

[Advice for the dermatologist to give to a European traveling to a tropical country] Ndiaye B. **Ann Dermatol Venereol** 1981;108(1):109–11 **(Fre)**

[Preventive treatment of striae distensae during pregnancy] Walther M. **Minerva Ginecol** 1981 May;33(5):497–9 (Eng. Abstr.) **(Ita)**

PSYCHOLOGY

Dermatological non-disease: a common and potentially fatal disturbance of cutaneous body image. Cotterill JA. **Br J Dermatol** 1981 Jun;104(6):611–9

Psychocutaneous medicine: recalcitrant dermatoses seen as a transition object through the psychiatric periscope. Novak M. **Cutis** 1981 Jun;27(6):662–3

Psychosomatic dermatology. Medansky RS, et al. **Int J Dermatol** 1981 Jan-Feb;20(1):42–3

Sex and the dermatologist. Renshaw DC. **Int J Dermatol** 1980 Oct;19(8):469–71

Skin communication: early skin disorders and their effect on transference and countertransference. Pines D. **Int J Psychoanal** 1980;61(3):315–23

Dermatopsychosomatics: classification, physiology, and therapeutic approaches. Medansky RS, et al. **J Am Acad Dermatol** 1981 Aug;5(2):125–36 (74 ref.)

Dermatological non-disease [editorial] **Lancet** 1981 Aug 15; 2(8242):348

Disfigurement: something to face up to. Trust D. **Med Times** 1981 Jul;109(7):88–92

[Psyche and skin (author's transl)] Cermak T. **Wien Klin Wochenschr** 1980 Sep 26;92(18):641–50 (Eng. Abstr.) **(Ger)**

[The psychosocial status of the chronically ill child] Dietrich J. **Z Aerztl Fortbild (Jena)** 1980 Oct 1;74(19):933–4 **(Ger)**

RADIOGRAPHY

Osteosarcoma in a boy with Rothmund–Thomson syndrome. Kozlowski K, et al. **Pediatr Radiol** 1980 Sep;10(1):42–5

[Xerographic studies in the dermatology field] Sanna G, et al. **Radiol Med (Torino)** 1979 Sep;65(9):648–9 **(Ita)**

[Case of interstitial calcinosis] Fedoseev VA. **Vestn Rentgenol Radiol** 1981;(3):66–7 **(Rus)**

RADIONUCLIDE IMAGING

Cutaneous localization of Ga–67 in systemic sarcoidosis. Rohatgi PK. **Clin Nucl Med** 1981 Mar;6(3):109–11

RADIOTHERAPY

FDA recommendations on ionizing radiation therapy of benign diseases [editorial] Goldschmidt H. **J Am Acad Dermatol** 1980 Sep;3(3):307

[Topical comments on phototherapy and photochemotherapy (author's transl)] Tronnier H. **Cesk Dermatol** 1980; 55(6):403–9 **(Cze)**

SURGERY

The use of an autologous split skin flap in treatment of delayed radiation injuries of the skin. Bardytchev MS, et al. **Acta Chir Plast (Prague)** 1980;22(2):73–9

Advances in dermatologic surgery. Friederich. **Actas Dermosifiliogr** 1981 Jan-Feb;72(1–2):21–4

Palatopharyngeal and lower extremity soft tissue loss in an infant secondary to Pseudomonas gangrenous cellulitis. Schuster DI. **Ann Plast Surg** 1981 Feb;6(2):138–41

Surgical treatment of subcutaneous calcifications of polymyositis or dermatomyositis. Shearin JC, et al. **Ann Plast Surg** 1980 Nov;5(5):381–5

Effect of low-power density laser radiation on healing of open skin wounds in rats. Kana JS, et al. **Arch Surg** 1981 Mar;116(3):293–6

Removal of warts. Entwisle B. **Aust Fam Physician** 1980 Aug; 9(8):536–8

Cryosurgery in the treatment of lichen sclerosus et atrophicus of the vulva. August PJ, et al. **Br J Dermatol** 1980 Dec; 103(6):667–70

Results of closure of pharyngocutaneous fistulae. Hawkes AC, et al. **Clin Otolaryngol** 1980 Aug;5(4):249–53

Spontaneous appendicocutaneous fistula: case report and literature review. Nanni G, et al. **Dis Colon Rectum** 1981 Apr;24(3):187–90

The laser in dermatology. Goldman L. **Int J Dermatol** 1980 Jul–Aug;19(6):329–31

Mucoid cysts of the fingers. Differential diagnosis, ultrastructure, and surgical treatment. Armijo M. **J Dermatol Surg Oncol** 1981 Apr;7(4):317–22

How a lone surgeon may secure satisfactory traction on the skin during incision. Au YF. **J Dermatol Surg Oncol** 1980 Nov;6(11):911–3

Extirpation of keratoacanthomas by blunt dissection. Habif TP. **J Dermatol Surg Oncol** 1980 Aug;6(8):652–4

Extirpation of subungual and periungual warts by blunt dissection. Habif TP, et al. **J Dermatol Surg Oncol** 1981 Jul;7(7):553–5

Concurrent excision and undermining of skin. Hill TG. **J Dermatol Surg Oncol** 1980 Aug;6(8):616

On the long-term behavior of grafts of meshed skin. Horn W. **J Dermatol Surg Oncol** 1980 Nov;6(11):946–8

More surgical gems. Excisions of eyelid lesions by scissors without closure by sutures. Shelley WB, et al. **J Dermatol Surg Oncol** 1980 Dec;6(12):1039–41

Management of cardiocutaneous fistulas [letter] McCormick JR, et al. **J Thorac Cardiovasc Surg** 1981 Feb;81(2):317–8

The argon laser for cutaneous lesions. Apfelberg DB, et al. **JAMA** 1981 May 22–29;245(20):2073–5

Argon laser destruction of cutaneous telangiectatic lesions. Lyons GD, et al. **Laryngoscope** 1981 Aug;91(8):1322–5

Hematoma postrhytidectomy: how we treat it. Pitanguy I, et al. **Plast Reconstr Surg** 1981 Apr;67(4):526–9

The use of slide–swing plasty in closing skin defects: a clinical study based on 1,308 cases. Schrudde J, et al. **Plast Reconstr Surg** 1981 Apr;67(4):467–81

[Xeroderma pigmentosum. Apropos of 12 surgical cases with malignant degeneration] Mouly R, et al. **Ann Chir Plast** 1980;25(2):117–25 (Eng. Abstr.) **(Fre)**

[Exposed intestinal fistulas in evisceration. Prevention and surgical treatment] Fagniez PL, et al. **Med Chir Dig** 1980; 9(4):291–2 **(Fre)**

[Exposed fistulas of the small bowel in evisceration. Bilateral exclusion treatment] Maillet P. **Med Chir Dig** 1980; 9(4):305–6 **(Fre)**

[Surgical dermatology. Punch surgery, dermabrasion, dermashaving and dermatomy] Friederich HC. **Med Welt** 1981 May 1;32(18):691–8 **(Ger)**

[A new dermato-surgical therapy for the Favre–Racouchot syndrome (author's transl)] Strempel H. **Z Hautkr** 1981 Feb 15;56(4):209–14 (Eng. Abstr.) **(Ger)**

[Cryosurgery in dermatology. I. Basic principles] Picoto A da S, et al. **Actas Dermosifiliogr** 1981 Jan–Feb;72(1–2):5–12 **(Por)**

[Temporary closing of external lip-shaped intestinal fistulae] Udod VM. **Vestn Khir** 1980 Nov;125(11):48–52 (Eng. Abstr.) **(Rus)**

THERAPY

The pruritic dermatoses. Nardacci AW. **Compr Ther** 1981 Jan;7(1):50–6

Ostomy skin care. Rothstein MS. **Cutis** 1980 Aug;26(2):200–3

Common skin problems in children. Tunnessen WW Jr. **Del Med J** 1980 Oct;52(10):533–6

Treatment of fistula by parenteral nutrition [letter] Allan R. **Gastroenterology** 1981 Jan;80(1):215–6

Management of common skin disorders in children. Bhutani LK, et al. **Indian J Pediatr** 1980 Sept–Oct;47(388):427–30

Patterns of porphyrin excretion in porphyria cutanea tarda under venesection treatment. Enriquez de Salamanca R, et al. **Int J Biochem** 1980;12(5–6):861–8

Therapeutic briefs. I. Thiers B. **J Am Acad Dermatol** 1980 Nov;3(5):533–7

Interferon: status in treatment of skin disease. Yancey KB, et al. **J Am Acad Dermatol** 1980 Dec;3(6):585–95

Surgical gem. Intralesional electrodesiccation with a 30-gauge needle. Au YF. **J Dermatol Surg Oncol** 1981 Mar; 7(3):190–1

Phototherapy and photochemotherapy of skin diseases. Parrish JA. **J Invest Dermatol** 1981 Jul;77(1):167–71

Stomal care in pharyngocutaneous fistulas. Belisle G, et al. **J Otolaryngol** 1980 Oct;9(5):399–404

Plasma exchange in treatment of leucocytoclastic vasculitis. Cohen J, et al. **J R Soc Med** 1980 Jun;73(6):457–60

The current management of external fistulas. Hari Rajah S, et al. **Med J Malaysia** 1980 Dec;35(2):155–61

Dermatological treatment. MacKenna RM. **Practitioner** 1980 May;224(1343):517–21

[Treatment of a case of porphyria cutanea tarda by plasmapheresis] Dupré A, et al. **Ann Dermatol Venereol** 1980 Jul;107(7):693–5 **(Fre)**

[Laser in dermatology: biological effects; indications (author's transl)] Rotteleur G, et al. **Ann Dermatol Venereol** 1981; 108(4):343–4, 347–53 (Eng. Abstr.) **(Fre)**

[Serious enterocutaneous fistulas. Reinstillation of digestive chyme apropos of 16 cases] Berta JL, et al. **Med Chir Dig** 1980;9(4):321 **(Fre)**

[Exposed fistulas of the small bowel in childhood (25 cases)] Fekete CN, et al. **Med Chir Dig** 1980;9(4):299–302 **(Fre)**

[Exposed intestinal fistulas in evisceration. Place of parenteral nutrition] Gouzi JL, et al. **Med Chir Dig** 1980;9(4):313–5 **(Fre)**

[Intestinal fistulas in evisceration. Therapeutic considerations apropos of 10 cases] Hollender LF, et al. **Med Chir Dig** 1980;9(4):309–10 **(Fre)**

[Exposed fistulas of the small bowel. Possibilities and limitations of non-operative treatment] Rignault D, et al. **Med Chir Dig** 1980;9(4):295–6 **(Fre)**

[Experience in the treatment of external intestinal fistulas] Capizzi FD, et al. **Schweiz Med Wochenschr** 1981 Jun 20; 111(25):930–4 (Eng. Abstr.) **(Fre)**

[Standardized treatment of superficial cutaneous lesions in preschool children] Bourlard C, et al. **Tunis Med** 1979 Mar–Jun;57(2–3):141–5 **(Fre)**

[Selected therapeutical problems for dermatological practice (author's transl)] Sönnichsen N. **Dermatol Monatsschr** 1980 Aug;166(8):513–22 (31 ref.) (Eng. Abstr.) **(Ger)**

[New developments in American dermatology] Hollander A. **Hautarzt** 1981 Mar;32(3):11–8 **(Ger)**

[Spontaneous broncho–bilio–cutaneous fistula] Lange VA. **Zentralbl Chir** 1980;105(4):236–7 **(Ger)**

[Local therapy of skin diseases in children. Essential and nonessential local therapy of skin diseases in children] Wiskemann A. **ZFA (Stuttgart)** 1981 Feb 28;57(6):423–6 **(Ger)**

[Repeated venesection in pseudoporphyria cutanea tarda of hemodialysis (author's transl)] Pecchini F, et al. **Ateneo Parmense [Acta Biomed]** 1980;51(5):439–43 (Eng. Abstr.) **(Ita)**

[Applications of Matsesta water in the overall health resort therapy of children with dermatoses] Artem'ev VI, et al. **Vestn Dermatol Venerol** 1981 Feb;(2):62–5 (Eng. Abstr.) **(Rus)**

[Use of a reflex acupuncture therapy method in the practical treatment of dermatologic patients] Denisiuk AB, et al. **Vrach Delo** 1980 Jul;(7):95 **(Rus)**

[Multiple applications of closed permanent wet dressings. Their mode of action] Mirande LM, et al. **Med Cutan Iber Lat Am** 1981;9(1):67–71 (Eng. Abstr.) **(Spa)**

URINE

Studied on the excretion pattern of porphyrins and its use as a tool for diagnosing both symptomatic and asymptomatic cases of porphyria cutanea tarda. Magnin PH, et al. **Int J Biochem** 1980;12(5–6):873–7

The prophyrins of normal human urine, with a comparison of the excretion pattern in porphyria cutanea tarda. Smith SG, et al. **Int J Biochem** 1980;12(5–6):1081–4

VETERINARY

The treatment of scaly face and scaly leg in budgerigars [letter] Mason K. **Aust Vet J** 1980 Aug;56(8):400

Investigative techniques in small animal clinical dermatology. Thoday KL. **Br Vet J** 1981 Mar–Apr;137(2):133–54 (17 ref.)

Porcine xenografts for treatment of skin defects in horses. Diehl M, et al. **J Am Vet Med Assoc** 1980 Oct 1; 177(7):625–8

Caprine dermatologic problems: a review. Smith MC. **J Am Vet Med Assoc** 1981 Apr 1;178(7):724–9 (39 ref.)

Skin disease in cats. **Mod Vet Pract** 1980 Aug;61(8):715–6

Dermatologic problems in horses. **Mod Vet Pract** 1981 Jan; 62(1):75–6

Reproduction of the Oily Bird Syndrome in broilers. Jensen LS, et al. **Poult Sci** 1980 Oct;59(10):2256–66

Cryosurgical treatment of skin diseases. Krahwinkel DJ Jr. **Vet Clin North Am [Small Anim Pract]** 1980 Nov; 10(4):787–801 (14 ref.)

Canine epidermotropic lymphoproliferative disease resembling pagetoid reticulosis in man. Johnson JA, et al. **Vet Pathol** 1981 Jul;18(4):487–93

Evaluation of two cuprimyxin formulations in the treatment of cutaneous and ophthalmic infections in horses and cattle. Maestrone G, et al. **VM SAC** 1980 Aug;75(8):1307–11

[Eaux-aux-jambes in Equidae. Apropos of the 1st Tunisian cases] Zarrouk K, et al. **Arch Inst Pasteur Tunis** 1979 Dec; 56(4):359–70 **(Fre)**

SKIN DISEASES, BULLOUS

Desquamative gingivitis: a form a cicatricial pemphigoid? [letter] Forman L, et al. **Br J Dermatol** 1980 Dec; 103(6):705–6

Ocular pemphigus. Abboud IA, et al. **J Egypt Med Assoc** 1978;61(7–8):511–22

Ocular cicatricial pemphigoid. Mondino BJ, et al. **Ophthalmology (Rochester)** 1981 Feb;88(2):95–100

BLOOD

[Trypsin- and chymotrypsin-inhibiting capacity of the serum in bullous pemphigoid] Lohrisch I, et al. **Dermatol Monatsschr** 1980 Nov;166(11):755–6 **(Ger)**

CHEMICALLY INDUCED

Pemphigus-like lesions induced by D-penicillamine. Analysis of clinical, histopathological, and immunofluorescence features in 34 cases. Santa Cruz DJ, et al. **Am J Dermatopathol** 1981 Spring;3(1):85–92

Drug-induced anogenital cicatricial pemphigoid. van Joost T, et al. **Br J Dermatol** 1980 Jun;102(6):715–8

Drug induced bullous eruptions. **Br Med J [Clin Res]** 1981 Feb 7;282(6262):421–2

Penicillamine-associated pemphigus: is it really pemphigus? Troy JL, et al. **J Am Acad Dermatol** 1981 May;4(5):547–55

[Bullous eruptions due to Nalidixic acid (author's transl)] Wolf A. **Z Hautkr** 1981 Jan 15;56(2):109–17 (Eng. Abstr.) **(Ger)**

[Effect of drugs and ultraviolet rays on the development of pemphigoid] Lutowiecka-Wranicz A, et al. **Przegl Dermatol** 1980 Sep–Oct;67(5):641–6 (37 ref.) **(Pol)**

COMPLICATIONS

Mixed form of dermatitis herpetiformis and bullous pemphigoid. Falk ES, et al. **Acta Derm Venereol (Stockh)** 1980;60(3):229–34

Cellular events leading to blister formation in bullous pemphigoid. Dubertret L, et al. **Br J Dermatol** 1980 Dec; 103(6):615–24

Herpes gestationis and bullous pemphigoid: a disease spectrum. Holmes R, et al. **Br J Dermatol** 1980 Nov; 103(5):535–41

Bullous pemphigoid, polymyalgia rheumatica and thyroid disease. How J, et al. **Br J Dermatol** 1980 Aug;103(2):201–4

Cutaneous carcinoma arising in erosive pustular dermatosis of the scalp. Lovell CR, et al. **Br J Dermatol** 1980 Sep; 103(3):325–8

Coexistent atypical bullous pemphigoid and systemic lupus erythematosus. Szabó E, et al. **Br J Dermatol** 1981 Jan; 104(1):71–5

Lichen planus pemphigoides: entity or association? Souteyrand P, et al. **Dermatologica** 1981;162(5):414–6

Bullous amyloidosis. Beacham BE, et al. **J Am Acad Dermatol** 1980 Nov;3(5):506–10

Subepidermal bullous disease and glomerulonephritis in a child. Chappe SG, et al. **J Am Acad Dermatol** 1981 Sep; 5(3):280–9

Bullous pemphigoid and rheumatoid arthritis. Giannini JM, et al. **J Am Acad Dermatol** 1981 Jun;4(6):695–7

Herpes gestationis. A possible association with autoimmune

thyrotoxicosis (Graves' disease). Holmes RC, et al. **J Am Acad Dermatol** 1980 Nov;3(5):474–7

[Seronegative polyarthritis, pyoderma gangrenosum and bullous eruptions] Chouvet B, et al. **Ann Dermatol Venereol** 1980 Jun;107(6):573–8 **(Fre)**

[Association of atopic eczema, IgA linear bullous dermatosis and crusted scabies] Leroy D, et al. **Ann Dermatol Venereol** 1980;107(10):933–6 **(Fre)**

[Oculocutaneous bullous diseases] Mollard S, et al. **Bull Soc Ophtalmol Fr** 1979 Oct;79(10):871–6 **(Fre)**

[Dysphagia due to oesophageal in benign mucous membrane pemphigoid (author's transl)] Kammerer J, et al. **J Radiol** 1980 Mar;61(3):181–3 (Eng. Abstr.) **(Fre)**

[Association of papulous mucinosis and systemic lupus erythematosus with membranous glomerulonephritis] Pérez-García R, et al. **Rev Clin Esp** 1980 Dec 15;159(5):359–62 **(Spa)**

DIAGNOSIS

Pemphigus and pemphigoid. Matsuoka LY. **Am Fam Physician** 1981 Aug;24(2):113–5

Bullous dermatoses of pregnancy. Honeyman JF, et al. **Arch Dermatol** 1981 May;117(5):264–7

Suction blisters mimicking pemphigoid: an unusual case of dermatitis artefacta. Dufton P, et al. **Clin Exp Dermatol** 1981 Mar;6(2):163–6

Bullous pemphigoid in a one hundred year old woman. Neufeld R, et al. **Cutis** 1980 Sep;26(3):290–2

Vesicular pemphigoid. Gruber GG, et al. **J Am Acad Dermatol** 1980 Dec;3(6):619–22

Brunsting-Perry cicatricial pemphigoid associated with bullous pemphigoid. Hanno R, et al. **J Am Acad Dermatol** 1980 Nov;3(5):470–3

Bullous amyloidosis vs epidermolysis bullosa acquisita [letter] Bluhm JF 3d. **JAMA** 1981 Jan 2;245(1):32

Cicatricial pemphigoid: direct and indirect immunofluorescent studies. Laskaris G, et al. **Oral Surg** 1981 Jan;51(1):48–54

[Pemphigoid manifesting as a cicatricial lesion] Bonnetblanc JM, et al. **Ann Dermatol Venereol** 1980;107(10):951 **(Fre)**

[Ocular pemphigoid] Lagoutte F. **Bull Soc Ophtalmol Fr** 1979 Oct;79(10):857–60 **(Fre)**

[Epidermolysis bullosa acquisita? Cicatricial pemphigoid?] Dimitrowa J, et al. **Z Hautkr** 1980 Dec 15;55(24):1620–8 **(Ger)**

[Impetigo neonatorum congenita caused by B-streptococci (author's transl)] Kunze W. **Zentralbl Gynaekol** 1980; 102(18):1075–6 (Eng. Abstr.) **(Ger)**

[Diabetic bullous skin disease] Pietraszek F, et al. **Pol Tyg Lek** 1980 Jun 2;35(22):831–2 (Eng. Abstr.) **(Pol)**

[Cicatricial pemphigoid (Brunsting-Perry)] Bogdaszewska-Czabanowska J, et al. **Przegl Dermatol** 1980;67(6):773–7 (Eng. Abstr.) **(Pol)**

[Linear IgA bullous dermatosis (author's transl)] Chorzelski T, et al. **Przegl Dermatol** 1980 Sep–Oct;67(5):533–9 (Eng. Abstr.) **(Pol)**

[Clinical characteristics of herpetiform dermatitis and bullous pemphigoid] Sheklakova MN. **Vestn Dermatol Venerol** 1980 Nov;(11):39–41 (Eng. Abstr.) **(Rus)**

[Benign chronic bullous dermatitis of children] Soto Melo J, et al. **Actas Dermosifiliogr** 1980 Nov–Dec; 71(11–12):423–8 **(Spa)**

DRUG THERAPY

Oral retinoid (Ro 10–9359) in children with lamellar ichthyosis, epidermolytic hyperkeratosis and symmetrical progressive erythrokeratoderma. Tamayo L, et al. **Dermatologica** 1980;161(5):305–14

When and how to use sulfones in bullous diseases. Jablonska S, et al. **Int J Dermatol** 1981 Mar;20(2):103–5

Disabling errors of skin keratinization. Ichthyosiform erythrodermas and the 'half-baby syndrome' treated with an aromatic retinoid. Findlay GH. **S Afr Med J** 1981 May 9;59(20):717–20

[Combined retinoid and UV-phototherapy in pustulosis subcornealis (Sneddon-Wilkinson)] Lubach D, et al. **Hautarzt** 1980 Oct;31(10):545–7 (Eng. Abstr.) **(Ger)**

ETIOLOGY

A severe bullous eruption occurring in a patient with chronic active hepatitis and glomerulonephritis. Breathnach SM, et al. **Arch Dermatol** 1980 Sep;116(9):1061–3

Bullous eruption of diabetes mellitus. A case with positive immunofluorescence microscopy findings. James WD, et al. **Arch Dermatol** 1980 Oct;116(10):1191–2

Bullous scleroderma. Synkowski DR, et al. **Arch Dermatol** 1981 Mar;117(3):135–7

Bullous pemphigoid as a manifestation of chronic lymphocytic leukemia. Goodnough LT, et al. **Arch Intern Med** 1980 Nov;140(11):1526–7

Herpes gestationis and bullous pemphigoid: a disease spectrum. Holmes R, et al. **Br J Dermatol** 1980 Nov; 103(5):535–41

IgA bullous pemphigoid: a distinct blistering disorder. Case report and review of the literature. Jones RR, et al. **Br J Dermatol** 1980 Jun;102(6):719–25

Bullous dermatosis of hemodialysis. Olmstead CB, et al. **Cutis** 1981 Jun;27(6):614–6, 618

Internal disorders associated with bullous disease of the skin. A critical review. Callen JP. **J Am Acad Dermatol** 1980 Aug;3(2):107–19 (149 ref.)

[Staphylococcal bullous exfolliations: physiopathogenic approach] Guillet G, et al. **Agressologie** 1979;20(4):229–31 (Eng. Abstr.) **(Fre)**

[Organ culture studies on the pathogenic mechanisms of bullous pemphigoid (author's transl)] Naito K, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Mar;91(4):497–500 **(Jpn)**

[Multiple bullae formation in a patient with SLE (author's transl)] Takahashi Y, et al. **Ryumachi** 1980 Sep;20(4):260–7 (Eng. Abstr.) **(Jpn)**

[Glucagonoma syndrome--a manifestation of neoplastic process] Clszewska Z, et al. **Przegl Dermatol** 1980 Sep–Oct; 67(5):647–52 **(Pol)**

[Papulous mucinosis or scleromyxedema. Etiopathogenic, diagnostic and therapeutic aspects] Pérez-García R, et al. **Rev Clin Esp** 1980 Dec 15;159(5):313–5 **(Spa)**

FAMILIAL & GENETIC

[Bullous and hereditary Weary-Kindler's acrokeratotic poikiloderma (author's transl)] Larrègue M, et al. **Ann Dermatol Venereol** 1981;108(1):69–76 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Herpes gestationis associated with the C3 nephritic factor. Grimwood R, et al. **Arch Dermatol** 1980 Sep;116(9):1045–7

Chronic bullous disease with coexistent circulating IgG and IgA anti-basement membrane zone antibodies. Miyagawa S, et al. **Arch Dermatol** 1981 Jun;117(6):349–53

Herpes gestationis in association with a hydatidiform mole. Immunopathologic studies. Tindall JG, et al. **Arch Dermatol** 1981 Aug;117(8):510–2

Herpes gestationis and anti-HLA immunization. Eberst E, et al. **Br J Dermatol** 1981 May;104(5):553–9

Bullous pemphigoid: the frequency of mucosal involvement and concurrent malignancy related to indirect immunofluorescence findings. Hodge L, et al. **Br J Dermatol** 1981 Jul;105(1):65–9

Immunopathological and clinical studies in herpes gestationis. Foidart JM, et al. **Br J Obstet Gynaecol** 1981 Feb; 88(2):153–9

Characterization of bullous pemphigoid antigen: a unique basement membrane protein of stratified squamous epithelia. Stanley JR, et al. **Cell** 1981 Jun;24(3):897–903

Relationship of beta 1H globulin and cleavage fragments of the third component of complement in the skin of patients with bullous pemphigoid and dermatitis herpetiformis. Gammon WR, et al. **Clin Immunol Immunopathol** 1981 Jul; 20(1):21–30

Benign mucous membrane pemphigoid: immunopathological study of three cases. Fabbri P, et al. **Ital Gen Rev Dermatol** 1978 Jan–Apr;15(1):17–24

High frequency of histocompatibility antigens HLA-DR3 and DR4 in herpes gestations. Shornick JK, et al. **J Clin Invest** 1981 Aug;68(2):553–5

Autoantibodies to basement membrane collagen: epidermolysis bullosa simplex versus bullous pemphigoid. Gay S, et al. **J Cutan Pathol** 1980 Oct;7(5):315–7

Pemphigoid antibody mediated attachment of peripheral blood leukocytes at the dermal-epidermal junction of human skin. Gammon WR, et al. **J Invest Dermatol** 1980 Oct;75(4):334–9

Leukocyte chemotaxis to the dermal-epidermal junction of human skin mediated by pemphigoid antibody and complement: mechanism of cell attachment in the in vitro leukocyte attachment method. Gammon WR, et al. **J Invest Dermatol** 1981 Jun;76(6):514–22

Some biochemical properties of pemphigoid antigen bound to the surface of dissociated epidermal basal cells. Grekin PM, et al. **J Invest Dermatol** 1981 Mar;76(3):190–2

The complement system in bullous pemphigoid: VII. Fixation of the regulatory protein beta 1H globulin by pemphigoid antibody. Lee CW, et al. **J Invest Dermatol** 1980 Dec; 75(6):465–9

Detection of pemphigoid antigen, pemphigus antigen, and keratin filaments by indirect immunofluorescence in cultured human epidermal cells. Stanley JR, et al. **J Invest Dermatol** 1980 Aug;75(2):183–6

Immuno-electron microscopical investigations with a new tracer: peroxidase-labeled protein A: application for detection of pemphigus and bullous pemphigoid antibodies. Trost TH, et al. **J Invest Dermatol** 1980 Oct;75(4):328–30

Bullous pemphigoid antigen synthesized in vitro by human epidermal cells. Woodley D, et al. **J Invest Dermatol** 1980 Aug;75(2):148–51

Linear IgA dapsone responsive bullous dermatosis. Wojnarowska F. **J R Soc Med** 1980 May;73(5):371–3

Immunopathology of oral mucosa in bullous pemphigoid. Laskaris G, et al. **Oral Surg** 1980 Oct;50(4):340–5

Mast cell-dependent effector pathways and cutaneous bullous disorders. Wintroub BU, et al. **Springer Semin Immunopathol** 1981 Jun;4(1):65–72 (29 ref.)

[The significance of antibody determination in the diagnosis of pemphigus and pemphigoid in the oral cavity using the indirect immunofluorescence method] Dřízhal I, et al. **Cesk Stomatol** 1981 Mar;81(2):94–9 (Eng. Abstr.) **(Cze)**

[Immunopathology of dermatitis herpetiformis and bullous pemphigoid (author's transl)] Bonerandi JJ, et al. **Ann Dermatol Venereol** 1980 Mar;107(3):201–12 (69 ref.) (Eng. Abstr.) **(Fre)**

[Herpes gestationis: antibasal cell antibodies in five out of sixteen cases (author's transl)] Didierjean L, et al. **Ann Dermatol Venereol** 1980;107(11):1015–21 (Eng. Abstr.) **(Fre)**

[Correlation between immunologic reactivity and the clinical development in a case of bullous pemphigoid (letter)] Renoux M, et al. **Ann Dermatol Venereol** 1980; 107(11):1095–6 **(Fre)**

[On the autoimmune pathogenesis of bullous pemphigoid. Review of the literature and our results (author's transl)] Haustein UF, et al. **Dermatol Monatsschr** 1980 Sep; 166(9):585–98 (Eng. Abstr.) **(Ger)**

[HLA alleles in parapemphigus] Lohrisch I, et al. **Dermatol Monatsschr** 1980 Apr;166(4):247–8 (Eng. Abstr.) **(Ger)**

[HLA antigens and autoimmunebullous disease among Japanese (author's transl)] Hashimoto K. **Nippon Hifuka Gakkai Zasshi** 1980;90(5):405–10 **(Jpn)**

[Herpes gestationis] Román P, et al. **Actas Dermosifiliogr** 1980 Nov–Dec;71(11–12):429–34 (Eng. Abstr.) **(Spa)**

MICROBIOLOGY

Bullous impetigo caused by Streptococcus salivarius: a case report. Brook I. **J Clin Pathol** 1980 Nov;33(11):1099–101

[Bullous varicella. Association of varicella and a childhood scalded-skin syndrome] Peyramond D, et al. **Arch Fr Pediatr** 1979 Nov;36(9):922–5 (Eng. Abstr.) **(Fre)**

MORTALITY

Some factors affecting prognosis in pemphigus vulgaris and pemphigoid. Savin JA. **Br J Dermatol** 1981 Apr; 104(4):415–20

PATHOLOGY

The relationship of epidermolysis bullosa acquisita to cicatricial pemphigoid. Reed RJ. **Am J Dermatopathol** 1981 Spring;3(1):69–72

Nevus comedonicus with epidermolytic hyperkeratosis. A report of four cases. Barsky S, et al. **Arch Dermatol** 1981 Feb;117(2):86–8

Bullous amyloidosis. Case report with ultrastructural studies. Bluhm JF 3d, et al. **Arch Dermatol** 1980 Oct;116(10):1164–8

Bullous dermatosis vs amyloidosis [letter] Bluhm JF 3d. **Arch Dermatol** 1981 May;117(5):252

Pemphigoid vegetans. Report of a case. Kuokkanen K, et al. **Arch Dermatol** 1981 Jan;117(1):56–7

Cicatricial pemphigoid in a patient with systemic lupus erythematosus. Redman RS, et al. **Arch Dermatol** 1981 Feb; 117(2):109–10

Cicatricial pemphigoid in a four-year-old child: A case report. Rogers M, et al. **Australas J Dermatol** 1981 Apr; 22(1):21–3

A study of benign chronic bullous dermatosis of childhood and comparison with dermatitis herpetiformis and bullous pemphigoid occurring in childhood. Marsden RA, et al. **Clin Exp Dermatol** 1980 Jun;5(2):159–76

Generalized bullous orf. Kahn D, et al. **Int J Dermatol** 1980 Jul–Aug;19(6):340–1

Case 32, part 2. Cicatricial pemphigoid (benign mucous membrane pemphigoid). Marx RE, et al. **J Oral Surg** 1980 Nov;38(11):834–40

Case 32, part 1. Marx RE, et al. **J Oral Surg** 1980 Oct; 38(10):774–7

Desquamative gingivitis in a 13-year-old male. Case report. Barnett ML, et al. **J Periodontol** 1981 May;52(5):270–4

Suprabasal bulla in mycetoma. Kamalam A, et al. **Mykosen** 1981 Jan;24(1):43–6

[Herpes gestationis. A histological and electron microscopic study (author's transl)] Kint A, et al. **Ann Dermatol Venereol** 1980;107(12):1133–42 (23 ref.) (Eng. Abstr.) **(Fre)**

[Poikiloderma congenitale with bullae, of the Weary type] Wallach D, et al. **Ann Dermatol Venereol** 1981;108(1):79–83 **(Fre)**

[Oral manifestations of various bullous dermatoses] Roth JJ, et al. **Rev Odontostomatol (Paris)** 1980 Jul–Aug;9(4):45–9 **(Fre)**

[An unusual pattern of bullous mucinosis of the skin in Hashimoto thyroiditis (author's transl)] Schuppli R, et al. **Dermatologica** 1981;162(4):307–12 (Eng. Abstr.) **(Ger)**

[Disseminated cicatricial pemphigoid] Braun-Falco O, et al. **Hautarzt** 1981 May;32(5):233–9 (Eng. Abstr.) **(Ger)**

[Ultrastructural and immuno-electron-microscopic studies in linear IgA bullous dermatosis] Dąbrowski J, et al. **Przegl Dermatol** 1980 Sep–Oct;67(5):541–8 (Eng. Abstr.) **(Pol)**

[Bullous pemphigoid. Presentation of a localized case with urticariform papulous lesions and a possible relation to visceral neoplasia] Casado Jiménez M, et al. **Actas Dermosifiliogr** 1981 Jan–Feb;72(1–2):43–8 **(Spa)**

[Acute neutrophilic dermatosis] Robledo A, et al. **Actas Dermosifiliogr** 1981 Jan–Feb;72(1–2):49–50 **(Spa)**

[A hereditary mechanobullous diseases: histopathological clinical analysis of 2 cases] Zolezzi P, et al. **Rev Chil Pediatr** 1981 Jan–Feb;52(1):65–8 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

[Herpes gestationis and prolactin] Bazex J, et al.

Ann Dermatol Venereol 1981;108(2):173–4 **(Fre)**
[Herpes gestationis (author's transl)] Pehamberger H, et al. **Z Geburtshilfe Perinatol** 1980 Apr;184(2):133–41 (Eng. Abstr.) **(Ger)**

THERAPY

Plasma exchange in herpes gestationis. Van de Wiel A, et al. **Br Med J** 1980 Oct 18;281(6247):1041–2
[Plasmapheresis in the treatment of bullous skin diseases] Neumann E, et al. **Przegl Dermatol** 1980 Jul–Aug; 67(4):487–92 (Eng. Abstr.) **(Pol)**

VETERINARY

Pemphigus and pemphigoid in dog and man: comparative aspects. Scott DW, et al. **J Am Acad Dermatol** 1981 Aug; 5(2):148–67 (59 ref.)
Bullous pemphigoid refractory to recommended dosage of prednisolone in a dog. Turnwald GH, et al. **J Am Vet Med Assoc** 1981 Sep 15;179(6):587–91
Subcorneal pustular dermatosis seen in dogs [letter] Baker KP. **Vet Rec** 1980 May 3–17;106(18–20):420
Bullous autoimmune skin disease in the dog: (2) immunopathological assessment. Bennett D, et al. **Vet Rec** 1980 Jun 21;106(25):523–5
Bullous autoimmune skin disease in the dog: (1) clinical and pathological assessment. Bennett D, et al. **Vet Rec** 1980 Jun 14;106(24):497–503

SKIN DISEASES, INFECTIOUS

see related
POXVIRUS INFECTIONS

COMPLICATIONS

Interferon treatment of skin cancer in patients with epidermodysplasia verruciformis [letter] Blanchet-Bardon C, et al. **Lancet** 1981 Jan 31;1(8214):274
[Relapsing infections associated with high serum IgE levels Buckley's syndrome (author's transl)] Perraudin ML, et al. **Nouv Presse Med** 1980 May 17;9(22):1571–5 (Eng. Abstr.) **(Fre)**

DIAGNOSIS

Cytomegalic inclusion disease of the skin. Lin CS, et al. **Arch Dermatol** 1981 May;117(5):282–4
Orf: report of a case. Cutler TP. **Clin Exp Dermatol** 1981 Mar;6(2):205–8
Primary extragenital cutaneous gonorrhea. Fitzpatrick JE, et al. **Cutis** 1981 May;27(5):479–80
Escherichia coli infection of the finger. A possible cause of dermatitis repens. Lockshin NA. **Cutis** 1980 Sep;26(3):274
Arthritis/dermatitis syndrome–Part II. Layfer LF, et al. **IMJ** 1980 Oct;158(4):179–80
An unusual and fatal case of disseminated cutaneous herpes simplex. Infection in a patient with cutaneous T cell lymphoma (mycosis fungoides). Goldgeier MH, et al. **J Am Acad Dermatol** 1981 Feb;4(2):176–80
'Fish fanciers' finger': tropical fish-tank granuloma. Hugh TB, et al. **Med J Aust** 1981 Jun 13;1(12):614–5
Cutaneous cryptococcosis mimicking gram-positive cellulitis in a renal transplant patient. Mayers DL, et al. **South Med J** 1981 Aug;74(8):1032–3
[Primary perianal actinomycosis] Grigoriu D, et al. **Ann Dermatol Venereol** 1981;108(2):159–61 **(Fre)**
[Tinea of the groin crease] Panaccio F. **Union Med Can** 1981 Jun;110(6):536–7 **(Fre)**
[NBT-test in bacterial and fungal dermatoses (author's transl)] Volkmer M, et al. **Dermatol Monatsschr** 1981 Jan; 167(1):6–11 (Eng. Abstr.) **(Ger)**
[Diagnosis of human Nocardia infection by current methods] Mordarska H, et al. **Med Dosw Mikrobiol** 1980;32(2):93–101 (Eng. Abstr.) **(Pol)**
[Anthrax in the differential diagnosis of surgical skin infections] Kapitanović M, et al. **Acta Chir Iugosl** 1980;27 Suppl 1:109–16 **(Scr)**

DRUG THERAPY

Cefaclor in management of streptococcal pharyngitis, otitis media, and skin infections. Kammer RB. **Ann Otol Rhinol Laryngol [Suppl]** 1981 May–Jun;90(3 Pt 3 Suppl 84):79–81
Antiviral activity of Win 41258-3, a pyrazole compound, against herpes simplex virus in mouse genital infection and in guinea pig skin infection. Pancic F, et al. **Antimicrob Agents Chemother** 1981 Mar;19(3):470–6
Pitted keratolysis: a new form of treatment [letter] Burkhart CG. **Arch Dermatol** 1980 Oct;116(10):1104
Sporotrichoid Mycobacterium marinum skin infection treated with minocycline hydrochloride. Hanke CW, et al. **Cleve Clin Q** 1980 Winter;47(4):339–42
Office management of viral skin infections in the elderly. Raimer SS, et al. **Geriatrics** 1981 Feb;36(2):53–63
Concentrations of cefotaxime in skin. Gründer K, et al. **Infection** 1980;8 Suppl 3:S 280–3
Efficacy of two dosage schedules of cephalexin in dermatologic infections. DiMattia AF, et al. **J Fam Pract** 1981 Apr;12(4):649–52
Comparative trial of fucidin ointment and fucidin cream in skin sepsis. Pakrooh H. **J Int Med Res** 1980;8(6):425–9
Gonococcal tenosynovitis-dermatitis and septic arthritis. Intravenous penicillin vs oral erythromycin. Thompson SE 3d, et al. **JAMA** 1980 Sep 5;244(10):1101–2
Treatment of infected dermatoses: a randomized, double-blind clinical trial in general practice. Vallé-Jones JC. **Pharmatherapeutica** 1980;2(5):293–5
Treatment of serious skin and soft tissue infections with cefamandole. Glanges E, et al. **Scand J Infect Dis [Suppl]** 1980;suppl 25:69–74
[Cefaclor in dermatological therapy (author's transl)] Paul E. **Infection** 1979;7(6):622–3 (Eng. Abstr.) **(Ger)**
[The treatment with minocycline (Minocin) in daily pediatric practice (author's transl)] Rentsch M. **Praxis** 1980 Nov 25; 69(47):1756–9 (Eng. Abstr.) **(Ger)**
[The activity of imidazole derivatives in the presence of human plasma (author's transl)] Raab W, et al. **Z Hautkr** 1981 Jul 1;56(13):843–6 (Eng. Abstr.) **(Ger)**
[Clinical experience with 9,3'-diacetylmidecamycin (MOM) in surgical field (author's transl)] Yokoyama S, et al. **Jpn J Antibiot** 1980 Oct;33(10):985–8 **(Jpn)**
[Interferon inducer in the treatment of viral dermatoses] Bukhvald I, et al. **Vestn Dermatol Venerol** 1981 Mar; (3):69–70 **(Rus)**
[Use of different drug forms of novobiocin in dermatological practice] Panichkina GS. **Vestn Dermatol Venerol** 1981 Jan; (1):43–7 (Eng. Abstr.) **(Rus)**

ETIOLOGY

Disseminated Mycobacterium marinum infection after renal transplantation. Gombert ME, et al. **Ann Intern Med** 1981 Apr;94(4 pt 1):486–7
Ecthyma-like skin lesions caused by Staphylococcus aureus [letter] Turnbull D, et al. **Arch Intern Med** 1981 Apr; 141(5):689
Gonococcal septicaemia presenting as a subcutaneous abscess. Owino NO, et al. **Br J Vener Dis** 1981 Apr; 57(2):143–4
Viral infections of the skin. Sher AM. **Compr Ther** 1981 Jan; 7(1):35–43
Arthritis/dermatitis syndrome – Part I. Trenholme G. **IMJ** 1980 Sep;158(3):130–1
Nosocomial cutaneous staphylococcal infection in neonates. Chatterjee BD. **Indian J Dermatol** 1979 Oct;24(5):31–5
Skin abscess caused by Candida albicans: unusual presentation of C. albicans disease. Feldman WE, et al. **J Clin Microbiol** 1980 Jul;12(1):44–5
Pretibial rash in Legionella pneumophila pneumonia. Helms CM, et al. **JAMA** 1981 May 1;245(17):1758–9
Follicular dermatitis outbreak caused by Pseudomonas aeruginosa associated with a motel's indoor swimming pool. Hopkins RS, et al. **Public Health Rep** 1981 May–Jun; 96(3):246–9
[Subcutaneous abscess following long time continuous epidural anaesthesia (author's transl)] Knitza R. **Anaesthesist** 1981 Apr;30(4):198–9 (Eng. Abstr.) **(Ger)**
[Causes of staphyloderma relapse in infants and its treatment principles] Sterligov LA, et al. **Pediatriia** 1980;(9):22–4 (Eng. Abstr.) **(Rus)**
[Pathogenetic characteristics of staphylococcal skin lesions in nursing infants] Ishchenko LM, et al. **Vestn Dermatol Venerol** 1980 Nov;(11):43–6 **(Rus)**

IMMUNOLOGY

Efficacy of a virion envelope herpes simplex virus vaccine against experimental skin infections in hairless mice. Klein RJ, et al. **Arch Virol** 1981;68(2):73–80
Immune phenomena in patients with pustular bacterid. Djawari D, et al. **Dermatologica** 1981;162(3):148–56
T cell defect in patients with epidermodysplasia verruciformis due to human papillomavirus type 3 and 5. Gliński W, et al. **Dermatologica** 1981;162(3):141–7
Immune responses in mice against herpes simplex virus: mechanisms of protection against facial and ganglionic infections. Zweerink HJ, et al. **Infect Immun** 1981 Jan; 31(1):267–75
ADCC effector function in patients with atopic dermatitis. A possible mechanism of susceptibility to severe cutaneous viral infections. Fritz KA, et al. **J Am Acad Dermatol** 1980 Aug;3(2):167–73
An immunoglobulin (IgG) inhibitor of polymorphonuclear leukocyte motility in a patient with recurrent infection. Kramer N, et al. **N Engl J Med** 1980 Nov 27;303(22):1253–8
[Immunology of the pustular bacterid of Andrews. II. HLA-typing (author's transl)] Djawari D, et al. **Dermatol Monatsschr** 1980 May;166(5):305–8 (Eng. Abstr.) **(Ger)**
[Cellular immunity reactions in staphyloderma] Lesnitskiĭ AI. **Vestn Dermatol Venerol** 1981 Mar;(3):12–7 (Eng. Abstr.) **(Rus)**

METABOLISM

HPV 1 DNA in lesions of focal epithelial hyperplasia Heck. Petzoldt D, et al. **Arch Dermatol Res** 1980;268(3):313–4

MICROBIOLOGY

Resistant cutaneous infection caused by Mycobacterium chelonei. Fenske NA, et al. **Arch Dermatol** 1981 Mar; 117(3):151–3
Aeromonas hydrophila infection of the skin. Young DF, et al. **Arch Dermatol** 1981 Apr;117(4):244
Aerobic and anaerobic bacteriology of subcutaneous abscesses. Ghoneim AT, et al. **Br J Surg** 1981 Jul; 68(7):498–500
Nontuberculous mycobacteria as unsuspected agents of dermatological infections: diagnosis through microbiological parameters. Damsker B, et al. **J Clin Microbiol** 1980 Jun;11(6):569–72
Experimental infections with group A streptococci in humans. Leyden JJ, et al. **J Invest Dermatol** 1980 Aug; 75(2):196–201
Identification of papillomaviruses in butchers' warts. Orth G, et al. **J Invest Dermatol** 1981 Feb;76(2):97–102
[Bullous varicella. Association of varicella and a childhood scalded-skin syndrome] Peyramond D, et al. **Arch Fr Pediatr** 1979 Nov;36(9):922–5 (Eng. Abstr.) **(Fre)**
[Erythema multiforme. Isolation of Mycoplasma pneumoniae from skin lesions (letter)] Canton P, et al. **Nouv Presse Med** 1980 May 10;9(21):1516, 1518 **(Fre)**
[A case of suppurative skin disease which is thought to be due to Achromobacter xylosoxidans (author's transl)] Toki N, et al. **Nippon Hifuka Gakkai Zasshi** 1980 Aug; 90(9):843–7 **(Jpn)**

OCCURRENCE

Outbreaks of hand, foot, and mouth disease by enterovirus 71. High incidence of complication disorders of central nervous system. Ishimaru Y, et al. **Arch Dis Child** 1980 Aug;55(8):583–8

PATHOLOGY

Primary cutaneous Nocardia asteroides infection with dissemination. Kahn FW, et al. **Am J Med** 1981 Apr; 70(4):859–63
Vasculitis in cytomegalovirus infection. Weigand DA, et al. **Arch Dermatol** 1980 Oct;116(10):1174–6
Cutaneous cryptococcosis. Saúl A, et al. **Int J Dermatol** 1980 Oct;19(8):457–8

PREVENTION & CONTROL

Comparison of hexachlorophane and chlorhexidine powders in prevention of neonatal infection. Alder VG, et al. **Arch Dis Child** 1980 Apr;55(4):277–80
Inhibition of Dermatophilus congolensis infection in a mouse model by antibiotic-producing staphylococci. Noble WC, et al. **Br J Exp Pathol** 1980 Dec;61(6):644–7
Insulin injections and infections [editorial] **Br Med J [Clin Res]** 1981 Jan 31;282(6261):340

THERAPY

Heat treatment for certain chronic granulomatous skin infections. Sutherland GE, et al. **South Med J** 1980 Dec; 73(12):1564–5
[Treatment of soft tissue inflammation caused by penicillin-resistant staphylococci] Košuta D, et al. **Acta Chir Iugosl** 1980;27 Suppl 1:49–51 **(Scr)**

TRANSMISSION

An outbreak of post-operative sepsis due to a staphylococcal disperser. Tanner EI, et al. **J Hyg (Lond)** 1980 Oct;85(2):219–25

VETERINARY

Serological and bacteriological studies on the staphylococcal exfoliative skin disease in guinea pigs. Ishihara C. **Jikken Dobutsu** 1980 Oct;29(4):427–32
An exfoliative skin disease in guinea pigs due to Staphylococcus aureus. Ishihara C. **Lab Anim Sci** 1980 Jun; 30(3):552–7
Bovine dermatotropic herpesvirus infections. Nesbitt GH. **Mod Vet Pract** 1980 Sep;61(9):751–3

SKIN DISEASES, PARASITIC

see related
ECTOPARASITIC INFESTATIONS

DIAGNOSIS

Tungiasis: a case report. Soei KI, et al. **Acta Leiden** 1980; 48:43–6
Cutaneous amebiasis. Fujita WH, et al. **Arch Dermatol** 1981 May;117(5):309–10
Unusual presentation of extragenital cutaneous Schistosomiasis mansoni. Jacyk WK, et al. **Br J Dermatol** 1980 Aug;103(2):205–8
Multiple larval tick infestation of man. A case of infesting larvae seeming to be pustules with a red halo. Fujiwara K, et al. **J Dermatol (Tokyo)** 1981 Apr;8(2):157–9
Cercaria dermatitis. Shimizu M, et al. **J Dermatol (Tokyo)** 1981 Apr;8(2):117–24
[Pruritus as a leading symptom in parasitoses] Meinhof W. **MMW** 1981 Jul 31;123(31):1200–2 **(Ger)**
[Tyroglyphoidea/stored food mites (author's transl)] Rufli T, et al. **Praxis** 1981 May 19;70(21):962–8 (Eng. Abstr.) **(Ger)**
[Onchocerciasis confirmed by detection of the parasites in the skin and eyes] Mikhaĭlova VA, et al. **Vestn Oftalmol** 1980 Nov–Dec;(6):64–6 **(Rus)**

DRUG THERAPY

Cutaneous cysticercosis treated with metrifonate. Tschen EH, et al. **Arch Dermatol** 1981 Aug;117(8):507–9

Mepacrine—ineffective in onchocerciasis. Kale OO. **Tropenmed Parasitol** 1980 Sep;31(3):365–6

Chemotherapy of onchocerciasis: a controlled clinical trial of topical diethylcarbamazine (DEC) in Guatemala. Taylor HR, et al. **Tropenmed Parasitol** 1980 Sep;31(3):357–64

ETIOLOGY

[South American furunculoid myasis. (Report on a case) (author's transl)] Normand P, et al. **Med Trop (Mars)** 1981 Mar–Apr;41(2):219–21 (Eng. Abstr.) **(Fre)**

IMMUNOLOGY

Immunological regulation of experimental cutaneous leishmaniasis. 2. Studies with Biozzi high and low responder lines of mice. Hale C, et al. **Parasite Immunol** 1981 Spring;3(1):45–55

OCCURRENCE

Parasitic dermatoses in children. Choudhuri AK, et al. **Indian J Dermatol** 1979 Oct;24(5):9–11

[Attempt at defining dermatological criteria for surveys of African onchocerciasis based on observations made in 3 Mali villages] Penchenier L, et al. **Bull Soc Pathol Exot Filiales** 1980 May–Jun;73(3):302–11 **(Fre)**

[Dermatozooiasis in a large tropical country (nomenclature—practical approach) dermatozoiases (dermatozooparasitosis)] Vasconcelos W. **Med Cutan Iber Lat Am** 1979;7(4–6):115–26 (Eng. Abstr.) **(Por)**

PARASITOLOGY

[Parasites in the skin: scabies – cutaneous myiases – cutaneous nematodes] Janssens PG, et al. **Verh K Acad Geneeskd Belg** 1979;41(5–6):388–508 **(Dut)**

PATHOLOGY

Cutaneous toxoplasmosis. Binazzi M, et al. **Int J Dermatol** 1980 Jul–Aug;19(6):332–5

[Cutaneous lesions of bilharziosis. Report of fourteen cases (author's transl)] Colin M, et al. **Ann Dermatol Venereol** 1980 Aug–Sep;107(8–9):759–67 (Eng. Abstr.) **(Fre)**

[Dermatitis cercarialis in a fisherman (author's transl)] Farkaš J. **Dermatol Monatsschr** 1980 Nov;166(11):747–50 **(Ger)**

THERAPY

Management of parasitic dermatoses. Hati AK, et al. **Indian J Dermatol** 1979 Oct;24(5):1–3

TRANSMISSION

Cheyletiella infestation in humans [letter] Kunkle GA, et al. **Arch Dermatol** 1980 Dec;116(12):1345

VETERINARY

A South African cattle warble? Arkell NJ, et al. **J S Afr Vet Assoc** 1980 Sep;51(3):202

Demodicosis in African Buffalo (Syncerus caffer caffer) in Botswana. Dräger N, et al. **J Wildl Dis** 1980 Oct; 16(4):521–4

The number of Dermatobia hominis lesions in Zebu cow hides of different colours. Marsden PD, et al. **Trans R Soc Trop Med Hyg** 1979;73(4):458–9

Skin myiasis due to Ruttenia loxodontis Rodhain in an African elephant. Stehlik M. **Vet Rec** 1980 Sep 6; 107(10):227

SKIN MANIFESTATIONS

The sign of Leser–Trélat. Report of a case with adenocarcinoma of the duodenum. Curry SS, et al. **Arch Dermatol** 1980 Sep;116(9):1059–60

Leukemia and lymphoma: recognizing cutaneous signs of internal malignancies. Rosen T. **Geriatrics** 1980 Dec; 35(12):65–72

[Lerner–Watson's cryoglobulinaemia and benign paraproteinaemia IgM (author's transl)] Pokorný M, et al. **Cesk Dermatol** 1981 Feb;56(1):17–21 (Eng. Abstr.) **(Cze)**

[Skin manifestations of giardiasis. Some clinical cases] Kennou MF, et al. **Arch Inst Pasteur Tunis** 1980 Sep; 57(3):257–60 (Eng. Abstr.) **(Fre)**

[Cutaneous manifestations in the dysproteinemias. A case of atypical macroglobulinemia of Waldenstrom (author's transl)] Lorette G, et al. **Sem Hop Paris** 1981 Jan 18–25; 57(3–4):163–7 (Eng. Abstr.) **(Fre)**

[Histiocytosis X affecting solely the skin (author's transl)] Haustein UF, et al. **Dermatol Monatsschr** 1980 May; 166(5):336–43 (Eng. Abstr.) **(Ger)**

[Degos' disease—vascular findings in a rare endangiopathy] Henke M, et al. **Med Welt** 1980 Jul 11;31(28):1052–5 **(Ger)**

[Disseminated cryptococcosis with cutaneous manifestations] Weintraub M, et al. **Harefuah** 1980 Apr 2;98(7):306–7 (Eng. Abstr.) **(Heb)**

[Effect of neoplasms of the internal organs on the development of skin changes regarding their mutual relationship] Piskozub E, et al. **Pol Tyg Lek** 1980 Oct 20; 35(42):1603–5 (Eng. Abstr.) **(Pol)**

[Paraneoplasia in dermatology] Chodorowska G. **Przegl Dermatol** 1980 May–Jun;67(3):387–92 (45 ref.) **(Pol)**

SKIN NEOPLASMS

Metastatic melanoma in the thorax: report of 130 patients. Chen JT, et al. **AJR** 1981 Aug;137(2):293–8

Melanoma. Meier RS, et al. **Am Fam Physician** 1981 Apr; 23(4):99–101

Tricholemmona. Leider M. **Am J Dermatopathol** 1980 Fall; 2(3):257–9

Multiple clear cell acanthoma [letter] Bonnetblanc JM, et al. **Arch Dermatol** 1981 Jan;117(1):1

Giant pilar tumor of the scalp. Casas JG, et al. **Arch Dermatol** 1980 Dec;116(12):1395

Cutaneous T-cell lymphomas. A review of the recent literature. Zackheim HS. **Arch Dermatol** 1981 May; 117(5):295–304

The Costello Memorial Lecture. The spread of squamous carcinoma of the skin via the cranial nerves. Bourne RG. **Australas Radiol** 1980 Jul;24(2):106–14

Intraepidermal epithelioma of Jadassohn [letter] Holubar K. **Br J Dermatol** 1980 Oct;103(4):461–2

The intra-epidermal epithelioma of Jadassohn [letter] Pinkus H. **Br J Dermatol** 1980 Oct;103(4):462–4

Basal cell carcinoma in black patients. Matsuoka LY, et al. **J Am Acad Dermatol** 1981 Jun;4(6):670–2

Benign neonatal hemangiomatosis. Stern JK, et al. **J Am Acad Dermatol** 1981 Apr;4(4):442–5

[Symposium on skin tumors in children. Ghent, 17–18 November 1978] **Dermatologica** 1980;161 Suppl 1:1–160 **(Fre)**

[Paraneoplastic dermatoses] Macher E, et al. **Verh Dtsch Ges Inn Med** 1980;86:432–8 (28 ref.) **(Ger)**

[Metastases in abrasive material of malignant melanoma in skin (author's transl)] Scholz P, et al. **Zentralbl Gynaekol** 1980;102(17):1009–11 (Eng. Abstr.) **(Ger)**

[Chronic intestinal metastases of achromic cutaneous melanoma] Cavaliere P, et al. **Minerva Chir** 1981 Apr 15; 36(7):479–84 **(Ita)**

[Kasabach–Merrit syndrome: association of hemangioma and thrombocytopenia] Palaneck K, et al. **Rev Chil Pediatr** 1979 Nov–Dec;50(6):67–9 (Eng. Abstr.) **(Spa)**

ANALYSIS

Analysis of epidermal fibrous proteins in inflammatory linear verrucous epidermal nevus. Adrian RM, et al. **Arch Dermatol** 1980 Oct;116(10):1179–80

Glutathione in human epidermal tumors. Basal and squamous cell epithelioma, verruca seborrhoeica. De Bersaques J. **Arch Dermatol Res** 1980;269(1):75–9

Cutaneous vitamin A levels in seborrheic keratosis, actinic keratosis, and basal cell carcinoma. Rollman O, et al. **Arch Dermatol Res** 1981;270(2):193–6

Immunofluorescent detection of hormone receptors in cutaneous melanocytic tumours. Thompson AJ, et al. **Br J Cancer** 1981 May;43(5):644–53

The presence of beta2 microglobulin on the membrane of the keratinocyte in premalignant skin disorders. Vinninghe HR, et al. **Br J Dermatol** 1981 May;104(5):515–9

Rhodamin B stain for keratin: evaluation of its specificity and its application in dermal pathology. Pinkus H, et al. **J Cutan Pathol** 1980 Aug;7(4):222–6

BLOOD

Lymphocyte transformation in patients with cutaneous T-cell lymphomas. Carney DN, et al. **Int J Cancer** 1980 Nov 15; 26(5):535–42

Decreased UV-induced DNA repair synthesis in peripheral leukocytes from patients with the nevoid basal cell carcinoma syndrome. Ringborg U, et al. **J Invest Dermatol** 1981 Apr;76(4):268–70

[Quantitative investigations of the pregnancy associated alpha 2-glycoprotein (PAG) in malignant melanoma (author's transl)] Göring HD, et al. **Dermatol Monatsschr** 1981 Apr; 167(4):217–23 (Eng. Abstr.) **(Ger)**

[Correlation between hemangioma of the skin and thrombocyte values in children] Kleinteich B, et al. **Z Aerztl Fortbild (Jena)** 1980 Oct 15;74(20):949–51 **(Ger)**

BLOOD SUPPLY

[The vascular pattern in solid and cystic basal cell tumors (author's transl)] Staindl O, et al. **HNO** 1981 Apr; 29(4):112–7 (Eng. Abstr.) **(Ger)**

CHEMICALLY INDUCED

Kaposi's sarcoma complicating corticosteroid therapy for temporal arteritis. Leung F, et al. **Am J Med** 1981 Aug; 71(2):320–2

A study of tobacco carcinogenesis XX: mastocytoma induction in mice by cigarette smoke particulates ('cigarette tar'). Ohmori T, et al. **Am J Pathol** 1981 Mar;102(3):381–7

Levodopa administration and multiple primary cutaneous melanomas. Bernstein JE, et al. **Arch Dermatol** 1980 Sep; 116(9):1041–44

Dermatofibromas and systemic lupus erythematosus [letter] Kravitz P. **Arch Dermatol** 1980 Dec;116(12):1347

Local carcinogenicity os some environmentally relevant polycyclic aromatic hydrocarbons after lifelong topical application to mouse skin. Habs M, et al. **Arch Geschwulstforsch** 1980;50(3):266–74

Arsenic dose in patients with cutaneous carcinomata and hepatic hemangio-endothelioma after environmental and occupational exposure. Zaldivar R, et al. **Arch Toxicol** 1981 Apr;47(2):145–54

Localized cutaneous pseudolymphoma associated with phenytoin therapy: a case report. Adams JD. **Australas J Dermatol** 1981 Apr;22(1):28–9

An organ culture of adult mouse skin: an in vitro model for studying the molecular mechanism of skin tumor promotion. Verma AK, et al. **Biochem Biophys Res Commun** 1980 Sep 30;96(2):854–62

Prevention of the benzo(a)pyrene photocarcinogenic effect by beta-carotene and canthaxanthine. Preliminary study. Santamaria L, et al. **Boll Chim Farm** 1980 Dec; 119(12):745–8

A case-control study of the possible association between oral contraceptives and malignant melanoma. Adam SA, et al. **Br J Cancer** 1981 Jul;44(1):45–50

Initiation and promotion at different ages and doses in 2200 mice. I. Methods, and the apparent persistence of initiated cells. Stenbäck F, et al. **Br J Cancer** 1981 Jul;44(1):1–14

Initiation and promotion at different ages and doses in 2200 mice. III. Linear extrapolation from high doses may underestimate low-dose tumour risks. Stenbäck F, et al. **Br J Cancer** 1981 Jul;44(1):24–34

Initiation and promotion at different ages and doses in 2200 mice. II. Decrease in promotion by TPA with ageing. Stenbäck F, et al. **Br J Cancer** 1981 Jul;44(1):15–23

Analysis of cell cultures of 3,4-benzpyrene-treated subcutis and subsequent growth in semi-solid medium. Westwood FR, et al. **Br J Cancer** 1980 May;41(5):800–8

Indomethacin enhancement of TPA tumor promotion in mice. Fischer SM, et al. **Cancer Lett** 1980 Oct;10(4):343–50

Latent period and yield of chemically-induced skin tumors in chimeric mice. Iannaccone PM. **Cancer Lett** 1980 Aug; 10(2):169–75

Induction of local epidermal papillomas and carcinoma by selected nitrosamines. Pour P, et al. **Cancer Lett** 1980 Oct; 10(4):365–73

Extent of skin tumour initiation in mice by 7,12-dimethylbenz[alpha]anthracene and induction of arylhydrocarbon monooxygenase are not causally related. Pyerin WG, et al. **Cancer Lett** 1980 Aug;10(2):155–62

Effect of butyric acid on tumor promotion: a correction [letter] Belman S. **Cancer Res** 1981 Sep;41(9 Pt 1):3669

Paradoxical effect of anthralin on 12-O-tetradecanoylphorbol-13-acetate-induced mouse epidermal ornithine decarboxylase activity, proliferation, and tumor promotion. De Young LM, et al. **Cancer Res** 1981 Jan;41(1):204–8

Comparison of two-stage epidermal carcinogenesis initiated by 7,12-dimethylbenz(a)anthracene or N-methyl-N'-nitro-N-nitrosoguanidine in newborn and adult SENCAR and BALB/c mice. Hennings H, et al. **Cancer Res** 1981 Mar;41(3):773–9

Exceptionally high tumor-initiating activity of benzo(c)phenanthrene bay-region diol-epoxides on mouse skin. Levin W, et al. **Cancer Res** 1980 Nov;40(11):3910–4

Skin melanoma induced by 7,12-dimethylbenzanthracene in albino guinea pigs and its similarities to skin melanoma of humans. Pawlowski A, et al. **Cancer Res** 1980 Oct; 40(10):3652–60

Carcinogenesis of 4-(hydroxymethyl)benzenediazonium ion (tetrafluoroborate) of Agaricus bisporus. Toth B, et al. **Cancer Res** 1981 Jun;41(6):2444–9

Multistage chemical carcinogenesis in mouse skin. Slaga TJ, et al. **Curr Probl Dermatol** 1980;10:193–218

Chemical carcinogenesis studies in mouse epidermal cell cultures. Yuspa SH, et al. **Curr Probl Dermatol** 1980; 10:171–91

Relative potency estimation for synthetic petroleum skin carcinogens. Holland JM, et al. **Environ Health Perspect** 1981 Apr;38:149–55

Tumorigenic effect of topical mechlorethamine, BCNU and CCNU in mice. Zackheim HS, et al. **Experientia** 1980 Oct 15;36(10):1211–2

Quinacrine hydrochloride drug eruption (tropical lichenoid dermatitis). Its early and late sequelae and its malignant potential: a review. Bauer F. **J Am Acad Dermatol** 1981 Feb;4(2):239–48

Metastasis with cutaneous squamous cell carcinoma [letter] Epstein E. **J Am Acad Dermatol** 1981 Jun;4(6):734–6

Keratoses and nonmelanoma skin tumors in long-term photochemotherapy (PUVA). Hönigsmann H, et al. **J Am Acad Dermatol** 1980 Oct;3(4):406–14

An enantiomeric interaction in the metabolism and tumorigenicity of (+)- and (–)-benzo[a]pyrene 7,8-oxide. Levin W, et al. **J Biol Chem** 1980 Oct 10;255(19):9067–74

Plasminogen activator induction and platelet aggregation by phorbol and some of its derivatives: correlation with skin irritancy and tumor-promoting activity. Brynes PJ, et al. **J Cancer Res Clin Oncol** 1980;97(3):257–66

Two-stage skin carcinogenesis by systemic initiation of pregnant mice with 7,12-dimethylbenz(a)anthracene during gestation days 6–20 and postnatal promotion of the F 1-generation with the phorbol ester 12-tetradecanoylphorbol-13-acetate. Goerttler K, et al.

J Cancer Res Clin Oncol 1980;98(3):267–75

Adnexal participation in formation of cutaneous tumors following topical application of 9,10-dimethyl-benzanthracene. Stenbäck F. **J Cutan Pathol** 1980 Oct;7(5):277–94

Epidermal proliferation of nude mouse skin, pig skin, and pig skin grafts. Failure of nude mouse skin to respond to the tumor promoter 12-O-tetradecanoyl phorbol 13-acetate. Krueger GG, et al. **J Exp Med** 1980 Nov 1; 152(5):1329–39

Effect of temperature on benzo[a]pyrene-induced hyperplastic and neoplastic skin lesions in mice. Weisbrode SE, et al. **JNCI** 1981 May;66(5):975–8

Non-Hodgkin's lymphoma of the scalp in workers exposed to dioxins [letter] Bishop CM, et al. **Lancet** 1981 Aug 15; 2(8242):369

Inhibition of delayed hypersensitivity skin reactions in patients on methoxypsoralen photochemotherapy [letter] Moss C, et al. **Lancet** 1980 Oct 25;2(8200):922

Inhibition of delayed hypersensitivity reaction in skin (DNCB test) by 8-methoxypsoralen photochemotherapy. Possible basis for pseudo-promoting action in skin carcinogenesis? Strauss GH, et al. **Lancet** 1980 Sep 13;2(8194):556–9

Methoxypsoralen photochemotherapy [letter] Strauss GH, et al. **Lancet** 1980 Nov 22;2(8204):1134–5

Sunscreen misconception [letter] Holman CD, et al. **Med J Aust** 1980 Jun 28;1(13):669

Sunscreen not mutagenic [letter] Urbach F. **Med J Aust** 1980 Sep 6;2(5):284

Mouse skin cells resistant to terminal differentiation associated with initiation of carcinogenesis. Yuspa SH, et al. **Nature** 1981 Sep 3;293(5827):72–4

Studies on the mechanism of skin tumor promotion: evidence for several stages in promotion. Slaga TJ, et al. **Proc Natl Acad Sci USA** 1980 Jun;77(6):3659–63

Skin tumor-promoting activity of benzoyl peroxide, a widely used free radical-generating compound. Slaga TJ, et al. **Science** 1981 Aug 28;213(4511):1023–5

[Psoriasis, skin cancer and PUVA (letter)] **Derm Beruf Umwelt** 1981;29(2):46–7 **(Ger)**

[Evaluation of reduced work capacity in so-called pitch skin (BK-Ziffer 5102)] Fabry H. **Derm Beruf Umwelt** 1981; 29(3):79–80 **(Ger)**

[Chemical carcinogens and their relevance for cancer induction in man with special reference to dermatological problems (author's transl)] Schmähl D, et al. **Derm Beruf Umwelt** 1981;29(3):75–9 (Eng. Abstr.) **(Ger)**

[Multiple basaloma and meningioma following long-term arsenic therapy] Weiss J, et al. **Hautarzt** 1980 Dec; 31(12):654–56 (Eng. Abstr.) **(Ger)**

[Bladder cancer and malignant melanoma following Endoxan therapy of a lymphoproliferative disease] Kaufmann B, et al. **Schweiz Med Wochenschr** 1981 Apr 11;111(15):540–5 (Eng. Abstr.) **(Ger)**

[Studies on the tumourigenicity of extracts and their fractions of airborne particulates with the subcutaneous test in the mouse (author's transl)] Pott F, et al. **Zentralbl Bakteriol [B]** 1980 Feb;170(1–2):17–34 (Eng. Abstr.) **(Ger)**

[20-methylcholanthrene-induced mice skin cancer: Part 3: Studies on co-carcinogenic and suppressive factors (author's transl)] Hori M. **Nippon Hifuka Gakkai Zasshi** 1981 Jan;91(1):43–52 **(Jpn)**

[Experimental studies of Polish physicians on the carcinogenic effect of coal tar and its derivatives (before 1939)] Supady J. **Pol Tyg Lek** 1981 Mar 2;36(9):357–9 **(Pol)**

[Bowen's disease with multiple lesions caused by chronic arsenic poisoning] Giménez H, et al. **Actas Dermosifiliogr** 1980 Sep-Oct;71(9–10):337–42 (Eng. Abstr.) **(Spa)**

CLASSIFICATION

The classification of malignant melanoma. Elder DE, et al. **Am J Dermatopathol** 1980 Winter;2(4):315–20

Unilateral dermatomal cavernous hemangiomatosis. Wilkin JK. **Dermatologica** 1980;161(5):347–54

Difficulties encountered in the application of Clark classification and the Breslow thickness measurement in cutaneous malignant melanoma. Prade M, et al. **Int J Cancer** 1980 Aug;26(2):159–63

A new classification of malignant melanoma proposed according to the TNM-system. Drepper H, et al. **J Cancer Res Clin Oncol** 1980;96(3):223–9

[Comparative clinical and histological investigations on malignant melanomas of the skin (author's transl)] Schreiber T, et al. **Dermatol Monatsschr** 1980 Aug; 166(8):531–40 (Eng. Abstr.) **(Ger)**

[Pathology and clinical aspects of immunoblastic lymphoma of the skin] Goos M. **Z Hautkr** 1980 Oct 1;55(19):1295–301 **(Ger)**

[Cutaneous malignant lymphomas] Kresbach H, et al. **Z Hautkr** 1980 Oct 1;55(19):1260–6 **(Ger)**

[Classification of malignant melanomas of skin (author's transl)] Weidner F, et al. **Z Hautkr** 1981 Apr 1;56(7):432–44 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Cutis verticis gyrata: unusual chloromatous disease in acute myelogenous leukemia. Cheson BD, et al. **Am J Hematol** 1980;8(4):415–8

Septicemic complications of the cutaneous T-cell lymphomas. Posner LE, et al. **Am J Med** 1981 Aug; 71(2):210–6

Familial cardiomyopathy, hypogonadism, and collagenoma. Sacks HN, et al. **Ann Intern Med** 1980 Dec;93(6):813–7

Sézary syndrome after successful treatment of Hodgkin's disease. Büchner SA. **Arch Dermatol** 1981 Jan;117(1):50–4

Mycosis fungoides. Small-bowel involvement complicated by perforation and peritonitis. Camisa C, et al. **Arch Dermatol** 1981 Apr;117(4):234–7

Basal cell carcinoma arising in a chickenpox scar. Hendricks WM. **Arch Dermatol** 1980 Nov;116(11):1304–5

Becker's nevus associated with limb asymmetry. Lucky AW, et al. **Arch Dermatol** 1981 Apr;117(4):243

Cutaneous pseudolymphoma at the site of resolving herpes zoster. Sánchez JL, et al. **Arch Dermatol** 1981 Jun; 117(6):377

Lentigo maligna in a woman with oculocutaneous albinism. Stoll DB, et al. **Arch Dermatol** 1981 Jun;117(6):360–1

Disseminated cutaneous herpes simplex infection in cutaneous T-cell lymphoma. Taulbee KS, et al. **Arch Dermatol** 1981 Feb;117(2):114–5

Chronic herpes simplex infection in cutaneous T-cell lymphomas. Vonderheid EC, et al. **Arch Dermatol** 1980 Sep;116(9):1018–22

Mycosis fungoides associated with Mediterranean lymphoma. Cassuto JP, et al. **Arch Dermatol Res** 1981;270(1):17–23

Linear nevus sebaceus syndrome. Report of a case with Lennox-Gastaut syndrome following infantile spasms. Kurokawa T, et al. **Arch Neurol** 1981 Jun;38(6):375–7

B-K mole syndrome. Cutaneous and ocular malignant melanoma. Abramson DH, et al. **Arch Ophthalmol** 1980 Aug;98(8):1397–9

Ocular findings in mycosis fungoides. Stenson S, et al. **Arch Ophthalmol** 1981 Feb;99(2):272–7

Extensive infantile retroperitoneal haemangioma causing severe retroperitoneal and gastrointestinal bleeding associated with haemangioma of the thigh. A syndrome? Shahar E, et al. **Aust Paediatr J** 1980 Jun;16(2):119–22

Secondary localized cutaneous amyloidosis in melanocytic naevi. MacDonald DM, et al. **Br J Dermatol** 1980 Nov; 103(5):553–6

Occult Bowen's disease in keratinous cysts. Shelley WB, et al. **Br J Dermatol** 1981 Jul;105(1):105–8

Report of an infant with GM1 gangliosidosis type I and extensive and unusual mongolian spots. Weissbluth M, et al. **Br J Dermatol** 1981 Feb;104(2):195–200

Extramedullary plasmacytoma of the orbit: case report with results of immunocytochemical studies. Khalil MK, et al. **Can J Ophthalmol** 1981 Jan;16(1):39–42

Mycosis fungoides associated with nodular sclerosing Hodgkin's disease: a case report. Donald D, et al. **Cancer** 1980 Dec 1;46(11):2505–8

Cryptococcosis with multiple squamous cell tumors associated with a T-cell defect. Heenan PJ, et al. **Cancer** 1981 Jan 15;47(2):291–5

Amyloidosis associated with metastasizing basal cell carcinoma. Lichtenstein HL, et al. **Cancer** 1980 Dec 15; 46(12):2693–6

Squamous cell carcinoma arising in pemphigus vulgaris during immunosuppressive therapy. Mahomed Y, et al. **Cancer** 1980 Sep 15;46(6):1374–7

T cell imbalance in nonleukemic and leukemic cutaneous lymphoma defined by monoclonal antibodies. Laroche L, et al. **Clin Immunol Immunopathol** 1981 Aug;20(2):278–84

Molluscum contagiosum occurring in an epidermal inclusion cyst. Hendricks WM, et al. **Cutis** 1980 Aug;26(2):180, 184

Carcinoma associated with myelomeningocele. van Tintelen JF, et al. **Dev Med Child Neurol** 1980 Aug;22(4):512–4

Lipoma-induced headache [letter] Tach JR. **Headache** 1981 Jul;21(4):186

Verrucous carcinoma arising from a burn scar. Aton JK, et al. **Int J Dermatol** 1981 Jun;20(5):359–61

Diffuse melanosis secondary to metastatic malignant melanoma. Light and electron microscopic findings. Adrian RM, et al. **J Am Acad Dermatol** 1981 Sep;5(3):308–18

Squamous cell carcinoma arising in dissecting perifolliculitis of the scalp. A case report and review of secondary squamous cell carcinomas. Curry SS, et al. **J Am Acad Dermatol** 1981 Jun;4(6):673–8

An unusual and fatal case of disseminated cutaneous herpes simplex. Infection in a patient with cutaneous T cell lymphoma (mycosis fungoides). Goldgeier MH, et al. **J Am Acad Dermatol** 1981 Feb;4(2):176–80

Malignant melanoma with melanosis. Ultrastructural and histological studies. Rowden G, et al. **J Cutan Pathol** 1980 Jun;7(3):125–39

Angiolymphoid hyperplasia with eosinophilia. A report of two cases. Baler GR. **J Dermatol Surg Oncol** 1981 Mar; 7(3):229–34

Tumor conference 32. Basal-cell carcinoma in a hemophiliac. Bart RS, et al. **J Dermatol Surg Oncol** 1980 Nov;6(11):894–5

Tumor Conference 35. Cowden's disease (multiple hamartoma syndrome). Bart RS, et al. **J Dermatol Surg Oncol** 1981 May;7(5):378–80

Darier's disease associated with cutaneous malignancies. Latour DL, et al. **J Dermatol Surg Oncol** 1981 May; 7(5):408–12

Are concurrent or subsequent malignant melanomas in the skin and eye related or coincidental? Rodriguez-Sains RS. **J Dermatol Surg Oncol** 1980 Nov;6(11):915–8

CNS involvement in mycosis fungoides. Jayakar VV, et al. **J Postgrad Med** 1980 Jul;26(3):204–6

Squamous cell carcinoma arising in seborrheic keratosis. Kwittken J. **Mt Sinai J Med (NY)** 1981 Jan-Feb;48(1):61–2

Facial hemihypertrophy associated with nevus unius lateris syndrome. Muller JT, et al. **Oral Surg** 1980 Sep;50(3):226–8

[Malignant histiocytosis as a cause of fever of unknown origin] Lins RL, et al. **Ned Tijdschr Geneeskd** 1981 Jan 31;125(5):195–9 (Eng. Abstr.) **(Dut)**

[Multicentric periungual and muscular reticulohistiocytosis] Barrière H, et al. **Ann Dermatol Venereol** 1980 Jul; 107(7):689–91 **(Fre)**

[Association of Pick-Herxheimer disease and malignant hemopathies. Apropos of 2 cases] Eberst E, et al. **Ann Dermatol Venereol** 1980;107(12):1201–5 **(Fre)**

[Spontaneous intracerebellar hematoma in a child with cutaneous neurofibromatosis] Echenne B, et al. **Pediatrie** 1980 Jul-Aug;35(5):413–8 (Eng. Abstr.) **(Fre)**

[Primary sporadic lymphedema with circumscribed lymphangioma] Thelenberg G. **Hautarzt** 1980 Sep; 31(9):491–4 (Eng. Abstr.) **(Ger)**

[Bäfverstedt's lymphoma as precursor of acute lymphatic leukemia] Mittler U, et al. **Kinderaerztl Prax** 1980 Sep; 48(9):478–83 (Eng. Abstr.) **(Ger)**

[Linear epidermal nevus with multiple malformations. (author's transl)] Ratzenhofer E, et al. **Klin Paediatr** 1981 Mar;193(2):117–9 (Eng. Abstr.) **(Ger)**

[Current pathogenetic and therapeutic aspects of the Kasabach-Merrit syndrome] Ardissone P, et al. **Minerva Pediatr** 1980 Sep 15;32(17):1047–56 (Eng. Abstr.) **(Ita)**

[Incontinentia pigmenti (Bloch-Sulzberger syndrome). Appraisal of 2 cases] Burdea M, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1981 Jan-Mar; 30(1):87–92 (Eng. Abstr.) **(Rum)**

[Pigmented neurofibromatosis of the feet associated with multiple abnormalities] Zaĭtseva SIu, et al. **Vestn Dermatol Venerol** 1981 Mar;(3):57–9 (Eng. Abstr.) **(Rus)**

[Conradi syndrome and inflammatory lineal verrucose epidermal nevus] Román Maciá P, et al. **Actas Dermosifiliogr** 1980 May-Jun;71(5–6):209–14 (Eng. Abstr.) **(Spa)**

CONGENITAL

Neoplasms arising in congenital giant nevi: morphologic study of seven cases and a review of the literature. Hendrickson MR, et al. **Am J Surg Pathol** 1981 Mar; 5(2):109–35 (80 ref.)

Congenital melanocytic nevi [letter] Kirschenbaum MB. **Arch Dermatol** 1981 Jul;117(7):379–80

Congenital vellus hamartoma. Hendricks WM, et al. **Cutis** 1981;27(1):67–8

Melanocytic nevi in neonates. Silvers DN, et al. **J Am Acad Dermatol** 1981 Feb;4(2):166–75

Tumor conference 36. A congenital pigmented nevus associated with leukoderma. Kopf AW, et al. **J Dermatol Surg Oncol** 1981 Jul;7(7):547–9

Congenital fibromatosis: report of 18 cases of solitary and 4 cases of multiple tumors. Briselli MF, et al. **Mayo Clin Proc** 1980 Sep;55(9):554–62

Nevus lipomatosus superficialis circumscriptus. Moore JR, et al. **Plast Reconstr Surg** 1980 Oct;66(4):617–9

Nonepidermal origin of malignant melanoma associated with a giant congenital nevocellular nevus. Rhodes AR, et al. **Plast Reconstr Surg** 1981 Jun;67(6):782–90

[Darier-Ferrand's congenital dermatofibrosarcoma] Verret JL, et al. **Ann Dermatol Venereol** 1981;108(1):85–7 **(Fre)**

[Congenital melanoma of the skin in a 2-year-old child] Sharoev TA, et al. **Pediatriia** 1980 Nov;(11):60–1 **(Rus)**

DIAGNOSIS

Fine needle aspiration cytology of malignant melanoma of the skin. Woyke S, et al. **Acta Cytol (Baltimore)** 1980 Nov-Dec;24(6):529–38

Elevated colchicine sensitivity of dermal lymphocytes in mycosis fungoides. Sterry W, et al. **Acta Derm Venereol (Stockh)** 1980;60(3):257–9

Diagnosis and treatment of skin cancer. Early diagnosis and cure. Monheit GD. **Ala J Med Sci** 1981 Apr;18(2):138

Legal implications of overdiagnosing malignant melanoma. Grossman SZ. **Am J Dermatopathol** 1981 Spring;3(1):67

The in utero ultrasonographic appearance of Klippel-Trenaunay-Weber syndrome. Hatjis CG, et al. **Am J Obstet Gynecol** 1981 Apr 15;139(8):972–4

A multifactorial analysis of melanoma: III. Prognostic factors in melanoma patients with lymph node metastases (stage II). Balch CM, et al. **Ann Surg** 1981 Mar;193(3):377–88

Verrucous carcinoma [letter] Brodin MB, et al. **Arch Dermatol** 1980 Sep;116(9):987

The Sturge-Weber syndrome. A patient with unusual features. Czarnecki DB. **Arch Dermatol** 1981 May; 117(5):305–6

Nevoid basal cell carcinoma syndrome. Multiple basal cell carcinomas of the palms after radiation therapy. Golitz LE, et al. **Arch Dermatol** 1980 Oct;116(10):1159–63

Pathology quiz case 1. Pilar tumor of the scalp (proliferating trichilemmal cyst). Moreland ME. **Arch Dermatol** 1981 Jul; 117(7):440–2

Multiple myeloma with cutaneous involvement. Tschen JA, et al. **Arch Dermatol** 1980 Dec;116(12):1394

Demonstration of heterogeneity in xeroderma pigmentosum.

Kim MA, et al. **Arch Dermatol Res** 1980;269(1):81–5

Atypical malignant histiocytosis. Its appearance as a single meningeal tumor or as multiple skin tumors. Kojiro M, et al. **Arch Pathol Lab Med** 1981 Jun;105(6):317–21

Melanoma, basal and squamous cell carcinomas: an update for clinicians. Schwartz RA, et al. **Ariz Med** 1980 Aug; 37(8):554–6

The relevance of morphometry in the differential diagnosis of cutaneous T cell lymphomas. van der Loo EM, et al. **Br J Dermatol** 1981 Mar;104(3):257–69

The diagnosis and management of common skin cancers. Gumport SL, et al. **CA** 1981 Mar–Apr;31(2):79–90

Malignant melanoma of the skin occurring during pregnancy. Houghton AN, et al. **Cancer** 1981 Jul 15;48(2):407–10

Pleomorphic lipoma: a benign tumor simulating liposarcoma. A clinicopathologic analysis of 48 cases. Shmookler BM, et al. **Cancer** 1981 Jan 1;47(1):126–33

Multicentric reticulohistiocytosis: a review of eight cases. Catterall MD. **Clin Exp Dermatol** 1980 Sep;5(3):267–79

The roots of the naevoid basal cell carcinoma syndrome. Howell JB. **Clin Exp Dermatol** 1980 Sep;5(3):339–48

A grossly disfiguring case of epithelioma adenoides cysticum in an African. Jacyk WK, et al. **Clin Exp Dermatol** 1980 Dec;5(4):421–3

Early recognition of cutaneous neoplasms. Mysliborski JA. **Compr Ther** 1981 Jan;7(1):61–5

Dermatofibrosarcoma protuberans: a case report and clinicopathologic review. Handel N, et al. **Cutis** 1980 Sep; 26(3):313–4, 317

Cutaneous epitheliomas on the lower extremities. Lewis JE. **Cutis** 1981 May;27(5):499, 502, 507

Angilymphoid hyperplasia appearing as a pilar cyst. Sciallis GF, et al. **Cutis** 1980 Sep;26(3):307–10, 312

An idiopathic leg ulcer as the presenting sign of lymphoma. Shelley WB. **Cutis** 1981 Jul;28(1):43–4

Cerebral venous angioma, cutaneous angioma, facial asymmetry and recurrent stroke. A case report. Tomaccini D, et al. **Eur Neurol** 1981;20(1):29–32

Reticulin impregnation in the diagnosis of malignant melanoma. Briggs JC. **Histopathology** 1980 Sep;4(5):507–16

Squamous cell carcinoma of the skin of the extremities. Ames FC, et al. **Int Adv Surg Oncol** 1980;3:179–99

Multiple cutaneous granular cell tumors simulating prurigo nodularis. Noppakun N, et al. **Int J Dermatol** 1981 Mar; 20(2):126–9

Accessory breast on the posterior thigh of a man. Camisa C. **J Am Acad Dermatol** 1980 Nov;3(5):467–9

Intraepithelial elastic fibers and intracytoplasmic glycogen: diagnostic aids in differentiating keratoacanthoma from squamous cell carcinoma. King DF, et al. **J Cutan Pathol** 1980 Jun;7(3):140–8

Telethermography in the diagnostics and management of malignant melanomas. Hartmann M, et al. **J Dermatol Surg Oncol** 1981 Mar;7(3):213–8

A holy tattoo [letter] Kohn SR. **J Dermatol Surg Oncol** 1981 May;7(5):363

Liquid–crystal thermography in determining the lateral extents of basal–cell carcinomas. Ratz JL, et al. **J Dermatol Surg Oncol** 1981 Jan;7(1):27–31

Plantar basal cell carcinoma: a case report. Galinski AW. **J Foot Surg** 1980 Spring;19(1):34–5

An unusual case of squamoid hyperplasia of heel simulating carcinoma. Nagar RC, et al. **J Indian Med Assoc** 1981 Jan; 76(1–2):20–1

Significance of mongolian spots [letter] Smialek JE. **J Pediatr** 1980 Sep;97(3):504–5

Fine–needle–aspiration cytodiagnosis of recurrent malignant melanoma. Hafström L, et al. **J Surg Oncol** 1980; 15(3):229–34

Verrucous carcinoma of the foot. Schwartz RA, et al. **J Surg Oncol** 1980;14(4):333–9

Mycosis fungoides: diagnostic criteria based on quantitative electron microscopy. McNutt NS, et al. **Lab Invest** 1981 May;44(5):466–74

S100 protein: a marker for human malignant melanomas? Gaynor R, et al. **Lancet** 1981 Apr 18;1(8225):869–71

Leprous histiocytoma. Misra RC. **Lepr India** 1980 Oct; 52(4):582–5

Acute monoblastic leukemia in two infants: clinical histochemical, and immunologic investigations. Raney RB Jr, et al. **Leuk Res** 1980;4(1):61–7

Cowden's disease (multiple hamartoma syndrome). Thyresson HN, et al. **Mayo Clin Proc** 1981 Mar; 56(3):179–84

Mycosis fungoides. Grekin DA, et al. **Med Clin North Am** 1980 Sep;64(5):1005–16

Cutaneous neoplasms; early detection. Mysliborski JA. **NY State J Med** 1980 Oct;80(11):1716–20

Prognosis in cutaneous melanoma: tumor thickness as a guide to treatment. Breslow A. **Pathol Annu** 1980;15(Pt 1):1–22

International pathologists congruence survey on quantitation of malignant melanoma. Larsen TE, et al. **Pathology** 1980 Apr;12(2):245–53

On angiomas of retina, brain, and skin [letter] Sobel LI, et al. **Pediatrics** 1981 May;67(5):753–4

Atypical pseudoepitheliomatous hyperplasia and squamous cell carcinoma in chronic cutaneous sinuses and fistulas. Johnston WH, et al. **Plast Reconstr Surg** 1980 Sep; 66(3):395–400

Skin cancer. White JE. **Practitioner** 1980 May; 224(1343):501–3

Biopsy and prognosis for cutaneous malignant melanomas in clinical stage I. Drzewiecki KT, et al. **Scand J Plast Reconstr Surg** 1980;14(2):141–4

Uselessness of thermography for diagnosis and follow–up of cutaneous malignant melanoma. Cristofolini M, et al. **Tumori** 1981 Mar–Apr;67(2):141–3

[Differential diagnosis of some skin diseases with pathological intraepidermal heteromorphic cell clumps (author's transl)] Chen XT, et al. **Chung Kuo I Hsueh Ko Hsueh Yuan Hsueh Pao** 1980 Sep; 2(3):184–6 (Eng. Abstr.) **(Chi)**

[Experience of long–term follow–up of melanoblastomas in the West Bohemian Region (author's transl)] Hula M. **Cesk Dermatol** 1980 Aug;55(4):229–37 **(Cze)**

[Clinical significance of tests for Thormählen–positive melanogen excretion in malignant melanoma] Matouš B, et al. **Cesk Dermatol** 1980 Aug;55(4):238–41 **(Cze)**

[Basocellular carcinoma in the orofacial region] Mazánek J, et al. **Cesk Stomatol** 1980 JUL;80(4):259–62 (Eng. Abstr.) **(Cze)**

[Disseminated cutaneous osteomatosis in an infant (author's transl)] Rotteleur G, et al. **Arch Fr Pediatr** 1980 Jun; 37(6):397–400 (Eng. Abstr.) **(Fre)**

[Malignant melanoma in children (clinical cases)] Carton FX, et al. **Dermatologica** 1980;161 Suppl 1:75–80 **(Fre)**

[Skin lymphoma in children. Clinical course in 5 cases] Geerts ML, et al. **Dermatologica** 1980;161 Suppl 1:111–25 **(Fre)**

[Case reports of rare tumors in children] Ma Mascaró J. **Dermatologica** 1980;161 Suppl 1:52–9 **(Fre)**

[Pseudolymphoma] Marghescu S. **Dermatologica** 1980;161 Suppl 1:126–9 **(Fre)**

[Angiodysplasia in children] Schneider W. **Dermatologica** 1980;161 Suppl 1:42–51 **(Fre)**

[Melanoma in childhood] Konz B. **Dermatologica** 1980;161 Suppl 1:62–73 **(Ger)**

[Pseudolymphoma in childhood] Steigleder GK, et al. **Dermatologica** 1980;161 Suppl 1:130–7 **(Ger)**

[Bowenoid papulosis (author's transl)] Tritsch H. **Dtsch Med Wochenschr** 1980 Jun 20;105(25):887–91 (Eng. Abstr.) **(Ger)**

[Malignant melanomas of the skin. Early diagnosis and differential diagnosis.––conclusion] Weidner F. **Fortschr Med** 1980 Oct 9;98(38):1449–52 (Eng. Abstr.) **(Ger)**

[Malignant melanoma of the skin. Early diagnosis and differential diagnosis] Weidner F. **Fortschr Med** 1980 Sep 18;98(35):1317–21 **(Ger)**

[Localized poikiloderma vascularis atrophicans as an early manifestation of Hodgkin's disease of the nodular–sclerosing type] Bardach H, et al. **Hautarzt** 1981 Mar;32(3):126–9 (Eng. Abstr.) **(Ger)**

[The multiple hamartoma syndrome (Cowden syndrome)] Fritsch P, et al. **Hautarzt** 1981 Jun;32(6):285–91 (Eng. Abstr.) **(Ger)**

[Naevus sebaceus Jadassohn and syringocystadenoma papilliferum. Epithelial hamartoma of the skin] Mensing H, et al. **Hautarzt** 1981 Mar;32(3):130–5 (Eng. Abstr.) **(Ger)**

[Diagnostic accuracy in epithelial skin tumors] Weidner F, et al. **Hautarzt** 1981 Jul;32(7):359–63 (Eng. Abstr.) **(Ger)**

[Bowen's disease and Paget's disease] Hoede N. **Med Welt** 1981 May 1;32(18):689–90 **(Ger)**

[Suspicion of 'black liver'] Kuntz HD. **MMW** 1980 Dec 19; 122(51–52):38 **(Ger)**

[Neurofibromatosis with multiple lateral meningocele (author's transl)] Oepen G, et al. **Nervenarzt** 1981 Mar; 52(3):178–80 **(Ger)**

[Histologic diagnosis of 'B–K–mole Syndrome'. Familial melanoma and atypical disseminated pigmentation] Hundeiker M. **Pathologe** 1980 May;1(3):164–6 **(Ger)**

[Sclerosing epithelial hamartoma. Histologic differential diagnosis] Hundeiker M. **Pathologe** 1980 May;1(3):159–60 **(Ger)**

[Circumscribed pseudolymphomas: definition, diagnosis and differential diagnosis] Balda BR. **Z Hautkr** 1980 Oct 15; 55(20):1340–8 (Eng. Abstr.) **(Ger)**

[Enzyme cytochemical and immunological procedures for diagnosis of pseudolymphomas and skin lymphomas] Burg G. **Z Hautkr** 1980 Oct 15;55(20):1351–66 **(Ger)**

[5–S–cysteinyldopa in the urine – a 'tumor test' for malignant melanoma? Comparison with the usual laboratory examinations] Paul E, et al. **Z Hautkr** 1980 Dec 1; 55(23):1543–60 (Eng. Abstr.) **(Ger)**

[Immediate examination of cryostat sections of malignant melanomas] Steigleder GK, et al. **Z Hautkr** 1980 Jun 1; 55(11):702–8 (Eng. Abstr.) **(Ger)**

[Case of primary T–lymphocyte lymphosarcoma of the skin] Papla B, et al. **Patol Pol** 1980 Apr–Jun;31(2):311–9 **(Pol)**

[2 cases of Malherbe's calcifying epithelioma in extracephalic location] Przystasz T. **Wiad Lek** 1981;34(7):607–8 (Eng. Abstr.) **(Pol)**

[Malignant tumors after radiation injuries to the skin and their treatment] Bardychev MS, et al. **Med Radiol (Mosk)** 1980 Nov;25(11):24–8 (Eng. Abstr.) **(Rus)**

[Preoperative diagnosis of skin melanoma] Anishchenko IS, et al. **Sov Med** 1980;(9):79–81 **(Rus)**

[Cutaneous endometriosis (clinical aspects, diagnosis and treatment)] Kalamkarian AA, et al. **Vestn Dermatol Venerol** 1981 Feb;(2):4–9 (Eng. Abstr.) **(Rus)**

[Multi–diagnosis of pigmented skin neoplasms] Khonelidze GB, et al. **Vopr Onkol** 1981;27(4):12–6 (Eng. Abstr.) **(Rus)**

[Thermographic diagnosis of skin melanomas] Mazurin VIa, et al. **Vopr Onkol** 1981;27(4):8–11 **(Rus)**

[Multiple primary melanoblastoma of the skin] Vagner RI, et al. **Vopr Onkol** 1980;26(11):79–83 (Eng. Abstr.) **(Rus)**

[Primary spinocellular carcinoma of the skin on the finger (author's transl)] Simek J, et al. **Bratisl Lek Listy** 1980 Dec; 74(6):675–8 (Eng. Abstr.) **(Slo)**

DRUG THERAPY

Hyperthermic perfusion of recurrent malignant melanoma on the extremities. Hafström L, et al. **Acta Chir Scand** 1980; 146(5):313–8

Combination chemotherapy in the tumour stage of mycosis fungoides with cyclophosphamide, vincristine, vp–16, adriamycin and prednisolone (cop, chop, cavop): a report from the Scandinavian mycosis fungoides study group. Molin L, et al. **Acta Derm Venereol (Stockh)** 1980; 60(6):542–4

Photochemotherapy (PUVA) in the tumour stage of mycosis fungoides: a report from the Scandinavian Mycosis Fungoides Study Group. Molin L, et al. **Acta Derm Venereol (Stockh)** 1981;61(1):52–4

Photochemotherapy (PUVA) in the pretumour stage of mycosis fungoides: a report from the Scandinavian Mycosis Fungoides Study Group. Molin L, et al. **Acta Derm Venereol (Stockh)** 1981;61(1):47–51

Focal contact sensitivity to nitrogen mustard in lesions of cutaneous T–cell lymphoma (mycosis fungoides). Shelley WB. **Acta Derm Venereol (Stockh)** 1981;61(2):161–4

Retinoids in the treatment and prevention of dermatoses and epithelial neoplasias. Lauharanta J. **Ann Clin Res** 1980 Jun; 12(3):123–30

A new concept in the management of Marjolin's ulcers. Ryan RF, et al. **Ann Surg** 1981 May;193(5):598–605

The treatment of mycosis fungoides with PUVA. Rotstein H, et al. **Australas J Dermatol** 1980 Aug;21(2):100–4

Demethylchlortetracycline and griseofulvin as examples of specific treatment for mycosis fungoides. Shelley WB. **Br J Dermatol** 1981 Apr;104(4):477–80

Isolated limb perfusion with melphalan in the treatment of malignant melanoma. Bulman AS, et al. **Br J Surg** 1980 Sep;67(9):660–2

Melphalan perfusion in treatment of melanoma [letter] Jönsson PE. **Br J Surg** 1981 May;68(5):369–70

Long–term complete remissions of Kaposi's sarcoma with vinblastine therapy. Solan AJ, et al. **Cancer** 1981 Feb 15; 47(4):637–9

Phase II study of 4'–(9–acridinylamino) methanesulfon–m–anisidide (AMSA) in metastatic melanoma. Legha SS, et al. **Cancer Clin Trials** 1980 Summer;3(2):111–4

Re–evaluation of the combination of CCNU, vincristine, and bleomycin in the treatment of malignant disseminated melanoma. Abele R, et al. **Cancer Treat Rep** 1981 May–Jun; 65(5–6):505–6

Phase II study of maytansine and chlorozotocin in patients with disseminated malignant melanoma. Ahmann DL, et al. **Cancer Treat Rep** 1980 Apr–May;64(4–5):721–3

Tamoxifen in the treatment of malignant melanoma [letter] Masiel A, et al. **Cancer Treat Rep** 1981 May–Jun; 65(5–6):531–2

Combination chemotherapy for advanced cutaneous T–cell lymphomas. Raafat J, et al. **Cancer Treat Rep** 1980; 64(12):1371–4

Relative pulmonary toxicity and antitumor effects of two new bleomycin analogs, pepleomycin and tallysomycin A. Sikic BI, et al. **Cancer Treat Rep** 1980 Apr–May; 64(4–5):659–67

Effect of an aromatic retinoic acid analog (Ro 10–9359) on growth of virus–induced papilloma (Shope) and related neoplasia of rabbits. Ito Y. **Eur J Cancer** 1981 Jan; 17(1):35–42

Immunotherapy of experimental cancer with a mixture of synthetic muramyl dipeptide and trehalose dimycolate. Yarkoni E, et al. **Infect Immun** 1981 Apr;32(1):273–6

Leukemia cutis in blastic transformation of chronic myelocytic leukemia: TdT positive blasts and response to vincristine and prednisone. Ansell JE, et al. **J Cutan Pathol** 1980 Oct;7(5):302–9

Management of mycosis fungoides. du Vivier A. **J R Soc Med** 1979 Oct;72(10):717–8

Malignant melanoma: tamoxifen and oestrogen receptors [letter] Furnival CM, et al. **Lancet** 1981 Aug 15; 2(8242):374–5

Long–term complete remission of malignant melanoma with tamoxifen [letter] Mirimanoff RO, et al. **Lancet** 1981 Jun 20;1(8234):1368–9

Effects of large doses of dialysable leukocyte extract. Khan A, et al. **Proc Soc Exp Biol Med** 1980 Oct;165(1):91–5

Current status of PEP bleomycin studies in Japan. Ikeda S, et al. **Recent Results Cancer Res** 1981;76:41–60

[Therapy of morbus Bowen with 5–fluoro–uracil ointment (author's transl)] Krause H, et al. **Derm Beruf Umwelt** 1979; 27(6):176–8 (Eng. Abstr.) **(Ger)**

[Photosensitization with DTIC therapy in metastatic malignant melanoma] Bolling R, et al. **Hautarzt** 1980 Nov; 31(11):602–5 (Eng. Abstr.) **(Ger)**

[Partial synchronization and cytostatic combination therapy of disseminated malignant lymphomas of the skin] Runne U, et al. **Hautarzt** 1980 Oct;31(10):548–55 (Eng. Abstr.) **(Ger)**

[Combination chemotherapy with cis–dichloro–diammineplatinum (II) and ifosfamide in

malignant melanomas (author's transl)] Balda BR, et al. **Klin Wochenschr** 1981 Jul 15;59(14):781–6 (Eng. Abstr.) **(Ger)**

[Veno-occlusive syndrome with acute liver dystrophy following decarbazine therapy of malignant melanoma (author's transl)] Voigt H, et al. **Klin Wochenschr** 1981 Mar 2;59(5):229–36 (Eng. Abstr.) **(Ger)**

[Regional perfusion of the extremity – experience in 81 patients with malignant melanomas (author's transl)] Ghussen F, et al. **Z Hautkr** 1981 Jul 15;56(14):911–20 (Eng. Abstr.) **(Ger)**

[Efudix therapy of extensive basal cell carcinomas] Kovacs L. **Z Hautkr** 1980 Jun 15;55(12):834–6 **(Ger)**

[Effect of lymphokines on skin cancer] Nagy-Vezekényi K, et al. **Z Hautkr** 1980 Dec 15;55(24):1630–6 **(Ger)**

[Photochemotherapy of T-cell lymphomas] Oberste-Lehn H. **Z Hautkr** 1980 Oct 15;55(20):1335–9 (0 ref.) **(Ger)**

[Change of level of mycosis fungoides under systemic PUVA-therapy (author's transl)] Tourbier H, et al. **Z Hautkr** 1981 Jul 15;56(14):923–9 (Eng. Abstr.) **(Ger)**

[A case of malignant histiocytosis: treatment of cutaneous involvement by bleomycin (author's transl)] Inoue M, et al. **Rinsho Ketsueki** 1980 Jul;21(7):977–83 (Eng. Abstr.) **(Jpn)**

[Remote results of treatment of basal cell epitheliomas of the skin with 5-fluorouracil] Chodynicka B. **Przegl Dermatol** 1981 Jan-Feb;68(1):85–7 (Eng. Abstr.) **(Pol)**

[Effects of certain chemopreparations on transplantable strains of human tumors, melanoma and Ewing sarcoma, obtained from tissue cultures] Revazova ES. **Vestn Akad Med Nauk SSSR** 1980;(12):81–4 **(Rus)**

[Use of colchamine in combination with dimexide for treating skin neoplasms] Podliashchuk EL, et al. **Vestn Dermatol Venerol** 1980 Oct;(10):59–61 (17 ref.) (Eng. Abstr.) **(Rus)**

[Comparison of the efficacy of imidazole-carboxamide and of a combination of nitrosomethylurea, vincristine and dactinomycin in disseminated melanoma] Kogoniia LM, et al. **Vopr Onkol** 1981;27(4):16–21 (Eng. Abstr.) **(Rus)**

[Effect of the joint action of retinol palmitate and BCG vaccine on the occurrence of skin tumors induced by DMBA] Nozdrin VI, et al. **Vopr Onkol** 1981;27(2):93–4 **(Rus)**

[Multiple clear cell acanthoma in a patient with psoriasis. Treatment with 5-fluorouracil] Garcia Almagro D, et al. **Med Cutan Iber Lat Am** 1979;7(4–6):109–13 (Eng. Abstr.) **(Spa)**

[Camouflage treatment of cosmetic disturbing skin changes] Hersle K, et al. **Lakartidningen** 1980 Dec 24;77(52):4937–8 **(Swe)**

ENZYMOLOGY

Enzyme polymorphism of dermal lymphocytes in mycosis fungoides. Sterry W, et al. **Arch Dermatol Res** 1981; 270(2):185–7

LDH isozymes in transplantable hamster tumours with different histogenesis and differentiation. Nicolov IG, et al. **Arch Geschwulstforsch** 1981;51(2):174–8

Acid glycosidases in basal cell epithelioma and in seborrhoeic keratosis. De Bersagues J. **Br J Dermatol** 1981 Feb; 104(2):147–51

Arylsulphatases in tumours [letter] De Bersaques J. **Br J Dermatol** 1981 Feb;104(2):221–2

Isolation and characterization of tyrosinase inhibitors and their differential action on melanogenic subcellular compartments in amelanotic and melanomas. Imokawa G, et al. **Br J Dermatol** 1980 Dec;103(6):625–33

The enzyme histochemistry of metastasising basal cell carcinoma of the skin. Elias EA, et al. **J Pathol** 1980 Jul; 131(3):235–41

[Enzyme histochemical study of dermatofibrosarcoma protuberans – tumor of neural connective tissue] Cramer HJ, et al. **Dermatol Monatsschr** 1981 Jan;167(1):38–40 **(Ger)**

ETIOLOGY

PUVA treatment and skin cancer: A follow-up study. Lassus A, et al. **Acta Derm Venereol (Stockh)** 1981;61(2):141–5

Skin infiltration in Hodgkin's disease. Gordon RA, et al. **Arch Dermatol** 1980 Sep;116(9):1038–40

Kaposi's sarcoma after immunosuppressive therapy with prednisone. Hoshaw RA, et al. **Arch Dermatol** 1980 Nov; 116(11):1280–2

Skin cancer in patients with psoriasis treated with coal tar. A 25-year follow-up study. Pittelkow MR, et al. **Arch Dermatol** 1981 Aug;117(8):465–8

Lentigo maligna melanoma in a treated psoriatic plaque. Proctor MS, et al. **Arch Dermatol** 1981 Mar;117(3):149–50

Verrucous carcinoma in a reanl transplant patient after long-term immunosuppression. Turner JE, et al. **Arch Dermatol** 1980 Sep;116(9):1074–6

Basal cell epitheliomas after repeated fluoroscopic examinations of the chest [letter] Zeligman I. **Arch Dermatol** 1980 Oct;116(10):1100–1

Basal cell carcinomas following roentgen therapy of ankylosing spondylitis. Good AE, et al. **Arthritis Rheum** 1980 Sep;23(9):1065–6

Cutaneous carcinoma arising in erosive pustular dermatosis of the scalp. Lovell CR, et al. **Br J Dermatol** 1980 Sep; 103(3):325–8

Malignant melanoma arising at tattoo sites used for radiotherapy field marking. Bartal AH, et al. **Br J Radiol** 1980 Sep;53(633):913–4

Sunscreens, photocarcinogenesis, melanogenesis, and psoralens [editorial] **Br Med J [Clin Res]** 1981 Aug 1; 283(6287):335–6

Squamous cell carcinoma in dominant type epidermolysis bullosa dystrophica. Schwartz RA, et al. **Cancer** 1981 Feb 1;47(3):615–20

In vitro transformation of primary cultures of neonatal BALB/c mouse epidermal cells with ultraviolet-B radiation. Ananthaswamy HN, et al. **Cancer Res** 1981 Jul; 41(7):2882–90

Etiologic agents in the development of skin cancer. Bechtel MA, et al. **Clin Plast Surg** 1980 Jul;7(3):265–75

Immunosuppression and skin cancer. Penn I. **Clin Plast Surg** 1980 Jul;7(3):361–8

Pilomatricomas: association with myotonic dystrophy. Aso M, et al. **Dermatologica** 1981;162(3):197–202

Klippel-Trenaunay--Weber syndrome. Ofodile FA. **East Afr Med J** 1981 Apr;58(4):298–302

Tar, ultraviolet light, PUVA, and cancer [editorial] Grupper C. **J Am Acad Dermatol** 1980 Dec;3(6):643–6

Eruptive blue nevi. Hendricks WM. **J Am Acad Dermatol** 1981 Jan;4(1):50–3

Incidence of skin cancers in patients with atopic dermatitis treated with ocal tar. A 25-year follow-up study. Maughan WZ, et al. **J Am Acad Dermatol** 1980 Dec;3(6):612–5

Squamous cell carcinoma in blacks with discoid lupus erythematosus. Presser SE, et al. **J Am Acad Dermatol** 1981 Jun;4(6):667–9

Pathophysiology of neurofibromatosis. IV. Dermatologic insights into heterogeneity and pathogenesis. Riccardi VM. **J Am Acad Dermatol** 1980 Aug;3(2):157–66

Skin cancer in the PUVA-48 cooperative study. Roenigk HH Jr, et al. **J Am Acad Dermatol** 1981 Mar;4(3):319–24

Aggressive behavior of squamous cell carcinoma in a patient with preceding lymphocytic lymphoma. Turner JE, et al. **J Am Acad Dermatol** 1981 Apr;4(4):446–50

Basal-cell carcinoma on and around the female genitalia. Goldberg LH, et al. **J Dermatol Surg Oncol** 1981 Jul; 7(7):572–5

Basal-cell carcinomas on the scalp of a black patient many years after epilation by x rays. Walther RR, et al. **J Dermatol Surg Oncol** 1981 Jul;7(7):570–1

Tumor promotion by abrasion induced epidermal hyperplasia in the skin of mice. Argyris TS. **J Invest Dermatol** 1980 Oct;75(4):360–2

Photocarcinogenesis: an overview. Forbes PD. **J Invest Dermatol** 1981 Jul;77(1):139–43

The rapid induction of cancers in the hairless mouse utilizing the principle of photoaugmentation. Willis I, et al. **J Invest Dermatol** 1981 May;76(5):404–8

Lymphomatoid papulosis and primary cutaneous Hodgkin's disease. Dowd PM, et al. **J R Soc Med** 1981 Jan;74(1):68–71

A dose-response model for skin cancer induction by chronic U.V. exposure of a human population. de Gruijl FR, et al. **J Theor Biol** 1980 Apr 7;83(3):487–504

Carcinoma at the site of herpes simplex infection [letter] Gecht ML. **JAMA** 1980 Oct 10;244(15):1675

The aetiology of melanoma [editorial] **Lancet** 1981 Jan 31; 1(8214):253–5

Initial event in mycosis fungoides of the skin is viral infection of epidermal Langerhans cells. MacKie RM. **Lancet** 1981 Aug 8;2(8241):283–5

Malignant melanoma in patient with renal transplant [letter] Younis FM, et al. **Lancet** 1980 Nov 22;2(8204):1141

Are melanomas hormone-dependent? [editorial] **Med J Aust** 1981 Apr 4;1(7):328

Excessive washing and melanoma [letter] O'Rourke DA. **Med J Aust** 1980 Dec 13;2(12):684

Are melanomas hormone-dependent? [letter] Young LF. **Med J Aust** 1981 Jun 13;1(12):654

Sensitivity of mice to benzo(a)pyrene skin cancer following acclimation to cool and warm temperature. Weiss HS, et al. **Proc Soc Exp Biol Med** 1981 May;167(1):122–8

Inadvertent transplantation of a melanoma. Fairman RM, et al. **Transplantation** 1980 Nov;30(5):328–30

[PUVA therapy and skin cancer] Lassus A, et al. **Duodecim** 1981;97(4):185–90 **(Fin)**

[Isolated infiltrated cutaneous nodule revealing acute leukaemia (author's transl)] Lambert D, et al. **Ann Dermatol Venereol** 1980 Jul;107(7):669–72 (Eng. Abstr.) **(Fre)**

[Disseminated cutaneous osteosis. Apropos of a case] Kuntz JL, et al. **Rev Rhum Mal Osteoartic** 1980 Jul-Sep; 47(7-9):517–21 **(Fre)**

[UV radiation as occupational environmental damage (author's transl)] Michailov P, et al. **Derm Beruf Umwelt** 1981;29(1):5–8 (Eng. Abstr.) **(Ger)**

[Unusual early changes in malignant lymphoma of the B-cell type with a low degree of malignity] Bork K, et al. **Z Hautkr** 1980 Aug 15;55(16):1061–71 **(Ger)**

[Immunoma, a new pathogenetic concept] Schuppli R. **Z Hautkr** 1980 Oct 15;55(20):1372–7 **(Ger)**

[Effect of contact hypersensitivity on experimental carcinogenesis (author's transl)] Takeuchi R. **Nippon Hifuka Gakkai Zasshi** 1980 Dec;90(14):1343–52 **(Jpn)**

[Etiopathogenesis of malignant melanoma] Pawińska M, et al. **Przegl Dermatol** 1980;67(6):805–9 (31 ref.) **(Pol)**

[Lichen planus verrucosum and spinocellular carcinoma] Leitão A, et al. **Med Cutan Iber Lat Am** 1981;9(1):57–61 (Eng. Abstr.) **(Por)**

[Kaposi's sarcoma and pulmonary tuberculosis] Grigor'ev IuG, et al. **Probl Tuberk** 1980 Dec;(12):67–8 **(Rus)**

[Late occurrence of skin cancer at the site of a former hemangioma after short-focus x-ray therapy] Konevalov RV, et al. **Vopr Onkol** 1981;27(2):92–3 **(Rus)**

FAMILIAL & GENETIC

Familial multiple lipomatosis. Mohar N. **Acta Derm Venereol (Stockh)** 1980;60(6):509–13

Inheritance of giant pigmented hairy nevus of the scalp [letter] Hecht F, et al. **Am J Med Genet** 1981;9(2):177–8

Haber's syndrome. Report of a new family. Kikuchi I, et al. **Arch Dermatol** 1981 Jun;117(6):321–4

Familial variant of dermatofibroma with malignancy in the proband. Roberts JT, et al. **Arch Dermatol** 1981 Jan; 117(1):12–5

Familial mycosis fungoides revisited. Shelley WB. **Arch Dermatol** 1980 Oct;116(10):1177–8

Risk factors of the cutaneous melanoma phenotype. Jung EG, et al. **Arch Dermatol Res** 1981;270(1):33–6

Familial atypical multiple mole melanoma (FAMMM) syndrome: genetic heterogeneity and malignant melanoma. Lynch HT, et al. **Br J Cancer** 1980 Jul;42(1):58–70

Familial occurrence of intracranial arterial occlusive disease (Moyamoya) in neurofibromatosis. Erickson RP, et al. **Clin Genet** 1980 Sep;18(3):191–6

An autosomal dominant inheritance for multiple sunlight-induced malignancy in a patient without abnormalities in DNA repair or replication. Repository identification No. GM2881. Cleaver JE, et al. **Cytogenet Cell Genet** 1981;29(2):122–4

Familial cutaneous leiomyomatosis. Thyresson HN, et al. **J Am Acad Dermatol** 1981 Apr;4(4):430–4

Linkage between a regulatory locus for melanoma cell differentiation and an esterase locus in Xiphophorus. Ahuja MR, et al. **J Hered** 1980 Nov-Dec;71(6):403–7

Spontaneous cervical epidural hemorrhage, anterior cord syndrome, and familial vascular malformation [letter] Foo D, et al. **Neurology (NY)** 1980 Nov;30(11):1253–4

Familial multiple lipomatosis. Dolph JL, et al. **Plast Reconstr Surg** 1980 Oct;66(4):620–2

[Familial malignant melanomas] Martijn H, et al. **Ned Tijdschr Geneeskd** 1981 Jul 25;125(30):1194–8 (Eng. Abstr.) **(Dut)**

[Is the BK mole syndrome always an autosomal dominant trait?] Bovet R, et al. **Ann Dermatol Venereol** 1980; 107(12):1173–8 (Eng. Abstr.) **(Fre)**

[Disseminated cutaneous osteosis. A familial form] Renier JC, et al. **Rev Rhum Mal Osteoartic** 1980 Nov;47(11):671–2 **(Fre)**

[Blood groups and a family with basal cell nevus syndrome (author's transl)] Linss G, et al. **Dermatol Monatsschr** 1980 Sep;166(9):616–21 (Eng. Abstr.) **(Ger)**

[An unusual familial naevus verrucosus] Zabel M, et al. **Hautarzt** 1981 Mar;32(3):149–52 (Eng. Abstr.) **(Ger)**

[Familial multiple naevogene melanomas. Electronmicroscopical findings in pigmented moles of the B-K-mole syndrome (author's transl)] Wassilew S, et al. **Z Hautkr** 1981 Jul 15;56(14):931–41 (Eng. Abstr.) **(Ger)**

[A case of cutaneous T cell lymphoma (mycosis fungoides) associated with multiple hematological malignancies in the patient's sibship] Nara N, et al. **Rinsho Ketsueki** 1980 Jul; 21(7):1007–12 (Eng. Abstr.) **(Jpn)**

HISTORY

A possible histiocytoma in an Egyptian mummy. Zimmerman MR. **Arch Dermatol** 1981 Jun;117(6):364–5

Mongolian spot; Afro-Asian stain; sacral stain. Levin S. **S Afr Med J** 1981 Jul 25;60(4):123–4

IMMUNOLOGY

A comparative study of seborrheic keratoses and basal cell epitheliomas by complement immunofluorescence and electron microscopy. Kimura S, et al. **Acta Derm Venereol (Stockh)** 1980;60(3):203–7

Cell-mediated immune response to basal cell carcinoma. Raffle EJ, et al. **Acta Derm Venereol (Stockh)** 1981; 61(1):66–8

Studies of cellular mediated immunity in malignant melanoma patients by Leukocyte Adherence Inhibition Test. Müller S, et al. **Arch Dermatol Res** 1980;268(2):167–81

Comparison of the antigenicity of melanotic and amelanotic melanoma cells after the release of surface glycoproteins by trypsin. Kozłowska K, et al. **Arch Immunol Ther Exp (Warsz)** 1980;28(4):641–4

Some aspects of cell-mediated hypersensitivity in patients with melanoma. Moszkowska G, et al. **Arch Immunol Ther Exp (Warsz)** 1980;28(4):655–60

Immune-complexes in malignant skin melanoma: quantitation by three methods, purification, and characterization of their non-tumor related constituents. Borzini P, et al. **Boll Ist Sieroter Milan** 1980 Sep 30;59(4):366–73

In situ identification and enumeration of T lymphocytes in cutaneous T-cell lymphomas by demonstration of granular activity of acid non-specific esterase. Sterry W, et al. **Br J Dermatol** 1980 Jul;103(1):67–72

Lymphocyte cytotoxicity of patients developing multiple primary melanomas. Mukherji B, et al. **Cancer** 1980 Oct 1;46(7):1566–71

Studies of antibody affinity in plasmacytoma-bearing mice: evidence for a maturational defect of B lymphocytes. Zolla-Pazner S, et al. **Cell Immunol** 1981 Jul 15; 62(1):149–55

Detection and possible pathogenic role of circulating immune complexes in skin tumours of children. Delire M. **Dermatologica** 1980;161 Suppl 1:90–7

Enhancement of lethal metastasis of plasmacytoma in mice rendered tolerant to tumor-associated transplantation antigens. Fujiwara H, et al. **Gan** 1980 Aug;71(4):479–89

Development of carcinogen-induced skin tumors in mice with varied states of immune capacity. Outzen HC. **Int J Cancer** 1980 Jul 15;26(1):87–92

The immunobiology of human malignant melanoma. Bystryn JC. **Int J Dermatol** 1980 Sep;19(7):375–8 (13 ref.)

Melanoma. Associated antigens in benign melanocytic disorders. Fox JN, et al. **Int J Dermatol** 1981 Jun; 20(5):368–73

Deviant immune responses to allogeneic tumors injected intracamerally and subcutaneously in mice. Niederkorn J, et al. **Invest Ophthalmol Vis Sci** 1981 Mar;20(3):355–63

Decreased lymphocyte blastogenic responses in patients with multiple basal cell carcinoma. Myskowski PL, et al. **J Am Acad Dermatol** 1981 Jun;4(6):711–4

Natural antibodies to the human T cell lymphoma virus in patients with cutaneous T cell lymphomas. Posner LE, et al. **J Exp Med** 1981 Aug 1;154(2):333–46

Collagen phagocytosis in multicentric reticulohistiocytosis. Caputo R, et al. **J Invest Dermatol** 1981 May;76(5):342–6

Experimental photoimmunology: immunologic ramifications of UV-induced carcinogenesis. Daynes RA, et al. **J Invest Dermatol** 1981 Jul;77(1):77–85

Differences in the immunologic reactivity of mice treated with UVB or methoxsalen plus UVA radiation. Kripke ML, et al. **J Invest Dermatol** 1981 Jun;76(6):445–8

Comparison of cell-mediated immunity to melanoma cells in patients with vitiligo, halo nevi or melanoma. Mitchell MS, et al. **J Invest Dermatol** 1980 Aug;75(2):144–7

Cryoglobulinemia and decreased monocyte chemotaxis is malignant melanoma. Norris DA, et al. **J Invest Dermatol** 1980 Sep;75(3):219–23

Alterations in antigenic properties of normal epidermis adjacent to basal cell carcinomas. Wolf D, et al. **J Invest Dermatol** 1981 Jun;76(6):442–4

Malignant melanoma in renal-transplant recipients. Greene MH, et al. **Lancet** 1981 May 30;1(8231):1196–9

Phenotypic characterization of cutaneous T-cell lymphoma. Use of monoclonal antibodies to compare with other malignant T cells. Haynes BF, et al. **N Engl J Med** 1981 May 28;304(22):1319–23

Characterization of suppressor cells in mice with a transplantable malignant melanoma. Stelzer GT, et al. **Oncology** 1980;37(6):397–405

Immunology of UV-induced skin cancer. Kripke ML. **Photochem Photobiol** 1980 Dec;32(6):837–9

Immunity and skin cancer. Smith EB, et al. **South Med J** 1981 Jan;74(1):44–6 (29 ref.)

[Immunoreactivity in patients with surgically removed melanoma in the course of BCG vaccination (author's transl)] Lochman I, et al. **Cesk Dermatol** 1980;55(6):372–7 (Eng. Abstr.) **(Cze)**

[Characterization of an associated polyclonal B lymphocytic population in the dermal infiltrates of mycosis fungoides. Study by immunofluorescence in sections of skin lesions (author's transl)] Simony J, et al. **Arch Anat Cytol Pathol** 1981;29(1):23–8 (Eng. Abstr.) **(Fre)**

[Netherton syndrome: weakened immunity, generalized verrucosis and carcinogenesis] Hintner H, et al. **Hautarzt** 1980 Aug;31(8):428–32 (Eng. Abstr.) **(Ger)**

[Immune response against a human skin squamous cell carcinoma: humoral and cell-mediated immunity (author's transl)] Kondo S, et al. **Nippon Hifuka Gakkai Zasshi** 1980 Aug;90(9):803–13 **(Jpn)**

[Evaluation of cellular immunity in melanoma by means of a modified leukocyte migration inhibition test] Bowszyc J, et al. **Przegl Dermatol** 1980 May-Jun;67(3):319–23 (Eng. Abstr.) **(Pol)**

[Bound IgG, IgM, IgA and complement in the epidermis of the growth zone of skin tumors] Beletskaia LV, et al. **Vestn Dermatol Venerol** 1981 Jan;(1):13–6 (Eng. Abstr.) **(Rus)**

[Cross-reacting antigen common to stratified squamous epithelium and Streptococcus group A in tumors of epidermal origin] Silagadze DG, et al. **Vopr Onkol** 1981; 27(6):27–32 (Eng. Abstr.) **(Rus)**

[Immunological monitoring in patients with malignant melanoma (author's transl)] Uhrik J, et al. **Cesk Dermatol** 1980;55(6):361–67 (Eng. Abstr.) **(Slo)**

[Melanoma (Hutchinson's lentigo maligna) having spontaneous regression. A case of immunologic importance] Grinspan D, et al. **Med Cutan Iber Lat Am** 1980;8(1-3):33–45 (Eng. Abstr.) **(Spa)**

METABOLISM

Lectin-binding affinities of human epidermal tumors and related conditions. Louis CJ, et al. **Am J Clin Pathol** 1981 May;75(5):642–7

Study of DNA repair on a xeroderma pigmentosum patient and his heterozygotic parents. Went M, et al. **Arch Dermatol Res** 1981;270(3):291–7

Interferon and adrenocorticotropic hormone induction of steroidogenesis, melanogenesis and antiviral activity. Blalock JE, et al. **Arch Virol** 1981;67(1):45–9

Loss of beta2 microglobulin from the cell surface of cutaneous malignant and premalignant lesions. Turbitt ML, et al. **Br J Dermatol** 1981 May;104(5):507–13

Haematoporphyrin diacetate: a probe to distinguish malignant from normal tissue by selective fluorescence. Henderson RW, et al. **Br J Exp Pathol** 1980 Aug;61(4):345–50

Neuroendocrine carcinoma (trabecular carcinoma) of the skin with ectopic ACTH production. Iwasaki H, et al. **Cancer** 1981 Aug 1;48(3):753–6

Cellular retinoic acid-binding protein in virus-induced Shope papillomas of rabbit skin. Rattanapanone V, et al. **Cancer Res** 1981 Apr;41(4):1483–7

Cytochemical studies of nuclear DNA and RNA in normal and abnormal keratinizing tissues. Suzuki H, et al. **Curr Probl Dermatol** 1980;10:127–40

Detectability of radiation damage to melanoma cells using ESR spectroscopy. A review. Gurbiel R, et al. **Folia Histochem Cytochem (Krakow)** 1980;18(2):87–99 (32 ref.)

Natural resistance to methotrexate in human melanomas. Kufe DW, et al. **J Invest Dermatol** 1980 Oct;75(4):357–9

Filamentous protein of basal cell epithelioma: characteristics in vivo and in vitro. Kubilus J, et al. **JNCI** 1980 Nov; 65(5):869–75

Neurotransmitter analysis of dermal neurofibromas: implications for the pathogenesis and treatment of neurofibromatosis. Rubenstein AE, et al. **Neurology (NY)** 1981 Sep;31(9):1184–8

[Histochemical and ultrastructural characteristics of sarcomas induced by plastic strips] Eliseev VV, et al. **Vopr Onkol** 1980;26(10):75–9 (Eng. Abstr.) **(Rus)**

MICROBIOLOGY

Detection and isolation of type C retrovirus particles from fresh and cultured lymphocytes of a patient with cutaneous T-cell lymphoma. Poiesz BJ, et al. **Proc Natl Acad Sci USA** 1980 Dec;77(12):7415–9

MORTALITY

A prognostic model for clinical stage I melanoma of the upper extremity. The importance of anatomic subsites in predicting recurrent disease. Day CL Jr, et al. **Ann Surg** 1981 Apr;193(4):436–40

Malignant melanoma: social status and outdoor work. Lee JA, et al. **Br J Cancer** 1980 May;41(5):757–63

Malignant melanoma: sex differences in survival after evidence of distant metastasis. Rampen F. **Br J Cancer** 1980 Jul;42(1):52–7

Survival of cutaneous malignant melanoma patients at University of Iowa Hospitals: 1950—1974. Griffel M. **Cancer** 1981 Jan 1;47(1):176–83

Malignant melanoma: influence of site of lesion and age of patient in the female superiority in survival. Shaw HM, et al. **Cancer** 1980 Dec 15;46(12):2731–5

Incisional procedures and prognosis in malignant melanoma. Rampen FH, et al. **Clin Exp Dermatol** 1980 Sep;5(3):313–20

8-year-survival in malignant melanoma related to sex and tumor location. Weidner F. **Dermatologica** 1981; 162(1):51–60

Prognosis of stage I melanoma of the skin. Who collaborating centres for evaluation of methods of diagnosis and treatment of melanoma. **Int J Cancer** 1980 Dec 15; 26(6):733–9

An analysis of trends in mortality from malignant melanoma of the skin in Australia. Holman CD, et al. **Int J Cancer** 1980 Dec 15;26(6):703–9

Malignant melanoma of the lower extremity: evaluation of 453 patients. Ariel IM. **J Surg Oncol** 1980;15(2):147–69

Malignant melanoma of the upper extremities. Ariel IM. **J Surg Oncol** 1981;16(2):125–43

Survival in stage III malignant melanoma [letter] Markman M. **Lancet** 1980 Nov 15;2(8203):1090

Cutaneous malignant melanoma: occupational and prognosis. Shaw HM, et al. **Med J Aust** 1981 Jan 10;1(1):37–8

Clinical course of cutaneous malignant melanoma related to histopathological criteria of primary tumour. Drzewiecki KT, et al. **Scand J Plast Reconstr Surg** 1980;14(3):229–34

Malignant melanoma in West Virginia. Scher KS, et al. **South Med J** 1981 Jan;74(1):6–8

Trends in malignant melanoma of the skin. Jensen OM, et al. **World Health Stat Q** 1980;33(1):2–26 **(Eng, Fre)**

[Prognosis of cutaneous melanoma] Nieminen S, et al. **Duodecim** 1980;96(13):908–14 (Eng. Abstr.) **(Fin)**

[1st Stage I melanoma of the limbs. Prognosis on the basis of the depth of invasion and maximum thickness] Bresloy A, et al. **Vopr Onkol** 1980;26(11):15–21 (Eng. Abstr.) **(Rus)**

OCCURRENCE

Malignant melanoma and histiocytofibroma. Piette F, et al. **Acta Derm Venereol (Stockh)** 1980;60(5):434–6

Melanomas of eye: stability of rates. Strickland D, et al. **Am J Epidemiol** 1981 Jun;113(6):700–2

Seasonal patterns of skin melanoma incidence in Hawaii. Hinds MW, et al. **Am J Public Health** 1981 May;71(5):496–9

Mass screening for skin cancer [letter] Tennant FS Jr. **Am J Public Health** 1981 Oct;71(10):1172–3

Occupational clustering of melanoma [letter] Aldrich TE, et al. **Arch Dermatol** 1981 Jan;117(1):1–2

Relationship of Bowen's and non-Bowen's squamous intraepidermal neoplasia to internal malignant neoplasms [letter] Chuang TY, et al. **Arch Dermatol** 1981 Jun; 117(6):317–8

Malignant melanoma in southern Arizona. Increasing incidence and sunlight as an etiologic factor. Schreiber MM, et al. **Arch Dermatol** 1981 Jan;117(1):6–11

Epidermal skin cancer. Schwartz RA. **Ariz Med** 1979 Aug; 36(8):597–602

Clinico-epidemiological study of Kaposi's sarcoma in Egypt. el-Haddad S, et al. **Clin Radiol** 1981 May;32(3):355–8

Bowen's disease of the palm. Report of a case in an African. Jacyk WK. **Dermatologica** 1980;161(4):285–7

Malignant skin tumours in Sidamo, South Ethiopia. Lindtjorn B. **Ethiop Med J** 1980 Oct;18(4):159–62

The pattern of skin cancer in St. Luke's Hospital, Dublin. O'Loughlin G, et al. **Ir Med J** 1980 Nov;73(11):423–5

Granular cell tumor. An analysis of 16 cases and review of the literature. Apisarnthanarax P. **J Am Acad Dermatol** 1981 Aug;5(2):171–82

Malignant melanoma in the British Isles [letter] Cooke KR, et al. **Lancet** 1981 Mar 14;1(8220 Pt 1):607

Epidemiology of melanoma [letter] Hughes LE. **Lancet** 1981 Mar 7;1(8219):557

Melanoma in new South Wales 1970–1976. Confirmation of increased incidence. McCarthy WH, et al. **Med J Aust** 1980 Aug 9;2(3):137–40

Central nervous system metastases in malignant melanoma. Bullard DE, et al. **Neurosurgery** 1981 Jan;8(1):26–30

Cutaneous malignant melanoma in south-east Scotland. Pondes S, et al. **Q J Med** 1981;50(197):103–21

Melanoma in the South-East of Scotland: a review. Stilwell JH, et al. **Scott Med J** 1980 Jul;25(3):222–6 (14 ref.)

Pilomatrixoma (calcifying epithelioma) in Sarawak. Kothare SN. **Singapore Med J** 1981 Apr;22(2):96–8

[Epidemiology and prognosis of malignant melanoma (author's transl)] Fadrhoncová A. **Cesk Dermatol** 1980 Aug; 55(4):219–23 **(Cze)**

[Skin cancer epidemiology in the 'canton de Vaud', Switzerland. A 5-year survey (1974–1978) by the Vaud Cancer Registry (author's transl)] Levi FG, et al. **Praxis** 1981 Jun 16;70(25):1120–30 (28 ref.) **(Fre)**

PATHOLOGY

One case of confluent and reticulate papillomatosis (Gougerot-Carteaud). Faergemann J, et al. **Acta Derm Venereol (Stockh)** 1980;60(3):269–71

Cockade naevus: an unusual variant of the benign cellular naevus. James MP, et al. **Acta Derm Venereol (Stockh)** 1980; 60(4):360–3

Organoid nevus phakomatosis. Kuokkanen K, et al. **Acta Derm Venereol (Stockh)** 1980;60(6):534–7

Abnormal neuronal migration and gliomatosis cerebri in epidermal nevus syndrome. Choi BH, et al. **Acta Neuropathol (Berl)** 1981;53(4):319–25

Kaposi's sarcoma — Case report and review of Japanese cases. Tange T. **Acta Pathol Jpn** 1979 Mar;29(2):319–32

The intra-lesional variation of type, level of invasion, and tumour thickness of primary cutaneous malignant melanoma. Søndergaard K. **Acta Pathol Microbiol Scand [A]** 1980 Sep;88(5):269–74

Malignant melanoma of the foot. A clinicopathological study of 125 primary cutaneous malignant melanomas. Søndergaard K, et al. **Acta Pathol Microbiol Scand [A]** 1980 Sep;88(5):275–83

Clinicopathological correlation of common skin lesions on sun-damaged skin. Jones RE Jr, et al. **Ala J Med Sci** 1981 Apr;18(2):142–7

Basal cell carcinoma. Surgical pathology's perspective [editorial] Wilkerson JA, et al. **Ala J Med Sci** 1981 Apr; 18(2):123–4

Neurothekeoma--a benign cutaneous tumor of neural origin. Gallager RL, et al. **Am J Clin Pathol** 1980 Dec;74(6):759–64

Tricholemmoma. Ackerman AB, et al. **Am J Dermatopathol** 1980 Fall;2(3):207–24

Malignant melanoma. A unifying concept. Ackerman AB. **Am J Dermatopathol** 1980 Winter;2(4):309–13

Trichilemmoma. Benign follicular tumor or viral wart? Brownstein MH. **Am J Dermatopathol** 1980 Fall; 2(3):229–31

A preliminary communication on extensively disseminated Kaposi's sarcoma in young homosexual men. Gottlieb GJ, et al. **Am J Dermatopathol** 1981 Summer;3(2):111–4

Legal implications of overdiagnosing malignant melanoma. Liability of the dermatologist and surgeon. Grossman SZ. **Am J Dermatopathol** 1981 Summer;3(2):197

Hodgkin's disease with specific bullous lesions. Hanno R, et al. **Am J Dermatopathol** 1980 Winter;2(4):363–6

Tricholemmoma. To be or not to be? Headington JT. **Am J Dermatopathol** 1980 Fall;2(3):225–6

Tricheilema and tricheilemal lesions. Ioannides G. **Am J Dermatopathol** 1980 Fall;2(3):235–6

Tricholemmoma. A cutaneous hamartoma. Reed RJ. **Am J Dermatopathol** 1980 Fall;2(3):227–8

Tricholemmoma. True and false types. Richfield DF. **Am J Dermatopathol** 1980 Fall;2(3):233–4

Dysplasia. On the terminology of atypical intraepithelial profilerations. Rywlin AM. **Am J Dermatopathol** 1981 Summer;3(2):183–5

Merkel cell neoplasms. Histology, electron microscopy, biology, and histogenesis. Sidhu GS, et al. **Am J Dermatopathol** 1980 Summer;2(2):101–19

Extramedullary IgM plasmacytoma presenting in skin. Swanson NA, et al. **Am J Dermatopathol** 1981 Spring; 3(1):79–83

Bowenoid papulosis of the penis. Demonstration of intranuclear viral-like particles. Zelickson AS, et al. **Am J Dermatopathol** 1980 Winter;2(4):305–8

A prognostic model for clinical stage I melanoma of the trunk. Location near the midline is not an independent risk factor for recurrent disease. Day CL Jr, et al. **Am J Surg** 1981 Aug;142(2):247–51

Dermatopathic lymphadenopathy. Comparison of cases associated and unassociated with mycosis fungoides. Burke JS, et al. **Am J Surg Pathol** 1981 Jun;5(4):343–52

Clear cell carcinoma of the skin. A variant of the squamous cell carcinoma that simulates sebaceous carcinoma. Kuo T. **Am J Surg Pathol** 1980 Dec;4(6):573–83

Preferential epidermotropism in adult t-cell leukemia-lymphoma. Leong AS, et al. **Am J Surg Pathol** 1980 Oct;4(5):421–30

A case of angiosarcoma of the scalp. Ong BH, et al. **Ann Acad Med Singapore** 1980 Jul;9(3):385–9

Carcinoma arising in sebaceous and epidermoid cysts. Bauer BS, et al. **Ann Plast Surg** 1980 Sep;5(3):222–6

Metastatic minimal-deviation melanoma. Becker DW Jr, et al. **Ann Plast Surg** 1980 Mar;4(3):230–7

Measurement of tumor thickness as a prognostic tool in primary malignant melanoma of the skin. Dvir E, et al. **Ann Plast Surg** 1980 Sep;5(3):216–21

Acral lentiginous melanoma. Shiffman N, et al. **Ann Plast Surg** 1980 Sep;5(3):232–5

Exophytic (pedunculated) malignant melanoma--Cleveland Clinic experience. Siminovitch JM, et al. **Ann Plast Surg** 1980 Dec;5(6):432–5

On the natural history and comparative pathology of the blue naevus. Levene A. **Ann R Coll Surg Engl** 1980 Sep; 62(5):327–34

Malignant melanoma. Prognostic significance of 'microscopic satellites' in the reticular dermis and subcutaneous fat. Day CL Jr, et al. **Ann Surg** 1981 Jul;194(1):108–12

Tumor thickness as a prognostic guide to melanoma [letter] Macht SD. **Ann Surg** 1981 Jan;193(1):121

Multiple cutaneous malignant melanomas with features of primary melanoma. Unger SW, et al. **Ann Surg** 1981 Feb; 193(2):245–50

Pathology quiz case 2. Multiple glomus tumors. Anderson BG. **Arch Dermatol** 1981 Feb;117(2):116–8

Extensive nevus comedonicus. Beck MH, et al. **Arch Dermatol** 1980 Sep;116(9):1048–50

Dermal melanocyte hamartoma. A distinctive new form of dermal melanocytosis. Burkhart CG, et al. **Arch Dermatol** 1981 Feb;117(2):102–4

Squamous cell carcinoma arising in a linear epidermal nevus. Cramer SF, et al. **Arch Dermatol** 1981 Apr;117(4):222–4

Large cell lymphocytoma. Duncan SC, et al. **Arch Dermatol** 1980 Oct;116(10):1142–6

Solitary trichoepithelioma in a 70-year-old man [letter] Dvir E. **Arch Dermatol** 1981 Aug;117(8):455–6

Clinicopathologic correlations in Alibert-type mycosis fungoides. Eng AM, et al. **Arch Dermatol** 1981 Jun; 117(6):332–7

Thrombotic angiokeratoma circumscriptum simulating melanoma. Goldman L, et al. **Arch Dermatol** 1981 Mar; 117(3):138–9

Basal cell epithelioma arising in a linear epidermal nevus. Horn MS, et al. **Arch Dermatol** 1981 Apr;117(4):247

Leiomyosarcoma of the skin and subcutaneous tissue. Jegasothy BV, et al. **Arch Dermatol** 1981 Aug; 117(8):478–81

Senile venous lakes [letter] Laugier P. **Arch Dermatol** 1981 May;117(5):250

Attempts to enhance light microscopic diagnosis of cutaneous T-cell lymphoma (mycosis fungoides). Lefeber WP, et al. **Arch Dermatol** 1981 Jul;117(7):408–11

Basal cell epithelioma with a hypopigmented halo [letter] Pembroke AC, et al. **Arch Dermatol** 1981 Jun;117(6):317

Sporadic atypical mole syndrome. A report of five nonfamilial B-K mole syndrome-like cases and histopathologic findings. Rahbari H, et al. **Arch Dermatol** 1981 Jun;117(6):329–31

Cutaneous involvement in Lennert's lymphoma. Roundtree JM, et al. **Arch Dermatol** 1980 Nov;116(11):1291–4

Verrucous carcinoma. Papillomatosis cutis carcinoides. Ruppe JP Jr. **Arch Dermatol** 1981 Mar;117(3):184–5

Premalignant lymphoid hyperplasia preceding and coexisting with malignant lymphoma in the skin. Shelley WB, et al. **Arch Dermatol** 1981 Aug;117(8):500–3

Tumor-stage mycosis fungoides. A 32-year survival. Swanson DL, et al. **Arch Dermatol** 1981 Jun;117(6):354–6

Proliferation kinetics of the dermal infiltrate in cutaneous malignant lymphomas. Sterry W, et al. **Arch Dermatol Res** 1981;270(3):285–90

Concanavalin A induced agglutinability of the isolated cells of hamster melanotic and amelanotic melanomas. Kozłowska K, et al. **Arch Immunol Ther Exp (Warsz)** 1980; 28(1):161–6

Comparison of the antigenicity of melanotic and amelanotic melanoma cells after the release of surface glycoproteins by trypsin. Kozłowska K, et al. **Arch Immunol Ther Exp (Warsz)** 1980;28(4):641–4

Orofacial manifestations in the neurodermatoses. Scully C. **ASDC J Dent Child** 1980 Jul-Aug;47(4):255–60 (69 ref.)

Solitary lymphocytoma cutis: report of a case and brief review of literature. Gang RK, et al. **Australas J Dermatol** 1980 Aug;21(2):108–10

Distribution of malignant melanoma on the body surface. Crombie IK. **Br J Cancer** 1981 Jun;43(6):842–9

A syndrome of various cutaneous pigmented lesions, myxoid neurofibromata and atrial myxoma: the NAME syndrome. Atherton DJ, et al. **Br J Dermatol** 1980 Oct;103(4):421–9

The specificity of early changes in the skin during carcinogenesis. Bibby MC. **Br J Dermatol** 1981 Apr; 104(4):485–8 (24 ref.)

Evaluation of staining methods of resin embedded cutaneous tissue sections of mycosis fungoides. Chu AC, et al. **Br J Dermatol** 1980 Dec;103(6):607–13

Encephalocraniocutaneous lipomatosis: a new neurocutaneous syndrome. Sanchez NP, et al. **Br J Dermatol** 1981 Jan;104(1):89–96

Primary lymphoblastic non-Hodgkin's lymphoma of the skin. Willemze R, et al. **Br J Dermatol** 1981 Mar;104(3):333–8

Trichofolliculoma of the eyelid. Carreras B Jr, et al. **Br J Ophthalmol** 1981 Mar;65(3):214–5

Ocular lesions in the blue rubber bleb naevus syndrome. Crompton JL, et al. **Br J Ophthalmol** 1981 Feb;65(2):133–7

Desmoplastic malignant melanoma: a case report. Man D, et al. **Br J Plast Surg** 1981 Jan;34(1):79–82

Malignant melanoma: significance of disease-free interval. Yarnold JR, et al. **Br J Radiol** 1980 Nov;53(635):1068–70

Tumour thickness and the site and time of first recurrence in cutaneous malignant melanoma (stage I). Milton GW, et al. **Br J Surg** 1980 Aug;67(8):543–6

Changes in clinical presentation and management of malignant melanoma. Bagley FH, et al. **Cancer** 1981 May 1;47(9):2126–34

Cutaneous malignant lymphoma: a pathologic study of 50 cases with clinical analysis of 37. Burke JS, et al. **Cancer** 1981 Jan 15;47(2):300–10

Clinicopathologic relationships, survival, and therapy in 59 patients with observations on occupation as a new prognostic factor. Cohen SR, et al. **Cancer** 1980 Dec 15; 46(12):2654–66

Lymph node biopsy in mycosis fungoides. Colby TV, et al. **Cancer** 1981 Jan 15;47(2):351–9

Malignant melanoma patients with positive nodes and relatively good prognoses: microstaging retains prognostic significance in clinical stage I melanoma patients with metastases to regional nodes. Day CL Jr, et al. **Cancer** 1981 Mar 1;47(5):955–62

Dysplastic nevus syndrome: a phenotypic association of sporadic cutaneous melanoma. Elder DE, et al. **Cancer** 1980 Oct 15;46(8):1787–94

Melanomas of the palm, sole, and nailbed: a clinicopathologic study. Feibleman CE, et al. **Cancer** 1980 Dec 1; 46(11):2492–504

Leiomyosarcoma of the skin and subcutaneous tissue. Fields JP, et al. **Cancer** 1981 Jan 1;47(1):156–69

Staging lymphography with respect to lymph node histology, treatment, and follow-up in patients with mycosis fungoides. Hamminga L, et al. **Cancer** 1981 Feb 15; 47(4):692–7

Angiosarcoma developing in a patient with Neurofibromatosis (von Recklinghausen's disease). Millstein DI, et al. **Cancer** 1981 Mar 1;47(5):950–4

Cancer of the skin in blacks: a review of 128 patients with basal-cell carcinoma. Mora RG, et al. **Cancer** 1981 Mar 15;47(6):1436–8

Protein-losing enteropathy in a patient with generalized Kaposi's sarcoma. Perrone V, et al. **Cancer** 1981 Feb 1; 47(3):588–91

Malignant melanoma in children and adolescents. Pratt CB, et al. **Cancer** 1981 Jan 15;47(2):392–7

Aneurysmal ('angiomatoid') fibrous histiocytoma of the skin. Santa Cruz DJ, et al. **Cancer** 1981 Apr 15;47(8):2053–61

Kaposi's sarcoma: relationship with hematologic, lymphoid, and thymic neoplasia. Ulbright TM, et al. **Cancer** 1981 Mar 1;47(5):963–73 (82 ref.)

The prognostic value of membrane markers and morphometric characteristics of lymphoid cells in blood and lymph nodes from patients with mycosis fungoides. van der Loo EM, et al. **Cancer** 1981 Aug 1;48(3):738–44

Prognostic significance of cytomorphology in the cutaneous T-cell lymphomas. Vonderheid EC, et al. **Cancer** 1981 Jan 1;47(1):119–25

Morphological, biological, and biochemical characteristics of a benign human trichilemmoma cell line in vivo and in vitro. Kanzaki T, et al. **Cancer Res** 1981 Jun; 41(6):2468–75

Tumorigenic keratinocyte lines requiring anchorage and fibroblast support cultures from human squamous cell carcinomas. Rheinwald JG, et al. **Cancer Res** 1981 May; 41(5):1657–63

Loco-regional recurrent melanoma: I natural history. Lee YT. **Cancer Treat Rev** 1980 Jun;7(2):59–72 (46 ref.)

FPi analysis. II. Use of the method to monitor the in vivo kinetics of cell populations perturbed by hydroxyurea. Zietz S, et al. **Cell Tissue Kinet** 1980 Sep;13(5):473–84

Dermatofibrosarcoma protuberans. Jena GP. **Cent Afr J Med** 1980 Sep;26(9):201–2

Confluent and reticulate papillomatosis. Atherton DJ, et al. **Clin Exp Dermatol** 1980 Dec;5(4):465–9

Naevus superficialis lipomatosus. Fergin PE, et al. **Clin Exp Dermatol** 1980 Sep;5(3):365–7

Inflammatory linear verrucous epidermal naevus (eczematous linear naevus). Kennedy C. **Clin Exp Dermatol** 1980 Dec; 5(4):471–3

Histological changes observed in the skin of patients with mycosis fungoides receiving photochemotherapy. Mackie RM, et al. **Clin Exp Dermatol** 1980 Dec;5(4):405–13

Glomus tumours: a clinico-pathological survey. Taaffe A, et al. **Clin Exp Dermatol** 1980 Jun;5(2):219–25

Premalignant skin lesions. Pinkus H, et al. **Clin Plast Surg** 1980 Jul;7(3):289–300

Vascular neoplasms. Williams HB. **Clin Plast Surg** 1980 Jul; 7(3):397–411

Amelanotic melanomas: an analysis of 77 patients. Ariel IM. **Curr Surg** 1981 May-Jun;38(3):151–5

Nasal glioma. Brunsting HA. **Cutis** 1981;27(1):43–6

Becker's melanosis: an organoid hamartoma. Chapel TA, et al. **Cutis** 1981 Apr;27(4):405–6, 410, 415

Cutaneous Hodgkin's disease. Morman MR, et al. **Cutis** 1980 Nov;26(5):483–4, 491

Nevus leiomyomatosus systematicus. Peters CW, et al. **Cutis** 1981 May;27(5):484–6

Bowenoid papulosis: a review. Taylor DR Jr, et al. **Cutis** 1981;27(1):92–8 (12 ref.)

'Papillomatose papuleuse confluente et réticulée Gougerot-Carteaud'--a further form of skin amyloidosis? Groh V, et al. **Dermatologica** 1981;162(2):118–23

Very low-grade angiosarcoma. Miyachi Y, et al. **Dermatologica** 1981;162(3):206–8

Activity of some respiratory and lysosomal enzymes of lymphocytes in golden hamster with induced melanoma. Słomianko-Winnicka M, et al. **Folia Histochem Cytochem (Krakow)** 1980;18(4):303–10

Effect of aprotinin on growth of 3-methylcholanthrene-induced squamous cell-carcinoma in mice. Ohkoshi M. **Gan** 1980 Apr;71(2):246–50

Multicentric pigmented Bowen's disease: a clinically benign squamous cell carcinoma in situ. Bhawan J. **Gynecol Oncol** 1980 Oct;10(2):201–5

Pathogenesis of generalized melanosis with melanuria and melanoptysis secondary to malignant melanoma. Eide J. **Histopathology** 1981 May;5(3):285–94

Rapidly fatal lymphangioma-like Kaposi's sarcoma. Leibowitz MR, et al. **Histopathology** 1980 Sep;4(5):559–66

Malignant melanoma: a unifying concept. Ackerman AB. **Hum Pathol** 1980 Nov;11(6):591–5

Malignant melanoma: a search for occult lymph node metastases. Reichert CM, et al. **Hum Pathol** 1981 May; 12(5):449–51

Chondroid syringoma: benign mixed tumour of skin of salivary gland type. Gupta SC, et al. **Indian J Pathol Microbiol** 1980 Apr;23(2):143–6

Benign mixed tumour of skin—a histopathologic study of 7 cases. Kartha CC, et al. **Indian J Pathol Microbiol** 1980 Jan;23(1):1–6

Annular Bowen's disease. Morman MR. **Int J Dermatol** 1980 Oct;19(8):459–60

Involvement of the digestive tract in Cowden's disease. Ortonne JP, et al. **Int J Dermatol** 1980 Dec;19(10):570–6

Spitz nevus [letter] Ackerman AB. **J Am Acad Dermatol** 1981 May;4(5):609–10

Prognosis in malignant melanoma [editorial] Day CL Jr, et al. **J Am Acad Dermatol** 1980 Nov;3(5):525–6

Bowenoid papules of the genitalia. A case progressing to Bowen's disease. De Villez RL, et al. **J Am Acad Dermatol** 1980 Aug;3(2):149–52

Monsel's solution: a histologic nuisance. Olmstead PM, et al. **J Am Acad Dermatol** 1980 Nov;3(5):492–8

Diffuse melanosis in metastatic melanoma. Further evidence for disseminated single cell metastases in the skin. Schuler G, et al. **J Am Acad Dermatol** 1980 Oct;3(4):363–9

Speckled zosteriform lentiginous nevus [letter] Simoes GA. **J Am Acad Dermatol** 1981 Feb;4(2):236–8

Connective tissue nevi of the skin. Clinical, genetic, and histopathologic classification of hamartomas of the collagen, elastin, and proteoglycan type. Uitto J, et al. **J Am Acad Dermatol** 1980 Nov;3(5):441–61

Bowenoid papulosis [letter] Wade TR, et al. **J Am Acad Dermatol** 1981 Feb;4(2):235

Solitary neurofibroma of the foot: a case report. Mason WH, et al. **J Am Podiatry Assoc** 1980 Oct;70(10):527–31

Histological diagnosis and prognosis of malignant melanoma [letter] Briggs JC. **J Clin Pathol** 1980 Jul;33(7):702

Leiomyosarcoma of the dartos muscle. Flotte TJ, et al. **J Cutan Pathol** 1981 Feb;8(1):69–74

Eccrine porocarcinoma. Gschnait F, et al. **J Cutan Pathol** 1980 Dec;7(6):349–53

Pagetoid reticulosis and solitary mycosis fungoides. Distinct clinicopathological entities. Jones RR, et al. **J Cutan Pathol** 1981 Feb;8(1):40–51

The histopathologic differentiation of keratoacanthoma and squamous cell carcinoma of the skin. Kern WH, et al. **J Cutan Pathol** 1980 Oct;7(5):318–25

Clear epidermal cells: an artifact. Mehregan AH. **J Cutan Pathol** 1980 Jun;7(3):154–8

Infantile digital fibromatosis. Nakayasu K, et al. **J Cutan Pathol** 1980 Dec;7(6):431–3

Sebaceous trichofolliculoma. Plewig G. **J Cutan Pathol** 1980 Dec;7(6):394–403

Carcinoma in situ of the skin: a review of histopathology. Strayer DS, et al. **J Cutan Pathol** 1980 Aug;7(4):244–59

A quantitative study of melanocytes in Becker's nevus. Tate PR, et al. **J Cutan Pathol** 1980 Dec;7(6):404–9

The many faces of metastases to the skin from cutaneous malignant melanomas. Beauerle J, et al.

J Dermatol Surg Oncol 1981 Jul;7(7):558–61
Pedunculated malignant melanoma. Ben-Hur N, et al. **J Dermatol Surg Oncol** 1981 Feb;7(2):127–9
A pleomorphic lipoma in the scalp. Bryant J. **J Dermatol Surg Oncol** 1981 Apr;7(4):323–5
Malignant hemangioendothelioma of the skin. Hori Y. **J Dermatol Surg Oncol** 1981 Feb;7(2):130–6
Unusual appearances of cancers in the skin. Jackson R. **J Dermatol Surg Oncol** 1981 Feb;7(2):159–63
Basal-cell carcinoma: An unusual clinical and histologic variant. Kuflik EG. **J Dermatol Surg Oncol** 1980 Sep; 6(9):730–2
Correlation of thicknesses of superficial spreading malignant melanomas and ages of patients. Levine J, et al. **J Dermatol Surg Oncol** 1981 Apr;7(4):311–6
Verrucous malignant melanoma. Schwartz RA, et al. **J Dermatol Surg Oncol** 1980 Sep;6(9):719–24
Multifocal basal-cell carcinomas in the Nevus sebaceus of Jadassohn. Westfried M, et al. **J Dermatol Surg Oncol** 1981 May;7(5):420–2
Spontaneous regression of human malignant melanoma. Hori Y, et al. **J Dermatol (Tokyo)** 1981 Feb;8(1):69–74
Three-dimensional architecture of epithelial skin tumors: an application of epidermal separation. Kimura S. **J Dermatol (Tokyo)** 1981 Feb;8(1):13–9
Age-dependent changes in fibroblast culture from a xeroderma pigmentosum variant. Fujiwara Y, et al. **J Invest Dermatol** 1981 Mar;76(3):215–20
Solitary trichoepithelioma and epithelioma adenoides cysticum of Brooke involving the external auditory meatus. Ferlito A, et al. **J Laryngol Otol** 1981 Aug;95(8):835–41
Trichofolliculoma of the external auditory meatus. Report of a case and a review of the literature. O'Mahony JJ. **J Laryngol Otol** 1981 Jun;95(6):623–5
Cutaneous involvement by sinus histiocytosis with massive lymphadenopathy. Miller JA, et al. **J R Soc Med** 1980 Oct; 73(10):746–8
Follicular mucinosis (lymphoma) occurring on the head and neck. Wilkinson JD, et al. **J R Soc Med** 1979 Apr; 72(4):281–2
Cutaneous melanoma--retrospective study of a small series of patients. Metcalf JS, et al. **J SC Med Assoc** 1981 Mar; 77(3):113–7
Sarcoma of the maxillary sinus in a patient with malignant melanoma: report of a case. Kress DW, et al. **J Surg Oncol** 1981;17(2):177–82
A continuous cell line derived from a human primary cutaneous melanoma: morphologic and karyologic properties. Nayak SK, et al. **J Surg Oncol** 1980;15(4):335–44
Metastatic basal cell carcinoma. Scanlon EF, et al. **J Surg Oncol** 1980;15(2):171–80
Bowenoid papulosis of the penis. Kossow AS, et al. **J Urol** 1981 Jan;125(1):124–6
Dysplastic nevus syndrome, newly recognized, may herald melanoma [news] Gunby P. **JAMA** 1981 Jun 12; 245(22):2277–9
Seeking 'critical difference' in malignant melanoma [news] Gunby P. **JAMA** 1981 Aug 28;246(9):927
Malignant melanoma: report of case. Kennedy KS. **JAOA** 1981 Jun;80(10):698–700
The spread of cutaneous squamous carcinoma via cranial nerves--a warning. **Med J Aust** 1981 Jan 10;1(1):4
Interrelations between specialized cells, capillaries and intermediary cytofibrillar elements. 13. The fibrillar apparatus of the human dermis in some carcinomas of aged people. Frincu DL. **Morphol Embryol (Bucur)** 1981 Jan-Mar;27(1):47–54
Clinical course of cutaneous malignant melanoma related to histopathological criteria of primary tumour. Drzewiecki KT, et al. **Scand J Plast Reconstr Surg** 1980;14(3):229–34
A prognostic model for clinical stage I melanoma of the lower extremity. Location on foot as independent risk factor for recurrent disease. Day CL Jr, et al. **Surgery** 1981 May;89(5):599–603
The melanoma controversy. A comparison of choroidal, cutaneous, and iris melanomas. Davidorf FH. **Surv Ophthalmol** 1981 May-Jun;25(6):373–7
Ocular and periocular features of multicentric reticulohistiocytosis with paraproteinaemia. A report of two cases. Buckley CA, et al. **Trans Ophthalmol Soc NZ** 1981;33:143–6
Masson's intravascular vegetant hemangioendothelioma. Eusebi V, et al. **Tumori** 1980 Aug 31;66(4):489–98
Canine epidermotropic lymphoproliferative disease resembling pagetoid reticulosis in man. Johnson JA, et al. **Vet Pathol** 1981 Jul;18(4):487–93
[Clear cell acanthoma] Laursen SO, et al. **Ugeskr Laeger** 1981 Feb 2;143(6):346 (Eng. Abstr.) **(Dan)**
[Smooth muscle nevus. Smooth muscle hamartoma (apropos of 1 case)] Bonafé JL, et al. **Ann Dermatol Venereol** 1980; 107(10):929–31 **(Fre)**
[Sclerosing epithelial hamartoma: variant of trichoepithelioma. Three cases (author's transl)] Dupré A, et al. **Ann Dermatol Venereol** 1980 Jul;107(7):649–54 (Eng. Abstr.) **(Fre)**
[Epithelioma cuniculatum] Faure M, et al. **Ann Dermatol Venereol** 1980 Mar;107(3):183–7 **(Fre)**
[The infundibular adenoma: a follicular poroma with sebaceous and apocrine differentiation (author's transl)] Grosshans E, et al. **Ann Dermatol Venereol** 1981; 108(1):59–66 (Eng. Abstr.) **(Fre)**
[High-grade malignant mycosis fungoides with cytological transformation (author's transl)] Schmoeckel C, et al. **Ann Dermatol Venereol** 1981;108(3):231–6, 239–41 (Eng. Abstr.) **(Fre)**
[Quantitative immunocytochemical study of plasma cells in the stroma reaction in malignant skin tumors (author's transl)] Bejui-Thivolet F, et al. **Arch Anat Cytol Pathol** 1980;28(6):379–80 (Eng. Abstr.) **(Fre)**
[Desmoplastic malignant melanoma. A case report (author's transl)] Chasle J, et al. **Arch Anat Cytol Pathol** 1979; 27(6):389–93 (Eng. Abstr.) **(Fre)**
[The Pacinian neurofibroma (author's transl)] Oddou JH, et al. **Arch Anat Cytol Pathol** 1980;28(5):294–8 (Eng. Abstr.) **(Fre)**
[Liebow's lymphomatoid granulomatosis: light and electron microscopic study of a case (author's transl)] Schnitzler L, et al. **Arch Anat Cytol Pathol** 1980;28(2):69–76 (Eng. Abstr.) **(Fre)**
[Cutaneous myxoma or cutaneous focal mucinosis (author's transl)] Decroix J, et al. **Dermatologica** 1981;162(5):368–71 (Eng. Abstr.) **(Fre)**
[Skin manifestations of phakomatosis] Desmons F. **Dermatologica** 1980;161 Suppl 1:22–41 **(Fre)**
[Fibromatosis in children] Larrègue M, et al. **Dermatologica** 1980;161 Suppl 1:7–21 **(Fre)**
[Melanoma in children. Apropos of 7 cases difficult to interpret] Verret JL, et al. **Dermatologica** 1980;161 Suppl 1:81–6 **(Fre)**
[Non-epidermotropic T-cell cutaneous lymphoma and specific pulmonary localization (letter)] Bazex J, et al. **Nouv Presse Med** 1981 May 16;10(22):1847–8 **(Fre)**
[Evaluation of melanoma] Le Cam N, et al. **Nouv Presse Med** 1981 Jun 27;10(28):2333–5 **(Fre)**
[Stage I malignant melanoma of the skin. Prognostic value of thickness and level (author's transl)] Palangié A, et al. **Nouv Presse Med** 1981 Jun 27;10(28):2337–41 (Eng. Abstr.) **(Fre)**
[Pilomatrixoma (Malherbe's tumor). Commentary apropos of 5 cases in children] Dodat H, et al. **Pediatrie** 1980; 35(8):715–9 (Eng. Abstr.) **(Fre)**
[Diffuse hemangiomas of the skin and gastrointestinal tract. A case of blue rubber bleb naevus (author's transl)] Chavanne D, et al. **Sem Hop Paris** 1980 Sept 8–15; 56(29–32):1285–9 (Eng. Abstr.) **(Fre)**
[Malignant skin tumors of the scalp] Geiser JD. **Ther Umsch** 1980 Jul;37(7):578–83 (Eng. Abstr.) **(Fre)**
[Benign tumors of the scalp] Tapernoux B. **Ther Umsch** 1980 Jul;37(7):571–7 (Eng. Abstr.) **(Fre)**
[Comparative morphology of lymphoepithelial carcinoma in primary tumor, metastasis, and xenograft (author's transl)] Arnold W, et al. **Arch Otorhinolaryngol** 1980; 226(1-2):15–26 (Eng. Abstr.) **(Ger)**
[Melanophagocytoma] Cramer HJ. **Dermatol Monatsschr** 1981 Jan;167(1):1–5 (Eng. Abstr.) **(Ger)**
[Multiple granular-cell schwannoma of the skin (author's transl)] Köpping H. **Dermatol Monatsschr** 1981 Mar; 167(3):159–61 (Eng. Abstr.) **(Ger)**
[Inflammatory linear verrucous epidermal nevus (ILVEN) (author's transl)] Köstler E, et al. **Dermatol Monatsschr** 1981 Feb;167(2):73–9 (Eng. Abstr.) **(Ger)**
[Glomus tumours: morbid-anatomical analysis of 58 cases, especially infiltrated forms (author's transl)] Leu HJ. **Dtsch Med Wochenschr** 1981 Feb 6;106(6):171–4 (Eng. Abstr.) **(Ger)**
[Multiple systemic neuromas of the skin and mucous membranes] Altmeyer P, et al. **Hautarzt** 1981 May; 32(5):240–4 (Eng. Abstr.) **(Ger)**
[Malignant histiocytoma] Jänner M, et al. **Hautarzt** 1981 Apr; 32(4):191–2 (Eng. Abstr.) **(Ger)**
[Multiple so-called granuloma telangiectaticum] Nödl F. **Hautarzt** 1980 Sep;31(9):471–7 (Eng. Abstr.) **(Ger)**
[Reticulohistiocytic tumors of the skin. New concepts] Orfanos CE, et al. **Hautarzt** 1980 Jun;31(6):297–307 (Eng. Abstr.) **(Ger)**
[Trichoepithelioma] Winkelmann RK, et al. **Hautarzt** 1980 Oct;31(10):527–30 (Eng. Abstr.) **(Ger)**
[Multiple glomus tumors] Wolff HH, et al. **Hautarzt** 1981 Jul;32(7):354–8 (Eng. Abstr.) **(Ger)**
[Multiple idiopathic hemorrhagic sarcoma (Kaposi's disease)] Zortea-Caflisch C, et al. **Hautarzt** 1981 Feb;32(2):98–100 (Eng. Abstr.) **(Ger)**
[Prognostic index in malignant melanoma. A better method to determine metastasis risk] Schmoeckel C, et al. **Pathologe** 1980 Feb;1(2):71–8 **(Ger)**
[Vascular tumors I: hemangioma] Leu HJ. **Vasa** 1981; 10(1):64–6 (Eng. Abstr.) **(Ger)**
[Disseminated type of pagetoid reticulosis? Mycosis fungoides?] Altmeyer P. **Z Hautkr** 1981 Jan 15;56(2):63–74 (Eng. Abstr.) **(Ger)**
[Epithelioma cuniculatum - a peculiar type of cutaneous squamous cell carcinoma (author's transl)] Brinkmann W, et al. **Z Hautkr** 1981 Jun 1;56(11):717–27 (Eng. Abstr.) **(Ger)**
[The pigmented spindle cell tumor of Reed (author's transl)] Gartmann H. **Z Hautkr** 1981 Jul 1;56(13):862–76 (Eng. Abstr.) **(Ger)**
[Precursors and early forms of malignant melanomas of the skin (author's transl)] Gartmann H, et al. **Z Hautkr** 1981 Apr 15;56(8):509–34 (Eng. Abstr.) **(Ger)**
[Combined nevus: malignant blue nevus and giant pigmented nevus (author's transl)] Grouls V, et al. **Z Hautkr** 1981 Jul 15;56(14):943–6 (Eng. Abstr.) **(Ger)**
[Malignant lymphomas of the skin from the viewpoint of lymph node pathology] Lennert K. **Z Hautkr** 1980 Oct 1;55(19):1257–9 **(Ger)**
[Characteristic histologic criteria in cutaneous malignant lymphomas] Mach K. **Z Hautkr** 1980 Oct 1;55(19):1302–12 **(Ger)**
[Malignant melanoma and Kaposi's sarcoma (author's transl)] Tritsch H, et al. **Z Hautkr** 1981 Jan 15;56(2):75–82 (Eng. Abstr.) **(Ger)**
[Mycosis fungoides associated with two different kinds of cancer and mucinosis follicularis (author's transl)] Weiss J, et al. **Z Hautkr** 1981 Jun 1;56(11):741–8 (Eng. Abstr.) **(Ger)**
[Kaposi's sarcoma (idiopathic multiple hemorrhagic sarcoma)] Hack U, et al. **Zentralbl Chir** 1980;105(21):1453–6 **(Ger)**
[Kaposi's sarcoma (author's transl)] Strunk E, et al. **Zentralbl Chir** 1980;105(21):1447–52 (Eng. Abstr.) **(Ger)**
[Skin infiltrates in subacute myelomonocytic leukemia] Manor Y, et al. **Harefuah** 1980 Mar 2;98(5):220–1 (Eng. Abstr.) **(Heb)**
[Ectopic meningioma (author's transl)] Betta PG. **Pathologica** 1980 May-Jun;72(1019):317–33 (Eng. Abstr.) **(Ita)**
[20-methylcholanthrene-induced mice skin cancer. Part 1. Histological studies on tumor developing process (author's transl)] Hori M. **Nippon Hifuka Gakkai Zasshi** 1981 Jan; 91(1):25–31 **(Jpn)**
[Morphometrical analyses of the tumor cells in the calcifying epithelioma (author's transl)] Kurumatani M, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Mar;91(4):433–8 **(Jpn)**
[Adnexal tumors of the skin (author's transl)] Mishima Y. **Nippon Hifuka Gakkai Zasshi** 1980 Nov;90(12):1246–61 (40 ref.) **(Jpn)**
[Electron microscopic observations of Bowen's disease and arsenical keratosis associated with chronic arsenism (author's transl)] Ohyama K, et al. **Nippon Hifuka Gakkai Zasshi** 1980;90(5):397–403 **(Jpn)**
[Transepithelial elimination in metastatic skin carcinoma (author's transl)] Oka K, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Jan;91(1):1–6 **(Jpn)**
[Cell kinetic studies on human melanoma cell line (SEKI, II) under the effect of 8-methoxypsoralen with UVA irradiation (author's transl)] Shimada S, et al. **Nippon Hifuka Gakkai Zasshi** 1980 Aug;90(9):833–41 **(Jpn)**
[Cell kinetic studies on human melanoma cell line (SEKI II) under the effect of DTIC with fluorescent light and UVA irradiation (author's transl)] Shimada S, et al. **Nippon Hifuka Gakkai Zasshi** 1980 Aug;90(9):815–24 **(Jpn)**
[Cell kinetic studies on human melanoma cell line (SEKI II) under the effect of chemotherapeutic agents (author's transl)] Shimada S, et al. **Nippon Hifuka Gakkai Zasshi** 1980 Aug;90(9):825–31 **(Jpn)**
[Observation of T-cell distribution in the skin tumors by acid alpha-naphtyl acetate esterase (ANAE) staining (author's transl)] Shinoda H. **Nippon Hifuka Gakkai Zasshi** 1980; 90(6):535–8 **(Jpn)**
[Fatty degeneration of nervus cell (author's transl)] Sonoda T. **Nippon Hifuka Gakkai Zasshi** 1980 Jul;90(8):701–17 **(Jpn)**
[Pathology of calcifying epithelioma (author's transl)] Yamagiwa H. **Rinsho Byori** 1980 Sep;28(9):928–31 **(Jpn)**
[Basal cell carcinoma with metastases] Aasen J. **Tidsskr Nor Laegeforen** 1980 Nov 10;100(31):1848–9 (Eng. Abstr.) **(Nor)**
[Epithelium calcificans Malherbe in the light of data from the literature and personal studies] Kobos J. **Patol Pol** 1980; 31(3):429–37 (20 ref.) (Eng. Abstr.) **(Pol)**
[Current classification and diagnosis of malignant melanoma] Kik A, et al. **Przegl Dermatol** 1980;67(6):811–7 (40 ref.) **(Pol)**
[Cytological studies of basocellular epithelioma] Strokowska M. **Przegl Dermatol** 1981 Jan-Feb;68(1):17–25 (Eng. Abstr.) **(Pol)**
[Abrikossoff's myoblastoma] Szubstarski F, et al. **Przegl Dermatol** 1980 May-Jun;67(3):353–6 (Eng. Abstr.) **(Pol)**
[Cutaneous angioleiomyomas. Review of 75 patients with 77 tumors] García E Silva L, et al. **Med Cutan Iber Lat Am** 1981;9(1):1–9 (Eng. Abstr.) **(Por)**
[Focal acantholytic dyskeratosis in an intradermal pigmented nevus] Garcia E Silva L. **Med Cutan Iber Lat Am** 1980; 8(1-3):65–8 (Eng. Abstr.) **(Por)**
[Histological and ultrastructural characteristics of Abricosov metastasizing tumor] Galil-ogly GA, et al. **Arkh Patol** 1980; 42(5):43–7 (Eng. Abstr.) **(Rus)**
[Combination of rectal cancer and skin melanoma] Tel'pner AM, et al. **Klin Med (Mosk)** 1980;58(11):100–1 **(Rus)**
[Y-chromatin in the oral cavity epithelia of men with pigmented skin neoplasms] Kireeva SS. **Lab Delo** 1981; (1):17–9 (Eng. Abstr.) **(Rus)**
[Cytomorphologic features of different variants of melanoma] Petrova AS, et al. **Lab Delo** 1981;(1):13–7 (Eng. Abstr.) **(Rus)**
[Quantitative characteristics of the mast cells in hemangiomas of the facial skin] Lopunova ZhK, et al. **Stomatologiia (Mosk)** 1980 Sep-Oct;59(5):14–5 (Eng. Abstr.) **(Rus)**
[Mitotic regime in human neoplasms of the stomach, corpus

uteri, breast and skin] Polishchuk LZ, et al. **Tsitol Genet** 1980 Jan-Feb;14(1):3-10 (Eng. Abstr.) **(Rus)**

[Multiple reticulohistiocytoma] Kalamkarian AA, et al. **Vestn Dermatol Venerol** 1980 Sep;(9):28-32 (Eng. Abstr.) **(Rus)**

[Lupus carcinoma] Kardashenko BIa, et al. **Vestn Dermatol Venerol** 1981 Feb;(2):53-4 **(Rus)**

[Basal cell cancer of the skin (Jacob's ulcus rodens)] Mashkilleĭson NA, et al. **Vestn Dermatol Venerol** 1980 Sep;(9):47-8 (Eng. Abstr.) **(Rus)**

[Role of biopsy in the development of recurrence malignant tumors treated by laser coagulation] Moskalik KG, et al. **Vestn Khir** 1981 Jan;126(1):85-9 (Eng. Abstr.) **(Rus)**

[Acral lentiginous melanoma] Contreras F, et al. **Actas Dermosifiliogr** 1980 Sep-Oct;71(9-10):343-50 (Eng. Abstr.) **(Spa)**

[Prospective differentiation of organoid nevus] Cuevas J, et al. **Actas Dermosifiliogr** 1980 Nov-Dec;71(11-12):455-60 (Eng. Abstr.) **(Spa)**

[Malignant melanoma of the dermal component of Ota's nevus] Díaz Pérez JL, et al. **Actas Dermosifiliogr** 1980 May-Jun;71(5-6):219-24 (Eng. Abstr.) **(Spa)**

[Circumscribed angiokeratoma. Apropos of 2 cases] Fernández Redondo V, et al. **Actas Dermosifiliogr** 1981 Jan-Feb;72(1-2):25-8 **(Spa)**

[Arteriovenous acral tumor] Gutiérrez Salmerón MT, et al. **Actas Dermosifiliogr** 1980 Jul-Aug;71(7-8):287-8 **(Spa)**

[Giant eccrine spiradenoma] Martín-Pascual A, et al. **Actas Dermosifiliogr** 1980 May-Jun;71(5-6):233-6 (Eng. Abstr.) **(Spa)**

[Acral lentiginous melanoma. Presentation of 6 cases] Moreno Carazo A, et al. **Actas Dermosifiliogr** 1980 Sep-Oct; 71(9-10):351-8 (Eng. Abstr.) **(Spa)**

[Becker's melanosis] Naranjo R, et al. **Actas Dermosifiliogr** 1980 Sep-Oct;71(9-10):331-6 (Eng. Abstr.) **(Spa)**

[Crosti's localized histiocytosarcoma] Olmos L, et al. **Actas Dermosifiliogr** 1980 Nov-Dec;71(11-12):483-6 **(Spa)**

[Gougerot-Carteaud confluent and reticulated papillomatosis] Sánchez-Pedreño Martínez J, et al. **Actas Dermosifiliogr** 1981 Jan-Feb;72(1-2):63-4 **(Spa)**

[Nevil: Nevus Epidermalis Verrucosus Inflammatus Linearis] Simón Merchán, et al. **Actas Dermosifiliogr** 1981 Jan-Feb; 72(1-2):55-8 **(Spa)**

[Multiple hyperkeratotic angiomas] Verea Hernando MM, et al. **Actas Dermosifiliogr** 1981 Jan-Feb;72(1-2):83-4 **(Spa)**

[Malignant histiocytosis] Acosta de Croizet V. **Rev Med Chil** 1980 Mar;108(3):237-42 (Eng. Abstr.) **(Spa)**

PHYSIOPATHOLOGY

Nevus oligemicus. A variant of nevus anemicus. Davies MG, et al. **Arch Dermatol** 1981 Feb;117(2):111-3

Decreased beta-adrenergic responsiveness in mouse epidermal papillomas during tumor promotion with phorbol myristate acetate. Garte SJ, et al. **Cancer Lett** 1980 May;9(3):245-9

PREVENTION & CONTROL

The prevention of skin cancer. Osment LS. **Ala J Med Sci** 1981 Apr;18(2):139-41

Protection of mice against 7,12-dimethylbenz(a)anthracene-induced skin tumors by immunization with a fluorinated analog of the carcinogen. Moolten FL, et al. **Cancer Res** 1981 Feb;41(2):425-9

Inhibition of ultraviolet-induced carcinogenesis by all-trans retinoic acid. Epstein JH, et al. **J Invest Dermatol** 1981 Mar;76(3):178-80

Effects of retinoids on ultraviolet-induced carcinogenesis. Epstein JH. **J Invest Dermatol** 1981 Jul;77(1):144-6

The effect of various sunscreen agents on skin damage and the induction of tumor susceptibility in mice subjected to ultraviolet irradiation. Gurish MF, et al. **J Invest Dermatol** 1981 Apr;76(4):246-51

Occupational health aspects related to coal liquefaction. Shepard HG. **J Soc Occup Med** 1981 Jan;31(1):9-15

[Evaluation of oral retinoid preventive action on human cutaneous epitheliomas (author's transl)] Schnitzler L, et al. **Ann Dermatol Venereol** 1980 Jul;107(7):657-63 (Eng. Abstr.) **(Fre)**

[Effect of bacterial collagenases on the connective tissue around plastic implants during development of sarcoma] Eliseev VV. **Vopr Onkol** 1980;26(11):105-6 **(Rus)**

RADIOGRAPHY

Case report 135. Multiple basal cell nevus syndrome (Gorlin syndrome). Hermann G, et al. **Skeletal Radiol** 1981; 6(1):62-4

[Radiological diagnosis of pigment neoplasms of the skin (author's transl)] Skotnikov VI, et al. **Radiol Diagn (Berl)** 1980;21(2):233-40 (Eng. Abstr.) **(Ger)**

[The evaluation of xeroradiography on the diagnosis of skin tumor (author's transl)] Koya M. **Nippon Hifuka Gakkai Zasshi** 1980 Sep;90(10):893-9 **(Jpn)**

RADIONUCLIDE IMAGING

Whole body scanning with 67Gallium citrate in the investigation of patients with mycosis fungoides. Rotstein H, et al. **Australas J Dermatol** 1980 Dec;21(3):151-3

Brain scintigraphy: sinus pericranii. Sty JR, et al. **Clin Nucl Med** 1981 Apr;6(4):184-5

Melanoma affine radiopharmaceuticals I. A comparative study of 131I-labeled quinoline and tyrosine derivatives. Bubeck B, et al. **Eur J Nucl Med** 1981;6(5):227-33

[Differential diagnosis of pigmented skin neoplasms] Melenčuk IP, et al. **Radiobiol Radiother (Berl)** 1980 Oct; 21(5):660-7 (Eng. Abstr.) **(Ger)**

[Nuclear medicine study methods using 32P in the preoperative diagnosis of the tumor spread of skin melanoma] Savvateeva ZhP, et al. **Radiobiol Radiother (Berl)** 1980;21(2):184-90 (Eng. Abstr.) **(Ger)**

[Scintigraphy of liver after combined chemo-/immunotherapy with malignant melanoma (author's transl)] Crone-Münzebrock W, et al. **Z Hautkr** 1981 Feb 1;56(3):164-71 (Eng. Abstr.) **(Ger)**

RADIOTHERAPY

Pulsed laser radiation therapy of skin tumors. Kozlov AP, et al. **Cancer** 1980 Nov 15;46(10):2172-8

Once weekly total and subtotal skin electron beam therapy for Kaposi's sarcoma. Nisce LZ, et al. **Cancer** 1981 Feb 15;47(4):640-4

Effectiveness of once weekly total skin electron beam therapy in mycosis fungoides and Sezary syndrome. Nisce LZ, et al. **Cancer** 1981 Mar 1;47(5):870-6

Radiation therapy of malignant melanomas: an evaluation of clinically used fractionation schemes. Strauss A, et al. **Cancer** 1981 Mar 15;47(6):1262-6

Selective use of radiation therapy for neoplasms of the skin. Parker RG. **Clin Plast Surg** 1980 Jul;7(3):337-48

Effect of lead shielding cutouts on dose to overlying tissue for 7 MV electrons. Dockter AE, et al. **Int J Radiat Oncol Biol Phys** 1980 Dec;6(12):1751-3

Radiotherapy in the management of malignant melanoma. Lobo PA, et al. **Int J Radiat Oncol Biol Phys** 1981 Jan; 7(1):21-6

The radiosensitivity of malignant melanomas part II: clinical studies. Trott KR, et al. **Int J Radiat Oncol Biol Phys** 1981 Jan;7(1):15-20

X-ray therapy for radiation [letter] Gladstein AH. **J Invest Dermatol** 1980 Oct;75(4):371

Radiation therapy for carcinoma of the skin of the face and neck. Special considerations. Chahbazian CM, et al. **JAMA** 1980 Sep 5;244(10):1135-7

Treatment of skin carcinoma of the face and neck [letter] Lindsay DG. **JAMA** 1981 Aug 14;246(7):733-4

Doxorubicin-enhanced skin reaction after whole-body electron-beam irradiation for leukemia cutis. Solberg LA Jr, et al. **Mayo Clin Proc** 1980 Nov;55(11):711-5

Relationship between surviving fractions using the colony methods, the LD50, and the growth delay after irradiation of human melanoma cells grown as multicellular spheroids. Pourreau-Schneider N, et al. **Radiat Res** 1981 Feb; 85(2):321-32

Radiation therapy for skin cancer. Fischbach AJ, et al. **West J Med** 1980 Nov;133(5):379-82

[Combination of irradiation by a He-Ne laser and fast electrons in chronically recurrent basilomas with postactinic ulceration (author's transl)] Caha A, et al. **Cesk Radiol** 1980 Sep;34(5):352-5 (Eng. Abstr.) **(Cze)**

[Monstrous atypical basaloma] Hammershøy O. **Hautarzt** 1980 Sep;31(9):513-4 (Eng. Abstr.) **(Ger)**

[On the radiation therapy of the protuberant dermatofibrosarcoma (author's transl)] Schmidt W, et al. **Radiobiol Radiother (Berl)** 1980 Oct;21(5):580-5 (Eng. Abstr.) **(Ger)**

[Radiotherapy of carcinomas of the dorsum manus (author's transl)] Szabó P. **Strahlentherapie** 1981 Apr;157(4):242-4 (Eng. Abstr.) **(Ger)**

[Clinical aspects and radiotherapy of skin neoplasms located on the nose] Szabó P. **Z Hautkr** 1980 Sep 1;55(17):1155-60 **(Ger)**

[The role of radiotherapy and surgery in the treatment of cutaneous angiomas in children] Curti E, et al. **Minerva Pediatr** 1981 May 15;33(9):413-22 (Eng. Abstr.) **(Ita)**

[Beta therapy with strontium radioisotopes in the treatment of cutaneous angioma] Baroncelli G. **Radiol Med (Torino)** 1980 Sep;66(9):636-7 **(Ita)**

[Radiotherapy of cutaneous angioma] Felci U. **Radiol Med (Torino)** 1980 Sep;66(9):635-6 **(Ita)**

[Ratio of the optimal therapeutic dose to the number of fractions and the volume of the irradiated tumor] Kholin VV, et al. **Med Radiol (Mosk)** 1981 Apr;26(4):46-8 **(Rus)**

[Treatment of cancer of the oral mucosa, vermilion b order of the lower lip and of the skin on the Agat-V-2 gamma-therapy afterloading apparatus] Vorob'ev IuI, et al. **Med Radiol (Mosk)** 1981 Jan;26(1):6-10 (Eng. Abstr.) **(Rus)**

SECONDARY

CT of intracranial metastases with skull and scalp involvement. Healy JF, et al. **AJNR** 1981 Jul-Aug; 2(4):335-8

Unusual manifestation of metastatic uterine leiomyosarcoma. Broderick PA, et al. **Arch Dermatol** 1981 Jul;117(7):445-6

Transitional cell carcinoma of the urinary tract presenting with a cutaneous metastasis. Schwartz RA, et al. **Arch Dermatol** 1981 Aug;117(8):513-5

Inflammatory metastatic carcinoma of the breast. Tschen EH, et al. **Arch Dermatol** 1981 Feb;117(2):120-1

Cutaneous secondary deposits. Dymock RB. **Australas J Dermatol** 1980 Dec;21(3):158-61

Collagenase immunolocalization studies of cutaneous secondary melanomas. Woolley DE, et al. **Br J Cancer** 1980 Aug;42(2):260-5

Cutaneous metastasis of endometrial carcinoma. Damewood MD, et al. **Cancer** 1980 Sep 15;46(6):1471-5

The development of metastases within a field of previous irradiation: a case report. Meltzer J, et al. **Cancer** 1981 Aug 1;48(3):717-20

Cutaneous metastases. Report of two cases of prostatic cancer. Landow RK, et al. **Cutis** 1980 Oct;26(4):399-401, 409

Extensive cutaneous metastases from urinary bladder carcinoma. Safer LF, et al. **Cutis** 1980 Nov;26(5):485-6, 500

Cutaneous Metastases simulating other dermatoses. Stahl D, et al. **Cutis** 1980 Sep;26(3):282-4

Alopecia neoplastica--a rare form of cutaneous metastasis. Baum EM, et al. **J Am Acad Dermatol** 1981 Jun;4(6):688-94

Microbial findings in cancers of the breast and in their metastases to the skin. Implications for etiology. Cantwell AR Jr, et al. **J Dermatol Surg Oncol** 1981 Jun;7(6):483-91

Cutaneous metastases. Rosen T. **Med Clin North Am** 1980 Sep;64(5):885-900

Malignant melanoma associated with breast cancer. Schoenberg BS, et al. **South Med J** 1980 Nov;73(11):1493-7

Cutaneous manifestation of carcinoma of urinary bladder: carcinoma erysipelatodes. Cohen EL, et al. **Urology** 1980 Oct;16(4):410-2

Long-term survival with skin metastases from carcinoma of prostate. Marquis W, et al. **Urology** 1980 Oct;16(4):407-8

[Epidermotropic and junctional metastases of malignant melanoma] Moulin G, et al. **Ann Dermatol Venereol** 1980; 107(11):1061-7 **(Fre)**

[Monomelic epidermotropic metastasis of malignant melanoma. Developmental study for 7 years] Verret JL, et al. **Ann Dermatol Venereol** 1980;107(11):1071-4 **(Fre)**

[A case of malignant melanoma in a child] Delbeke MJ. **Dermatologica** 1980;161 Suppl 1:87-9 **(Fre)**

[Secondary tumors of the scalp] Christeler A. **Ther Umsch** 1980 Jul;37(7):584-7 (Eng. Abstr.) **(Fre)**

[Basal cell epithelioma with lymphogenic and hematogenic formation of metastases (a.o. into the myocardium) (author's transl)] Schütte B, et al. **Arch Dermatol Res** 1981; 270(3):299-312 (Eng. Abstr.) **(Ger)**

[Radiotherapy of mammary cancer skin metastases (author's transl)] Szabó P. **Dermatol Monatsschr** 1981 Mar; 167(3):175-81 (Eng. Abstr.) **(Ger)**

[Cutaneous metastasis of carcinomas] Sittart JA, et al. **AMB** 1981 Feb;27(2):61-2 (Eng. Abstr.) **(Por)**

[Clinical and dermatological aspects of advanced breast cancer. Its relation with therapy and prognosis] Koliren L, et al. **Med Cutan Iber Lat Am** 1979;7(4-6):65-79 (Eng. Abstr.) **(Spa)**

[Peripheral cutaneous and bone metastases in a cases of epidermoid carcinoma of the lung] Cuvillo Jiménez A, et al. **Rev Clin Esp** 1980 Sep 15;158(5):237-8 **(Spa)**

[Chronic myelogenous leukaemia with specific skin manifestations (author's transl)] Díaz-Pérez JL, et al. **Sangre (Barc)** 1980;25(6):1099-1104 (Eng. Abstr.) **(Spa)**

SECRETION

A diffuse cutaneous lymphoma secreting a potent immunosuppressant. Wolf RL, et al. **Clin Immunol Immunopathol** 1981 Mar;18(3):351-61

SURGERY

Microscopically controlled surgery: Mohs' chemosurgery for recurrent and aggressive skin cancer. Monheit GD. **Ala J Med Sci** 1981 Apr;18(2):147-53

Ocular metastases from systemic melanoma. Char DH, et al. **Am J Ophthalmol** 1980 Nov;90(5):702-7

Combined craniofacial resection for locally advanced carcinoma of the head and neck I. Tumors of the skin and soft tissues. Terz JJ, et al. **Am J Surg** 1980 Nov;140(5):613-7

A ten-year experience with glomus tumors. Davis TS, et al. **Ann Plast Surg** 1981 Apr;6(4):297-9

Pachydermatocele in body regions other than the head and neck. Fodor PB, et al. **Ann Plast Surg** 1981 Mar;6(3):231-7

Craniofacial coverage using the latissimus dorsi myocutaneous island flap. Maxwell GP, et al. **Ann Plast Surg** 1980 May;4(5):410-21

Cryosurgery for hemangiomas of the body surface and oral cavity. Ohtsuka H, et al. **Ann Plast Surg** 1980 Jun; 4(6):462-8

The combined multidisciplinary approach to invasive basal cell tumors of the scalp. Peters CR, et al. **Ann Plast Surg** 1980 Mar;4(3):199-204

Selective surgical management of cutaneous melanoma of the head and neck. Roses DF, et al. **Ann Surg** 1980 Nov; 192(5):629-32

Laser treatment of multiple glomangiomas: progress report 13 years after treatment [letter] Goldman L.

Arch Dermatol 1981 Aug;117(8):451–2
Forehead and scalp reconstruction after wide–field resection of skin carcinoma. Schaefer SD, et al. **Arch Otolaryngol** 1980 Nov;106(11):680–4
Surgical management for malignant melanoma of the trunk. Roses DF, et al. **Arch Surg** 1981 Mar;116(3):315–7
Removal of cysts and similar lesions. Hart PF. **Aust Fam Physician** 1980 Nov;9(11):820–2
Changing concepts in melanoma management. Rampen F. **Br J Dermatol** 1981 Mar;104(3):341–8 (41 ref.)
Primary reconstruction of perineal defect with a bilobed myocutaneous flap: case report. Maruyama Y, et al. **Br J Plast Surg** 1980 Oct;33(4):440–4
Malignant tumors of the upper extremity: 1971 to 1976. Graham WP 3d, et al. **Clin Plast Surg** 1980 Jul;7(3):413–20
Chemosurgery. Mohs FE. **Clin Plast Surg** 1980 Jul; 7(3):349–60
Squamous cell carcinoma of the skin. Paletta FX. **Clin Plast Surg** 1980 Jul;7(3):313–36
Problematic skin cancer. Treatment by microscopically controlled excision. Lillis PJ. **Colo Med** 1981 May; 78(5):162–5
Primary malignant melanoma of the skin: factors in predicting prognosis and in determining initial surgical treatment. Schreiber MM. **Cutis** 1981 May;27(5):494–8 (47 ref.)
Treatment of multiple squamous cell carcinomas of the skin in an immunosuppressed patient. Reymann F. **Dermatologica** 1981;162(4):304–6
Stage I melanoma of the skin: the problem of resection margins. W.H.O. Collaborating Centres for Evaluation of Methods of Diagnosis and Treatment of Melanoma. **Eur J Cancer** 1980 Aug;16(8):1079–85
Squamous cell carcinoma of the skin of the extremities. Ames FC, et al. **Int Adv Surg Oncol** 1980;3:179–99
The laser in skin cancer. Goldman L. **Int Adv Surg Oncol** 1978;1:217–26
Surgical treatment of late radiodermatitis (a four year experience with 53 cases). Donati E, et al. **Ital Gen Rev Dermatol** 1978 Jan–Apr;15(1):25–38
Surgical management of regional lymph nodes in cutaneous melanoma. Balch CM. **J Am Acad Dermatol** 1980 Nov; 3(5):511–24
Guidelines for removal of acral and mucosal nevi [letter] Gorelick MF. **J Am Acad Dermatol** 1980 Aug;3(2):206–7
Microstages in malignant melanoma--the basis for an elective lymph node dissection. Tonak J, et al. **J Cancer Res Clin Oncol** 1980;96(3):303–9
Combined curettage and cryosurgery for treatment of epithelial cancers of the skin. Abadir DM. **J Dermatol Surg Oncol** 1980 Aug;6(8):633–5
Metastatic basal–cell carcinoma. Amonette RA, et al. **J Dermatol Surg Oncol** 1981 May;7(5):397–400
Lentigo maligna: cut out or freeze? [letter] Becker F. **J Dermatol Surg Oncol** 1980 Sep;6(9):691, 700
Large, aggressive basal–cell carcinomas of the scalp. Binstock JH, et al. **J Dermatol Surg Oncol** 1981 Jul;7(7):565–9
Cryogenic anesthesia and hemostasis. Biro L, et al. **J Dermatol Surg Oncol** 1980 Aug;6(8):608–10
Surgical ablation of multiple leiomyomas. Callies R. **J Dermatol Surg Oncol** 1980 Nov;6(11):944–5
More of lentigo maligna: cut out or freeze? [letter] Coleman WP 3d. **J Dermatol Surg Oncol** 1980 Dec;6(12):978
A glomus tumor mimicking a peripheral neuropathy. Horn MS, et al. **J Dermatol Surg Oncol** 1980 Nov;6(11):931–3
Cryosurgery for basal–cell carcinomas on the wings of the nose and in the nasolabial folds. Kuflik EG. **J Dermatol Surg Oncol** 1981 Jan;7(1):23–5
Linear verrucous nevus. Mahler D, et al. **J Dermatol Surg Oncol** 1981 Mar;7(3):262–5
Surgical management of congenital giant hairy pigmented nevi. Pitanguy I. **J Dermatol Surg Oncol** 1981 Feb; 7(2):137–41
Electrodesiccation of nevi aranei ('spiders') and senile angiomas. Robinson JK. **J Dermatol Surg Oncol** 1980 Oct; 6(10):794–5
Morpheaform basal–cell epitheliomas. A study of subclinical extensions in a series of 51 cases. Salasche SJ, et al. **J Dermatol Surg Oncol** 1981 May;7(5):387–94
How accurate is temperature monitoring in cryosurgery and is there an alternative? Zacarian SA. **J Dermatol Surg Oncol** 1980 Aug;6(8):627–32
Radiation–induced carcinoma of the hand. Bunkis J, et al. **J Hand Surg** 1981 Jul;6(4):384–7
Mohs' chemosurgery for skin cancer, microscopically controlled excision. McCall MW, et al. **J Ky Med Assoc** 1981 Sep;79(9):613–6 (19 ref.)
Cryosurgery for skin cancer. Kuflik EG. **J Med Soc NJ** 1981 Apr;78(4):277–80
Giant nevus of the scalp associated with intracranial pigmentation. Case report. Findler G, et al. **J Neurosurg** 1981 Jan;54(1):108–12
The argon laser for cutaneous lesions. Apfelberg DB, et al. **JAMA** 1981 May 22–29;245(20):2073–5
Moh's chemosurgery -- a highly effective and reliable method of treatment for skin cancer. Hien NT, et al. **Minn Med** 1981 Mar;64(3):135–8
The surgical removal and repair of large scalp lesions. Flashman T, et al. **Otolaryngol Head Neck Surg** 1981 Jan–Feb;89(1):69–74
A technical consideration in the serial excision of a nevus. Altchek ED. **Plast Reconstr Surg** 1980 Dec;66(6):849–50
Results of argon laser exposure of capillary hemangiomas of infancy--preliminary report. Apfelberg DB, et al. **Plast Reconstr Surg** 1981 Feb;67(2):188–93
Recurrent basal cell carcinoma [letter] Binstock JH. **Plast Reconstr Surg** 1981 May;67(5):697–8
Angiokeratoma circumscriptum of the index finger in a child. Dolph JL, et al. **Plast Reconstr Surg** 1981 Feb;67(2):221–3
The use of cross–leg flap in malignancy: realization of a potential complication. Sherman JE, et al. **Plast Reconstr Surg** 1981 Feb;67(2):230–3
Multiple linear spiradenomas. Tsur H, et al. **Plast Reconstr Surg** 1981 Jul;68(1):100–2
Decision in the management of cutaneous malignant melanoma. Goldman LI. **Semin Oncol** 1980 Dec;7(4):370–5
Argon laser treatment of port–wine hemangiomas: clinical and histologic correlation. McBurney EI, et al. **South Med J** 1981 Aug;74(8):925–6, 930
Compression and elevation of tissue in cryosurgical treatment of angiomas. Morgan CN. **South Med J** 1981 Aug; 74(8):938–40
Deeply invasive cutaneous malignant melanoma. Elias EG, et al. **Surg Gynecol Obstet** 1981 Jul;153(1):67–70
Treatment of the primary lesion in melanoma. Stehlin JS Jr. **Surg Gynecol Obstet** 1981 Apr;152(4):499–500
Malignant transformation of a scar in the scalp. Raja A, et al. **Surg Neurol** 1981 Mar;15(3):186–8
Regional lymph node dissection for malignant melanoma of the extremities. Roses DF, et al. **Surgery** 1981 Jun; 89(6):654–9
Stage I melanoma of the limbs. Immediate versus delayed node dissection. Veronesi U, et al. **Tumori** 1980 Jun 30; 66(3):373–96
[Surgical treatment of hugh neurofibroma of the back: report of 2 cases (author's transl)] Zhang DS. **Chung Hua Wai Ko Tsa Chih** 1979;17(6):485–6 **(Chi)**
[Combination of irradiation by a He–Ne laser and fast electrons in chronically recurrent basilomas with postactinic ulceration (author's transl)] Caha A, et al. **Cesk Radiol** 1980 Sep;34(5):352–5 (Eng. Abstr.) **(Cze)**
[Malignant melanoma of the skin] Olsen G. **Ugeskr Laeger** 1980 Dec 29;143(1):5–7 (Eng. Abstr.) **(Dan)**
[Carcinologic and esthetic results of the surgical treatment in 138 cases of basal cell epitheliomas] Marchac D, et al. **Ann Chir Plast** 1980;25(2):127–34 (Eng. Abstr.) **(Fre)**
[Xeroderma pigmentosum. Apropos of 12 surgical cases with malignant degeneration] Mouly R, et al. **Ann Chir Plast** 1980;25(2):117–25 (Eng. Abstr.) **(Fre)**
[Comparative examinations of the effect of general and local anesthesia upon the T–lymphocytes in melanoma operations (author's transl)] Seebacher C, et al. **Arch Geschwulstforsch** 1981;51(2):179–86 (Eng. Abstr.) **(Ger)**
[Viscero–cutaneous hemangiomatosis] Lambrecht W, et al. **Chirurg** 1981 Apr;52(4):271–4 (Eng. Abstr.) **(Ger)**
[Surgical treatment of Fortner's golden hamster melanomas A Mel3 and M Mel 1] Fiedler H, et al. **Dermatol Monatsschr** 1980 May;166(5):309–11 (Eng. Abstr.) **(Ger)**
[Defect coverage in the surgical therapy of advanced skin tumors] Müller RP. **Fortschr Med** 1981 Jun 25; 99(24):929–33 (Eng. Abstr.) **(Ger)**
[Skin incision in axillary lymph node excision] Tritsch H. **Hautarzt** 1981 Mar;32(3):139–40 (Eng. Abstr.) **(Ger)**
[Continuity dissection in malignant melanoma of the skin] Tritsch H. **Hautarzt** 1981 Feb;32(2):84–90 (Eng. Abstr.) **(Ger)**
[Principles of the surgical treatment of malignoma of the facial area (author's transl)] Haas E. **Laryngol Rhinol Otol (Stuttg)** 1980 Oct;59(10):603–10 (Eng. Abstr.) **(Ger)**
[Intracutaneous and subcutaneous cavernous hemangioma. Conservative and surgical therapy (author's transl)] Coerdt I. **MMW** 1980 Sep 19;122(38):1301–4 (Eng. Abstr.) **(Ger)**
[The clear–cell acanthoma] Korom I, et al. **Z Hautkr** 1980 Aug 15;55(16):1054–60 **(Ger)**
[Clinical dermato–surgery] Petres J, et al. **Z Hautkr** 1980 Sep 15;55(18):1193–1208 (Eng. Abstr.) **(Ger)**
[Iconography in operative dermatology] Ruppel R, et al. **Z Hautkr** 1980 Sep 15;55(18):1187–90 **(Ger)**
[Plastic surgery after extensive tumor surgery of the scalp] Frey M, et al. **Z Plast Chir** 1981 Mar;5(1):36–48 (Eng. Abstr.) **(Ger)**
[Advanced basal cell carcinoma] Olbrisch RR, et al. **Z Plast Chir** 1981 Jun;5(2):108–16 (Eng. Abstr.) **(Ger)**
[Surgical treatment of postburn cicatrices and cicatricial–trophic ulcers with malignant degeneration] Pakhomov SP, et al. **Khirurgiia (Mosk)** 1981 Apr;(4):79–82 (Eng. Abstr.) **(Rus)**
[Combined dermatoplasty in cranial surgery] Goncharenko ZZ, et al. **Vestn Khir** 1980 May;124(5):110–2 **(Rus)**
[Reflection coefficients in tumor exposure to high–energy laser radiation] Kozlov AP, et al. **Vopr Onkol** 1981; 27(3):60–4 (Eng. Abstr.) **(Rus)**
[Importance of the 'ex tempore' diagnosis in the surgical treatment of malignant melanoma of the skin] Vogdanov B, et al. **Med Pregl** 1980;33(7–8):317–20 (Eng. Abstr.) **(Scr)**
[Surgical treatment of melanoma of the extremities] Castel T, et al. **Actas Dermosifiliogr** 1981 Jan–Feb;72(1–2):29–36 **(Spa)**
[Cutaneous pan–nasal flap] Herrera E, et al. **Actas Dermosifiliogr** 1980 Jul–Aug;71(7–8):297–300 (Eng. Abstr.) **(Spa)**

THERAPY

The management of malignant and premalignant lesions of the skin. Monheit GD, et al. **Ala J Med Sci** 1981 Apr; 18(2):153–8
Current concepts of cutaneous melanoma. Lamberts R, et al. **Ariz Med** 1980 Nov;37(11):775–8
Adjuvant immunotherapy of high risk stage I melanoma with transfer factor. Blume MR, et al. **Cancer** 1981 Mar 1; 47(5):882–8
Surgical adjuvant therapy of malignant melanoma with corynebacterium parvum. Hilal EY, et al. **Cancer** 1981 Jul 15;48(2):245–51
DTIC and combination therapy for melanoma: III. DTIC (NSC 45388) Surgical Adjuvant Study COG PROTOCOL 7040. Hill GJ 2d, et al. **Cancer** 1981 Jun 1;47(11):2556–62
Hyperthermic therapy for human neoplasms: thermal death time. Storm FK, et al. **Cancer** 1980 Oct 15;46(8):1849–54
Electrocoagulation for skin cancer: an old oncologic tool revisited. Whelan CS, et al. **Cancer** 1981 May 1; 47(9):2280–7
Misuse of scalp hypothermia. Witman G, et al. **Cancer Treat Rep** 1981 May–Jun;65(5–6):507–8
Basal cell carcinoma. Casson P. **Clin Plast Surg** 1980 Jul; 7(3):301–11
Malignant melanoma: an update. Mandel MA. **Clin Plast Surg** 1980 Jul;7(3):379–96
A dermatologist's approach to the management of skin cancer. Robins P. **Clin Plast Surg** 1980 Jul;7(3):421–32
Basal cell carcinoma of the skin recurrence rate after different types of treatment. A review. Reymann F. **Dermatologica** 1980;161(4):217–26 (37 ref.)
Regression by active specific immunotherapy of established dermal tumor transplants and lymph node metastases in guinea pigs. Yarkoni E, et al. **Infect Immun** 1981 Jan; 31(1):514–6
New trends in the treatment of malignant melanoma. Veronesi U, et al. **Int Adv Surg Oncol** 1978;1:113–56 (141 ref.)
Mycosis fungoides [letter] Lamberg SI. **J Am Acad Dermatol** 1980 Nov;3(5):529–30
Therapy of lentigo maligna and Spitz nevus [letter] Lowe D. **J Am Acad Dermatol** 1980 Nov;3(5):531–2
Angiosarcoma of the scalp. Simon SI, et al. **J Dermatol Surg Oncol** 1980 Nov;6(11):935–7
Treatment by limited surgery and specific immunization of guinea pigs with stage II experimental cancer. Hunter JT, et al. **J Exp Med** 1981 Aug 1;154(2):253–61
Photoradiation therapy for cutaneous and subcutaneous malignancies. Dougherty TJ. **J Invest Dermatol** 1981 Jul; 77(1):122–4
Malignant melanoma: current trends and future prospects. Murray JL, et al. **J Okla State Med Assoc** 1980 Nov; 73(11):377–81
Combination therapy for advanced malignant melanoma with BCNU, pseudomonas vaccine, and heparin. Snyder RD, et al. **J Surg Oncol** 1981;16(1):87–92
Interferon treatment of skin cancer in patients with epidermodysplasia verruciformis [letter] Blanchet–Bardon C, et al. **Lancet** 1981 Jan 31;1(8214):274
Response of cutaneous T cell lymphoma to therapy with hybridoma monoclonal antibody. Miller RA, et al. **Lancet** 1981 Aug 1;2(8240):226–30
Management of common skin tumours. Rogers M. **Med J Aust** 1980 Sep 6;2(5):239–43
Ultrastructural and clinical observations on skin metastases from breast cancer patients following intralesional treatment with MER/BCG vaccine. Bar–Sella P, et al. **Oncology** 1981;38(4):198–203
Medical treatment of malignant melanoma. Beretta G. **Oncology** 1980;37 Suppl 1:88–91 (23 ref.)
De novo cutaneous neoplasm: biologic behavior in an immunosuppressed patient. Beatty ME, et al. **Plast Reconstr Surg** 1980 Oct;66(4):623–7
The treatment of advanced malignant melanoma. Retsas S. **Practitioner** 1980 Oct;224(1348):1019–21
Isolated limb perfusion for malignant melanoma. Rosin RD, et al. **Practitioner** 1980 Oct;224(1348):1031–6
Carcinomas of the skin and their treatment. Turk LL, et al. **Semin Oncol** 1980 Dec;7(4):376–84 (44 ref.)
Cryotherapy of basal cell lesions. Allen ED, et al. **Trans Ophthalmol Soc UK** 1979 Jul;99(2):264–8
[Intralesional application of BCG] Kubíková M, et al. **Cesk Dermatol** 1980 Aug;55(4):280–1 **(Cze)**
[Multiple basalomas of the skin in cryotherapy (author's transl)] Rozsívalová V, et al. **Cesk Dermatol** 1981 Feb; 56(1):34–6 (Eng. Abstr.) **(Cze)**
[Cancer immunotherapy in dermatological view (author's transl)] Lübbe D, et al. **Arch Geschwulstforsch** 1980; 50(2):182–5 (Eng. Abstr.) **(Ger)**
[Primary centrocytic lymphoma of the skin: diagnosis, course and therapy (author's transl)] Schultz–Ehrenburg U, et al. **Dermatologica** 1981;162(5):350–61 (Eng. Abstr.) **(Ger)**
[Therapy of mycosis fungoides] Burg G, et al. **Ther Ggw** 1980 Jul;119(7):773–90 **(Ger)**
[Therapy of pseudolymphomas] Goos M. **Z Hautkr** 1980 Oct 15;55(20):1367–71 **(Ger)**
[Medical therapy of tumors. III] Cerimele E. **Clin Ter** 1980 Jul 31;94(2):185–228 (0 ref.) **(Ita)**
[Comprehensive treatment for malignant melanoma (author's

transl)] Uhrík J, et al. **Cesk Dermatol** 1980;55(6):368–71 (Eng. Abstr.) **(Slo)**

[Cryotherapy of malignant cutaneous tumors. 5 years' experience] Robledo, et al. **Actas Dermosifiliogr** 1981 Jan–Feb;72(1–2):3–4 **(Spa)**

[Immunotherapy with BCG as coadjuvant in the management of malignant melanomas] Céspedes de Gómez MM, et al. **Alergia** 1980 Apr;27(2):69–86 (Eng. Abstr.) **(Spa)**

ULTRASTRUCTURE

Electron microscopic observations on dermatofibrosarcoma protuberans. Pietrow D, et al. **Acta Med Pol** 1980; 21(4):389–91

Ultrastructural study of hemangiomas. 1. Capillary hemangioma of the skin. Kojimahara M, et al. **Acta Pathol Jpn** 1981 Jan;31(1):105–15

Tubuloreticular structures in human malignant melanoma [letter] Moura Nunes JF, et al. **Arch Pathol Lab Med** 1980 Nov;104(11):610

Pagetoid reticulosis: a disease of histiocytic origin. Chu AC, et al. **Br J Dermatol** 1980 Aug;103(2):147–57

A cutaneous APUDoma or Merkel cell tumor? A morphologically recognizable tumor with a biological and histological malignant aspect in contrast with its clinical behavior. De Wolff-Peeters C, et al. **Cancer** 1980 Oct 15; 46(8):1810–6

Infantile digital fibromatosis. Ultrastructural, histochemical, and tissue culture observations. Iwasaki H, et al. **Cancer** 1980 Nov 15;46(10):2238–47

Quantitative electron microscopic comparison of lymphocyte nuclear contours in mycosis fungoides and in benign infiltrates in skin. McNutt NS, et al. **Cancer** 1981 Feb 15; 47(4):698–709

Primary small cell carcinoma of the skin. Taxy JB, et al. **Cancer** 1980 Nov 15;46(10):2308–11

Multicentric reticulohistiocytosis: report of two cases with ultrastructure, tissue culture and immunology studies. Coode PE, et al. **Clin Exp Dermatol** 1980 Sep;5(3):281–93

The ultrastructure of whole cells from two human keratinocyte strains during cell spreading and island formation in vitro. Macartney JC, et al. **Exp Cell Res** 1981 Apr;132(2):411–21

Neuroendocrine skin carcinoma associated with calcitonin production: a Merkel cell carcinoma? Johannessen JV, et al. **Hum Pathol** 1980 Sep;11(5 Suppl):586–8

Cell processes in basal cell carcinoma. Cutler B, et al. **J Cutan Pathol** 1980 Oct;7(5):310–4

Ultrastructural characterization of the extramammary Paget cell plasma membrane: a freeze-fracture study. Kitajima Y, et al. **J Cutan Pathol** 1980 Dec;7(6):364–72

Nevus lipomatosus cutaneous superficialis. An electron microscopic study of four cases. Reymond JL, et al. **J Cutan Pathol** 1980 Oct;7(5):295–301

Multiple cutaneous fibromyxomas: a light and electron microscopic study. Zina AM, et al. **J Cutan Pathol** 1980 Dec;7(6):335–41

A histological atlas of pseudomalignant and malignant lymphoreticular disorders of the skin. Heilman E, et al. **J Dermatol Surg Oncol** 1980 Aug;6(8):646–51

Melanoma. An ultrastructural study of the host inflammatory and vascular responses. Dvorak AM, et al. **J Invest Dermatol** 1980 Nov;75(5):388–93

Biochemical and ultrastructural demonstration of elastin accumulation in the skin lesions of the Buschke-Ollendorff syndrome. Uitto J, et al. **J Invest Dermatol** 1981 Apr; 76(4):284–7

An ultrastructural study of cartilaginous zones and surrounding epithelium in mixed tumors of salivary glands and skin. Mills SE, et al. **Lab Invest** 1981 Jan;44(1):6–12

The ultrastructure of malignant melanomas. Observations on seven cases. Rădulescu D. **Morphol Embryol (Bucur)** 1981 Jan–Mar;27(1):43–5

Postmastectomy angiosarcoma: ultrastructural study of a case. Govoni E, et al. **Tumori** 1981 Feb 28;67(1):79–86

Clefts in intradermal nevi: an ultrastructural study. Fresko O, et al. **Ultrastruct Pathol** 1980 Jul–Sep;1(3):361–6

[Dermatofibrosarcoma protuberans developing for 25 years with 27 recurrences. Histological and ultrastructural study] Mandalenakis N, et al. **Ann Anat Pathol (Paris)** 1980; 25(2):139–50 (Eng. Abstr.) **(Fre)**

[Ultrastructural aspects of the epidermis from a sun exposed and from a covered area in two cases of xeroderma pigmentosum (x. p.) and in two controls (author's transl)] Bechelli LM, et al. **Ann Dermatol Venereol** 1980 Jul; 107(7):621–8 (Eng. Abstr.) **(Fre)**

[Ultrastructural images of nuclear extrusions in cutaneous lymphomas (author's transl)] Schintzler L, et al. **Dermatologica** 1981;162(1):27–35 (Eng. Abstr.) **(Fre)**

[Angioblastic sarcoma of type gemmangioma (author's transl)] Thormann T, et al. **Dermatol Monatsschr** 1981 Mar; 167(3):162–8 (Eng. Abstr.) **(Ger)**

[Alternations of dermal lymphocytes in mycosis fungoides, a study with the scanning electron microscope (author's transl)] Sterry W, et al. **Z Hautkr** 1981 Apr 15; 56(8):498–508 (Eng. Abstr.) **(Ger)**

[Ultrastructural changes in breast cancer metastases following intralesional injections of MER] Bar-Sella P, et al. **Harefuah** 1980 Dec 15;99(12):413–5 (Eng. Abstr.) **(Heb)**

[Clinical observations in cutaneous lymphoma] Szigeti A, et al. **Orv Hetil** 1980 Sep 14;121(37):2249–52 **(Hun)**

[20-methylcholanthrene-induced mice skin cancer. Part 2. Electron-microscopic studies on tumor developing process (author's transl)] Hori M. **Nippon Hifuka Gakkai Zasshi** 1981 Jan;91(1):33–42 **(Jpn)**

[Studies on experimental skin cancer—micro- and electron microscopic studies by 3H-TdR flash labelling method and nuclear DNA measurement in cancer cells (author's transl)] Ueda KU, et al. **Nippon Hifuka Gakkai Zasshi** 1981 Jan; 91(1):13–24 **(Jpn)**

[Adult type T cell CLL with lymphoblastic sarcoma in skin tumor (author's transl)] Yoshinaga H, et al. **Nippon Hifuka Gakkai Zasshi** 1980;90(5):425–8 **(Jpn)**

[Angioleiomyoma: clinical, histological and ultrastructural study] Delgado V, et al. **Actas Dermosifiliogr** 1980 Jul–Aug; 71(7–8):277–82 (Eng. Abstr.) **(Spa)**

[Experience in the anatomopathological diagnosis of cutaneous melanomas] Moreno Carazo A, et al. **Med Cutan Iber Lat Am** 1979;7(4–6):99–108 (Eng. Abstr.) **(Spa)**

URINE

[Hyperexcretion of zinc in malignant melanoma] Horčičko J, et al. **Cesk Dermatol** 1980 Aug;55(4):249–51 **(Cze)**

VETERINARY

A solitary plasmacytoma in a dog with progression to a disseminated myeloma. Lester SJ, et al. **Can Vet J** 1980 Oct;21(10):284–6

Dermal squamous cell carcinoma in broiler chickens in Saskatchewan. Riddell C, et al. **Can Vet J** 1980 Oct; 21(10):287–9

Testing of the fungicide maneb for carcinogenicity in two populations of the European crested newt. Zavanella T, et al. **Cancer Lett** 1980 Aug;10(2):109–16

Equine congenital cutaneous papillomatosis: a report of 5 cases. Garma-Aviña A, et al. **Equine Vet J** 1981 Jan; 13(1):59–61

Squamous cell carcinoma in an Indochina sika deer. Ensley PK, et al. **J Am Vet Med Assoc** 1980 Nov 1;177(9):932

Hyperthermic treatment of superficial tumors in cats and dogs. Grier RL, et al. **J Am Vet Med Assoc** 1980 Aug 1;177(3):227–33

Cutaneous melanomas in domestic animals. Garma-Aviña A, et al. **J Cutan Pathol** 1981 Feb;8(1):3–24 (85 ref.)

Systemic phycomycosis and multiple fibromas in a gray squirrel (Sciurus carolinensis). Novilla MN, et al. **J Wildl Dis** 1981 Jan;17(1):89–95

Virus associated papillomas in colobus monkeys (Colobus guereza). Rangan SR, et al. **Lab Anim Sci** 1980 Oct; 30(5):885–9

On spontaneous skin tumours in amphibia. Khudoley VV, et al. **Neoplasma** 1980;27(3):289–93

Prospective analysis cryosurgery as the sole treatment for equine sarcoids. Fretz PB, et al. **Vet Clin North Am [Small Anim Pract]** 1980 Nov; 10(4):847–59

Primary canine cutaneous meningioma. Herrera GA, et al. **Vet Pathol** 1981 Jan;18(1):127–30

Experimental transmission of bovine papilloma virus (BPV) extracted from morphologically distinct teat and cutaneous lesions and the effects of inoculation of BPV transformed fetal bovine cells. Meischke HR. **Vet Rec** 1979 Apr 21; 104(16):360–6

Molecular heterogeneity and lesion site specificity of cutaneous bovine papillomaviruses. Campo MS, et al. **Virology** 1981 Aug;113(1):323–35

Mastocytomas in the dairy cow: two case reports. Bliss EL, et al. **VM SAC** 1981 Jan;76(1):79–81

[Short communications on cases of eye, larynx, trachea and skin disease] Petrick SW. **J S Afr Vet Assoc** 1981 Mar; 52(1):69–70 (Eng. Abstr.) **(Afr)**

[Jackson's sarcoid: the 1st description of a case observed in Tunisia] Zarrouk K, et al. **Arch Inst Pasteur Tunis** 1980 Mar–Jun;57(1–2):41–51 (Eng. Abstr.) **(Fre)**

[General facts on mastocytoma in the dog. Apropos of the first Tunisian case] Zarrouk K, et al. **Arch Inst Pasteur Tunis** 1979 Sep;56(3):255–78 (Eng. Abstr.) **(Fre)**

[Differences in lymphocyte proliferation from horses with and without melanoma] Vogel I, et al. **Berl Muench Tieraerztl Wochenschr** 1980 Aug;93(15):281–3 (Eng. Abstr.) **(Ger)**

[An extreme congenital papillomatosis of a piglet (author's transl)] Rieke H. **DTW** 1980 Nov 5;87(11):412–3 (Eng. Abstr.) **(Ger)**

[Polyamine and histamine contents in the blood of pigmented, depigmented and melanoma bearing Lipizzaner horses] Desser H, et al. **Zentralbl Veterinaermed [A]** 1980 Feb; 27(1):45–53 (Eng. Abstr.) **(Ger)**

SKIN PIGMENTATION

Heritability and components of phenotypic expression in skin reflectance of Mestizos from the Peruvian lowlands. Frisancho AR, et al. **Am J Phys Anthropol** 1981 Jun; 55(2):203–8

Skin colorimetry and admixture measurement: some further considerations. Korey KA. **Am J Phys Anthropol** 1980 Jul; 53(1):123–8

Coronary heart disease risk factors in men with light and dark skin in Puerto Rico. Costas R Jr, et al. **Am J Public Health** 1981 Jun;71(6):614–9

Skin color and education effects on blood pressure. Keil JE, et al. **Am J Public Health** 1981 May;71(5):532–4

Possible systematic errors in measurements of skin colour using the EEL reflectance spectrophotometer. Beerens EG. **Ann Hum Biol** 1980 Nov–Dec;7(6):555–63

Estimating the number of loci determining skin colour in a hybrid population. Byard PJ, et al. **Ann Hum Biol** 1981 Jan–Feb;8(1):49–58

Incontinentia pigmenti achromians as part of a neurocutaneous syndrome: a case report. Hamada K, et al. **Brain Dev** 1979;1(4):313–7

Tinea versicolor: ultrastructural studies on hypopigmented and hyperpigmented skin. Karaoui R, et al. **Dermatologica** 1981;162(2):69–85

Kanamycin ototoxicity and pigmentation in the guinea pig. Comis SD, et al. **Hear Res** 1980 Oct;3(3):249–51

Depression of ascorbic acid by drug & hormones in white & black skins of guinea pig. Mondal M, et al. **Indian J Exp Biol** 1980 Dec;18(12):1499–501

Quick 'suntan' pills in Canada [letter] Jackson R. **J Am Acad Dermatol** 1981 Feb;4(2):233

Reflection spectrophotometry of facial skin. Koran A, et al. **J Dent Res** 1981 Jun;60(6):979–82

Skin-colour changes i the lizard, Anolis carolinensis, in response to localized electrical stimulation and lesions in the diencephalon. Hemer JH, et al. **J Endocrinol** 1981 May; 89(2):241–50

The genetic basis of a dorsal color polymorphism in Rana pipiens. Fogleman JC, et al. **J Hered** 1980 Nov–Dec; 71(6):439–40

Disordered pigmentation, spastic paraparesis and peripheral neuropathy in three siblings: a new neurocutaneous syndrome. Abdallat A, et al. **J Neurol Neurosurg Psychiatry** 1980 Nov;43(11):962–6

Seasonal influences of births and male sex skin coloration in rhesus monkeys (macaca mulatta) in the southern hemisphere. Bielert C, et al. **J Reprod Fertil** 1981 May; 62(1):229–33

Malignant melanoma of the choroid associated with oculodermal melanocytosis. Gonder JR, et al. **Ophthalmology (Rochester)** 1981 Apr;88(4):372–6

Comment on transcutaneous bilirubin device of Yamanouchi [letter] Corchia C, et al. **Pediatrics** 1981 Mar;67(3):442

A theoretical and experimental study of light absorption and scattering by in vivo skin. Dawson JB, et al. **Phys Med Biol** 1980 Jul;25(4):695–709

The number of Dermatobia hominis lesions in Zebu cow hides of different colours. Marsden PD, et al. **Trans R Soc Trop Med Hyg** 1979;73(4):458–9

DRUG EFFECTS

Calcium-dependent prolonged effects on melanophores of [4-norleucine, 7-D-phenylalanine]-alpha-melanotropin. Hadley ME, et al. **Science** 1981 Aug 28;213(4511):1025–7

[Amiodarone pigmentation. A rare, but typical drug side-effect] Korting HC, et al. **Hautarzt** 1981 Jun; 32(6):301–5 (Eng. Abstr.) **(Ger)**

RADIATION EFFECTS

Clinical aspects of the immediate pigment darkening (IPD) reaction in normal individuals. Beitner H, et al. **Acta Derm Venereol (Stockh)** 1980;60(4):323–6

Natural and artificial photoprotection. Cripps DJ. **J Invest Dermatol** 1981 Jul;77(1):154–7

SKIN SYPHILIS see **SYPHILIS, CUTANEOUS**

SKIN TEMPERATURE

Characterisation of breast skin temperature rhythms of women in relation to menstrual status. Phillips MJ, et al. **Acta Endocrinol (Copenh)** 1981 Mar;96(3):350–60

Hypnotizability in relation to the ability to learn thermal biofeedback. Frischholz EJ, et al. **Am J Clin Hypn** 1980 Jul;23(1):53–6

Directional effects of skin temperature self-regulation on regional cerebral blood flow in normal subjects and migraine patients. Claghorn JL, et al. **Am J Psychiatry** 1981 Sep;138(9):1182–7

Central peripheral temperature gradient. Its value and limitations in the management of critically iii surgical patients. Kholoussy AM, et al. **Am J Surg** 1980 Nov; 140(5):609–12

Use of the portable infrared thermometer as a means of measuring limb surface temperature in the horse. Palmer SE. **Am J Vet Res** 1981 Jan;42(1):105–8

Finger systolic pressures and skin temperatures in severe Raynaud's syndrome: the relationship to healing of skin lesions and the use of oral phenoxybenzamine. Carter SA. **Angiology** 1981 May;32(5):298–310

Skin temperature biofeedback and migraine headaches. A double-blind study. Kewman D, et al. **Biofeedback Self Regul** 1980 Sep;5(3):327–45

Effect of slow and rapid skin heating on the activity of single neurons in the preoptic area of unanesthetized rabbits. Gordon CJ. **Brain Res Bull** 1981 May;6(5):371–6

Semicircular thermocouple needle depth gauge for cryoprocedures. Pappenfort RB. **Cutis** 1981 Jun; 27(6):605–8

Influence of air flow and skin temperature on sweating at the onset, during and following exercise. Davies CT. **Ergonomics** 1980 Jun;23(6):559–69

Neuronal responses in the rat's thalamus to scrotal heating. Schingnitz G. **Exp Brain Res** 1981;43(3–4):419–21
Specific and non-specific effects of skin temperature control in migraine management. Largen JW, et al. **Headache** 1981 Mar;21(2):36–44
Meal timing alters circadian rhythm of skin surface temperature in non-human primates. Meis PJ, et al. **Int J Chronobiol** 1980;7(2):65–76
Influence of skin temperature on central thermoregulatory control of leg blood flow. Proppe DW. **J Appl Physiol** 1981 May;50(5):974–8
Alleviation of performance deficits of depression through thermal biofeedback training. Klee S, et al. **J Clin Psychol** 1981 Jul;37(3):515–8
How accurate is temperature monitoring in cryosurgery and is there an alternative? Zacarian SA. **J Dermatol Surg Oncol** 1980 Aug;6(8):627–32
Skin temperature biofeedback in children and adults. Suter S, et al. **J Exp Child Psychol** 1981 Aug;32(1):77–87
Response of cold receptors to low skin temperatures in nose of the cat. Ducluax R, et al. **J Neurophysiol** 1980 Jun; 43(6):1571–7
Neonatal skin temperature distribution using infra-red colour thermography. Clark RP, et al. **J Physiol (Lond)** 1980 May; 302:323–33
The relationship of cognitively induced anxiety and hand temperature reduction. Butschek DS, et al. **J Psychosom Res** 1980;24(3–4):131–6
Assessment of skin temperature elevation and heat diffusion with electrosurgical currents. Aubry-Frize M, et al. **Med Instrum** 1980 Sep–Oct;14(5):272–5
A rise in ambient temperature augments insulin absorption in diabetic patients. Koivisto VA, et al. **Metabolism** 1981 Apr;30(4):402–5
Self-hypnosis, biofeedback, and voluntary peripheral temperature control in children. Dikel W, et al. **Pediatrics** 1980 Sep;66(3):335–40
Brief skin temperature changes towards thermoneutrality trigger REM sleep in rats. Szymusiak R, et al. **Physiol Behav** 1980 Aug;25(2):305–11
Skin temperature and thermal comfort in weightlessness. Novák L, et al. **Physiologist** 1980 Dec;23(Suppl 6):S139–40
Biofeedback-induced control of human peripheral temperature: a critical review of the literature. King NJ, et al. **Psychol Bull** 1980 Nov;88(3):738–52
Skin temperature and subcutaneous adipose blood flow in man. Astrup A, et al. **Scand J Clin Lab Invest** 1980 Apr; 40(2):135–8
[Servoregulation of temperature of premature infants in a Dräger incubator] Vocel J, et al. **Cesk Pediatr** 1980 Dec; 35(12):675–8 (Eng. Abstr.) **(Cze)**
[The distribution pattern of core- and skin temperatures in healthy and cardio-pulmonary diseased, ventilated newborn infants (author's transl)] Simbruner G, et al. **Klin Paediatr** 1981 Jan;193(1):41–5 (Eng. Abstr.) **(Ger)**
[Considerations on the orgin of thermographic signs (author's transl)] Górski S. **Pol Przegl Radiol** 1980 Jan–Feb; 44(1):7–12 (Eng. Abstr.) **(Pol)**
[Value of the thermal test in the diagnosis of vibration disease] Sroczyński J, et al. **Pol Tyg Lek** 1980 Nov 10;35(45):1733–5 (Eng. Abstr.) **(Pol)**
[Relation between the temperature of different skin layers and changes in the firing of cold cutaneous thermoreceptors] Konstantinov VA, et al. **Fiziol Zh SSSR** 1980 Dec;66(12):1785–91 (Eng. Abstr.) **(Rus)**
[Thermal state of young schoolchildren in a hot climate] Enina LN. **Gig Sanit** 1980 Jul;(7):29–31 (Eng. Abstr.) **(Rus)**
[Myocardial ischemia and the reaction of the blood vessels of the arm (results of infrared radiation)] Orlov GA, et al. **Kardiologiia** 1981;21(1):96–7 **(Rus)**

DRUG EFFECTS

Nicotinic acid and skin temperature [letter] Livingstone SD, et al. **Lancet** 1981 Jul 4;2(8236):49
Nicotinic acid flush [letter] Parodi A, et al. **Lancet** 1981 Aug 29;2(8244):477
Facial skin temperature and the chlorpropamide/alcohol flush in diabetics [letter] Radder JK, et al. **Lancet** 1980 Nov 8;2(8202):1037
Modification of skin temperature, rectal temperature and excitability during anaesthesia. Rottenberg F, et al. **Rev Med Chir Soc Med Nat Iasi** 1980 Apr–Jun;84(2):263–5
[A contribution to the cooling effect of external remedies on the live human skin (author's transl)] Bartholmös G, et al. **Pharmazie** 1981;36(1):60–1 (Eng. Abstr.) **(Ger)**
[Changes in the capillary state and skin temperature of the hands as affected by an NTB-type synthetic glue in shoe industry workers] Fidurov IaN, et al. **Vestn Dermatol Venerol** 1980 Oct;(10):32–4 (Eng. Abstr.) **(Rus)**

SKIN TESTS

Comparison of patch test results in two adjacent areas of England. II. Medicaments. Wilkinson JD, et al. **Acta Derm Venereol (Stockh)** 1980;60(3):245–9
Non-immunologic contact urticaria. Lahti A. **Acta Derm Venereol [Suppl] (Stockh)** 1980;Suppl 91:1–49
Effect of topical indomethacin on allergen-induced dual skin reactions. Dorsch W, et al. **Allergy** 1980 Sep;35(6):503–8
Allergy to aminophylline: lack of predictability by skin testing. Kradjan WA, et al. **Am J Hosp Pharm** 1981 Jul; 38(7):1031–3
Cutaneous responses to tests with influenza vaccines. Buttar K, et al. **Ann Allergy** 1981 Apr;46(4):183–8
Anaphylaxis following trichophytin skin testing [letter] Geller M, et al. **Ann Allergy** 1980 Dec;45(6):381
Comparison of the radioallergosorbent test to intradermal skin testing in the diagnosis of stinging insect venom allergy. Hoffman DR. **Ann Allergy** 1979 Oct;43(4):211–3
Abnormal cutaneous innervation in multiple endocrine neoplasia, type 2b. Carney JA, et al. **Ann Intern Med** 1981 Mar;94(3):362–3
The 'in vitro skin test': a reliable and repeatable assay of immune competence in the surgical patient. Munster AM, et al. **Ann Surg** 1981 Sep;194(3):345–52
Skin test with Varicella-zoster virus antigen on herpes zoster patients. Hata S. **Arch Dermatol Res** 1980;268(1):65–70
Skin test and lymphocyte stimulation in delayed hypersensitivity against staphylococcal antigens. Relation to bacterial cell fractions. Meyer-Bloch JC, et al. **Arch Dermatol Res** 1980;268(1):1–7
Circulating antibodies in rabbits against a Kveim Material. Stahl D, et al. **Arch Dermatol Res** 1981;270(1):77–80
Thermographic analysis of skin test reaction using AGA thermovision. Stüttgen G, et al. **Arch Dermatol Res** 1980; 268(2):113–28
A comparative study on basophil histamine release and skin testing in children with allergic rhinitis. Kazimierczak W, et al. **Arch Immunol Ther Exp (Warsz)** 1980;28(6):935–9
Repeated patch testing in penicillin allergy. Bruynzeel DP, et al. **Br J Dermatol** 1981 Feb;104(2):157–9
Patch test concentrations of grotan BK [letter] Dahl MG. **Br J Dermatol** 1981 May;104(5):607
The potassium iodide patch test in the dermatitis herpetiformis in relation to treatment with a gluten-free diet and dapsone. Haffenden GP, et al. **Br J Dermatol** 1980 Sep;103(3):313–7
An intradermal test to detect latent warble (Hypoderma spp.) infection in cattle. Khan MA. **Can Vet J** 1981 Feb; 22(2):36–41
Prognostic value of prechemotherapy skin tests in patients with metastatic breast carcinoma. Hortobagyi GN, et al. **Cancer** 1981 Mar 15;47(6):1369–76
Inflammatory oncotaxis after testing the skin of the cancer patient. Shine T, et al. **Cancer** 1981 Mar 15;47(6):1325–8
Prick testing for Aspergillus [letter] Eaton KK, et al. **Clin Allergy** 1980 Sep;10(5):639–41
Skin test reactivity to dog-derived antigens. Lutsky I, et al. **Clin Allergy** 1980 May;10(3):331–40
Skin test reactivity and in vitro responses to microbes and microbial antigens. Räsänen L. **Clin Exp Immunol** 1980 Jun; 40(3):566–72
New results and some remarks to the 'angry back syndrome'. Bandmann HJ, et al. **Contact Dermatitis** 1981 Jan;7(1):23–6
Patch test sensitization to D & C yellow No. 11 and simultaneous reaction to quinoline yellow. Björkner B, et al. **Contact Dermatitis** 1981 Jan;7(1):1–4
Test concentrations and vehicles for dermatological testing of cosmetic ingredients. Maibach HI, et al. **Contact Dermatitis** 1980 Oct;6(6):369–404
Leaves of Ginkgo biloba not allergenic for Toxicodendron-sensitive subjects. Mitchell JC, et al. **Contact Dermatitis** 1981 Jan;7(1):47–8
Stability of formalin test solutions. Wahlberg JE, et al. **Contact Dermatitis** 1981 Jan;7(1):43–4
Clinical evaluation of the Makari Intradermal Test in patients with cancer of the colon and rectum. Panahandeh A, et al. **Dis Colon Rectum** 1981 Apr;24(3):161–70
Cinnamic alcohol: A survey of consumer patch-test sensitization. Steltenkamp RJ, et al. **Food Cosmet Toxicol** 1980 Aug;18(4):419–24
Citral: A survey of consumer patch-test sensitization. Steltenkamp RJ, et al. **Food Cosmet Toxicol** 1980 Aug; 18(4):413–17
Hydroxycitronellal: A survey of consumer patch-test sensitization. Steltenkamp RJ, et al. **Food Cosmet Toxicol** 1980 Aug;18(4):407–12
Allergen skin-test reactivity in a community population sample: correlation with age, histamine skin reactions and total serum immunoglobulin E. Barbee RA, et al. **J Allergy Clin Immunol** 1981 Jul;68(1):15–9
Skin testing in farmers' lung disease. Freedman PM, et al. **J Allergy Clin Immunol** 1981 Jan;67(1):51–8
Nonsteroidal anti-inflammatory-analgesic drugs and cutaneous tests for immediate hypersensitivity [letter] Simon RA, et al. **J Allergy Clin Immunol** 1981 Mar; 67(3):247
Significance of serological and intradermal tests in amoebiasis. Alam SM, et al. **J Assoc Physicians India** 1981 Jan;29(1):19–24
Kveim induced lymphocyte reactivity in patients and household contacts of patients with Crohn's disease. Simon MR, et al. **J Clin Lab Immunol** 1980 May;3(3):175–8
Studies on skin test for amoebiasis. Bilqees FM, et al. **J Egypt Public Health Assoc** 1979;54(5–6):425–30
Tetanus toxoid skin test in children: correlation with in vitro lymphocyte stimulation and monocyte chemotaxis. Borut TC, et al. **J Pediatr** 1980 Oct;97(4):567–73
Allergen skin prick testing in asthmatic children [letter] Czarny D, et al. **Med J Aust** 1981 May 2;1(9):494
An analysis of allergy, immunoglobulin E, and diagnostic skin tests in schistosomiasis. Weltman JK, et al. **Parasite Immunol** 1981 Summer;3(2):157–63
Comparison between intracutaneous and prick tests in detecting sensitizations to common Mediterranean allergens. Brusasco V, et al. **Respiration** 1980;40(6):317–22
Assessment of immediate and delayed hypersensitivity skin tests with Schistosoma mansoni adult worm antigen in a rural Egyptian population. Higashi GI, et al. **Trop Geogr Med** 1980 Sep;32(3):245–50
Leptospirin – an intradermic test for the diagnosis of leptospirosis. Schönberg A, et al. **Zentralbl Bakteriol [A]** 1980 Jun;247(1):114–23
[Skin tests and malignant melanoma] Duchková H, et al. **Cesk Dermatol** 1980 Aug;55(4):267–70 **(Cze)**
[The results of cellular immunity reactions in malignant melanoma] Lübbe D, et al. **Cesk Dermatol** 1980 Aug; 55(4):266–7 **(Cze)**
[Effective substance concentration in epicutaneous tests, and the SI System (author's transl)] Nováková O, et al. **Cesk Dermatol** 1980 Oct;55(5):327–9 (Eng. Abstr.) **(Cze)**
[Clinical relevance of skin tests in children with atopic dermatitis] Hamann K. **Ugeskr Laeger** 1981 Jan 19; 143(4):200–3 (Eng. Abstr.) **(Dan)**
[The use of skin tests for defining a population of highly infectious patients hospitalized in intensive care units] Rapin M. **Ann Anesthesiol Fr** 1980;21(3):251–2 **(Fre)**
[Allergy to rosin caused by patch tests] Schlewer G, et al. **Derm Beruf Umwelt** 1980;28(1):16–7 (Eng. Abstr.) **(Fre, Ger)**
[Assessment of the immune state in a surgical miliev. Comparison of 2 methods : multipuncture or intradermal reaction?] Champault G, et al. **Med Chir Dig** 1981; 10(1):15–22 (Eng. Abstr.) **(Fre)**
[Intradermal reaction to phytohaemagglutinin. Value in paediatrics (author's transl)] Wagner X, et al. **Nouv Presse Med** 1980 Mar 29;9(15):1077–80 (Eng. Abstr.) **(Fre)**
[Diagnosis of cysticercosis using the intradermal test] Zapart W, et al. **Angew Parasitol** 1981 Feb;22(1):21–5 (Eng. Abstr.) **(Ger)**
[Value of DNFB skin testing in patients with bladder cancer (author's transl)] Hudemann B, et al. **Arch Geschwulstforsch** 1980;50(2):173–7 (Eng. Abstr.) **(Ger)**
[Investigation of postoperative suppression of cellular immunity in infants and children by DNCB skin test (author's transl)] Kurz R, et al. **Paediatr Padol** 1981; 16(2):143–9 (Eng. Abstr.) **(Ger)**
[Skin tests before and after steroid and antihistamine therapy (author's transl)] Reinert M. **Prax Klin Pneumol** 1981 Jan; 35(1):34–5 (Eng. Abstr.) **(Ger)**
[Significance of skin test and RAST in the diagnosis of insect sting allergy (author's transl)] Koranda W, et al. **Wien Med Wochenschr** 1981;131(11):301–3 (Eng. Abstr.) **(Ger)**
[Experimental findings after application of Kveim antigen. III. Sensitization of mice with living and killed strains of Mycobacterium avium (author's transl)] Eckert H, et al. **Z Erkr Atmungsorgane** 1979 Jun;153(3):392–5 (Eng. Abstr.) **(Ger)**
[Cross sensitization by pollen of Compositae (Asteraceae)—studies using the prick test, RAST and RAST-inhibition tests] Rakoski J, et al. **Z Hautkr** 1980 Jun 1;55(11):741–7 **(Ger)**
[Skin reactions to isolated bacterial cell wall components, bacterial peptidoglycan in particular] von Mayenburg J, et al. **Z Hautkr** 1980 Jun 1;55(11):710–33 (Eng. Abstr.) **(Ger)**
[Studies into specificity for dye test (DT), complement fixation (CF), and intradermal test (ST) in diagnosis of toxoplasmosis (author's transl)] Miller EC. **Zentralbl Gynaekol** 1980;102(5):283–94 (Eng. Abstr.) **(Ger)**
[Behaviour of cellular immunity, detectable by means of intradermal test, following Toxoplasma gondii infection (author's transl)] Miller EC. **Zentralbl Gynaekol** 1980; 102(5):295–7 (Eng. Abstr.) **(Ger)**
[Practical significance of allergologic clinical diagnoses. RIST, PRIST, RAST, histamine liberation] Bartmann K, et al. **ZFA (Stuttgart)** 1980 Apr 10;56(10):701–10 **(Ger)**
[Correlations between the bronchial provocation test (BPT), radioimmunological determination of serum specific IgE (RAST) and cutaneous tests in atopic allergic asthma] Bottino GB, et al. **Arch E Maragliano Patol Clin** 1978; 34(1):27–31 **(Ita)**
[Evaluation in vivo, with delayed hypersensitivity skin tests, of cell mediated immunity in patients with severe obesity] Adami GF, et al. **Minerva Med** 1980 Jun 23;71(25):1769–72 (Eng. Abstr.) **(Ita)**
[Relationships between clinico-therapeutic parameters and immunological status in patients with lung cancer] Roviaro GC, et al. **Minerva Med** 1980 Jun 23;71(25):1757–67 (Eng. Abstr.) **(Ita)**
[The pathophysiological studies on the anaphylactoid skin reaction after intradermal administration of secretin for peptic ulcer patients (author's transl)] Watanabe Y, et al. **Nippon Shokakibyo Gakkai Zasshi** 1981 Jan;78(1):1–8 (Eng. Abstr.) **(Jpn)**
[Assessment of cellular immunity in normal subjects over 60 years of age] Carvalho Filho ET, et al. **Rev Hosp Clin Fac Med Sao Paulo** 1980 Aug;35(4):171–3 (Eng. Abstr.) **(Por)**

[Intracutaneous allergic test in the diagnosis of atypical and mild forms of the Far Eastern Scarletinoid-fever] Dzadzieva MF, et al. **Sov Med** 1980;(7):38-41 (Eng. Abstr.) **(Rus)**

[Use of allergological methods in nonspecific lung diseases] Putintsev VI. **Vrach Delo** 1981 May;(5):17-8 (Eng. Abstr.) **(Rus)**

[Immunological monitoring in patients with malignant melanoma (author's transl)] Uhrik J, et al. **Cesk Dermatol** 1980;55(6):361-67 (Eng. Abstr.) **(Slo)**

['Dust antigen variants'--clinical sensitivity and cutaneous reactions] Rodríguez Jiménez R, et al. **Alergia** 1981 Jan; 28(1):5-12 **(Spa)**

[Variations in reactions in prick tests with different histamine concentrations] af Klercker T, et al. **Lakartidningen** 1980 Oct 22;77(43):3889-90 (Eng. Abstr.) **(Swe)**

[Skin tests with Yersinia pseudotuberculosis antigen in Turkey (author's transl)] Ozsan K, et al. **Mikrobiyol Bul** 1979 Jul;13(3):275-82 (Eng. Abstr.) **(Tur)**

[The effects of cockroach antigen in allergic patients (author's transl)] Yakar A, et al. **Mikrobiyol Bul** 1979 Jul; 13(3):297-304 (Eng. Abstr.) **(Tur)**

ADVERSE EFFECTS

Immunologic mechanisms in multiple sclerosis. Exacerbation by type A hepatitis and skin test antigens. Owen RL, et al. **JAMA** 1980 Nov 21;244(20):2307-9

INSTRUMENTATION

Prick testing for allergens standardized by using a precision needle. Brown HM, et al. **Clin Allergy** 1981 Jan;11(1):95-8

Misleading patch test results with aluminum Finn chambers and mercury salts. Kalveram KJ, et al. **Contact Dermatitis** 1980 Dec;6(7):507-8

[Multipuncture: a simple test for cell immunity at the patient's bedside. Determination of a reference population (author's transl)] Lesourd B, et al. **Nouv Presse Med** 1980 Nov 29; 9(45):3435-6, 3441-2 (Eng. Abstr.) **(Fre)**

METHODS

A method of measuring skin lesions [letter] Tüzün Y, et al. **Arch Dermatol** 1981 Apr;117(4):192

The Duhring chamber assay for corticosteroid atrophy. Frosch PJ, et al. **Br J Dermatol** 1981 Jan;104(1):57-65

The chamber vasoconstrictor assay. I. Comparison with occluded and unoccluded tests using four corticosteroids. Somerma S. **Clin Exp Dermatol** 1980 Jun;5(2):191-6

Guinea pig maximization test, open epicutaneous test and chamber test in induction of delayed contact hypersensitivity. Kero M, et al. **Contact Dermatitis** 1980 Aug;6(5):341-4

Patch testing with mixes. Note on mercaptobenzothiazole mix. Mitchell JC. **Contact Dermatitis** 1981 Mar;7(2):98-104

Comparison testing of soap irritancy using aluminum chamber and standard patch methods. Shellow WV, et al. **Contact Dermatitis** 1981 Mar;7(2):77-9

Cutaneous reactions to petrolatum. Fisher AA. **Cutis** 1981 Jul;28(1):23-4, 31, 57 passim

T lymphocyte assessment in vivo. Heim LR. **Cutis** 1981 Apr; 27(4):352-4

Coccidioidin skin hypersensitivity in a section of North Indian population. Kumar B, et al. **Indian J Chest Dis Allied Sci** 1980 Oct-Dec;22(4):236-8

In vivo evaluation of transcutaneous CO2 partial pressure monitoring. Beran AV, et al. **J Appl Physiol** 1981 Jun; 50(6):1220-3

Variation in potency of extracts used for allergy skin tests. Hillas JL, et al. **NZ Med J** 1981 Jul 8;93(687):2-4

The optimization test in the guinea pig in relation to other predictive sensitization methods. Maurer T, et al. **Toxicology** 1980;15(3):163-71

[Iontophoretic skin tests in atopic asthma at rest and after maximum work (author's transl)] Stejskal P, et al. **Cesk Dermatol** 1981 Apr;56(2):69-77 (Eng. Abstr.) **(Cze)**

[Delayed hypersensitivity immune reactions in a surgical milieu. Choice of a method: multipuncture or intradermal reaction? (letter)] Champault G, et al. **Nouv Presse Med** 1981 Mar 14;70(12):988 **(Fre)**

[Methodical problems in detecting new allergens in ;animal experiments (author's transl)] Ziegler V, et al. **Derm Beruf Umwelt** 1980;28(5):152-7 (Eng. Abstr.) **(Ger)**

[Cutaneous or intracutaneous tests for diagnosis of inhalation allergies? A comparative study of pollen-free and pollen-containing allergen extracts in cutaneous and intracutaneous testing. II. Study of pollen-containing allergen extracts] Becker S, et al. **Med Welt** 1980 Jun 6; 31(23):868-73 **(Ger)**

[Assessment of the surgical risk by skin tests of cell-mediated reactivity and other methods] Mingolla F, et al. **Chir Ital** 1980 Oct;32(5):1033-45 (Eng. Abstr.) **(Ita)**

[Hapten material for use in patch tests (author's transl)] Fabbri P, et al. **Med Lav** 1980 Jan-Feb;71(1):17-20 (Eng. Abstr.) **(Ita)**

[Patch tests: interpretation of results (author's transl)] Sertoli A, et al. **Med Lav** 1980 Jan-Feb;71(1):26-30 (Eng. Abstr.) **(Ita)**

[Patch tests; methodological problems (author's transl)] Spallanzani P, et al. **Med Lav** 1980 Jan-Feb;71(1):21-5 (Eng. Abstr.) **(Ita)**

[Evaluation of the effectiveness of the skin prick test in the diagnosis of bronchial asthma] Hanasz-Jarzyńska T, et al. **Pol Tyg Lek** 1980 Nov 17;35(46):1777-9 (Eng. Abstr.) **(Pol)**

[Accuracy of patch tests with potassium dichromate] Rudzki E, et al. **Przegl Dermatol** 1980 Sep-Oct;67(5):569-72 (Eng. Abstr.) **(Pol)**

STANDARDS

[Age dependence of phytohemagglutinin skin test (PHA-test)] Görnitz B, et al. **Paediatr Grenzgeb** 1980; 19(5):333-8 (Eng. Abstr.) **(Ger)**

VETERINARY

Bovine paratuberculosis I. A herd study using complement fixation and intradermal tests. de Lisle GW, et al. **Can J Comp Med** 1980 Apr;44(2):177-82

[Allergic skin reaction in infectious rhinotracheitis and infectious pustular vulvovaginitis in cattle] Arsov R, et al. **Vet Med Nauki** 1980;17(8):25-30 (Eng. Abstr.) **(Bul)**

SKIN ULCER

CHEMICALLY INDUCED

Mitomycin C extravasation exacerbated by sunlight [letter] Fuller B, et al. **Ann Intern Med** 1981 Apr;94(4 pt 1):542

The limited role of corticosteroids in ameliorating experimental doxorubicin skin toxicity in the mouse. Dorr RT, et al. **Cancer Chemother Pharmacol** 1980 Nov; 5(1):17-20

Mitomycin C-induced skin ulceration remote from infusion site [letter] Johnston-Early A, et al. **Cancer Treat Rep** 1981 May-Jun;65(5-6):529

Extravasation of chemotherapeutic agents. Blair WF, et al. **Clin Orthop** 1980 Sep;(151):228-30

Caustic ulcers from lime dust. Farkas J. **Contact Dermatitis** 1981 Jan;7(1):59

Venous extravasation of doxorubicin HCl with secondary skin ulceration. Barden GA. **South Med J** 1980 Nov; 73(11):1543-4

[Ano-cutaneous gangrenous ergotism] Wienert V, et al. **Hautarzt** 1980 Dec;31(12):668-70 (Eng. Abstr.) **(Ger)**

[Prophylaxis and therapy of cytostatic-induced skin necrosis] Köstering H, et al. **Onkologie** 1980 Dec;3(6):317-20 (Eng. Abstr.) **(Ger)**

COMPLICATIONS

Arthritis associated with leucocytoclastic angiitis. Lister PD, et al. **Ann Rheum Dis** 1980 Oct;39(5):526-7

Sarcoidosis presenting as cutaneous ulceration, subcutaneous nodules and chronic arthritis. Boyd RE, et al. **J Rheumatol** 1981 Mar-Apr;8(2):311-6

[Lepromatous leprosy with extensive ulcerations and cachexia. The Lucio phenomenon? Lazarine leprosy?] Strobel M, et al. **Acta Leprol (Geneve)** 1979 Sep-Dec; (76-77):331-3 **(Fre)**

[Pyoderma gangraenosum and cardio-vasculopathies, particularly Takayasu arteritis. Review of the Japanese literature (author's transl)] Hidano A, et al. **Ann Dermatol Venereol** 1981;108(1):13-21 (30 ref.) (Eng. Abstr.) **(Fre)**

[Pyoderma gangrenosum and Vaquez' disease (letter)] Taillandier J, et al. **Nouv Presse Med** 1981 Feb 7;10(5):339 **(Fre)**

[Exudative pericarditis ina patient with ulcerative autonomic pyoderma] Gordon IB, et al. **Klin Med (Mosk)** 1981 Jan; 59(1):95-6 **(Rus)**

DIAGNOSIS

[Diagnosis and therapy of dermatitis ulcerosa (author's transl)] Sönnichsen N, et al. **Dermatol Monatsschr** 1980 Oct; 166(10):667-73 (Eng. Abstr.) **(Ger)**

[Localized poikiloderma vascularis atrophicans as an early manifestation of Hodgkin's disease of the nodular-sclerosing type] Bardach H, et al. **Hautarzt** 1981 Mar;32(3):126-9 (Eng. Abstr.) **(Ger)**

[Bubonic diseases] Haas N, et al. **Z Hautkr** 1980 Nov 1; 55(21):1436-42 **(Ger)**

DRUG THERAPY

A new concept in the management of Marjolin's ulcers. Ryan RF, et al. **Ann Surg** 1981 May;193(5):598-605

Idiopathic pyoderma gangrenosum and impaired lymphocyte function: failure of azathioprine and corticosteroid therapy. Breathnach SM, et al. **Br J Dermatol** 1981 May; 104(5):567-73

Pyoderma gangrenosum: successful treatment with minocycline. Davies MG, et al. **Clin Exp Dermatol** 1981 Mar;6(2):219-23

Clofazimine treatment of pyoderma gangrenosum [letter] Kark EC, et al. **J Am Acad Dermatol** 1981 Sep;5(3):346-8

Pyoderma gangrenosum treated with clofazimine. Report of three cases. Kark EC, et al. **J Am Acad Dermatol** 1981 Feb;4(2):152-9

Radiological abnormalities of the ileum associated with the use of clofazimine (Lamprene; B663) in the treatment of skin ulceration due to Mycobacterium ulcerans. de Bergeyck E, et al. **Lepr Rev** 1980 Sep;51(3):221-8

The treatment of indolent ulcers with ten per cent aqueous mercurochrome. Abramson DJ. **Milit Med** 1981 May; 146(5):311-3

[Action of N-acetyl-hydroxyproline in the treatment of cutaneous ulcerative lesions] Famulari C, et al. **Ann Ital Chir** 1979;51(5):527-36 **(Ita)**

[Use of chorionic gonadotropin in the treatment of phlebopathic dermatoses] Mian EU, et al. **Minerva Med** 1981 Feb 18;72(4-5):193-203 **(Ita)**

ETIOLOGY

Mixed connective tissue disease: a follow-up study of 12 patients with special reference to cold sensitivity and skin manifestations. Johansson EA, et al. **Acta Derm Venereol (Stockh)** 1981;61(3):225-31

Erosive myiasis. Guillozet N. **Arch Dermatol** 1981 Jan; 117(1):59-60

Trauma and the pyoderma gangrenosum of inflammatory bowel disease. Finkel SI, et al. **Gut** 1981 May;22(5):410-2

Cutaneous vasculitis complicating coeliac disease. Meyers S, et al. **Gut** 1981 Jan;22(1):61-4

Mycobacterium ulcerans. Infection of two patients in Liberia. Ziefer A, et al. **Int J Dermatol** 1981 Jun;20(5):362-7

An unusual and fatal case of disseminated cutaneous herpes simplex. Infection in a patient with cutaneous T cell lymphoma (mycosis fungoides). Goldgeier MH, et al. **J Am Acad Dermatol** 1981 Feb;4(2):176-80

Tumor conference 33. Persistent postsurgical cutaneous ulcers. Bart RS, et al. **J Dermatol Surg Oncol** 1981 Jan; 7(1):18-9

[Mycobacterium ulcerans skin ulcers (or Buruli ulcers) (author's transl)] Perraudin ML, et al. **Ann Pediatr (Paris)** 1980 Dec;27(10):687-92 (Eng. Abstr.) **(Fre)**

[Digital ulcerations during a carpal tunnel syndrome with Raynaud's syndrome (letter)] Trèves R, et al. **Rev Rhum Mal Osteoartic** 1980 Oct;47(10):578-9 **(Fre)**

[Neurotrophic plantar ulcers in myelodysplasia] Diem E, et al. **Hautarzt** 1981 Jun;32(6):292-5 (Eng. Abstr.) **(Ger)**

[Neurotrophic ulcers following surgery of the trigeminal nerve I/II] von Drigalski J, et al. **Hautarzt** 1981 Jul; 32(7):376-8 (Eng. Abstr.) **(Ger)**

[Characteristics of the 'tache noire' of boutonneuse fever] Scaffidi L, et al. **Minerva Med** 1981 Sep 1;72(31):2079-84 (Eng. Abstr.) **(Ita)**

MICROBIOLOGY

Sporotrichosis of the extremities. Bogedain W, et al. **J Med Assoc Ga** 1981 Jun;70(6):442-4

PATHOLOGY

Histological studies of the elimination of Leishmania enriettii from skin lesions in the guinea-pig. Monroy A, et al. **Br J Exp Pathol** 1980 Dec;61(6):601-10

[Erosive ulcerative form of lichen ruber planus] Grebeniuk VN, et al. **Vestn Dermatol Venerol** 1980 Aug;(8):57-60 (Eng. Abstr.) **(Rus)**

PHYSIOPATHOLOGY

Pressure (trophic) ulceration. Jones KG. **J Arkansas Med Soc** 1981 May;77(12):519-20

[Reduction of the arterial flow in ulcerative mutilating acropathy] Alcocer Andalón A, et al. **Angiologia** 1980 Sep-Oct;32(5):205-11 **(Spa)**

RADIOGRAPHY

Arteriographic pattern of plantar ulcers in lepromatous leprosy--study of 20 cases. Debi BP, et al. **Lepr India** 1980 Jul;52(3):429-32

SURGERY

Transfer of free skin grafts with a preserved subcutaneous vascular network. Tsukada S. **Ann Plast Surg** 1980 Jun; 4(6):500-6

A new technique for treating the exposed cardiac pacemaker wires in the supraclavicular region. Golan J, et al. **Plast Reconstr Surg** 1981 Jan;67(1):74-6

[Surgical treatment of postburn cicatrices and cicatricial-trophic ulcers with malignant degeneration] Pakhomov SP, et al. **Khirurgiia (Mosk)** 1981 Apr;(4):79-82 (Eng. Abstr.) **(Rus)**

THERAPY

Infrared therapy for skin ulcers. Hyland DB, et al. **Am J Nurs** 1980 Oct;80(10):1800-1

Perfusion cast dressing: a conservative means for treating cutaneous ulcerations. Grady J, et al. **J Am Podiatry Assoc** 1981 Sep;71(9):509-11

Restoration of sensation to the sole of the foot by nerve transfer. A case report. Gordon L, et al. **J Bone Joint Surg [Am]** 1981 Jun;63A(5):828-30

An effective method of treating long-enduring wounds and ulcers by topical applications of solutions of nutrients. Silvetti AN. **J Dermatol Surg Oncol** 1981 Jun;7(6):501-8

Zinc iontophoresis to treat ischemic skin ulcers. Cornwall MW. **Phys Ther** 1981 Mar;61(3):359-60

[Evolution of experimental ulcers under treatment with electro-acupuncture] Ranuzzi De Bianchi V, et al. **Minerva Med** 1980 Dec 22;71(51):3719-22 **(Ita)**

VETERINARY

Foot pad swelling and ulceration in cats: a report of five cases. Gruffydd-Jones TJ, et al. **J Small Anim Pract** 1980 Jul;21(7):381–9

Skin ulceration associated with herpesvirus infection in cats. Flecknell PA, et al. **Vet Rec** 1979 Apr 7;104(14):313–5

Treatment of parasitic cutaneous ulcers with trichlorphon. Schillhorn van Veen TW, et al. **Vet Rec** 1981 Jan 24; 108(4):77

SKIN WINDOW TECHNIC

Skin window cellularity and macrophage changes in Hodgkin's and non-Hodgkin's lymphomas. Sokol RJ, et al. **Acta Haematol (Basel)** 1980;64(4):209–15

Leucocyte mobilization to skin lesions. Wandall JH. **Acta Pathol Microbiol Scand [C]** 1980 Oct;88C(5):255–61

The skin window test in rhinoscleroma. Toppozada HH, et al. **Am J Otolaryngol** 1981 Feb;2(1):30–5

Examination of skin window preparations by transmission electron microscopy. Sokol RJ, et al. **J Clin Pathol** 1980 Jul;33(7):697–8

[IgE type allergic reaction studied by the Rebuck skin window technic] Nevihosténvi G, et al. **Orv Hetil** 1980 Aug 3;121(31):1891–4 **(Hun)**

[Use of the 'skin window' method for characterizing the aseptic inflammatory reaction in children] Kapel'ko MA, et al. **Pediatriia** 1980;(9):26–30 **(Rus)**

SKINFOLD THICKNESS

Nutrition in childhood and its relationships to early somatic growth, body fat, blood pressure, and physical fitness. Boulton J. **Acta Paediatr Scand [Suppl]** 1981;284:1–85

Changes in skinfold thickness with increasing age. Hall DA, et al. **Age Ageing** 1981 Feb;10(1):19–23

Differential fatness gain of low income boys and girls. Garn SM, et al. **Am J Clin Nutr** 1981 Aug;34(8):1465–8

Height, weight and skinfold thickness of Michigan adults. Moffatt RJ, et al. **Am J Public Health** 1980 Dec; 70(12):1290–2

Height, weight, and triceps skinfold thickness of Michigan children, 1978. Sady SP, et al. **Am J Public Health** 1981 Aug;71(8):855–8

Two-second standardization of the Harpenden Caliper. Krämer HJ, et al. **Eur J Applied Physiol** 1981;46(1):103–4

Anthropometric measurements of 3–, 4–, 5–, and 6-year-old girls and boys. Morris AM, et al. **Growth** 1980 Sep; 44(3):253–67

Skinfolds and body density and their relation to body fatness: a review. Lohman TG. **Hum Biol** 1981 May;53(2):181–225

Longitudinal changes in body build and skinfolds in a group of old men over a 16 year period. Pařízková J, et al. **Hum Biol** 1980 Dec;52(4):803–9

The effect of training on some morphological parameters of top-ranking Indian basketball players. Muthiah CM, et al. **J Sports Med Phys Fitness** 1980 Dec;20(4):405–12

Ultrasound for measurement of subcutaneous fat [letter] Balta PJ, et al. **Lancet** 1981 Feb 28;1(8218):504–5

Body fat from skinfold thicknesses and weight-height indices: a comparison. Satwanti, et al. **Z Morphol Anthropol** 1980; 71(1):93–100

[Skinfold thickness and depot fat in 9 to 15-year-old Czech and Slovak children] Hajniš K, et al. **Cas Lek Cesk** 1980 Nov 14;119(46):1252–7 (Eng. Abstr.) **(Cze)**

[Triceps and subscapular skinfold thickness. A random sample, Geneva 1972] Kaufmann H, et al. **Helv Paediatr Acta** 1981;36(2):123–34 (Eng. Abstr.) **(Fre)**

[The diagnostic value of measurement of Achilles tendon thickness by skin fold caliper for discrimination of familial hypercholesterolemia and non-familial hypercholesterolemia (author's transl)] Ueda K, et al. **Nippon Ronen Igakkai Zasshi** 1980 Nov;17(6):618–23 (Eng. Abstr.) **(Jpn)**

[Comparison of the methods of body weight determination for estimation of the incidence of obesity among the population] Wojtyniak B, et al. **Pol Arch Med Wewn** 1980 May;63(5):457–64 (Eng. Abstr.) **(Pol)**

[Changes in skinfold thickness in the course of normal pregnancy and their relation to fetal weight] Bershtein LM, et al. **Akush Ginekol (Mosk)** 1980 Aug;(8):44–6 (Eng. Abstr.) **(Rus)**

[Validity of skinfold thickness as an estimation of fatty mass, with reference to the equations of Durnin and Womersley (author's transl)] Apud E, et al. **Rev Med Chil** 1980 Sep; 108(9):807–13 (Eng. Abstr.) **(Spa)**

SKULL

see related
INTRACRANIAL PRESSURE
TREPHINING

Osteomyelitis of the skull following scalp reduction and hair plug transplantation. Jones JW, et al. **Ann Plast Surg** 1980 Dec;5(6):480–2

Hydrocephalus–dementia–complex in Paget's disease. Hens L, et al. **Clin Neurol Neurosurg** 1979;81(4):255–63

Retroauricular cephalhematoma as a sign of posterior fossa subdural hematoma: diagnosis in the newborn by tomography. Young RS, et al. **Clin Pediatr (Phila)** 1980 Sep;19(9):631–2

Thermal response model of a simulated cranial structure exposed to radiofrequency radiation. Burr JG, et al. **IEEE Trans Biomed Eng** 1980 Aug;27(8):452–60

Computed tomography in the diagnosis of eosinophilic granuloma. Mitnick JS, et al. **J Comput Assist Tomogr** 1980 Dec;4(6):791–3

Posterior fossa hemorrhages in the newborn. Scotti G, et al. **J Comput Assist Tomogr** 1981 Feb;5(1):68–72

Cephalhematomas due to Suspected ascorbic acid deficiency in young squirrel monkeys (Saimiri sciureus). Kessler MJ. **J Med Primatol** 1980;9(5):314–8

Intradiploic cerebrospinal fluid fistula. Report of two cases. D'Almeida AC, et al. **J Neurosurg** 1981 Jan;54(1):84–8

Late postoperative tension pneumatocele. Case report. Vaquero J, et al. **J Neurosurg** 1981 Jul;55(1):145–6

Eosiophilic granuloma in the head and neck. Bass RM. **J Otolaryngol** 1980 Jun;9(3):250–5

Plagiocephaly and torticollis: etiology, natural history, and helmet treatment. Clarren SK. **J Pediatr** 1981 Jan; 98(1):92–5

Micro-necrotic foci in regression of a murine calvarium transplantable tumor. 2. Enzymatic modification of the transformed calvarium cell immunological characteristics. Hakim AA. **Neoplasma** 1980;27(4):449–58

Micro-necrotic foci in regression of a murine calvarium transplantable tumor. 3. Histological characteristics of the micro-necrotic foci. Hakim AA, et al. **Neoplasma** 1980; 27(4):459–71

Micro-necrotic foci in regression of a murine calvarium transplantable tumor. 1. Cultivation and growth parameter of spontaneously transformed calvarium cell line. Hakim AA. **Neoplasma** 1980;27(4):437–47

Case report 153. Mycetoma due to Streptomyces somaliensis ('Madura skull'). Renton P, et al. **Skeletal Radiol** 1981; 6(3):225–7

[Fibrous dysplasia in the ORL region] Tománek Z. **Cesk Otolaryngol** 1980 Oct;29(5):311–3 (Eng. Abstr.) **(Cze)**

[Transfontanellar section in echoencephalography (author's transl)] Couture A, et al. **Ann Radiol (Paris)** 1980 Dec; 23(8):649–54 (Eng. Abstr.) **(Fre)**

[Epidermoid and dermoid cranioencephalic cysts] Hillion C, et al. **Rev Med Suisse Romande** 1980 Apr;100(4):329–36 **(Fre)**

[Hemicranial fibrous dysplasia and well differentiated osteosarcoma (author's transl)] Bricout H, et al. **Rev Otoneuroophtalmol** 1980 Jul–Sep;52(4):331–41 (Eng. Abstr.) **(Fre)**

[Ultrasonographic screening of the cranium in risk newborn (author's transl)] Bliesener JA. **Roentgenblaetter** 1980 Dec; 33(12):626–31 **(Ger)**

[Identification by superimposition of the skull on face photography using television: experimental application of a new method] Colonna M, et al. **Boll Soc Ital Biol Sper** 1980 Nov 30;56(22):2271–7 (Eng. Abstr.) **(Ita)**

[Neuroblastoma with opso-cerebello-myoclonic syndrome and malformation of the posterior fossa] Castel V, et al. **An Esp Pediatr** 1980 Nov;13(11):1047–50 **(Spa)**

ABNORMALITIES

Trigonocephaly: some clinical and surgical features. Scarfó GB, et al. **Acta Neurol Belg** 1980 May–Jun;80(3):137–43

CNS dysplasia in dysencephalia splanchnocystica (Gruber's syndrome). A case report. Hori A, et al. **Acta Neuropathol (Berl)** 1980;51(2):93–7

Congenital deformities of skull caused by fetal limbs. Theander G, et al. **Acta Radiol [Diagn] (Stockh)** 1980; 21(2):309–13

'Breech head' with brow presentation. Wassman ER Jr, et al. **Am J Dis Child** 1980 Oct;134(10):994

Ocular alignment after craniofacial reconstruction. Diamond GR, et al. **Am J Ophthalmol** 1980 Aug;90(2):248–50

Fryns syndrome without deletion 16q. Coté GB, et al. **Ann Genet (Paris)** 1980;23(3):171–2

Categorization of craniofacial deformities based on our experience with surgical manipulation. Habal MB, et al. **Ann Plast Surg** 1981 Jan;6(1):6–10

Major osteotomies of the cranium, facial bones, and mandible. Ohmori K. **Ann Plast Surg** 1980 Jun;4(6):481–94

Craniofacial Anomalies Program of the National Institute of Dental Research. Christiansen RL. **Birth Defects** 1980; 16(5):181–5

Diagnosis of craniofacial anomalies: subjective evaluation--Gestalt. Gorlin RJ. **Birth Defects** 1980; 16(5):35–46

The dentist on a craniofacial team. Pruzansky S. **Birth Defects** 1980;16(5):115–24

An approach to an objective evaluation of the craniofacies. Salinas CF. **Birth Defects** 1980;16(5):47–74

The value of establishing the genetic component in etiology of craniofacial anomalies. Stewart RE. **Birth Defects** 1980; 16(5):27–33

Fetal position and skull shape. Sunderland R. **Br J Obstet Gynaecol** 1981 Mar;88(3):246–9

The cloverleaf skull. Banna M, et al. **Br J Radiol** 1980 Jul; 53(631):730–2

Abnormalities of the cranio-vertebral junction with cervico-medullary compression. A rational approach to surgical treatment in children. Menezes AH, et al. **Childs Brain** 1980;7(1):15–30

A proposed new classification of craniofacial anomalies. Whitaker LA, et al. **Cleft Palate J** 1981 Jul;18(3):161–76

Sotos syndrome in two brothers. Boman H, et al. **Clin Genet** 1980 Dec;18(6):421–7

Sotos syndrome with intestinal polyposis and pigmentary changes of the genitalia. Ruvalcaba RH, et al. **Clin Genet** 1980 Dec;18(6):413–6

Osteopathia striata with cranial sclerosis: Highly variable expression within a family including cleft palate in two neonatal cases. Winter RM, et al. **Clin Genet** 1980 Dec; 18(6):462–74

Comprehensive care for craniofacial anomalies. Marsh JL. **Curr Probl Pediatr** 1980 Jul;10(9):1–43 (87 ref.)

Arsenic-induced axial skeletal (dysraphic) disorders. Willhite CC. **Exp Mol Pathol** 1981 Apr;34(2):145–58

Kleebiattschadel syndrome with thanatophoric dwarfism. Puri V, et al. **Indian Pediatr** 1980 Mar;17(3):299–301

Early treatment of cranio-facial deformities. Tressera L, et al. **J Maxillofac Surg** 1981 Feb;9(1):1–6

Familial dentinogenesis imperfecta, blue sclerae, and wormian bones without fractures: another type of osteogenesis imperfecta? Beighton P. **J Med Genet** 1981 Apr;18(2):124–8

CSF rhinorrhea from a transclival meningocele demonstrated with metrizamide CT cisternography. Case report. Lockwood AH, et al. **J Neurosurg** 1980 Oct;53(4):553–5

Craniocervical abnormalities. A comprehensive surgical approach. Menezes AH, et al. **J Neurosurg** 1980 Oct; 53(4):444–55

Sodium loss from de-epithelialized surfaces [letter] Woolley J. **Med J Aust** 1980 Dec 13;2(12):684–5

Hadju-Chency syndrome. Report of a non-familial case. Kawamura J, et al. **Neuroradiology** 1981;21(5):295–301

Laterally situated sinus pericranii. Report of two cases with marked diploic veins. Koshu K, et al. **Neuroradiology** 1981; 21(4):219–21

Conservative management of aplasia cutis congenita: case report. Six EG, et al. **Neurosurgery** 1981 Feb;8(2):233–5

Generous craniectomy for Kleeblattschädel anomaly. Turner PT, et al. **Neurosurgery** 1980 May;6(5):555–8

Gene–teratogen interaction in insulin–induced mouse exencephaly. Cole WA, et al. **Teratology** 1980 Aug; 22(1):125–39

Teratological and radiocephalometric analysis of craniofacial malformations induced with retinoic acid in rhesus monkeys (Macaca mulatta). Hendrickx AG, et al. **Teratology** 1980 Aug;22(1):13–22

The facial features of holoprosencephaly in anencephalic human specimens. II. Craniofacial anatomy. Siebert JR, et al. **Teratology** 1981 Jun;23(3):305–15

[Clinical analysis of 150 cases of basilar invagination (author's transl)] Bao XF. **Chung Hua Shen Ching Ching Shen Ko Tsa Chih** 1979; 12(4):231–4 **(Chi)**

[Craniometaphyseal dysplasia] Spitzer W, et al. **Dtsch Zahnaerztl Z** 1981;36(1):96–100 (Eng. Abstr.) **(Ger)**

[A syndrome of osteogenesis imperfecta, macrocephaly, wormian bones, frontal bossing, brachytelephalangy, hyperextensible joints, congenital blindness and oligophrenia in 3 sibs (author's transl)] Heide T. **Klin Padiatr** 1981 Jul;193(4):334–40 (Eng. Abstr.) **(Ger)**

[Cloverleaf syndrome. Report of a single case (author's transl)] Goachet FM, et al. **Nervenarzt** 1980 Feb; 51(2):119–22 **(Ger)**

[Surgery in craniofacial syndromes (author's transl)] Anderl H, et al. **Paediatr Padol** 1981;16(2):151–62 (Eng. Abstr.) **(Ger)**

[Craniolacunia ('Lückenschädel') as an isolated finding (author's transl)] Burkhardt C, et al. **Radiologe** 1981 Apr; 21(4):183–5 (Eng. Abstr.) **(Ger)**

[Anesthesiological problems in the correction of craniofacial malformations] Rizzi R. **Minerva Anestesiol** 1980 Apr; 46(4):467–72 (Eng. Abstr.) **(Ita)**

[The 'Charlie M.' syndrome: a new clinical entity? Description of a case] Bonioli E, et al. **Minerva Pediatr** 1980 May 31;32(10):699–702 **(Ita)**

[Thanatophoric dwarfism. Report of 2 cases and review of literature] Fabris C, et al. **Minerva Pediatr** 1981 Mar 31; 33(6):267–76 (32 ref.) (Eng. Abstr.) **(Ita)**

[Congenital craniovertebral anomalies with onset of symptoms after the age of 50 (author's transl)] Morimatsu M, et al. **Nippon Ronen Igakkai Zasshi** 1980 Sep; 17(5):519–26 (Eng. Abstr.) **(Jpn)**

[Giant neurofibroma of the occipital scalp associated with lambda defect-case report (author's transl)] Nakasu S, et al. **No To Shinkei** 1981 Feb;33(2):181–5 (Eng. Abstr.) **(Jpn)**

[Gregg's syndrome in an 11-month-old infant] Marczyńska-Robowska M, et al. **Pediatr Pol** 1980; 55(11):1237–41 **(Pol)**

[Sotos' syndrome] Krauze M, et al. **Wiad Lek** 1980 Dec 1; 33(23):1927–30 **(Pol)**

[Case of Holtermüller-Wiedemann syndrome] Mazurek A, et al. **Wiad Lek** 1980 Sep 15;33(18):1471–5 (Eng. Abstr.) **(Pol)**

[Spontaneous extracranial pneumatocele. Report of a case] Oliveira HA, et al. **Arq Neuropsiquiatr** 1980 Jun;38(2):200–2 (Eng. Abstr.) **(Por)**

[The Silver-Russell syndrome] Bene M, et al. **Rev Pediatr Obstet Ginecol [Pediatr]** 1980 Jul–Sep; 29(3):255–63 (Eng. Abstr.) **(Rum)**

[Bowen-Conrad syndrome] Laziuk GI, et al. **Arkh Patol**

1980;42(10):60–4 (Eng. Abstr.) **(Rus)**

[Surgical treatment of certain forms of developmental defects of the skull and brain in children] Mareeva TG, et al. **Zh Vopr Neirokhir** 1980 Jul–Aug;(4):38–42 (Eng. Abstr.) **(Rus)**

[Phenylketonuria associated with craniostenosis and cleft palate] Noziglia C, et al. **Rev Chil Pediatr** 1981 Jan–Feb; 52(1):69–71 (Eng. Abstr.) **(Spa)**

ANALYSIS

A cephalostat for small animals. Mostafa YA, et al. **Angle Orthod** 1981 Jul;51(3):241–5

ANATOMY & HISTOLOGY

Eight methods of analysing a cephalogram to establish anteroposterior skeletal discrepancy. Brown M. **Br J Orthod** 1981 Jul;8(3):139–46 (18 ref.)

Functional determinants of craniofacial size and shape. McNamara JA Jr. **Eur J Orthod** 1980;2(3):131–59

Experimental cavitation studies in a model head–neck system. Lubock P, et al. **J Biomech** 1980;13(12):1041–52

The allometric center. The biological basis of an analytical model of craniofacial growth. Moss ML, et al. **Proc Finn Dent Soc** 1981;77(1–3):119–28

Cranio–caudal rib cage distortion with increasing inspiratory airflow in man. D'Angelo E. **Respir Physiol** 1981 May; 44(2):215–37

Dental and cranial adaptations in Eocene Adapidae. Gingerich PD. **Z Morphol Anthropol** 1980;71(2):135–42

[Attempted integration of cervico–cranial posture in craniofacial architectonics] Bertrand A. **Orthod Fr** 1979; 50:725–42 (Eng. Abstr.) **(Fre)**

[Thick and thin zones of the neurocranium, impressiones gyrorum and foramina parietalia in children and adults (author's transl)] Lang J, et al. **Anat Anz** 1981;149(1):11–50 (Eng. Abstr.) **(Ger)**

[Structure of the skull in early man as an expression of his life in the forest and his subsequent development] Riehm K. **Gegenbaurs Morphol Jahrb** 1980;126(6):884–99 (Eng. Abstr.) **(Ger)**

[The calvarium of Binshof (Speyer) compared with other Neo–Paleolithic fossils] Henke W. **Z Morphol Anthropol** 1980;70(3):275–94 (Eng. Abstr.) **(Ger)**

[Osteological studies of cranial bones of the Mongolian gerbil, Meriones unguiculatus (Milne–Edwards, 1867), in comparison with cranial bones of the Syrian hamster, Mesocricetus auratus (Waterhouse, 1840), and those of the laboratory mouse, Mus musculus (Linné, 1758)] Irmer S, et al. **Z Versuchstierkd** 1980;22(3):179–91 (Eng. Abstr.) **(Ger)**

[Quantitative analysis of the asymmetry of the head. I. Cranial bones, intracranial cavity and brain] Iványkievicz D, et al. **Morphol Igazsagugyi Orv Sz** 1981 Apr;21(2):120–3 (Eng. Abstr.) **(Hun)**

[Linear measurements of the bones of Lepus brachyurus brachyurus Temminck, Pentalagus furnessi Stone and oryctolagus cuniculus Linnaeus (JW–NIBS). I. On the cranium and ossa trunci (author's transl)] Otsuka J, et al. **Jikken Dobutsu** 1980 Oct;29(4):441–55 (Eng. Abstr.) **(Jpn)**

BLOOD SUPPLY

Age related changes in cardiac output, cephalic and cerebral blood flow in the rat. Moustafa HF, et al. **Int J Appl Radiat Isot** 1981 May;32(5):309–12

[Changes in the cranial and cerebrovascular circulation during migraine attacks] Spierings EL. **Ned Tijdschr Geneeskd** 1980 Sep 13;124(37):1542–6 (Eng. Abstr.) **(Dut)**

[Multiples geodes of the cranial vault of venous origin in adults (author's transl)] Thomas D, et al. **Ann Radiol (Paris)** 1981 Mar;24(3):226–32 **(Fre)**

CYTOLOGY

An attempt at localizing adenylate cyclase in rat calvaria. Influence of sodium fluoride and parathyroid hormone. Walzer C. **Histochemistry** 1980;68(3):281–96

[Inducibility of osteogenic precursor cells of the cranial periosteum in adult rabbits] Kantorova VI. **Ontogenez** 1981; 12(2):145–53 (Eng. Abstr.) **(Rus)**

EMBRYOLOGY

Cranial differentiation in chick embryos with experimentally induced median facio–cerebral anomalies. A preliminary note. Been W, et al. **Acta Morphol Neerl Scand** 1981 Mar; 19(1):41–53

A brief review of cartilage and controlling factors in chondrocranial morphogenesis. Bromage TG. **Acta Morphol Neerl Scand** 1980 Dec;18(4):317–22 (14 ref.)

The human chondrocranium at the end of the embryonic period, proper, with particular reference to the nervous system. Müller F, et al. **Am J Anat** 1980 Sep;159(1):33–58

Craniofacial growth of fetal Macaca nemestrina: a cephalometric roentgenographic study. Sirianni JE, et al. **Am J Phys Anthropol** 1980 Sep;53(3):407–21

Differential changes in cartilage cell proliferation and cell density in the rat craniofacial complex during secondary palate development. Diewert VM. **Anat Rec** 1980 Oct; 198(2):219–28

Angular changes in cephalometric and centroid planes during foetal growth. Trenouth MJ. **Br J Orthod** 1981 Apr; 8(2):77–81

Studies on orthocephalization. 6. Flexions of the rat head in the period between 1 day before gestation and 14 days after gestation. Vilmann H, et al. **Gegenbaurs Morphol Jahrb** 1981;127(2):176–87

Bending properties and ash content of fetal cranial bone. Kriewall TJ, et al. **J Biomech** 1981;14(2):73–9

Characterization of osteoblast–like cells from fetal rat calvaria. Kadis B, et al. **J Dent Res** 1980 Nov; 59(11):2006–13

Remodeling patterns in the facial and cranial skeleton of the human cleft palate fetus. Tommasone DW, et al. **Proc Finn Dent Soc** 1981;77(1–3):171–8

The 'arrow' pattern. A new 'anatomical' fetal biparietal diameter. Young GB. **Radiology** 1980 Nov;137(2):445–9

[Effect of maternal vitamin A deficiency on cranio–dental structures in the rat] Franquin JC, et al. **J Biol Buccale** 1981 Jun;9(2):163–81 (Eng. Abstr.) **(Fre)**

[Cephalic neural crests and disorders of craniofacial morphogenesis. Neurocristopathies (author's transl)] Couly G, et al. **Rev Stomatol Chir Maxillofac** 1980;81(6):332–48 (Eng. Abstr.) **(Fre)**

GROWTH & DEVELOPMENT

Studies on orthocephalization. VII. Behavior of the rat cranial frame in the period between 1 day before birth to 14 days after birth. Vilmann H, et al. **Acta Anat (Basel)** 1981 Feb;109(2):157–60

Growth of the skull in the mutant dwarf mouse. Williams JP, et al. **Acta Anat (Basel)** 1979;105(4):461–8

Estimates of genetic variance for anterior fontanelle development in the NCPP twin population. Melnick M, et al. **Acta Genet Med Gemellol (Roma)** 1980;29(2):151–5

Confidence bands for the growth of head circumference in achondroplastic children during the first year of life. Dawson DV, et al. **Am J Med Genet** 1980;7(4):529–36

Issues related to the prediction of craniofacial growth. Todd JT, et al. **Am J Orthod** 1981 Jan;79(1):63–80

The effects of race, sex, and nutrition on craniofacial differeniation in rats. A multivariate analysis. Pucciarelli HM. **Am J Phys Anthropol** 1980 Sep;53(3):359–68

Roentgen cephalometric studies on skull development in rats. III. Gigantism versus acromegaly: age differences in response to prolonged growth hormone administration. Savostin–Asling I, et al. **Anat Rec** 1980 Jan;196(1):9–21

Ossification of the skull of the growing hamster. Autoradiographic observations. Hildmann H, et al. **Arch Otorhinolaryngol** 1980;228(4):265–70

Reduction of head flattening in preterm infants. Marsden DJ. **Dev Med Child Neurol** 1980 Aug;22(4):507–9

Relationship between the development and growth of cranial bones and masticatory muscles in postnatal mice. Nakata S. **J Dent Res** 1981 Aug;60(8):1440–50

Suture pathology in craniosynostosis. Albright AL, et al. **J Neurosurg** 1981 Mar;54(3):384–7

The effects of mechanical immobilization on sutural development in the growing rabbit. Foley WJ, et al. **J Neurosurg** 1980 Dec;53(6):794–801

Alizarin trajectories in bone growth studies. Isotupa K. **Proc Finn Dent Soc** 1981;77(1–3):63–71

Migration of craniofacial periosteum in rabbits. Koskinen–Moffett L, et al. **Proc Finn Dent Soc** 1981; 77(1–3):83–8

[For a correct interpretation of the cranial perimeter (letter)] Pilliot M. **Arch Fr Pediatr** 1980 Oct;37(8):553 **(Fre)**

[An allometric study of the relative growth of the head and the body of the fetus and of the new born (author's transl)] Mainelle N, et al. **J Gynecol Obstet Biol Reprod (Paris)** 1979;8(8):703–9 (Eng. Abstr.) **(Fre)**

[Vivisection studies on the effects of unilateral tooth extraction on growth of the skull and masticatory musculature. I. Overall skull, orbita, zygomatic arch, rear skull (author's transl)] Otto B, et al. **Anat Anz** 1980; 147(3):260–9 (Eng. Abstr.) **(Ger)**

[The application of quantitative methods in experimental morphology] Fanghänel J, et al. **Gegenbaurs Morphol Jahrb** 1979;125(5):669–77 (Eng. Abstr.) **(Ger)**

[Premature closure of the anterior fontanelle––an early sign of craniosynostosis?] Hörmann D, et al. **Kinderaerztl Prax** 1980 Nov;48(11):600–6 (Eng. Abstr.) **(Ger)**

INJURIES

Pseudohallucinations: radio reception through shrapnel fragments [letter] Boza RA, et al. **Am J Psychiatry** 1981 Sep;138(9):1263–4

One–stage reconstruction of massive craniofacial defect with gastroomental free flap. Arnold PG, et al. **Ann Plast Surg** 1981 Jan;6(1):26–33

Bone scintigraphy: derby hat deformity. Sty JR, et al. **Clin Nucl Med** 1980 Dec;5(12):554–5

The role and limitation of CT in craniocerebral trauma. Rao KC. **CT** 1980 Dec;4(4):253–60

Central dislocation of the jaw–joint into the middle cranial fossa. Case report. Pieritz U, et al. **J Maxillofac Surg** 1981 Feb;9(1):61–3

Evolution of craniotomy as a debridement technique for penetrating craniocerebral injuries. Rish BL, et al. **J Neurosurg** 1980 Dec;53(6):772–5

Unusual craniocerebral injuries from nailing. Ohaegbulam SC, et al. **Surg Neurol** 1980 Nov;14(5):393–5

[Difficulties of timing in the treatment of craniofacial injuries] Derome PJ, et al. **Ann Chir Plast** 1980;25(4):323–7 (Eng. Abstr.) **(Fre)**

[Identification of fracture patterns in skull injuries] Bonte W. **Arch Kriminol** 1980 Sep–Oct;166(3–4):83–8 **(Ger)**

[A combined suicide––skull injury and strangulation] Kleiber M. **Arch Kriminol** 1980 Nov–Dec;166(5–6):145–9 **(Ger)**

[Intrauterine skull and brain injuries with fetal death caused by a traffic accident] Odermatt H, et al. **Gynaekol Rundsch** 1980 Jun;20 Suppl 1:101–2 **(Ger)**

[Experimental skull and cerebral trauma and the early changes in the microangiogram in rabbits (author's transl)] Brecht G. **ROEFO** 1980 Apr;132(4):368–77 (Eng. Abstr.) **(Ger)**

[Plastic surgery covering of skull defects] Mohsenipour I, et al. **ZFA (Stuttgart)** 1980 Sep 10;56(25):1575–7 **(Ger)**

[Clinical aspects of the prognosis of skull and brain injuries. A study of 108 cases] Gambacorta D, et al. **Minerva Anestesiol** 1980 Jun;46(6):703–8 (Eng. Abstr.) **(Ita)**

[Pulmonary complications of closed cranio–cerebral injuries] Lantsman IuV, et al. **Klin Med (Mosk)** 1980 Oct; 58(10):66–70 (Eng. Abstr.) **(Rus)**

[Possibility of differentiating intravital injuries to the skull bones caused by blunt objects from posthumous fissures and decay under the action on high temperature] Begoian AG, et al. **Sud Med Ekspert** 1980 Oct–Dec;23(4):54–5 **(Rus)**

[New data on the biomechanics and nature of skull injuries] Kriukov VN, et al. **Sud Med Ekspert** 1980 Oct–Dec; 23(4):16–9 **(Rus)**

[Organization of the treatment of children with cranio–cerebral injuries] Kirdan KP, et al. **Zh Nevropatol Psikhiatr** 1981;(5):669–72 (Eng. Abstr.) **(Rus)**

[Role of echoencephalography in diagnosing compensation and decompensation of the late sequelae of closed cranio–cerebral injuries] Macheret EL, et al. **Zh Nevropatol Psikhiatr** 1981;(5):676–8 (Eng. Abstr.) **(Rus)**

[Bioelectrical activity of the brain, cerebral circulation, and heart rate regulation in the early period of isolated cranio–cerebral injuries] Vogulkin SE, et al. **Zh Nevropatol Psikhiatr** 1981;(5):672–6 (Eng. Abstr.) **(Rus)**

[Rapid diagnosis of brain compression in patients with cranio–cerebral injuries] Zotov IuV, et al. **Zh Nevropatol Psikhiatr** 1981;(5):651–6 (Eng. Abstr.) **(Rus)**

[Use of x–ray contrast technics for studies of cranio–cerebral injuries in a central regional hospital] Kropchin NM, et al. **Zh Vopr Neirokhir** 1981 Jan–Feb;(1):51–2 **(Rus)**

METABOLISM

Chemical and immunological characterization of proteoglycans of embryonic chick calvaria. Sugahara K, et al. **Dev Biol** 1981 Jul 15;85(1):180–9

A comparison of skull and femur lead levels in adult rats. Denton JE, et al. **Environ Res** 1980 Dec;23(2):264–9

PATHOLOGY

Abnormalities of the cranial base in cleidocranial dysostosis. Kreiborg S, et al. **Am J Orthod** 1981 May;79(5):549–57

Positive pressure ventilation and cranial volume in newborn infants. Milligan DW. **Arch Dis Child** 1981 May;56(5):331–5

Combined calvarial and CNS sarcoidosis: report ot two cases. Rohatgi PK, et al. **Arch Neurol** 1981 Apr;38(4):261–2

Ossification defects and craniofacial morphology in incomplete forms of mandibulofacial dysostosis. A description of two dry skulls. Dahl E, et al. **Cleft Palate J** 1981 Apr;18(2):83–9

The case of the missing vault: a 'cold' bone lesion following electrical burn. Cameron GG, et al. **Clin Nucl Med** 1981 Jan;6(1):30–3

Tuberculosis of the skull. Mohanty S, et al. **Int Surg** 1981 Jan–Mar;66(1):81–3

A clinical study of E.N.T. diseases in the skull. Apte NK. **J Laryngol Otol** 1980 Nov;94(11):1277–82

Suture pathology in craniosynostosis. Albright AL, et al. **J Neurosurg** 1981 Mar;54(3):384–7

Hyperostosing meningiomas of the cranial vault. Observations on 10 cases. De Santis A, et al. **J Neurosurg Sci** 1980 Jul–Dec;24(3–4):151–4

Craniometric measurements of craniofacial malformations in mice with X–linked, dominant hypophosphatemia (vitamin D–resistant rickets). Iorio RJ, et al. **Teratology** 1980 Dec; 22(3):291–8

The cranial base in anencephaly and microcephaly studied histologically. Melsen B, et al. **Teratology** 1980 Dec; 22(3):271–7

[Investigation of the bones of the base of the skull i nasopharyngeal carcinoma: Part I. Analysis of 500 cases in nasopharyngeal carcinoma with bone erosion of the base of the skull (author's transl)] **Chung Hua Chung Liu Tsa Chih** 1979;1(2):125–8 (Eng. Abstr.) **(Chi)**

[Cranial tomodensitometry in Leigh's disease. 1 case (letter)] Ollivier A, et al. **Nouv Presse Med** 1980 Sep 20;9(33):2355 **(Fre)**

[Acute pathology of the posterior fossa in children] Kaech D, et al. **Rev Med Suisse Romande** 1981 Mar;101(3):193–8 **(Fre)**

[Cranial hemihypertrophy in Klippel–Trenaunay syndrome (author's transl)] Sakai H, et al. **No To Shinkei** 1981 May; 33(5):493–8 (Eng. Abstr.) **(Jpn)**

PHYSIOLOGY

Fate of mineralized and demineralized osseous implants in cranial defects. Glowacki J, et al. **Calcif Tissue Int** 1981; 33(1):71–6

[Various trials of experimental change in cranial morphogenesis in rats. Vestibular studies] Terk B, et al. **Orthod Fr** 1979;50:661–70 (Eng. Abstr.) **(Fre)**

[Experimental studies on the development of human skull fractures] Ivánkievicz D, et al.
Acta Chir Acad Sci Hung 1979;20(4):329–34 (Eng. Abstr.) **(Ger)**

[Self–frequencies and oscillation modes of the human skull (author's transl)] Hoyer HE, et al. **Unfallheilkunde** 1980 Oct;83(10):512–5 (Eng. Abstr.) **(Ger)**

[Biomechanical model simulating the evolutionary morphology of the human cranium. Preliminary note] Pesce VD, et al. **Boll Soc Ital Biol Sper** 1980 Oct 30; 56(20):2116–22 (Eng. Abstr.) **(Ita)**

[Application of holographic interferometry to the study of hearing: analysis of the human skull bone vibration (author's transl)] Miki M.
Nippon Jibiinkoka Gakkai Kaiho 1980 Jan 20;83(1):46–54 (Eng. Abstr.) **(Jpn)**

[Experimental opening of the interosteal sutures at the border of the visceral and cerebral divisions of the skull] Vares Ela, et al. **Stomatologiia (Mosk)** 1981 May–Apr;60(2):50–2 (Eng. Abstr.) **(Rus)**

RADIATION EFFECTS

[Stopping powers of materials for heterogeneous skull phantoms] Lisovets SP, et al. **Med Radiol (Mosk)** 1980 Sep; 25(9):71–2 **(Rus)**

RADIOGRAPHY

Computerized tomography (CT–scan) of a 2,500–year–old Danish 'Queen'. Halaburt H, et al.
Acta Neurochir (Wien) 1981;56(3–4):153–5

Reproducible positioning of the skull at tomography. Eckerdal O, et al. **Acta Radiol [Diagn] (Stockh)** 1980; 21(4):557–9

Skull radiography after trauma [letter] **AJR** 1981 Mar; 136(3):632–4

Hydatid disease in children and adolescents. Bloomfield JA. **Australas Radiol** 1980 Nov;24(3):277–83

Cranial C.T. in retrospect. Hallinan JM. **Australas Radiol** 1979 Mar;23(1):20–3

Clinical relevance of radiological abnormalities of the craniovertebral junction. Burrows EH. **Br J Radiol** 1981 Mar;54(639):195–202

Routine skull roentgenography in the clinical evaluation of children with febrile convulsions. Ogunmekan AO.
Br J Radiol 1980 Aug;53(632):815

Osteopathia striata with sclerosis and thickening of the skull. Paling MR, et al. **Br J Radiol** 1981 Apr;54(640):344–8

Bromocriptine as sole treatment for acromegaly [letter] Corston RN, et al. **Br Med J** 1980 Jan 26;280(6209):254

Tuberculosis of the skull vault. Brown TS, et al.
Clin Radiol 1980 May;31(3):313–5

Mild head injuries: a source of excessive radiography? (analysis of a series and review of the literature). de Lacey G, et al. **Clin Radiol** 1980 Jul;31(4):457–62

Skull X–rays after recent head injury. Jennett B.
Clin Radiol 1980 Jul;31(4):463–9

Computed tomography in primary craniosynostosis. Adam RU, et al. **CT** 1980 Jun;4(2):125–31

Radiographic differentiation of polled and dehorned cattle. Spire MF, et al. **J Am Vet Med Assoc** 1981 Jul 1;179(1):71–3

Stereo–projection radiography in the study of the structural organisation of cat skull bones. Buckland–Wright JC.
J Anat 1980 May;130(3):487–98

Compensated X–ray attenuation in skull radiography. Cabanis EA, et al. **J Neuroradiol** 1979;6(3):255–67 **(Eng, Fre)**

Cryptococcal skull granuloma. Case report. Galloway DC, et al. **J Neurosurg** 1981 May;54(5):690–2

A study of the utilisation of skull radiography in 9 accident–and–emergency units in the U.K. A national study by the Royal College of Radiologists. **Lancet** 1980 Dec 6;2(8206):1234–6

Skull X–rays after head injury [letter] **Lancet** 1981 Feb 14; 1(8216):389

Routine skull radiography after head injury [letter] Adams CB, et al. **Lancet** 1981 Jan 17;1(8212):161

How useful is the skull x–ray examination in trauma? de Campo J, et al. **Med J Aust** 1980 Nov 15;2(10):553–5

How useful is the skull 'x ray' in trauma? [editorial] Lovell SH. **Med J Aust** 1980 Nov 15;2(10):536

Radiographic evaluation of bovine skull disorders. Nigam JM, et al. **Mod Vet Pract** 1981 Mar;62(3):239–43

Computed tomography of intrathecal thorotrast. Sinnott RG, et al. **Neuroradiology** 1981 Jan;20(5):257–9

Computed tomography studies on patients with mucopolysaccharidoses. Watts RW, et al.
Neuroradiology 1981 Feb;21(1):9–23

Skull x–ray criteria endorsed by the Food and Drug Administration: some flaws and proposed modifications. Freed HA. **Neurosurgery** 1980 Dec;7(6):636–8

Sector computerized tomography of temporal bone and base of skull. Kinney SE, et al. **Otolaryngol Head Neck Surg** 1981 May–Jun;89(3 Pt 1):453–6

Cranio–metaphyseal dysplasia. A case report. Mersten A, et al. **Radiol Diagn (Berl)** 1980 Feb;21(1):70–4

Cranial settling in rheumatoid arthritis. El–Khoury GY, et al. **Radiology** 1980 Dec;137(3):637–42

Clinicopathological Conference. Newborn with enlarged head and abnormal computer tomographic scan of cranium. Hansen CK, et al. **SD J Med** 1981 Apr;34(4):19–20, 23–6

[Investigation of the bone of the base of the skull in nasopharyngeal carcinoma: Part II. Analysis of 1,463 X–ray films of the bone of the base of the skull in nasopharyngeal carcinoma (author's transl)]
Chung Hua Chung Liu Tsa Chih 1979;1(2):129–32 (Eng. Abstr.) **(Chi)**

[Acoustic neuroma: observation of plain films of the skull (author's transl)] Peng RL.
Chung Hua Fang She Hsueh Tsa Chih 1980 May;14(2):106–8 **(Chi)**

[Cranio–encephalic scanography of the premature infant. Morphogenetic aspects. Radio–anatomical comparisons] Roland J, et al. **Bull Assoc Anat (Nancy)** 1980 Jun; 64(185):281–99 (Eng. Abstr.) **(Fre)**

[Cranial osteitis: a report on four cases, including a Gradenigo–Lannois syndrome (author's transl)] Bléry M, et al. **J Radiol** 1980 Nov;61(11):677–81 (Eng. Abstr.) **(Fre)**

[Differential diagnosis of the avascular intracranial extracerebral space] Köhler K, et al.
Radiol Diagn (Berl) 1980;21(5):565–74 (Eng. Abstr.) **(Ger)**

[Patient radiation exposure in x–ray studies of the maxillofacial area] Penchev V, et al.
Radiol Diagn (Berl) 1980;21(3):414–7 (Eng. Abstr.) **(Ger)**

[Diagnostic advantages of the adjustable holder (gantry) in skull computerized tomography] Stoeter P, et al.
Roentgenpraxis 1980 Apr;33(4):79–87 **(Ger)**

[Is there an increase in the radiation burden of the population due to dental x–ray diagnosis to be recorded? 1. Studies on the annual number and correlation of intraoral dental film, panoramic and skull exposures] Spens E, et al.
Stomatol DDR 1980 Oct;30(10):757–72 (Eng. Abstr.) **(Ger)**

[Value of cranial computed tomography] Leppin W.
Strahlenschutz Forsch Prax 1980;20:125–41 **(Ger)**

[Computed tomography of the skull. Mode of function, indications and limits] Rooschüz H. **ZFA (Stuttgart)** 1980 Jul 10;56(19):1285–305 **(Ger)**

[Significance of CT studies of the skull and brain in neurosurgery] Deák G, et al. **Orv Hetil** 1980 Nov 30;121(48 Suppl):18–21 **(Hun)**

[Hydatid cyst of the skull (author's transl)] Elefante R, et al. **Radiol Med (Torino)** 1980 Jul–Aug;66(7–8):493–6 **(Ita)**

[Radiological considerations of cranio–facial volumetry in the newborn (author's transl)] Lischi D, et al.
Radiol Med (Torino) 1980 May;66(5):301–5 (Eng. Abstr.) **(Ita)**

RADIONUCLIDE IMAGING

The 'sickle–sign' in bone scintigraphy. Creutzig H, et al.
Eur J Nucl Med 1981 Mar;6(3):99–101

[Scintigraphic study of solitary nonneoplastic cranial lacunae in childhood] Claudiani F, et al. **Radiol Med (Torino)** 1980 Oct;66(10):767–8 **(Ita)**

[A case of eosinophilic granuloma of the calvarium and the diagnostic value of the bone scintigraphy (author's transl)] Sugiyama H, et al. **Rinsho Hoshasen** 1981 Jan;26(1):133–6 **(Jpn)**

SURGERY

Cranioplasty utilizing a preserved autogenous bone flap coated with acrylic resin. Yamada H, et al.
Acta Neurochir (Wien) 1980;52(3–4):273–80

Onlay bone grafts in head and neck reconstruction. Schuller DE. **Am J Otolaryngol** 1980 Aug;1(4):344–51

Airway obstruction following surgical manipulation of the posterior cranial fossa, an unusual complication. Gorski DW, et al. **Anesthesiology** 1981 Jan;54(1):80–1

Observations on the ultrastructure of the pericranium. Habal MB, et al. **Ann Plast Surg** 1981 Feb;6(2):103–11

Primary keratoma of the skull. Bernstein PE, et al.
Ear Nose Throat J 1980 Dec;59(12):514–7

Problems of reconstruction in neurosurgical patients. (The use of boiled bone in cranioplasty). Briani S, et al.
Ital Gen Rev Dermatol 1978 May–Aug;15(2):93–100

Reconstruction of skull defects. Nassar SI, et al.
J Med Liban 1980;31(3):287–96

Air embolism from wounds from a pin–type head–holder as a complication of posterior fossa surgery in the sitting position. Case report. Cabezudo JM, et al. **J Neurosurg** 1981 Jul;55(1):147–8

Gelfoam paste in experimental laminectomy and cranial trephination: hemostasis and bone healing. Wilkinson HA, et al. **J Neurosurg** 1981 May;54(5):664–7

Pericranial flap for the closure of defects of craniofacial resection. Johns ME, et al. **Laryngoscope** 1981 Jun; 91(6):952–9

Surgical therapy of internal carotid artery lesions of the skull base and temporal bone. Fisch UP, et al.
Otolaryngol Head Neck Surg 1980 Sep–Oct;88(5):548–54

A new method of cranioplasty. Capanna AH.
Surg Neurol 1980 Nov;14(5):385–6

Reduction cranioplasty for neglected hydrocephalus. Ventureyra EC, et al. **Surg Neurol** 1981 Mar;15(3):236–8

[Combined resection of the base of middle cranial fossa–mandible (author's transl)] He ZQ.
Chung Hua Kou Chiang Ko Tsa Chih 1981 Mar;16(1):28–31 **(Chi)**

[Preliminary report of combined cranio–maxillo–facial resection for advanced malignant tumor (author's transl)] Qui WL. **Chung Hua Kou Chiang Ko Tsa Chih** 1979; 14(4):197–201 **(Chi)**

[Prevention of problems and failures in cranioplasty performed with the synthetic resin polymethylmethacrylate] Groenenberg WH.
Acta Stomatol Belg 1980;77(3):205–9 **(Dut)**

[Craniofacial surgery. Performance and risks] Stricker M.
Ann Chir Plast 1980;25(3):282–4 **(Fre)**

[Supratentorial hemorrhage of hypertensive origin during operation: an unusual complication of surgery on the posterior fossa in the sitting position (author's transl)] Cartier–Giroux J, et al. **Neurochirurgie** 1980;26(4):291–4 (Eng. Abstr.) **(Fre)**

[Cranial operations in Kenya (letter)] Meschig R, et al.
Dtsch Med Wochenschr 1981 Jan 30;106(5):157 **(Ger)**

[Extracalvarial recurrence of a convexity meningioma on the resin cranioplasty plate (author's transl)] Sunami N, et al.
No Shinkei Geka 1981 Jun;9(7):835–40 (Eng. Abstr.) **(Jpn)**

[The use of polypropylene–polyester prostheses in cranioplasty] Gawlik JD, et al. **Polim Med** 1980; 10(4):215–23 (Eng. Abstr.) **(Pol)**

[New instrument for breaking off flat bones at an angle] Kondakov EN. **Zh Vopr Neirokhir** 1980 Sep–Oct;(5):59–60 **(Rus)**

[Craniofacial surgery in Göteborg] Johanson B, et al.
Lakartidningen 1981 May 27;78(22):2223–8 (Eng. Abstr.) **(Swe)**

ULTRASTRUCTURE

Morphological studies on the union of the frontal bone: blood vessels in the non–obliterated frontal suture. Muto H, et al. **Okajimas Folia Anat Jpn** 1980 Oct;57(4):201–18

SKULL FRACTURES

COMPLICATIONS

Traumatic bitemporal hemianopia and fracture of the dorsum sella. Case report. Tunçbay E, et al.
Acta Ophthalmol (Copenh) 1981 Apr;59(2):302–7

Traumatic chiasmal syndrome associated with pneumocephalus and sellar fracture. Resneck JD, et al.
Am J Ophthalmol 1981 Aug;92(2):233–7

Clinicotherapeutic aspects in the growing skull fracture. A review of the literature. Arseni C, et al. **Childs Brain** 1981; 8(3):161–72

A rare complication following frontoethmoid injury. Petrovic D, et al. **Int J Pediatr Otorhinolaryngol** 1979 Sep; 1(2):117–23

Head injury and later reading disability. Shaffer D, et al.
J Am Acad Child Psychiatry 1980 Autumn;19(4):592–610

Delayed traumatic intracerebral hematoma after compound depressed skull fracture: case report. Koulouris S, et al.
Neurosurgery 1981 Feb;8(2):223–5

Delayed complications of craniocerebral trauma: case report. Shallat RF, et al. **Neurosurgery** 1981 May;8(5):569–73

Unilateral Purtscher's retinopathy. Burton TC.
Ophthalmology (Rochester) 1980 Nov;87(11):1096–1105

Traumatic porencephalic cysts of the ear canal: diagnosis and therapy. Konrad HR, et al.
Otolaryngol Head Neck Surg 1981 May–Jun;89(3 Pt 1):477–81

Emergency orbital decompression: a reprieve from blindness. Krausen AS, et al. **Otolaryngol Head Neck Surg** 1981 Mar–Apr;89(2):252–6

Infection after depressed fracture in the west of Scotland. Sande GM, et al. **Scott Med J** 1980 Jul;25(3):227–9

[Evolutive fracture of skull bones (author's transl)] Piussan C, et al. **Ann Pediatr (Paris)** 1979 May;26(5):289–93 (Eng. Abstr.) **(Fre)**

[2 unusual ophthalmological complications of craniofacial injuries] Bertezene P, et al. **Bull Soc Ophtalmol Fr** 1979 Nov–Dec;79(11–12):959–61 (Eng. Abstr.) **(Fre)**

[Sequelae of craniocerebral trauma. Neuro–traumatological and medico–legal study. II.] Rusu M, et al.
Rev Med Chir Soc Med Nat Iasi 1980 Jul–Sep;84(3):477–85 (40 ref.) **(Fre)**

[Post–traumatic early and late onset epilepsy. Review of the literature] Fischer H. **Aktuel Traumatol** 1980 Jun; 10(3):179–80 (9 ref.) **(Ger)**

[Treatment of post–traumatic cerebrospinal fluid rhinorrhea with lumbar drainage (author's transl)] Schmitt HE, et al.
HNO 1980 Apr;28(4):128–31 (Eng. Abstr.) **(Ger)**

[Correlations between diabetes insipidus and cranial injury] Biggi F, et al. **Chir Ital** 1980 Oct;32(5):1082–9 **(Ita)**

[Cranio–encephalic injuries inthe neonatal period and early childhood] Di Rocco C, et al. **Minerva Pediatr** 1980 Aug

15;32(15):927–34 (Eng. Abstr.) **(Ita)**

[A case of traumatic false aneurysm of meningeal branch of the vertebral artery (author's transl)] Kumagai Y, et al. **No Shinkei Geka** 1981;9(3):325–9 (Eng. Abstr.) **(Jpn)**

[Traumatic acute intracerebellar hematoma—case of complete recovery (author's transl)] Sakuta Y, et al. **No Shinkei Geka** 1980 Nov;8(11):1087–92 (Eng. Abstr.) **(Jpn)**

[Treatment of Brown's syndrome of traumatic etiology] Przewoska-Błaszczykowa R, et al. **Klin Oczna** 1981; 83(3):191–2 (Eng. Abstr.) **(Pol)**

[Electronystagmographic investigations in unilateral pyramid fractures with facial nerve palsy (author's transl)] Iwankiewicz S, et al. **Otolaryngol Pol** 1980;34(2–3):225–30 (Eng. Abstr.) **(Pol)**

[Post-traumatic sphenoidal fissure syndrome; considerations on 2 clinical cases] Petria I. **Rev Chir [Oftalmol]** 1980 Oct–Dec;24(4):305–7 (Eng. Abstr.) **(Rum)**

[Acousticovestibular sequelae of craniocerebral injuries] Cincă D, et al. **Rev Chir [Otorinolaringol]** 1980 Jul–Sep; 25(3):161–7 **(Rum)**

[Features of the clinical picture, diagnosis, and treatment of cranio-cerebral injuries with occipital bone fractures] Borodina LA, et al. **Zh Vopr Neirokhir** 1981 Jan–Feb; (1):12–6 (Eng. Abstr.) **(Rus)**

[Unilateral lesion of the optic nerve in cranio-cerebral injuries] Rumiantsev IuV, et al. **Zh Vopr Neirokhir** 1981 Jan–Feb;(1):8–12 (Eng. Abstr.) **(Rus)**

[Post-traumatic otorhinologic meningitis] Džinić M, et al. **Vojnosanit Pregl** 1980 Jul–Aug;37(4):248–51 **(Scr)**

DIAGNOSIS

Diagnosis of skull fractures by autopsy and radiology. Ehler E, et al. **Acta Morphol Acad Sci Hung** 1980;28(3):291–6

Fractures of the sella turcica. Young HA, et al. **Neurosurgery** 1980 Jul;7(1):23–9 (20 ref.)

Computerized tomography and B-scan ultrasonography in the diagnosis of fractures of the medial orbital wall. Ord RA, et al. **Plast Reconstr Surg** 1981 Mar;67(3):281–8

[Orbital fractures] Otradovec J, et al. **Cesk Oftalmol** 1980 Mar;36(2):129–38 (Eng. Abstr.) **(Cze)**

[Analysis of severe skull and brain trauma] Krauland W. **Beitr Gerichtl Med** 1980;38:75–83 (Eng. Abstr.) **(Ger)**

[Vibrations of the macerated human skull studied by time-average holography (author's transl)] Dörheide J, et al. **Unfallheilkunde** 1981 Aug;84(8):345–9 (Eng. Abstr.) **(Ger)**

[Brain contusions with fracture of the base of the skull in children] Ormantaev KS, et al. **Khirurgiia (Mosk)** 1981 Jun; (6):11–6 (Eng. Abstr.) **(Rus)**

[Clinical aspects of a combined craniocerebral injury] Bannykh IuN. **Voen Med Zh** 1981 Feb;(2):52–3 **(Rus)**

[Liquorrhea following fracture of the base of the skull] Glitterstam K, et al. **Lakartidningen** 1980 Nov 19; 77(47):4408–11 (Eng. Abstr.) **(Swe)**

DRUG THERAPY

[Prevention of wound infection in open skull and brain injuries] Umakhanov RU. **Zh Vopr Neirokhir** 1981 Jan–Feb; (1):16–9 (Eng. Abstr.) **(Rus)**

PATHOLOGY

Pathology of deafness and disequilibrium in head injury:a human temporal bone study. Benitez JT, et al. **Am J Otol** 1980 Jun;1(3):163–7

Anatomical and mechanical considerations of craniofacial fractures: an experimental study. Sturla F, et al. **Plast Reconstr Surg** 1980 Dec;66(6):815–20

[Growing skull fracture (author's transl)] Lamesch A, et al. **Chir Pediatr** 1981;22(4):225–30 (37 ref.) **(Fre)**

[Frontosphenotemporal fractures : a separate anatomical and clinical entity (author's transl)] Pellerin P, et al. **Rev Stomatol Chir Maxillofac** 1980;81(4):246–52 (Eng. Abstr.) **(Fre)**

[Recognition of injuries to the cerebral arteries in blunt skull and brain injuries] Krauland W, et al. **Beitr Gerichtl Med** 1980;38:89–96 (Eng. Abstr.) **(Ger)**

[Fracture of the bones of the cranial vault as a result of freezing of the corpse] Klevno VA. **Sud Med Ekspert** 1980 Oct–Dec;23(4):56 **(Rus)**

[Gunshot wound of the skull in a child] Urusov VA, et al. **Vestn Khir** 1980 Aug;125(8):123–4 **(Rus)**

PHYSIOPATHOLOGY

[Experimental studies on the development of human skull fractures] Ivánkievicz D, et al. **Acta Chir Acad Sci Hung** 1979;20(4):329–34 (Eng. Abstr.) **(Ger)**

[Case of severe combined craniocerebral injury] Palkin NM, et al. **Klin Khir** 1981 Jan;(1):52 **(Rus)**

[Phasic character of neuroendocrine disorders in cerebral contusions] Kharkevich NG, et al. **Zh Vopr Neirokhir** 1980 May–Jun;(3):27–32 (Eng. Abstr.) **(Rus)**

PSYCHOLOGY

Cognitive sequelae in relationship to early indices of severity of brain damage after severe blunt head injury. Brooks DN, et al. **J Neurol Neurosurg Psychiatry** 1980 Jun;43(6):529–34

RADIOGRAPHY

Skull roentgenography for patients with head trauma: the use of high-yield criteria. Cordon IW. **Can Med Assoc J** 1981 Mar 1;124(5):584–9

CT in trauma of the base of the skull and its complications. Ghoshhajra K. **CT** 1980 Dec;4(4):271–6

Growing fracture of the skull and the role of computerized tomography. Case report. Lye RH, et al. **J Neurosurg** 1981 Sep;55(3):470–2

X-rays for skull fractures [letter] **Lancet** 1981 Jan 31; 1(8214):272

Skull x-ray criteria endorsed by the Food and Drug Administration: some flaws and proposed modifications. Freed HA. **Neurosurgery** 1980 Dec;7(6):636–8

Frontobasal skull fracture patterns. Tvete S. **ROEFO** 1980 Jul;133(1):56–8

[Computerized tomography in the follow-up of skull and brain injuries] Häuptli J, et al. **Helv Chir Acta** 1980 Jun; 47(1–2):125–8 (Eng. Abstr.) **(Ger)**

[Pneumocephalus as sign of frontobasal skull fractures (author's transl)] Pothe H, et al. **Roentgenblaetter** 1981 Mar; 34(3):86–90 (Eng. Abstr.) **(Ger)**

REHABILITATION

[Certain features of the delayed sequelae of craniocerebral injuries and questions involving medico-vocational expertise] Baiakhmedov FA, et al. **Zh Nevropatol Psikhiatr** 1980;80(5):668–71 (Eng. Abstr.) **(Rus)**

SURGERY

The treatment of fractures involving the frontobasal region. Tajima S, et al. **Clin Plast Surg** 1980 Oct;7(4):525–39

Elevation of depressed fracture of the skull by vacuum extractor. Yalaburgi SB. **East Afr Med J** 1980 Oct; 57(10):699–702

A randomized comparison of four incisions for orbital fractures. Holtmann B, et al. **Plast Reconstr Surg** 1981 Jun; 67(6):731–7

[Treatment of jaw fracture complicating injuries of cranium and brain (author's transl)] Cai QH. **Chung Hua Kou Chiang Ko Tsa Chih** 1980 Sep;15(3):182–4 **(Chi)**

[Problems of technique and operative tactics in cranio-facial trauma. 229 cases (author's transl)] Marchal JC, et al. **Neurochirurgie** 1981;27(1):21–6 (Eng. Abstr.) **(Fre)**

[Naso-ethmoido-frontal depressions (author's transl)] Cornec J, et al. **Rev Otoneuroophtalmol** 1980 Jul–Sep;52(4):313–8 (Eng. Abstr.) **(Fre)**

[Results of animal experiments on the healing of bone defects in os frontale and os parietale after implantation of tricalciumphosphate sheets (author's transl)] Streckbein RG, et al. **Arch Otorhinolaryngol** 1980;228(2):85–91 (Eng. Abstr.) **(Ger)**

[Problems and prognosis in skull and brain injuries from the neurological and forensic points of view] Altenburg H, et al. **Beitr Gerichtl Med** 1980;38:97–101 (Eng. Abstr.) **(Ger)**

[Reconstruction of the frontal base with ceramic materials (author's transl)] Jahnke K. **Laryngol Rhinol Otol (Stuttg)** 1980 Feb;59(2):111–5 (Eng. Abstr.) **(Ger)**

[Accident surgery of the base of the skull and neighboring pneumatic spaces. ENT standpoint (author's transl)] Nejedlo V. **MMW** 1980 Oct 24;122(43):1499–502 (Eng. Abstr.) **(Ger)**

[Restoration in severe craniofacial injuries] Raveh J, et al. **SSO Schweiz Monatsschr Zahnheilkd** 1981 Apr; 91(4):206–17 (Eng. Abstr.) **(Ger)**

[Depressed skull fractures] Baehrecke M, et al. **Z Aerztl Fortbild (Jena)** 1980 Jun 15;74(12):585–7 **(Ger)**

[Treatment of disturbances in the functions of extraocular muscles after failures of primary management of blow-out fracture of the orbit (author's transl)] Krzystkowa K, et al. **Klin Oczna** 1981;83(2):133–5 (Eng. Abstr.) **(Pol)**

[Use of tissue adhesives in the reconstruction of the frontal sinus] Więcko J, et al. **Polim Med** 1980;10(3):165–70 (Eng. Abstr.) **(Pol)**

THERAPY

Intracranial penetration of nasogastric tube. Borovich B, et al. **Neurosurgery** 1981 Feb;8(2):245–7

[Management of anterior fossa fractures. About a series of 1 254 cases from 11 200 head injuries (author's transl)] Rousseaux P, et al. **Neurochirurgie** 1981;27(1):15–9 (Eng. Abstr.) **(Fre)**

VETERINARY

Skull fractures in infant squirrel monkeys (Saimiri sciureus). Lee KJ, et al. **Lab Anim Sci** 1980 Dec;30(6):1006–8

SKULL NEOPLASMS

Chondrosarcoma at the skull base. Gay I, et al. **Ann Otol Rhinol Laryngol** 1981 Jan–Feb;90(1 Pt 1):53–5

COMPLICATIONS

Bilateral abducens nerve palsies from clivus chordoma. Kline LB, et al. **Ann Ophthalmol** 1981 Jun;13(6):705–7

Cranial epidermoid tumor associated with subacute extradural hematoma. Case report. Abou-Samra M, et al. **J Neurosurg** 1980 Oct;53(4):574–5

Maffucci's syndrome complicated by an intracranial chondrosarcoma and a carotid body tumor. Case report. Armstrong EA, et al. **J Neurosurg** 1981 Sep;55(3):479–83

[Hypophosphoremic osteomalacia and hemangiopericytoma of the vault of the cranium] Crouzet J, et al. **Rev Rhum Mal Osteoartic** 1980 Jul–Sep;47(7–9):523–8 **(Fre)**

[Giant neurofibroma of the occipital scalp associated with lambda defect-case report (author's transl)] Nakasu S, et al. **No To Shinkei** 1981 Feb;33(2):181–5 (Eng. Abstr.) **(Jpn)**

DIAGNOSIS

Angioma of the jugular foramen. Case report. Menzel J, et al. **Acta Neurochir (Wien)** 1980;53(1–2):117–22

Sphenooccipital chordoma presenting as a nasopharyngeal mass. A case report. Eisemann ML. **Ann Otol Rhinol Laryngol** 1980 May–Jun;89(3 Pt 1):271–5

Calvarial sarcoid mimicking metastatic disease. Bodie BF, et al. **J Am Acad Dermatol** 1980 Oct;3(4):401–5

The 'elephant man' of Cambridge. a case report of neurofibromatosis. Rai GS, et al. **J Am Geriatr Soc** 1981 Mar;29(3):129–30

Neoplasms of spinal origin involving the foramen magnum. Neurodiagnostic considerations on 36 cases. Bortoluzzi M. **J Neurosurg Sci** 1980 Apr–Jun;24(2):71–6

Petrous apex tumors; diagnosis and management. Leopold DA, et al. **NY State J Med** 1980 Sep;80(10):1564–6

Intrasellar solitary plasmacytoma terminating in multiple myeloma: a report of a case including electron microscopical study. Urbanski SJ, et al. **Surg Neurol** 1980 Sep;14(3):233–6

[Clinical and diagnostic aspects of a case of temporal rhabdomyosarcoma] Cocchini F, et al. **Ann Laringol Otol Rinol Faringol** 1978 Jul–Aug; 76(4):437–45 (Eng. Abstr.) **(Ita)**

[Giant osteoma of the skull] Gawlik G, et al. **Neurol Neurochir Pol** 1980 Jul–Aug;14(4):453–5 (Eng. Abstr.) **(Pol)**

DRUG THERAPY

Pseudofontanelle in multiple myeloma [letter] Nissenblatt MJ, et al. **JAMA** 1981 Jun 12;245(22):2298

ETIOLOGY

[Intact drum cholesteatoma of the middle ear and the temporal bone] Charachon R, et al. **Rev Laryngol Otol Rhinol (Bord)** 1981 Jan–Feb; 102(1–2):47–61 (Eng. Abstr.) **(Fre)**

[Hemicranial fibrous dysplasia and well differentiated osteosarcoma (author's transl)] Bricout H, et al. **Rev Otoneuroophtalmol** 1980 Jul–Sep;52(4):331–41 (Eng. Abstr.) **(Fre)**

PATHOLOGY

Primary plasmocytomas of the cranial vault. Jakubowski J, et al. **Acta Neurochir (Wien)** 1980;55(1–2):117–34

Clivus chorodoma with pulmonary metastases appearing as failure to thrive. Brooks LJ, et al. **Am J Dis Child** 1981 Aug;135(8):713–5

Chondroid chordoma. Case report and literature review. Spoden JE, et al. **Ann Otol Rhinol Laryngol** 1980 May–Jun; 89(3 Pt 1):279–85

Benign chondroblastoma of the maxilla: a case report and review of chondroblastomas in cranial bones. Al-Dewachi HS, et al. **Br J Oral Surg** 1980 Sep;18(2):150–6

Mastoid chloroma as relapse in acute myeloid leukaemia. Chapman P, et al. **J Laryngol Otol** 1980 Dec;94(12):1423–7

True giant-cell tumour of the mastoid. A case report. Daniilidis I, et al. **J Laryngol Otol** 1981 Aug;95(8):853–8

Neurilemmoma of the pterygo-maxillary fossa. Puterman M, et al. **J Laryngol Otol** 1981 Apr;95(4):421–4

Primary osteogenic sarcoma of the sellar region. Case report. Reichenthal E, et al. **J Neurosurg** 1981 Aug;55(2):299–302

Hemangiopericytoma of the temporal bone. Tewfik TL, et al. **J Otolaryngol** 1981 Feb;10(1):72–7

Melanotic neuroectodermal tumour of infancy arising in anterior fontanelle. Bignold LP, et al. **Pathology** 1980 Jul; 12(3):473–7

Primary fibrosarcoma of the skull. Arita N, et al. **Surg Neurol** 1980 Nov;14(5):381–4

Hemangioma calcificans. Galzio RJ, et al. **Surg Neurol** 1980 Nov;14(5):331–5

[Squamous cell carcinoma of the ethmoid bone] Scheer R, et al. **MMW** 1981 May 22;123(21):892 **(Ger)**

[Malignant degeneration of cholesteatomas] Janda J, et al. **Zentralbl Neurochir** 1980;41(1):73–8 (Eng. Abstr.) **(Ger)**

[Dermoid and epidermoid skull cysts (author's transl)] Baquero Paret G, et al. **An Esp Pediatr** 1980 Oct; 13(10):877–80 (Eng. Abstr.) **(Spa)**

RADIOGRAPHY

CT of primary and secondary craniocerebral neuroblastoma. Zimmerman RA, et al. **AJR** 1980 Dec;135(6):1239–42

Osteochondroma of the clivus. Fon G, et al. **Australas Radiol** 1979 Mar;23(1):46–53

Benign chondroma of the petrous apex. Komisar A, et al. **J Comput Assist Tomogr** 1981 Feb;5(1):116–8